

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063740.D
 Acq On : 30 Sep 2020 10:48
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:39:52 PM

Quant Time: Sep 30 11:46:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	466566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	436322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	96980	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	
35) Dibromofluoromethane	7.55	113	66630	20.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.12%	
50) Toluene-d8	10.06	98	253365	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
62) 4-Bromofluorobenzene	12.38	95	90459	20.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55891	17.975	ug/l	100
3) Chloromethane	2.04	50	65283	16.100	ug/l	98
4) Vinyl Chloride	2.16	62	63085	17.384	ug/l	99
5) Bromomethane	2.53	94	42480	19.470	ug/l	95
6) Chloroethane	2.68	64	38774	17.217	ug/l	95
7) Trichlorofluoromethane	2.99	101	107803	19.616	ug/l	97
8) Diethyl Ether	3.38	74	35395	16.861	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	55917	18.229	ug/l	99
10) Methyl Iodide	3.91	142	63692	16.194	ug/l	99
11) Tert butyl alcohol	4.73	59	48253	76.431	ug/l	95
12) 1,1-Dichloroethene	3.70	96	51637	16.797	ug/l	92
13) Acrolein	3.57	56	29340	113.740	ug/l	98
14) Allyl chloride	4.28	41	100939	16.728	ug/l	99
15) Acrylonitrile	4.93	53	141263	86.245	ug/l	99
16) Acetone	3.78	43	133594	88.082	ug/l	98
17) Carbon Disulfide	4.01	76	144708	16.300	ug/l	100
18) Methyl Acetate	4.28	43	70052	18.300	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	196403	17.049	ug/l	100
20) Methylene Chloride	4.51	84	65228	17.152	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	58011	16.985	ug/l	96
22) Diisopropyl ether	5.90	45	212714	17.101	ug/l	92
23) Vinyl Acetate	5.84	43	869650	85.358	ug/l	99
24) 1,1-Dichloroethane	5.80	63	117342	17.274	ug/l	99
25) 2-Butanone	6.78	43	199607	86.654	ug/l	98
26) 2,2-Dichloropropane	6.78	77	107744	17.861	ug/l	79
27) cis-1,2-Dichloroethene	6.78	96	69438	17.954	ug/l	99
28) Bromochloromethane	7.15	49	62415	19.479	ug/l	98
29) Tetrahydrofuran	7.16	42	132971	84.574	ug/l	100
30) Chloroform	7.33	83	125303	18.259	ug/l	94
31) Cyclohexane	7.61	56	103129	16.297	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	111827	18.200	ug/l	99
36) 1,1-Dichloropropene	7.75	75	86815	17.731	ug/l	99
37) Ethyl Acetate	6.88	43	83599	17.468	ug/l	98
38) Carbon Tetrachloride	7.73	117	98191	19.451	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	88505	16.800	ug/l	97
40) Benzene	8.00	78	258351	18.484	ug/l	99
41) Methacrylonitrile	7.13	41	37500	17.109	ug/l #	68
42) 1,2-Dichloroethane	8.08	62	107926	19.021	ug/l	100
43) Isopropyl Acetate	8.13	43	148014	17.256	ug/l	98
44) Trichloroethene	8.80	130	66240	19.308	ug/l	96
45) 1,2-Dichloropropane	9.08	63	69969	18.408	ug/l	94
46) Dibromomethane	9.17	93	48922	19.475	ug/l	97
47) Bromodichloromethane	9.37	83	98973	18.872	ug/l	99
48) Methyl methacrylate	9.17	41	74917	17.844	ug/l	97
49) 1,4-Dioxane	9.16	88	19444	324.161	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	442504	91.413	ug/l	99
52) Toluene	10.13	92	161255	19.104	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106392	18.275	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	112172	18.329	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	63632	18.881	ug/l	99
56) Ethyl methacrylate	10.40	69	91309	17.540	ug/l	97
57) 1,3-Dichloropropane	10.68	76	110486	18.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	260866	94.657	ug/l	99
59) 2-Hexanone	10.72	43	324823	92.578	ug/l	99
60) Dibromochloromethane	10.87	129	72984	19.144	ug/l	99
61) 1,2-Dibromoethane	10.98	107	65409	18.702	ug/l	97
64) Tetrachloroethene	10.60	164	63005	21.042	ug/l	98
65) Chlorobenzene	11.41	112	168972	18.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	64905	19.220	ug/l	97
67) Ethyl Benzene	11.48	91	307986	17.901	ug/l	99
68) m/p-Xylenes	11.59	106	229524	36.903	ug/l	100
69) o-Xylene	11.92	106	108874	18.432	ug/l	100
70) Styrene	11.94	104	186649	18.838	ug/l	99
71) Bromoform	12.10	173	47767	18.929	ug/l #	96
73) Isopropylbenzene	12.22	105	293488	18.178	ug/l	99
74) N-amyl acetate	12.04	43	127027	16.811	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90503	18.106	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	84573m	16.970	ug/l	
77) Bromobenzene	12.50	156	71093	19.376	ug/l	96
78) n-propylbenzene	12.57	91	339464	18.089	ug/l	99
79) 2-Chlorotoluene	12.65	91	209112	18.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	249859	18.606	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30334	16.780	ug/l	97
82) 4-Chlorotoluene	12.75	91	216703	18.164	ug/l	100
83) tert-Butylbenzene	12.97	119	201901	18.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	248500	18.281	ug/l	98
85) sec-Butylbenzene	13.14	105	265718	17.921	ug/l	99
86) p-Isopropyltoluene	13.26	119	237160	18.122	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	132180	19.486	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	125708	18.318	ug/l	96
89) n-Butylbenzene	13.59	91	207782	17.301	ug/l	99
90) Hexachloroethane	13.85	117	44274	17.695	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	125703	18.974	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20936	17.762	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	65988	17.197	ug/l	99
94) Hexachlorobutadiene	14.98	225	34821	21.063	ug/l	98
95) Naphthalene	15.10	128	203412	16.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64671	17.447	ug/l	98

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

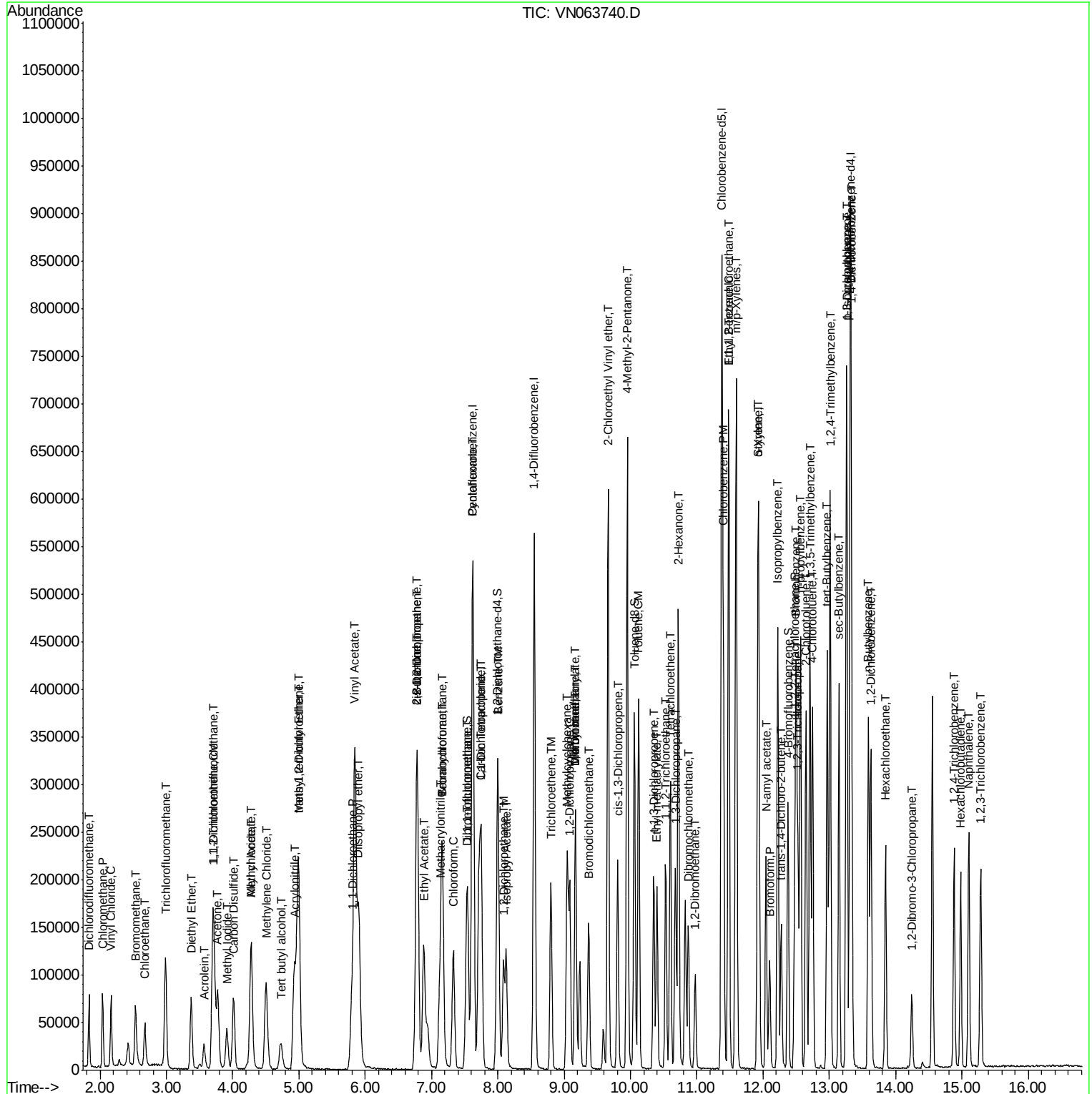
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\
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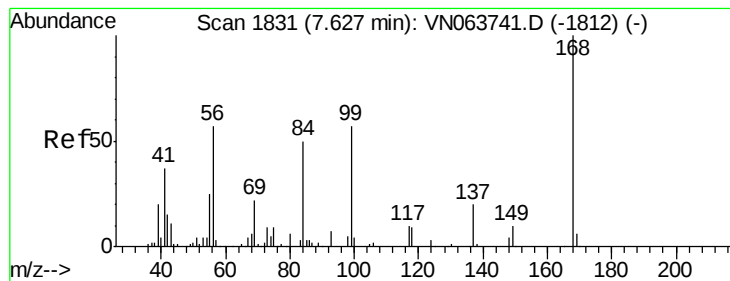
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 280354

Ion Ratio Lower Upper

168 100

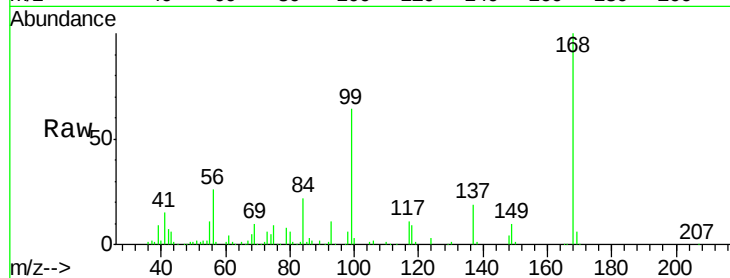
99 63.6 51.8 77.6

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

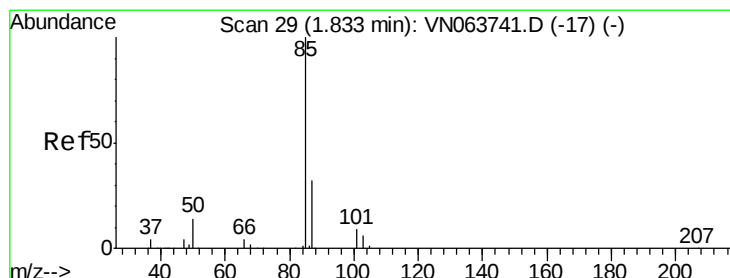
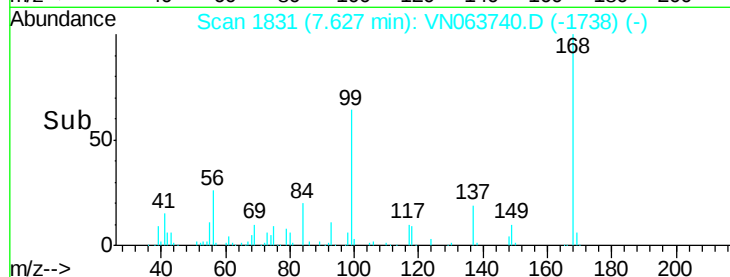
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.975 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063740.D

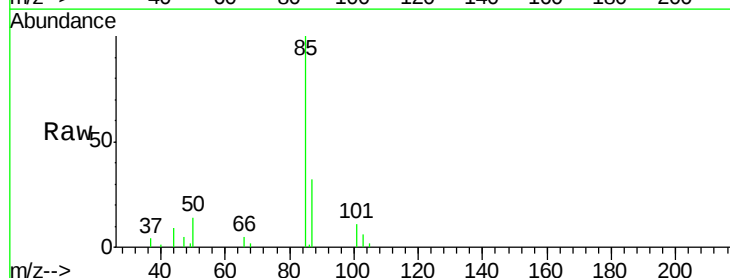
Acq: 30 Sep 2020 10:48

Tgt Ion: 85 Resp: 55891

Ion Ratio Lower Upper

85 100

87 32.2 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

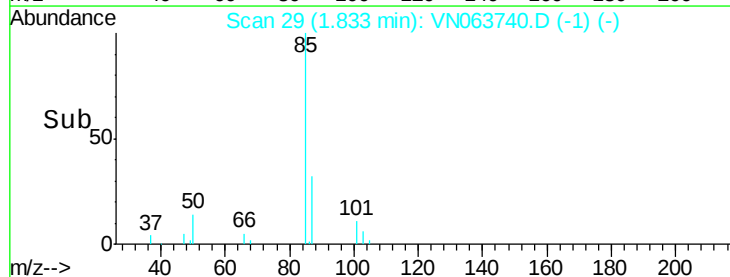
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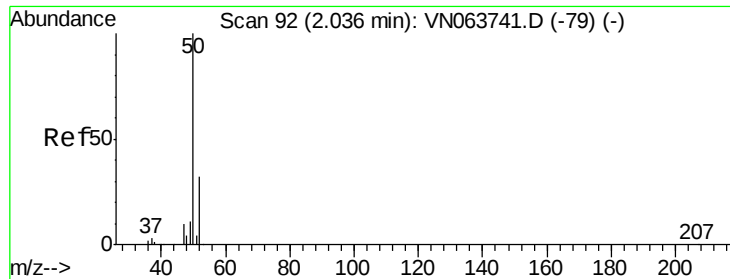
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.100 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 65283

Ion Ratio Lower Upper

50 100

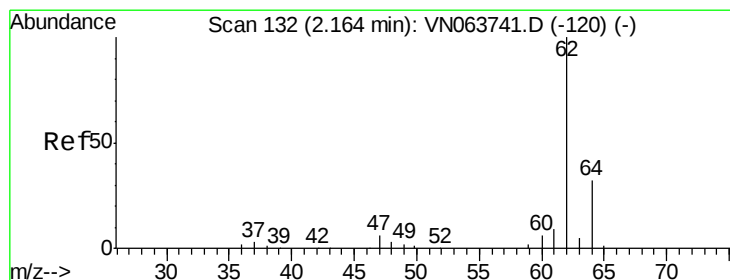
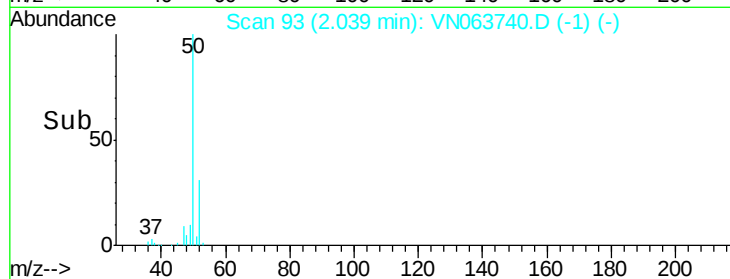
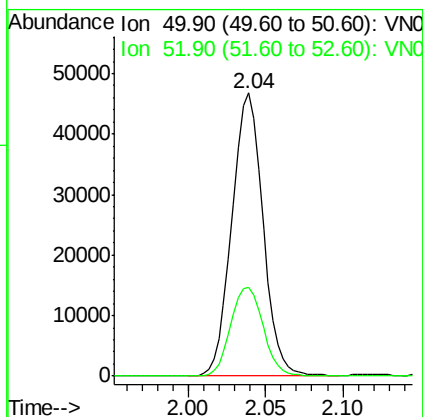
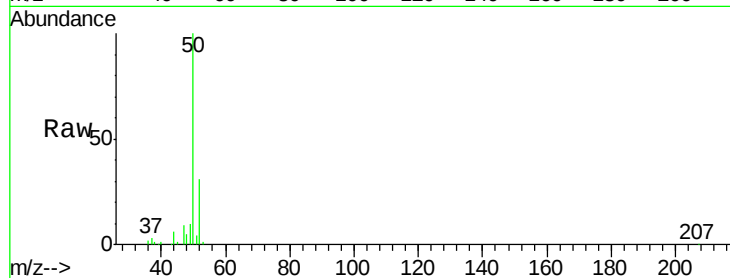
52 31.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.384 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063740.D

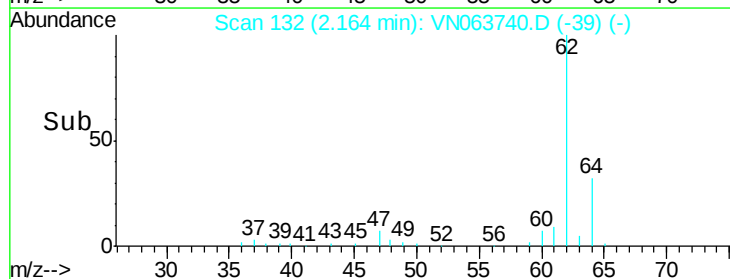
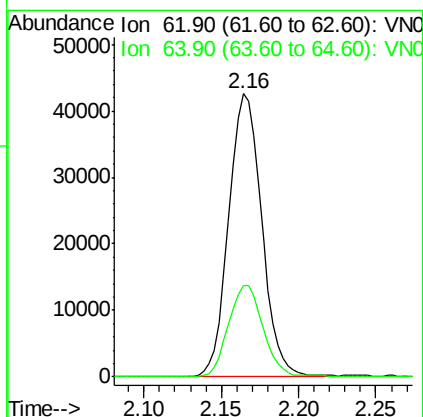
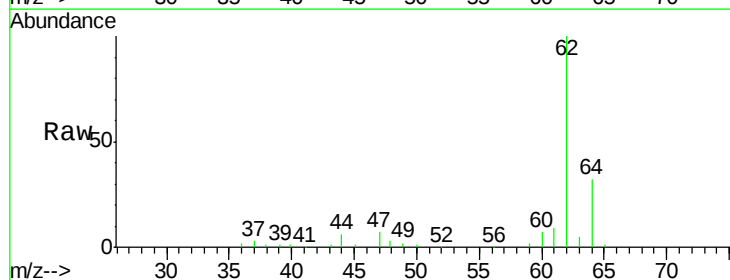
Acq: 30 Sep 2020 10:48

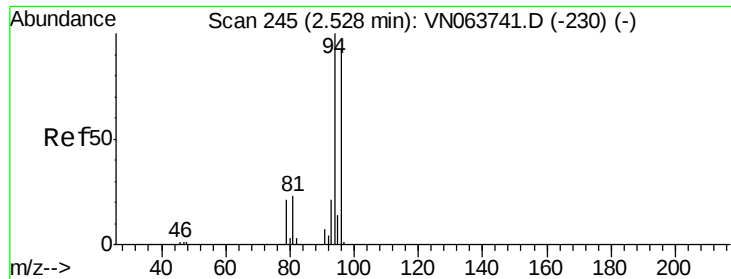
Tgt Ion: 62 Resp: 63085

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 19.470 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 42480

Ion Ratio Lower Upper

94 100

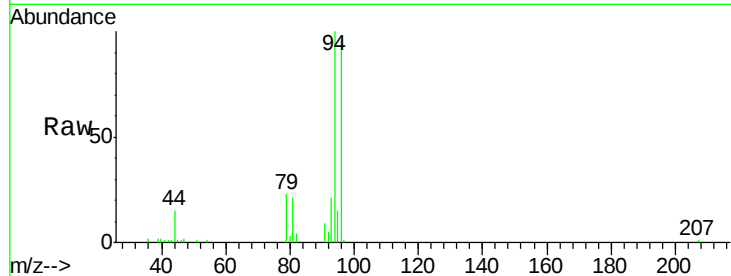
96 96.4 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN063740.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063740.D (-152) (-)

2.53

20000

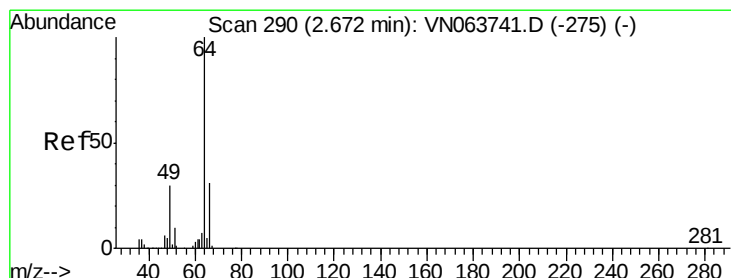
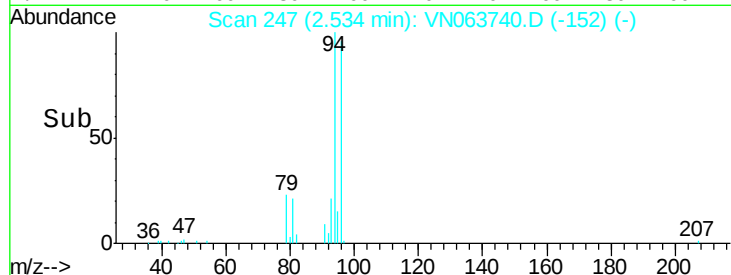
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.217 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063740.D

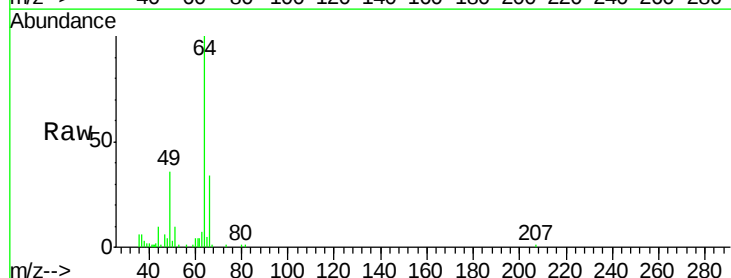
Acq: 30 Sep 2020 10:48

Tgt Ion: 64 Resp: 38774

Ion Ratio Lower Upper

64 100

66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN063740.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063740.D (-197) (-)

2.68

20000

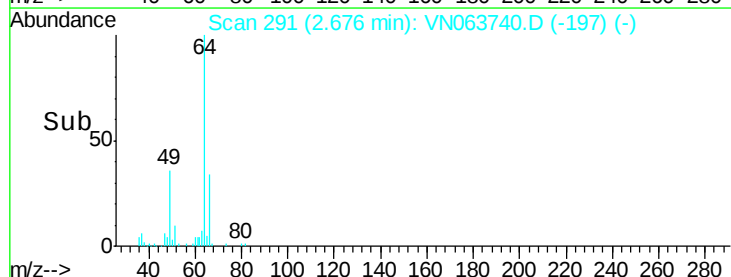
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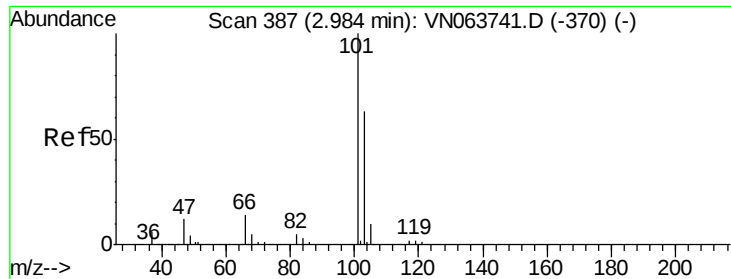
10000

5000

0

Time-->





#7

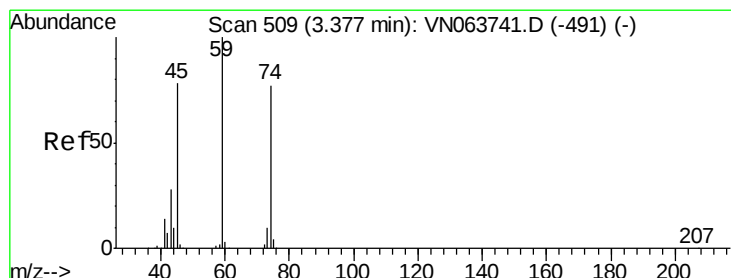
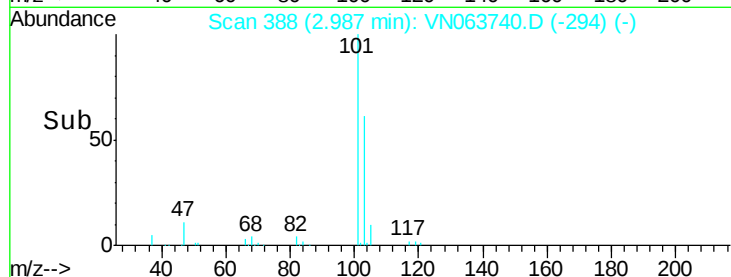
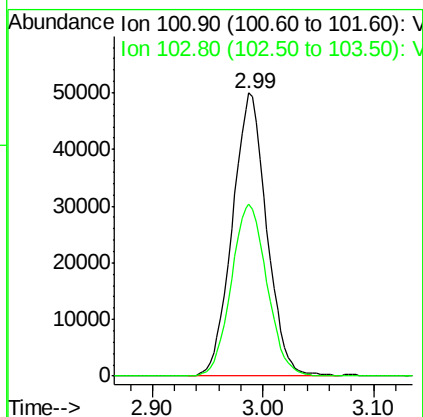
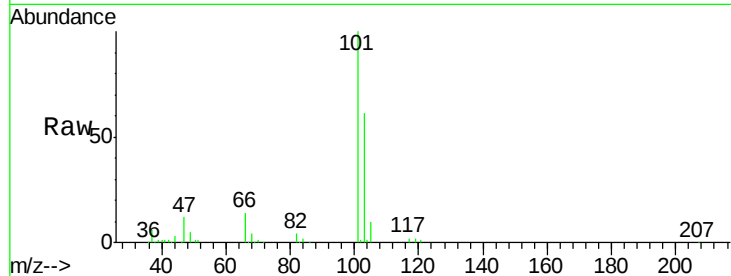
Trichlorofluoromethane
Concen: 19.616 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107803		
103	60.7		50.7	76.1

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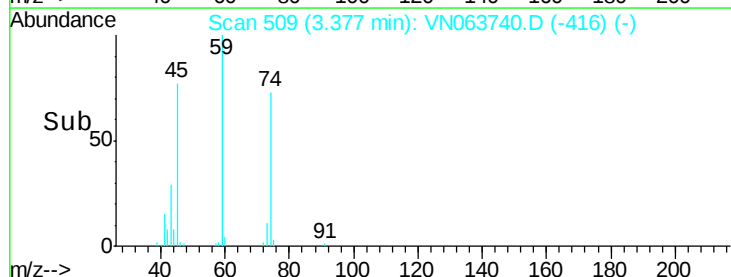
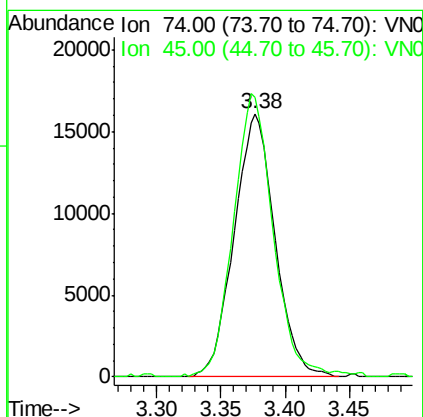
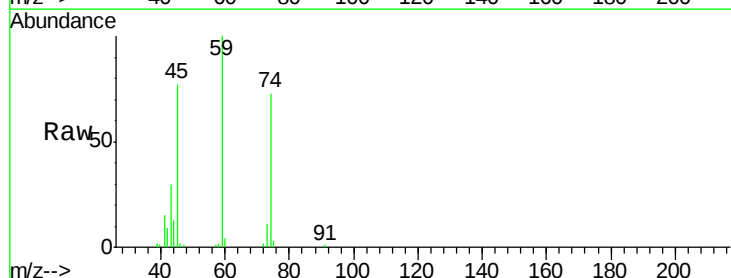
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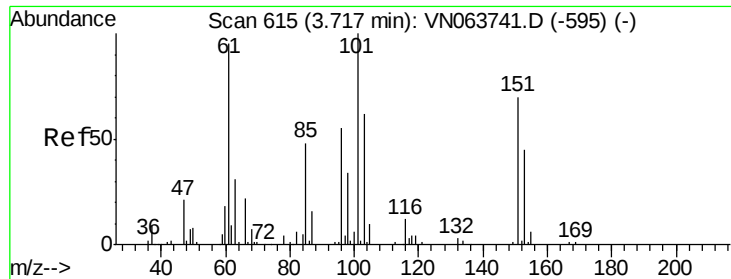


#8

Diethyl Ether
Concen: 16.861 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35395		
45	104.6		50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.229 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

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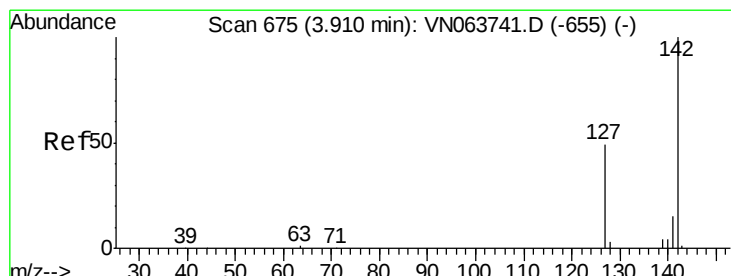
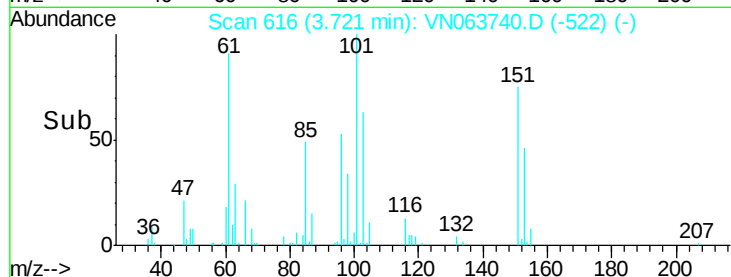
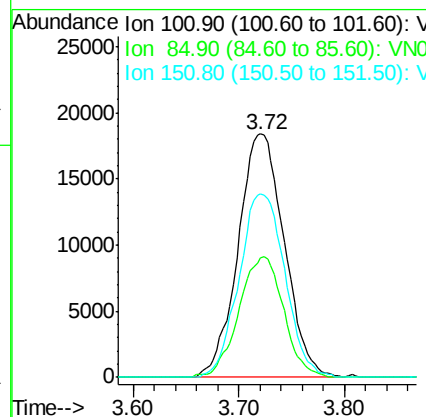
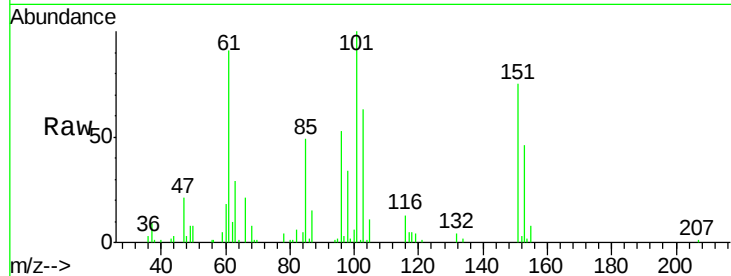
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	55917
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.6	58.0
151	75.1	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 16.194 ug/l

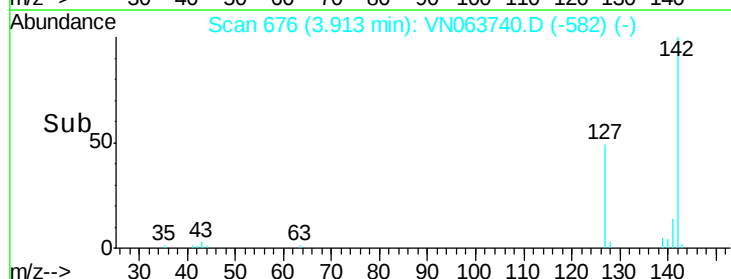
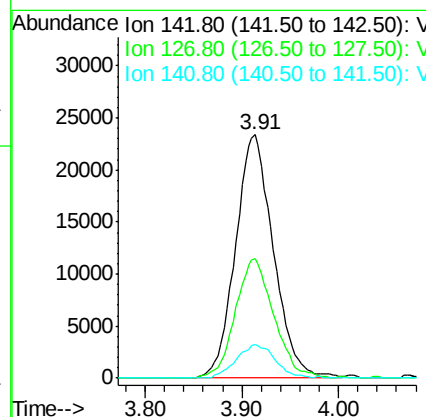
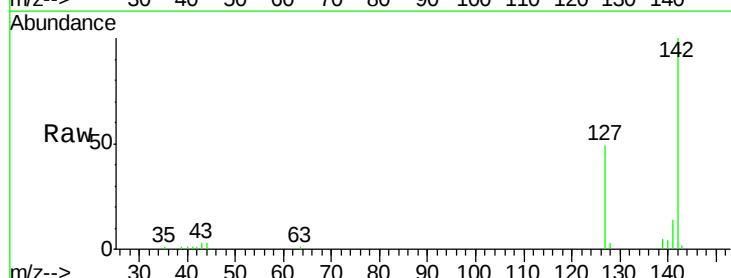
RT: 3.91 min Scan# 676

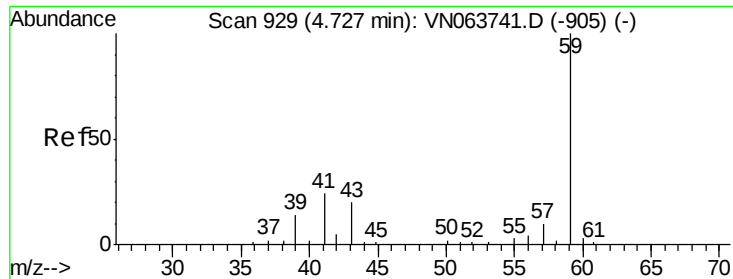
Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	142	Resp:	63692
Ion Ratio	Lower	Upper	
142	100		
127	49.9	40.5	60.7
141	13.9	11.7	17.5





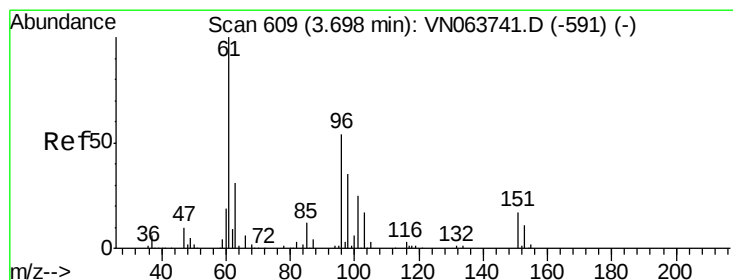
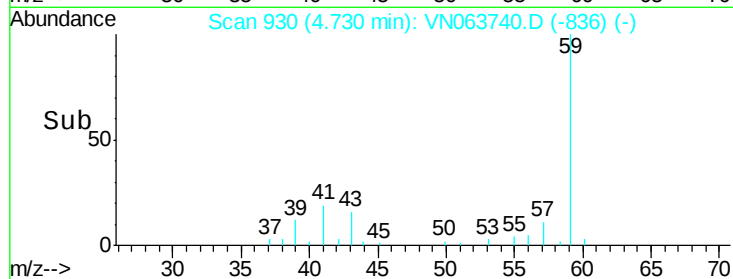
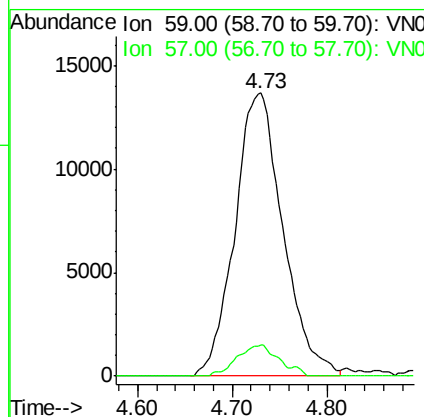
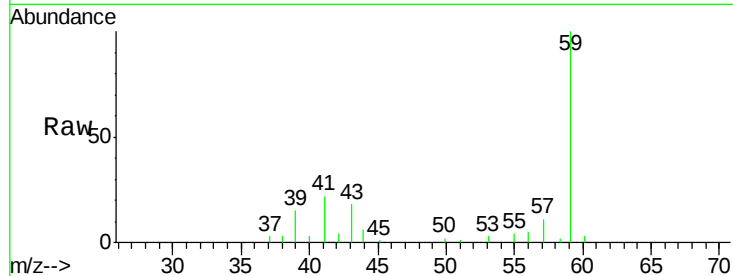
#11
Tert butyl alcohol
Concen: 76.431 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	59	57	Ratio	100	9.1	Resp	48253	Lower	8.7	Upper	13.1
Ion	59	57	Ratio	100	9.1	Resp	48253	Lower	8.7	Upper	13.1

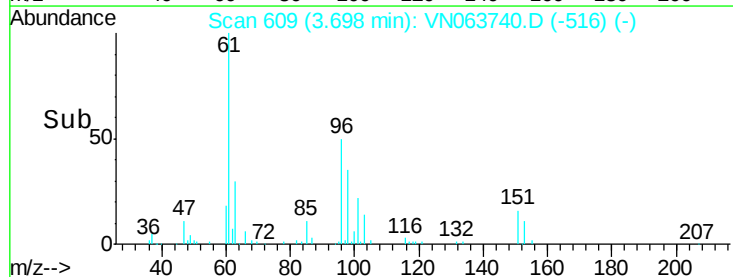
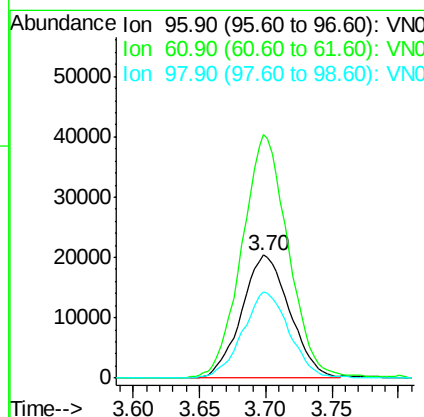
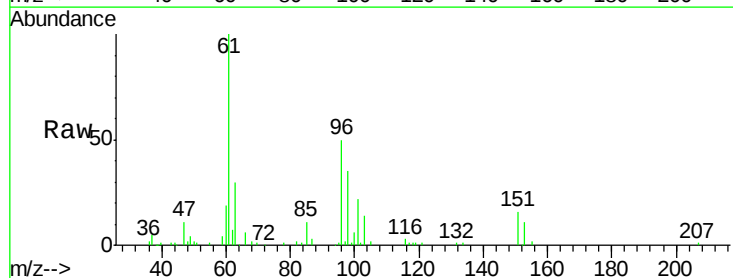
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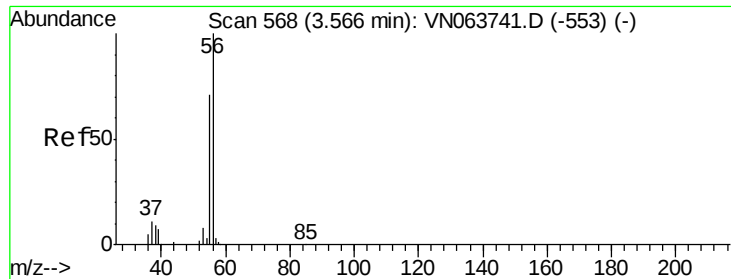
MMDadoda
10/1/2020 2:39:52 PM



#12
1,1-Dichloroethene
Concen: 16.797 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	96	61	98	Ratio	100	197.2	70.4	Resp	51637	Lower	147.7	51.9	Upper	221.5	77.9
Ion	96	61	98	Ratio	100	197.2	70.4	Resp	51637	Lower	147.7	51.9	Upper	221.5	77.9





#13

Acrolein

Concen: 113.740 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 29340

Ion Ratio Lower Upper

56 100

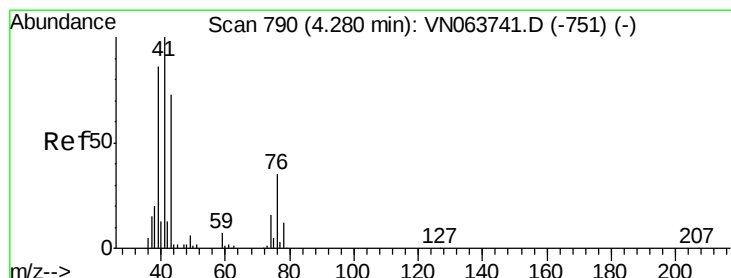
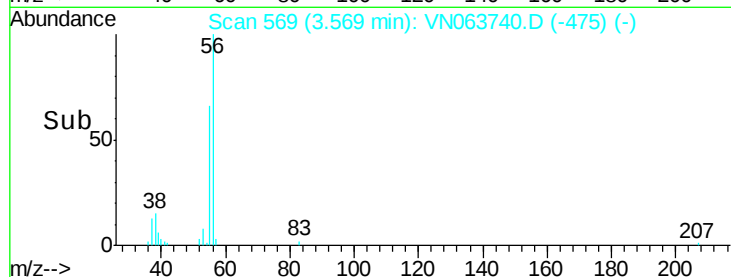
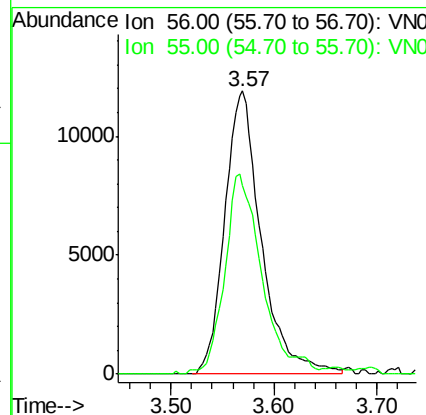
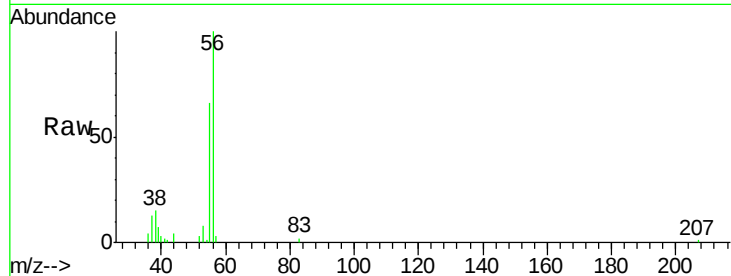
55 69.1 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 16.728 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

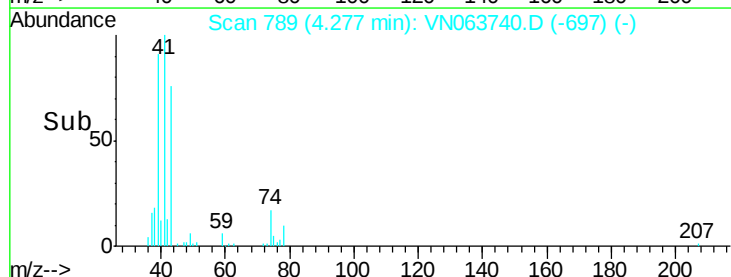
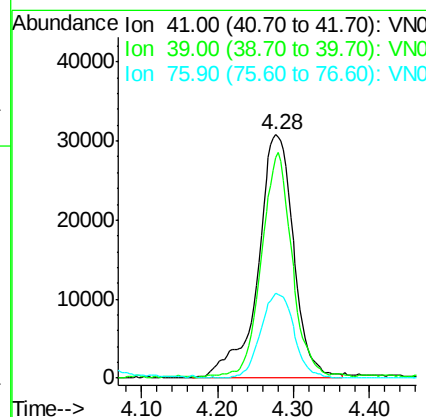
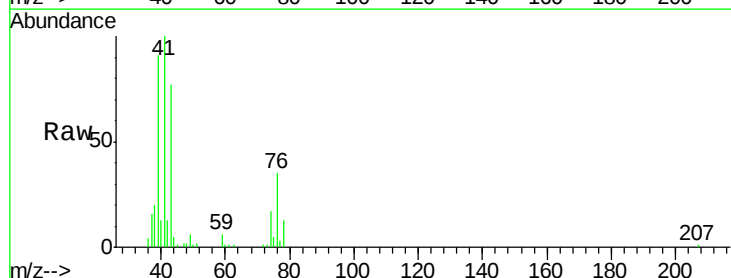
Tgt Ion: 41 Resp: 100939

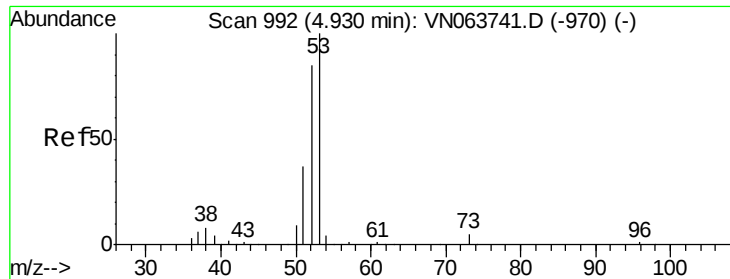
Ion Ratio Lower Upper

41 100

39 79.6 64.5 96.7

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 86.245 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

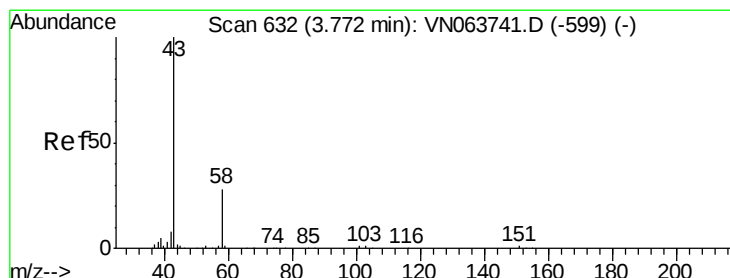
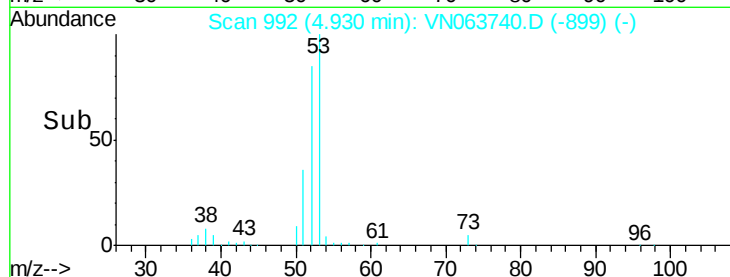
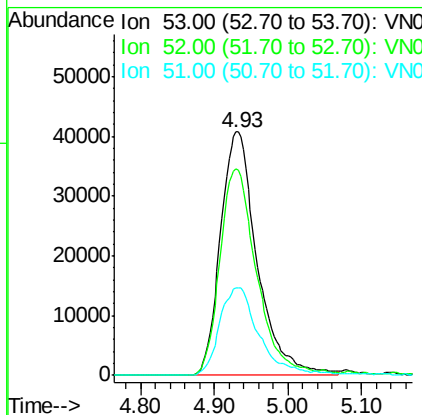
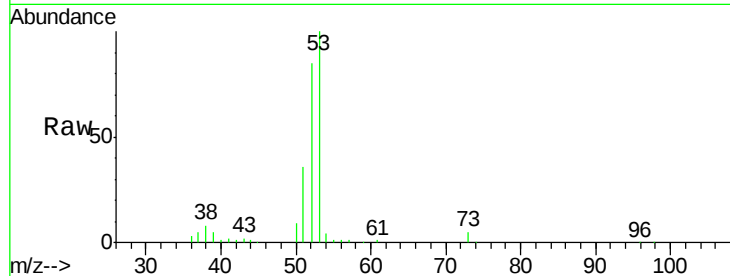
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	141263
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.5	99.7
51	37.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 88.082 ug/l

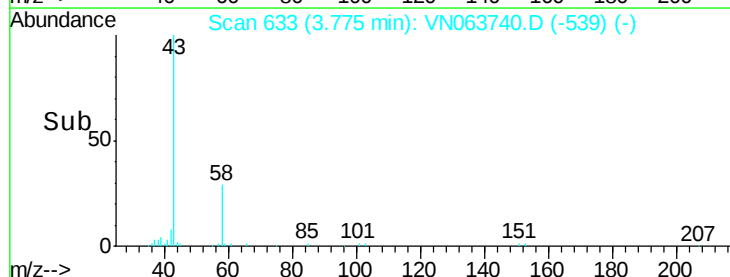
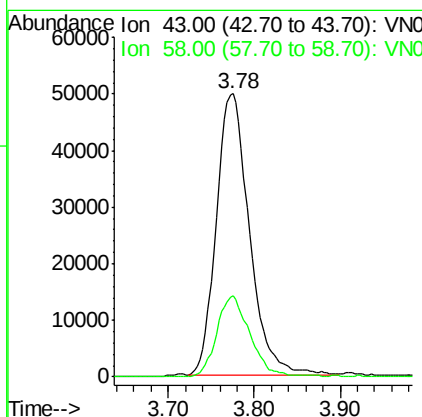
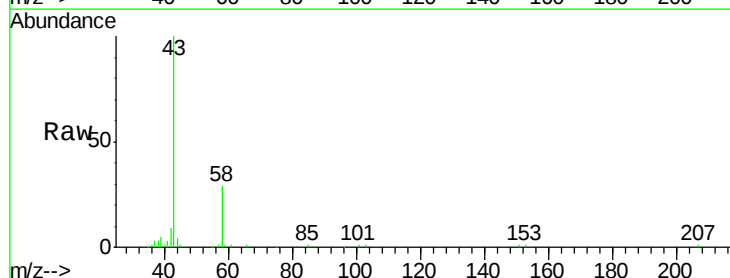
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	43	Resp:	133594
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.3	33.5





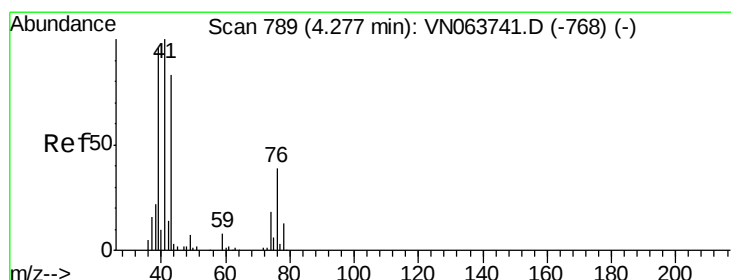
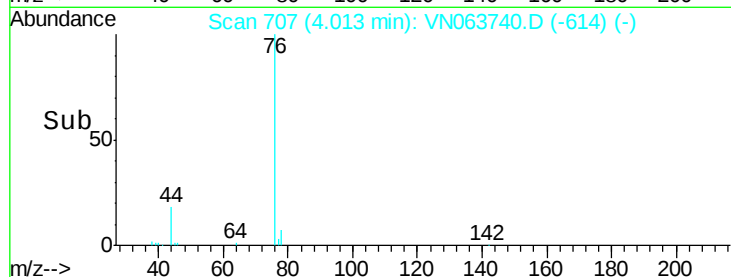
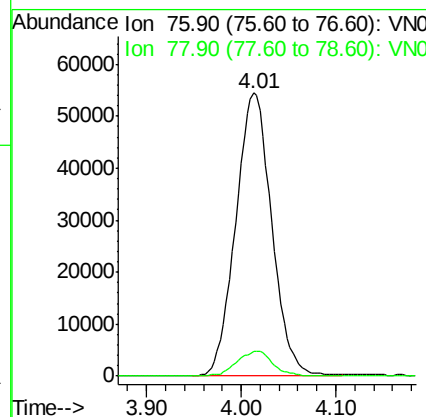
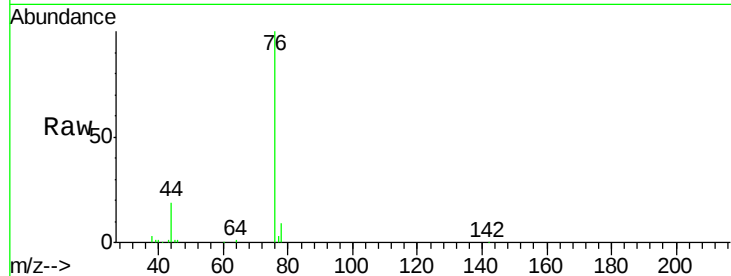
#17
Carbon Disulfide
Concen: 16.300 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 76 Resp: 144708
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4

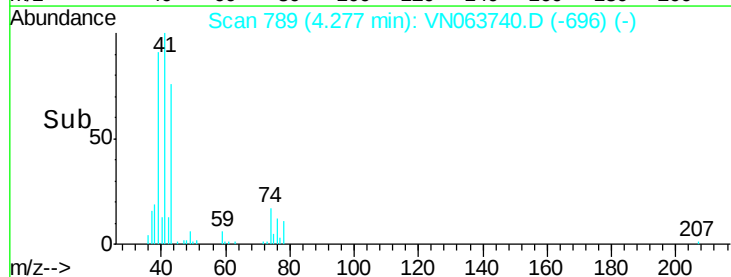
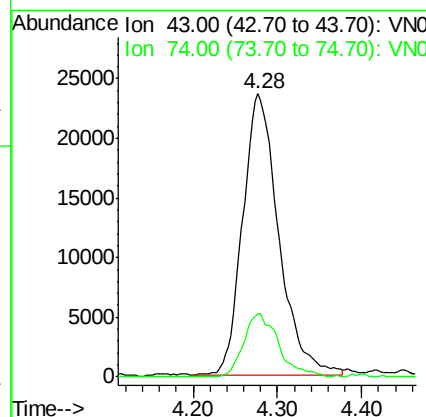
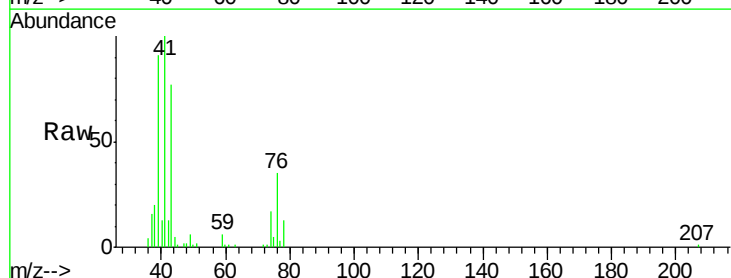
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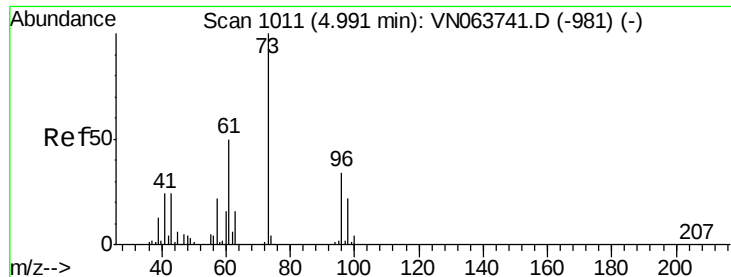
MMDadoda
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#18
Methyl Acetate
Concen: 18.300 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 43 Resp: 70052
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





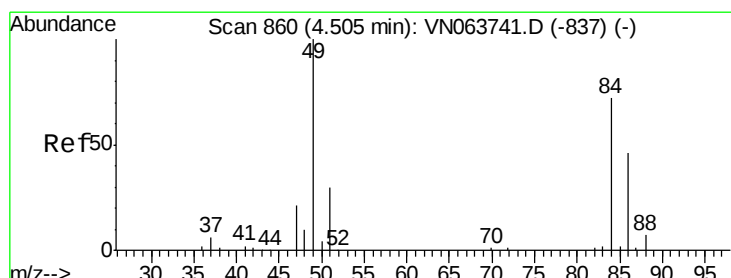
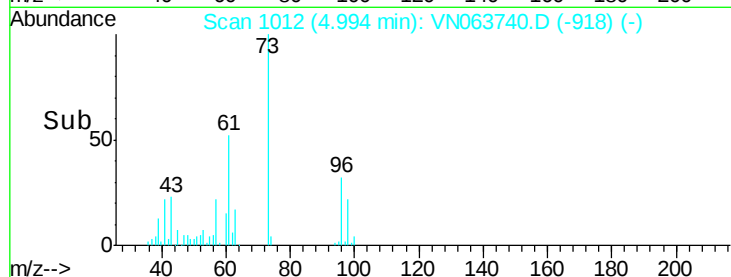
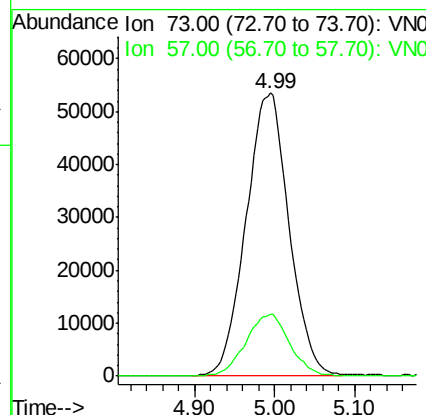
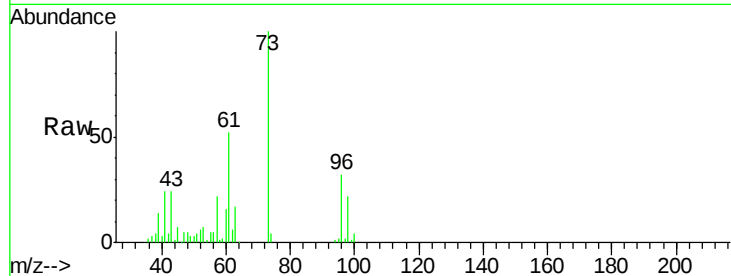
#19
Methvl tert-butvl Ether
Concen: 17.049 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 196403
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4

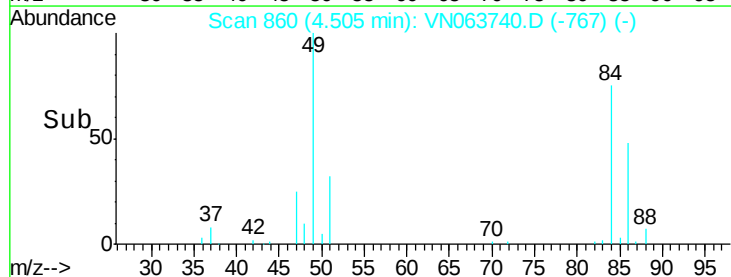
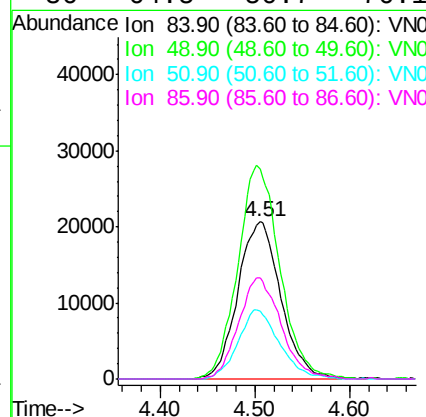
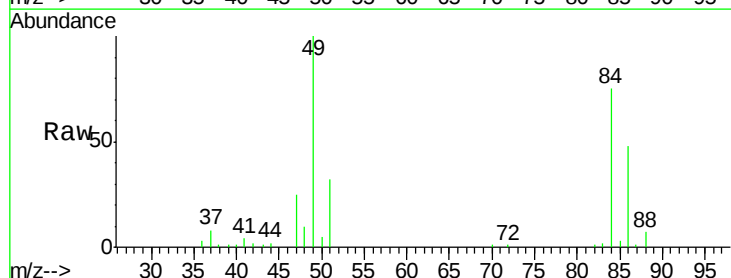
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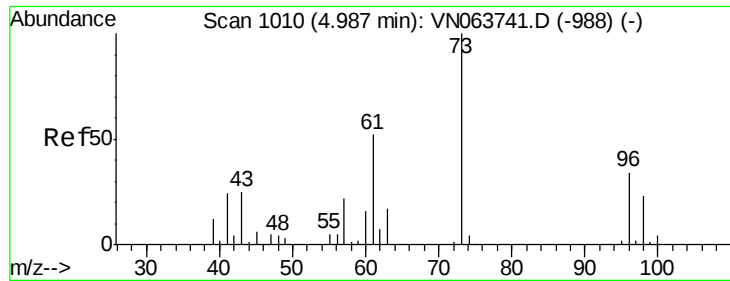
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#20
Methylene Chloride
Concen: 17.152 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 84 Resp: 65228
Ion Ratio Lower Upper
84 100
49 133.5 110.4 165.6
51 42.9 33.3 49.9
86 64.5 50.7 76.1





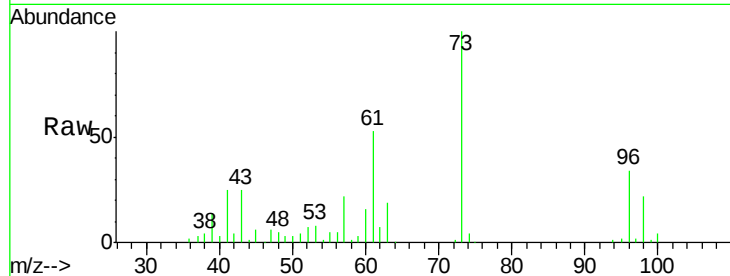
#21
trans-1,2-Dichloroethene
Concen: 16.985 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

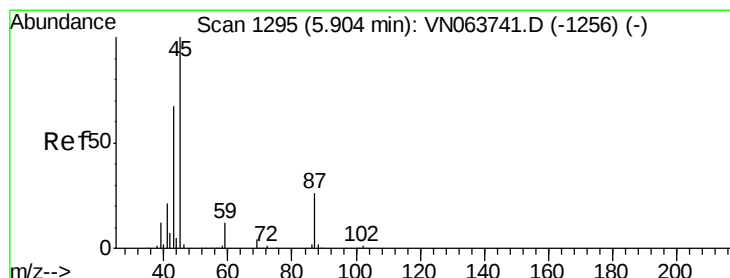
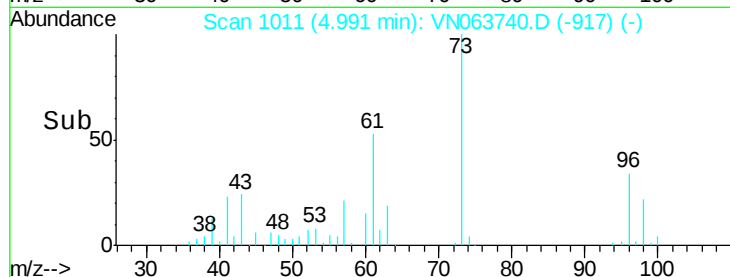
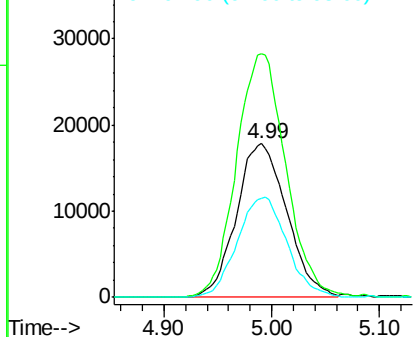
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.3	120.2	180.2
98	64.7	52.6	79.0

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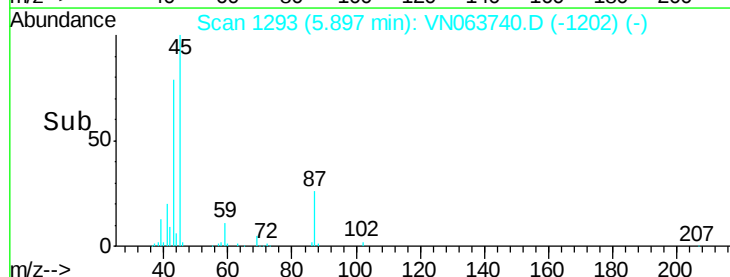
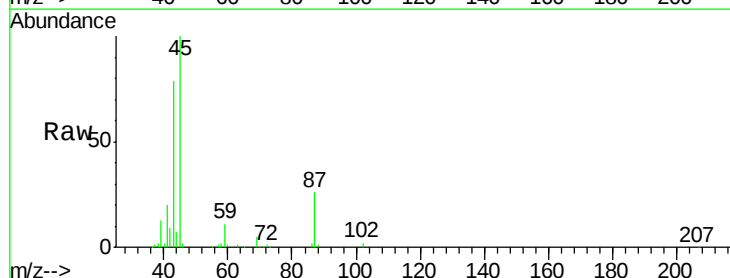
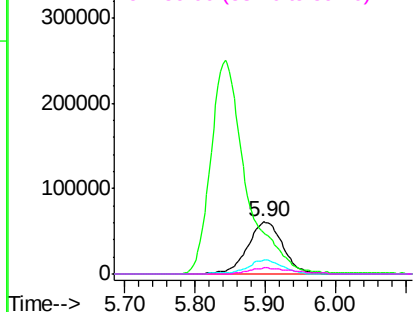
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

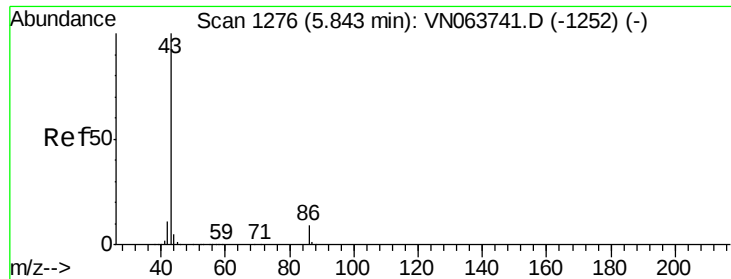


#22
Diisopropyl ether
Concen: 17.101 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.7	53.7	80.5
87	26.0	21.1	31.7
59	11.1	9.2	13.8

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





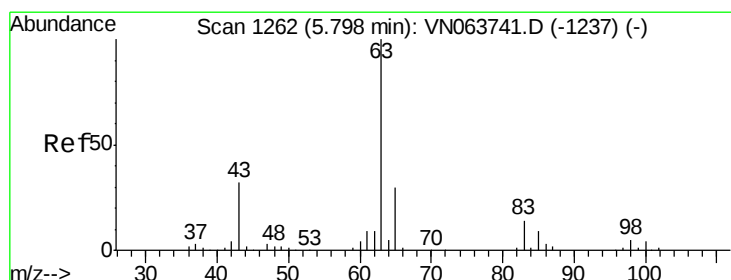
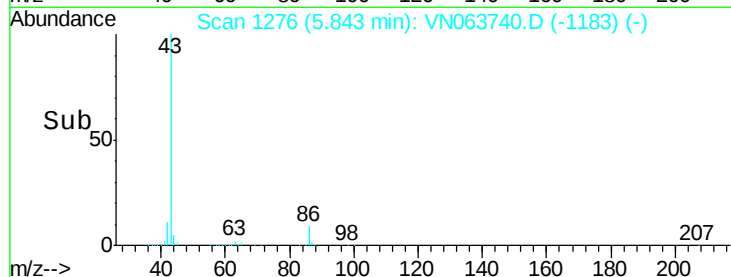
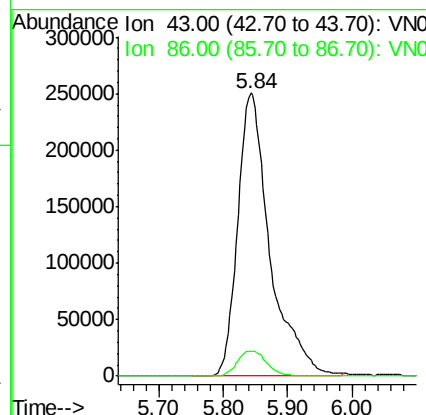
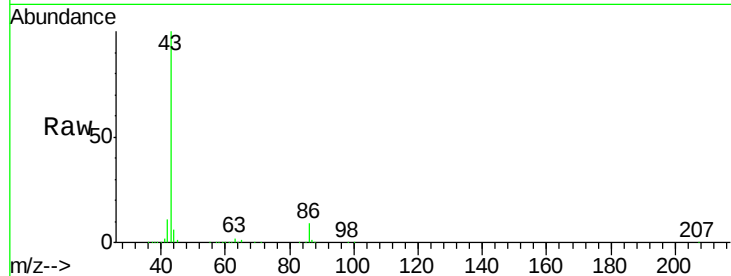
#23
 Vinyl Acetate
 Concen: 85.358 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	43	Resp	869650
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.3	10.9

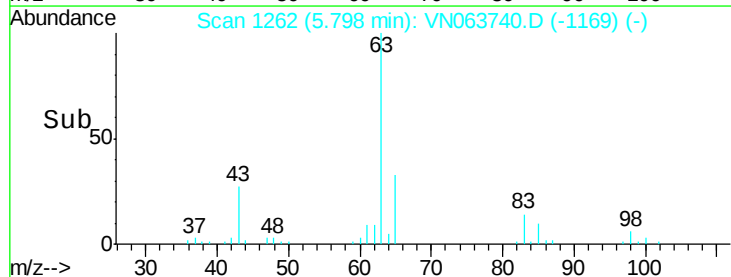
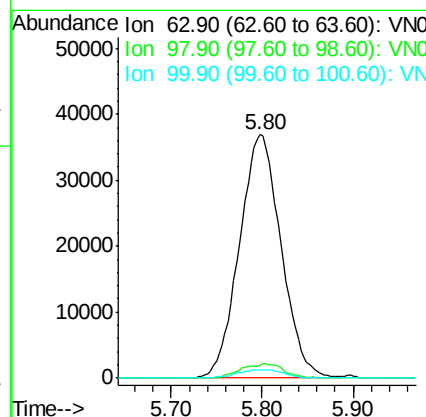
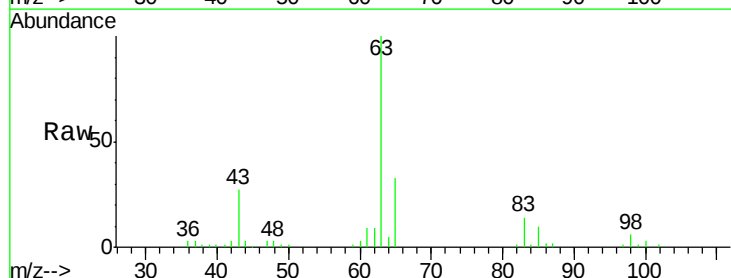
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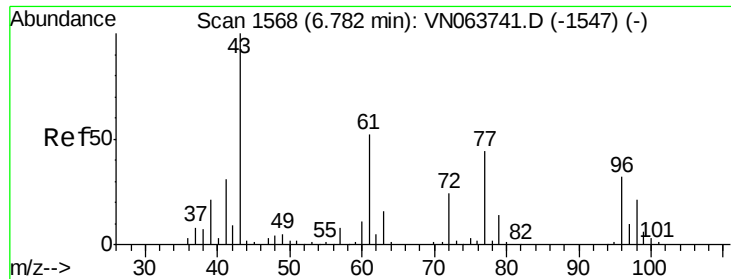
MMDadoda
 10/1/2020 2:39:52 PM



#24
 1,1-Dichloroethane
 Concen: 17.274 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	63	Resp	117342
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.7	8.1
100	3.5	1.9	5.7





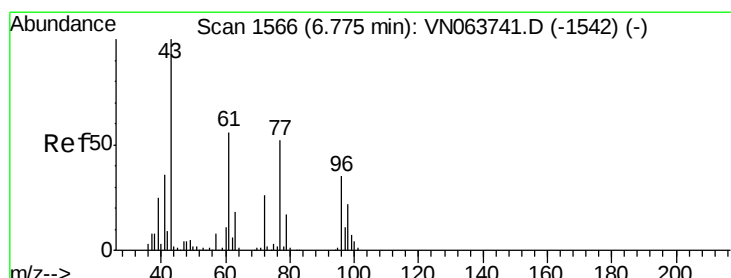
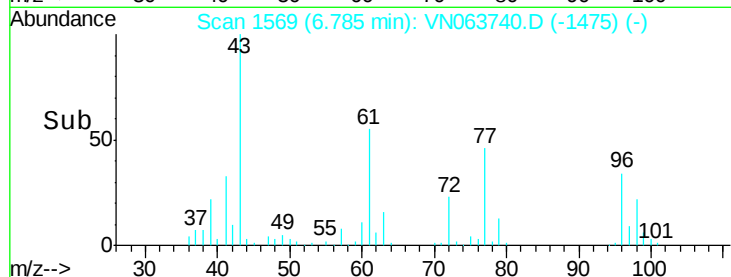
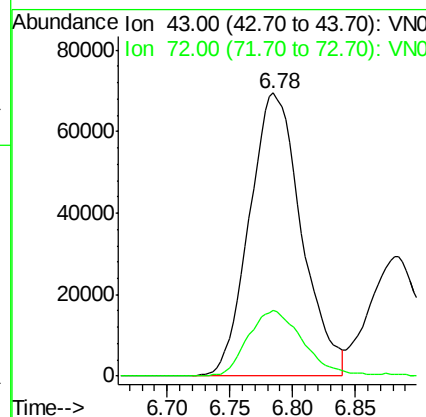
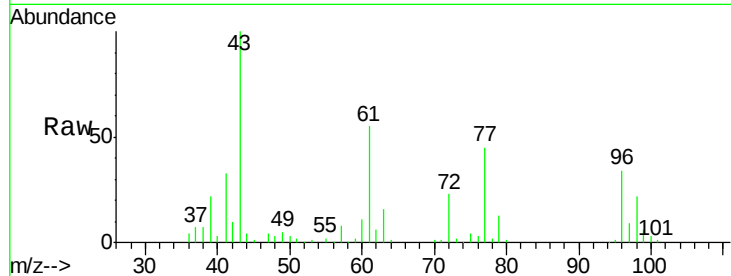
#25
2-Butanone
Concen: 86.654 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 199607
Ion Ratio Lower Upper
43 100
72 23.2 19.3 28.9

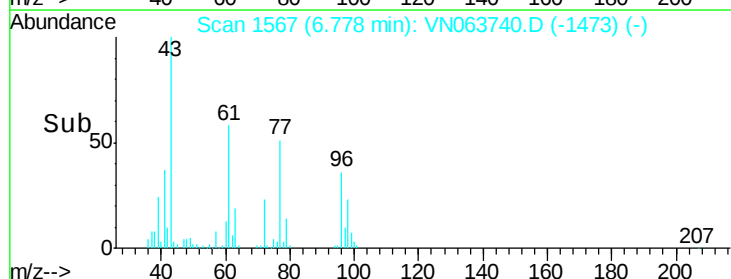
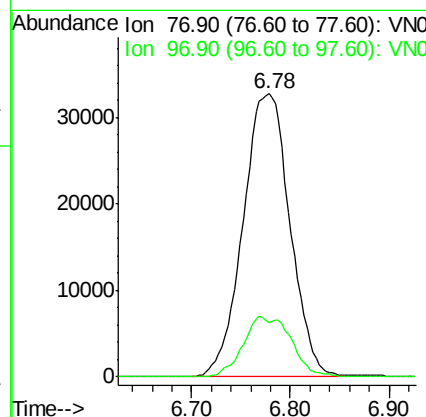
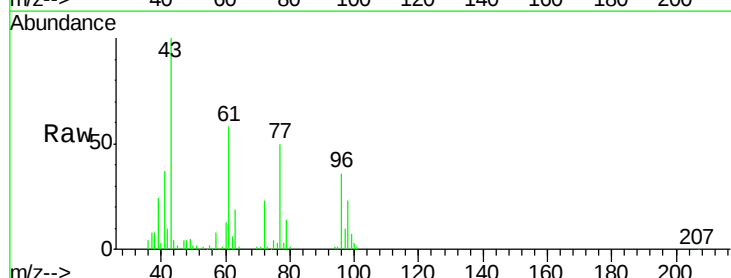
Manual Integrations
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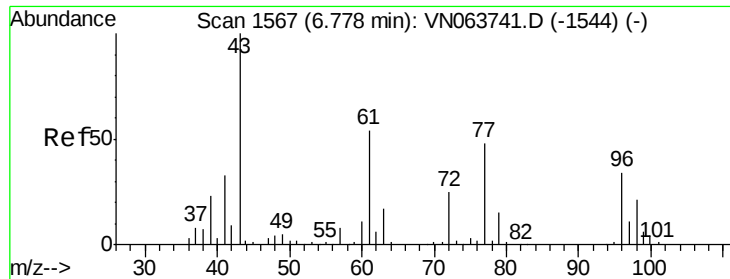
MMDadoda
10/1/2020 2:39:52 PM



#26
2,2-Dichloropropane
Concen: 17.861 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 77 Resp: 107744
Ion Ratio Lower Upper
77 100
97 11.8 10.8 32.3





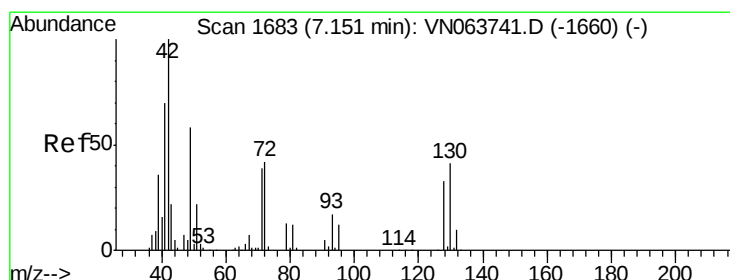
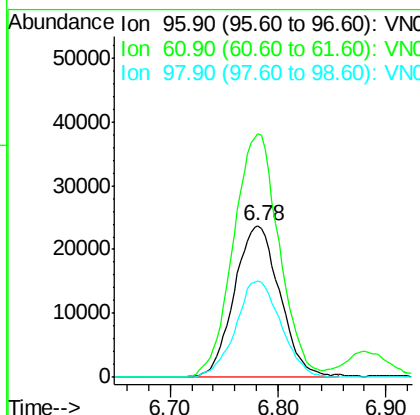
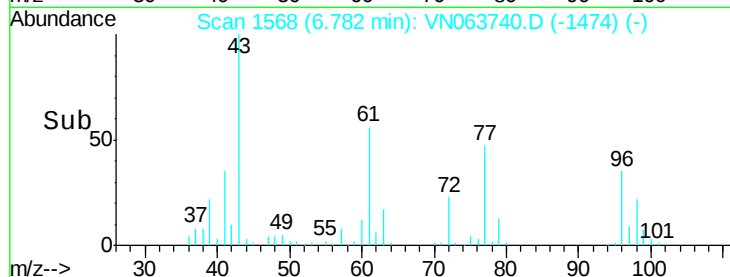
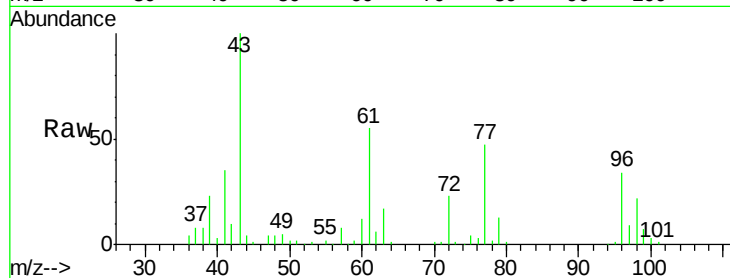
#27
 cis-1,2-Dichloroethene
 Concen: 17.954 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	321.2
98	63.5	0.0	124.4

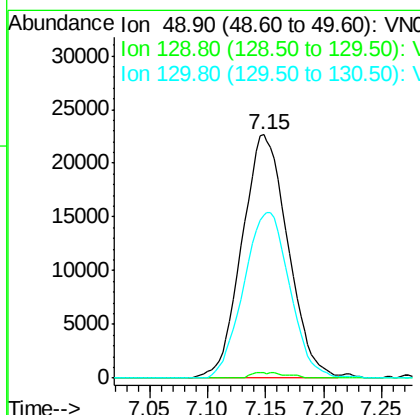
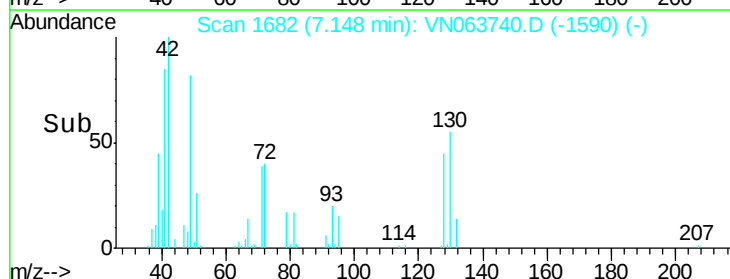
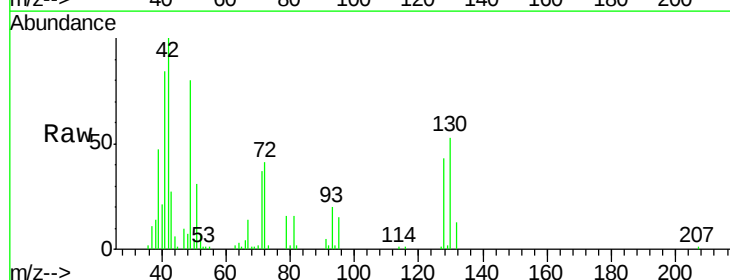
Manual Integrations
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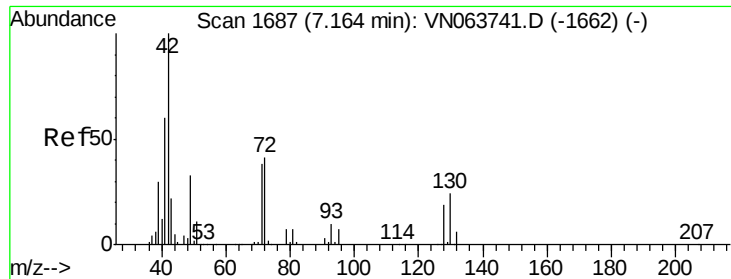
MMDadoda
 10/1/2020 2:39:52 PM



#28
 Bromochloromethane
 Concen: 19.479 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.8
130	68.1	55.6	83.4





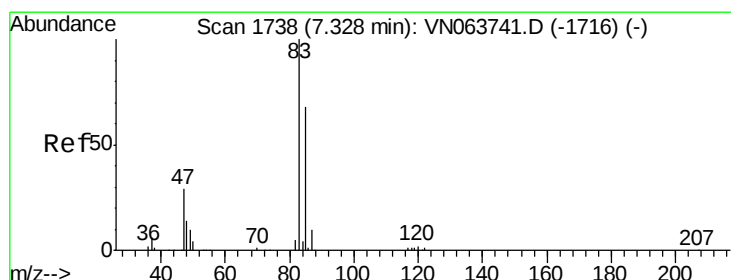
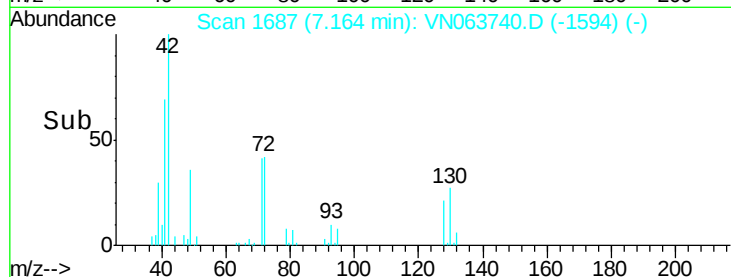
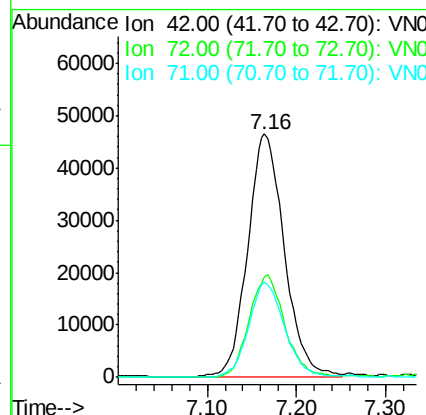
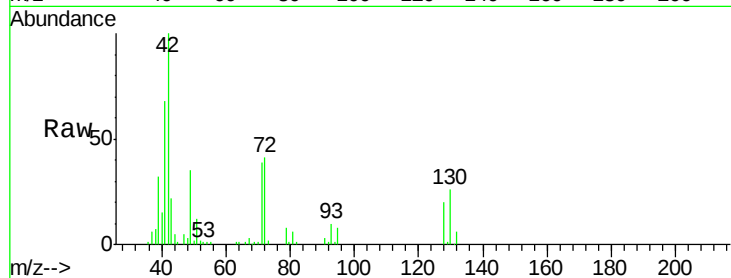
#29
Tetrahydrofuran
Concen: 84.574 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	38.1	30.6	45.8

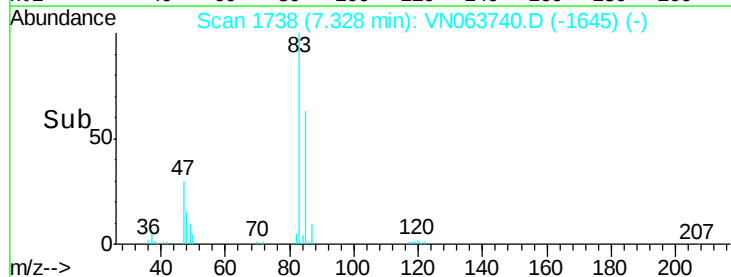
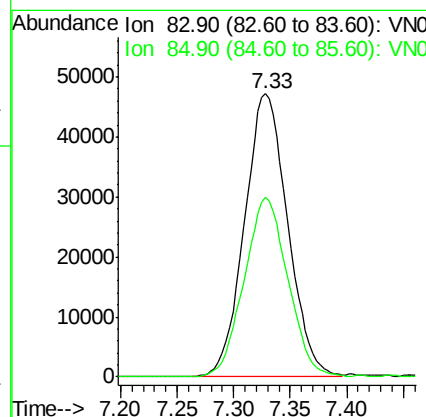
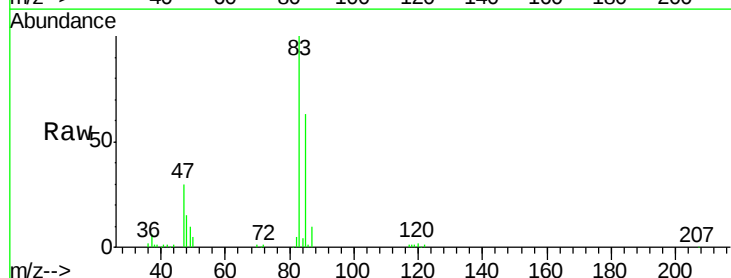
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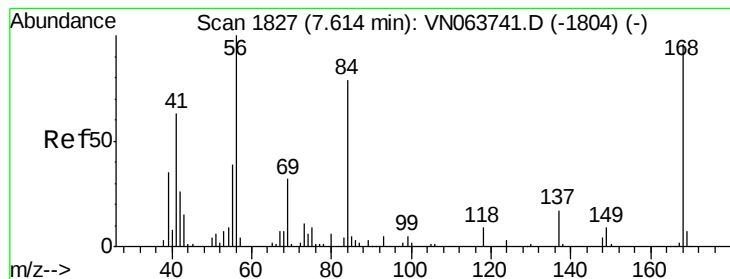
MMDadoda
10/1/2020 2:39:52 PM



#30
Chloroform
Concen: 18.259 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.6	82.0





#31

Cyclohexane

Concen: 16.297 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

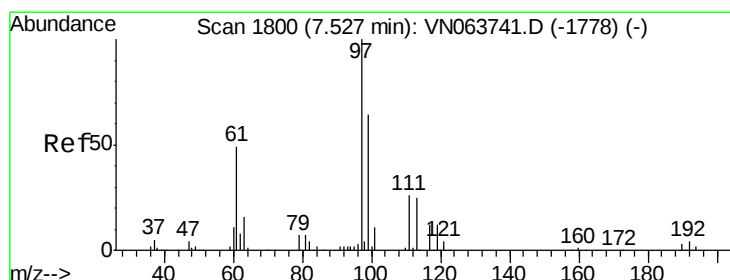
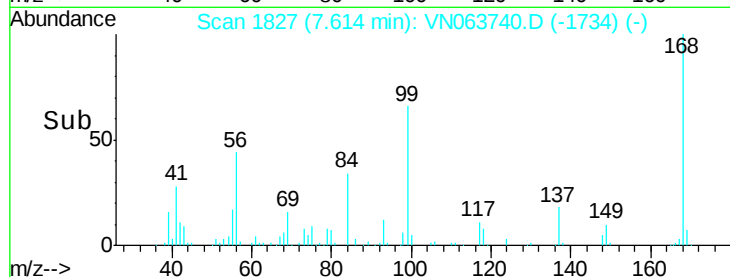
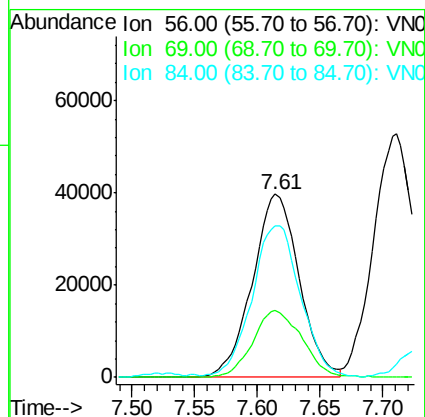
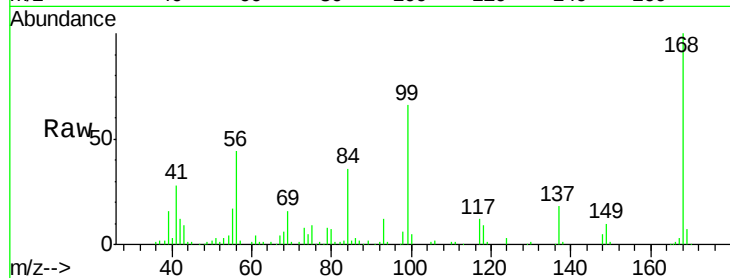
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	103129
Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.4	38.2
84	81.2	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.200 ug/l

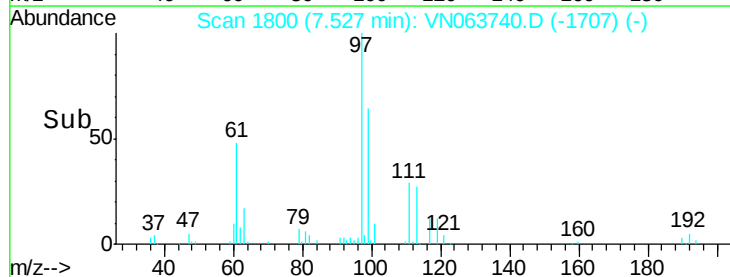
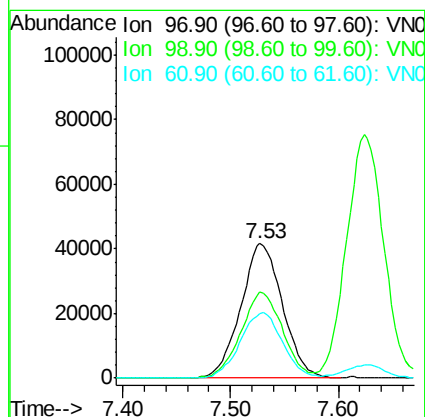
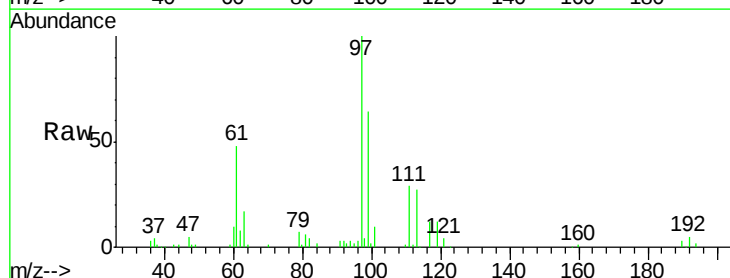
RT: 7.53 min Scan# 1800

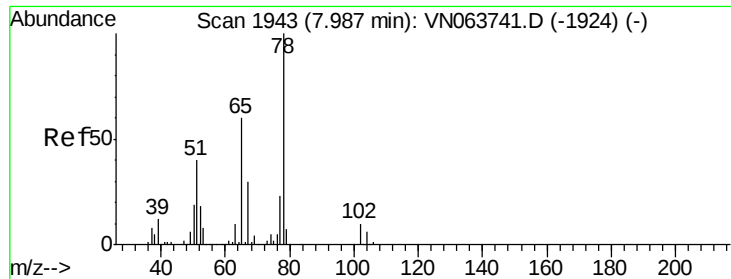
Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	97	Resp:	111827
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	49.6	38.7	58.1





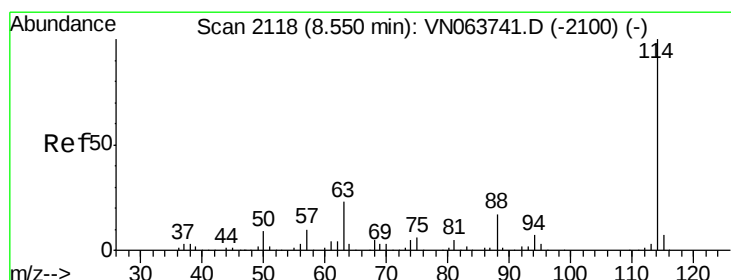
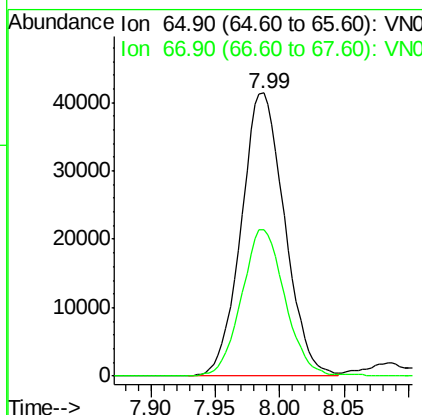
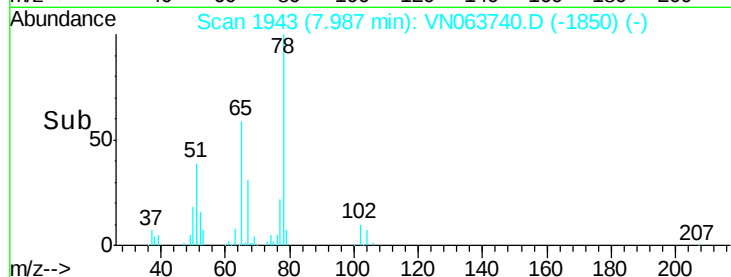
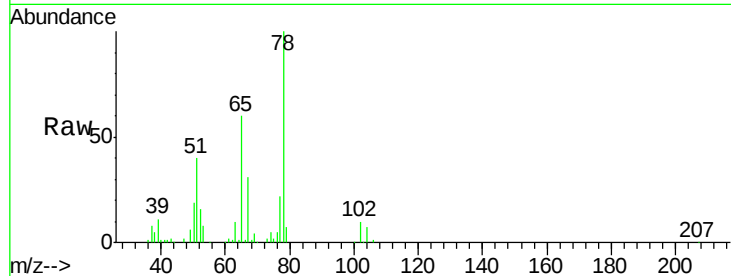
#33
 1,2-Dichloroethane-d4
 Concen: 20.427 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.6

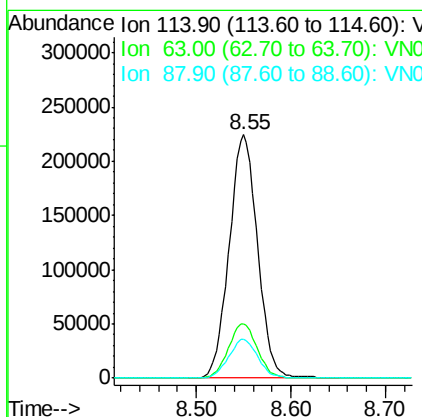
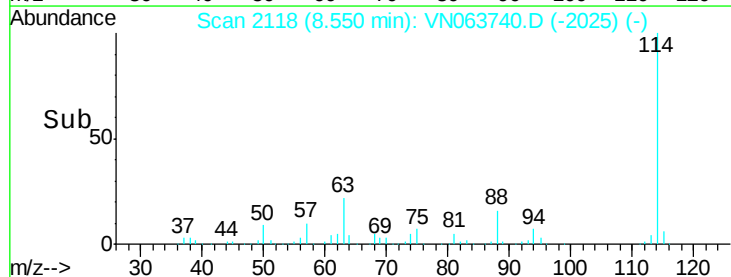
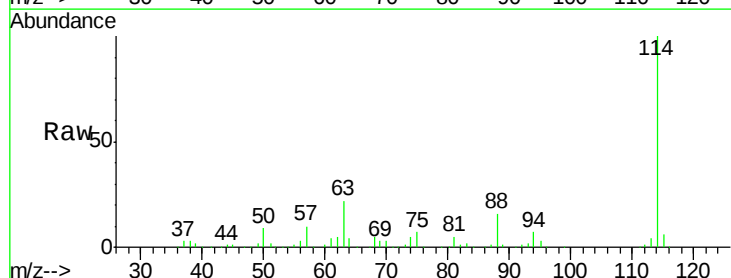
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.0
88	16.0	0.0	34.0





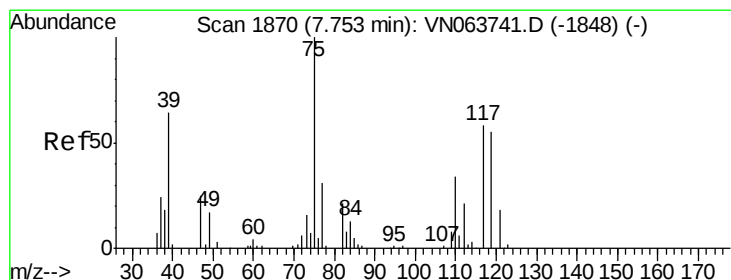
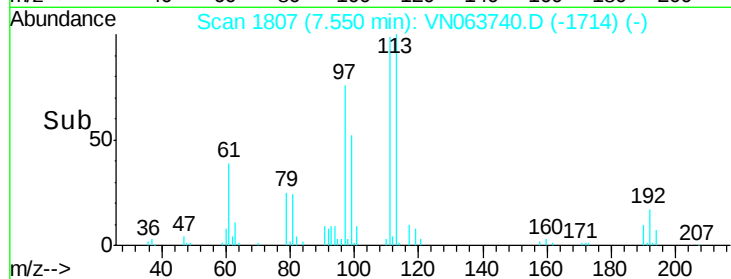
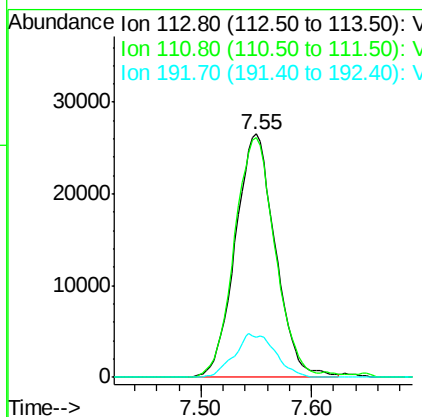
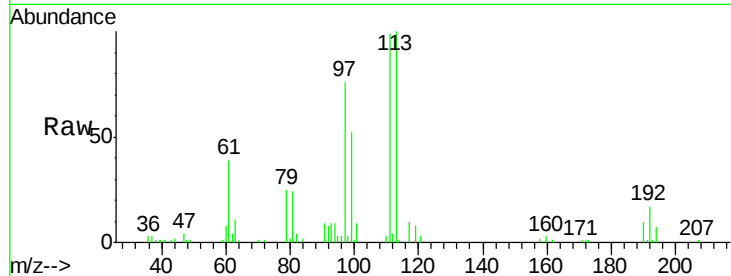
#35
 Dibromofluoromethane
 Concen: 20.562 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.8	122.8
192	18.2	14.2	21.2

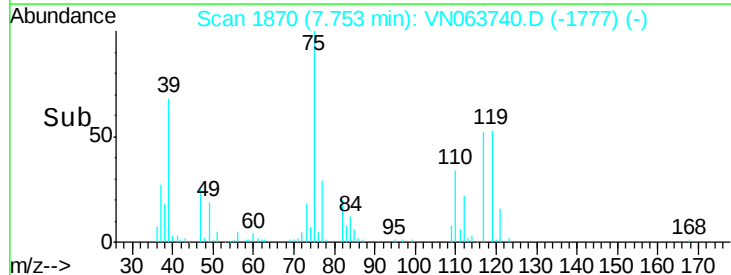
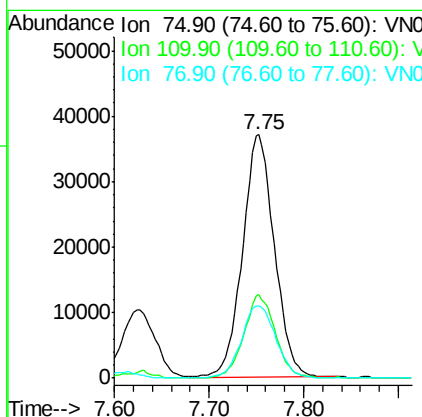
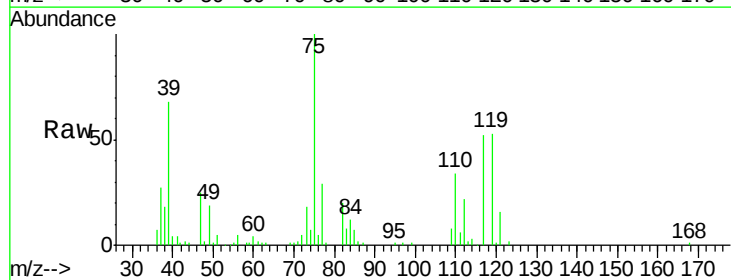
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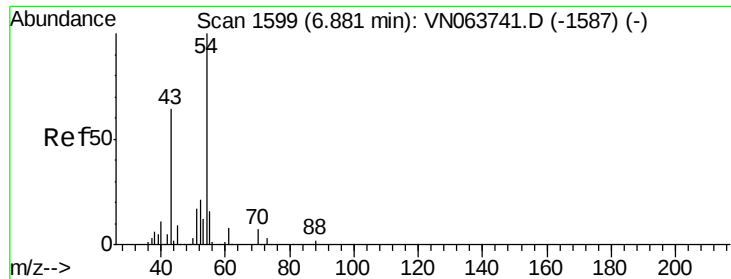
MMDadoda
 10/1/2020 2:39:52 PM



#36
 1,1-Dichloropropene
 Concen: 17.731 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	32.1	24.5	36.7





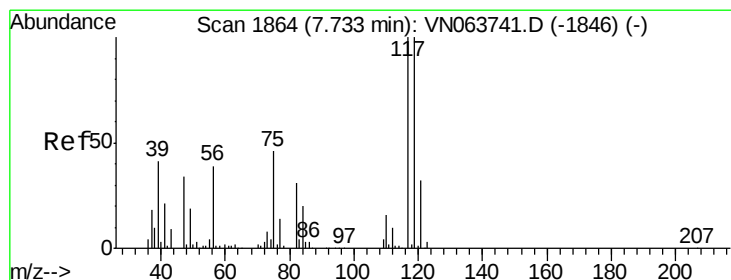
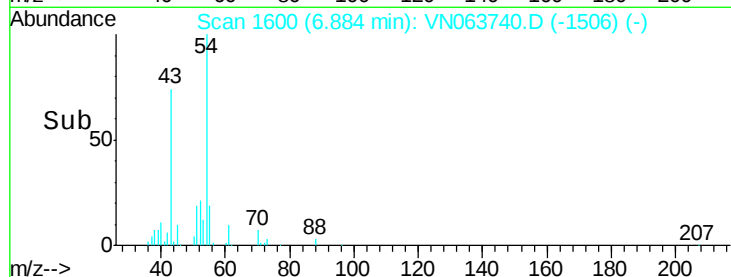
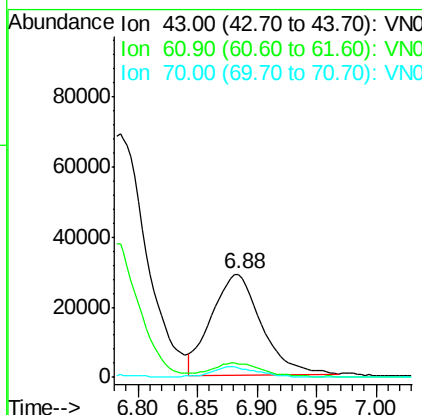
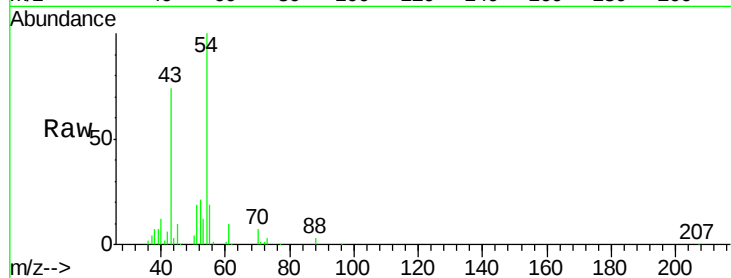
#37
Ethyl Acetate
Concen: 17.468 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.0	7.3	10.9

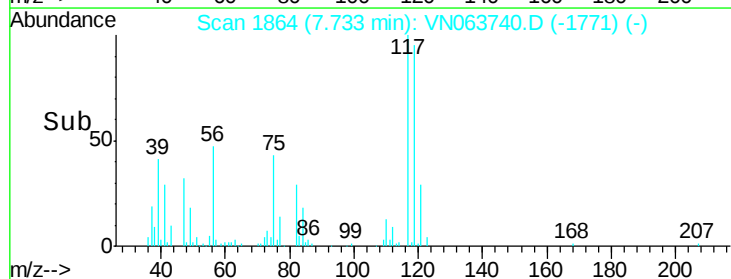
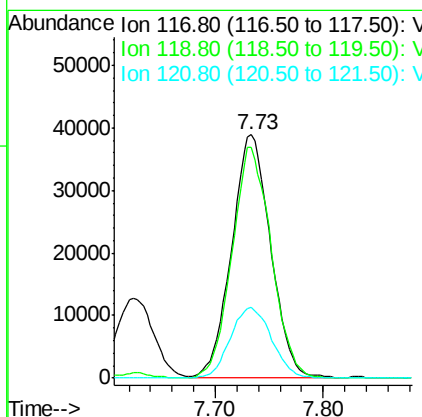
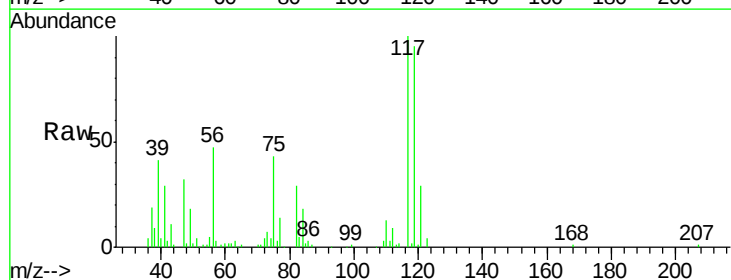
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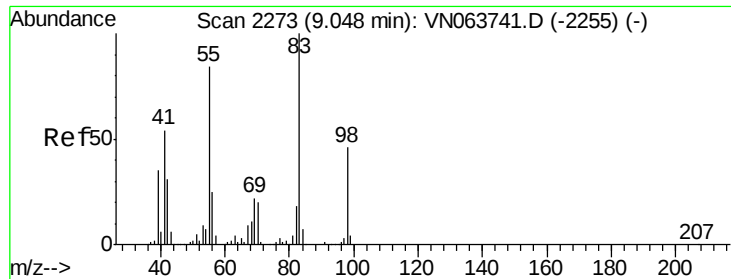
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#38
Carbon Tetrachloride
Concen: 19.451 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	80.1	120.1
121	29.0	25.7	38.5





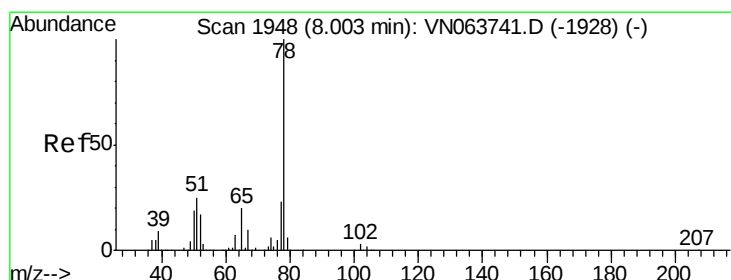
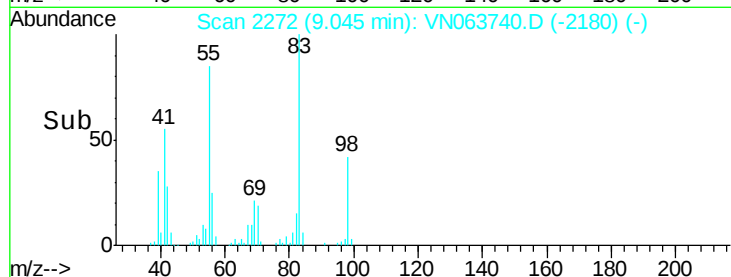
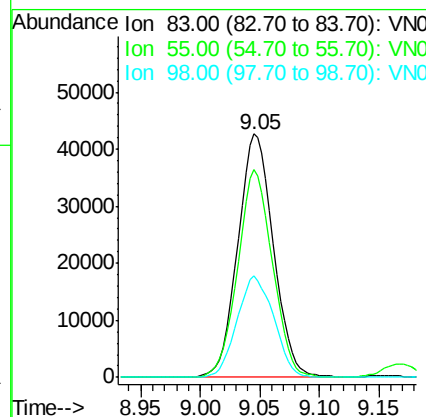
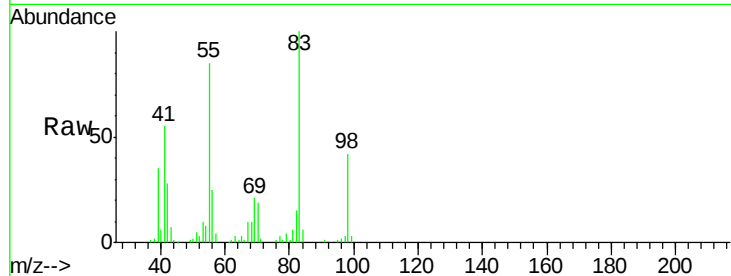
#39
Methvlcvclohexane
Concen: 16.800 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.1	100.7
98	41.8	36.6	54.8

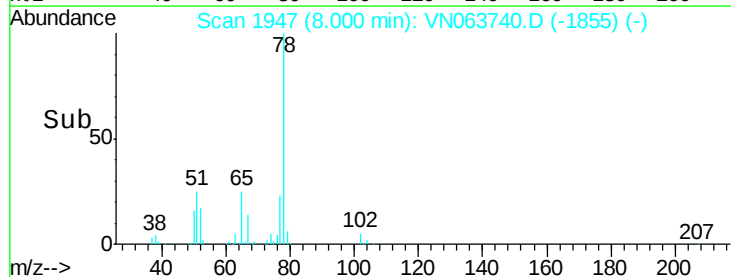
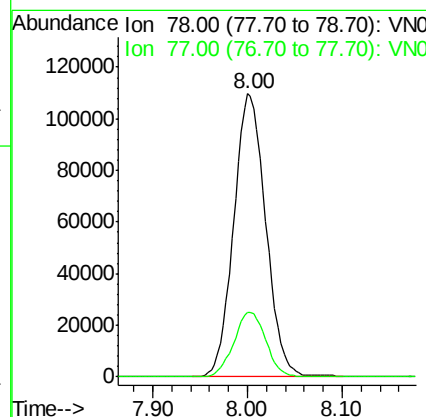
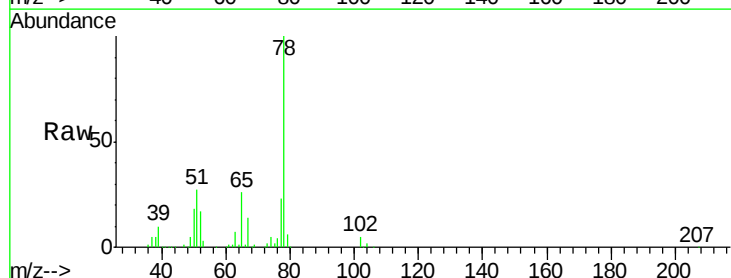
Manual Integrations
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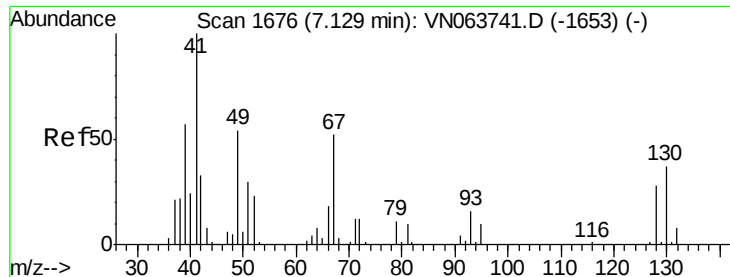
MMDadoda
10/1/2020 2:39:52 PM



#40
Benzene
Concen: 18.484 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





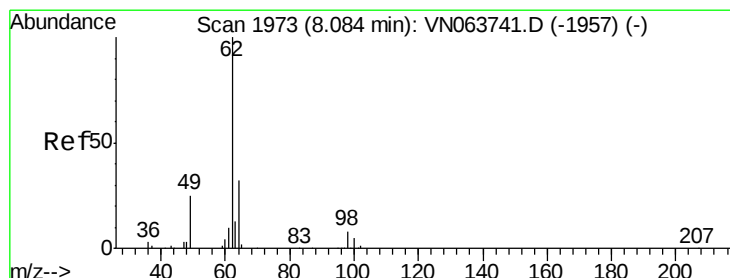
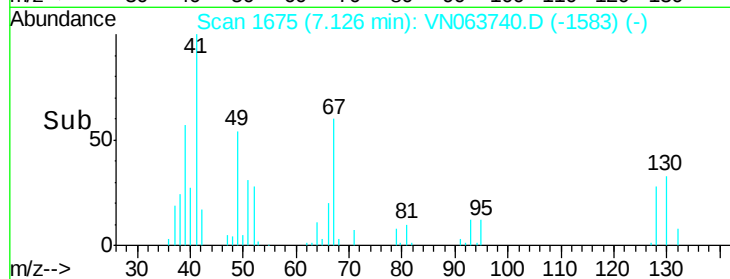
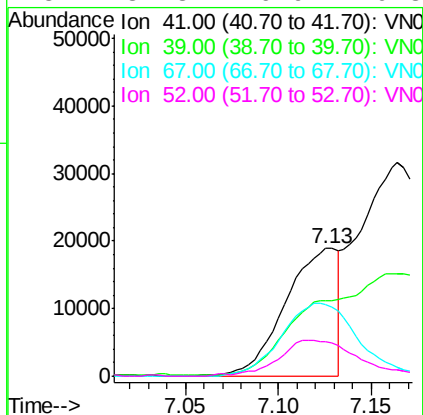
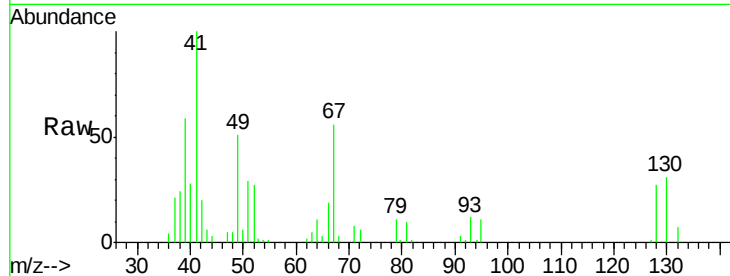
#41
Methacrylonitrile
Concen: 17.109 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	37500
Ion Ratio	Lower	Upper	
41	100		
39	0.0	42.5	63.7#
67	82.2	57.4	86.2
52	37.3	26.9	40.3

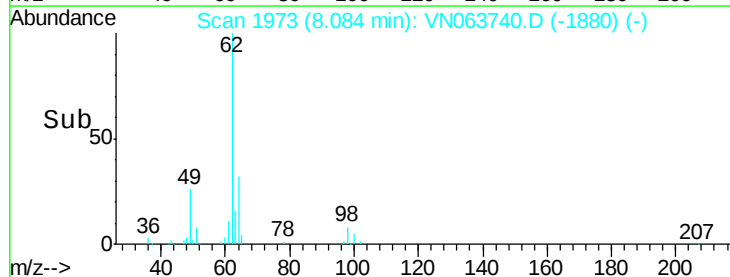
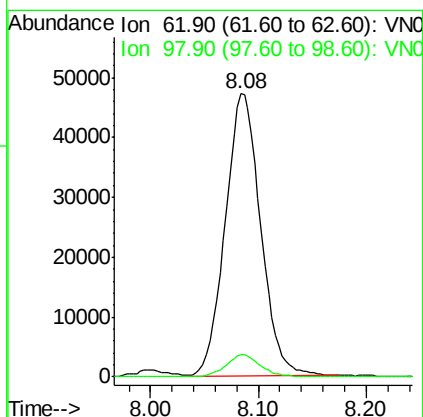
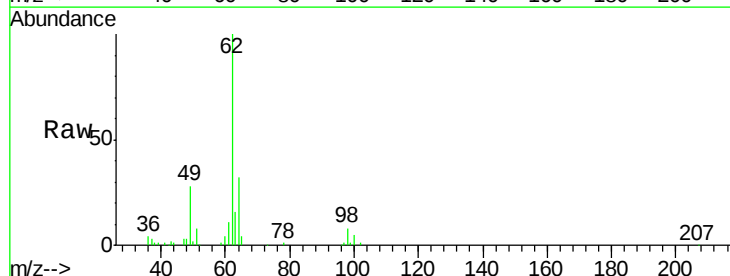
Manual Integrations
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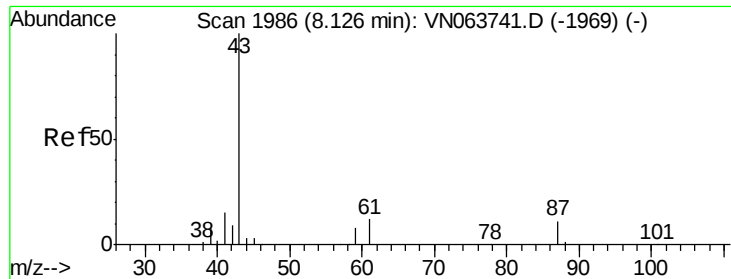
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.021 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	62	Resp	107926
Ion Ratio	Lower	Upper	
62	100		
98	7.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 17.256 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

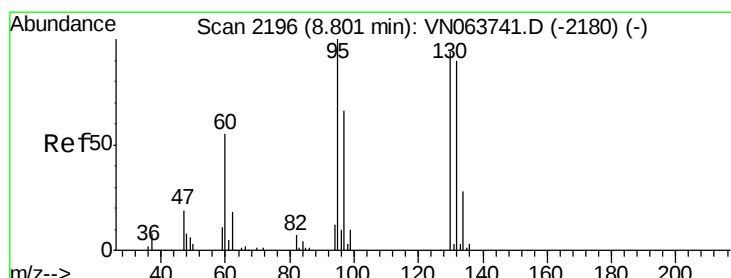
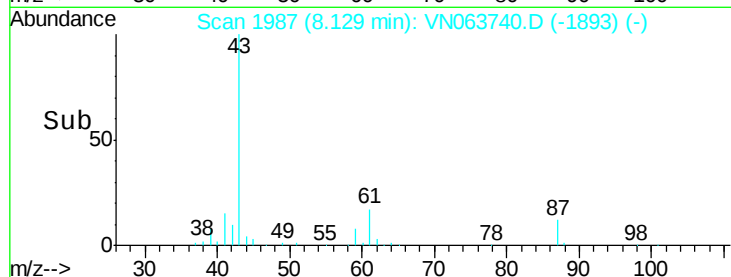
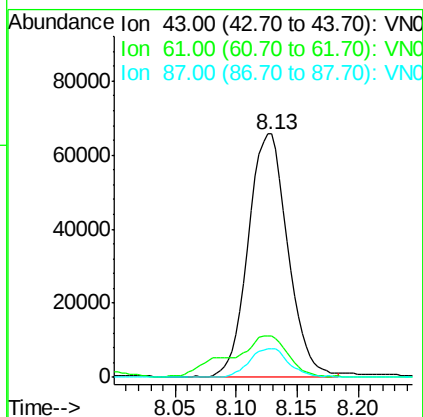
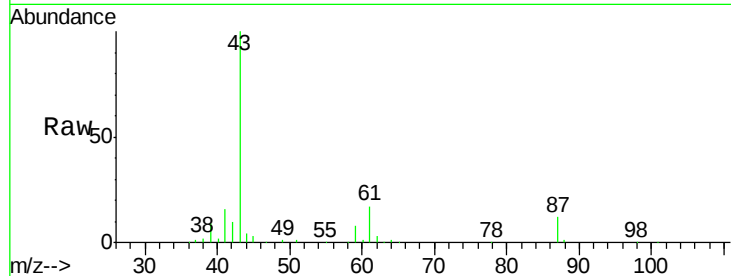
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	148014
Ion	Ratio	Lower	Upper
43	100		
61	16.8	14.2	21.4
87	11.8	9.0	13.6

Manual Integrations
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MMDadoda
10/1/2020 2:39:52 PM



#44

Trichloroethene

Concen: 19.308 ug/l

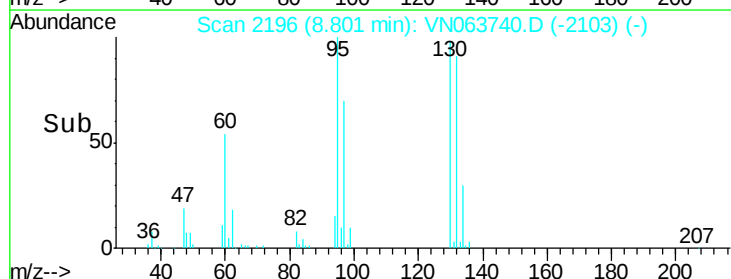
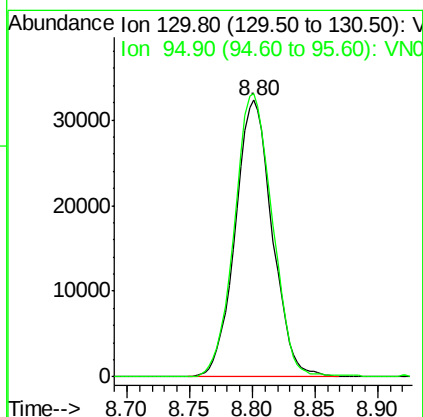
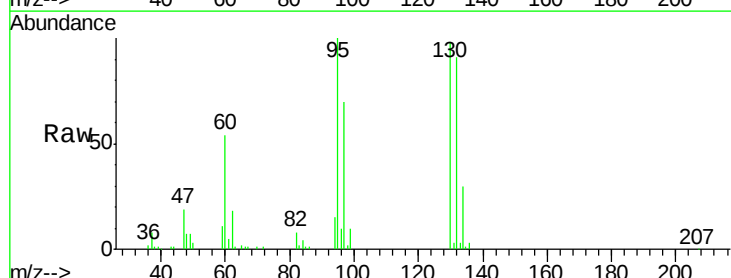
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	130	Resp:	66240
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	213.6





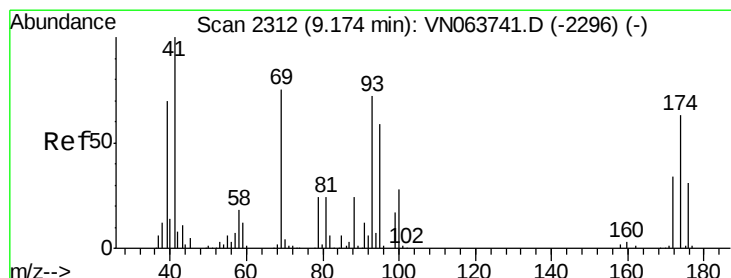
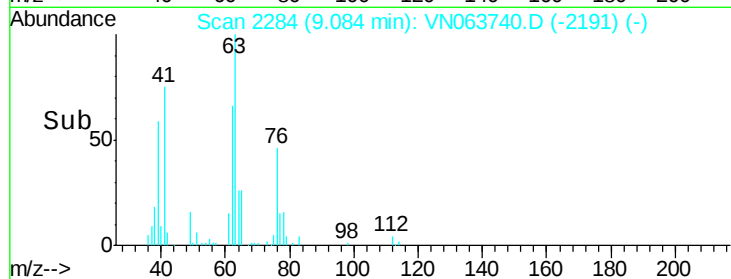
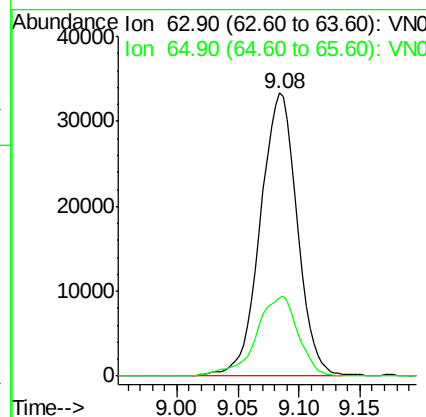
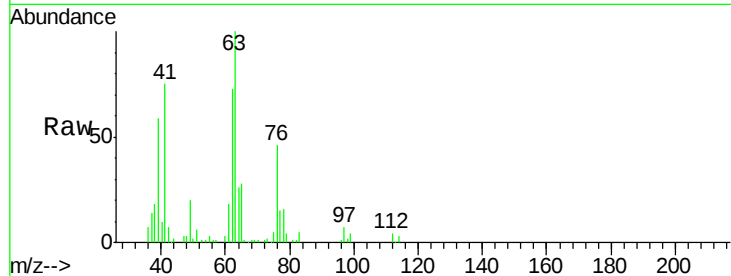
#45
 1,2-Dichloropropane
 Concen: 18.408 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 69969
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.7 37.1

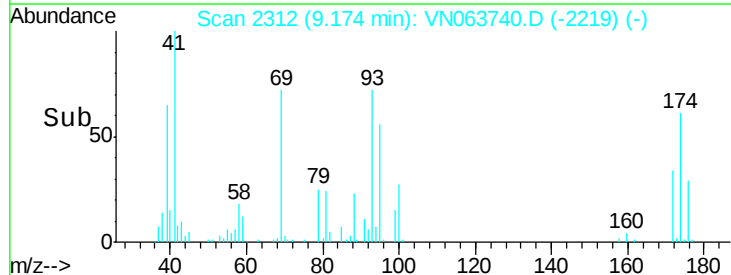
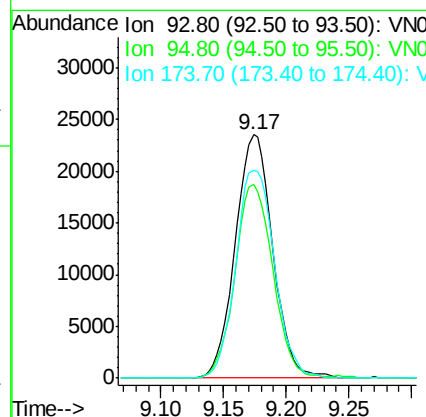
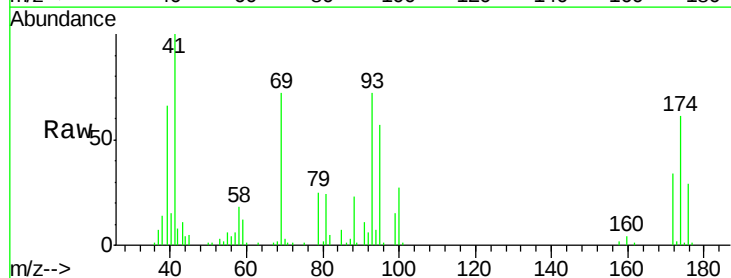
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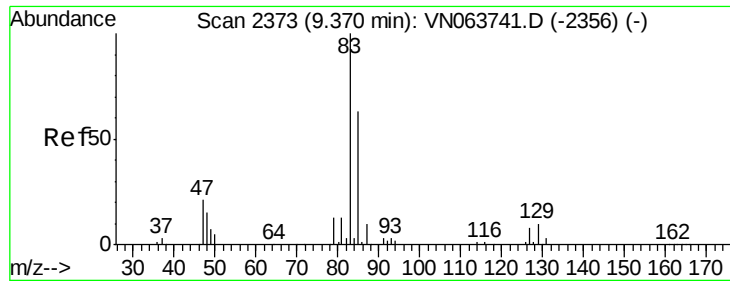
MMDadoda
 10/1/2020 2:39:52 PM



#46
 Dibromomethane
 Concen: 19.475 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion: 93 Resp: 48922
 Ion Ratio Lower Upper
 93 100
 95 80.6 66.3 99.5
 174 88.3 72.7 109.1





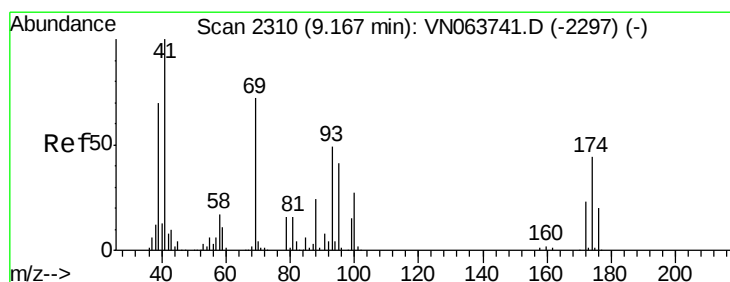
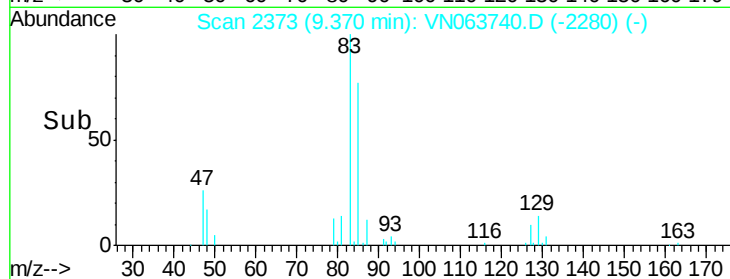
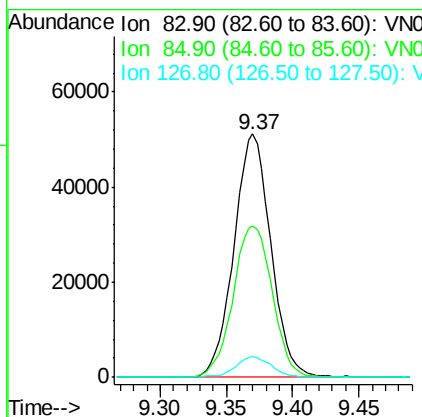
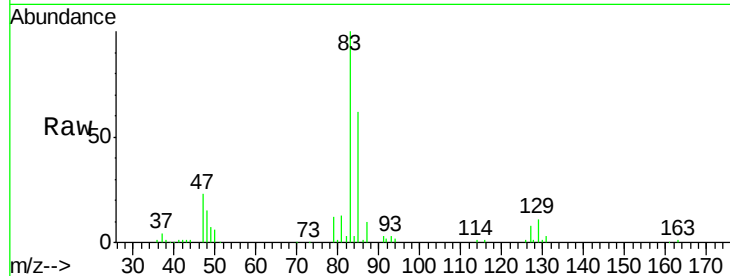
#47
Bromodichloromethane
Concen: 18.872 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	98973
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.6	75.8
127	8.4	6.6	9.8

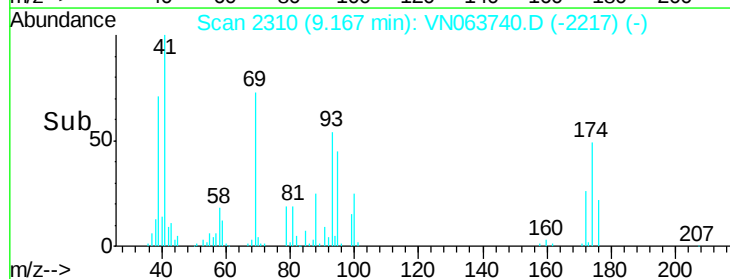
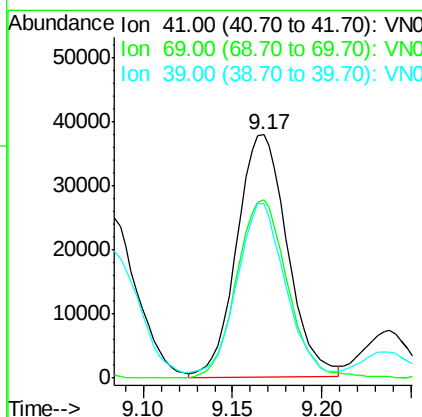
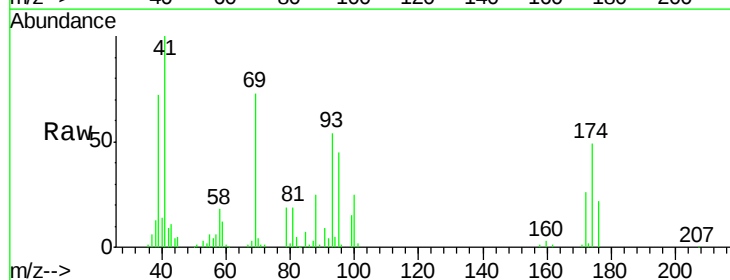
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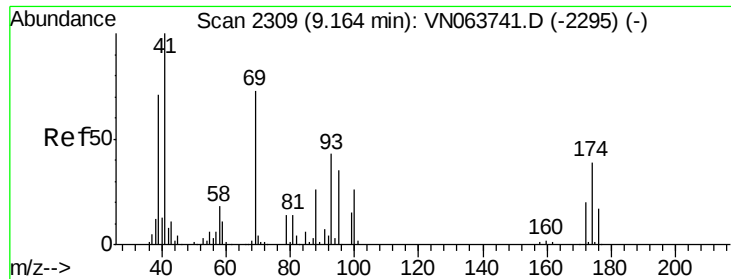
MMDadoda
10/1/2020 2:39:52 PM



#48
Methyl methacrylate
Concen: 17.844 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion:	41	Resp:	74917
Ion	Ratio	Lower	Upper
41	100		
69	74.3	60.9	91.3
39	68.2	57.5	86.3





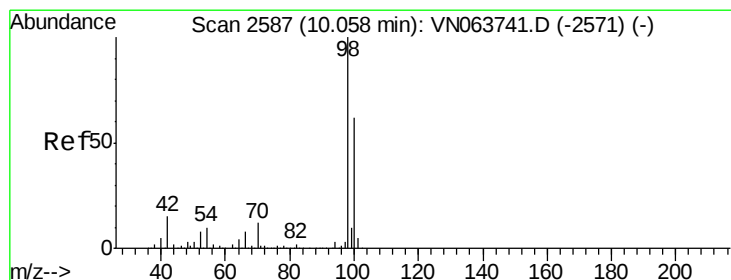
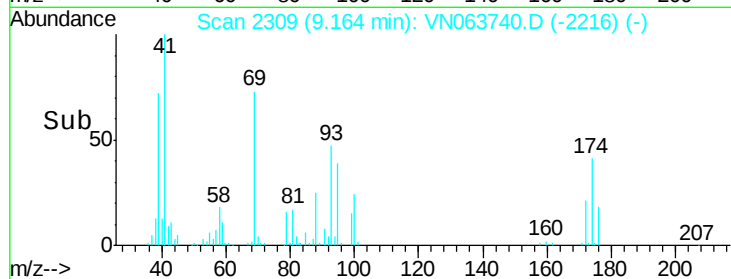
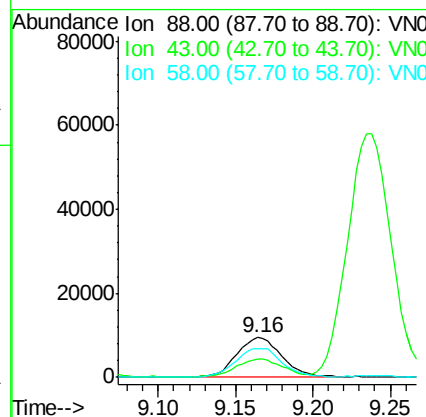
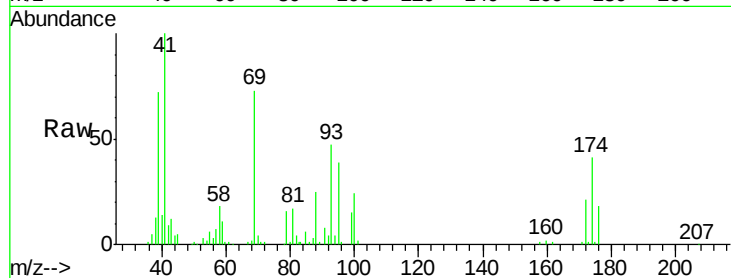
#49
1,4-Dioxane
Concen: 324.161 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	19444
Ion	Ratio	Lower	Upper
88	100		
43	48.4	33.1	49.7
58	74.4	58.9	88.3

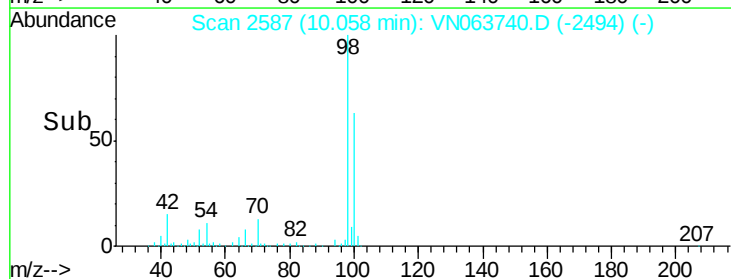
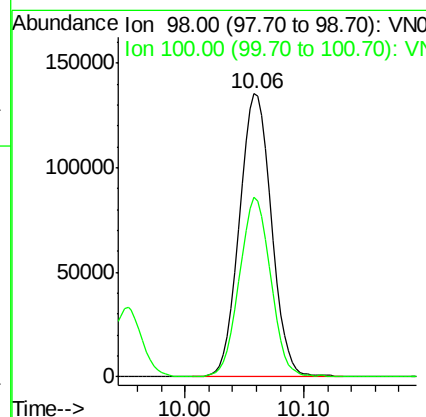
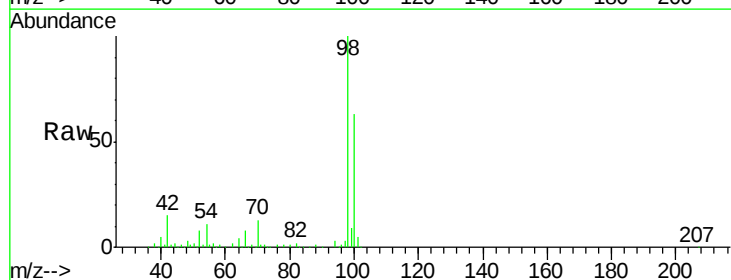
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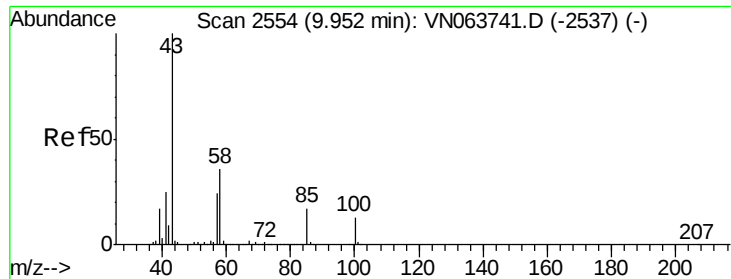
MMDadoda
10/1/2020 2:39:52 PM



#50
Toluene-d8
Concen: 20.910 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	98	Resp	253365
Ion	Ratio	Lower	Upper
98	100		
100	61.6	49.8	74.6





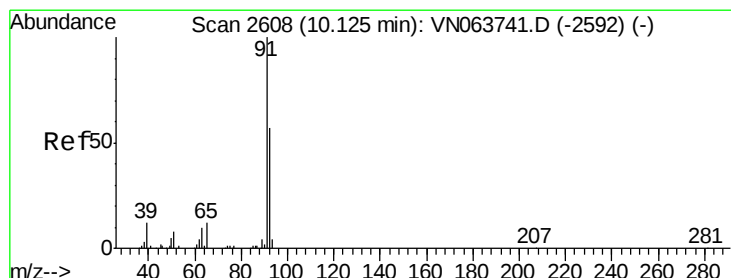
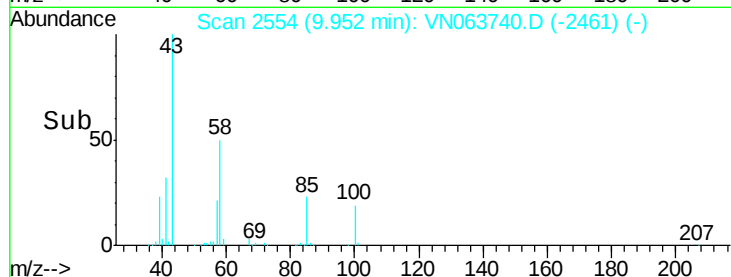
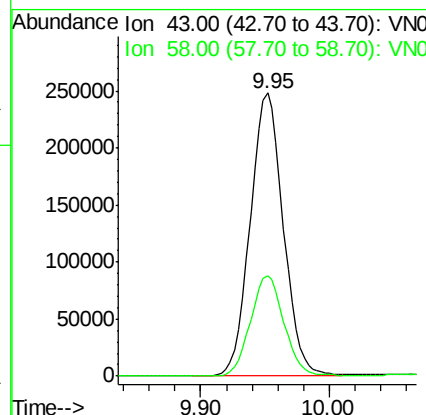
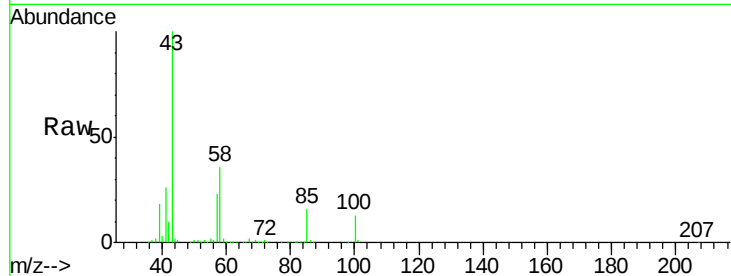
#51
4-Methyl-2-Pentanone
Concen: 91.413 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	442504
Ion Ratio	100	Lower	Upper
43	100		
58	36.2	28.4	42.6

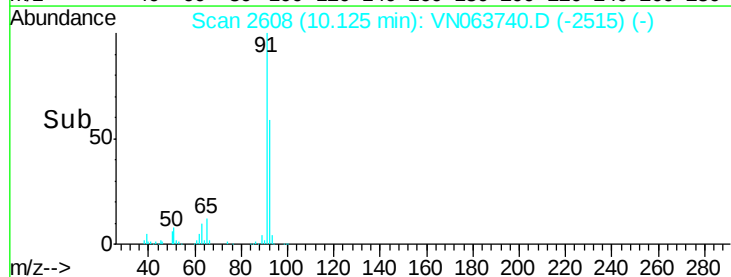
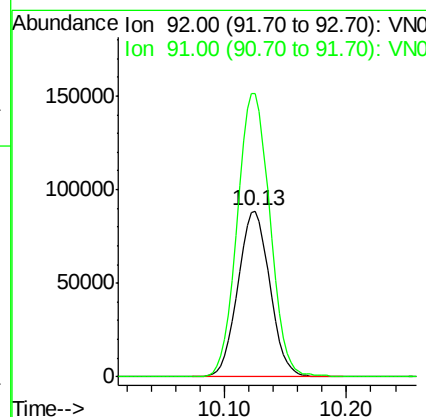
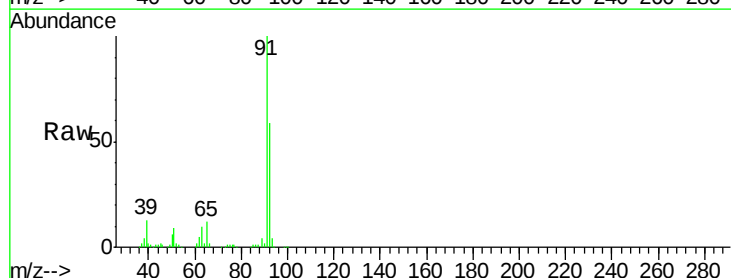
Manual Integrations
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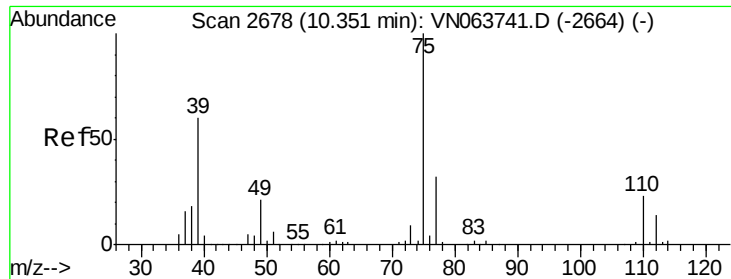
MMDadoda
10/1/2020 2:39:52 PM



#52
Toluene
Concen: 19.104 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	92	Resp	161255
Ion Ratio	100	Lower	Upper
92	100		
91	174.6	140.6	210.8





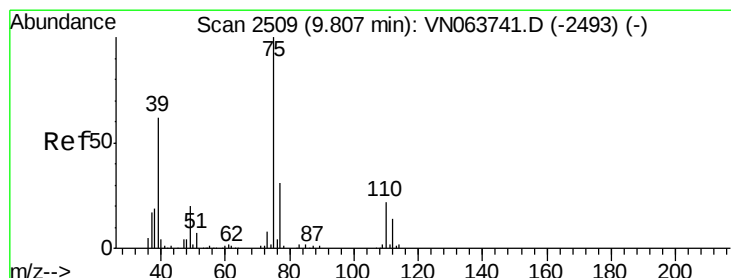
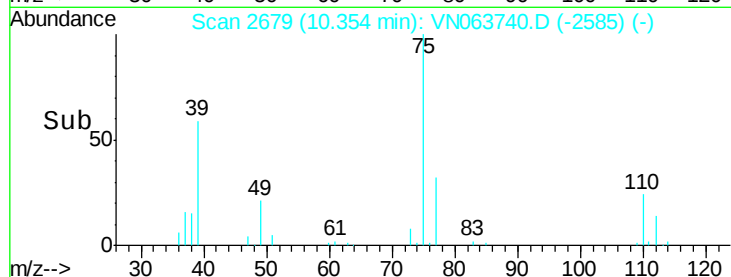
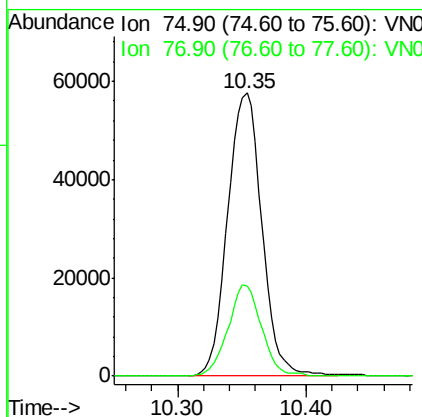
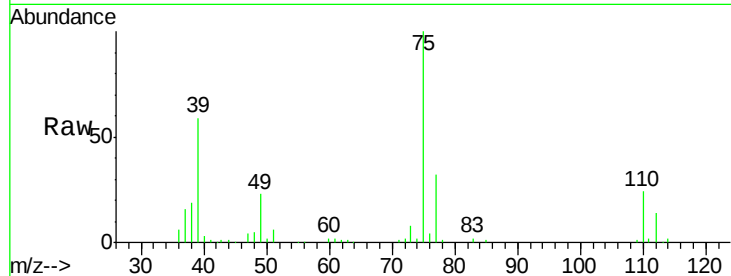
#53
t-1,3-Dichloropropene
Concen: 18.275 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 106392
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

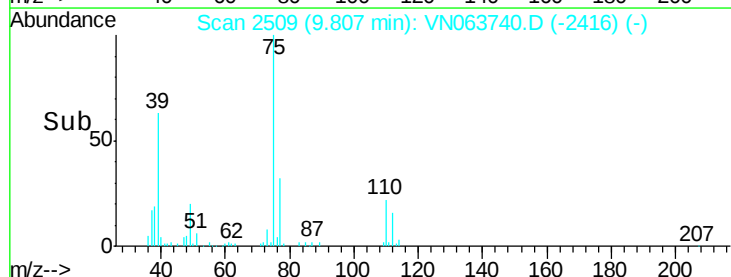
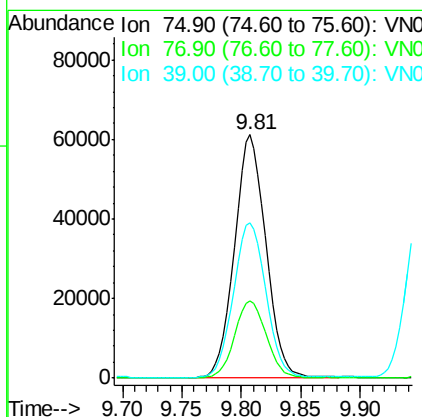
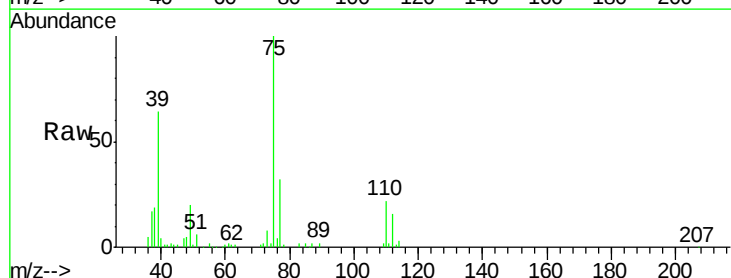
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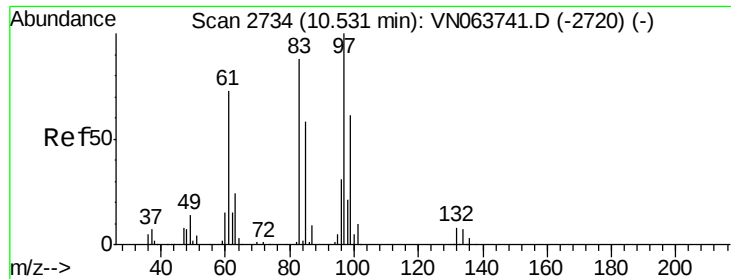
MMDadoda
10/1/2020 2:39:52 PM



#54
cis-1,3-Dichloropropene
Concen: 18.329 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 75 Resp: 112172
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 63.5 49.7 74.5





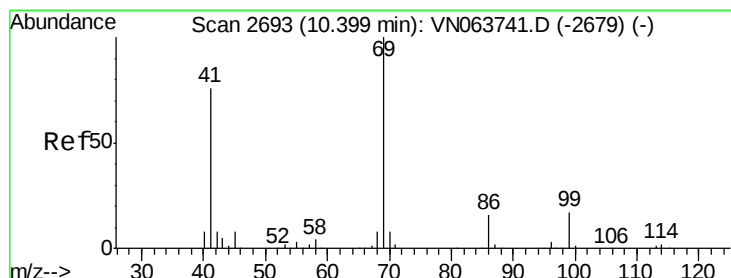
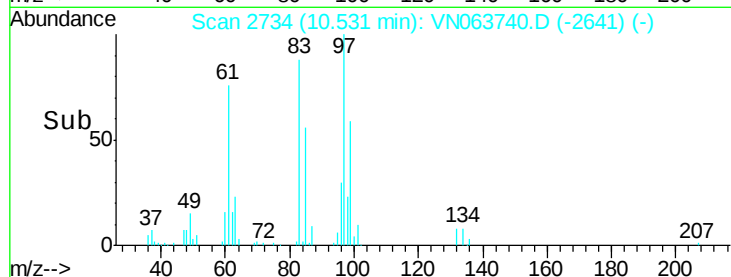
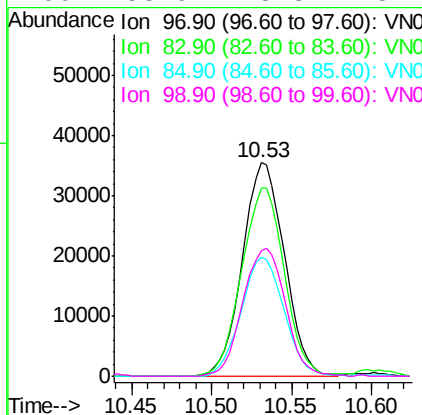
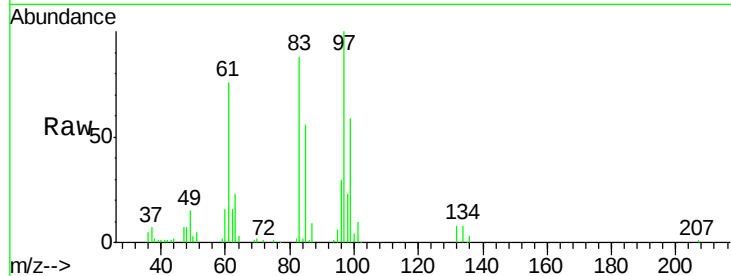
#55
 1,1,2-Trichloroethane
 Concen: 18.881 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	63632
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.7	106.1
85	55.8	46.1	69.1
99	58.9	48.8	73.2

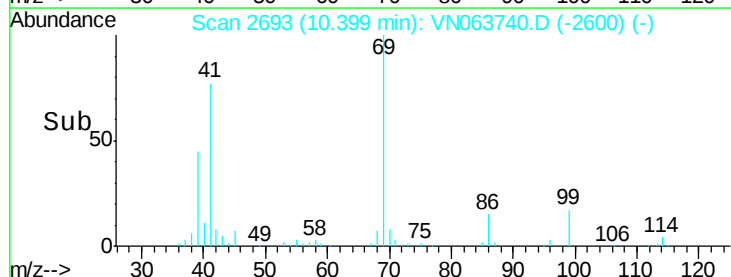
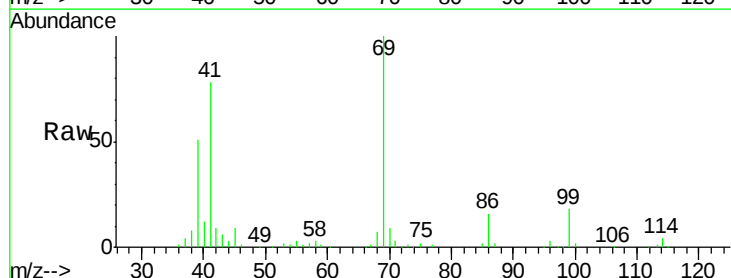
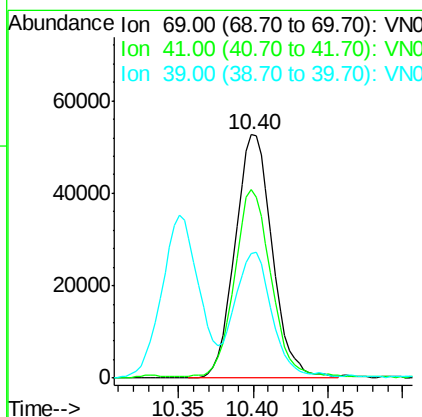
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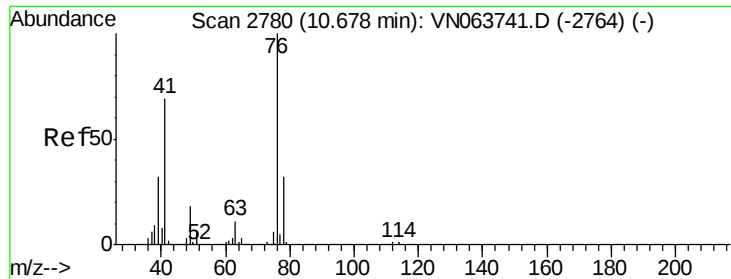
MMDadoda
 10/1/2020 2:39:52 PM



#56
 Ethyl methacrylate
 Concen: 17.540 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion:	69	Resp:	91309
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.1	91.7
39	48.7	42.2	63.4





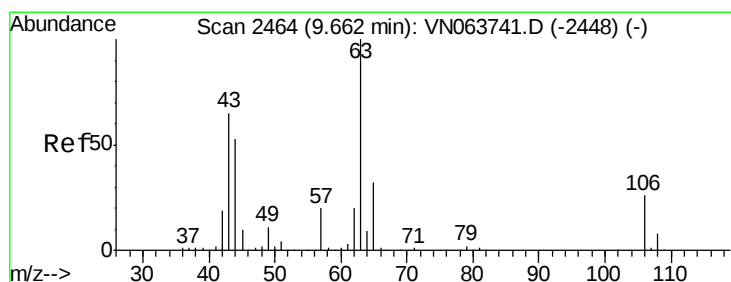
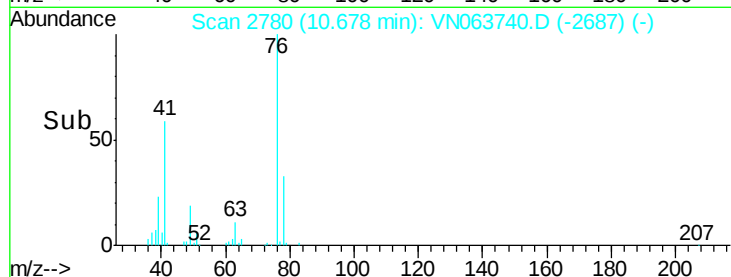
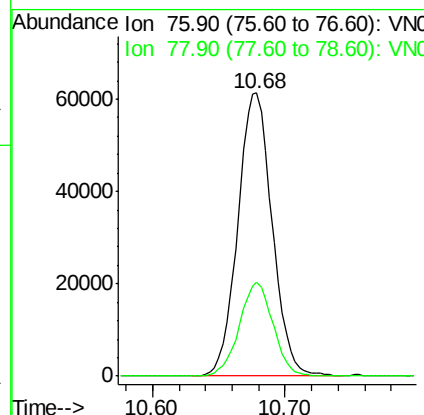
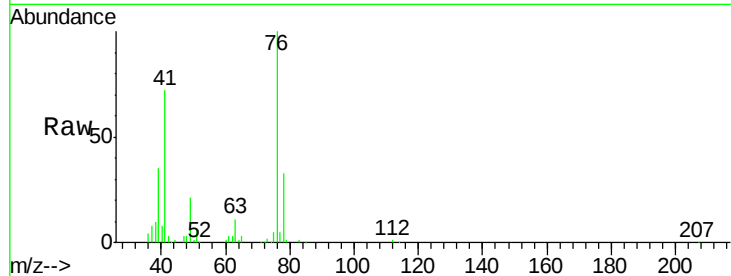
#57
 1,3-Dichloropropane
 Concen: 18.287 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.2	37.8

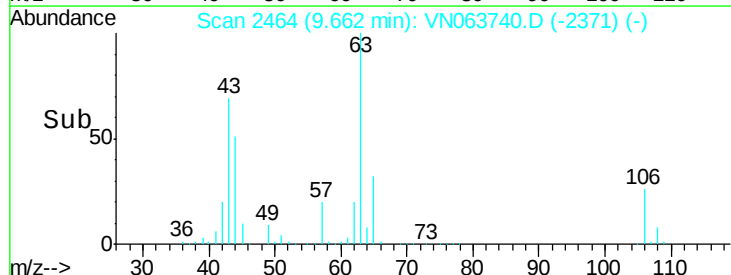
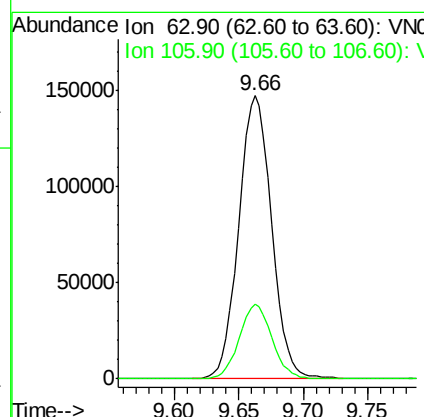
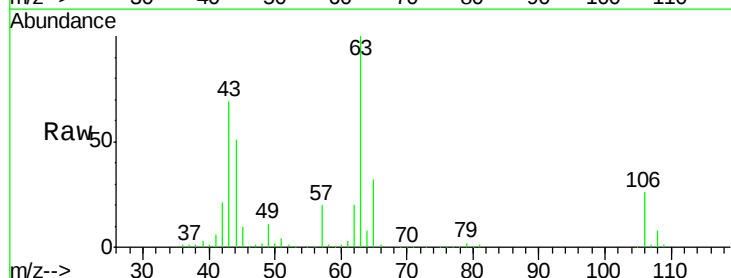
Manual Integrations
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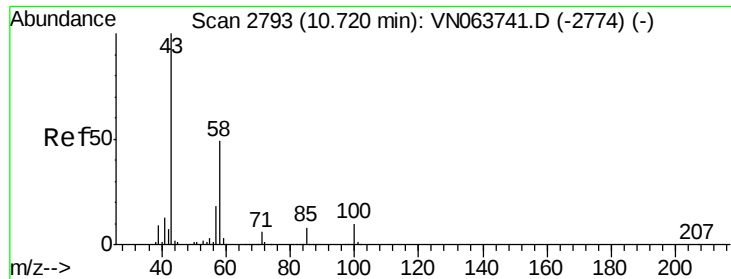
MMDadoda
 10/1/2020 2:39:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.657 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	20.7	31.1





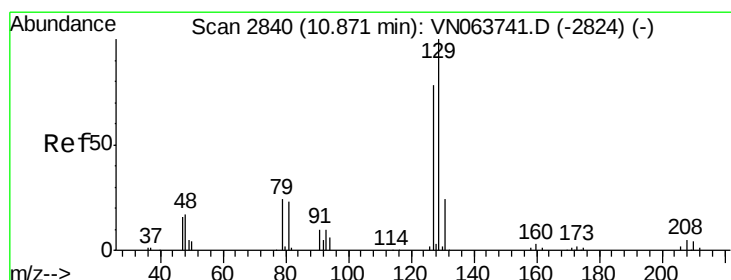
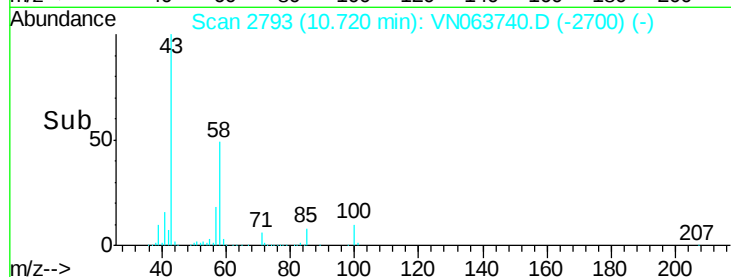
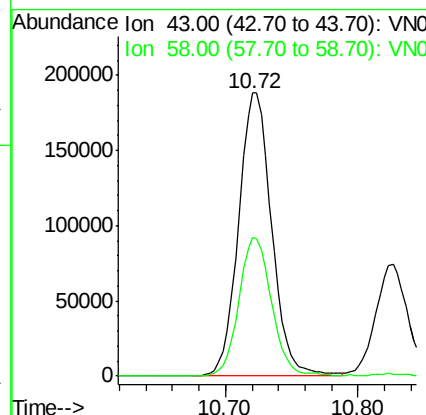
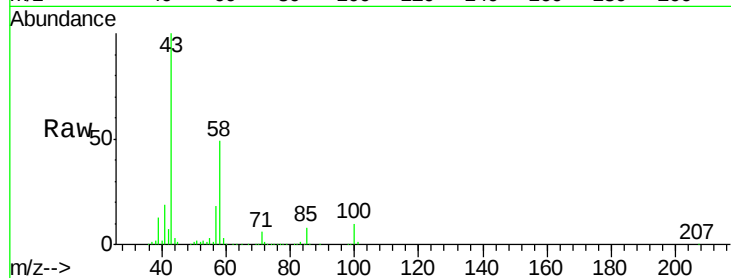
#59
2-Hexanone
Concen: 92.578 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 324823
Ion Ratio Lower Upper
43 100
58 48.6 24.6 73.8

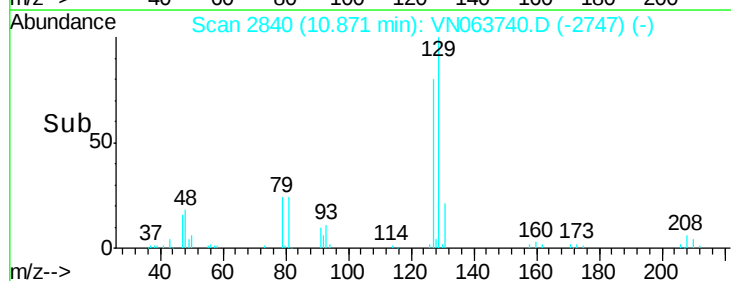
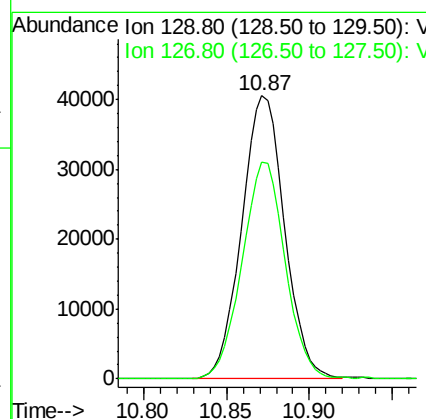
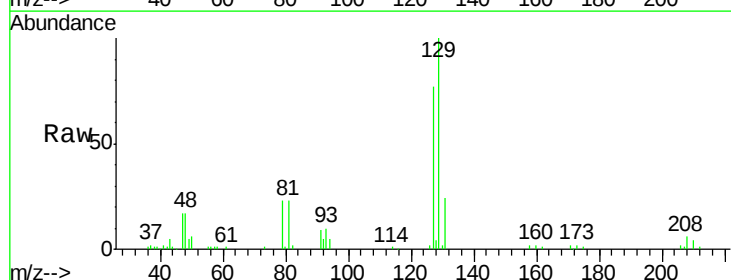
Manual Integrations
APPROVED

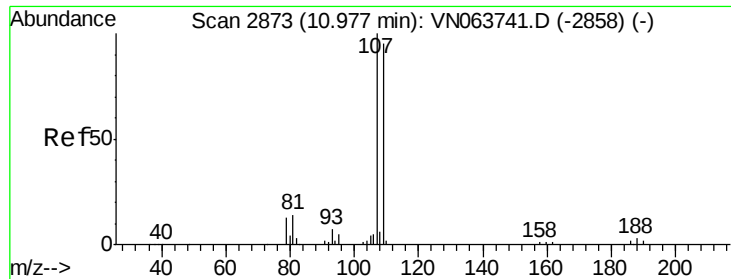
MMDadoda
10/1/2020 2:39:52 PM



#60
Dibromochloromethane
Concen: 19.144 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 129 Resp: 72984
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





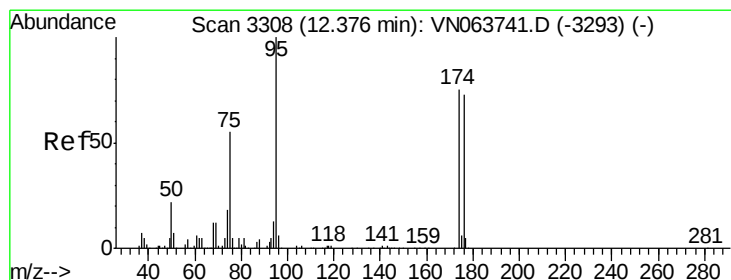
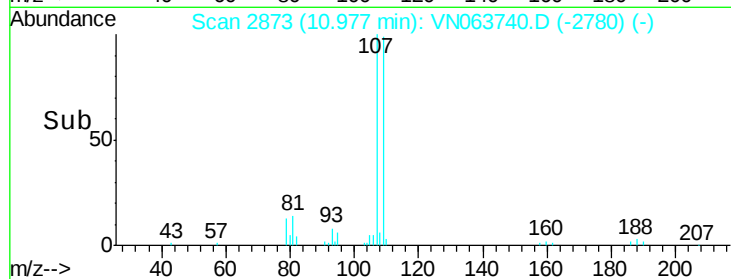
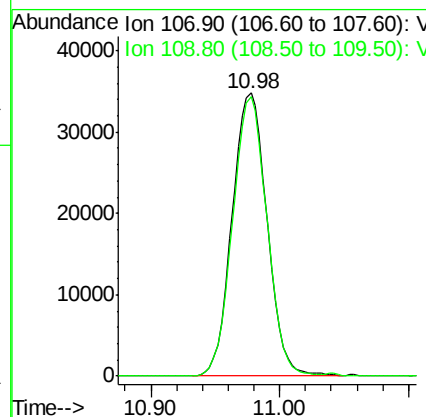
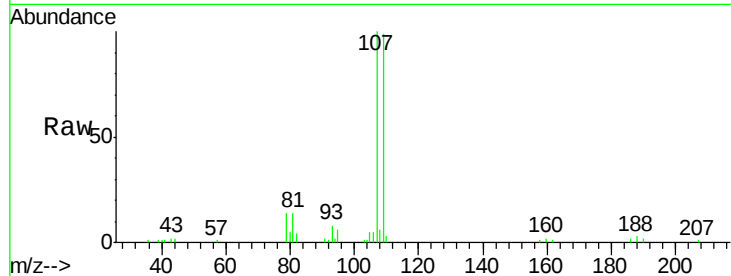
#61
 1,2-Dibromoethane
 Concen: 18.702 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	74.8	112.2

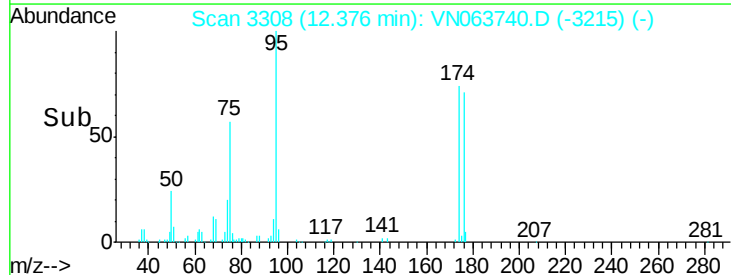
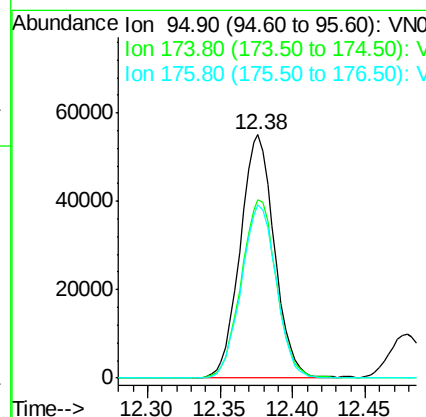
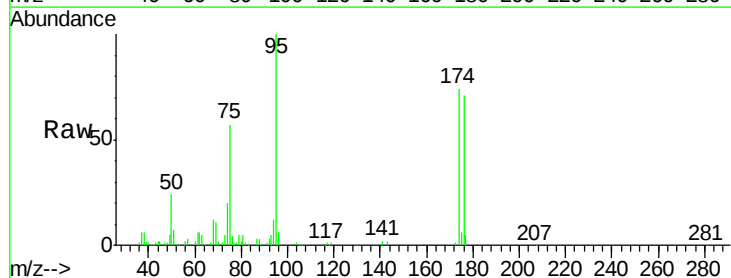
Manual Integrations
 APPROVED

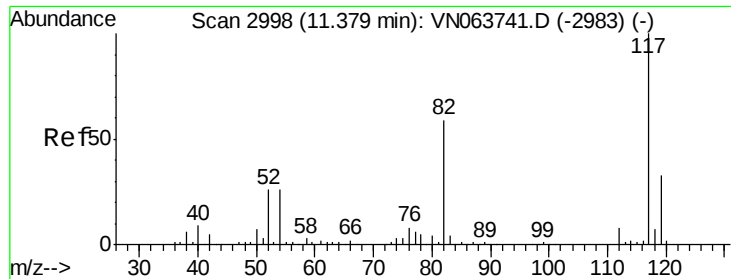
MMDadoda
 10/1/2020 2:39:52 PM



#62
 4-Bromofluorobenzene
 Concen: 20.234 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.6
176	72.5	0.0	145.4





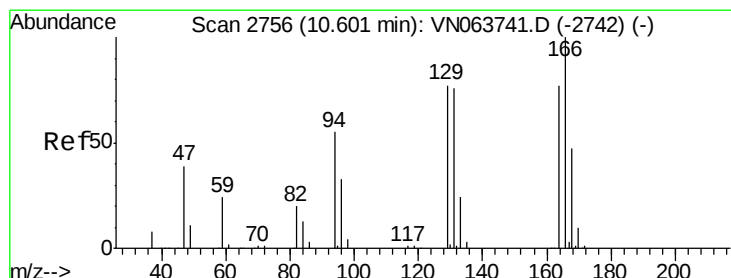
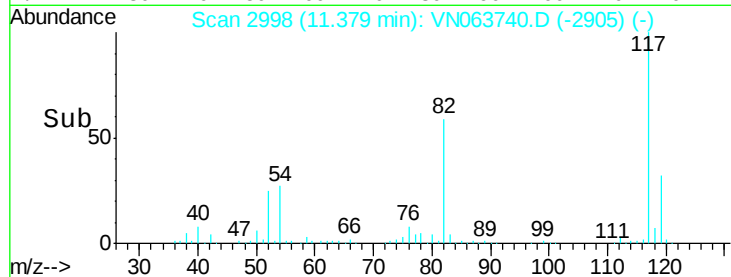
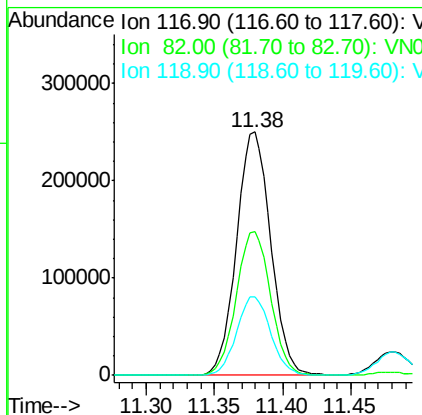
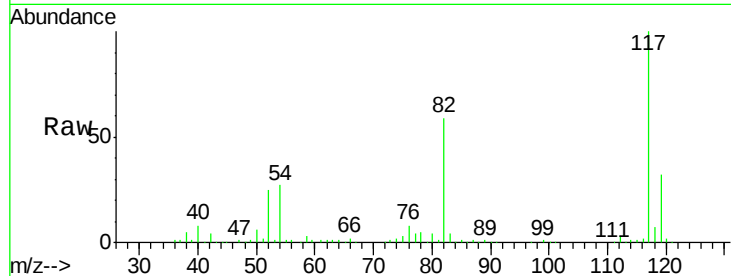
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.4	71.2
119	32.4	26.4	39.6

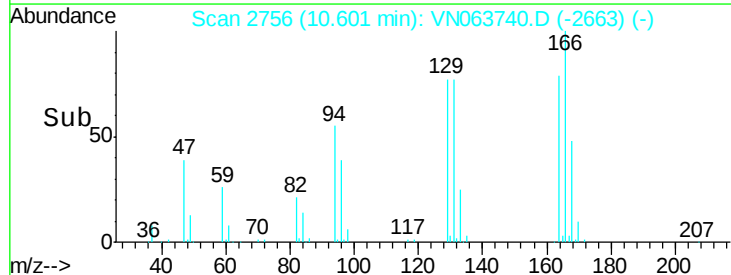
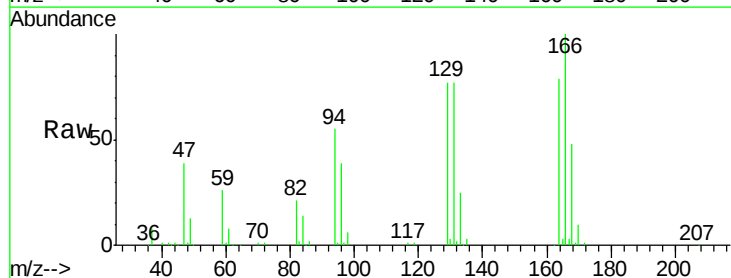
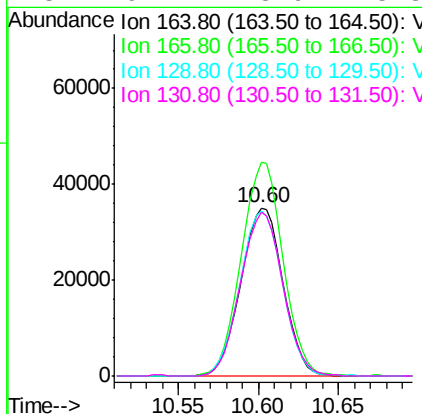
Manual Integrations
APPROVED

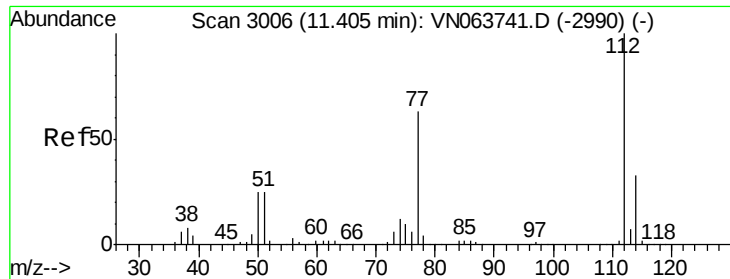
MMDadoda
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#64
Tetrachloroethene
Concen: 21.042 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.9	155.9
129	98.1	80.3	120.5
131	97.2	78.9	118.3





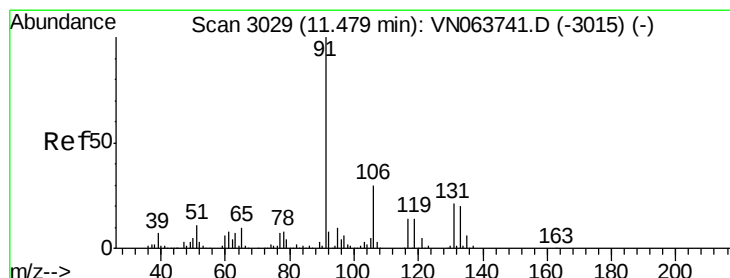
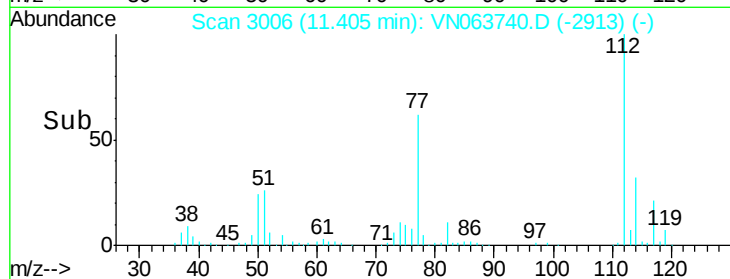
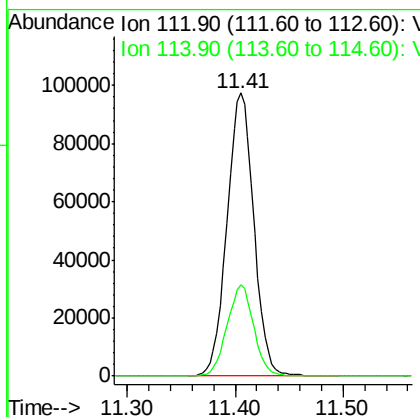
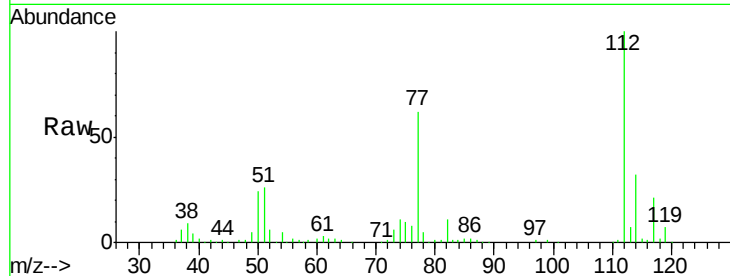
#65
Chlorobenzene
Concen: 18.497 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 168972
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1

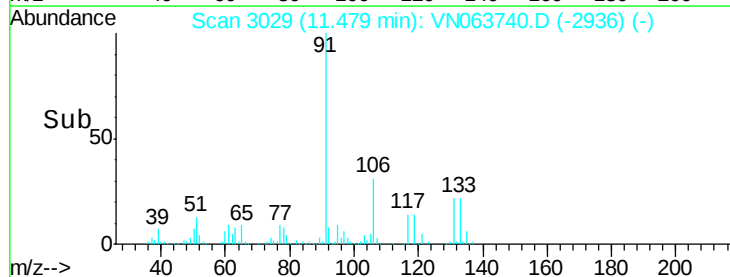
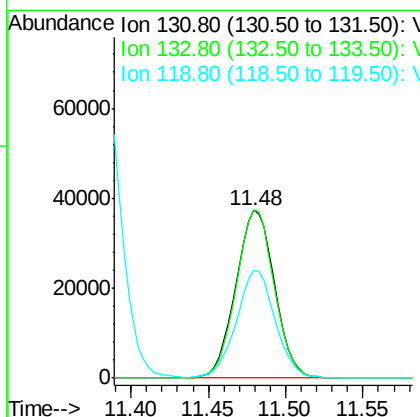
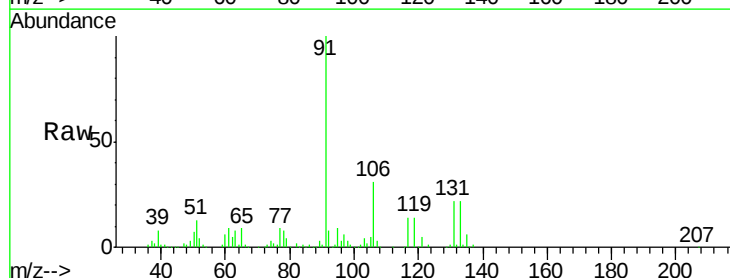
Manual Integrations
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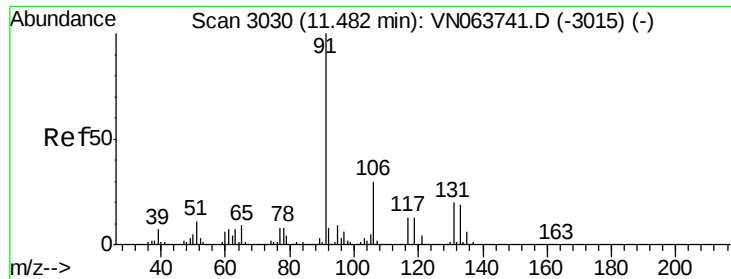
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.220 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion:131 Resp: 64905
Ion Ratio Lower Upper
131 100
133 98.3 47.3 141.8
119 64.6 32.6 97.7





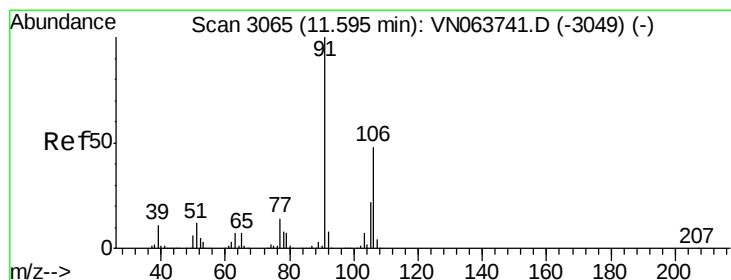
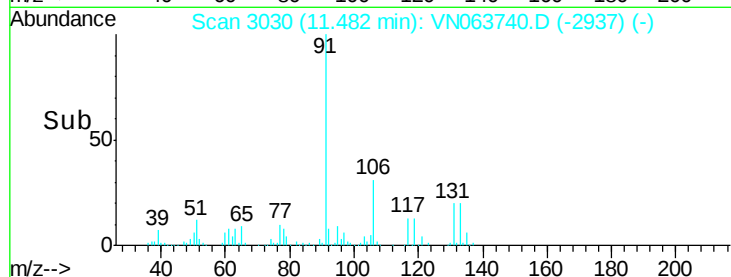
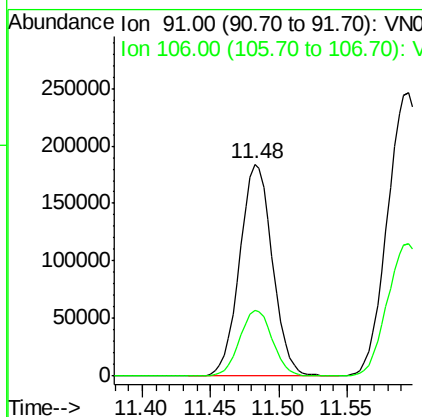
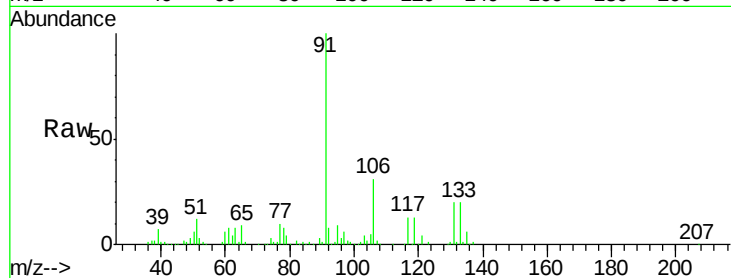
#67
Ethyl Benzene
Concen: 17.901 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 307986
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2

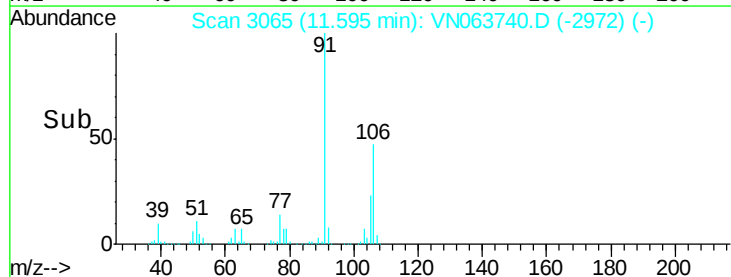
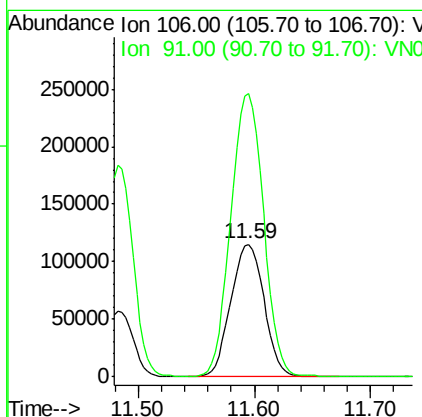
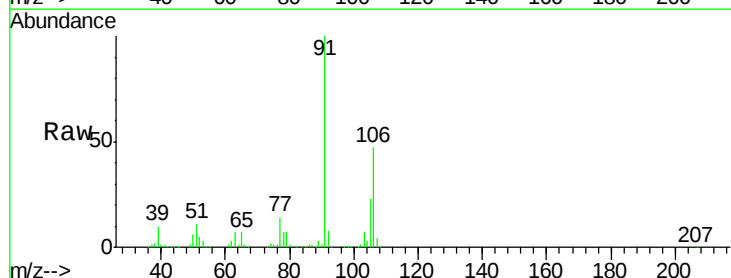
Manual Integrations
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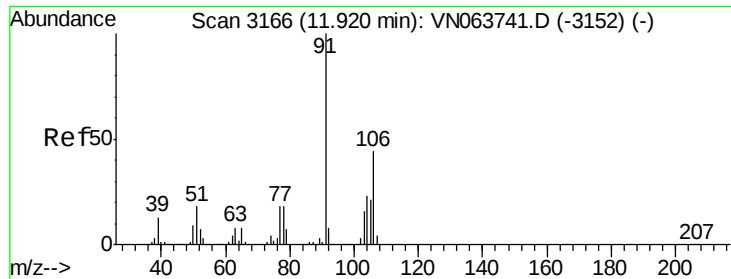
MMDadoda
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#68
m/p-Xylenes
Concen: 36.903 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion: 106 Resp: 229524
Ion Ratio Lower Upper
106 100
91 209.5 168.0 252.0





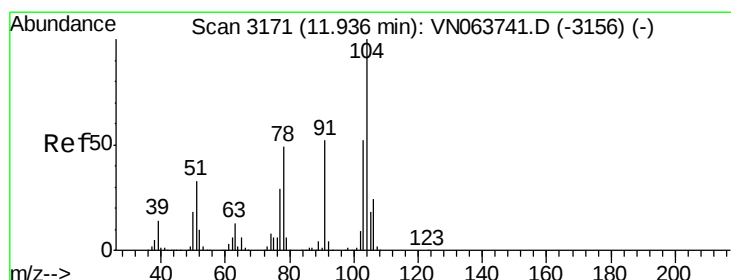
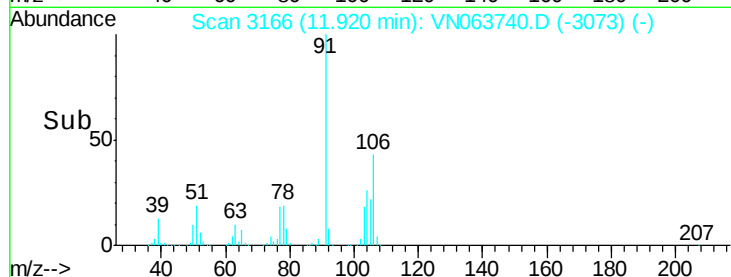
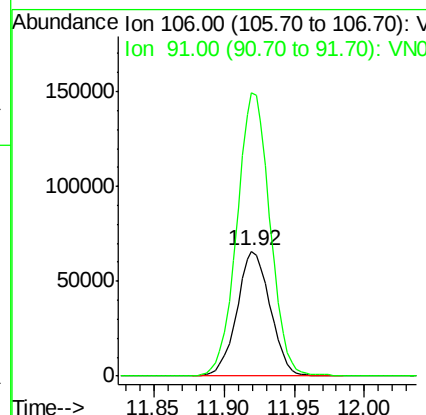
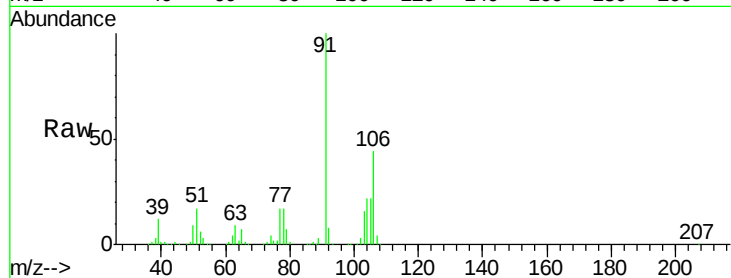
#69
o-Xylene
Concen: 18.432 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	108874		
91	91	225.4	112.7	338.0	

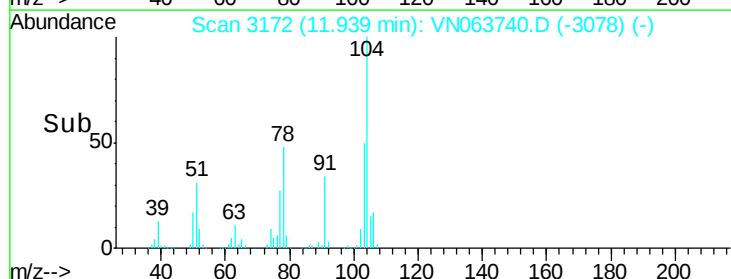
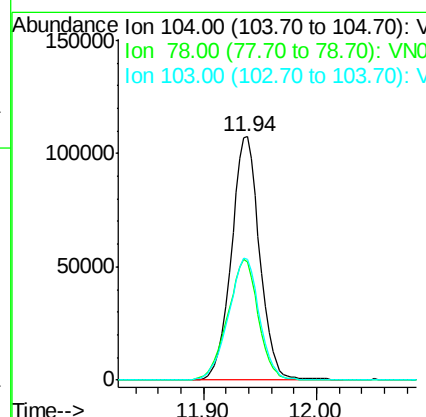
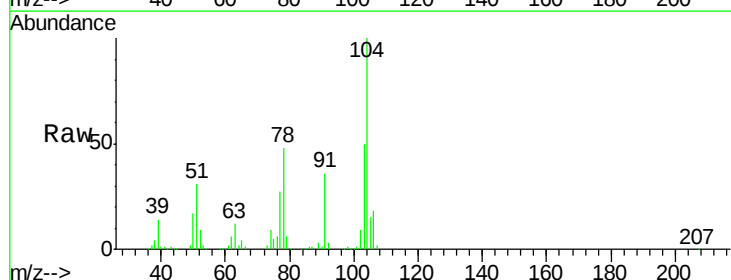
Manual Integrations
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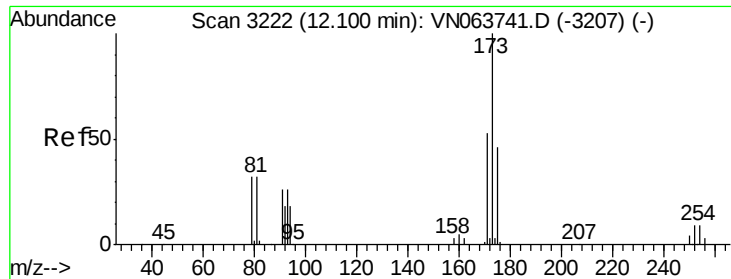
MMDadoda
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#70
Styrene
Concen: 18.838 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	186649		
78	78	53.7	44.1	66.1	
103	103	54.9	44.3	66.5	





#71

Bromoform

Concen: 18.929 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

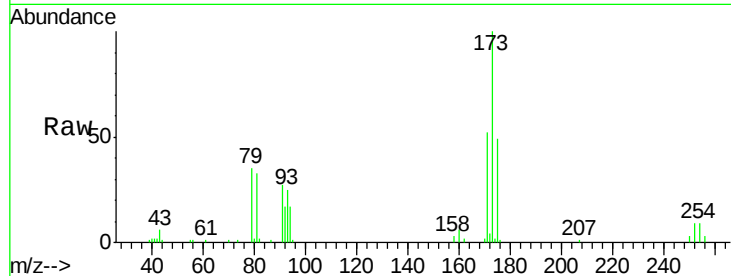
ClientSampled :

VSTDIC020

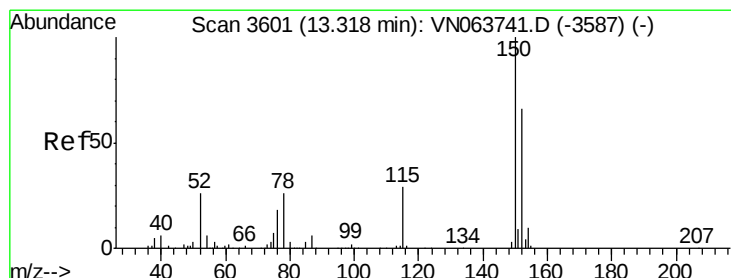
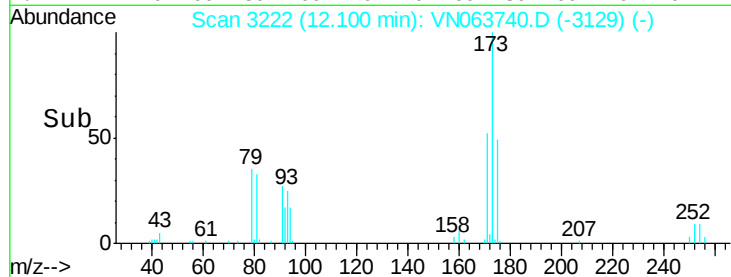
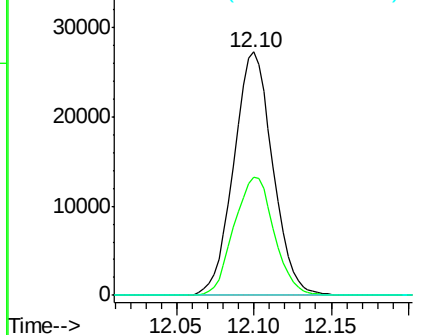
Tot Ion:173	Resp:	47767
Ion Ratio	Lower	Upper
173 100		
175 49.7	23.5	70.5
254 0.0	0.0	0.0

Manual Integrations
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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

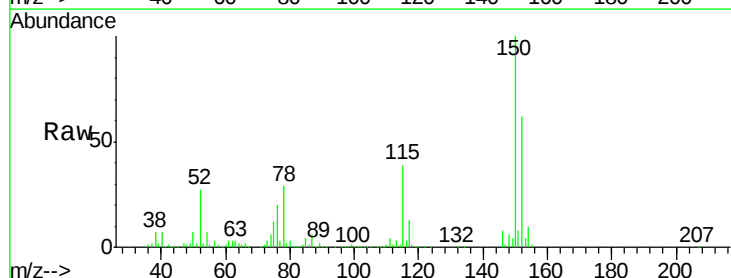
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

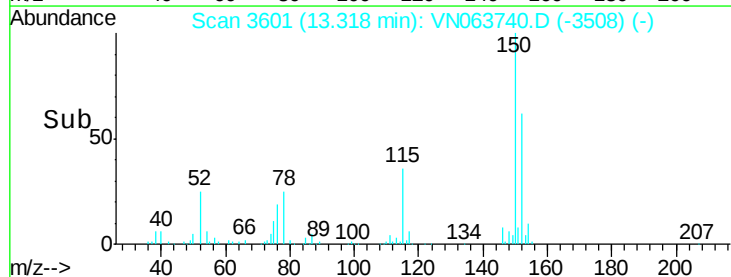
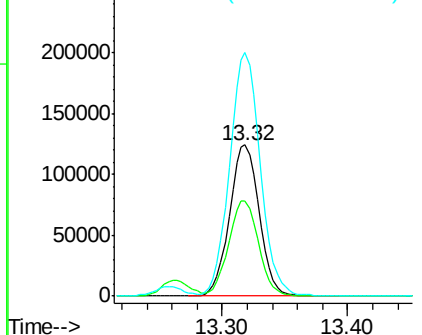
Lab File: VN063740.D

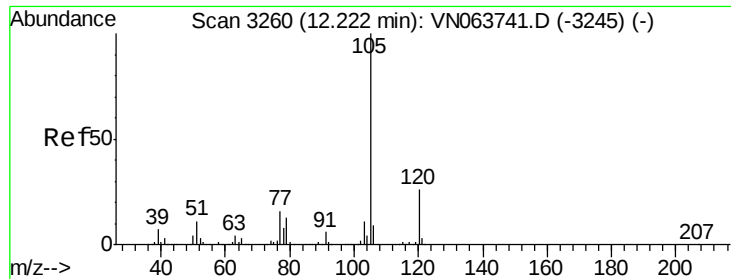
Acq: 30 Sep 2020 10:48

Tgt Ion:152	Resp:	204779
Ion Ratio	Lower	Upper
152 100		
115 62.8	31.3	93.8
150 164.4	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: 18.178 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 293488

Ion Ratio Lower Upper

105 100

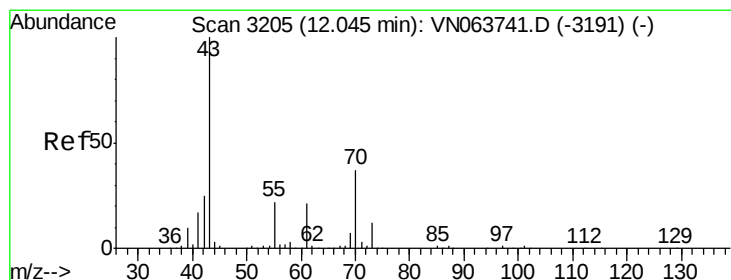
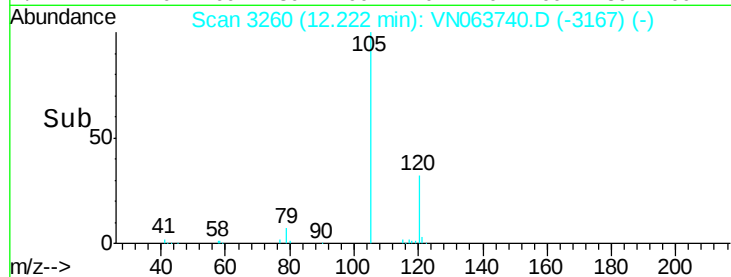
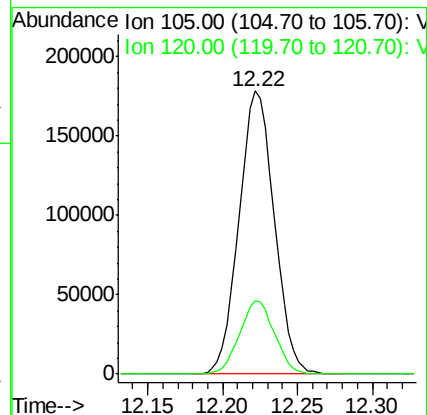
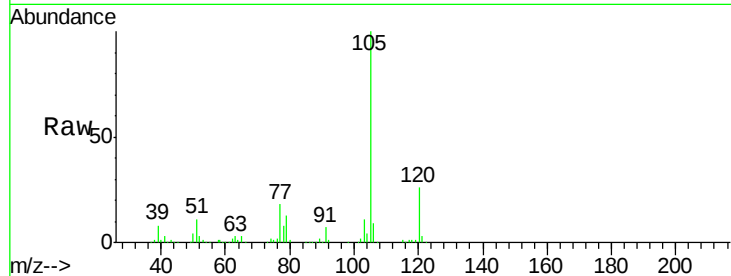
120 25.6 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.811 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion: 43 Resp: 127027

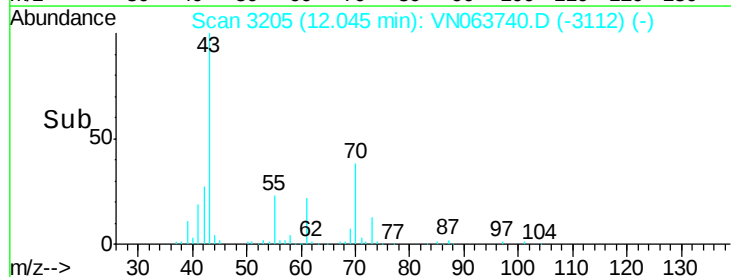
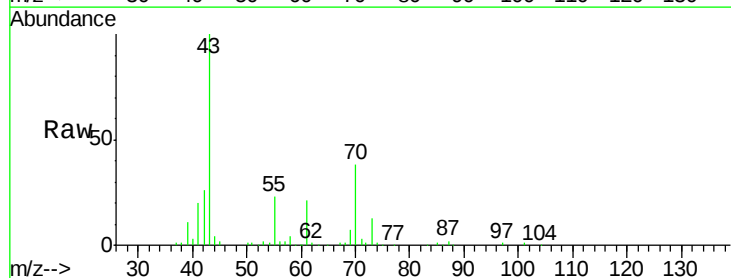
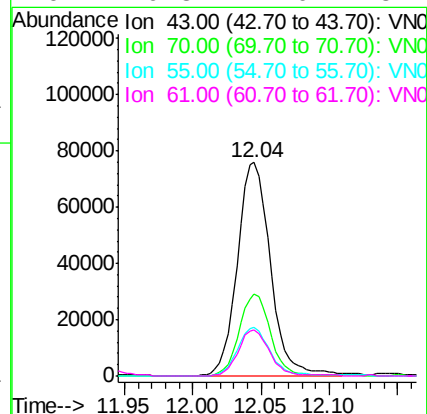
Ion Ratio Lower Upper

43 100

70 36.4 29.8 44.8

55 22.6 17.9 26.9

61 20.8 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.106 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 90503

Ion Ratio Lower Upper

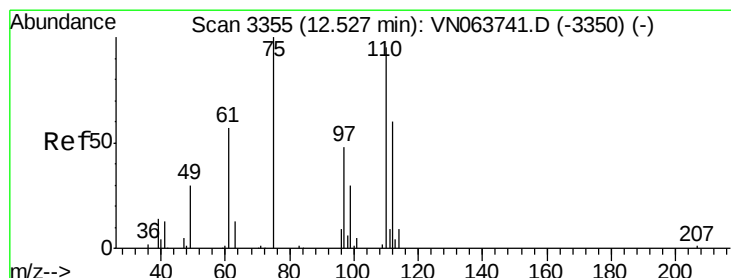
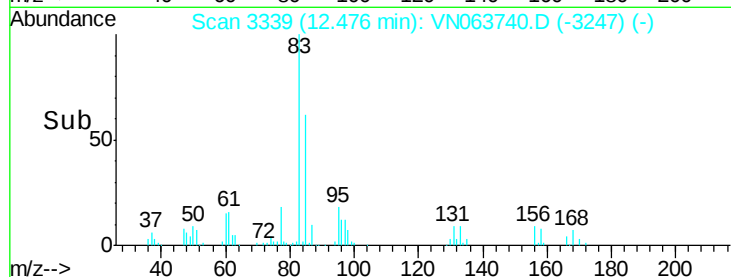
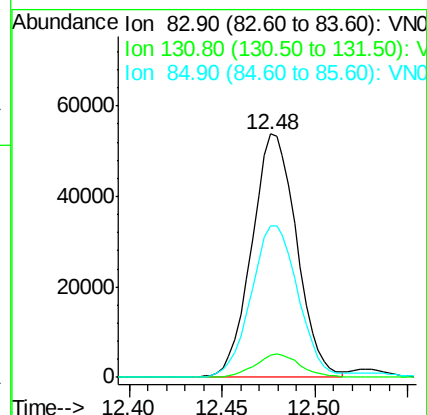
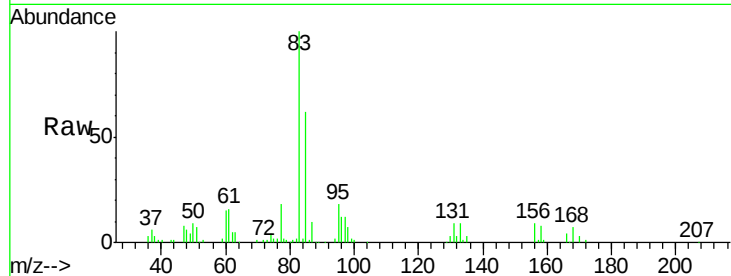
83 100

131 9.6 5.3 15.8

85 65.3 31.3 93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.970 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063740.D

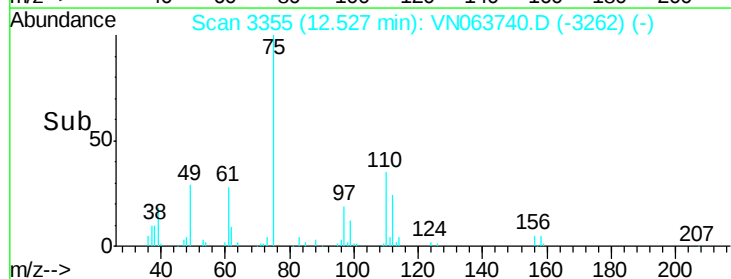
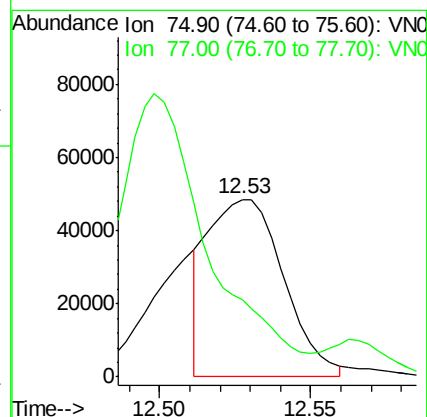
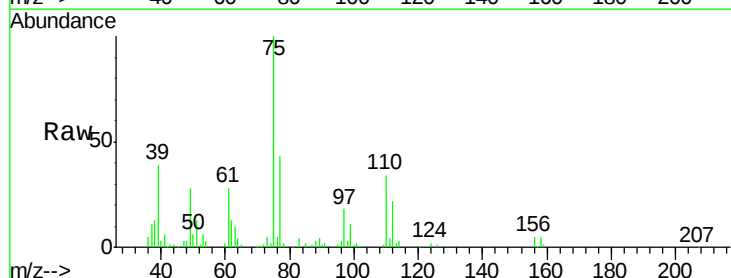
Acq: 30 Sep 2020 10:48

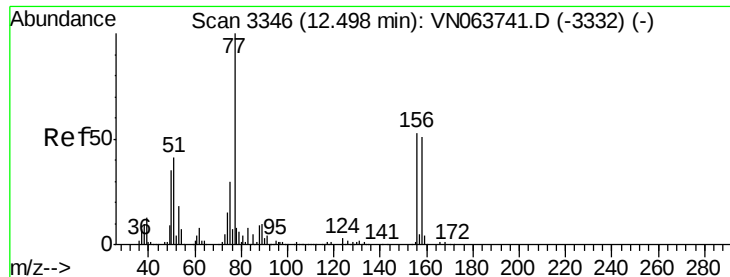
Tgt Ion: 75 Resp: 84573

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.376 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

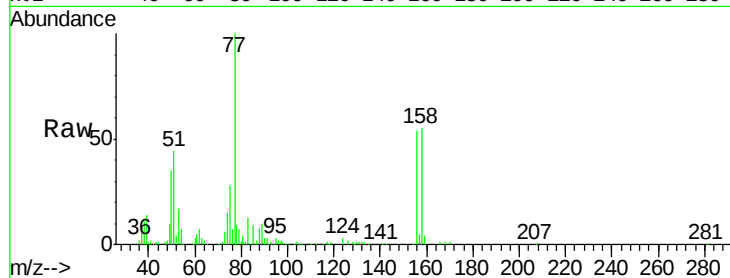
ClientSampleId :

VSTDIC020

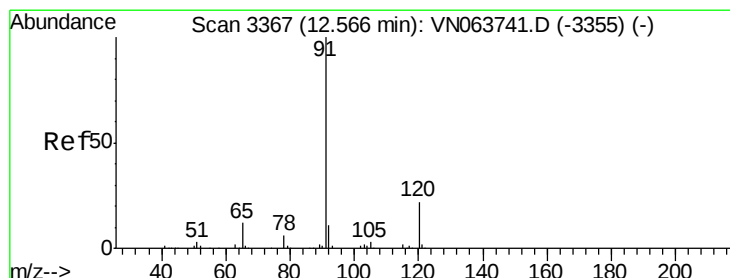
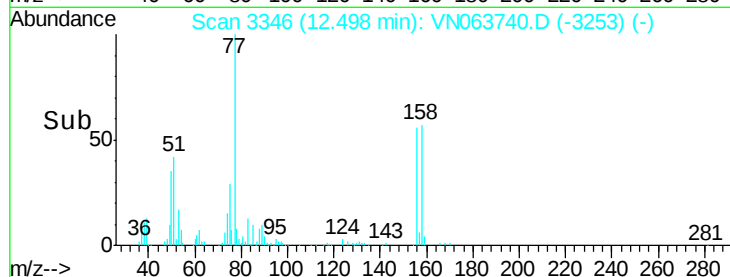
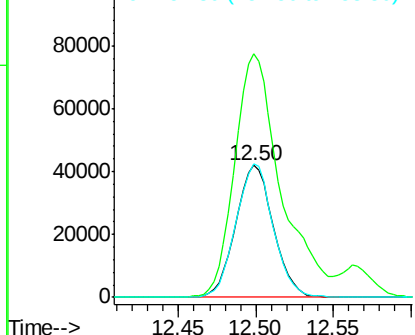
Tot Ion:	156	Resp:	71093
Ion	Ratio	Lower	Upper
156	100		
77	226.9	110.9	332.7
158	100.0	47.7	143.1

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.089 ug/l

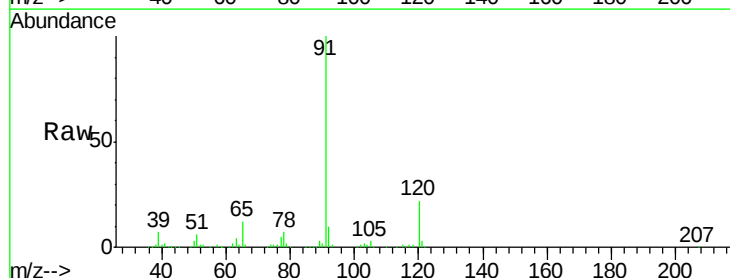
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

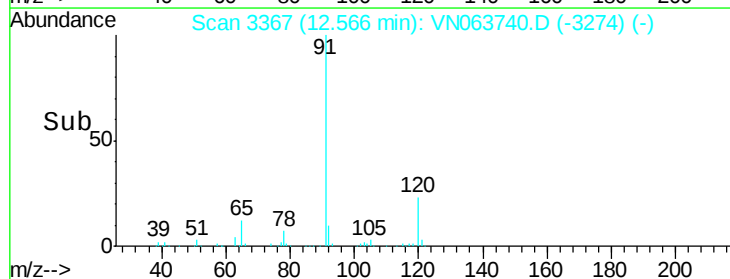
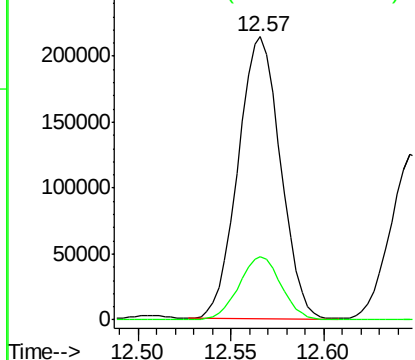
Lab File: VN063740.D

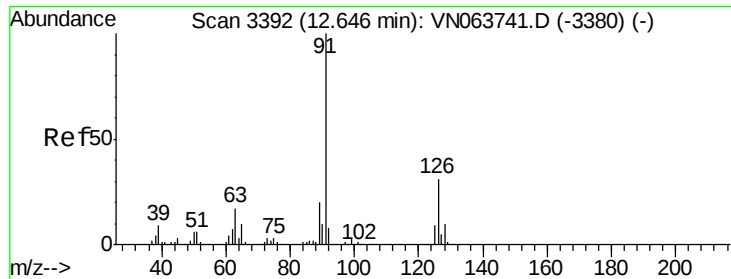
Acq: 30 Sep 2020 10:48

Tgt Ion:	91	Resp:	339464
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.541 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 209112

Ion Ratio Lower Upper

91 100

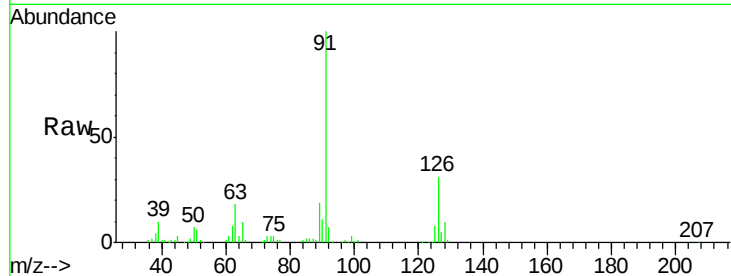
126 31.8 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063740.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN063740.D (-3392) (-)

200000

150000

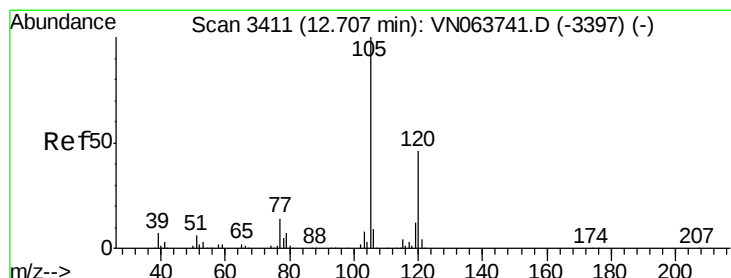
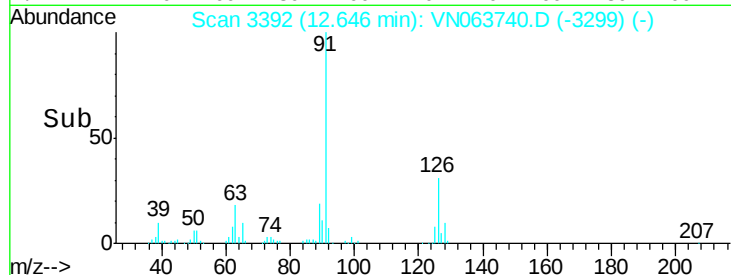
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.606 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063740.D

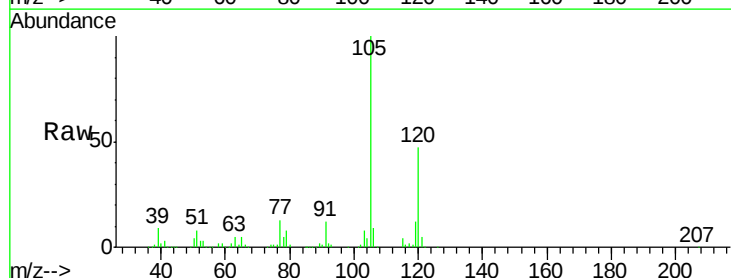
Acq: 30 Sep 2020 10:48

Tgt Ion: 105 Resp: 249859

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063740.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063740.D (-3411) (-)

150000

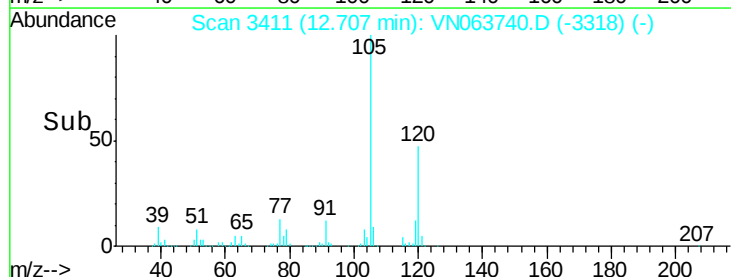
100000

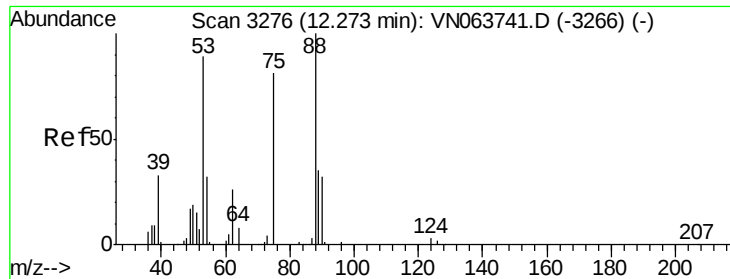
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.780 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

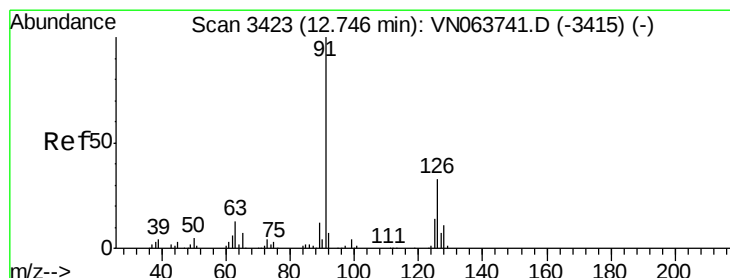
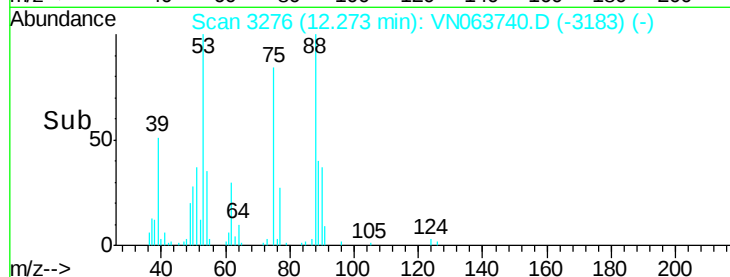
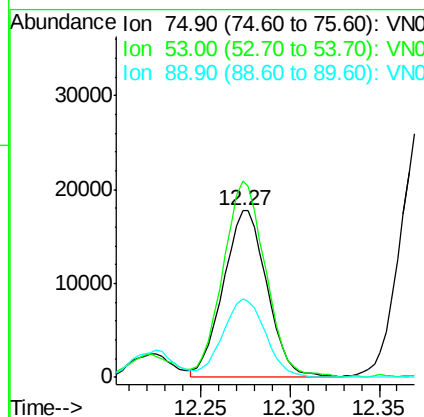
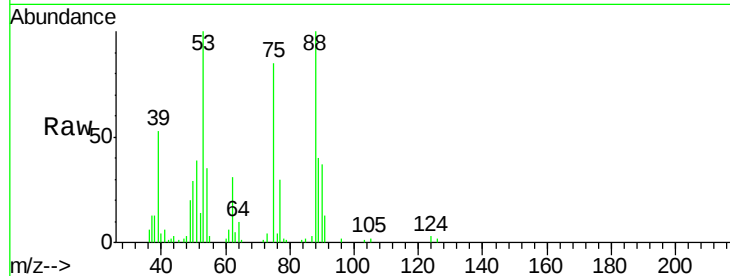
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	30334
Ion	Ratio	Lower	Upper
75	100		
53	114.2	88.2	132.2
89	46.0	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.164 ug/l

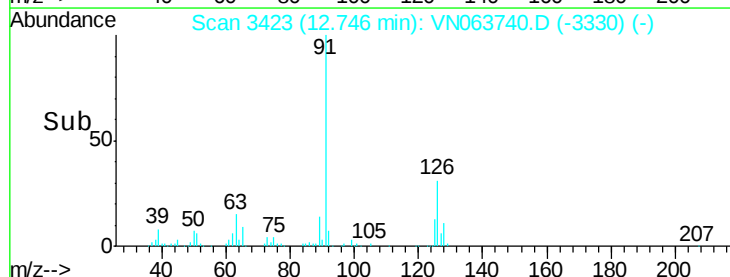
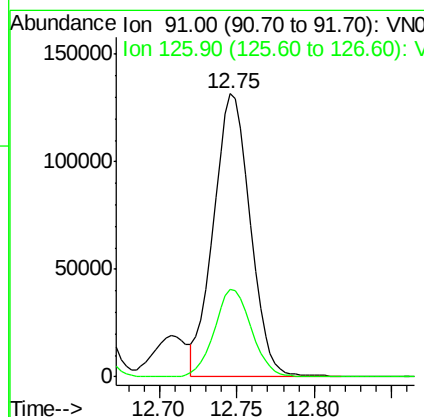
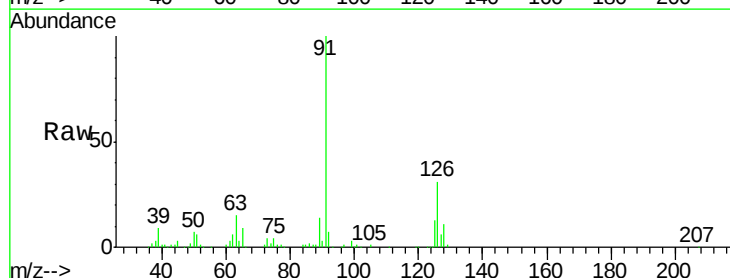
RT: 12.75 min Scan# 3423

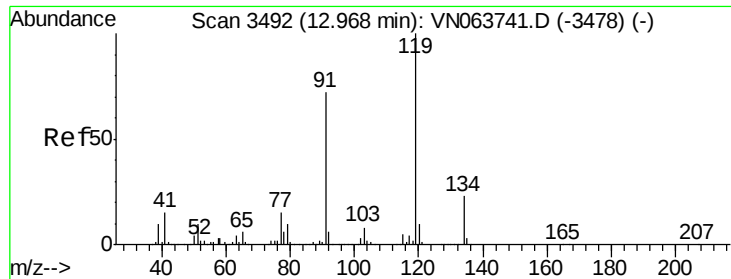
Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	91	Resp:	216703
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2





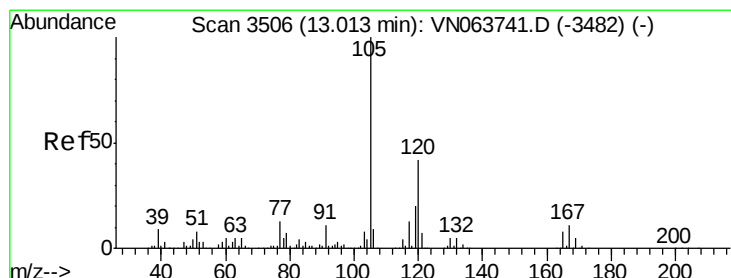
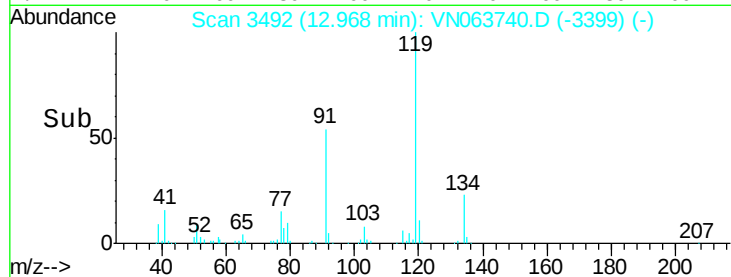
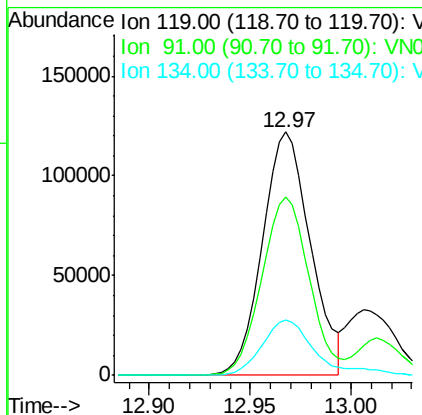
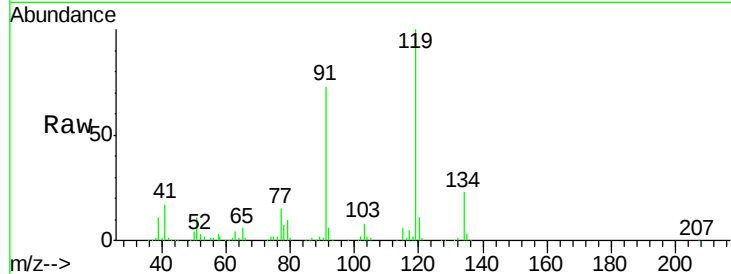
#83
 tert-Butylbenzene
 Concen: 18.186 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201901		
91	72.0		35.5	106.5
134	25.3		11.7	35.1

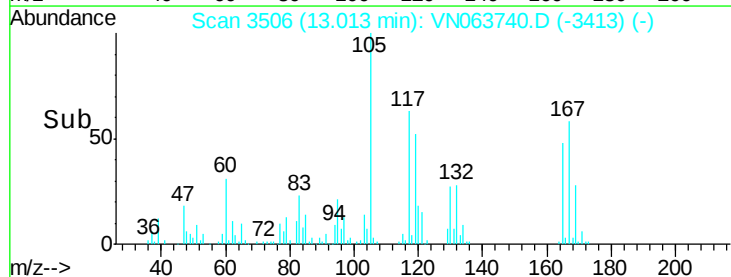
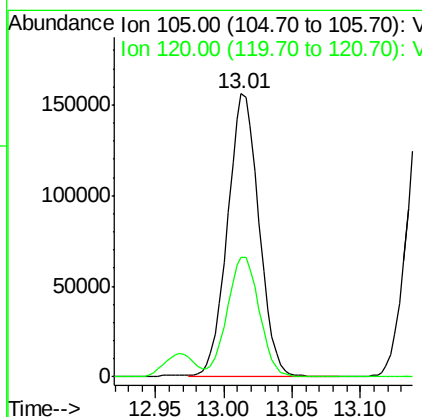
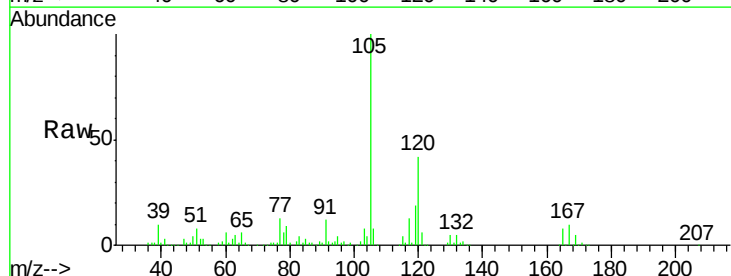
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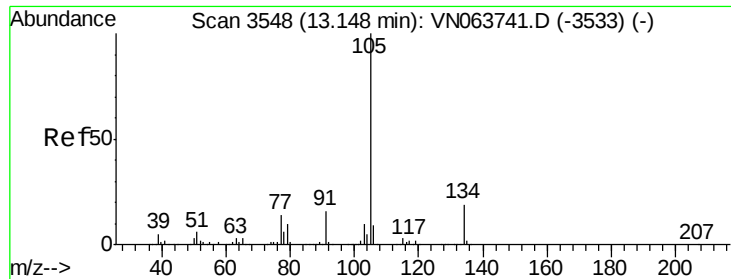
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.281 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248500		
120	43.0		20.9	62.7





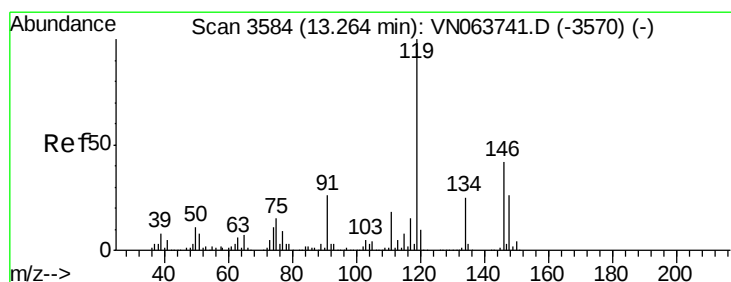
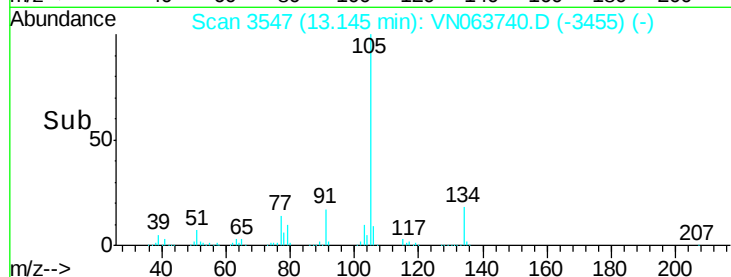
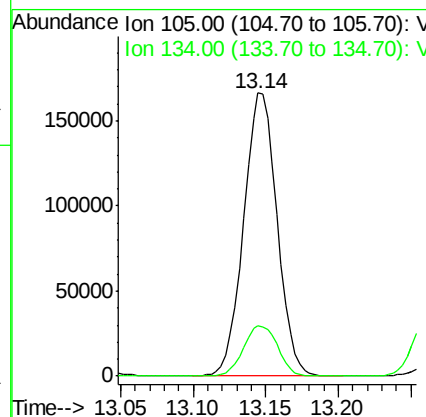
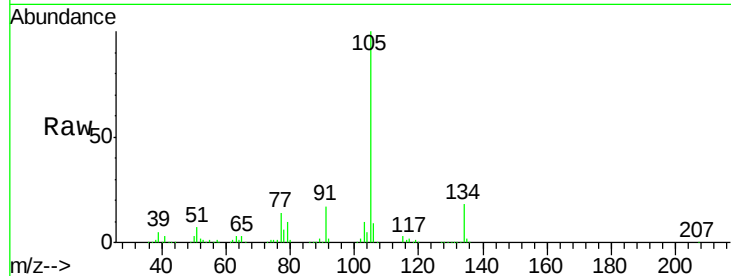
#85
 sec-Butylbenzene
 Concen: 17.921 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	265718		
134	18.3	9.5	28.5	

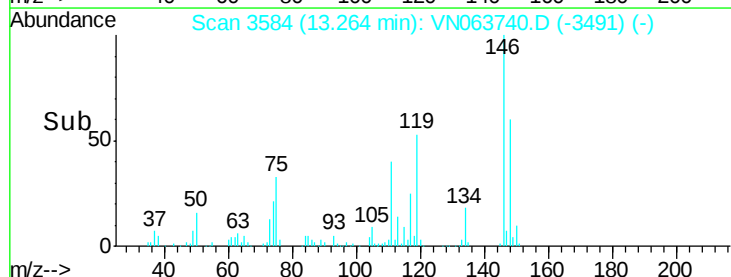
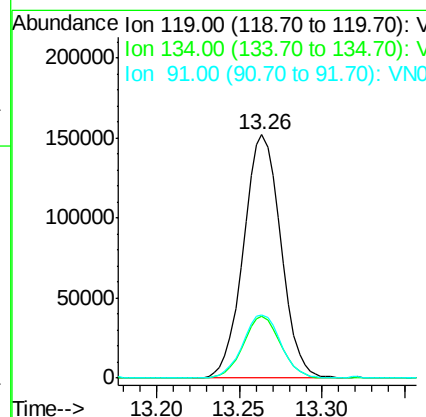
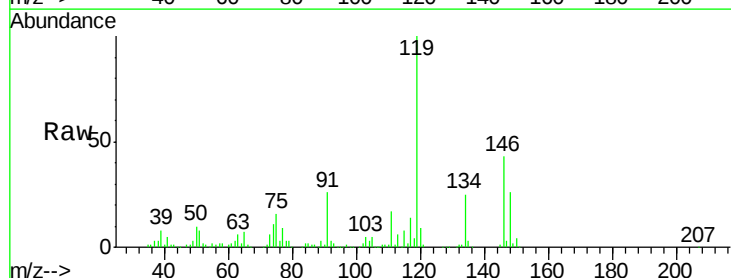
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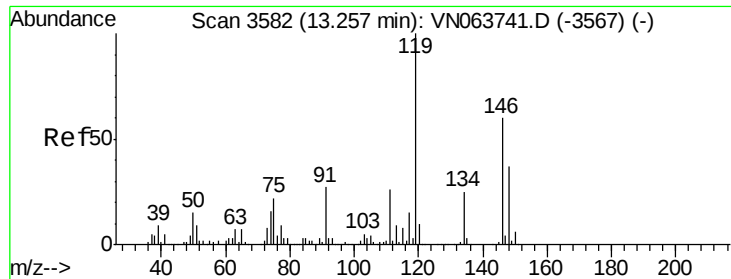
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#86
 p-Isopropyltoluene
 Concen: 18.122 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	237160		
134	25.4	12.6	37.8	
91	26.3	13.4	40.2	





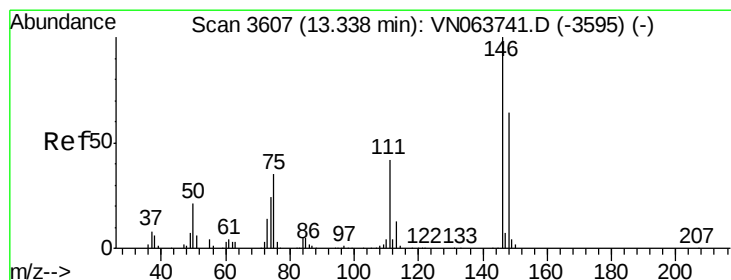
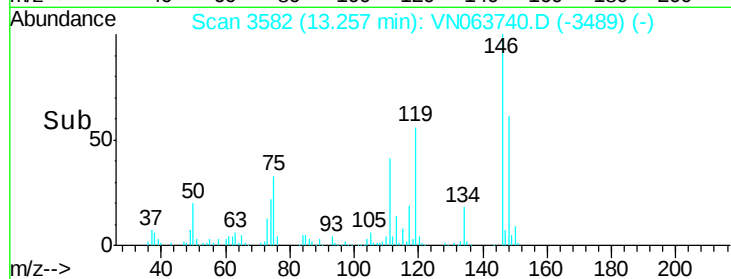
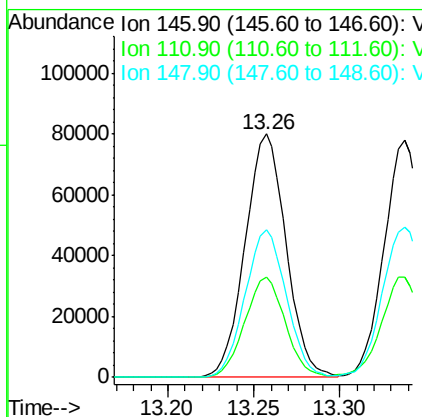
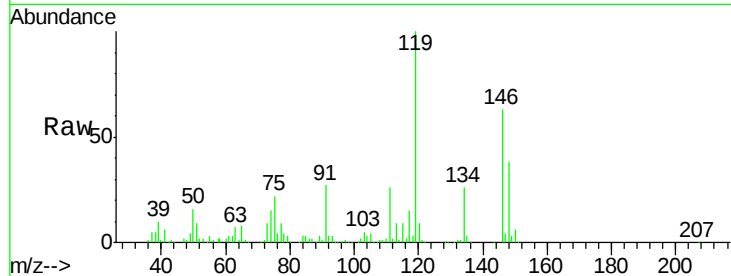
#87
 1,3-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.5	64.5
148	60.8	31.1	93.3

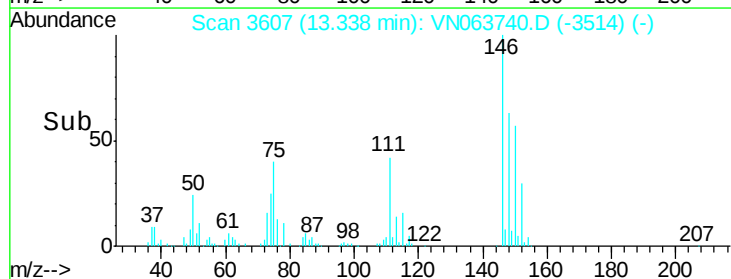
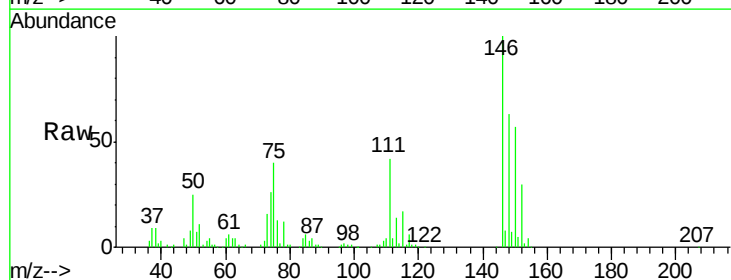
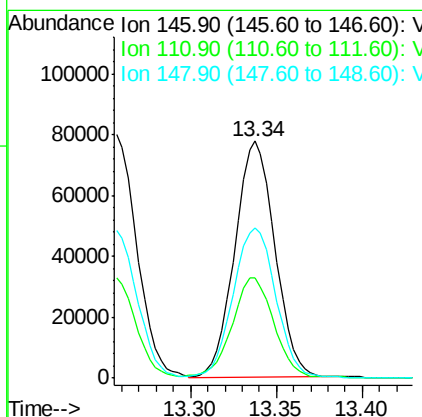
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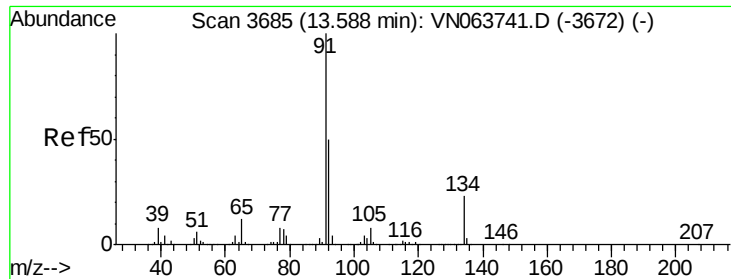
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#88
 1,4-Dichlorobenzene
 Concen: 18.318 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	68.3	32.0	96.0





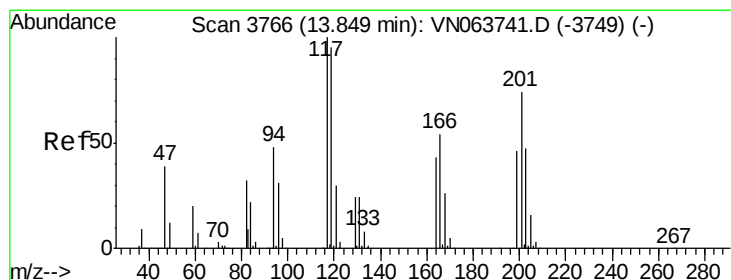
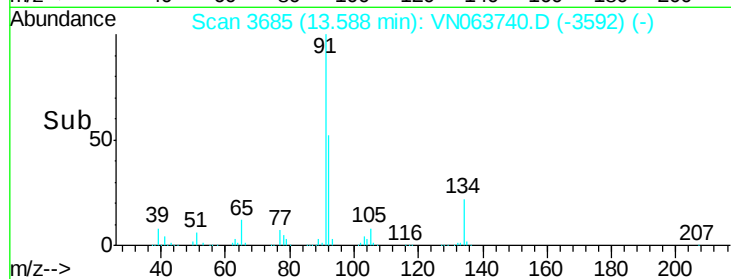
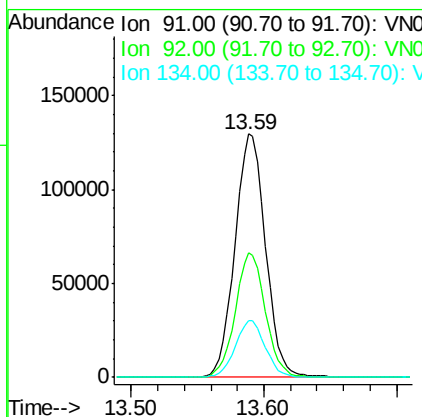
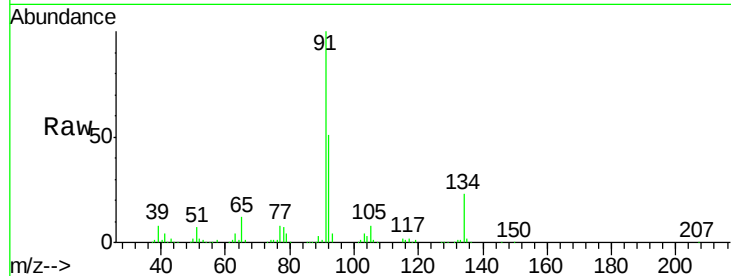
#89
n-Butylbenzene
Concen: 17.301 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.4	76.4
134	22.8	11.7	35.1

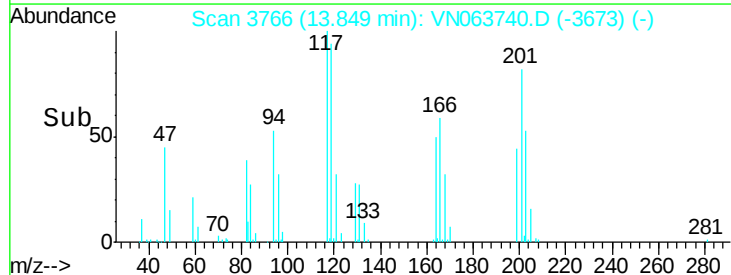
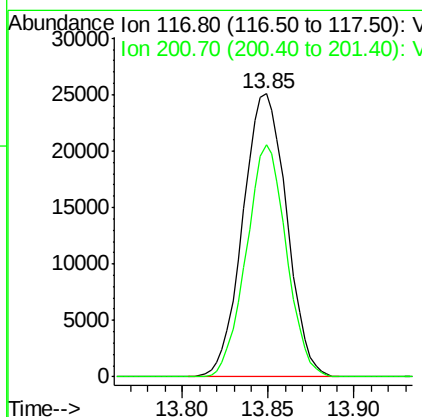
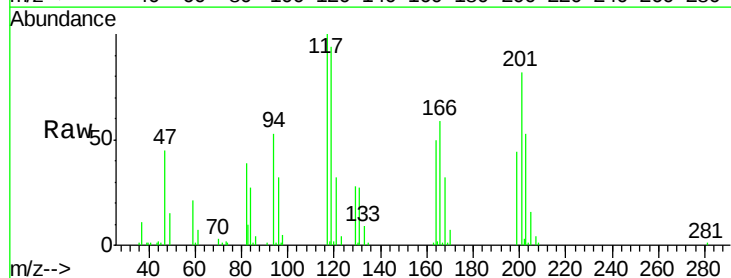
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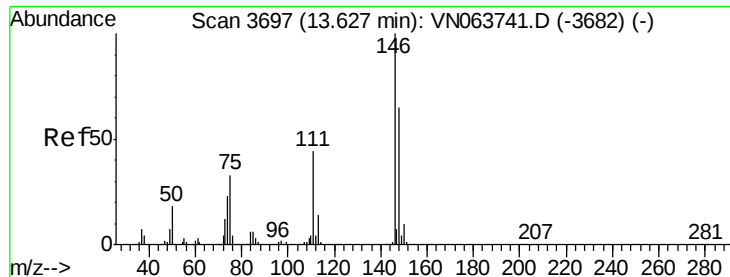
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#90
Hexachloroethane
Concen: 17.695 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063740.D
Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	36.0	108.0





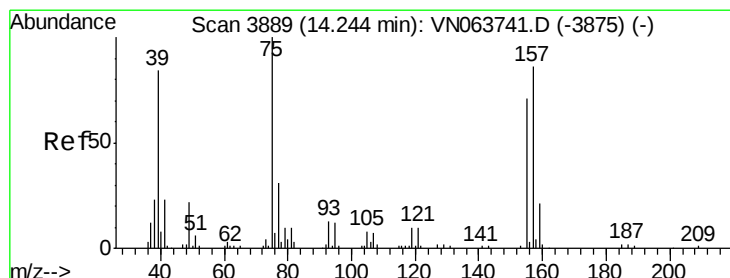
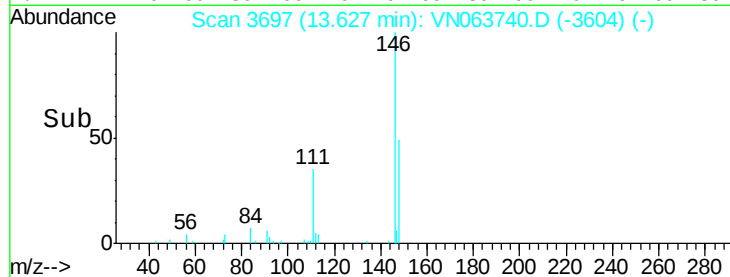
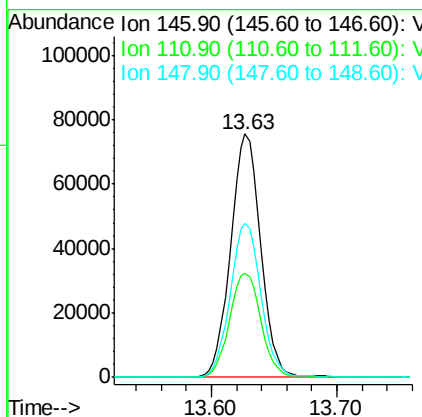
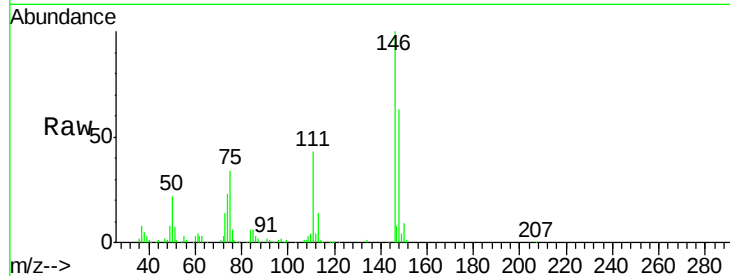
#91
 1,2-Dichlorobenzene
 Concen: 18.974 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.2	66.6
148	64.8	32.5	97.4

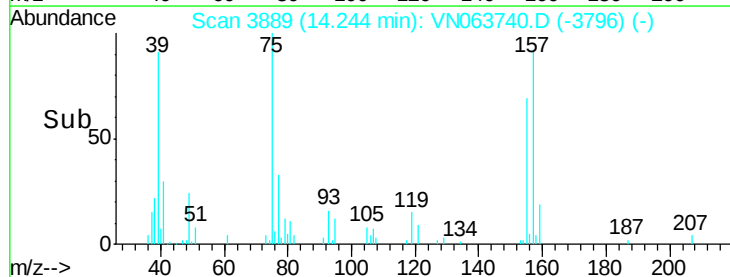
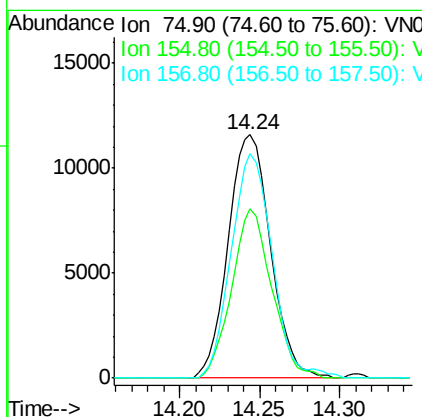
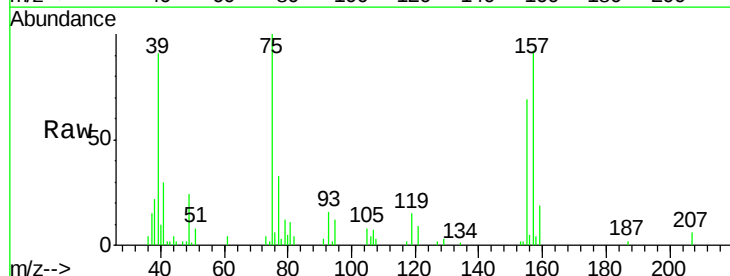
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.762 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.5	34.8	104.5
157	89.3	43.7	131.1





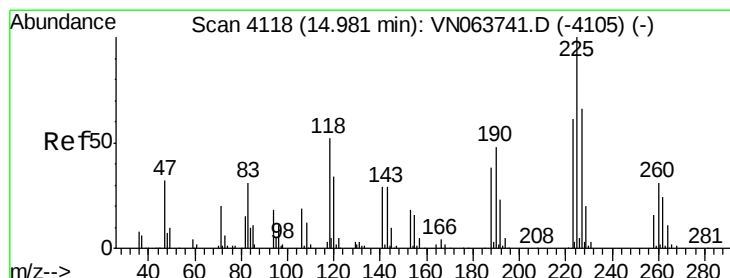
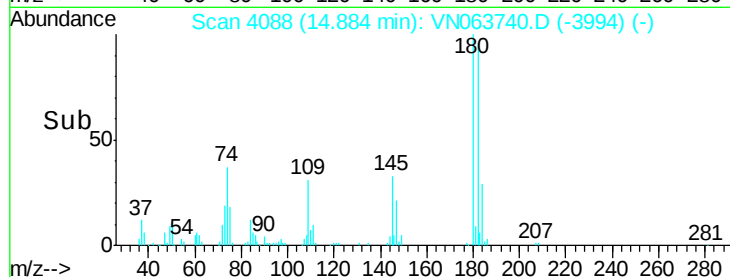
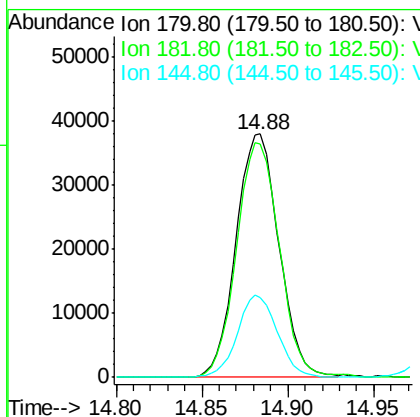
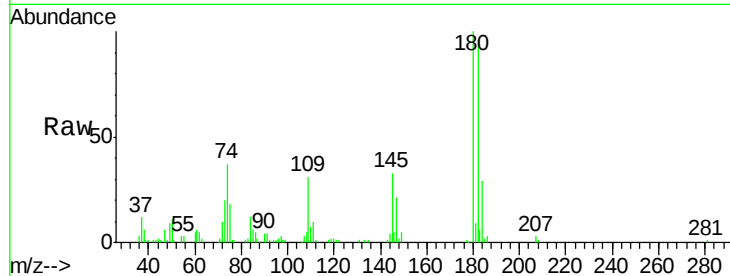
#93
 1,2,4-Trichlorobenzene
 Concen: 17.197 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65988		
182	96.4	48.2	144.6	
145	31.3	17.1	51.2	

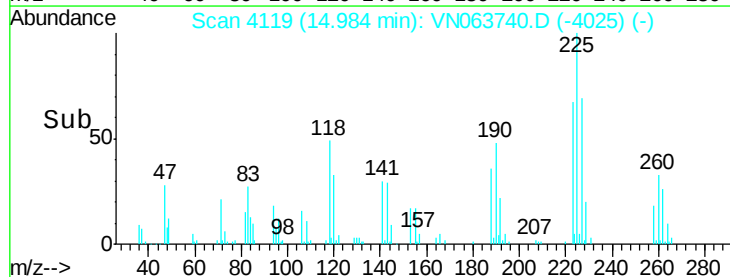
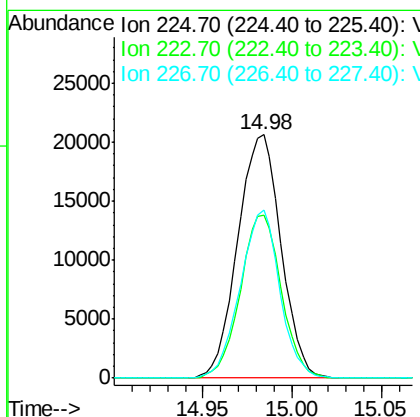
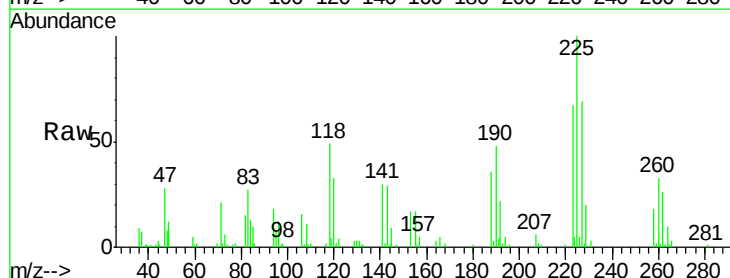
Manual Integrations
 APPROVED

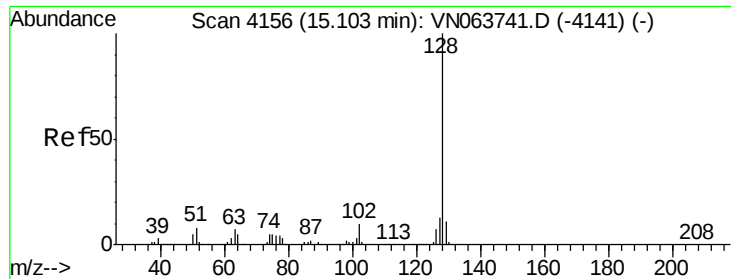
MMDadoda
 10/1/2020 2:39:52 PM



#94
 Hexachlorobutadiene
 Concen: 21.063 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063740.D
 Acq: 30 Sep 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34821		
223	63.4	30.3	91.0	
227	63.3	31.9	95.5	





#95

Naphthalene

Concen: 16.199 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Instrument :

MSVOA_N

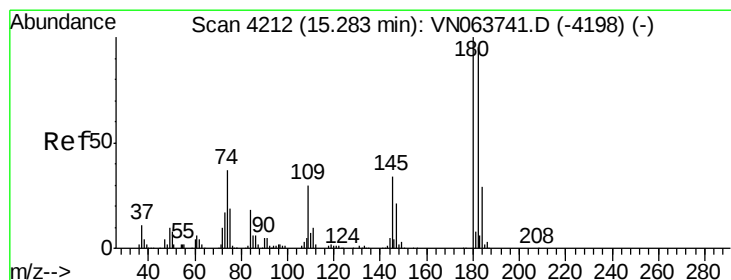
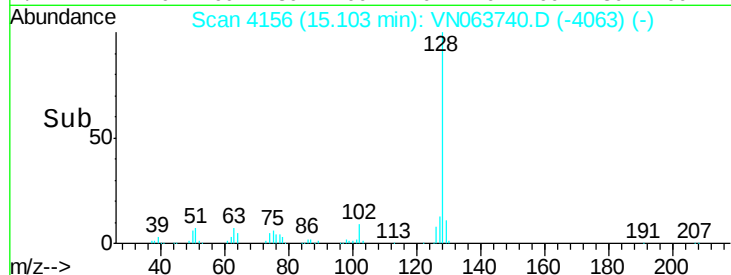
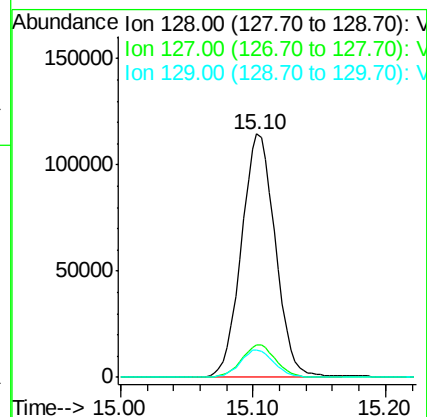
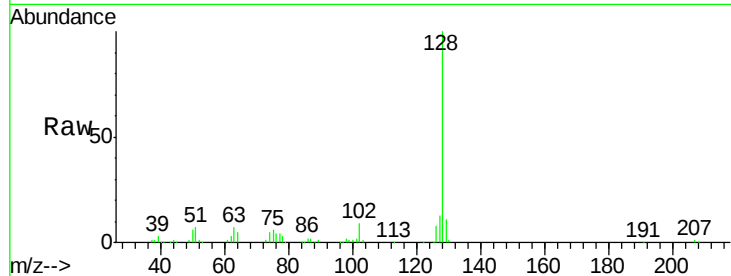
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	203412
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:39:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.447 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063740.D

Acq: 30 Sep 2020 10:48

Tgt Ion:	180	Resp:	64671
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.9	143.6
145	33.4	17.2	51.5

