

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063748.D
 Acq On : 30 Sep 2020 14:44
 Operator : JC/MD
 Sample : VN0930MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:29 PM

Quant Time: Oct 01 02:31:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	250529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	411012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184223	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	209791	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.55	113	141209	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.06	98	525935	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.38	95	196822	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	48593	18.382	ug/l	97
3) Chloromethane	2.04	50	55709	17.960	ug/l	96
4) Vinyl Chloride	2.16	62	56318	18.088	ug/l	97
5) Bromomethane	2.53	94	36415	18.594	ug/l	88
6) Chloroethane	2.67	64	36094	19.400	ug/l	97
7) Trichlorofluoromethane	2.98	101	90668	18.361	ug/l	99
8) Diethyl Ether	3.37	74	33275	19.925	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47767	18.098	ug/l	98
10) Methyl Iodide	3.91	142	55445	18.092	ug/l	98
11) Tert butyl alcohol	4.73	59	49253	107.787	ug/l	99
12) 1,1-Dichloroethene	3.70	96	46344	18.370	ug/l	95
13) Acrolein	3.57	56	28687	102.289	ug/l	98
14) Allyl chloride	4.27	41	91736	19.573	ug/l	95
15) Acrylonitrile	4.93	53	131317	100.396	ug/l	99
16) Acetone	3.77	43	120850	94.852	ug/l	98
17) Carbon Disulfide	4.01	76	126598	19.007	ug/l	99
18) Methyl Acetate	4.27	43	65949	19.936	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	178623	19.489	ug/l	99
20) Methylene Chloride	4.51	84	58285	20.031	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	49844	17.639	ug/l	97
22) Diisopropyl ether	5.90	45	187611	19.456	ug/l	99
23) Vinyl Acetate	5.84	43	796179	99.675	ug/l	99
24) 1,1-Dichloroethane	5.80	63	104617	18.975	ug/l	98
25) 2-Butanone	6.78	43	184280	102.018	ug/l	99
26) 2,2-Dichloropropane	6.78	77	89930	17.811	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	61043	18.783	ug/l	97
28) Bromochloromethane	7.15	49	53235	19.535	ug/l	96
29) Tetrahydrofuran	7.16	42	122014	100.713	ug/l	99
30) Chloroform	7.33	83	109019	18.964	ug/l	98
31) Cyclohexane	7.61	56	88291	18.375	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	96964	18.700	ug/l	100
36) 1,1-Dichloropropene	7.75	75	77518	18.616	ug/l	99
37) Ethyl Acetate	6.88	43	81372	19.670	ug/l	99
38) Carbon Tetrachloride	7.73	117	84620	18.123	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74466	17.933	ug/l	94
40) Benzene	8.00	78	224777	18.900	ug/l	99
41) Methacrylonitrile	7.13	41	32253m	17.542	ug/l	
42) 1,2-Dichloroethane	8.09	62	99553	19.609	ug/l	98
43) Isopropyl Acetate	8.13	43	142095	20.824	ug/l	99
44) Trichloroethene	8.80	130	58632	18.815	ug/l	98
45) 1,2-Dichloropropane	9.08	63	61510	19.150	ug/l	99
46) Dibromomethane	9.17	93	43764	19.751	ug/l	96
47) Bromodichloromethane	9.37	83	87116	19.077	ug/l	99
48) Methyl methacrylate	9.16	41	65591	19.455	ug/l	99
49) 1,4-Dioxane	9.17	88	20446	426.721	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	408248	101.948	ug/l	99
52) Toluene	10.13	92	142552	19.378	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	92211	18.837	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	98924	19.323	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	58337	19.774	ug/l	95
56) Ethyl methacrylate	10.40	69	83142	19.882	ug/l	99
57) 1,3-Dichloropropane	10.68	76	99871	20.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	234703	104.925	ug/l	100
59) 2-Hexanone	10.72	43	298599	100.377	ug/l	99
60) Dibromochloromethane	10.87	129	64589	18.799	ug/l	95
61) 1,2-Dibromoethane	10.98	107	59854	19.834	ug/l	99
64) Tetrachloroethene	10.60	164	55062	18.371	ug/l	95
65) Chlorobenzene	11.41	112	152248	19.158	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	56981	18.703	ug/l	98
67) Ethyl Benzene	11.48	91	273102	18.886	ug/l	99
68) m/p-Xylenes	11.59	106	203346	37.731	ug/l	100
69) o-Xylene	11.92	106	94976	18.855	ug/l	97
70) Styrene	11.94	104	159340	18.635	ug/l	99
71) Bromoform	12.10	173	42206	18.114	ug/l #	99
73) Isopropylbenzene	12.23	105	259949	19.346	ug/l	99
74) N-amyl acetate	12.05	43	113118	19.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	81806	19.909	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	78963m	19.444	ug/l	
77) Bromobenzene	12.50	156	64450	19.547	ug/l	99
78) n-propylbenzene	12.57	91	300765	19.233	ug/l	99
79) 2-Chlorotoluene	12.65	91	184487	19.182	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	219381	19.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26127	18.530	ug/l	93
82) 4-Chlorotoluene	12.75	91	193584	19.389	ug/l	99
83) tert-Butylbenzene	12.97	119	174448	18.918	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	222339	19.755	ug/l	100
85) sec-Butylbenzene	13.15	105	234744	19.382	ug/l	99
86) p-Isopropyltoluene	13.26	119	208980	19.505	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	112845	18.918	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	114881	18.497	ug/l	99
89) n-Butylbenzene	13.59	91	187803	18.991	ug/l	99
90) Hexachloroethane	13.85	117	37640	18.129	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	113834	19.267	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18650	19.354	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	56930	18.842	ug/l	99
94) Hexachlorobutadiene	14.98	225	30414	19.028	ug/l	97
95) Naphthalene	15.11	128	180052	19.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	56512	19.136	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

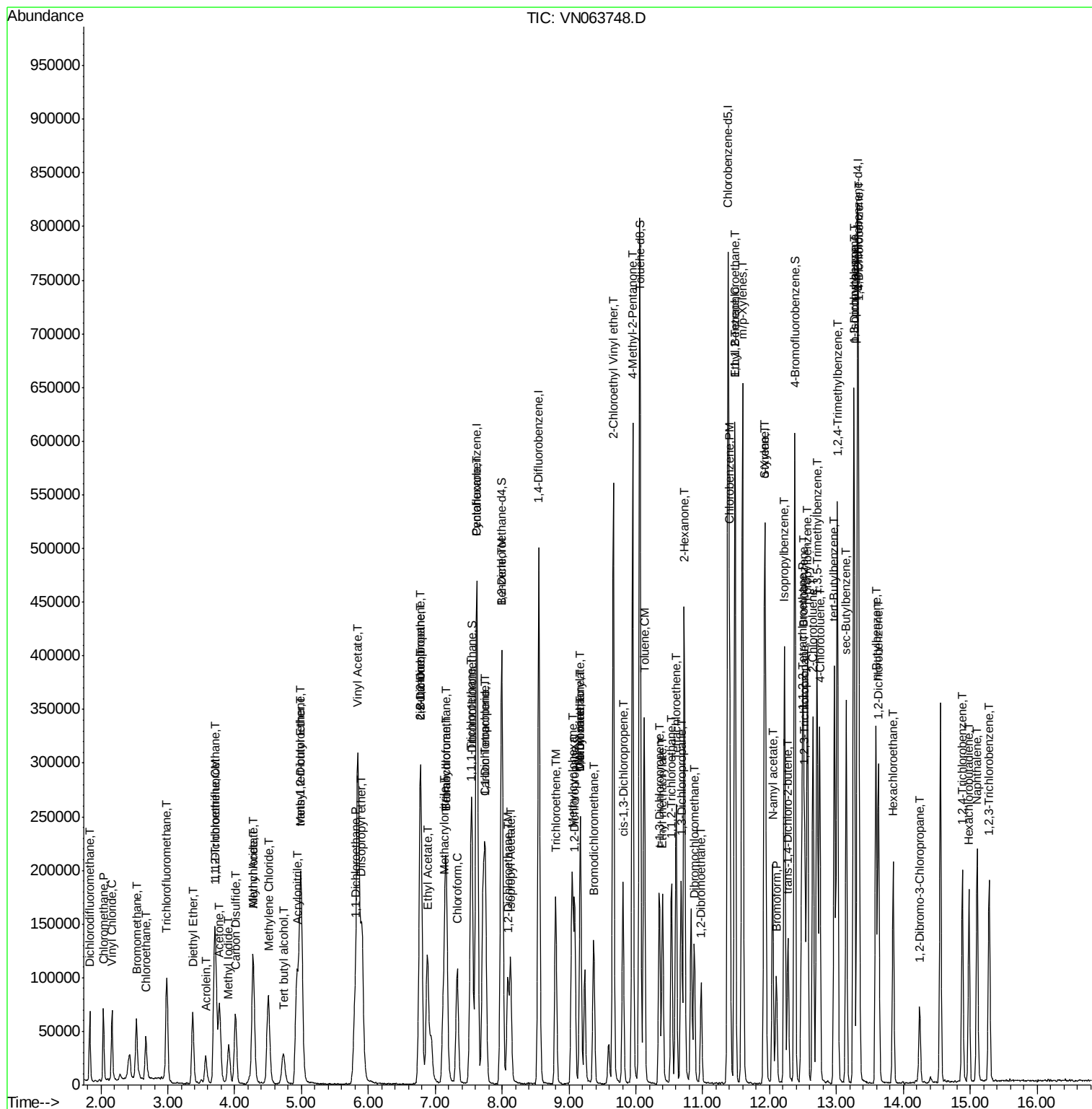
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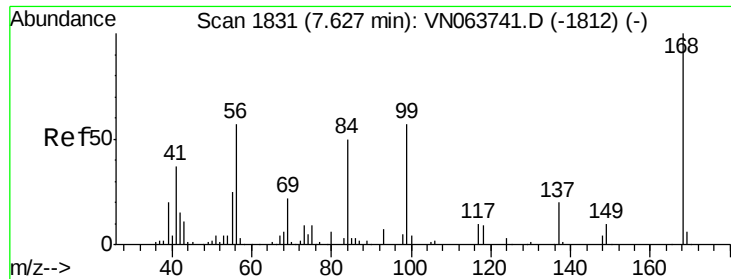
Instrument :
MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion:168 Resp: 250529

Ion Ratio Lower Upper

168 100

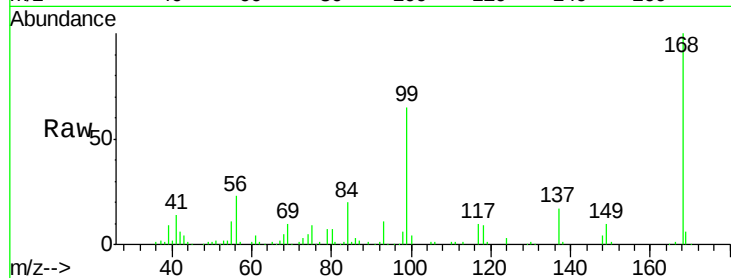
99 64.3 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

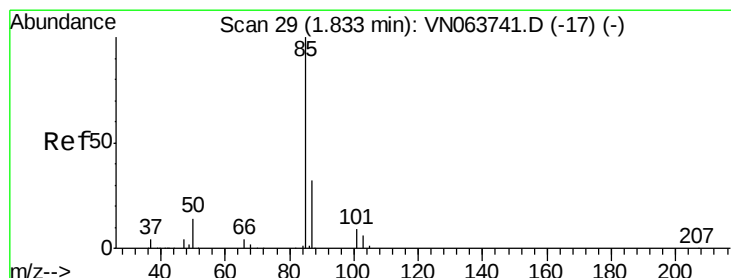
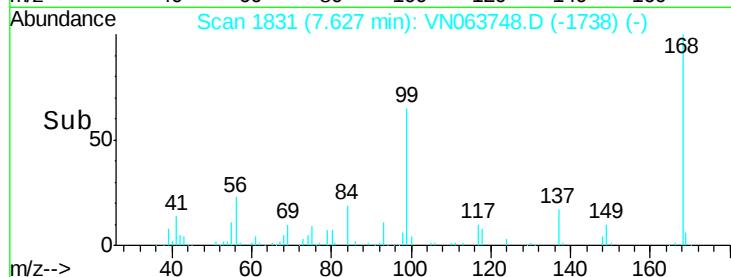
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 18.382 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063748.D

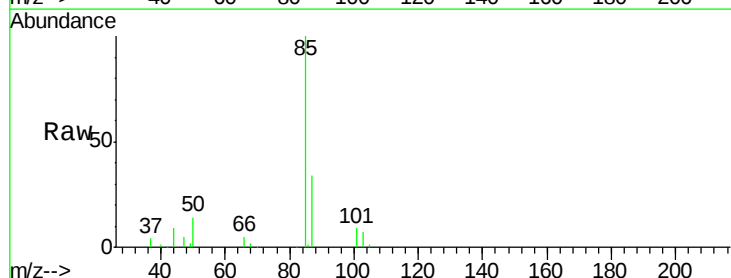
Acq: 30 Sep 2020 14:44

Tgt Ion: 85 Resp: 48593

Ion Ratio Lower Upper

85 100

87 34.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

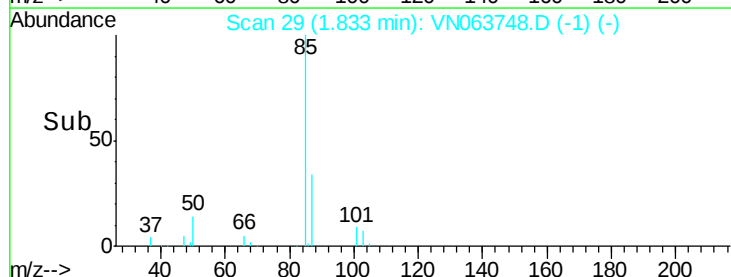
30000

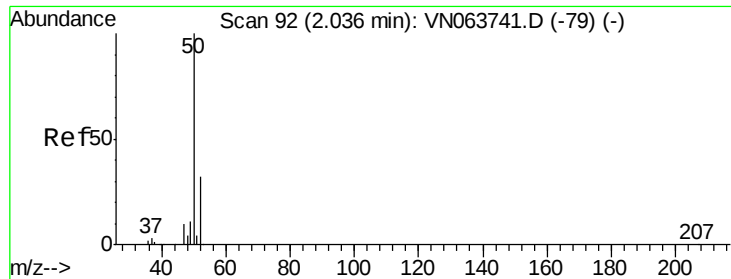
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.960 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion: 50 Resp: 55709

Ion Ratio Lower Upper

50 100

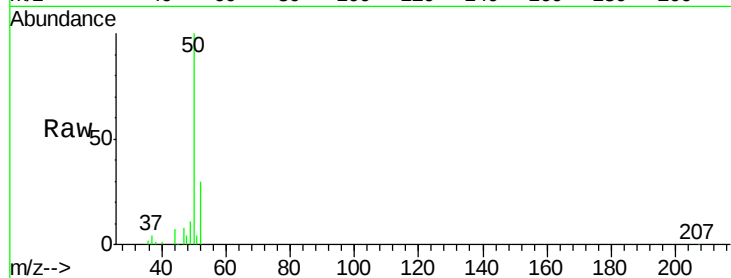
52 30.3 25.8 38.8

Manual Integrations

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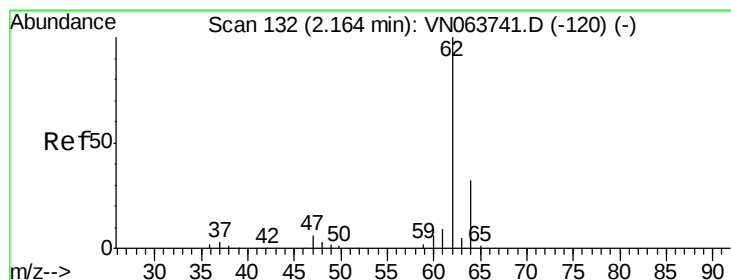
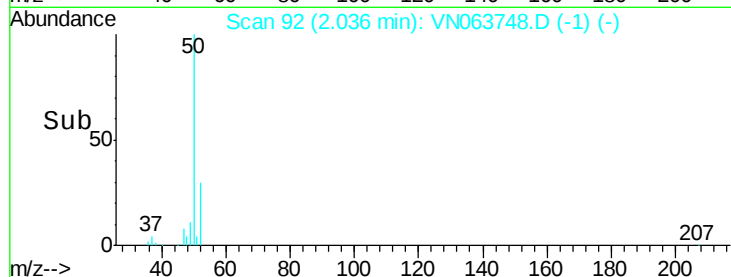
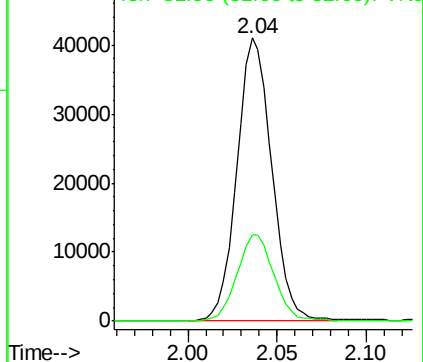
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.088 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063748.D

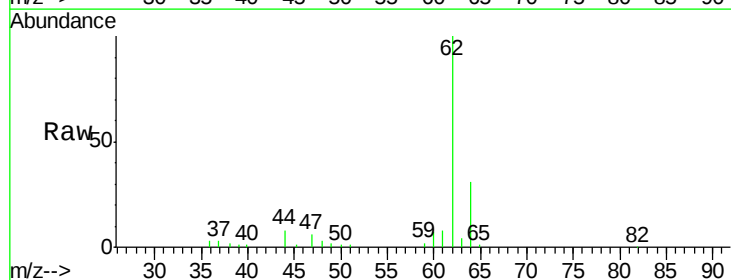
Acq: 30 Sep 2020 14:44

Tgt Ion: 62 Resp: 56318

Ion Ratio Lower Upper

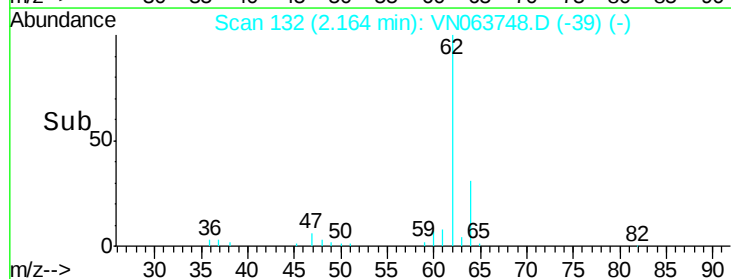
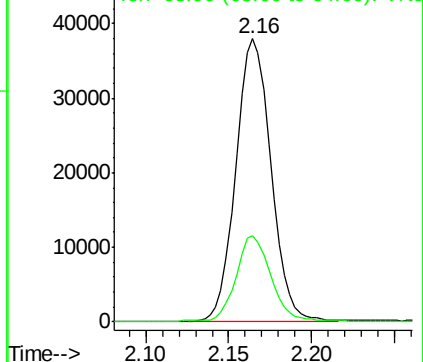
62 100

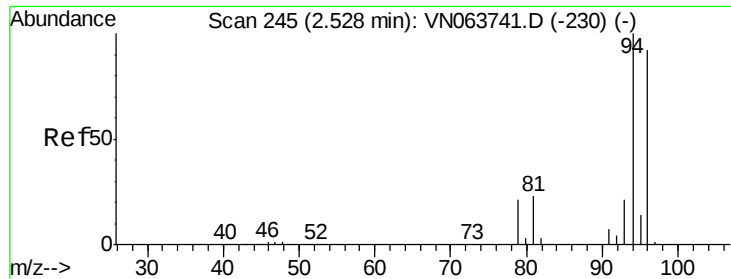
64 30.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.594 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

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ClientSampleId :

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Tot Ion: 94 Resp: 36415

Ion Ratio Lower Upper

94 100

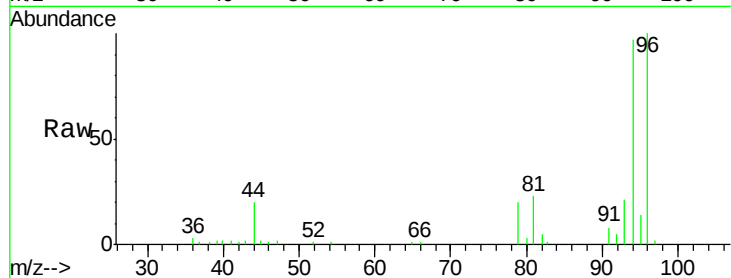
96 103.0 73.3 109.9

Manual Integrations

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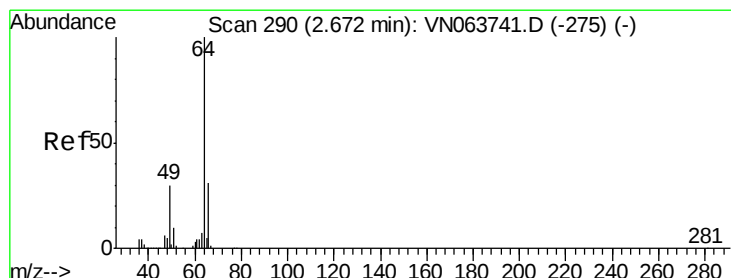
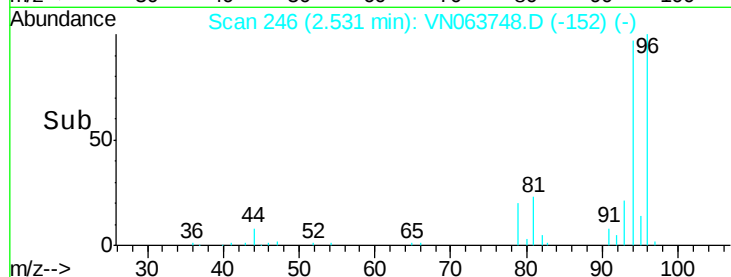
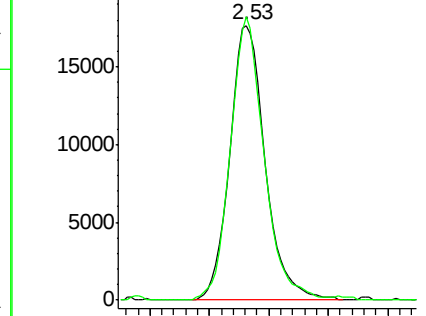
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.400 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063748.D

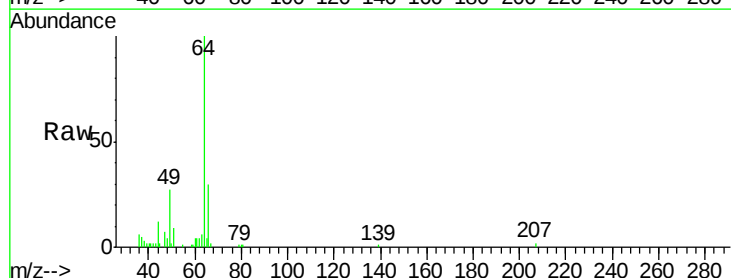
Acq: 30 Sep 2020 14:44

Tgt Ion: 64 Resp: 36094

Ion Ratio Lower Upper

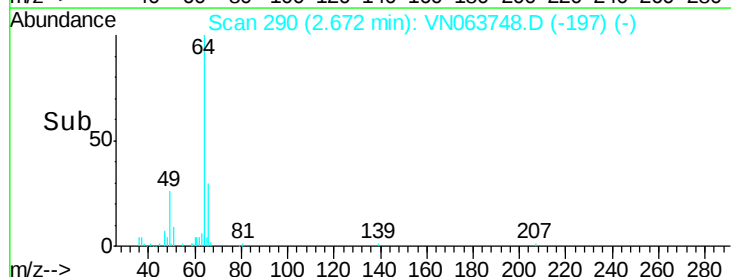
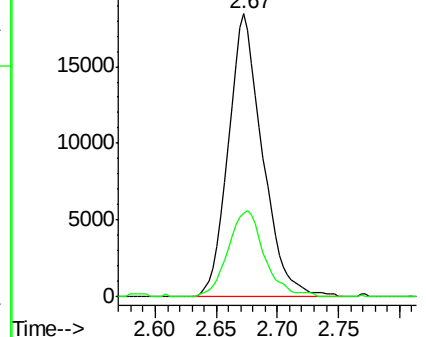
64 100

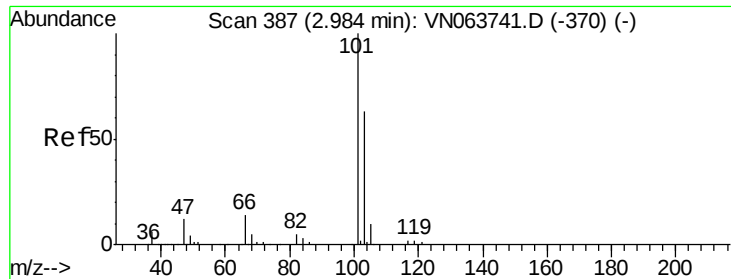
66 29.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

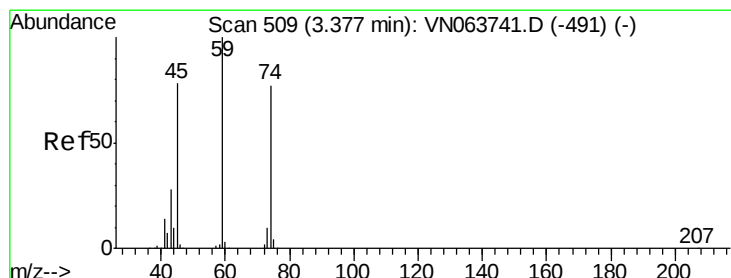
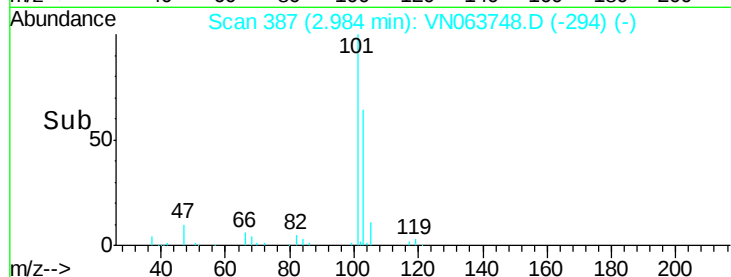
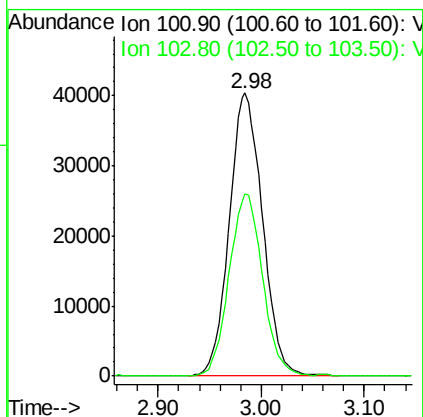
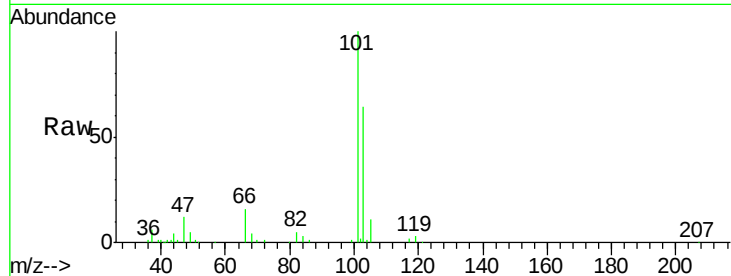
Trichlorofluoromethane
Concen: 18.361 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063748.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.7	76.1

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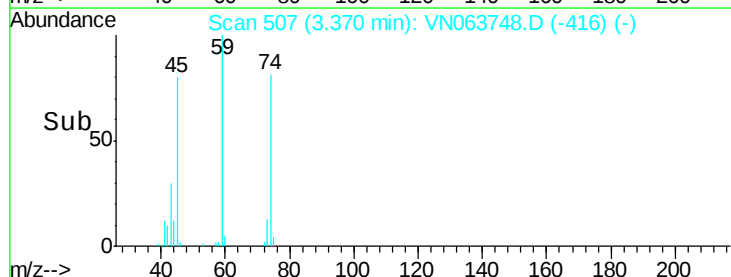
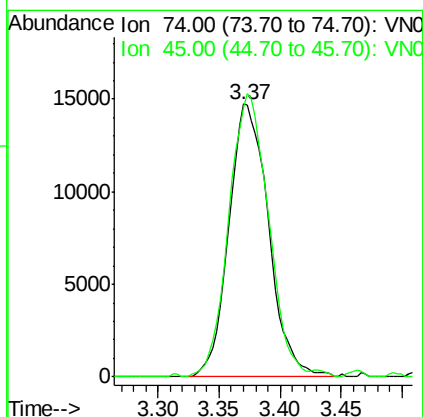
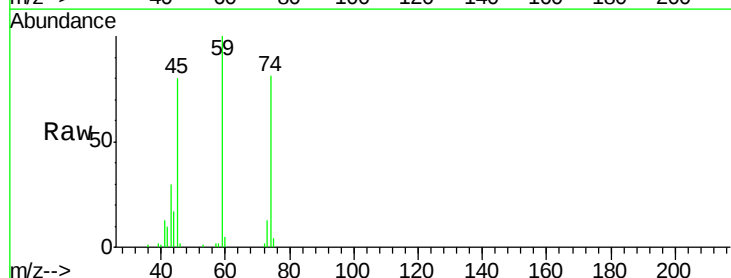
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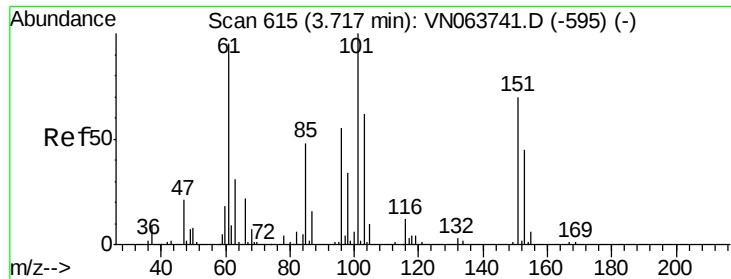


#8

Diethyl Ether
Concen: 19.925 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.01 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.098 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

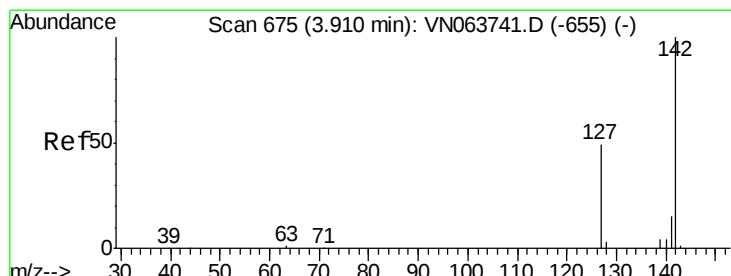
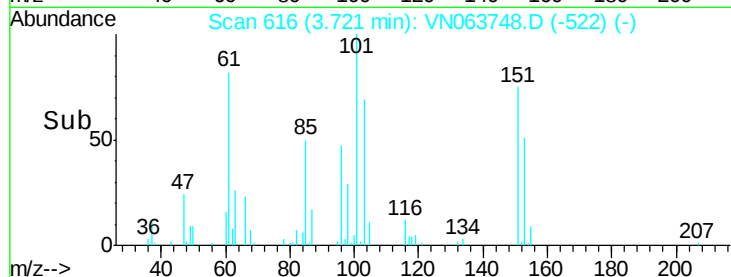
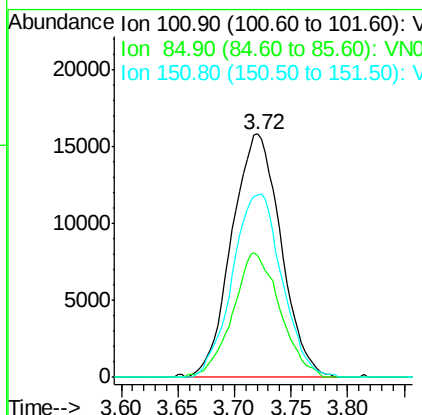
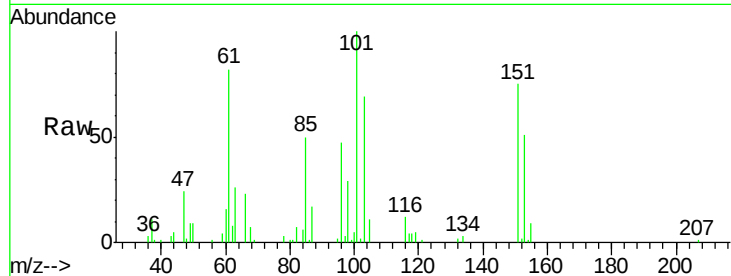
ClientSampleId :

VN0930MBS01

Tot Ion:	101	Resp:	47767
Ion Ratio	Lower	Upper	
101	100		
85	49.2	38.6	58.0
151	75.9	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.092 ug/l

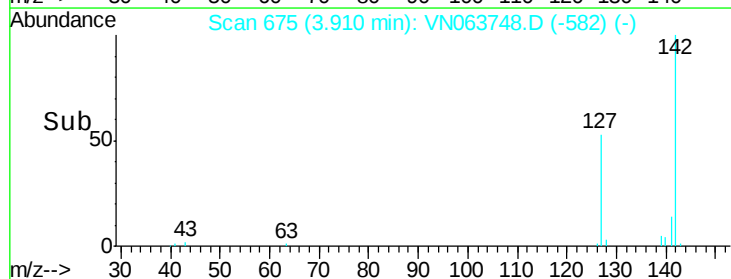
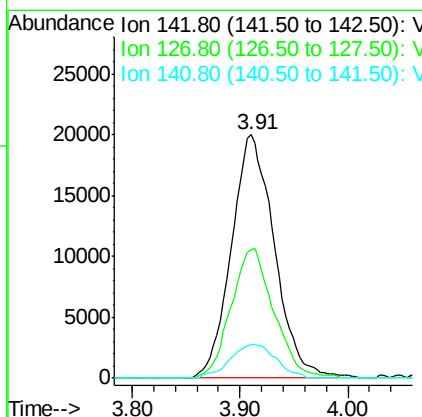
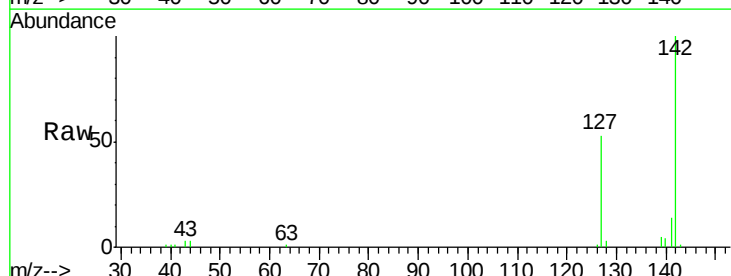
RT: 3.91 min Scan# 675

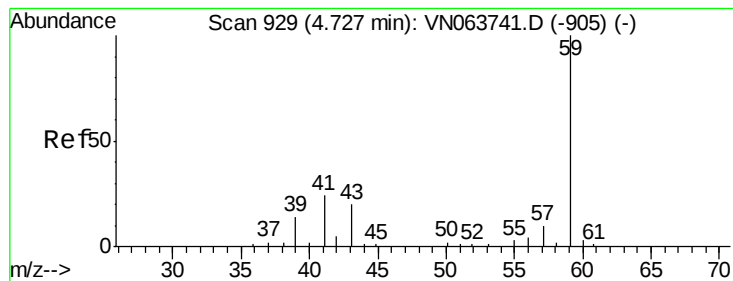
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	142	Resp:	55445
Ion Ratio	Lower	Upper	
142	100		
127	52.7	40.5	60.7
141	14.6	11.7	17.5





#11

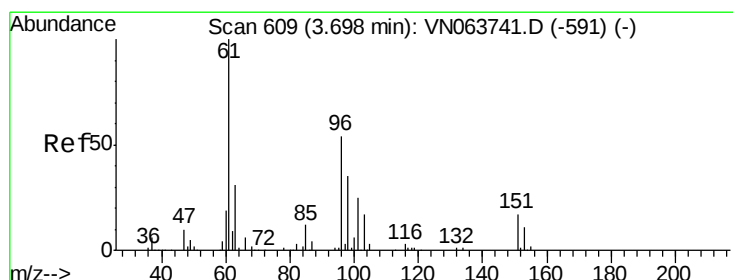
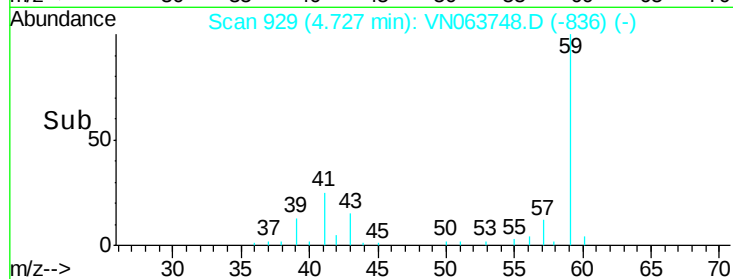
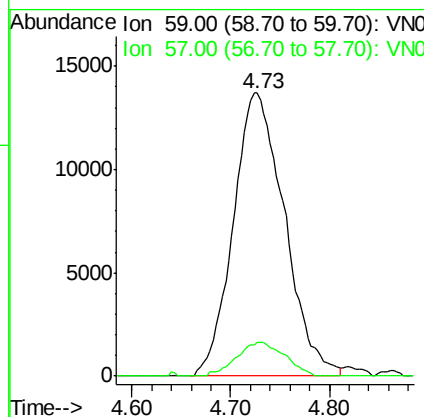
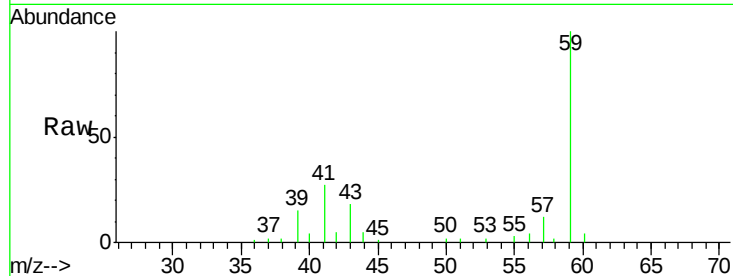
Tert butyl alcohol
Concen: 107.787 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.3	8.7	13.1

Manual Integrations
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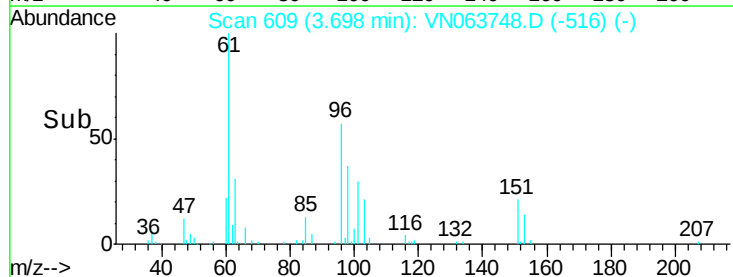
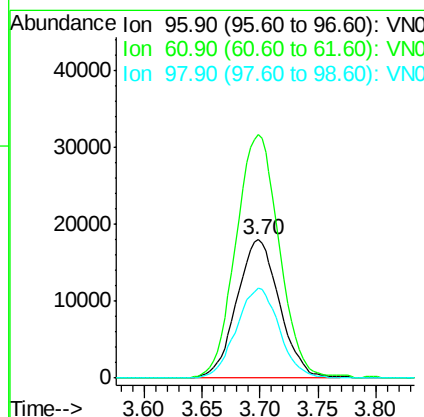
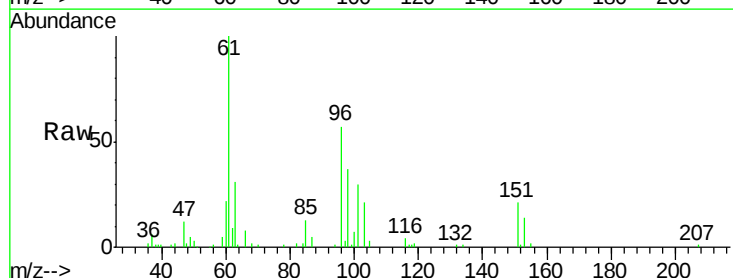
MMDadoda
10/1/2020 2:40:29 PM

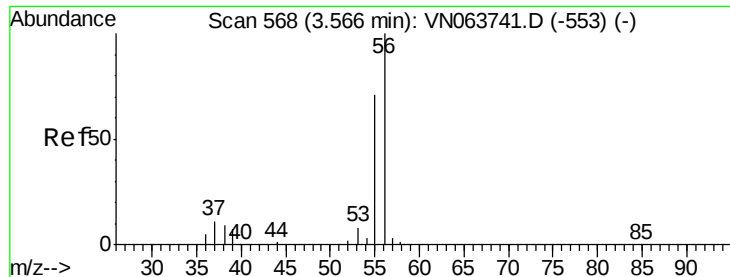


#12

1,1-Dichloroethene
Concen: 18.370 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	175.9	147.7	221.5
98	98	65.1	51.9	77.9





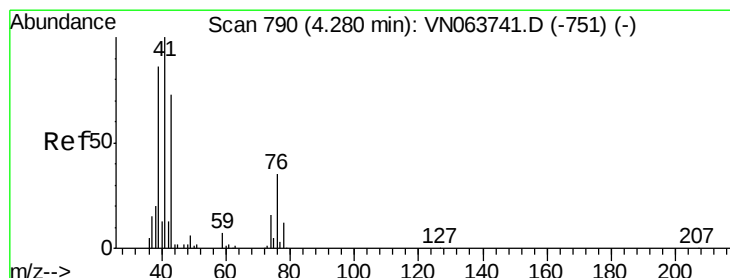
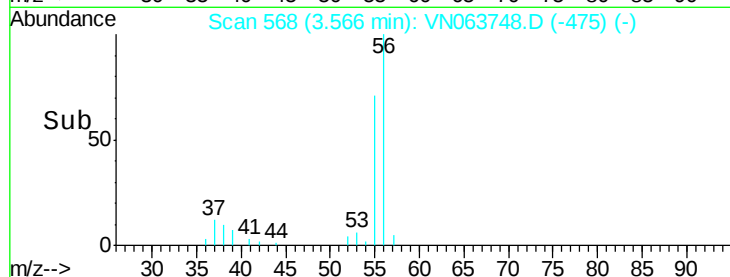
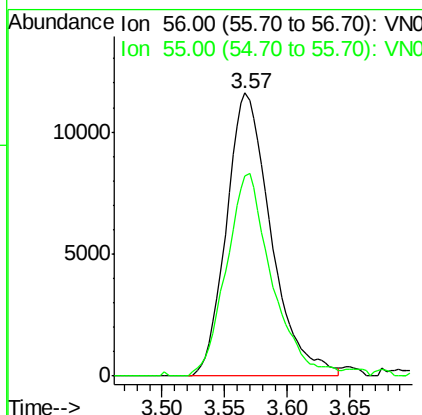
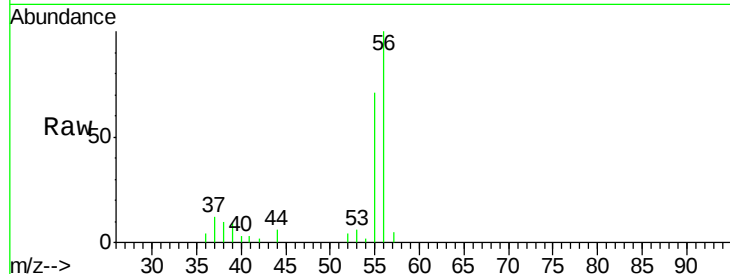
#13
Acrolein
Concen: 102.289 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
VN0930MBS01

Tot Ion	56	Resp	28687
Ion Ratio	100	Lower	Upper
56	100		
55	72.7	56.9	85.3

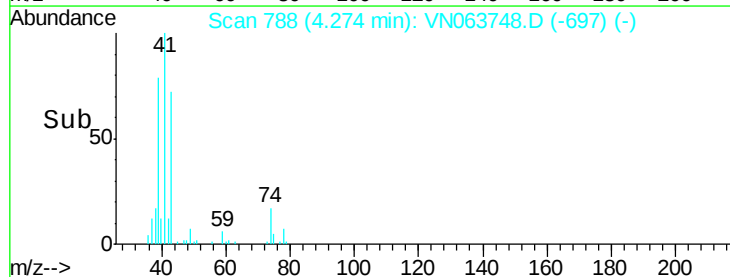
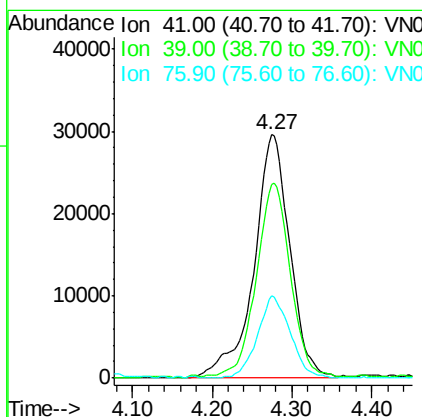
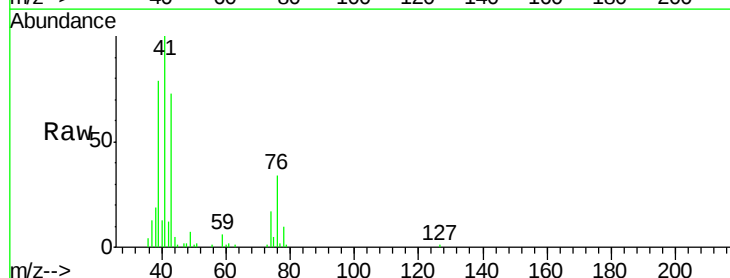
Manual Integrations
APPROVED

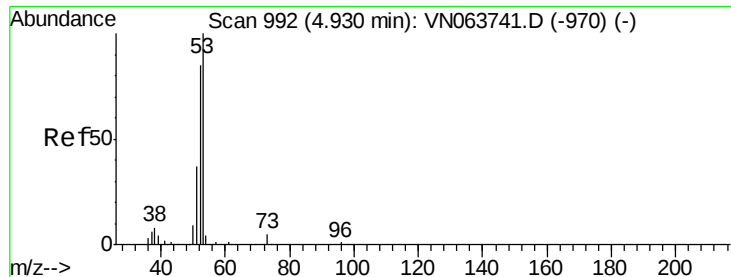
MMDadoda
10/1/2020 2:40:29 PM



#14
Allyl chloride
Concen: 19.573 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	41	Resp	91736
Ion Ratio	100	Lower	Upper
41	100		
39	75.6	64.5	96.7
76	30.7	25.9	38.9





#15

Acrylonitrile

Concen: 100.396 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

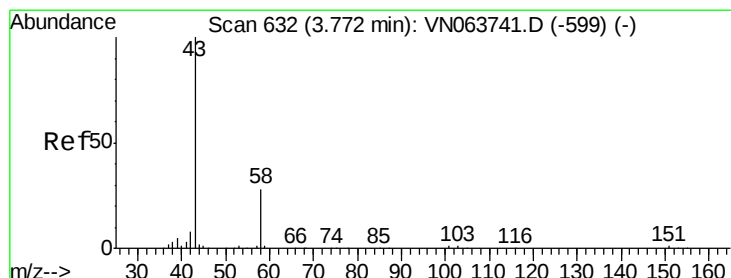
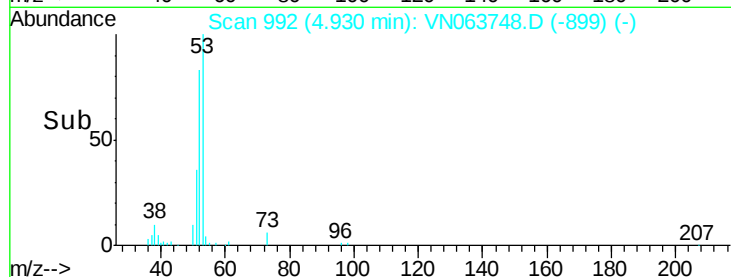
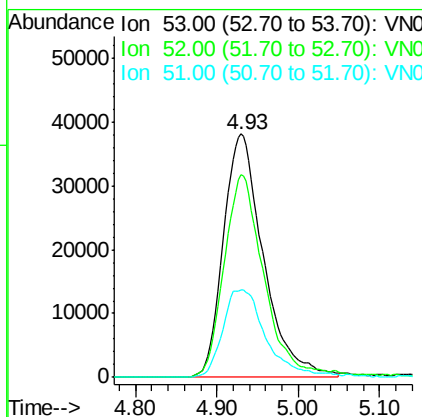
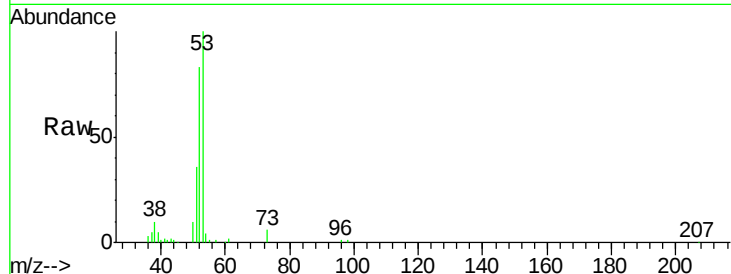
ClientSampleId :

VN0930MBS01

Tot Ion:	53	Resp:	131317
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.5	99.7
51	38.0	29.9	44.9

Manual Integrations
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10/1/2020 2:40:29 PM



#16

Acetone

Concen: 94.852 ug/l

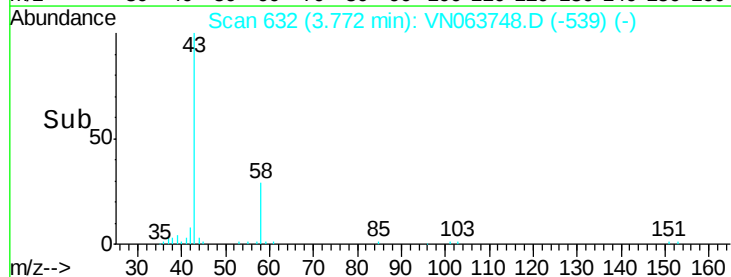
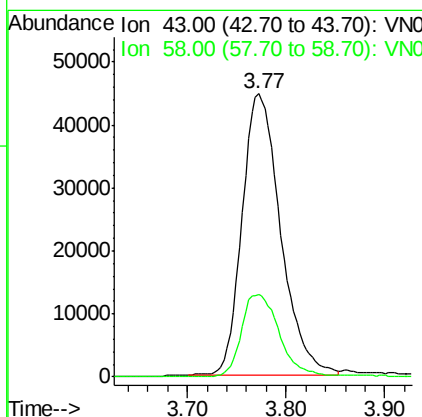
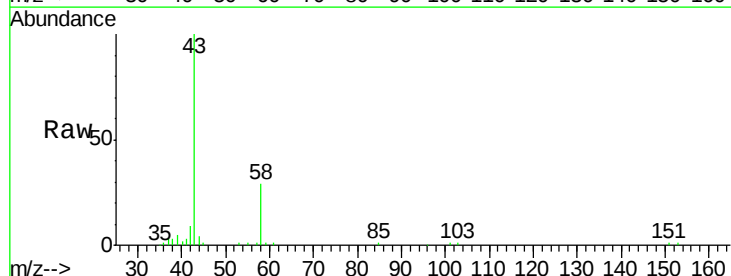
RT: 3.77 min Scan# 632

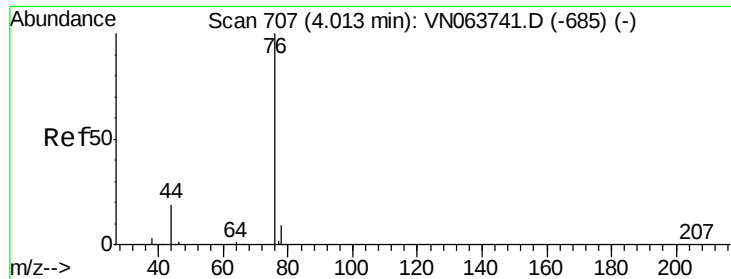
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	43	Resp:	120850
Ion Ratio		Lower	Upper
43	100		
58	29.2	22.3	33.5





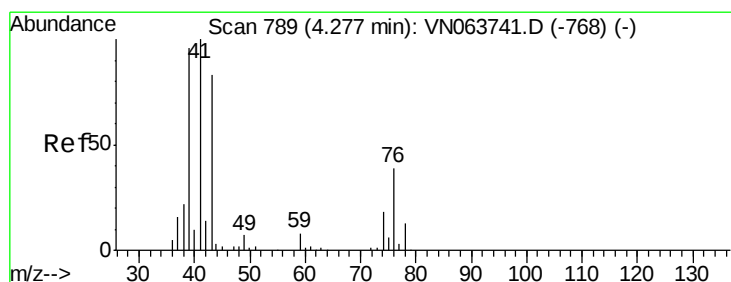
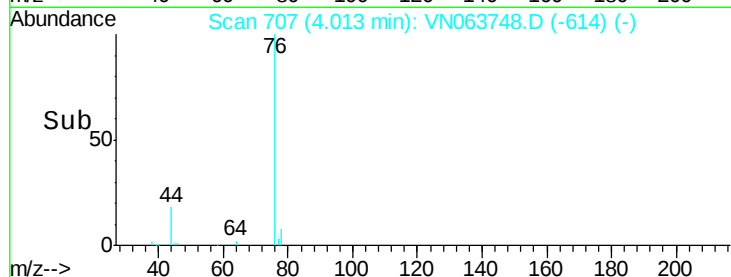
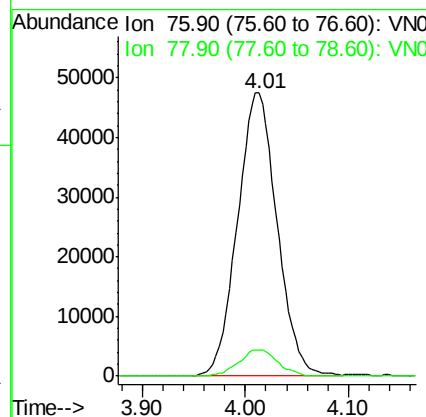
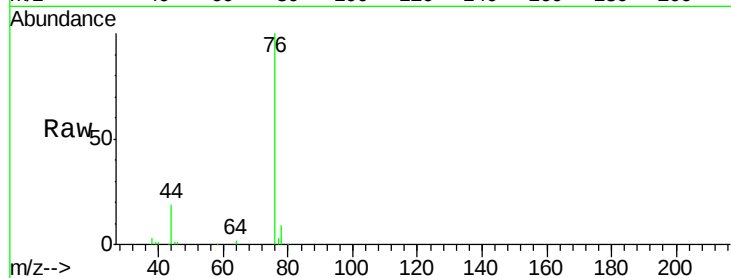
#17
Carbon Disulfide
Concen: 19.007 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

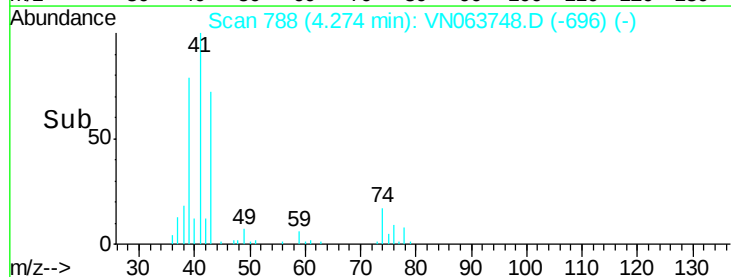
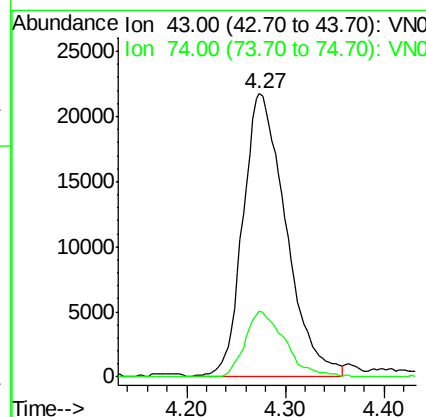
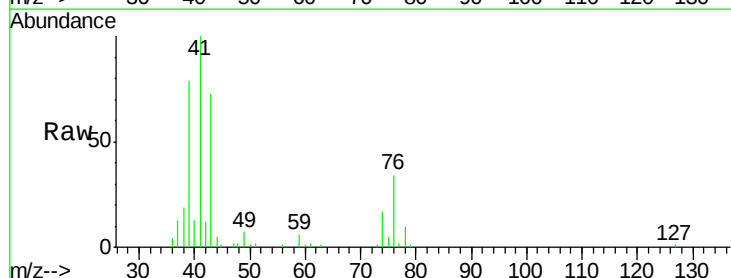
Manual Integrations
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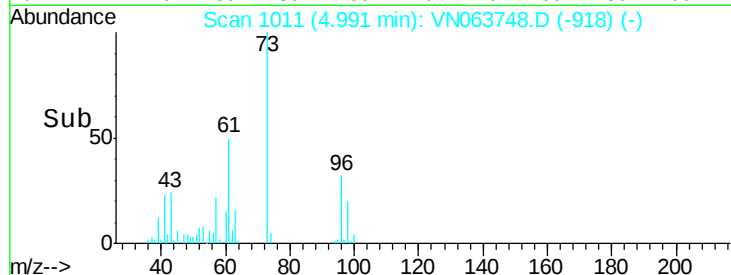
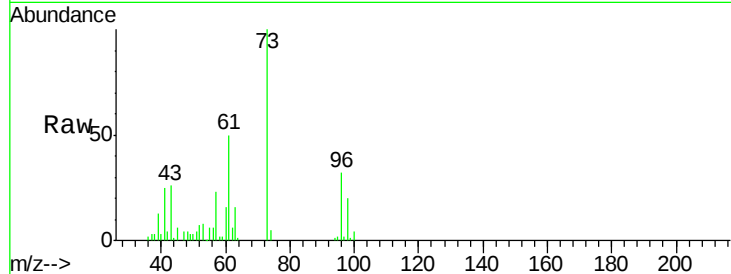
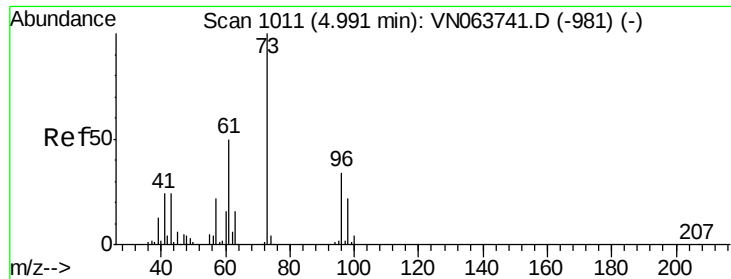
MMDadoda
10/1/2020 2:40:29 PM



#18
Methyl Acetate
Concen: 19.936 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.2





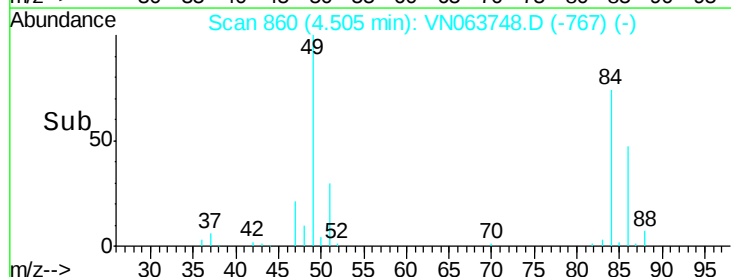
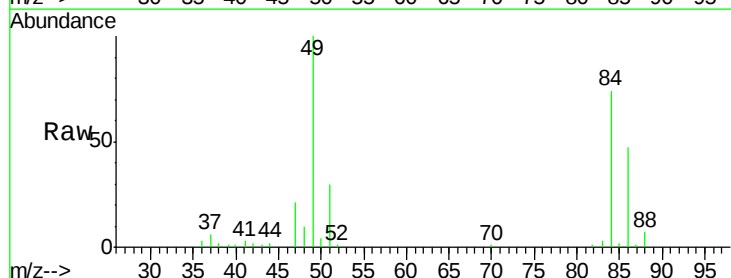
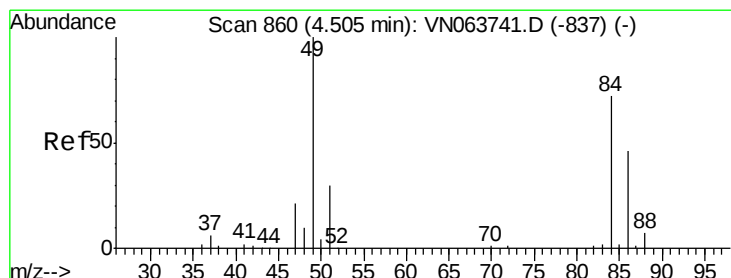
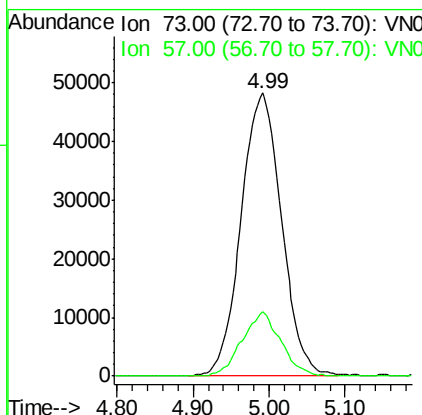
#19
Methvl tert-butvl Ether
Concen: 19.489 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tot Ion: 73 Resp: 178623
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

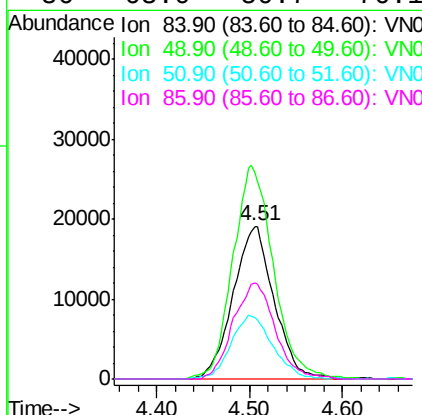
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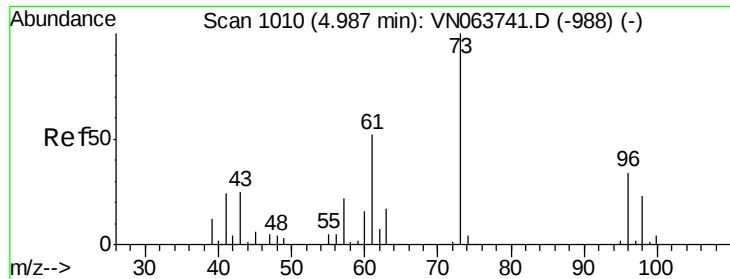
MMDadoda
10/1/2020 2:40:29 PM



#20
Methylene Chloride
Concen: 20.031 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion: 84 Resp: 58285
Ion Ratio Lower Upper
84 100
49 134.1 110.4 165.6
51 39.8 33.3 49.9
86 63.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.639 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion: 96 Resp: 49844

Ion Ratio Lower Upper

96 100

61 155.2 120.2 180.2

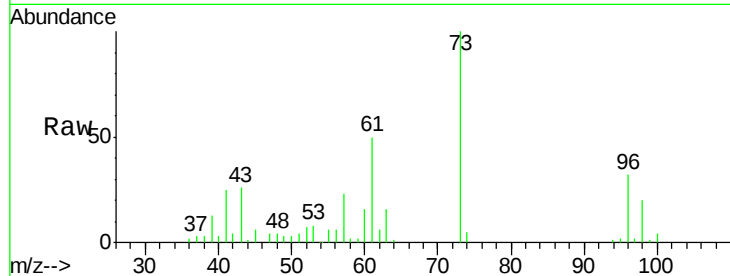
98 64.0 52.6 79.0

Manual Integrations

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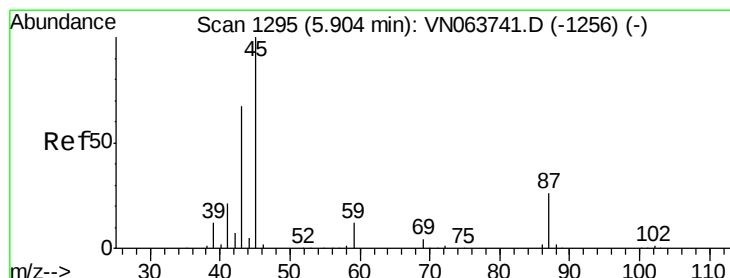
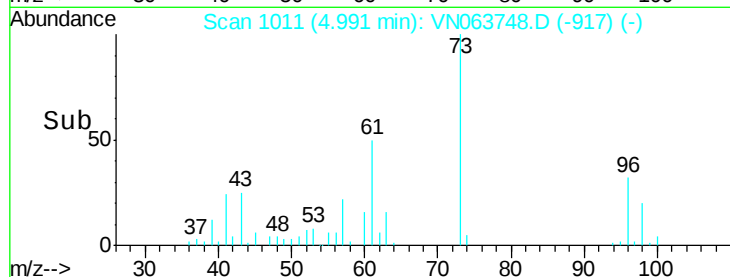
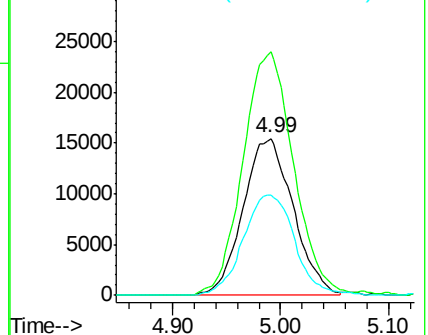
10/1/2020 2:40:29 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063748.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN063748.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN063748.D (-988) (-)



#22

Diisopropyl ether

Concen: 19.456 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion: 45 Resp: 187611

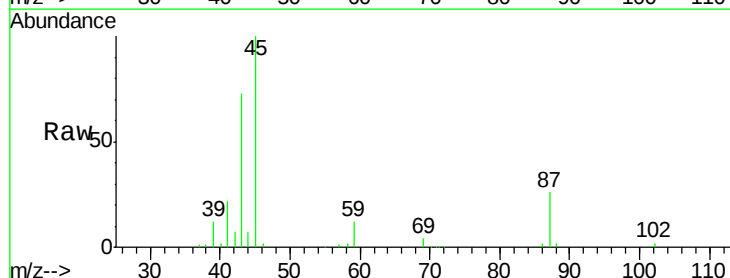
Ion Ratio Lower Upper

45 100

43 68.9 53.7 80.5

87 26.3 21.1 31.7

59 11.5 9.2 13.8

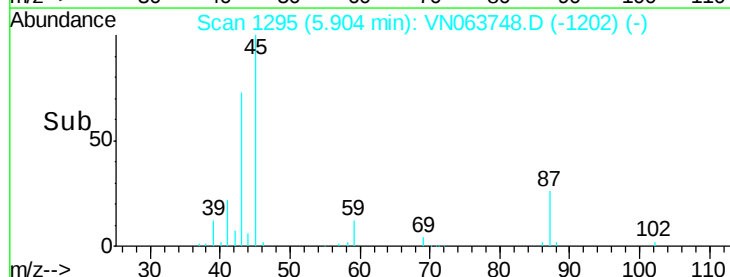
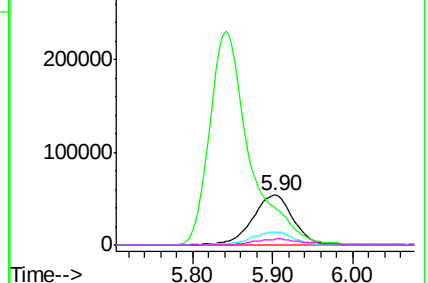


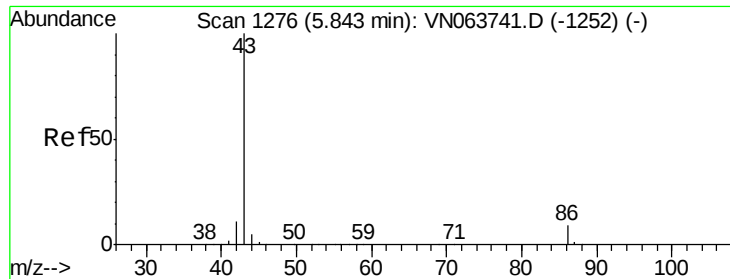
Abundance Ion 45.00 (44.70 to 45.70): VN063748.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN063748.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN063748.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063748.D (-1256) (-)





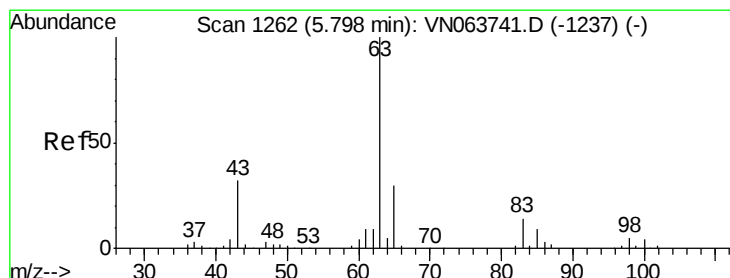
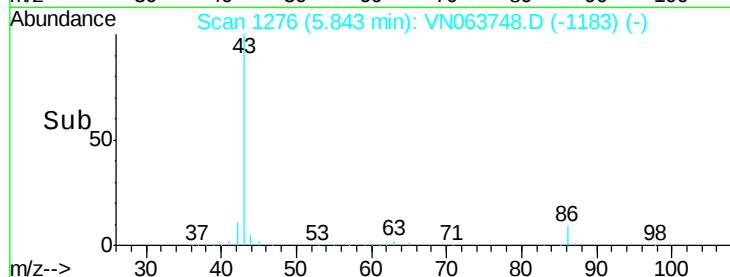
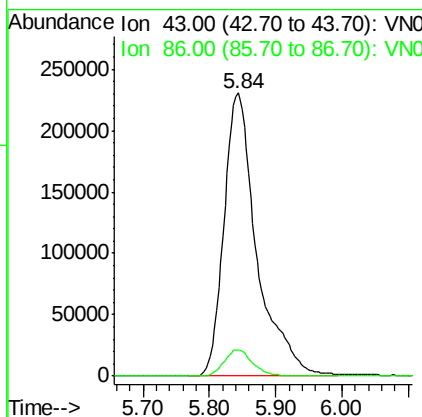
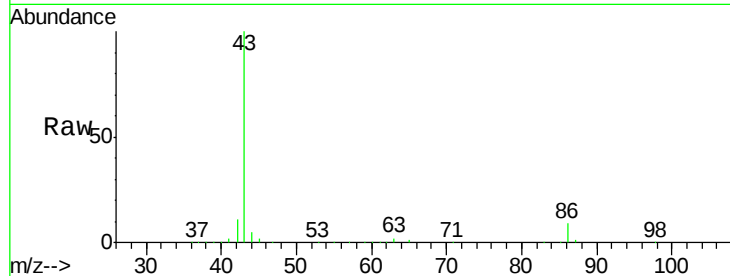
#23
 Vinyl Acetate
 Concen: 99.675 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0930MBS01

Tot Ion	43	Resp	796179
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.3	10.9

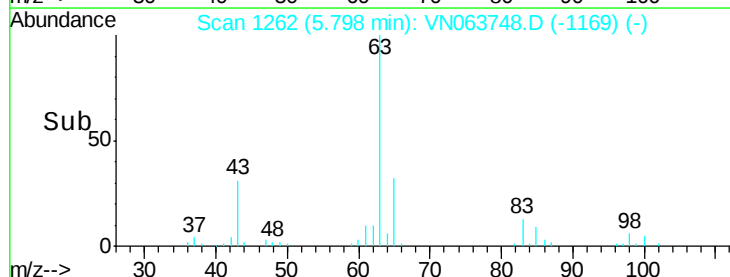
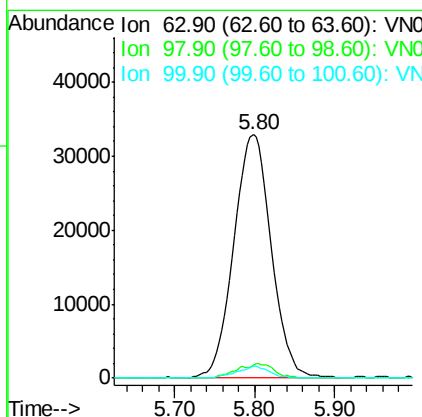
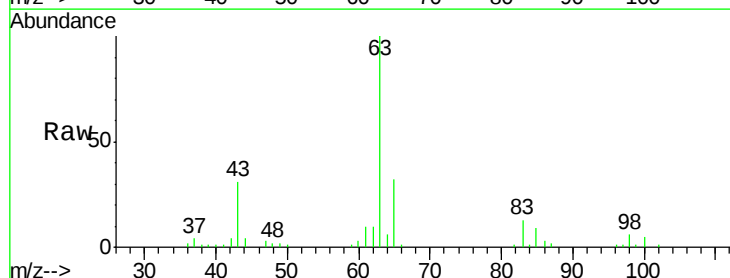
Manual Integrations
 APPROVED

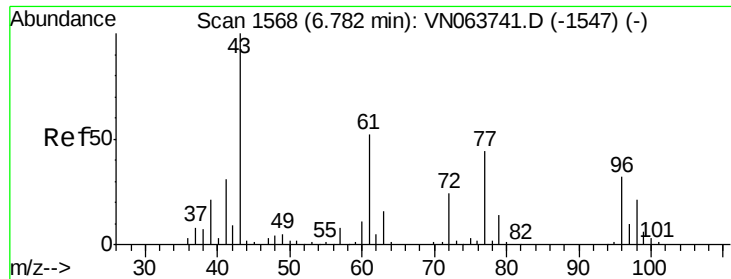
MMDadoda
 10/1/2020 2:40:29 PM



#24
 1,1-Dichloroethane
 Concen: 18.975 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	63	Resp	104617
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.7	8.1
100	4.9	1.9	5.7





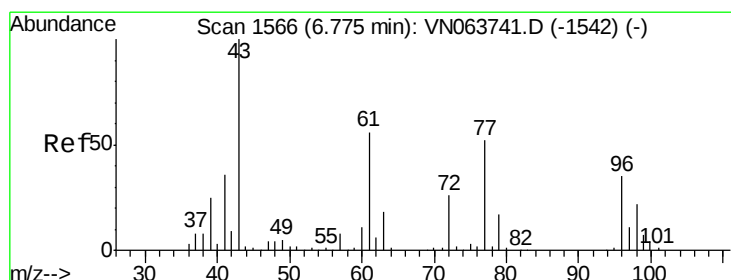
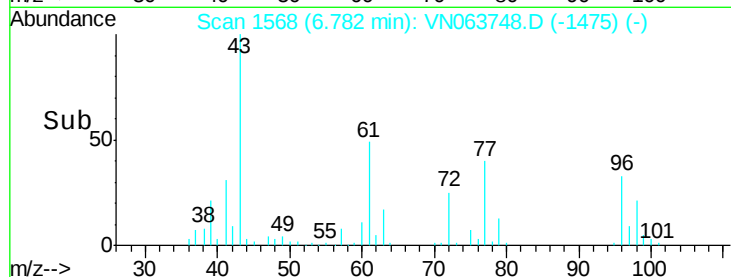
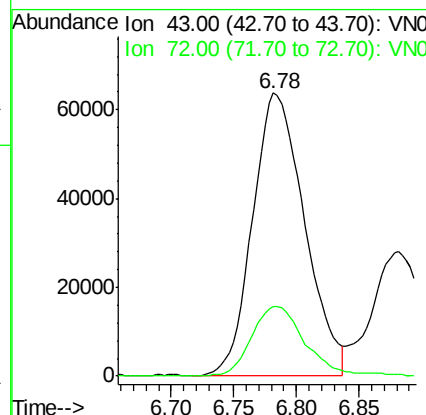
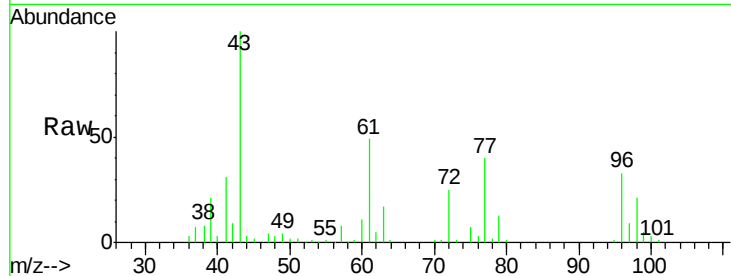
#25
2-Butanone
Concen: 102.018 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion: 43 Resp: 184280
Ion Ratio Lower Upper
43 100
72 24.7 19.3 28.9

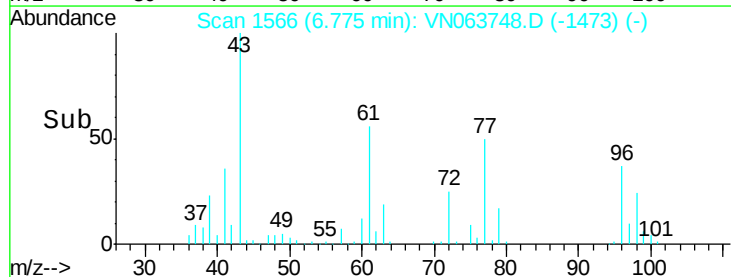
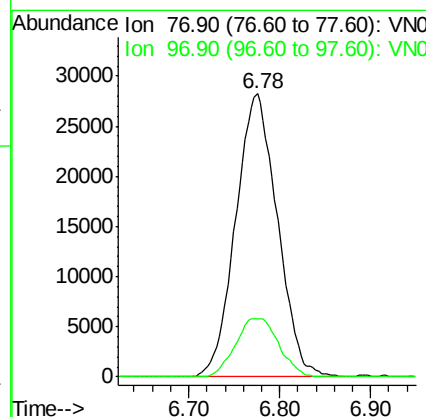
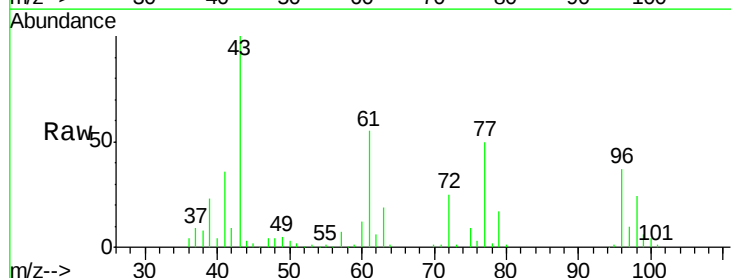
Manual Integrations
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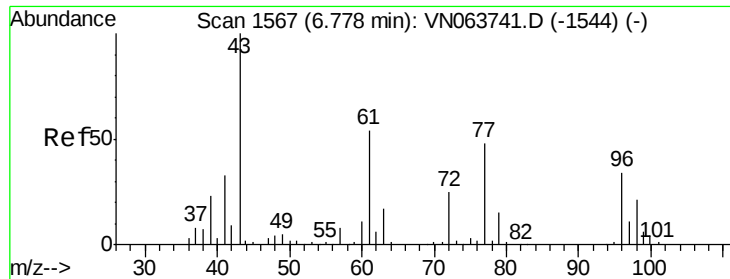
MMDadoda
10/1/2020 2:40:29 PM



#26
2,2-Dichloropropane
Concen: 17.811 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion: 77 Resp: 89930
Ion Ratio Lower Upper
77 100
97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.783 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

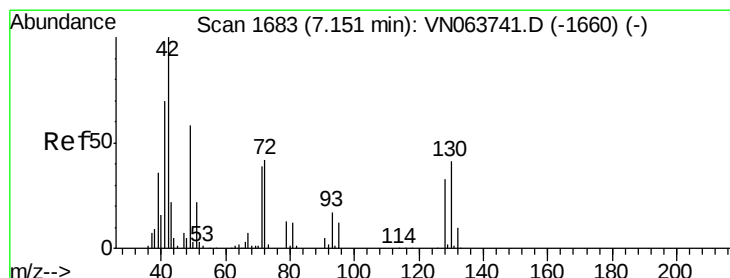
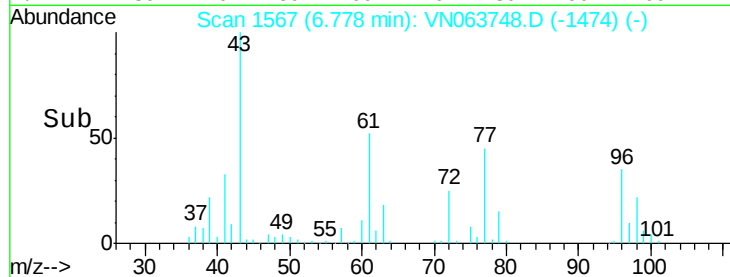
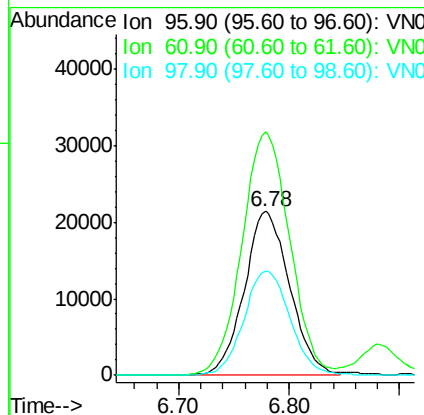
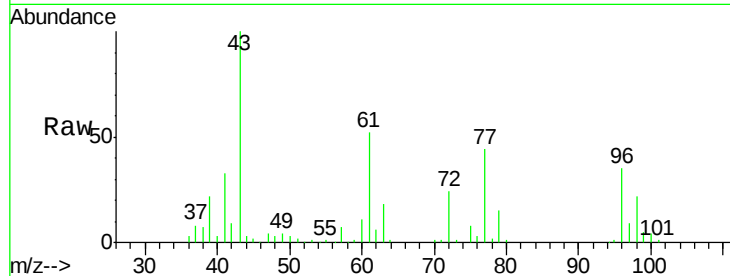
ClientSampleId :

VN0930MBS01

Tot Ion:	96	Resp:	61043
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	321.2
98	64.8	0.0	124.4

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#28

Bromochloromethane

Concen: 19.535 ug/l

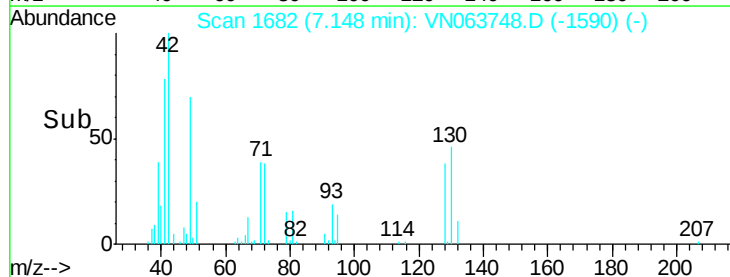
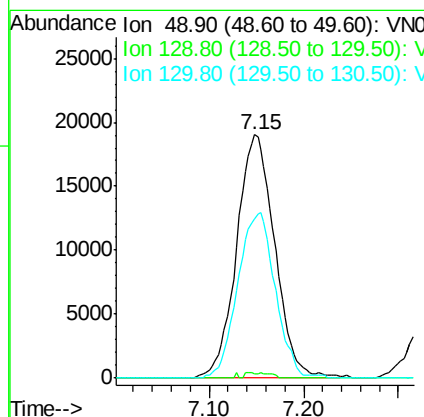
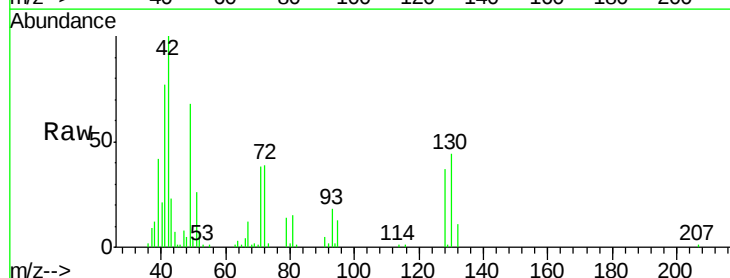
RT: 7.15 min Scan# 1682

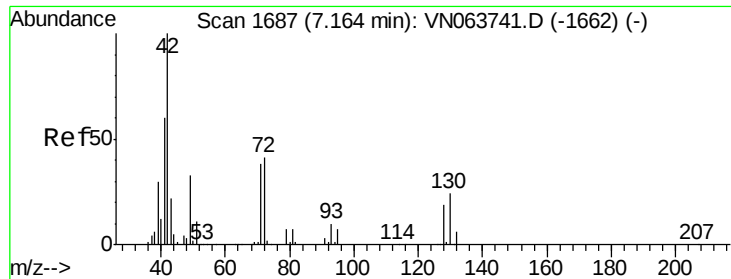
Delta R.T. -0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	49	Resp:	53235
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.8
130	66.4	55.6	83.4





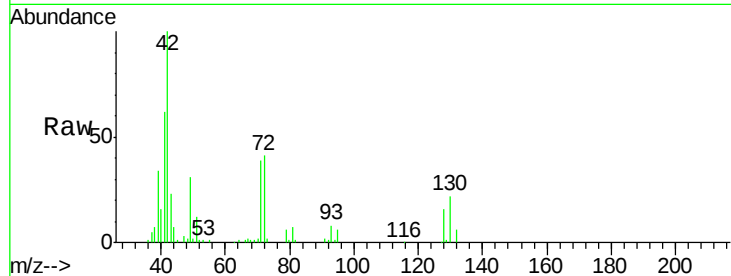
#29
Tetrahydrofuran
Concen: 100.713 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

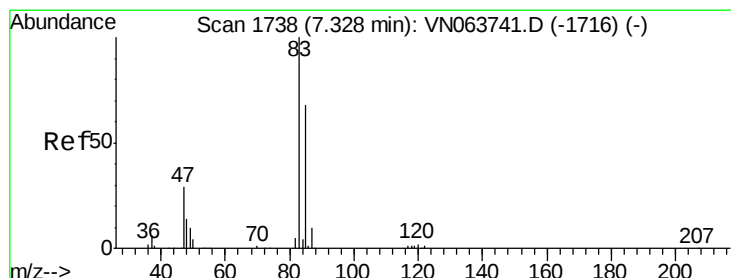
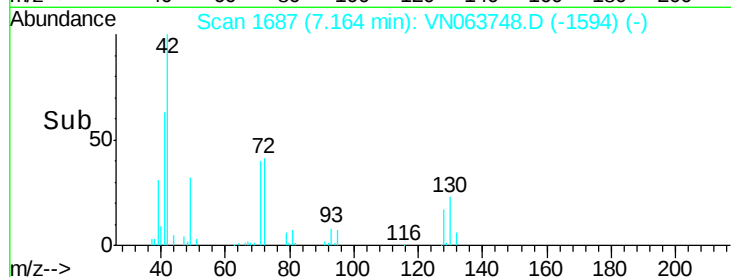
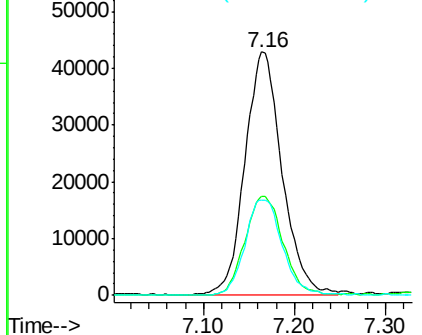
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	39.6	30.6	45.8

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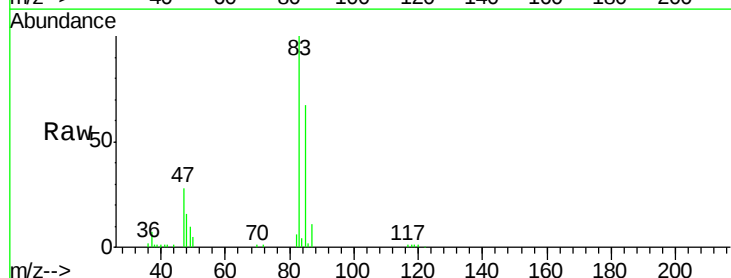


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

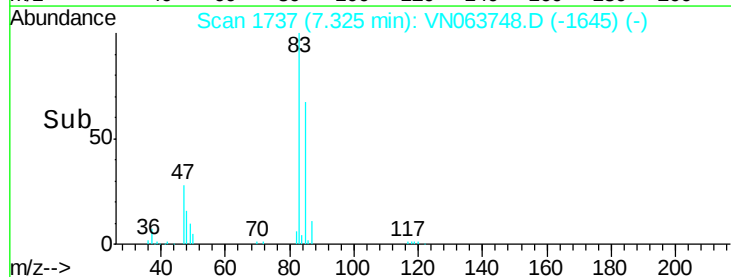
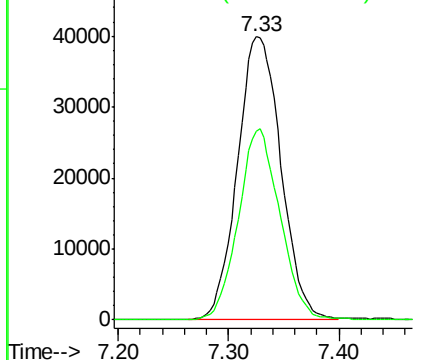


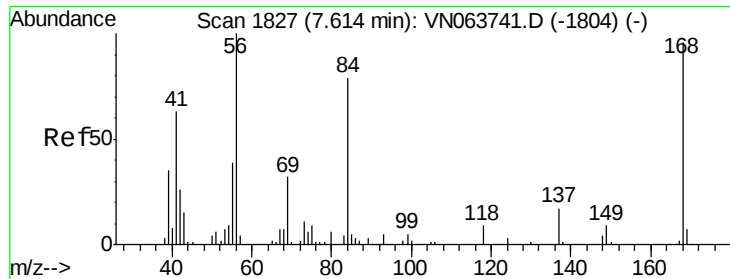
#30
Chloroform
Concen: 18.964 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	54.6	82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





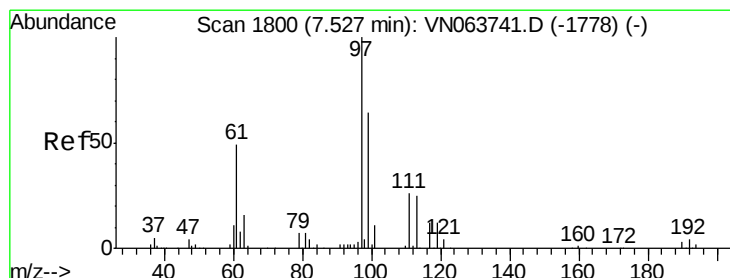
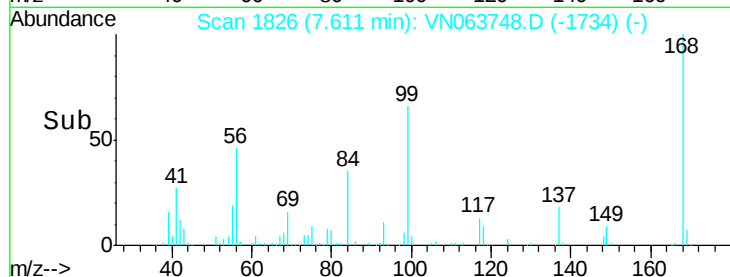
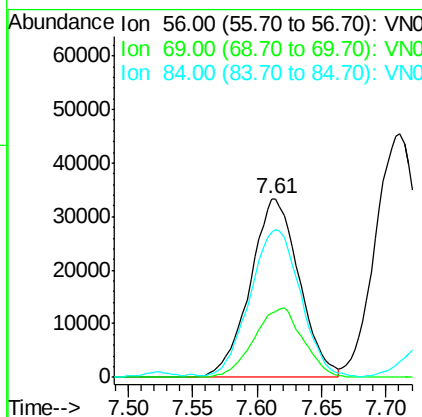
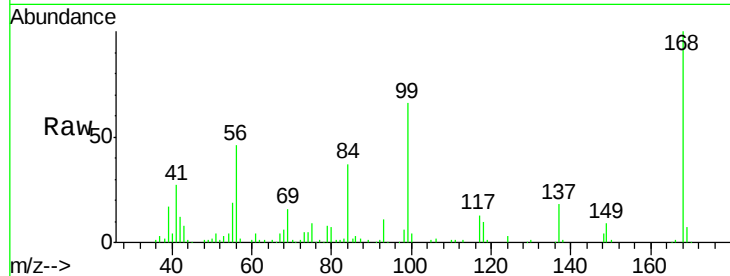
#31
Cyclohexane
Concen: 18.375 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.4	38.2
84	79.7	63.3	94.9

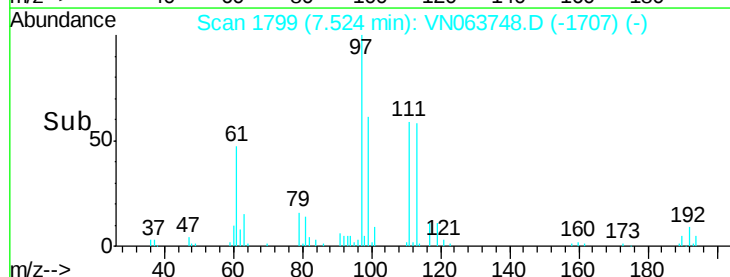
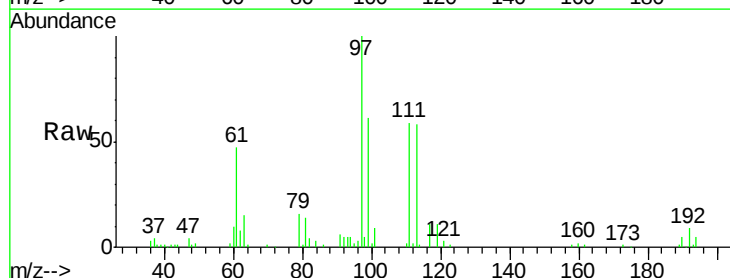
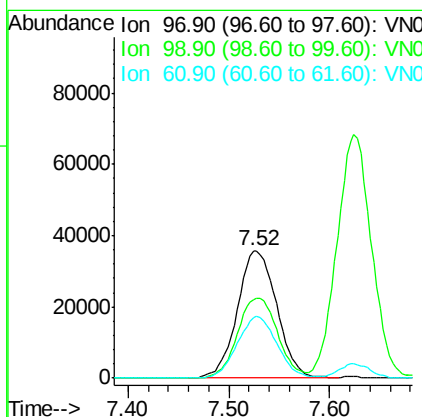
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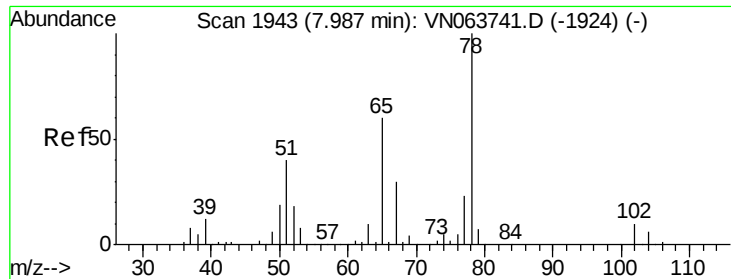
MMDadoda
10/1/2020 2:40:29 PM



#32
1,1,1-Trichloroethane
Concen: 18.700 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	48.5	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 50.688 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion: 65 Resp: 209791

Ion Ratio Lower Upper

65 100

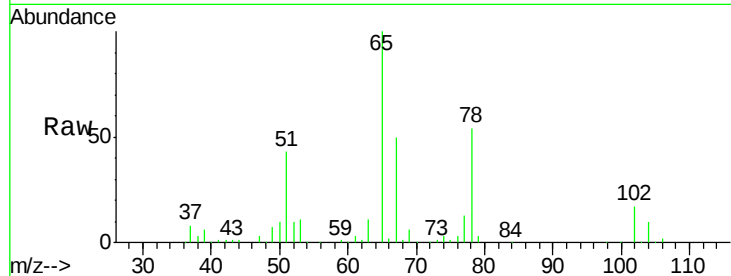
67 49.5 0.0 99.6

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Abundance Ion 64.90 (64.60 to 65.60): VN063748.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063748.D (-1924) (-)

7.98

100000

80000

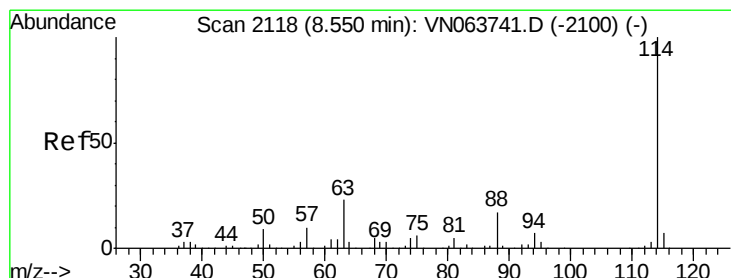
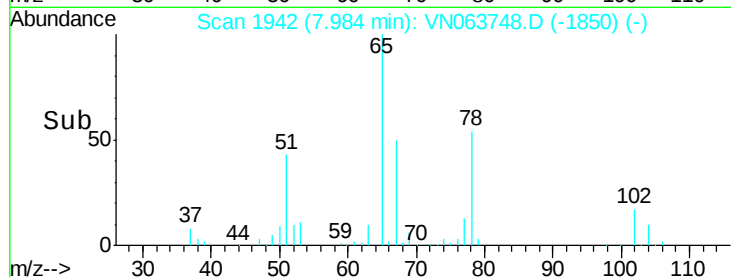
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

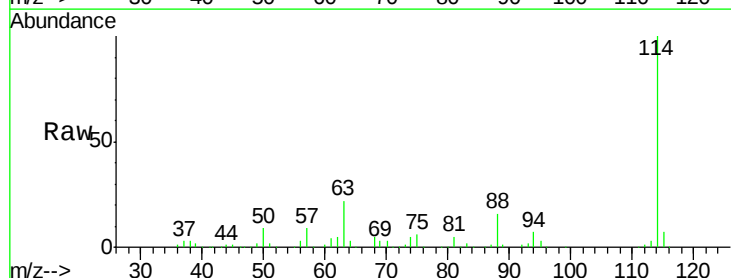
Tgt Ion: 114 Resp: 411012

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 15.7 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN063748.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063748.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063748.D (-2100) (-)

8.55

250000

200000

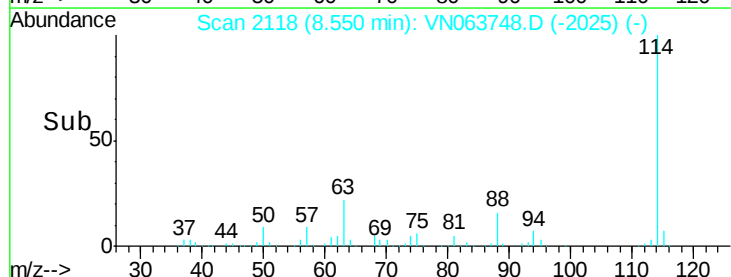
150000

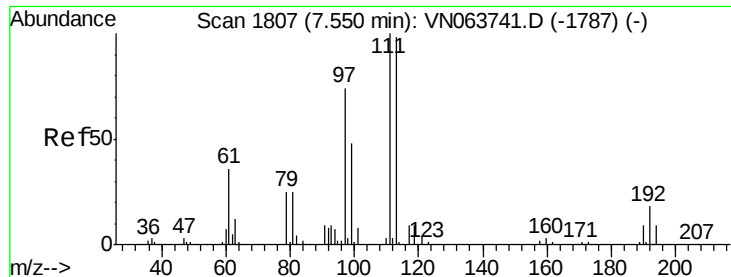
100000

50000

0

Time-->





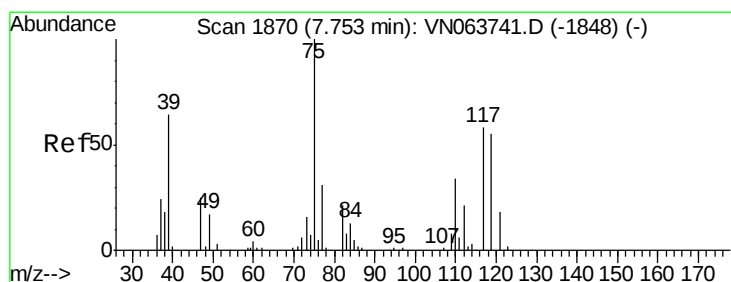
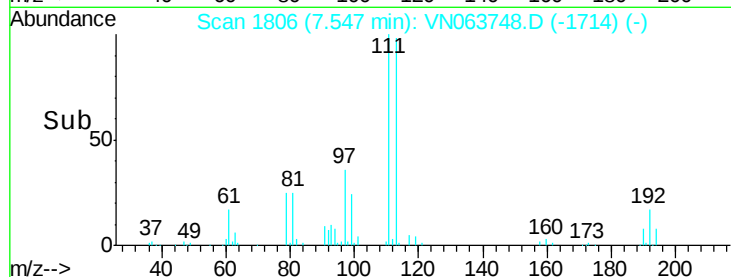
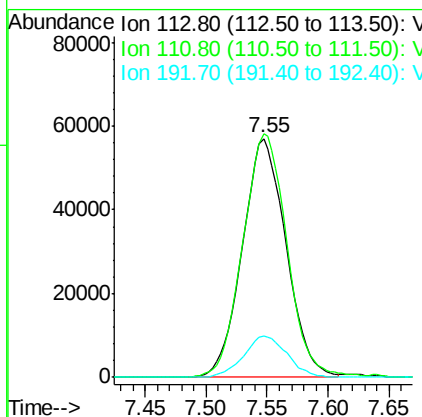
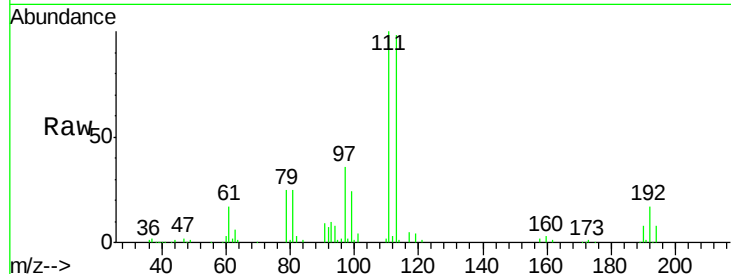
#35
 Dibromofluoromethane
 Concen: 49.514 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	81.8	122.8	
192	17.3	14.2	21.2	

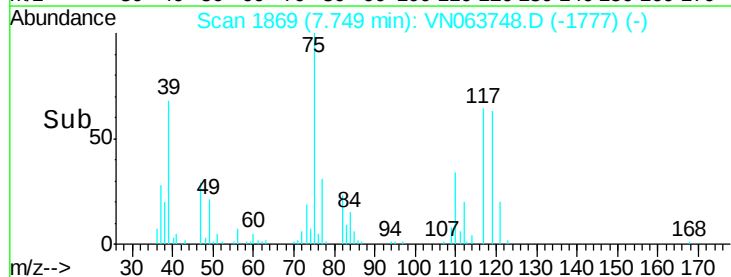
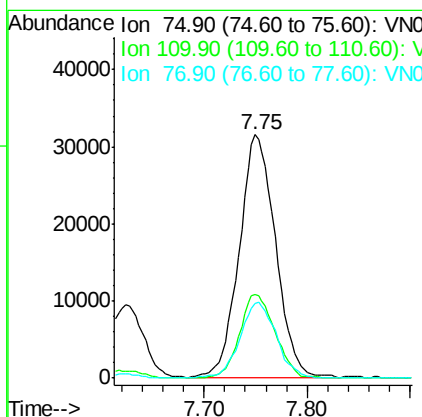
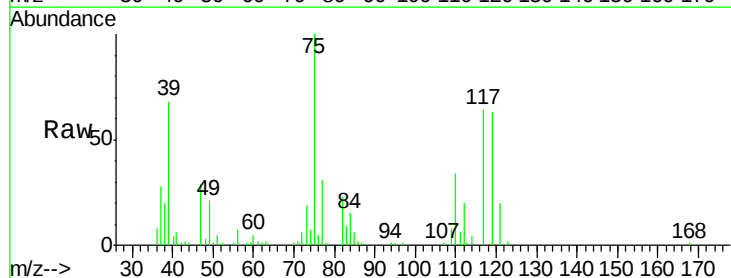
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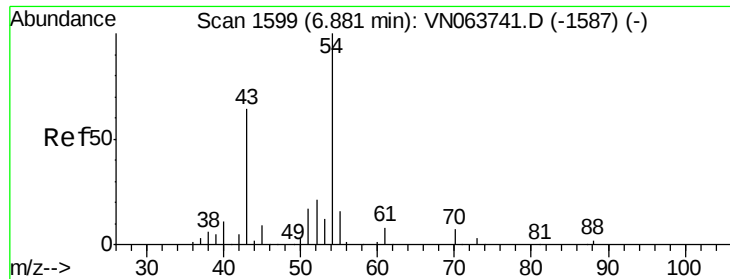
MMDadoda
 10/1/2020 2:40:29 PM



#36
 1,1-Dichloropropene
 Concen: 18.616 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	16.9	50.6	
77	31.1	24.5	36.7	





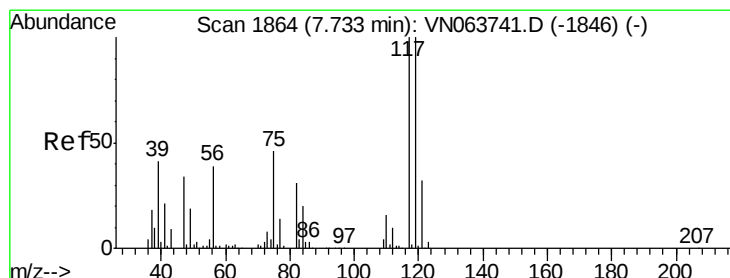
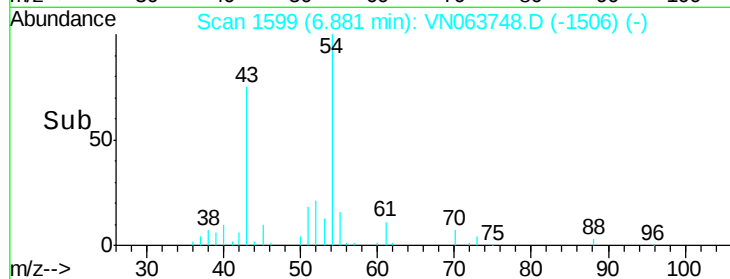
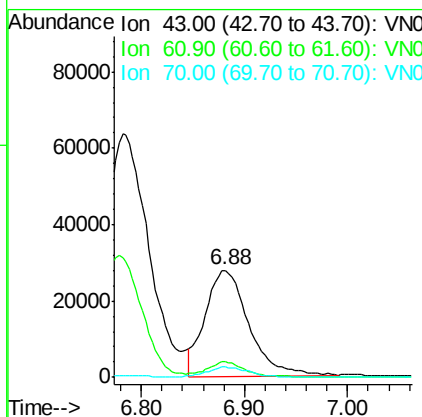
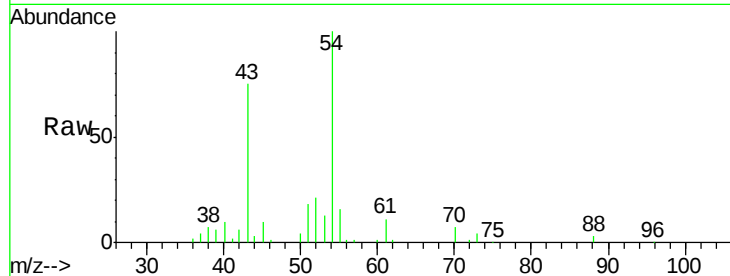
#37
Ethyl Acetate
Concen: 19.670 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	43	61	70
Resp:	81372		
Ion Ratio	100	13.2	9.3
Lower		10.4	7.3
Upper		15.6	10.9

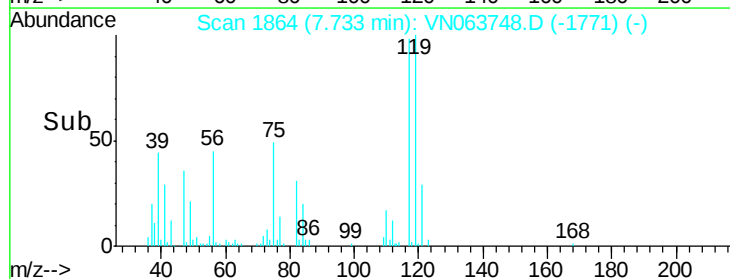
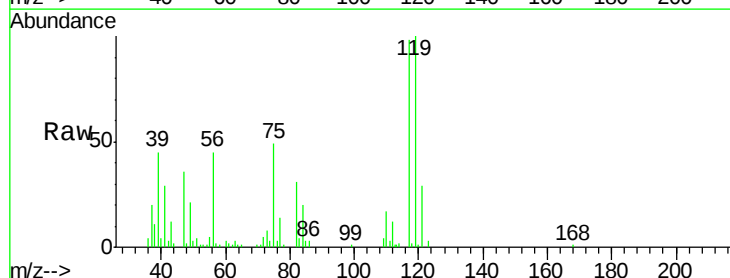
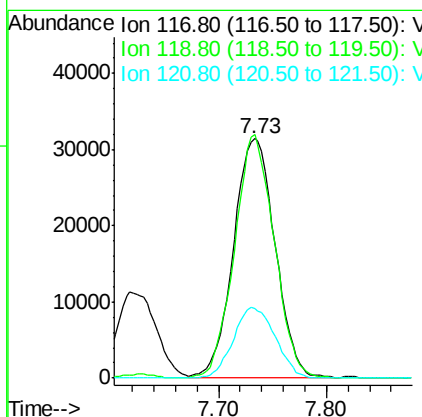
Manual Integrations
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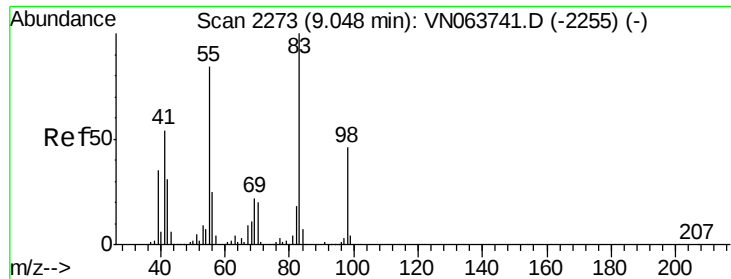
MMDadoda
10/1/2020 2:40:29 PM



#38
Carbon Tetrachloride
Concen: 18.123 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	117	119	121
Resp:	84620		
Ion Ratio	100	101.7	29.1
Lower		80.1	25.7
Upper		120.1	38.5





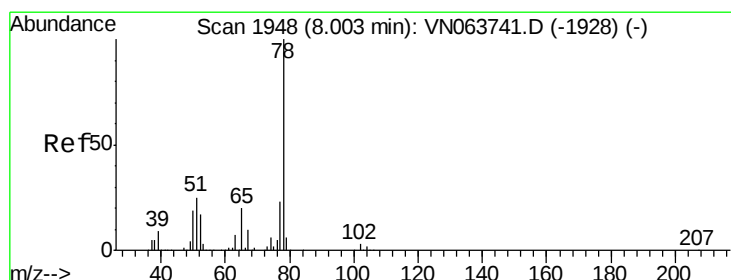
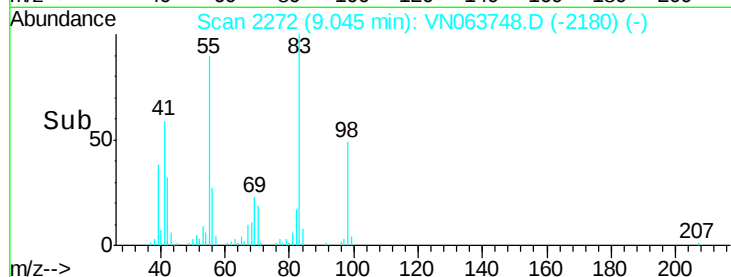
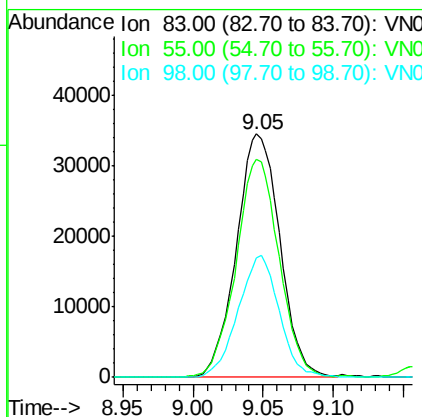
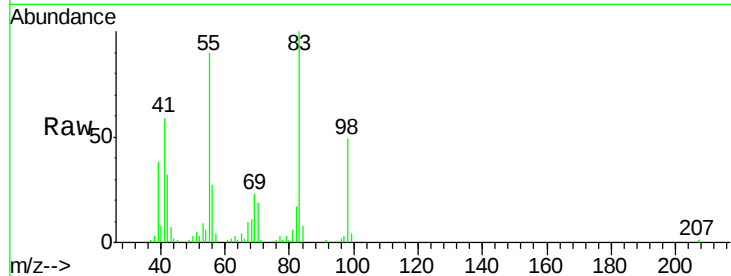
#39
Methvlcvclohexane
Concen: 17.933 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	67.1	100.7
98	49.3	36.6	54.8

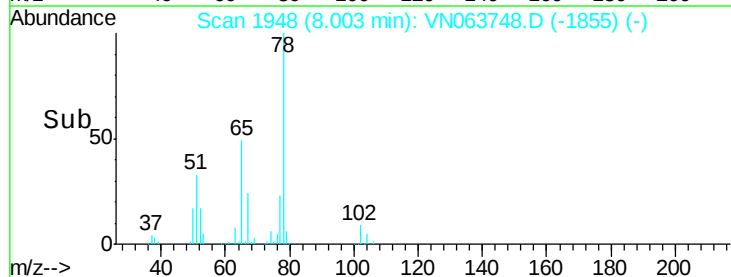
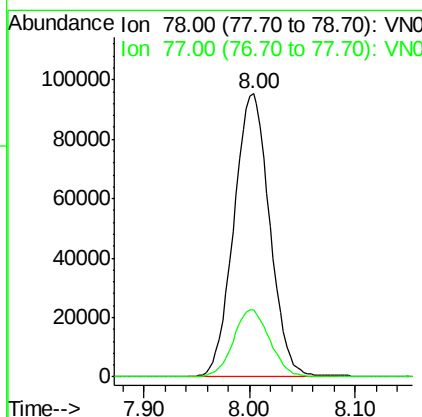
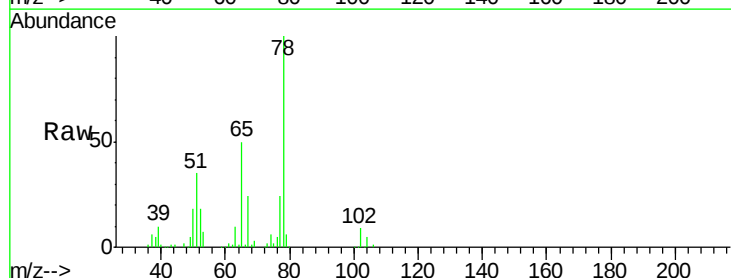
Manual Integrations
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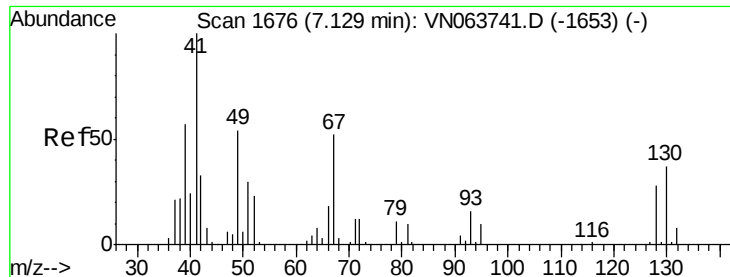
MMDadoda
10/1/2020 2:40:29 PM



#40
Benzene
Concen: 18.900 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





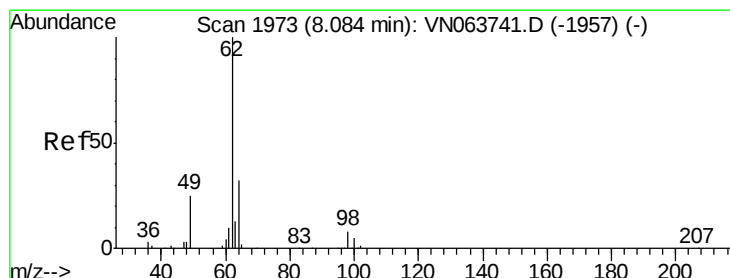
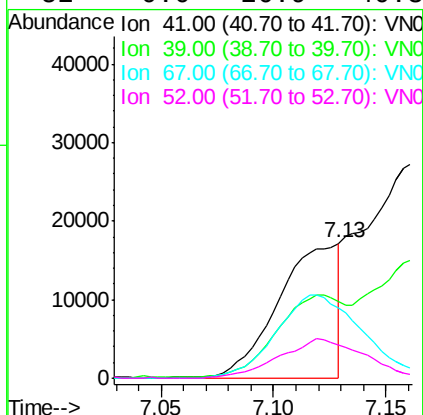
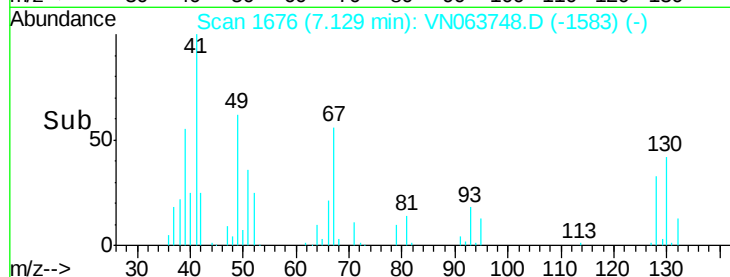
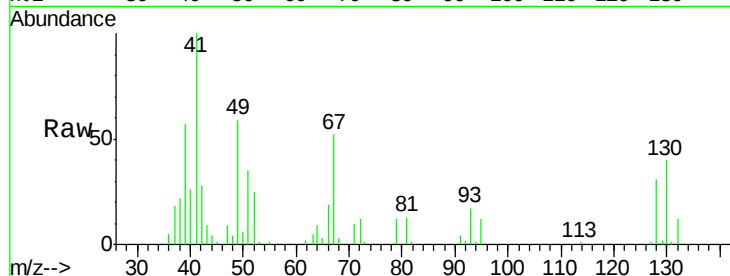
#41
Methacrylonitrile
Concen: 17.542 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

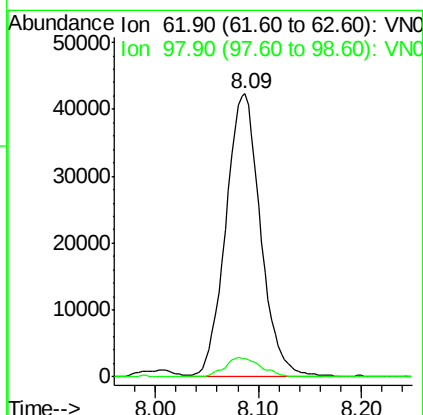
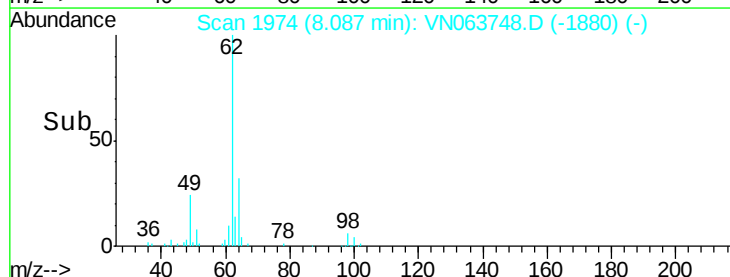
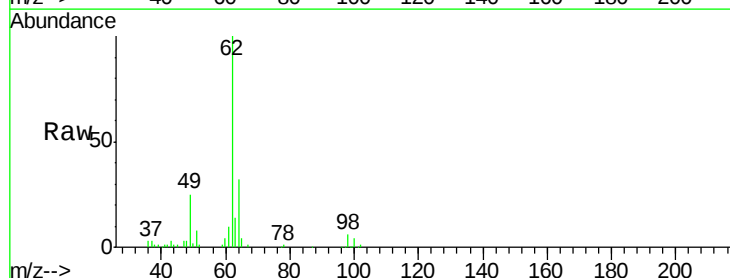
Manual Integrations
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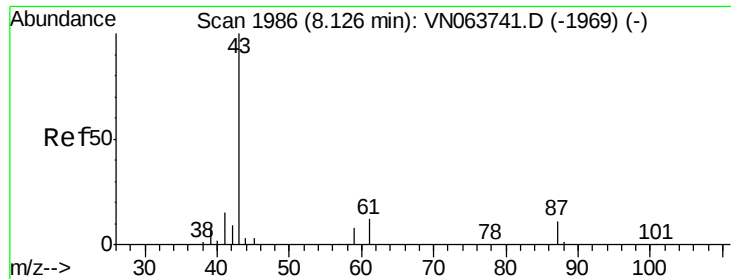
MMDadoda
10/1/2020 2:40:29 PM



#42
1,2-Dichloroethane
Concen: 19.609 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	15.0





#43

Isopropyl Acetate

Concen: 20.824 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

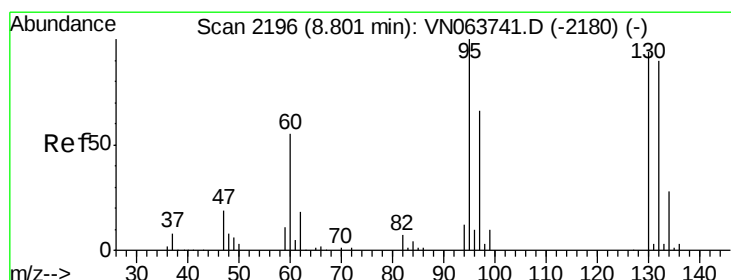
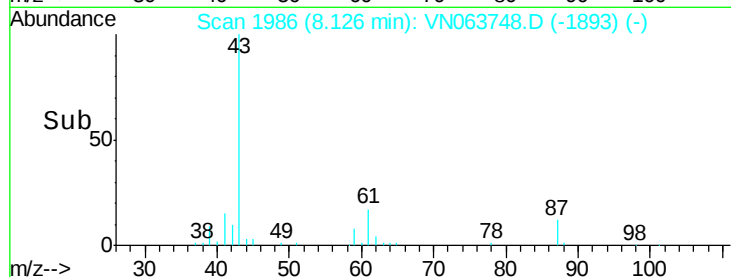
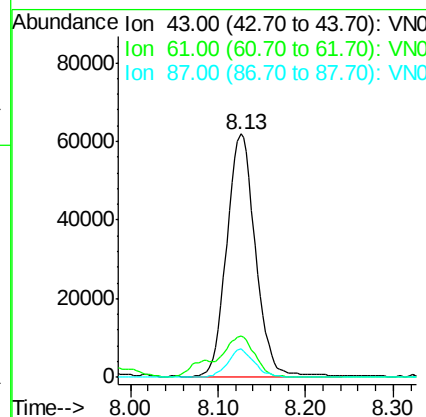
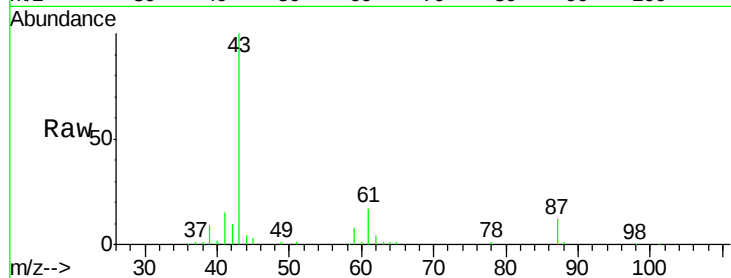
ClientSampleId :

VN0930MBS01

Tot Ion:	43	Resp:	142095
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.2	21.4
87	10.7	9.0	13.6

Manual Integrations
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10/1/2020 2:40:29 PM



#44

Trichloroethene

Concen: 18.815 ug/l

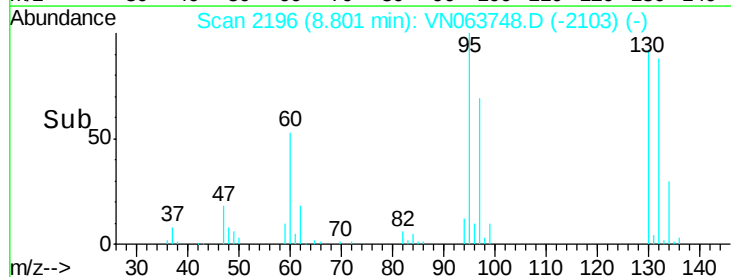
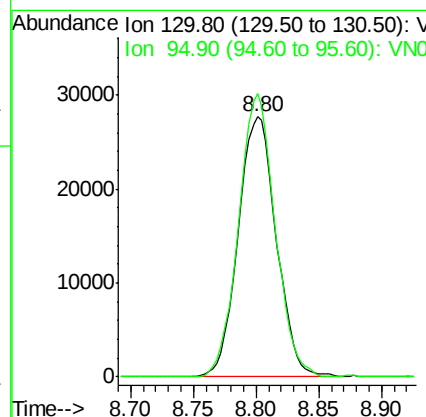
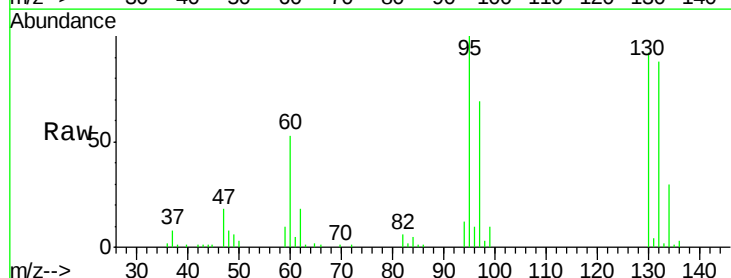
RT: 8.80 min Scan# 2196

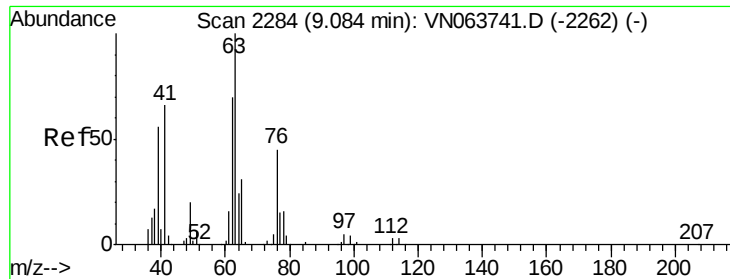
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	130	Resp:	58632
Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	213.6





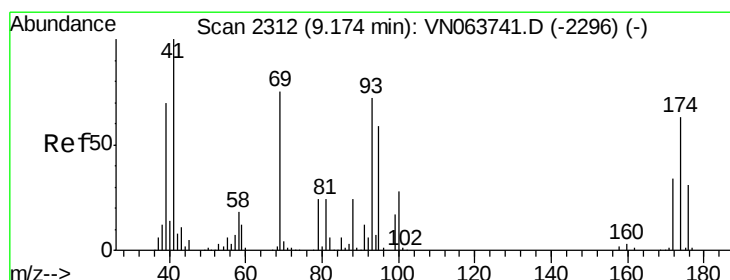
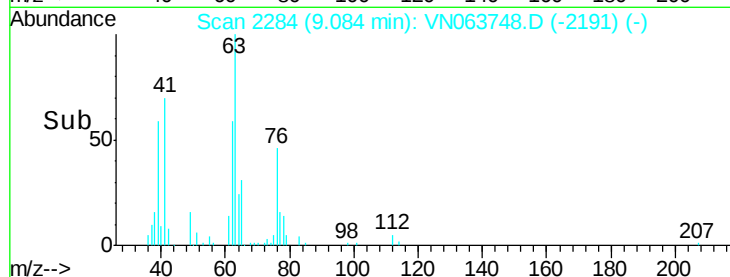
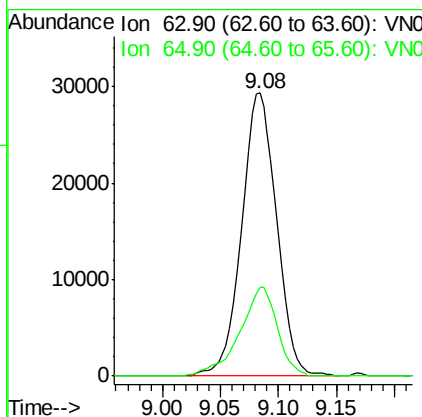
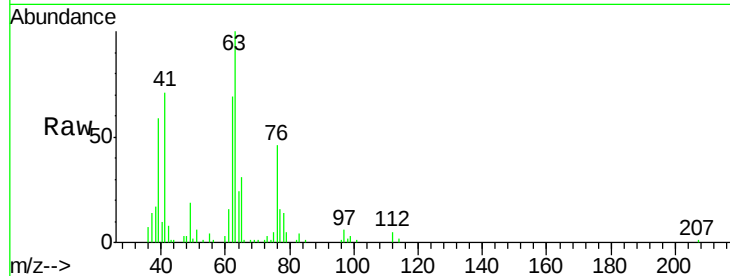
#45
 1,2-Dichloropropane
 Concen: 19.150 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion: 63 Resp: 61510
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

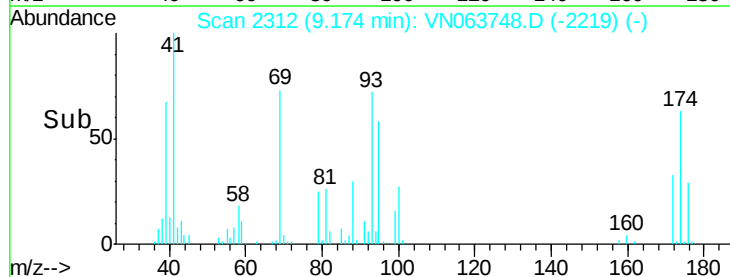
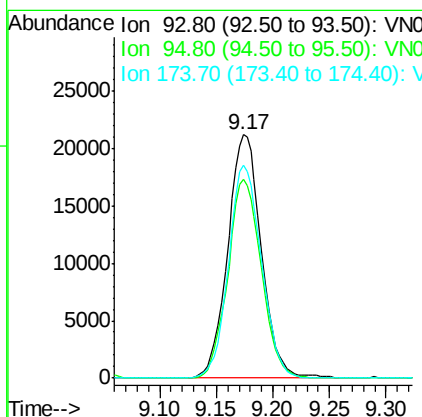
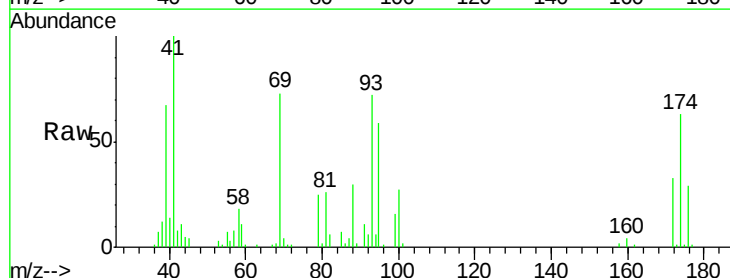
Manual Integrations
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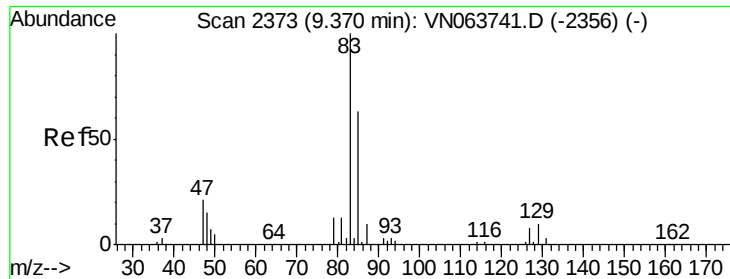
MMDadoda
 10/1/2020 2:40:29 PM



#46
 Dibromomethane
 Concen: 19.751 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion: 93 Resp: 43764
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.3 99.5
 174 85.8 72.7 109.1





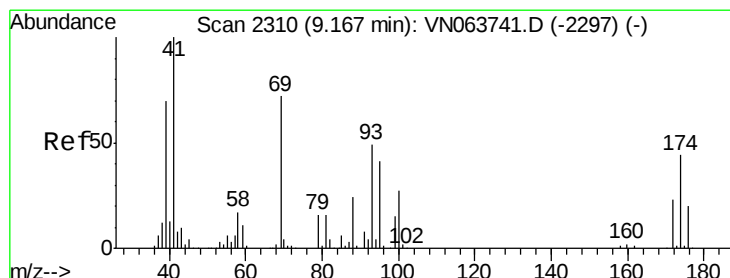
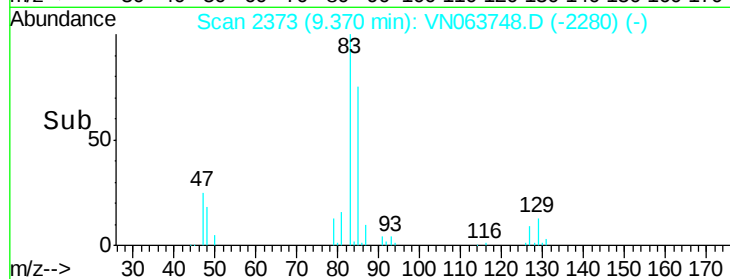
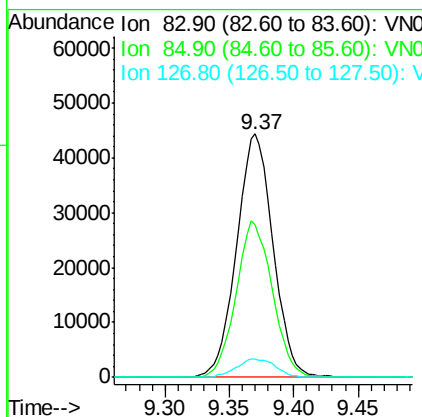
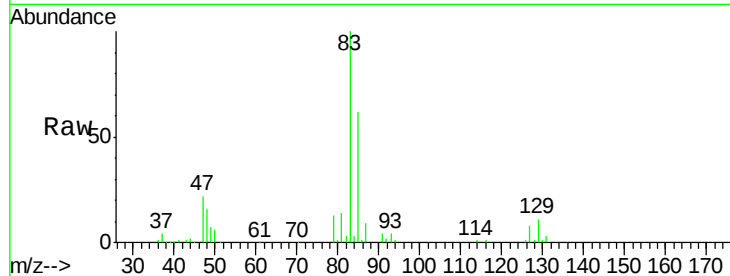
#47
Bromodichloromethane
Concen: 19.077 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	83	Resp	87116
Ion Ratio	100		
Lower	50.6		
Upper	75.8		
85	62.5		
127	7.6		

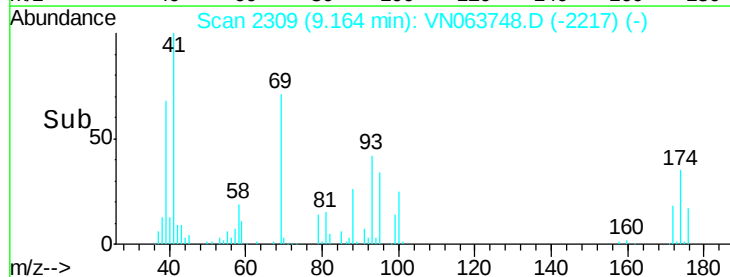
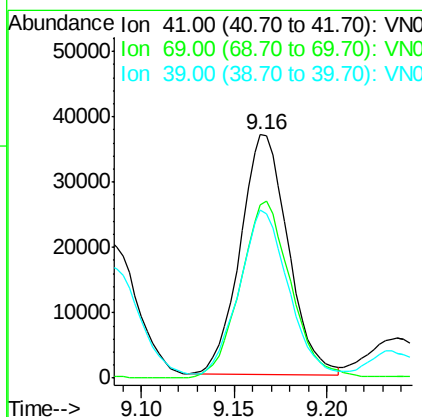
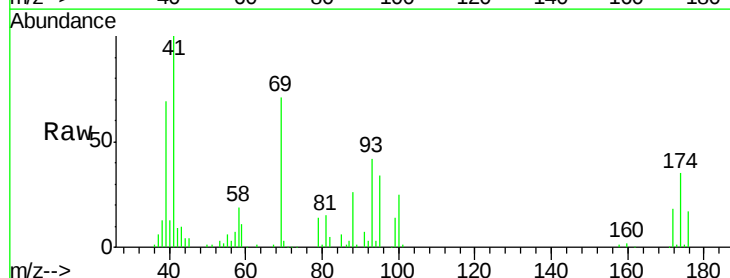
Manual Integrations
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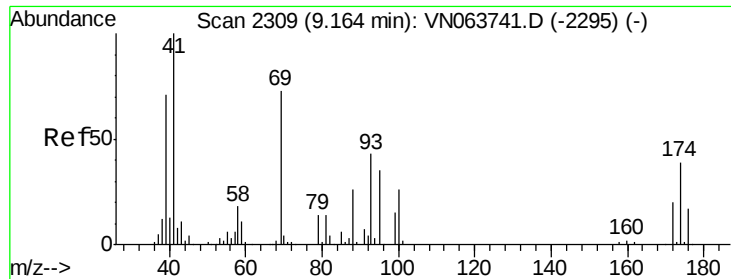
MMDadoda
10/1/2020 2:40:29 PM



#48
Methyl methacrylate
Concen: 19.455 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	41	Resp	65591
Ion Ratio	100		
Lower	60.9		
Upper	91.3		
69	78.1		
39	72.0		





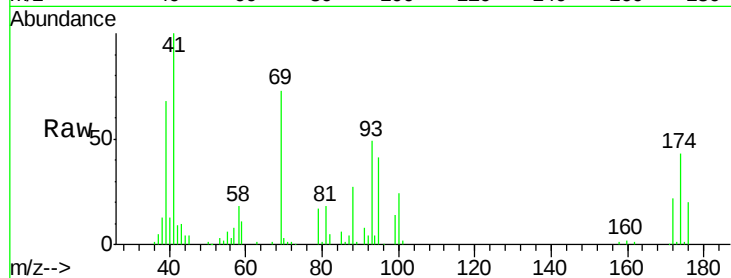
#49
1,4-Dioxane
Concen: 426.721 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	33.1	49.7
58	69.5	58.9	88.3

Manual Integrations
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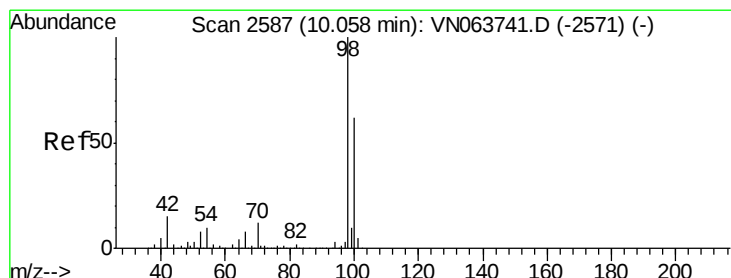
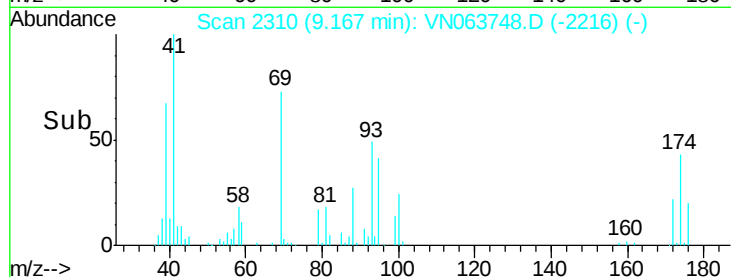
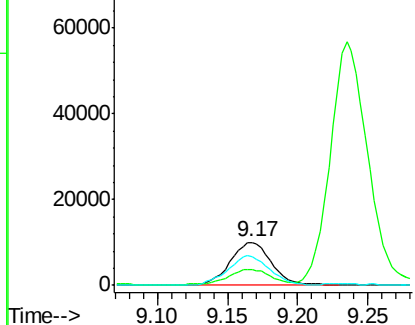
MMDadoda
10/1/2020 2:40:29 PM



Abundance Ion 88.00 (87.70 to 88.70): VN063748.D (-2295) (-)

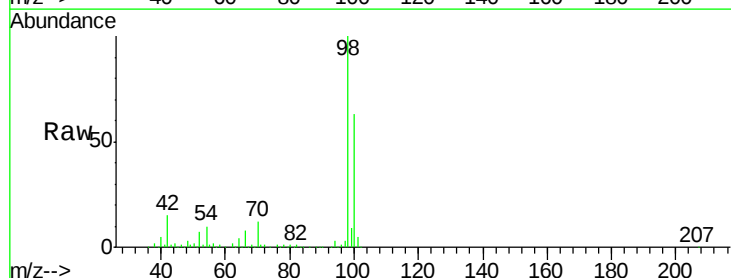
Ion 43.00 (42.70 to 43.70): VN063748.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063748.D (-2295) (-)



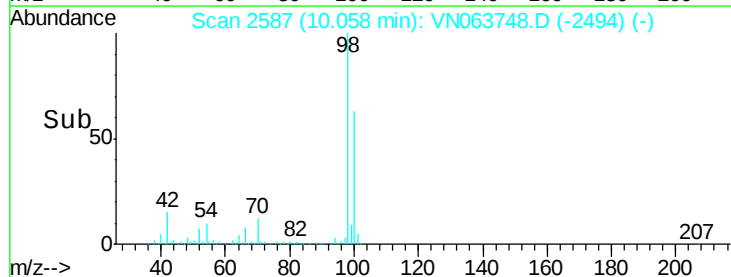
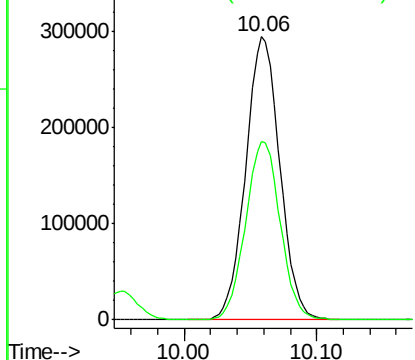
#50
Toluene-d8
Concen: 48.647 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

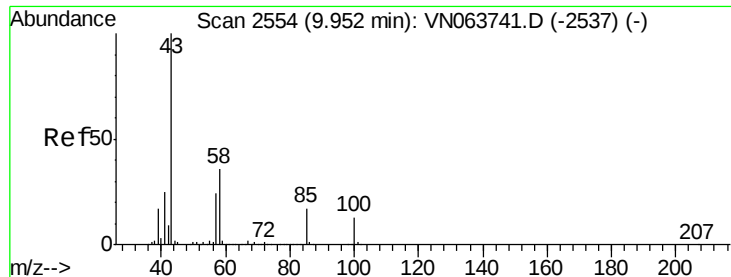
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063748.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN063748.D (-2494) (-)





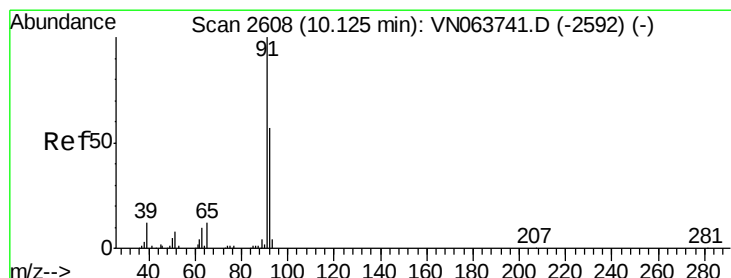
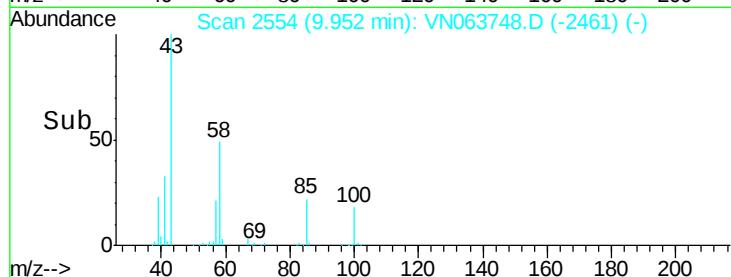
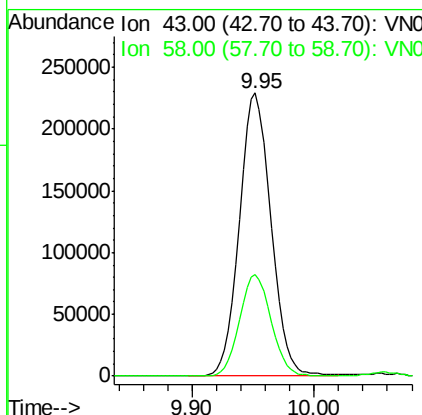
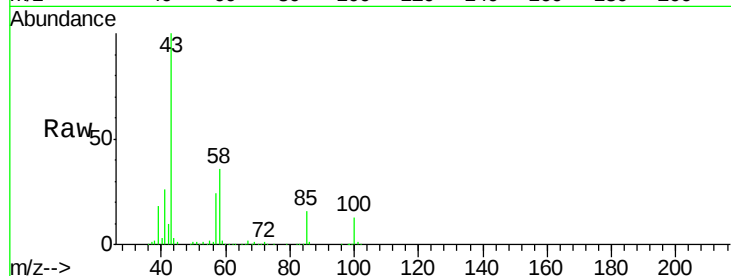
#51
4-Methyl-2-Pentanone
Concen: 101.948 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
VN0930MBS01

Tot Ion	43	Resp	408248
Ion Ratio	100	Lower	Upper
58	36.0	28.4	42.6

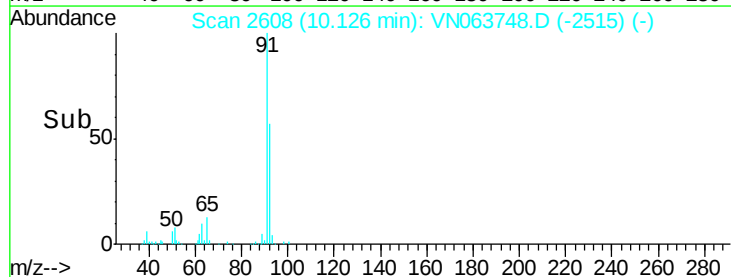
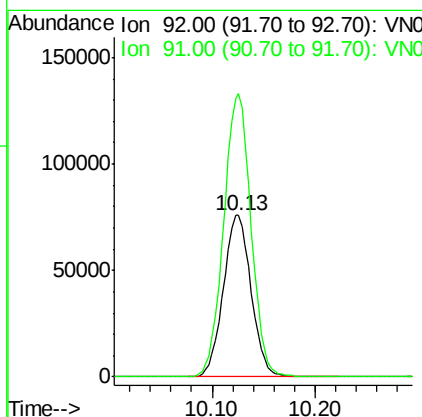
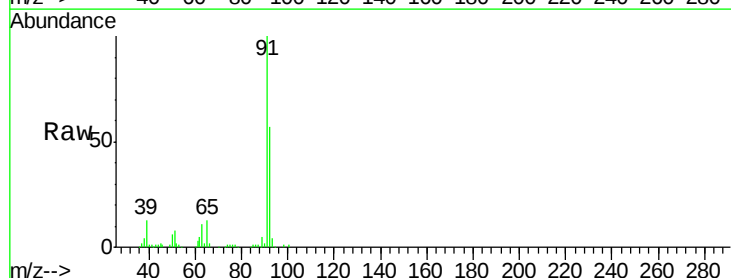
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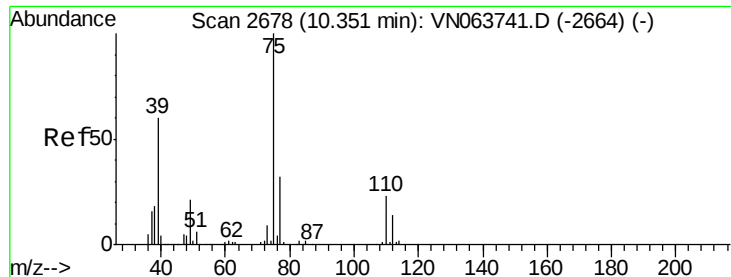
MMDadoda
10/1/2020 2:40:29 PM



#52
Toluene
Concen: 19.378 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	92	Resp	142552
Ion Ratio	100	Lower	Upper
91	172.1	140.6	210.8





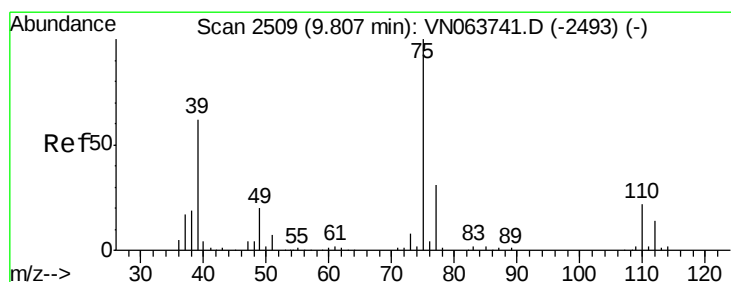
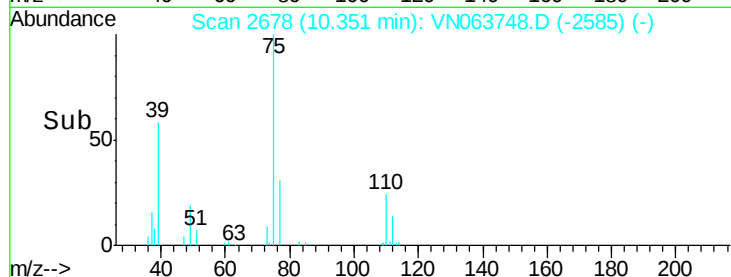
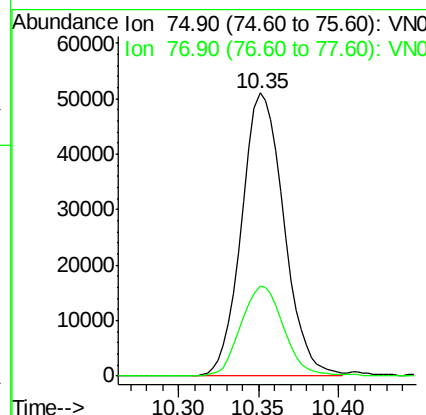
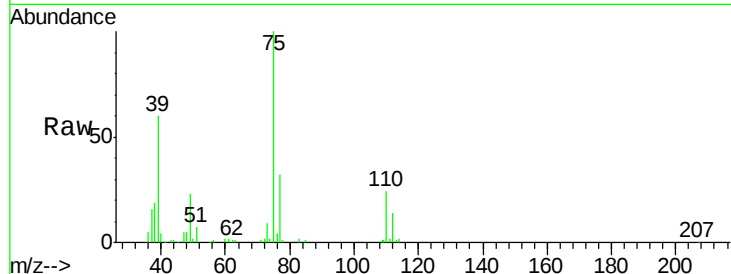
#53
t-1,3-Dichloropropene
Concen: 18.837 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

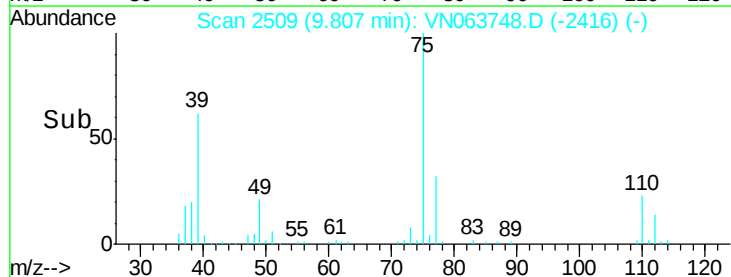
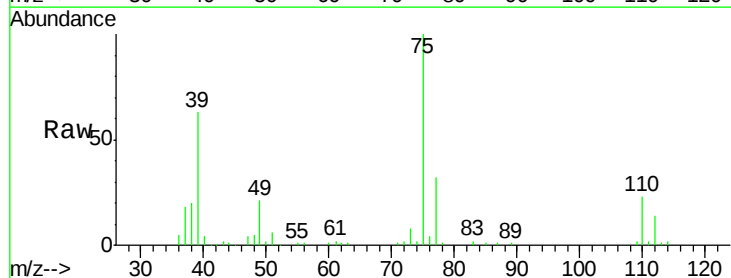
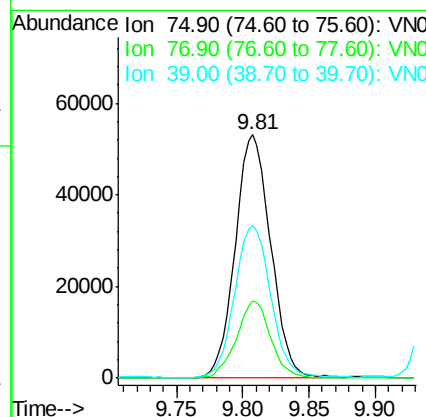
Manual Integrations
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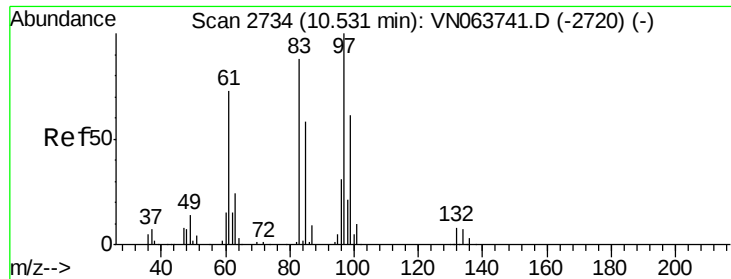
MMDadoda
10/1/2020 2:40:29 PM



#54
cis-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	62.3	49.7	74.5





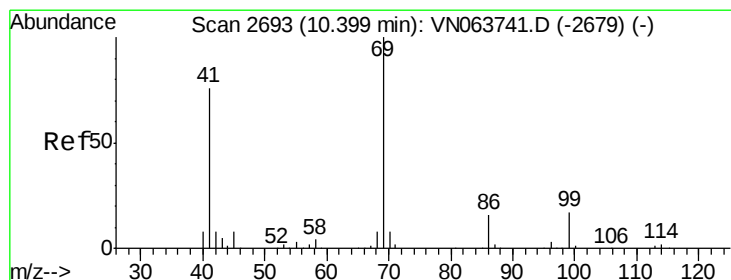
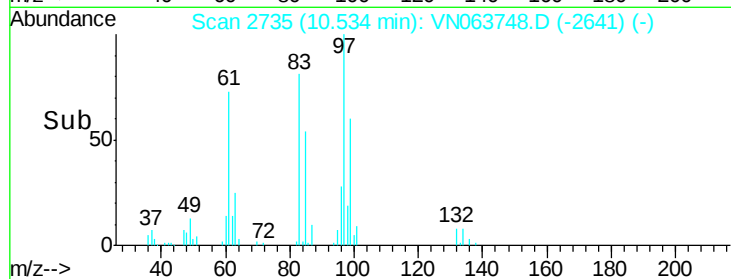
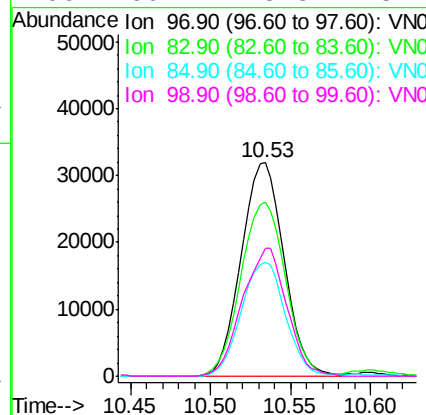
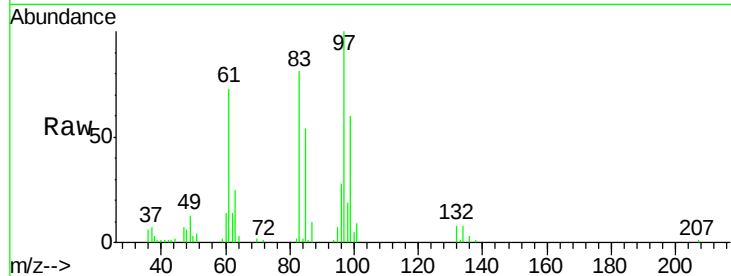
#55
 1,1,2-Trichloroethane
 Concen: 19.774 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion:	97	Resp:	58337
Ion	Ratio	Lower	Upper
97	100		
83	81.4	70.7	106.1
85	53.6	46.1	69.1
99	60.1	48.8	73.2

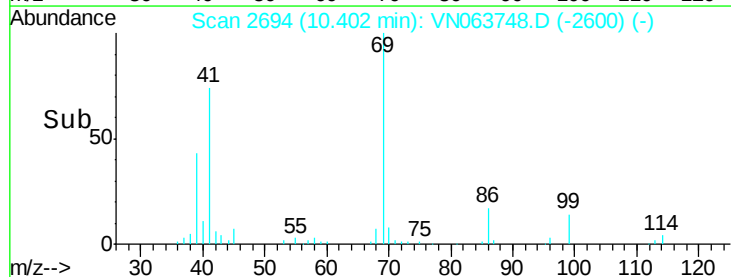
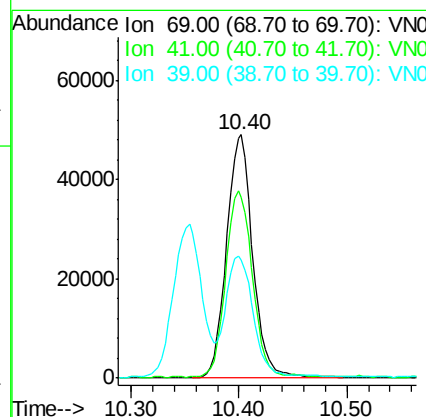
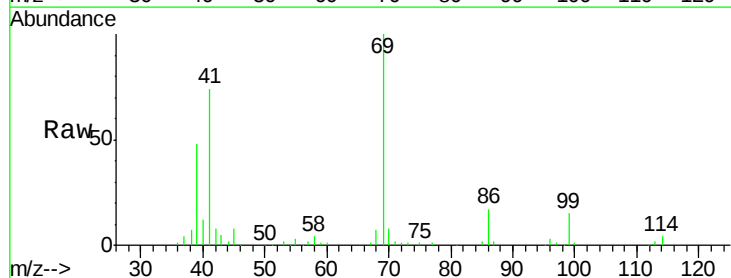
Manual Integrations
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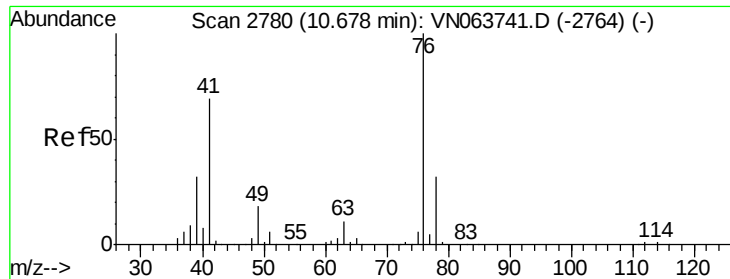
MMDadoda
 10/1/2020 2:40:29 PM



#56
 Ethyl methacrylate
 Concen: 19.882 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion:	69	Resp:	83142
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.1	91.7
39	51.8	42.2	63.4





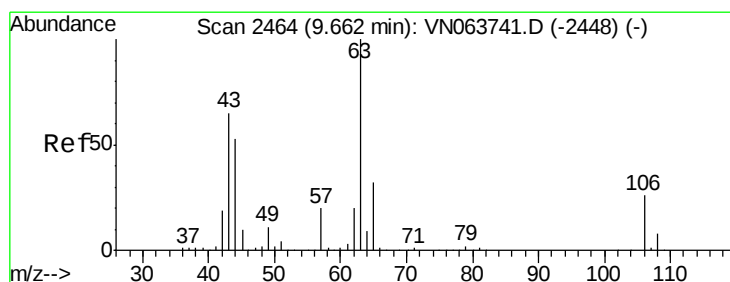
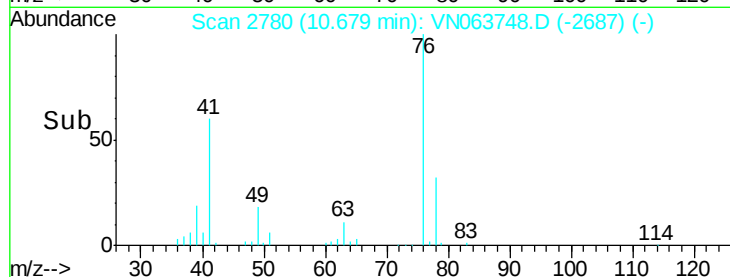
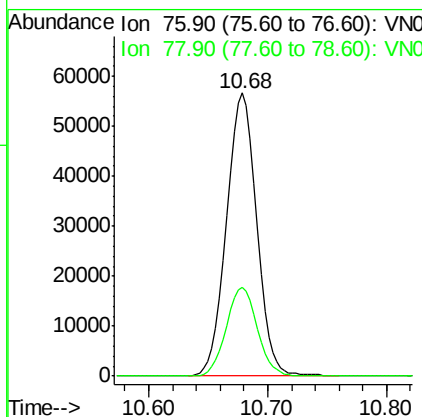
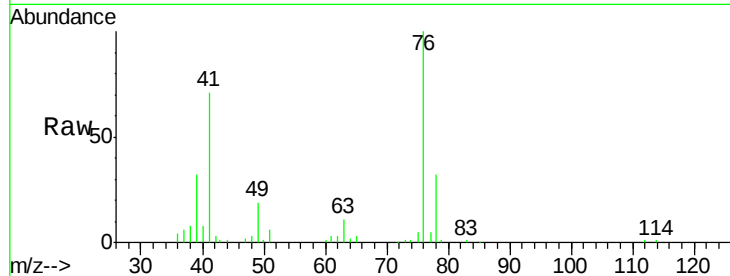
#57
 1,3-Dichloropropane
 Concen: 20.009 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion: 76 Resp: 99871
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

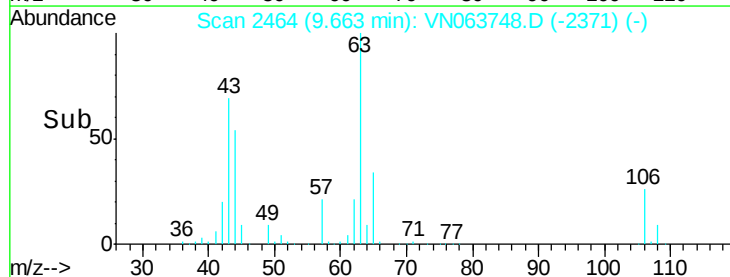
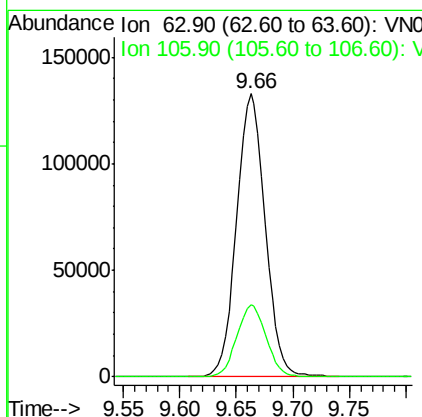
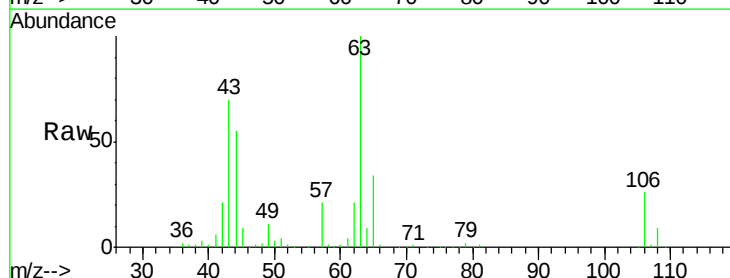
Manual Integrations
 APPROVED

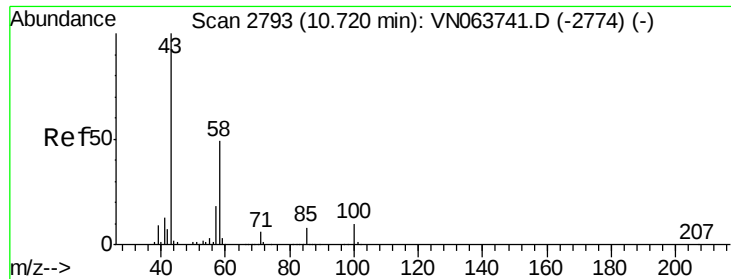
MMDadoda
 10/1/2020 2:40:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.925 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion: 63 Resp: 234703
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1





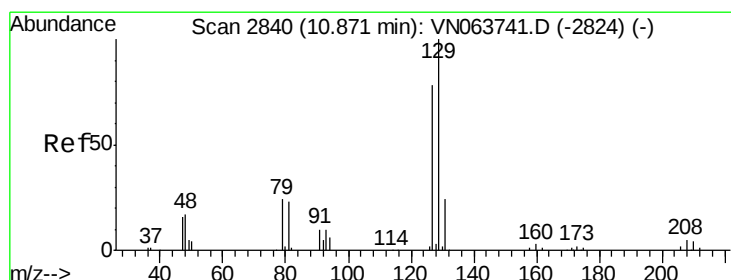
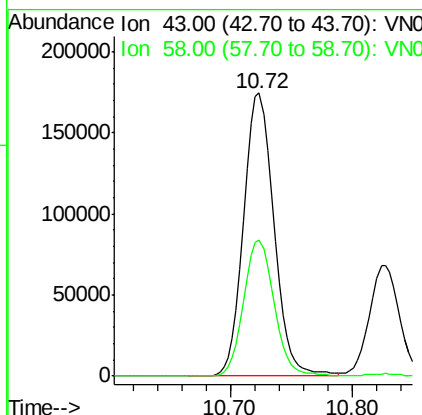
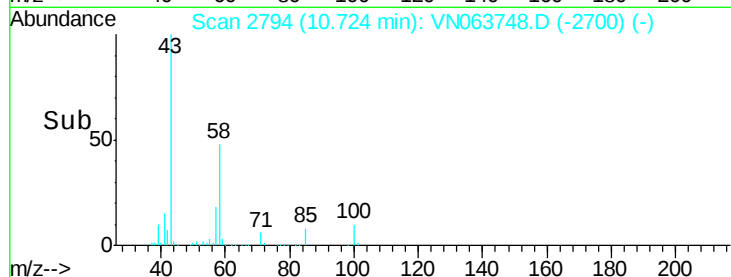
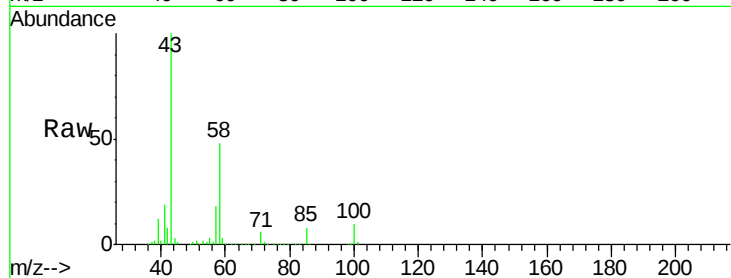
#59
2-Hexanone
Concen: 100.377 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.6	73.8

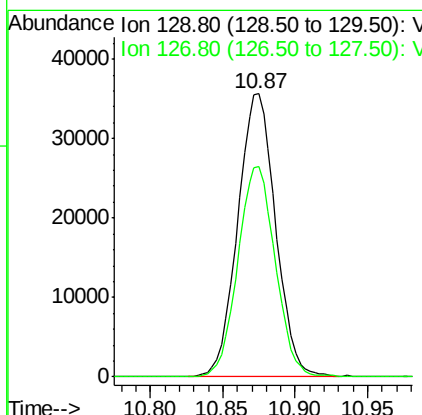
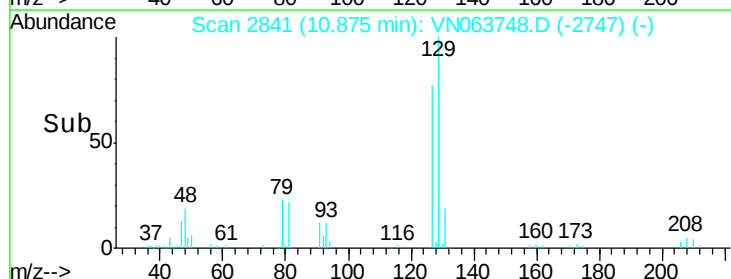
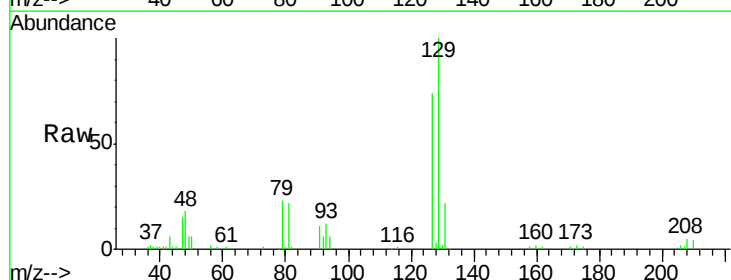
Manual Integrations
APPROVED

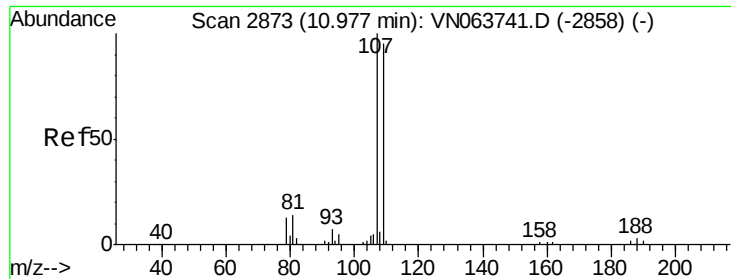
MMDadoda
10/1/2020 2:40:29 PM



#60
Dibromochloromethane
Concen: 18.799 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.6	38.9	116.7





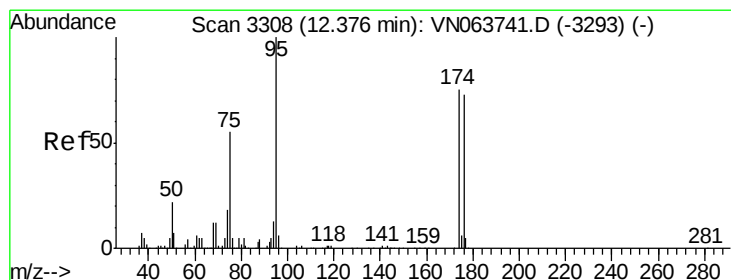
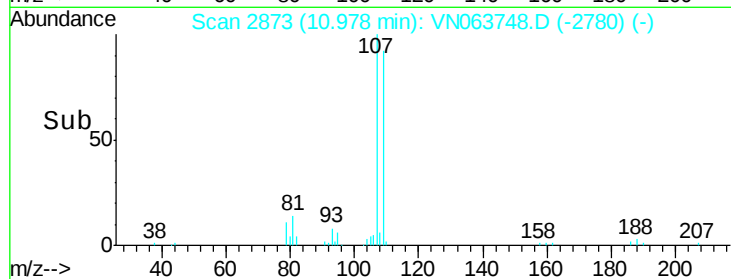
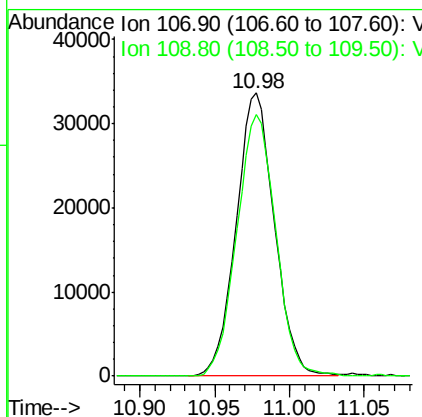
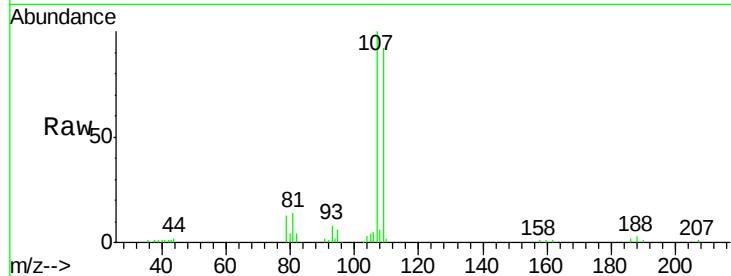
#61
 1,2-Dibromoethane
 Concen: 19.834 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.8	112.2

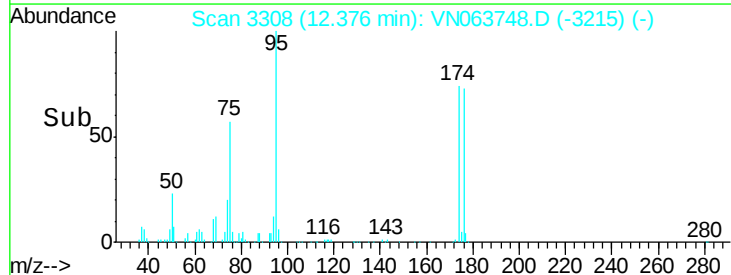
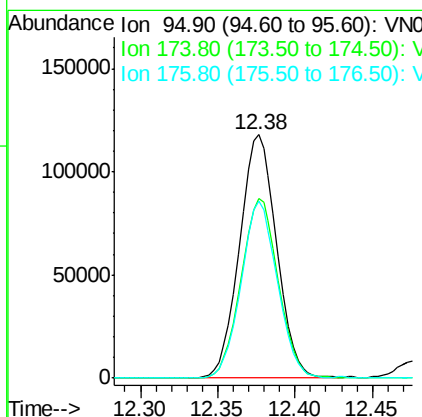
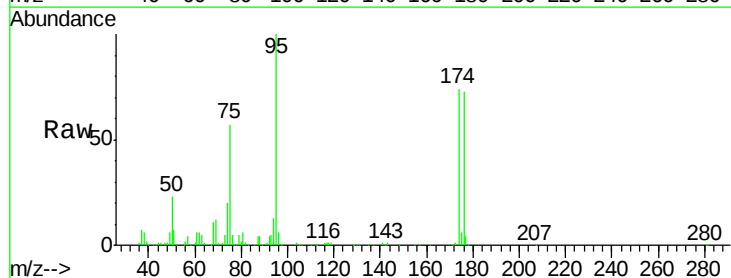
Manual Integrations
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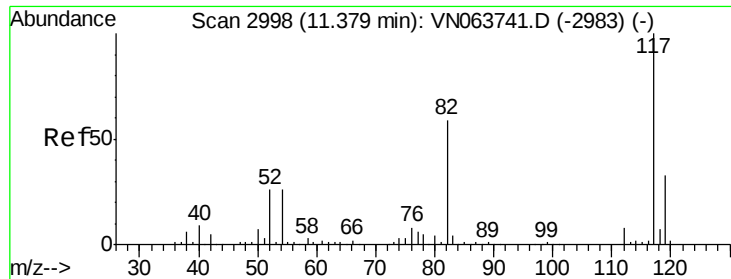
MMDadoda
 10/1/2020 2:40:29 PM



#62
 4-Bromofluorobenzene
 Concen: 48.430 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.6
176	70.9	0.0	145.4





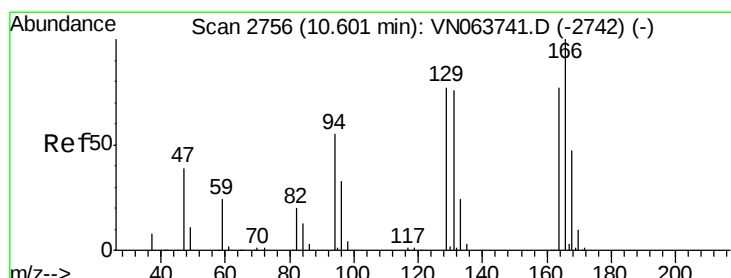
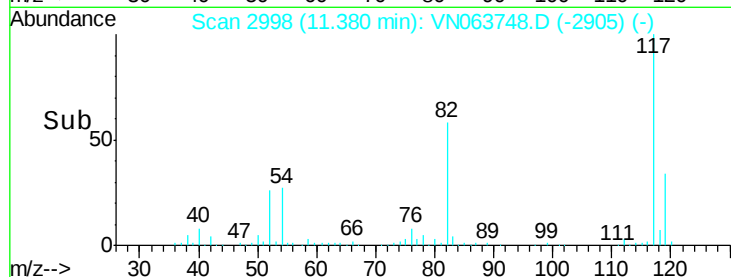
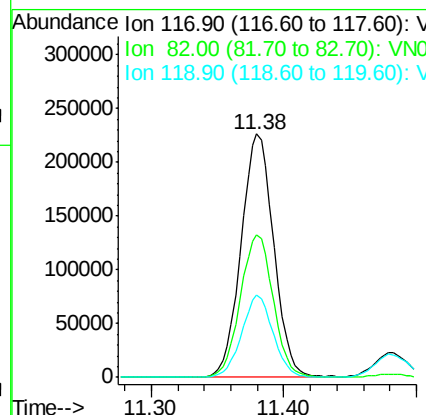
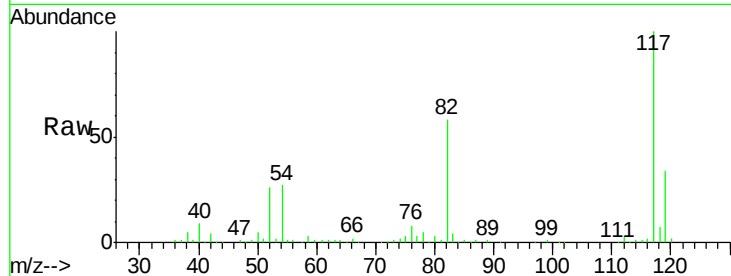
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.2
119	33.6	26.4	39.6

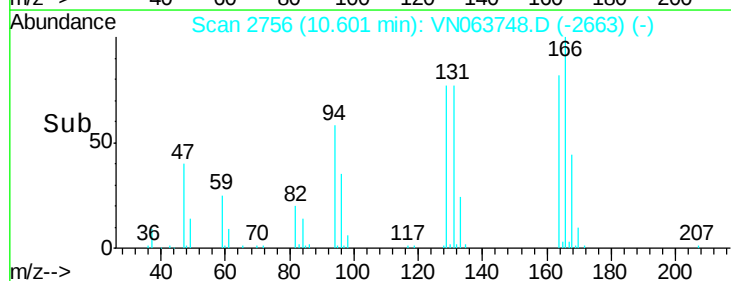
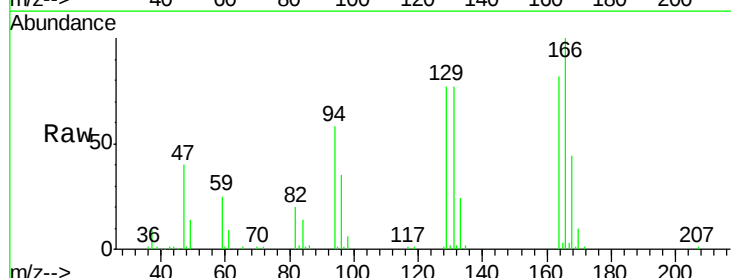
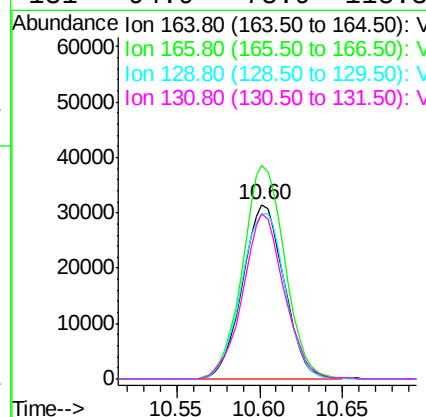
Manual Integrations
APPROVED

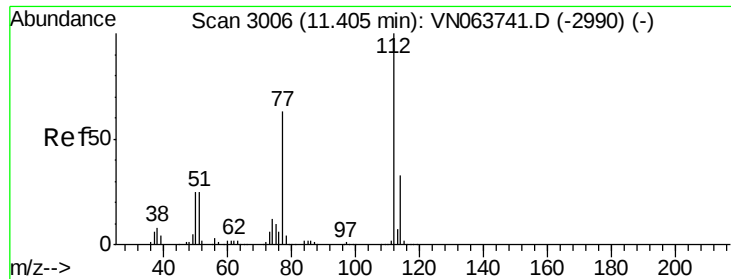
MMDadoda
10/1/2020 2:40:29 PM



#64
Tetrachloroethene
Concen: 18.371 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	103.9	155.9
129	94.8	80.3	120.5
131	94.9	78.9	118.3





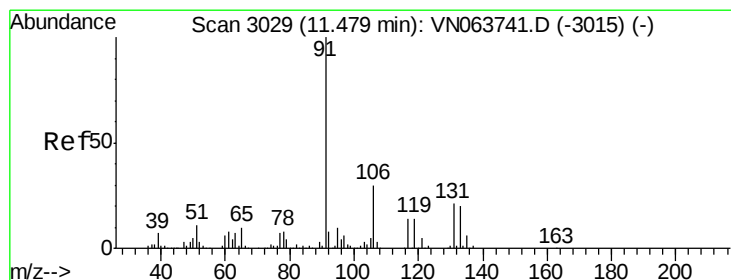
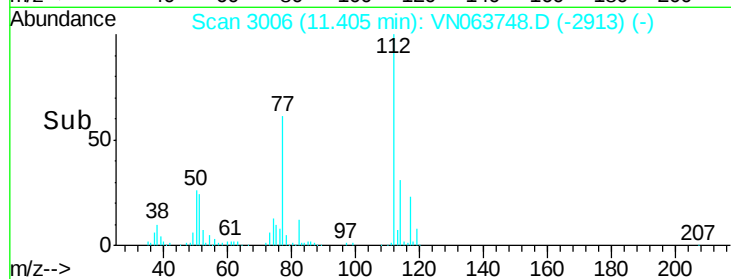
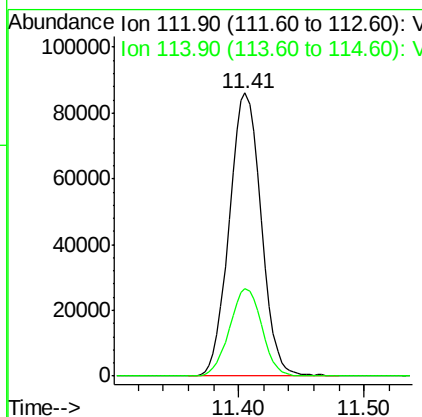
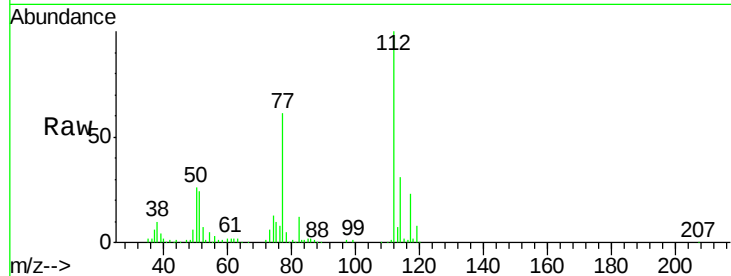
#65
Chlorobenzene
Concen: 19.158 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion:112 Resp: 152248
Ion Ratio Lower Upper
112 100
114 31.0 26.1 39.1

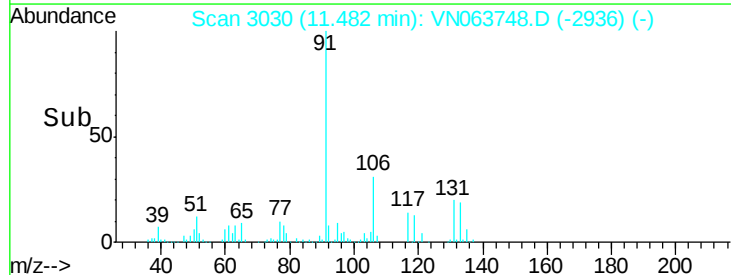
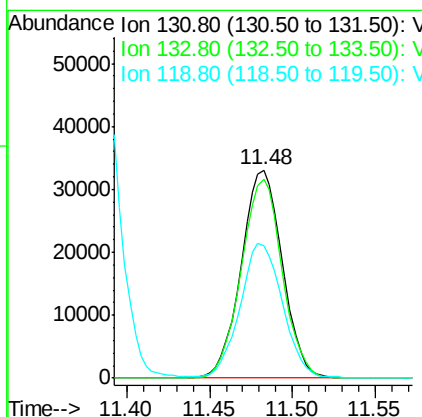
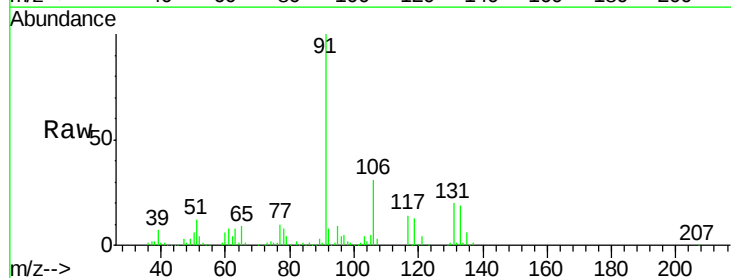
Manual Integrations
APPROVED

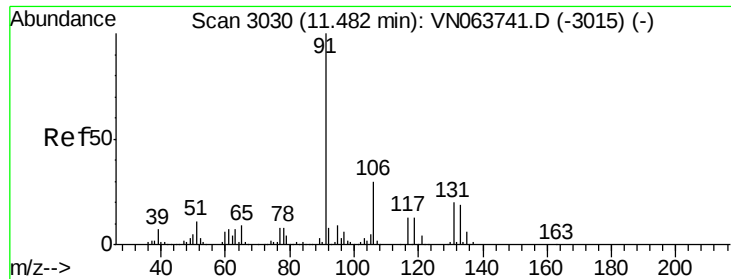
MMDadoda
10/1/2020 2:40:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.703 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion:131 Resp: 56981
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 67.2 32.6 97.7





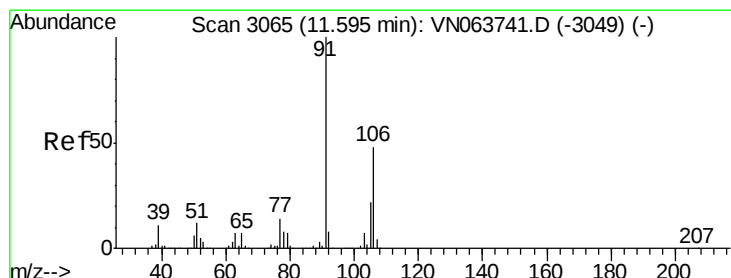
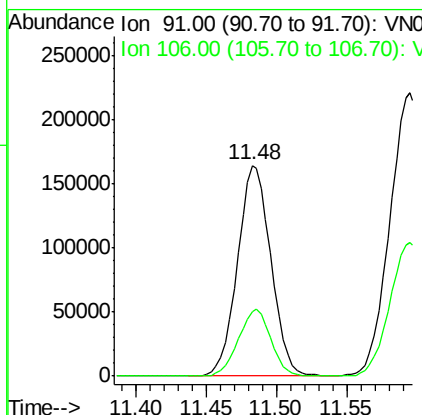
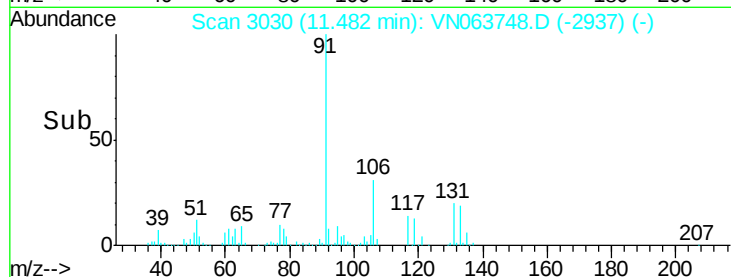
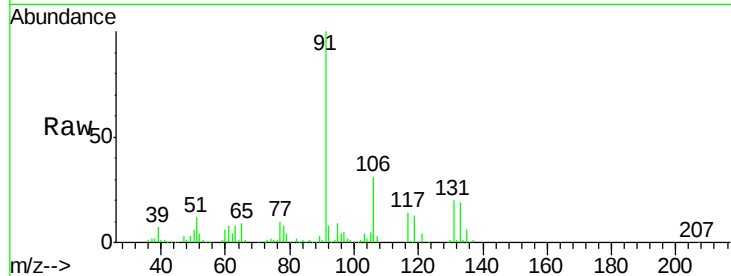
#67
Ethyl Benzene
Concen: 18.886 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion: 91 Resp: 273102
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

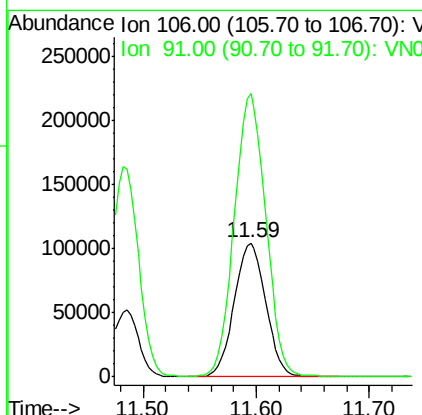
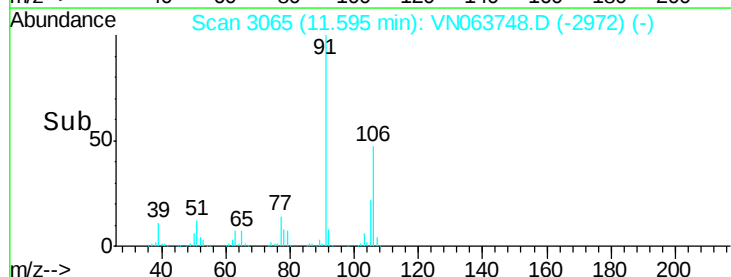
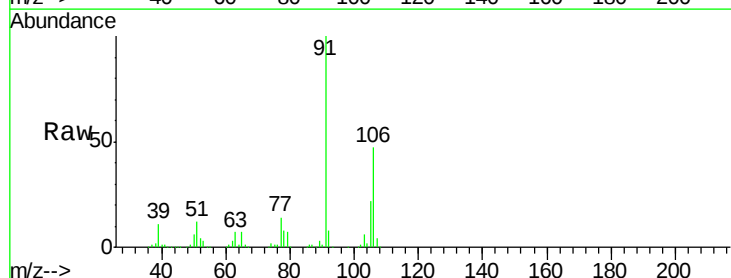
Manual Integrations
APPROVED

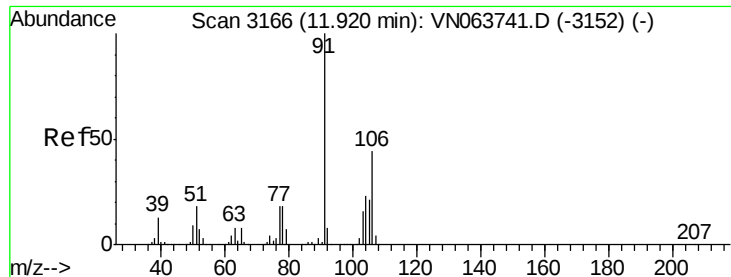
MMDadoda
10/1/2020 2:40:29 PM



#68
m/p-Xylenes
Concen: 37.731 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion: 106 Resp: 203346
Ion Ratio Lower Upper
106 100
91 210.4 168.0 252.0





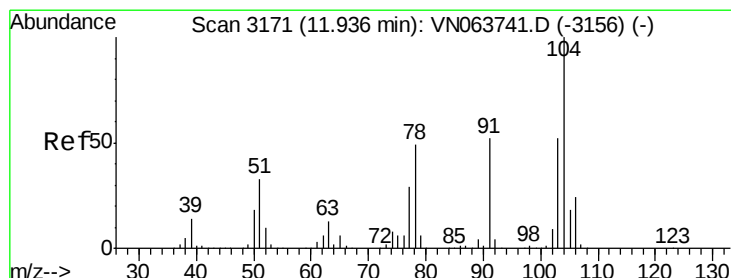
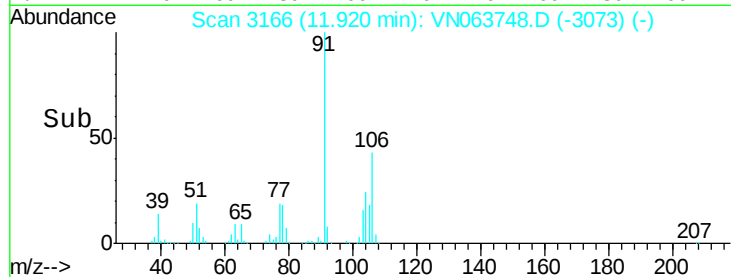
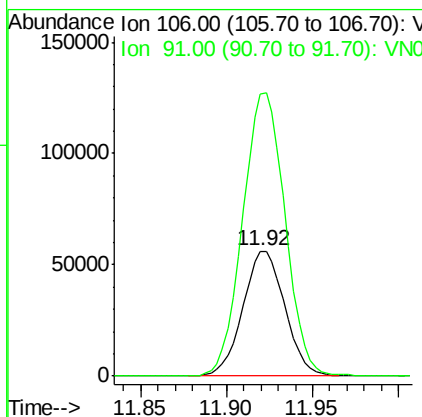
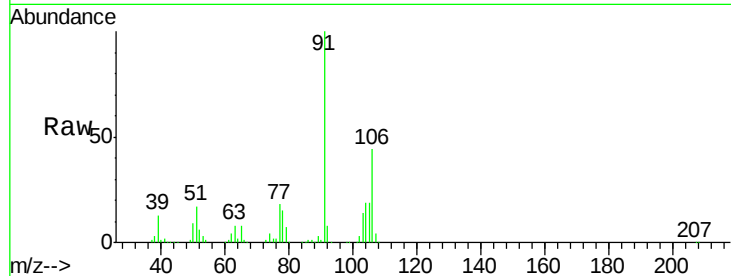
#69
o-Xylene
Concen: 18.855 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
VN0930MBS01

Tot Ion:106 Resp: 94976
Ion Ratio Lower Upper
106 100
91 229.7 112.7 338.0

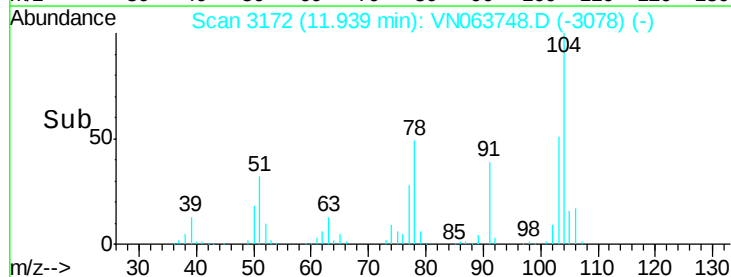
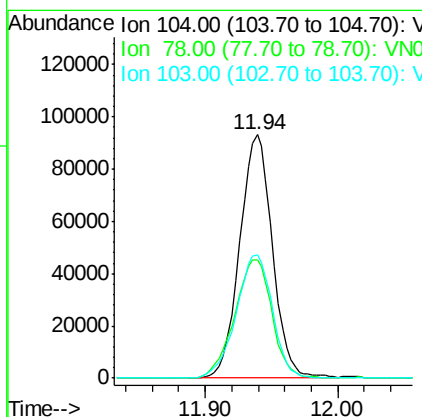
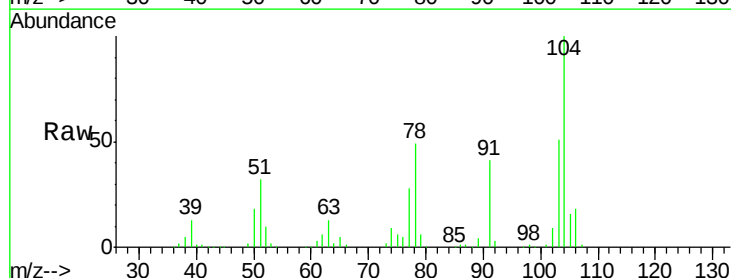
Manual Integrations
APPROVED

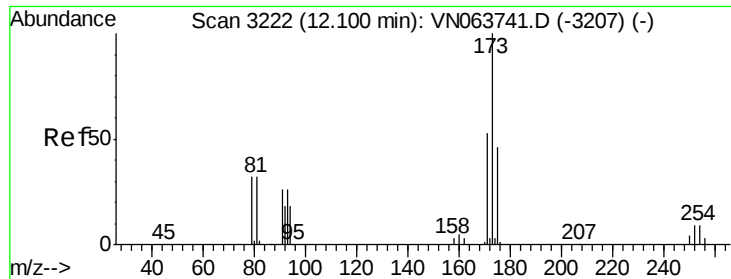
MMDadoda
10/1/2020 2:40:29 PM



#70
Styrene
Concen: 18.635 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion:104 Resp: 159340
Ion Ratio Lower Upper
104 100
78 55.6 44.1 66.1
103 56.0 44.3 66.5





#71

Bromoform

Concen: 18.114 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

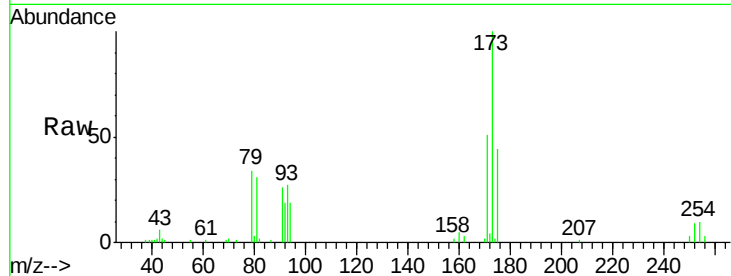
VN0930MBS01

Tot Ion:173 Resp: 42206

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

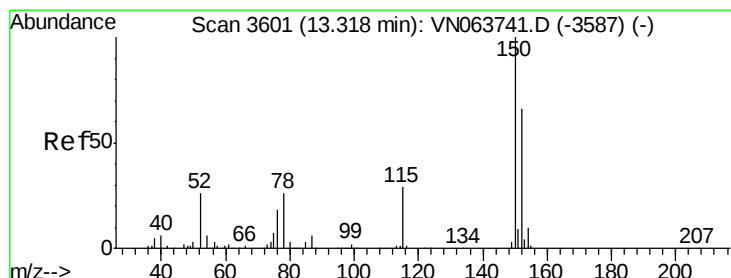
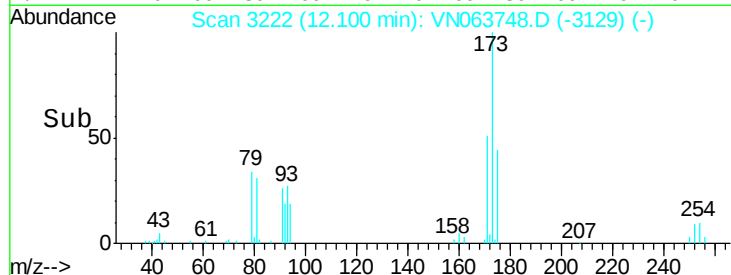
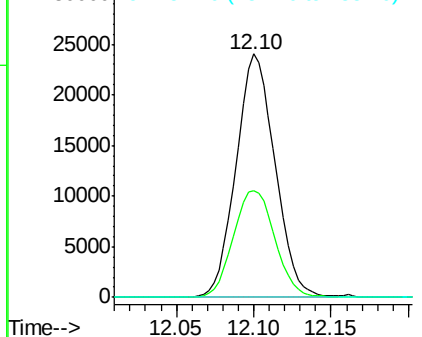
MMDadoda
10/1/2020 2:40:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

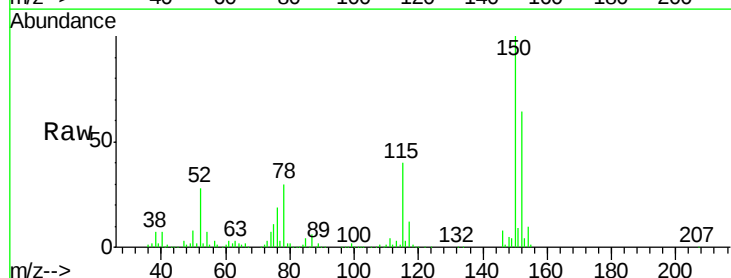
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:152 Resp: 184223

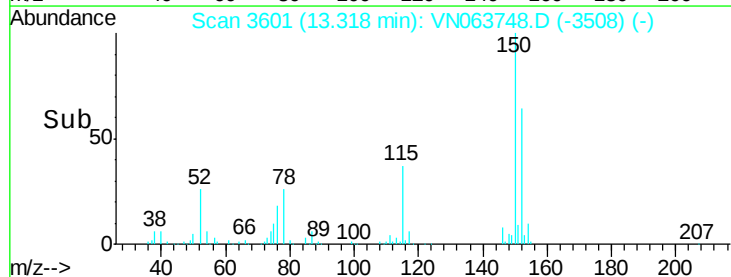
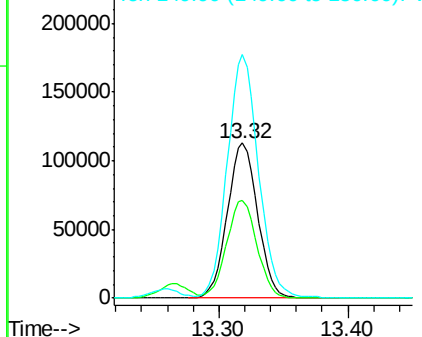
Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.8
150	161.0	0.0	341.8

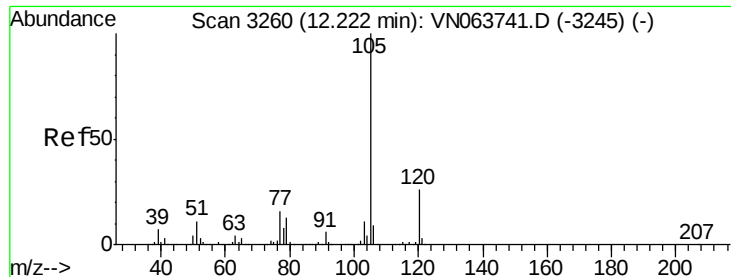


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.346 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion: 105 Resp: 259949

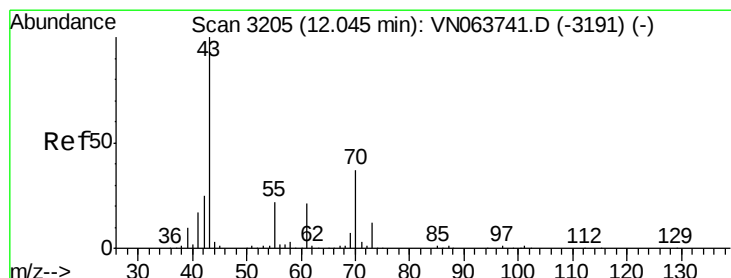
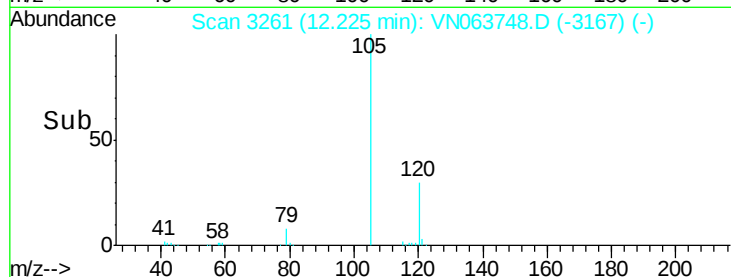
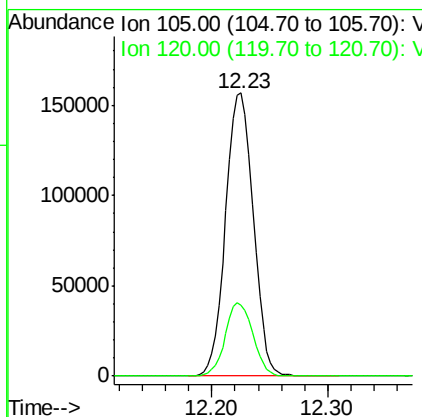
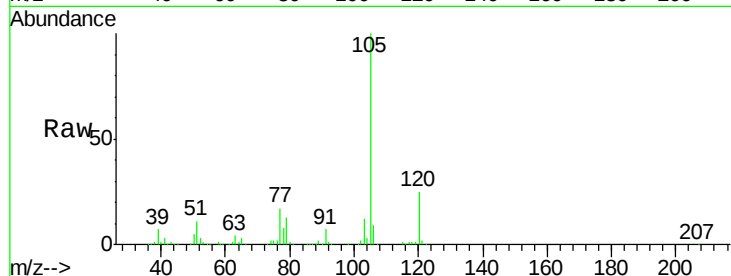
Ion Ratio Lower Upper

105 100

120 25.8 12.6 37.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.526 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion: 43 Resp: 113118

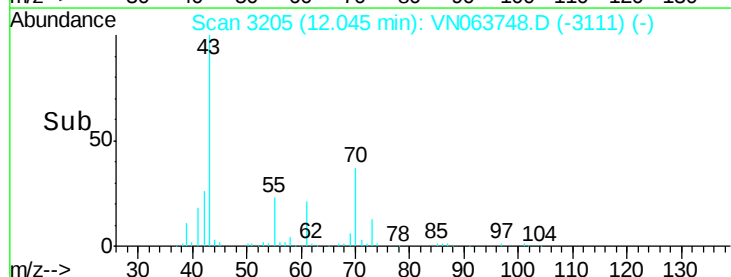
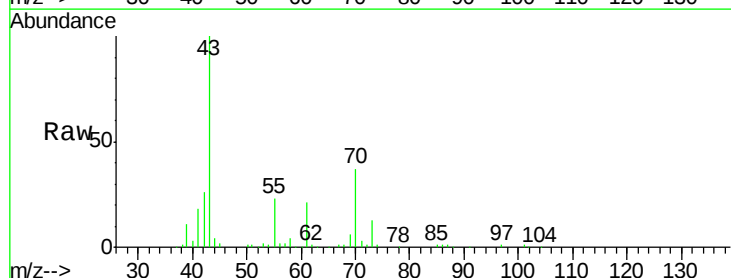
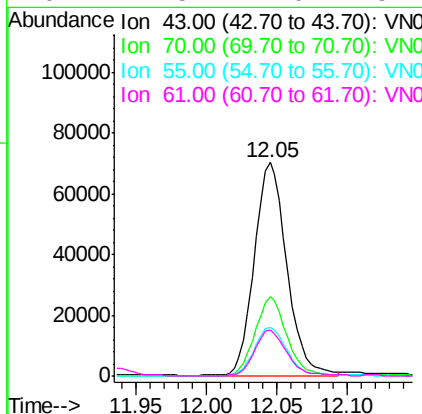
Ion Ratio Lower Upper

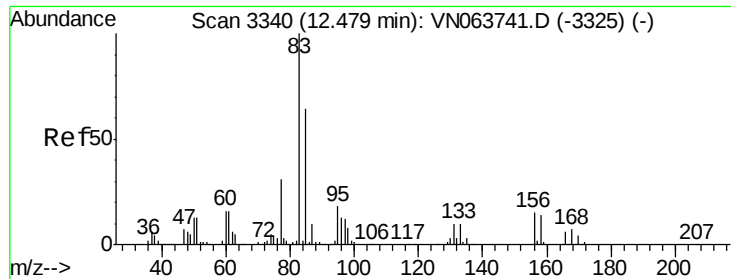
43 100

70 36.9 29.8 44.8

55 23.3 17.9 26.9

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.909 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

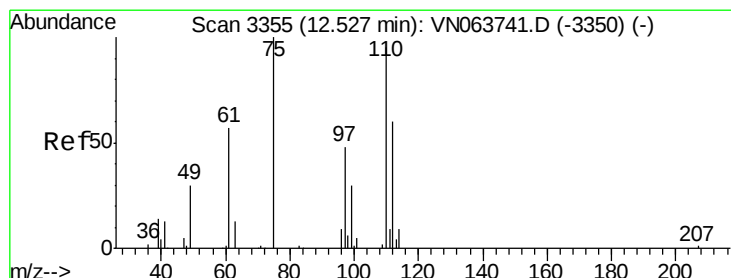
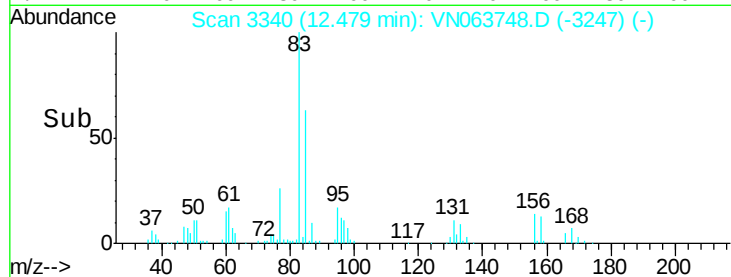
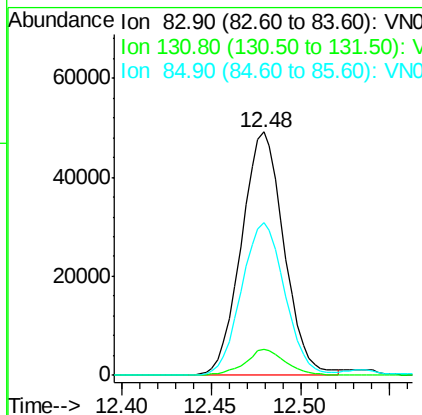
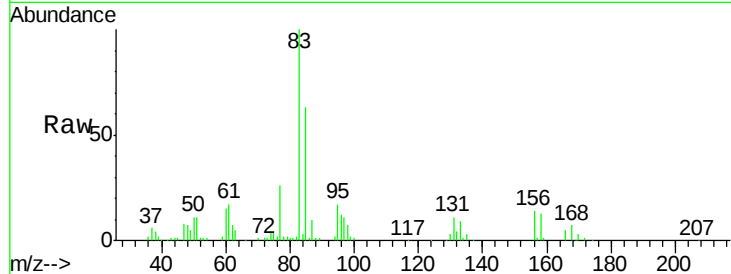
ClientSampleId :

VN0930MBS01

Tot Ion:	83	Resp:	81806
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	63.9	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.444 ug/l m

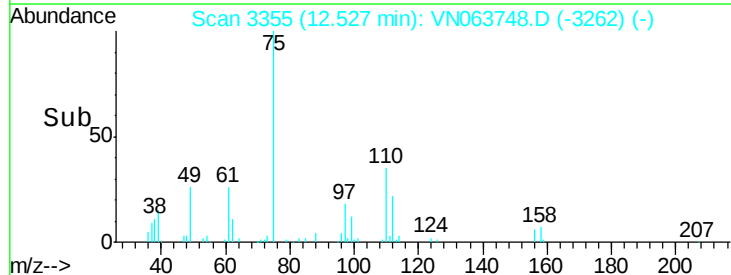
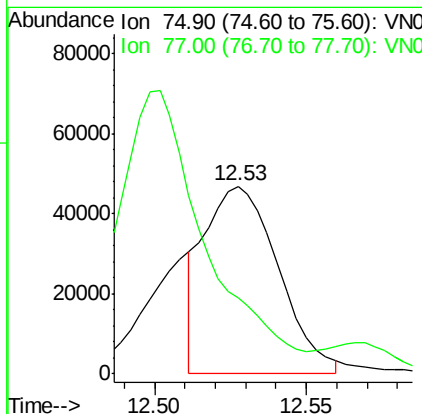
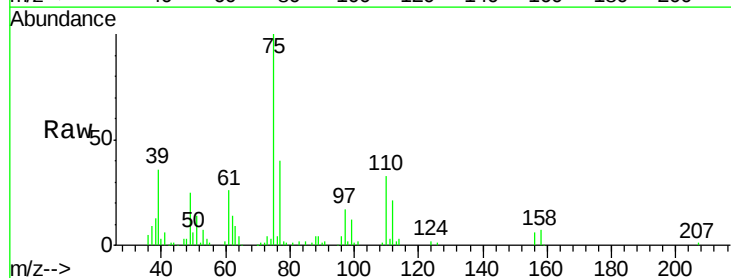
RT: 12.53 min Scan# 3355

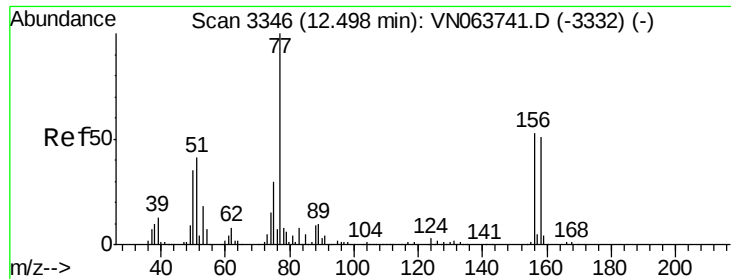
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	75	Resp:	78963
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.547 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion:156 Resp: 64450

Ion Ratio Lower Upper

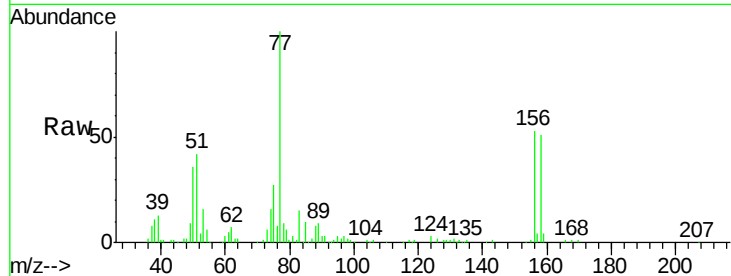
156 100

77 223.8 110.9 332.7

158 95.3 47.7 143.1

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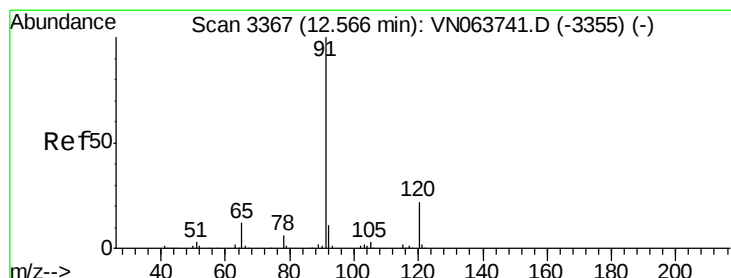
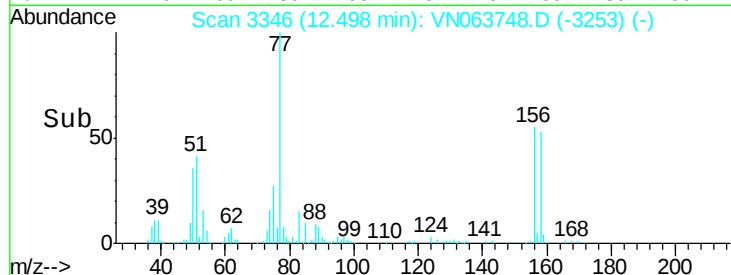
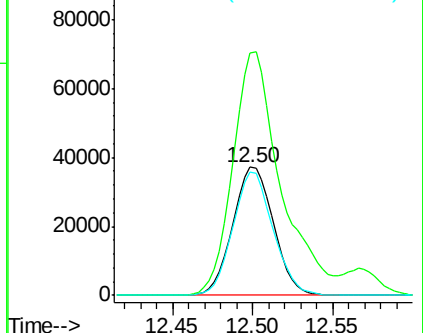
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.233 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063748.D

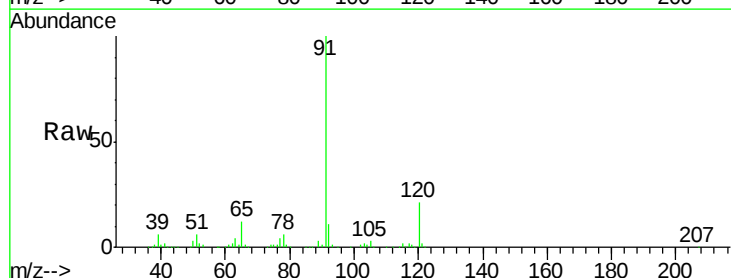
Acq: 30 Sep 2020 14:44

Tgt Ion: 91 Resp: 300765

Ion Ratio Lower Upper

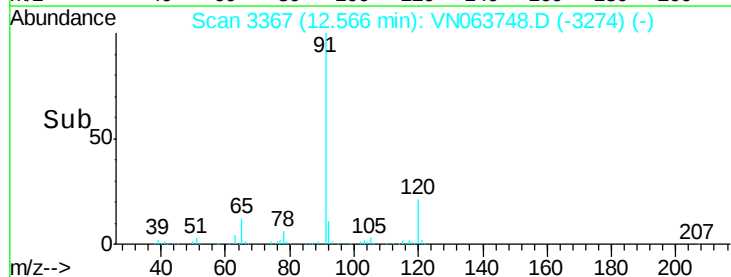
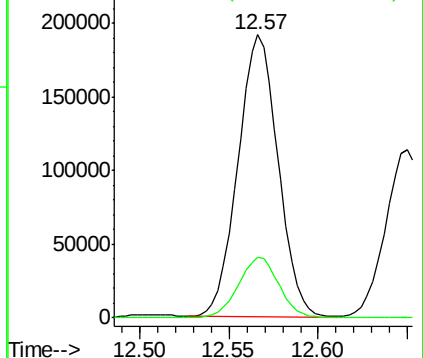
91 100

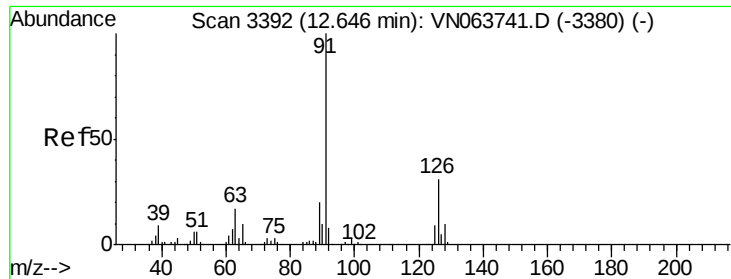
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.182 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion: 91 Resp: 184487

Ion Ratio Lower Upper

91 100

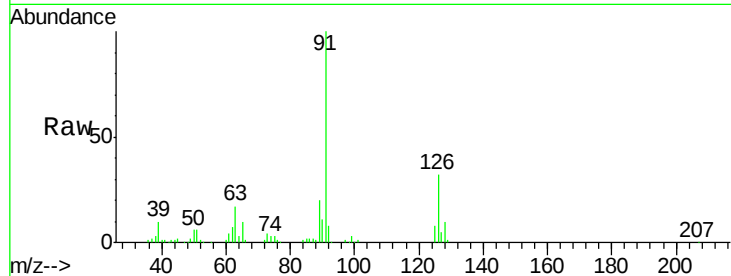
126 32.3 15.9 47.7

Manual Integrations

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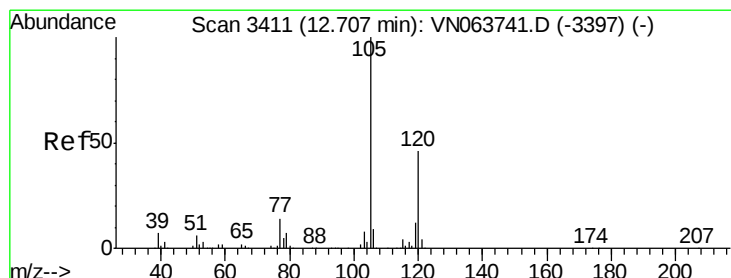
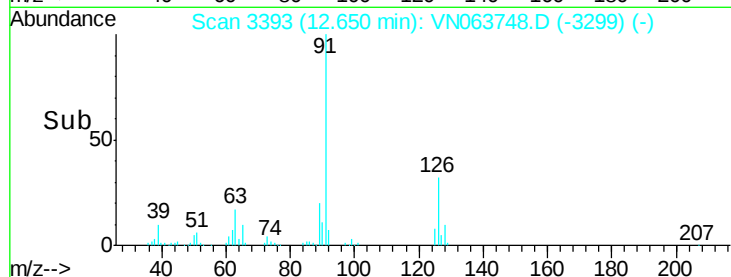
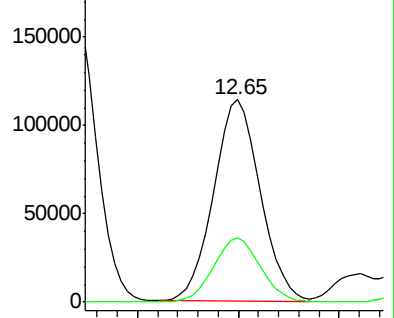
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Abundance Ion 91.00 (90.70 to 91.70): VN063748.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN063748.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.461 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063748.D

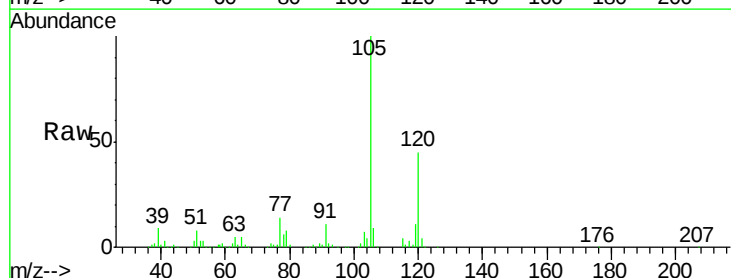
Acq: 30 Sep 2020 14:44

Tgt Ion: 105 Resp: 219381

Ion Ratio Lower Upper

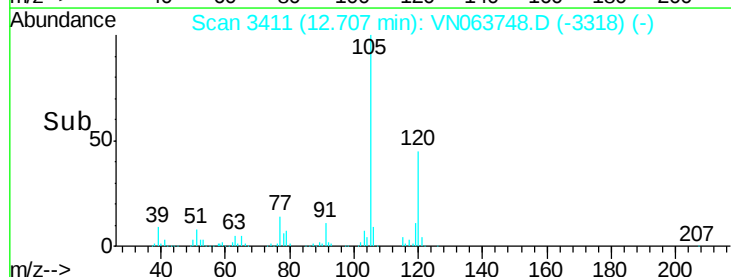
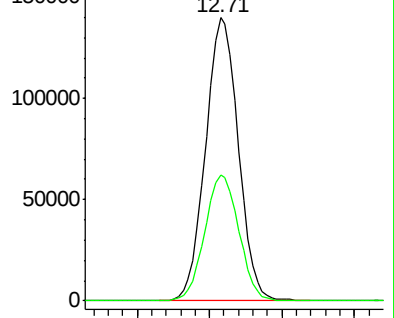
105 100

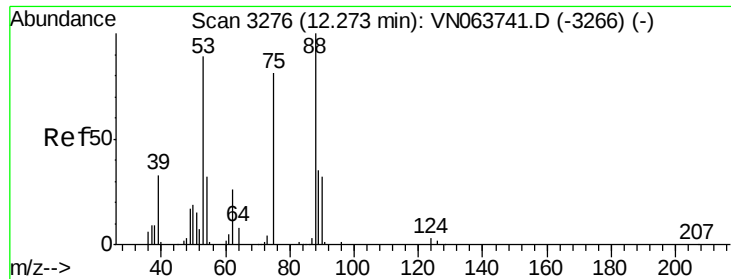
120 46.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063748.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN063748.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.530 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

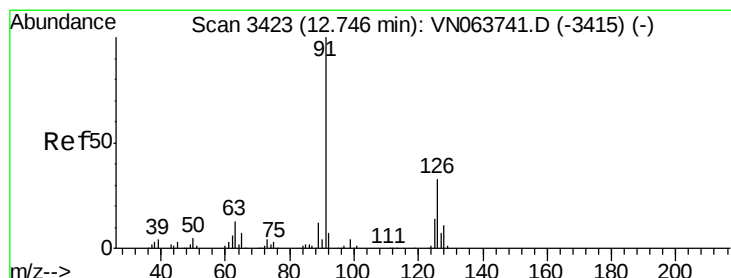
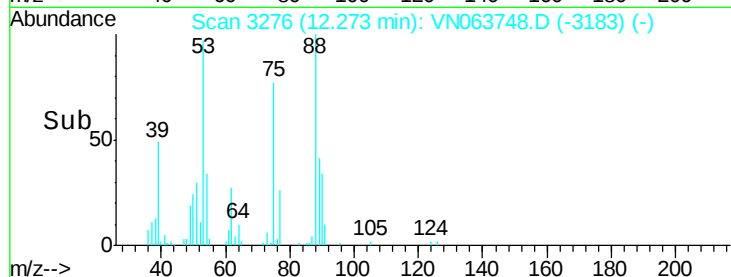
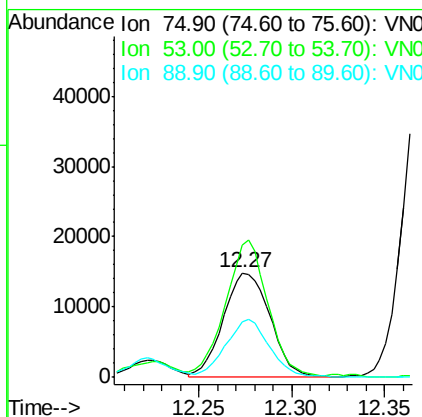
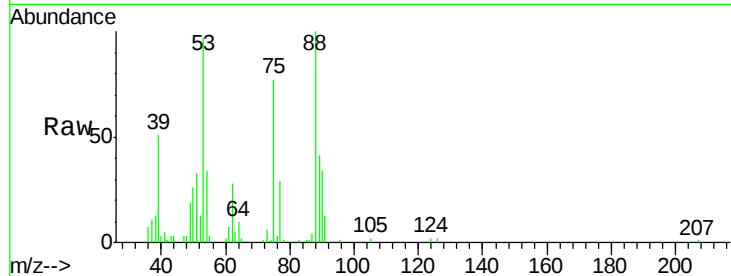
ClientSampleId :

VN0930MBS01

Tot Ion:	75	Resp:	26127
Ion	Ratio	Lower	Upper
75	100		
53	115.5	88.2	132.2
89	51.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.389 ug/l

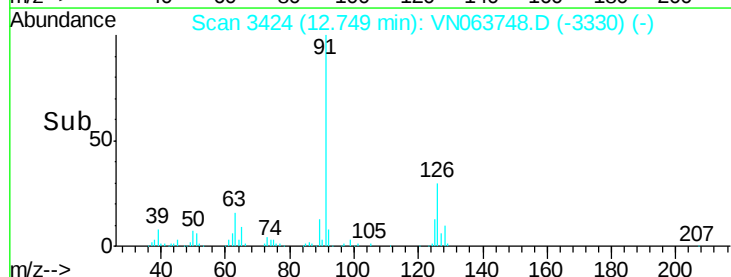
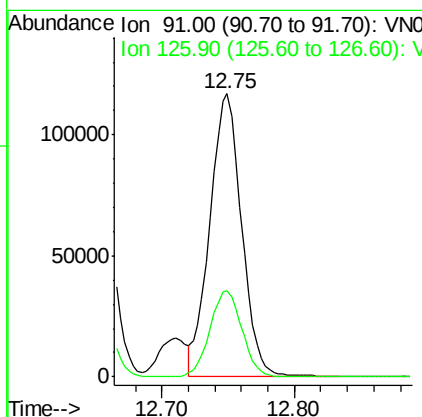
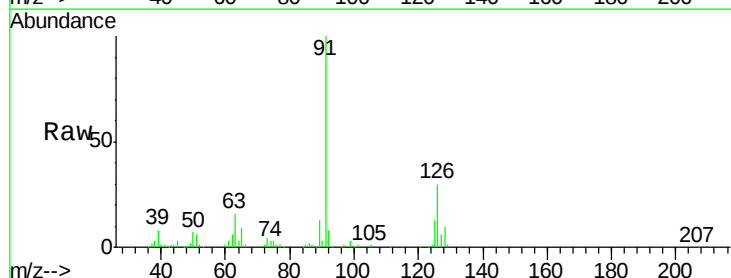
RT: 12.75 min Scan# 3424

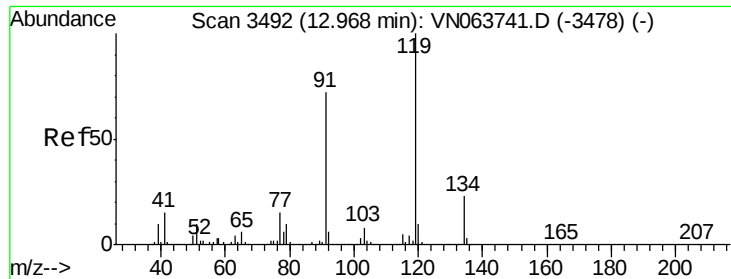
Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	91	Resp:	193584
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2





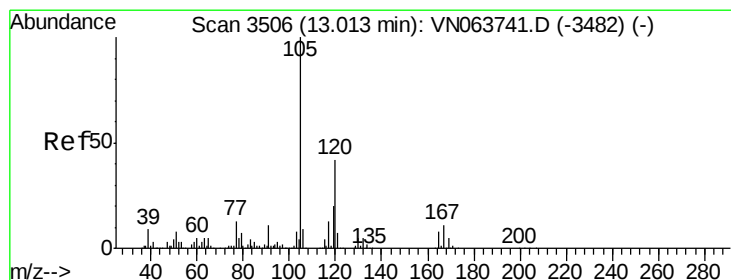
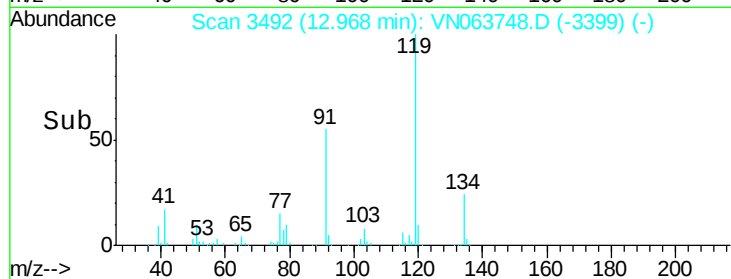
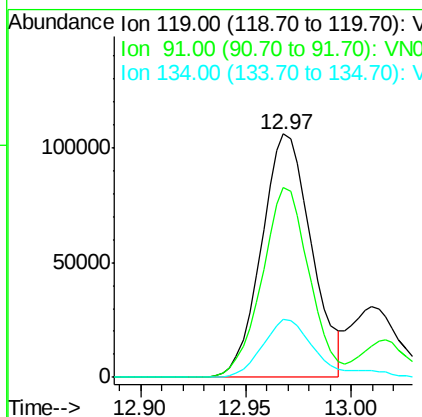
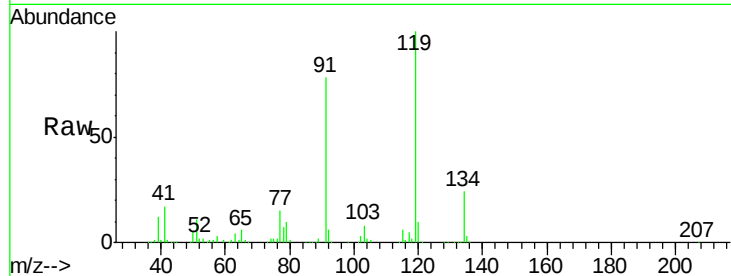
#83
 tert-Butylbenzene
 Concen: 18.918 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.1	35.5	106.5
134	24.5	11.7	35.1

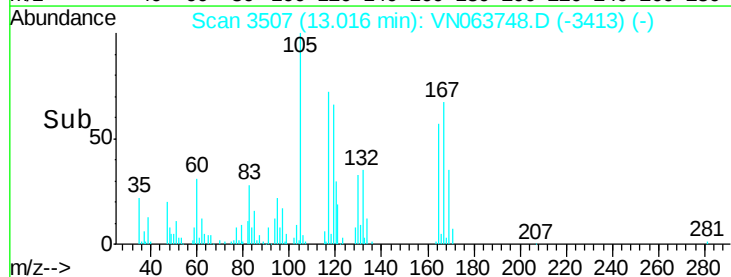
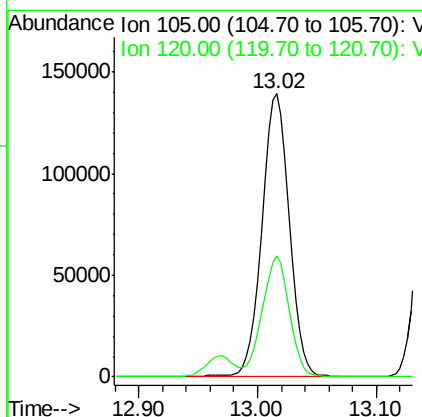
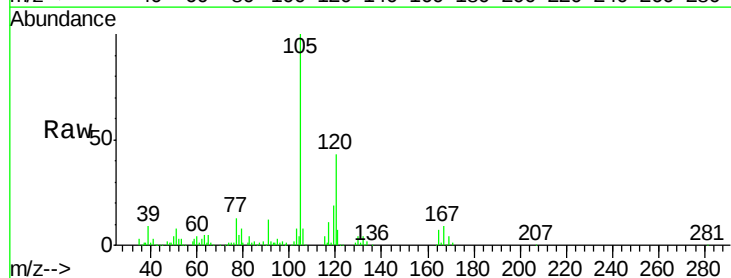
Manual Integrations
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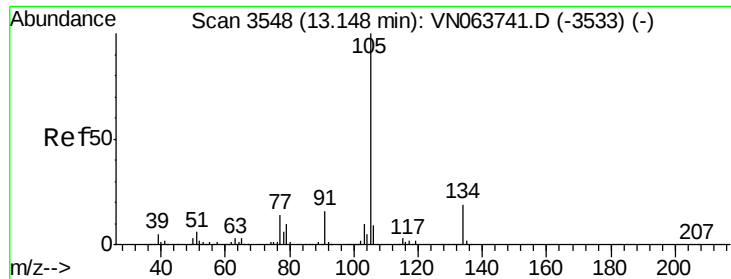
MMDadoda
 10/1/2020 2:40:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.755 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	20.9	62.7





#85

sec-Butylbenzene

Concen: 19.382 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBS01

Tot Ion:105 Resp: 234744

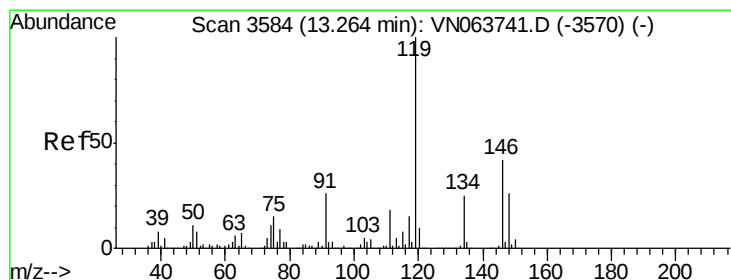
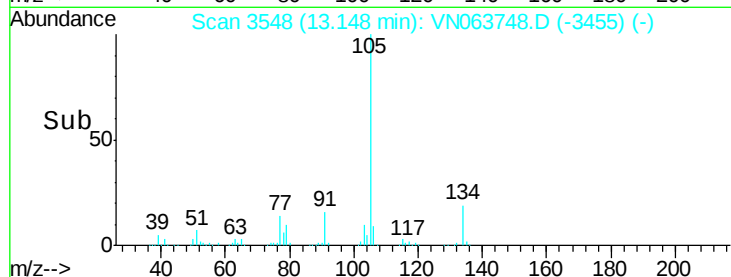
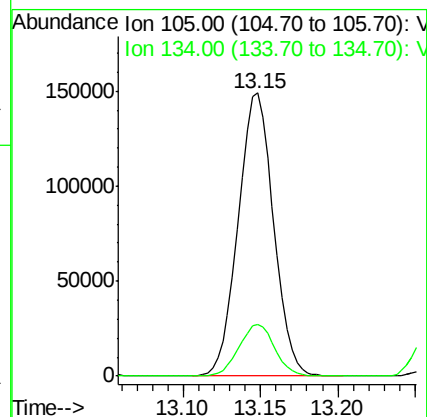
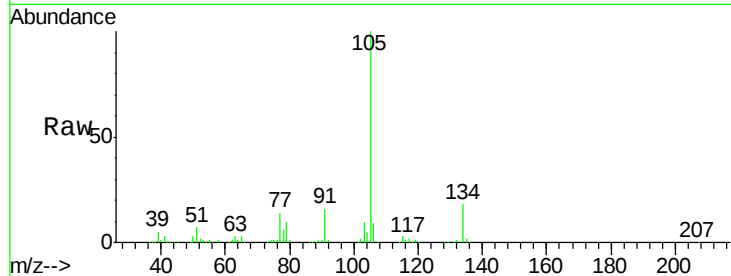
Ion Ratio Lower Upper

105 100

134 18.4 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.505 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

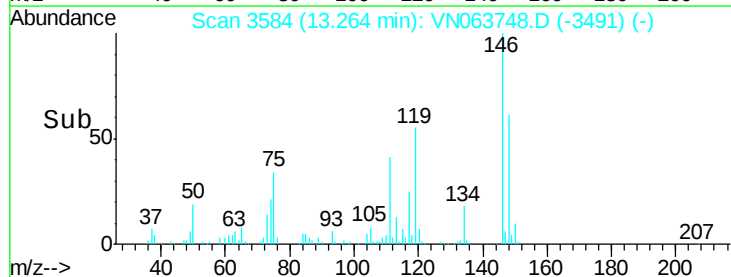
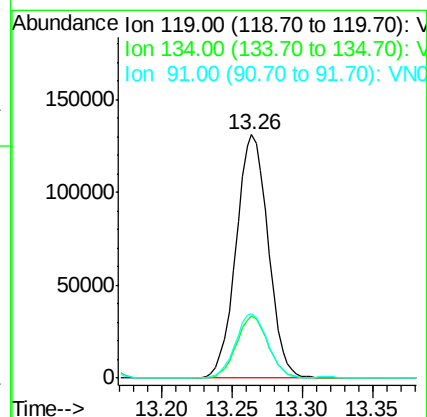
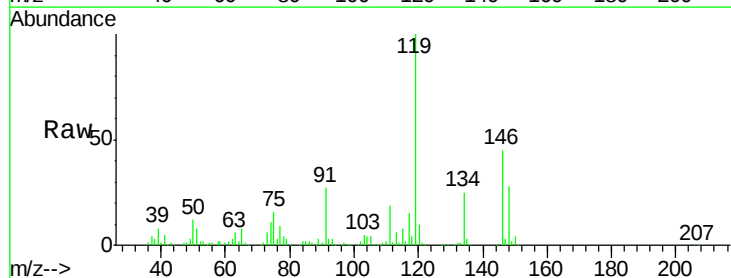
Tgt Ion:119 Resp: 208980

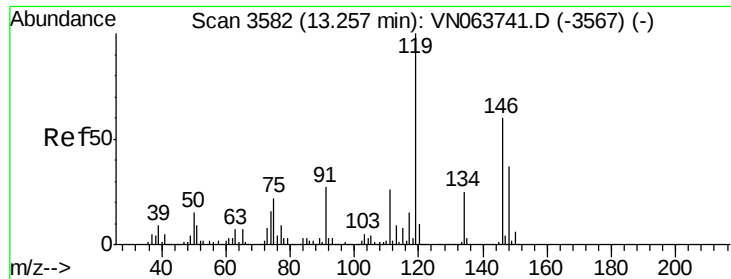
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 26.3 13.4 40.2





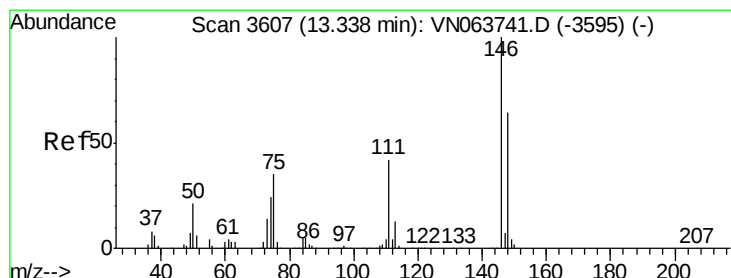
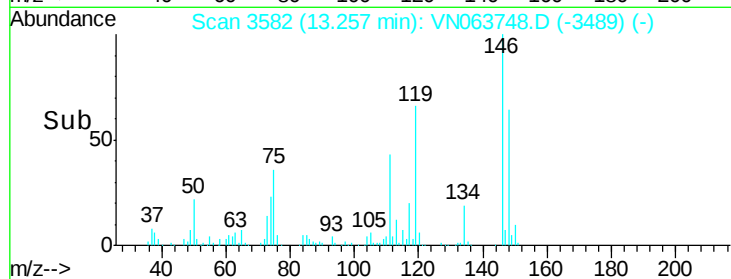
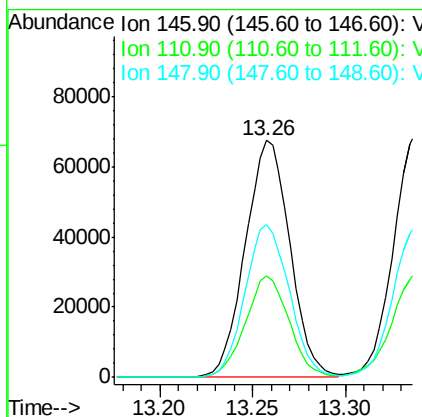
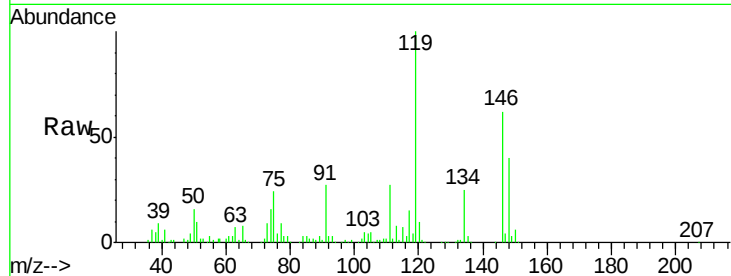
#87
 1,3-Dichlorobenzene
 Concen: 18.918 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112845		
111	42.0	21.5	64.5	
148	64.0	31.1	93.3	

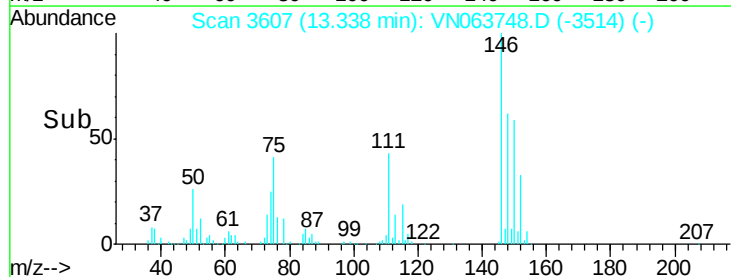
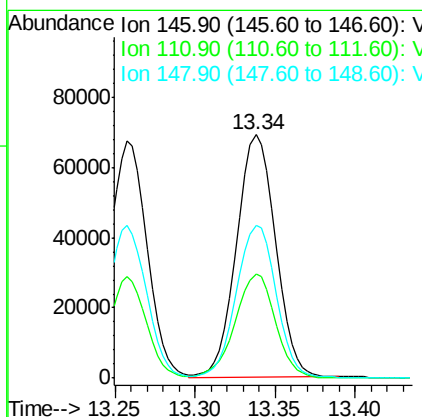
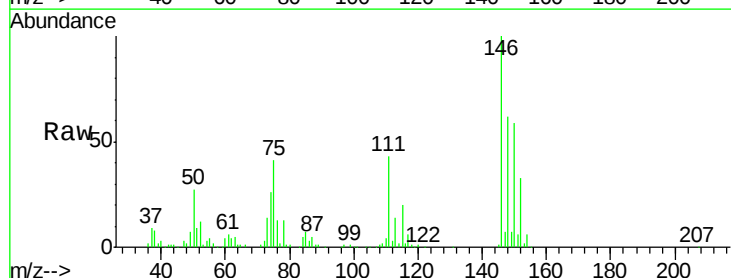
Manual Integrations
 APPROVED

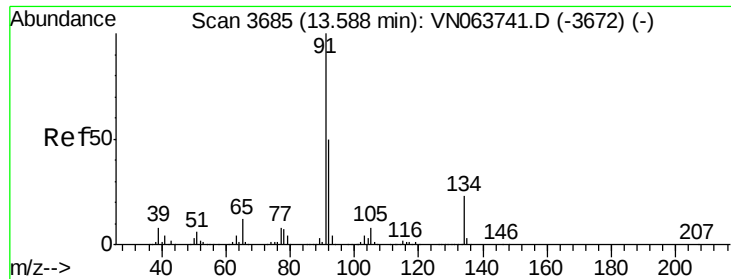
MMDadoda
 10/1/2020 2:40:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.497 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114881		
111	44.0	21.3	63.7	
148	63.9	32.0	96.0	





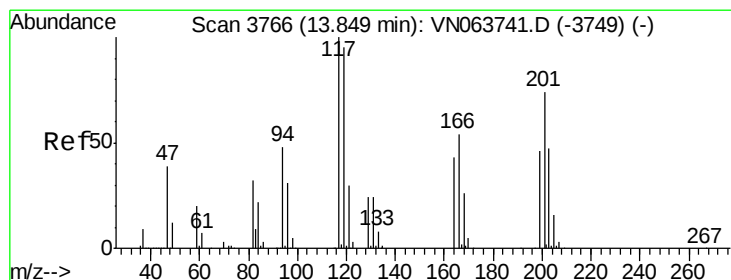
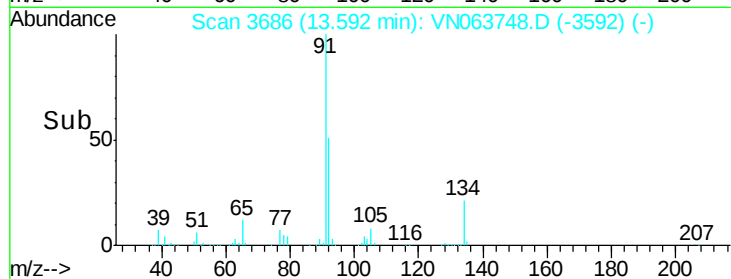
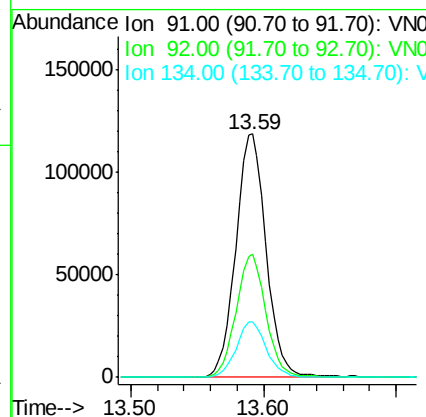
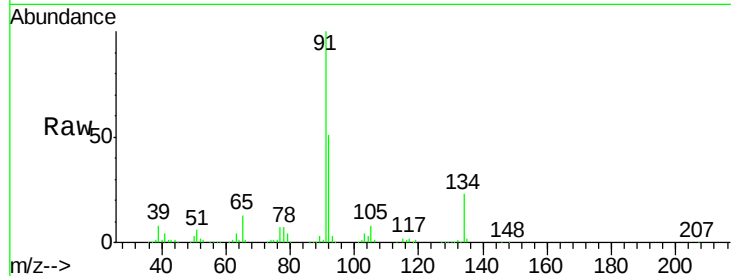
#89
n-Butylbenzene
Concen: 18.991 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	187803		
92	49.9	25.4	76.4	
134	22.9	11.7	35.1	

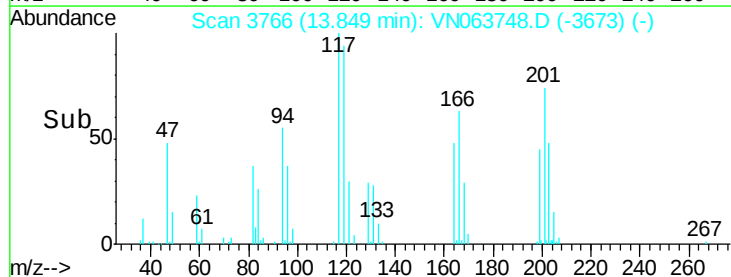
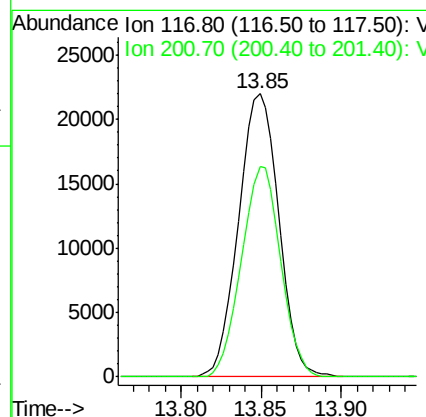
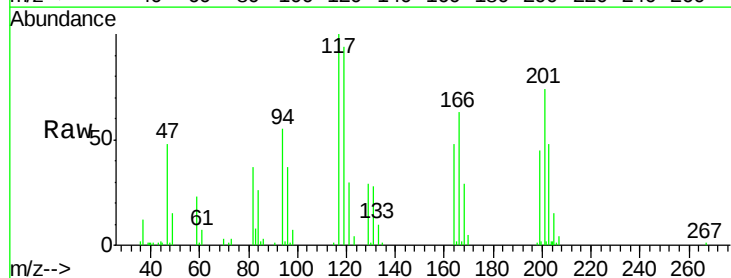
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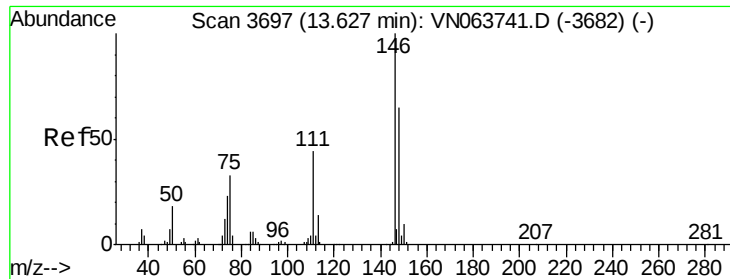
MMDadoda
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#90
Hexachloroethane
Concen: 18.129 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063748.D
Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37640		
201	72.2	36.0	108.0	





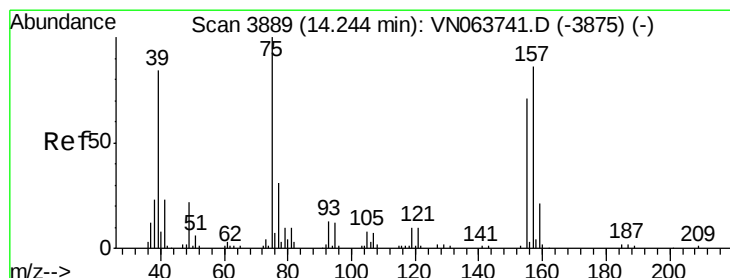
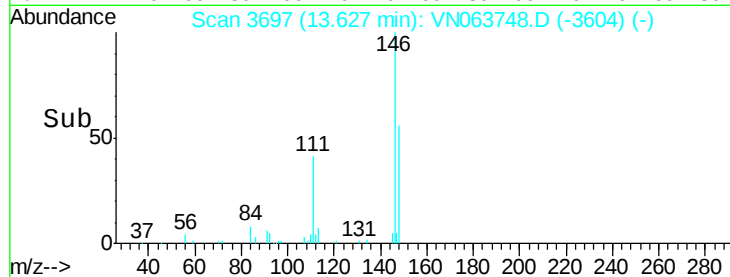
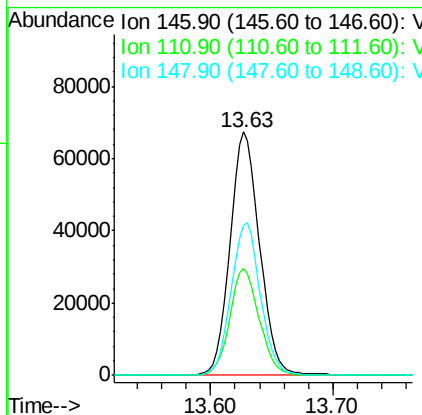
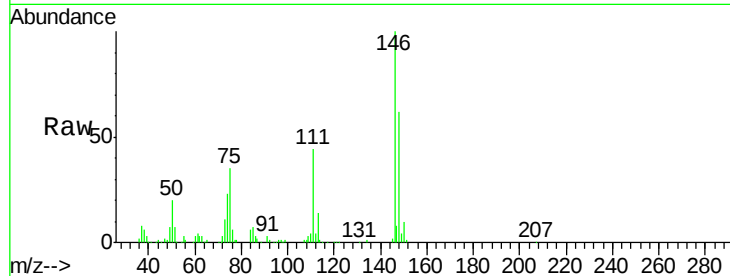
#91
 1,2-Dichlorobenzene
 Concen: 19.267 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	62.2	32.5	97.4

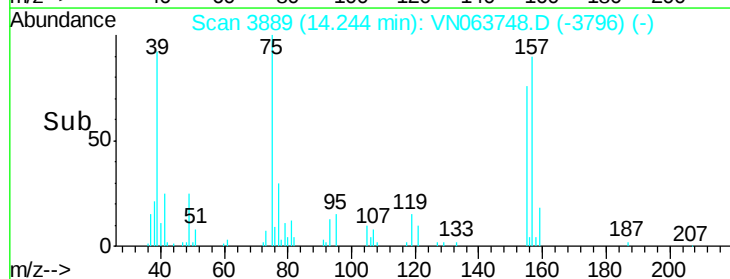
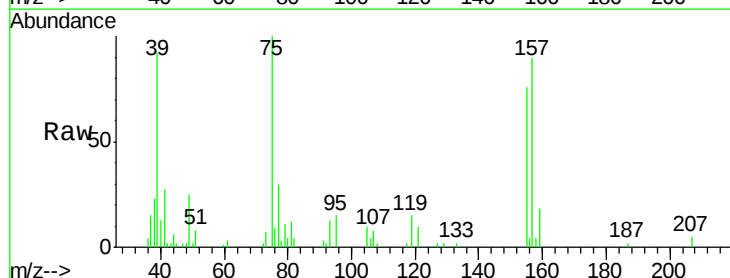
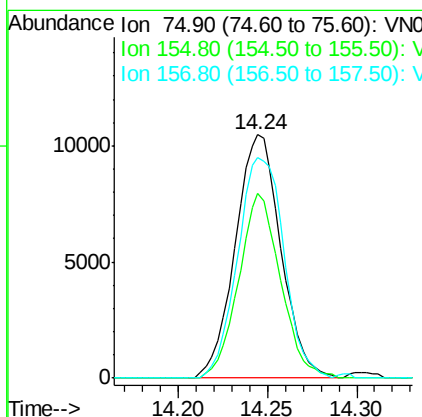
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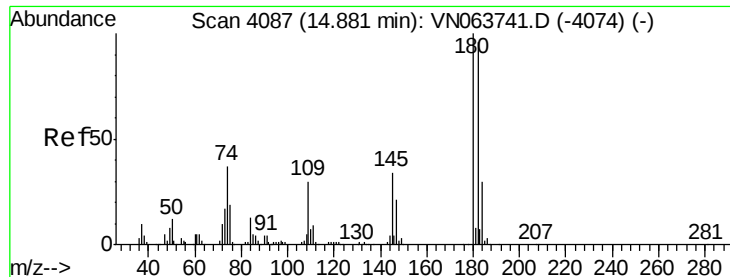
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.354 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.8	104.5
157	92.3	43.7	131.1





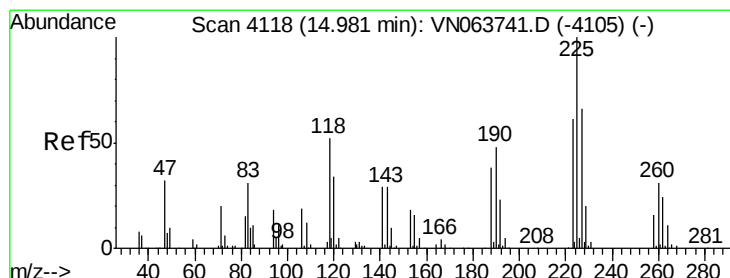
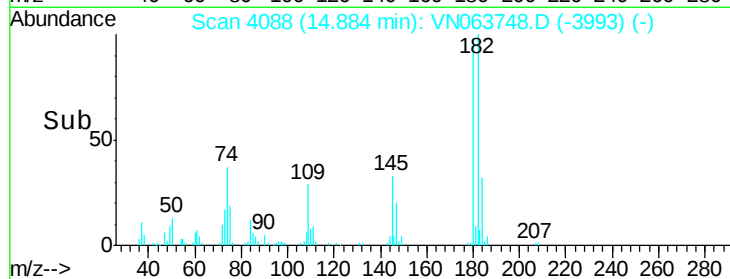
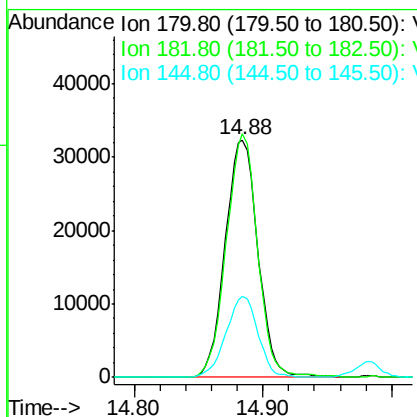
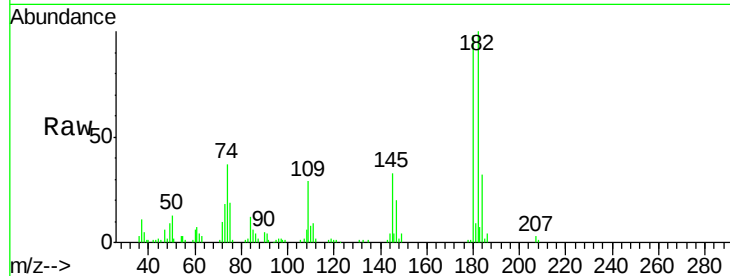
#93
 1,2,4-Trichlorobenzene
 Concen: 18.842 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56930		
182	97.7	48.2	144.6	
145	33.4	17.1	51.2	

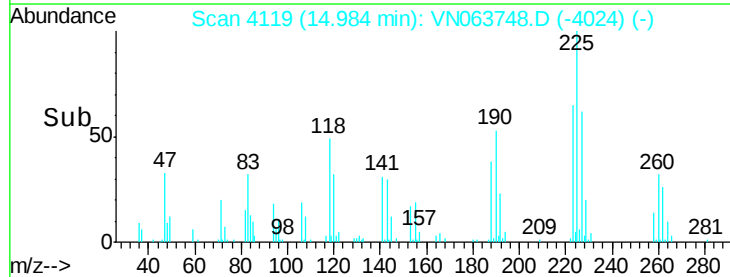
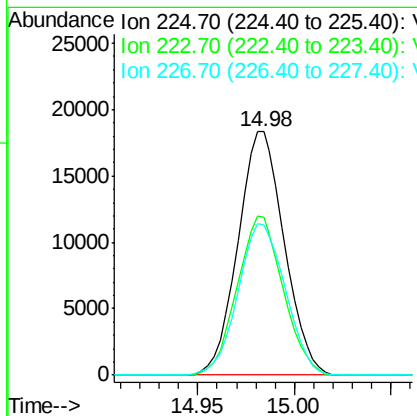
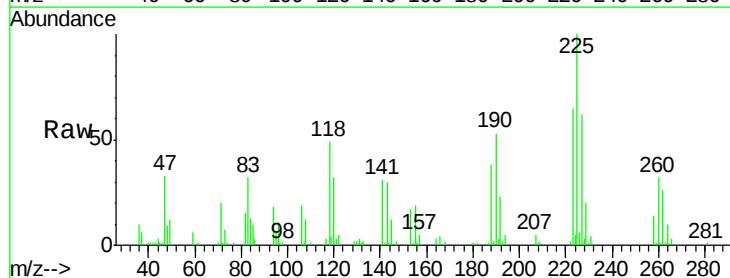
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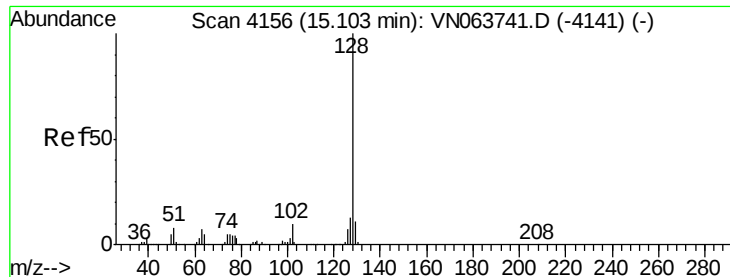
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#94
 Hexachlorobutadiene
 Concen: 19.028 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063748.D
 Acq: 30 Sep 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30414		
223	64.9	30.3	91.0	
227	63.6	31.9	95.5	





#95

Naphthalene

Concen: 19.341 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Instrument :

MSVOA_N

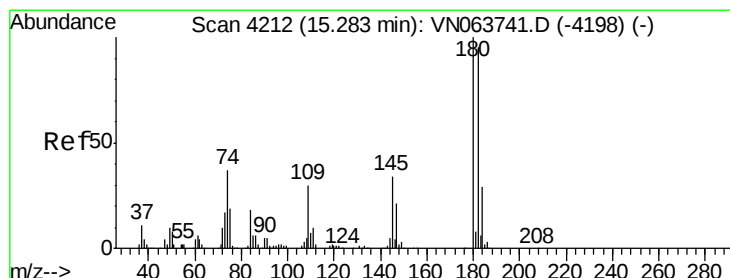
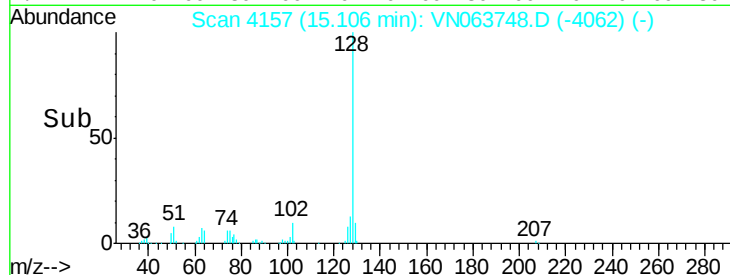
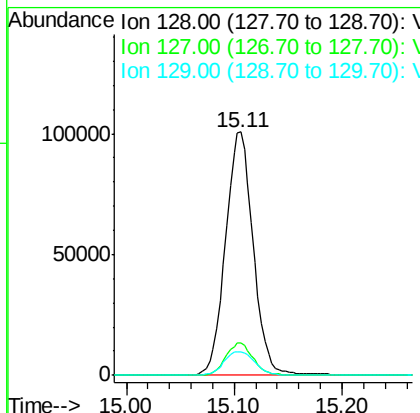
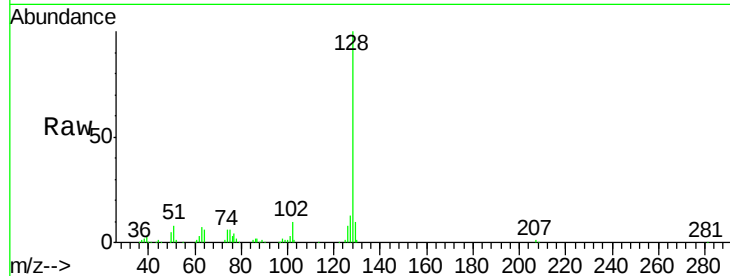
ClientSampleId :

VN0930MBS01

Tot Ion:	128	Resp:	180052
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.136 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063748.D

Acq: 30 Sep 2020 14:44

Tgt Ion:	180	Resp:	56512
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.9	143.6
145	36.3	17.2	51.5

