

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063747.D
 Acq On : 30 Sep 2020 14:15
 Operator : JC/MD
 Sample : VN0930WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:27 PM

Quant Time: Oct 01 02:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	253441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	424381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	397322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	216172	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.55	113	147898	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.06	98	546163	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.38	95	204840	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50244	18.788	ug/l	96
3) Chloromethane	2.04	50	58658	18.694	ug/l	97
4) Vinyl Chloride	2.16	62	58308	18.512	ug/l	99
5) Bromomethane	2.53	94	38999	19.685	ug/l	98
6) Chloroethane	2.67	64	35736	18.987	ug/l	94
7) Trichlorofluoromethane	2.99	101	95952	19.208	ug/l	100
8) Diethyl Ether	3.38	74	33825	20.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51769	19.389	ug/l	98
10) Methyl Iodide	3.91	142	56670	18.280	ug/l	98
11) Tert butyl alcohol	4.73	59	48967	105.929	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48028	18.819	ug/l	98
13) Acrolein	3.57	56	29483	103.920	ug/l	97
14) Allyl chloride	4.28	41	91370	19.271	ug/l	98
15) Acrylonitrile	4.93	53	130098	98.321	ug/l	98
16) Acetone	3.78	43	124631	96.696	ug/l	94
17) Carbon Disulfide	4.01	76	130979	19.423	ug/l	97
18) Methyl Acetate	4.28	43	65586	19.598	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	181868	19.615	ug/l	100
20) Methylene Chloride	4.51	84	60709	20.622	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	54771	19.160	ug/l	93
22) Diisopropyl ether	5.90	45	195834	20.075	ug/l	98
23) Vinyl Acetate	5.85	43	805491	99.682	ug/l	100
24) 1,1-Dichloroethane	5.80	63	106223	19.044	ug/l	98
25) 2-Butanone	6.78	43	188528	103.171	ug/l	98
26) 2,2-Dichloropropane	6.78	77	96323	18.858	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	63189	19.220	ug/l	98
28) Bromochloromethane	7.15	49	53221	19.306	ug/l	100
29) Tetrahydrofuran	7.17	42	125184	102.142	ug/l	99
30) Chloroform	7.33	83	113567	19.528	ug/l	97
31) Cyclohexane	7.61	56	95217	19.588	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	102295	19.501	ug/l	99
36) 1,1-Dichloropropene	7.76	75	80437	18.709	ug/l	100
37) Ethyl Acetate	6.88	43	80059	18.743	ug/l	99
38) Carbon Tetrachloride	7.73	117	87974	18.248	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80983	18.888	ug/l	98
40) Benzene	8.00	78	234047	19.059	ug/l	99
41) Methacrylonitrile	7.13	41	37415	19.708	ug/l	92
42) 1,2-Dichloroethane	8.09	62	98050	18.705	ug/l	98
43) Isopropyl Acetate	8.13	43	140511	19.943	ug/l	99
44) Trichloroethene	8.80	130	59317	18.435	ug/l	98
45) 1,2-Dichloropropane	9.09	63	64298	19.387	ug/l	98
46) Dibromomethane	9.18	93	43864	19.172	ug/l	98
47) Bromodichloromethane	9.37	83	89525	18.987	ug/l	96
48) Methyl methacrylate	9.17	41	68225	19.599	ug/l	98
49) 1,4-Dioxane	9.17	88	19006	384.171	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	415818	100.567	ug/l	100
52) Toluene	10.13	92	146085	19.233	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	97624	19.315	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102592	19.408	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	59022	19.376	ug/l	97
56) Ethyl methacrylate	10.40	69	83939	19.440	ug/l	100
57) 1,3-Dichloropropane	10.68	76	101087	19.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	239137	103.539	ug/l	99
59) 2-Hexanone	10.72	43	305544	99.476	ug/l	100
60) Dibromochloromethane	10.87	129	65051	18.337	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62689	20.119	ug/l	100
64) Tetrachloroethene	10.60	164	56329	18.325	ug/l	95
65) Chlorobenzene	11.41	112	157658	19.344	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	59245	18.961	ug/l	99
67) Ethyl Benzene	11.49	91	283254	19.099	ug/l	98
68) m/p-Xylenes	11.59	106	208956	37.804	ug/l	98
69) o-Xylene	11.92	106	99455	19.251	ug/l	99
70) Styrene	11.94	104	167979	19.155	ug/l	100
71) Bromoform	12.10	173	43487	18.197	ug/l #	99
73) Isopropylbenzene	12.23	105	275864	20.047	ug/l	99
74) N-amyl acetate	12.05	43	118169	19.873	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	84110	19.988	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	80421m	19.337	ug/l	
77) Bromobenzene	12.50	156	66048	19.560	ug/l	99
78) n-propylbenzene	12.57	91	309283	19.312	ug/l	99
79) 2-Chlorotoluene	12.65	91	191736	19.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	229768	19.902	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27534	19.068	ug/l	92
82) 4-Chlorotoluene	12.75	91	200475	19.607	ug/l	100
83) tert-Butylbenzene	12.97	119	184157	19.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	224151	19.447	ug/l	98
85) sec-Butylbenzene	13.15	105	243029	19.594	ug/l	100
86) p-Isopropyltoluene	13.26	119	216580	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	113990	18.660	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	119826	18.839	ug/l	99
89) n-Butylbenzene	13.59	91	190726	18.833	ug/l	98
90) Hexachloroethane	13.85	117	38790	18.243	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	115843	19.146	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18943	19.195	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	58705	18.960	ug/l	99
94) Hexachlorobutadiene	14.98	225	31377	19.167	ug/l	98
95) Naphthalene	15.10	128	183927	19.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	56545	18.732	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:168 Resp: 253441

Ion Ratio Lower Upper

168 100

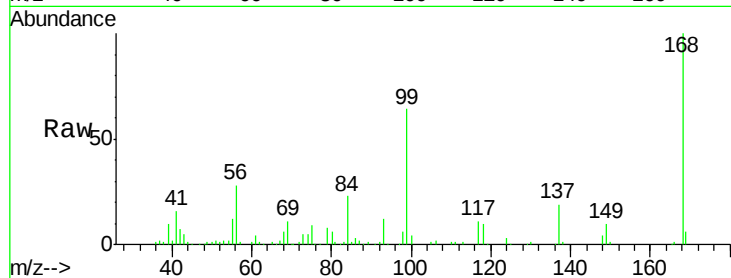
99 63.1 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

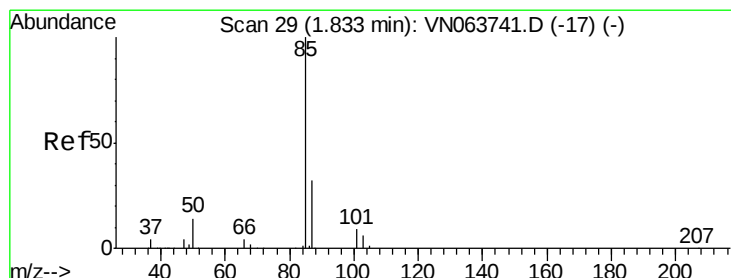
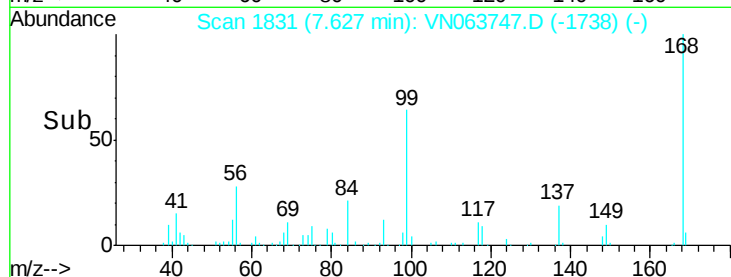
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.788 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063747.D

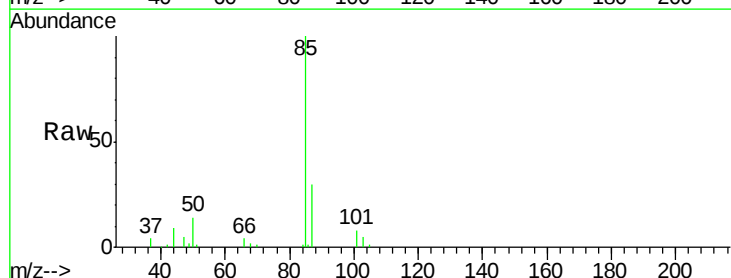
Acq: 30 Sep 2020 14:15

Tgt Ion: 85 Resp: 50244

Ion Ratio Lower Upper

85 100

87 30.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

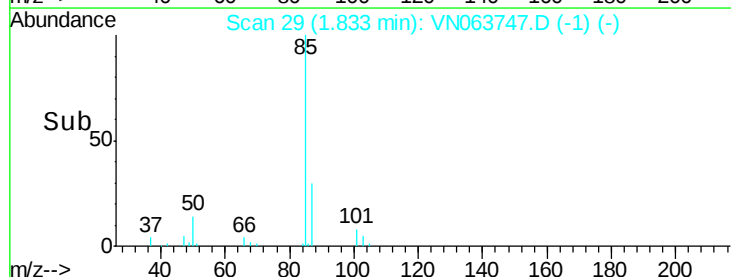
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.694 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 50 Resp: 58658

Ion Ratio Lower Upper

50 100

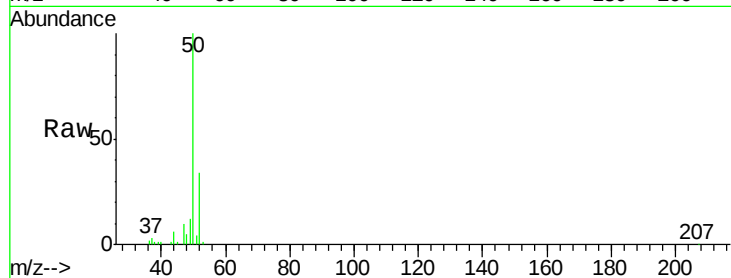
52 34.0 25.8 38.8

Manual Integrations

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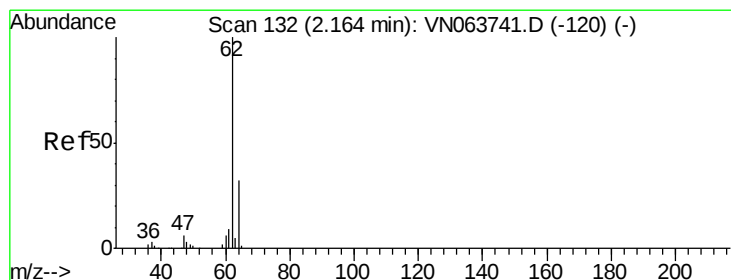
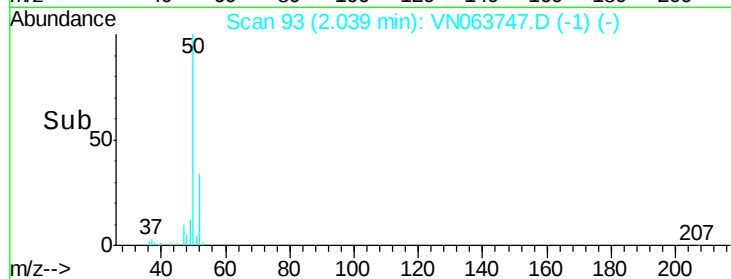
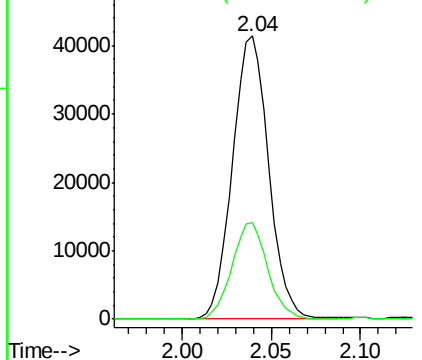
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.512 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063747.D

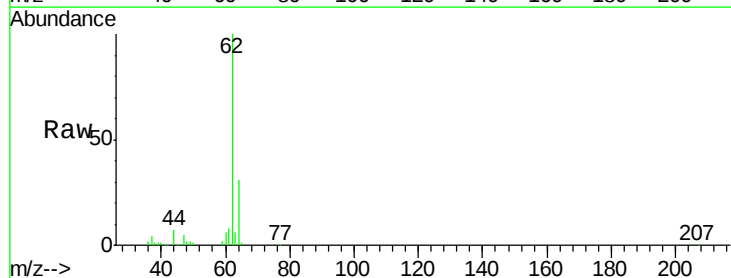
Acq: 30 Sep 2020 14:15

Tgt Ion: 62 Resp: 58308

Ion Ratio Lower Upper

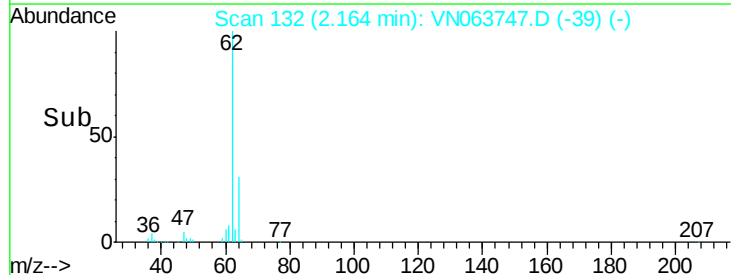
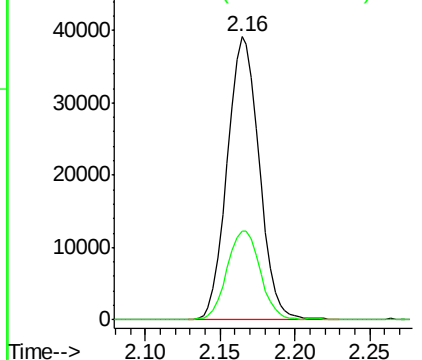
62 100

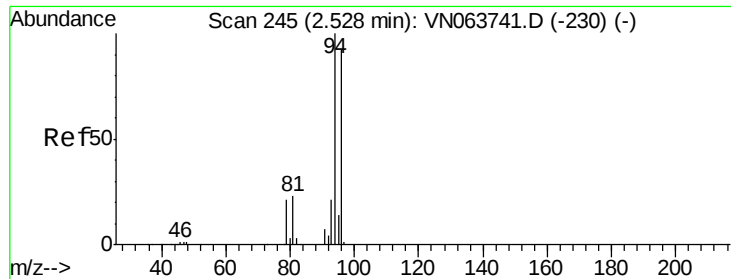
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.685 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 94 Resp: 38999

Ion Ratio Lower Upper

94 100

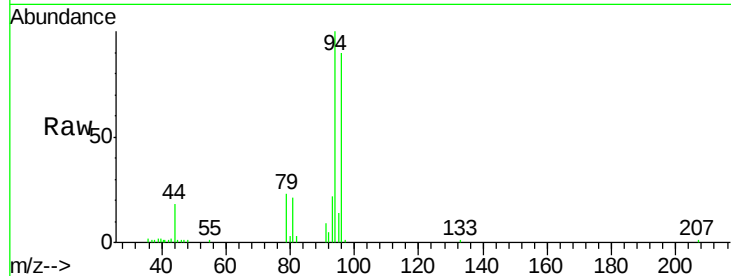
96 90.0 73.3 109.9

Manual Integrations

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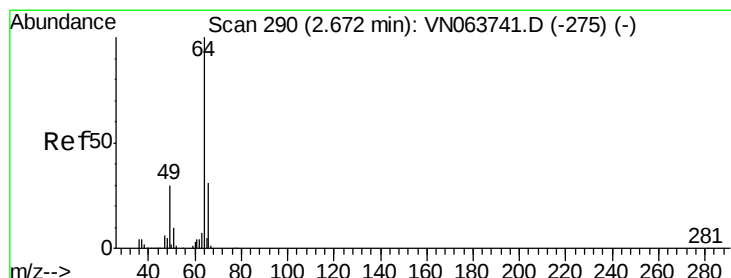
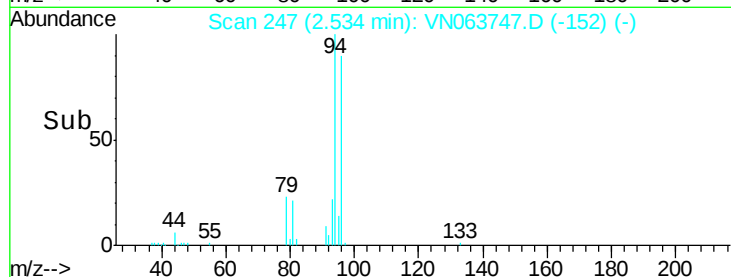
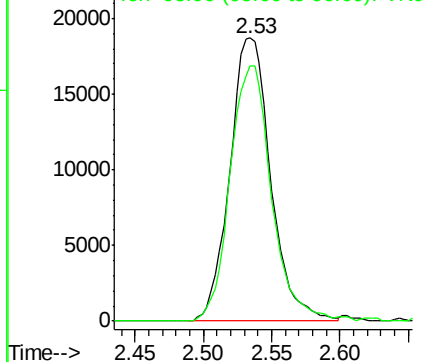
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.987 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063747.D

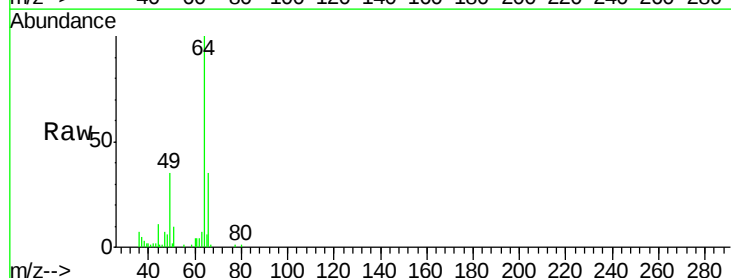
Acq: 30 Sep 2020 14:15

Tgt Ion: 64 Resp: 35736

Ion Ratio Lower Upper

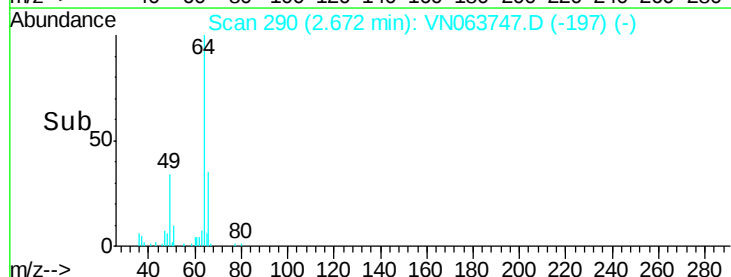
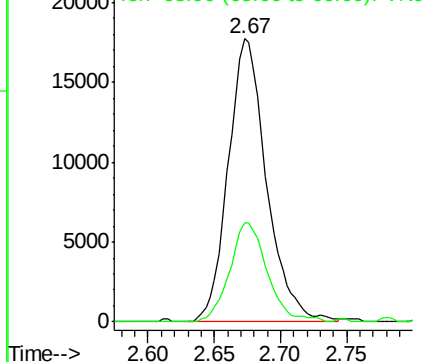
64 100

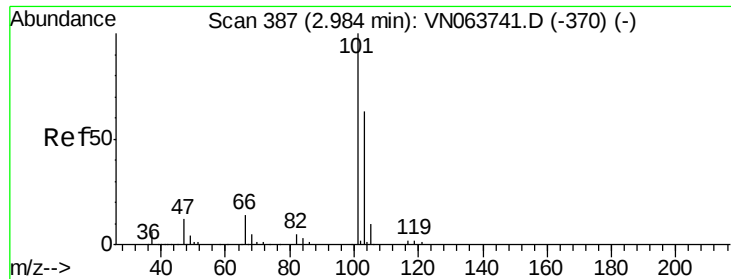
66 35.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

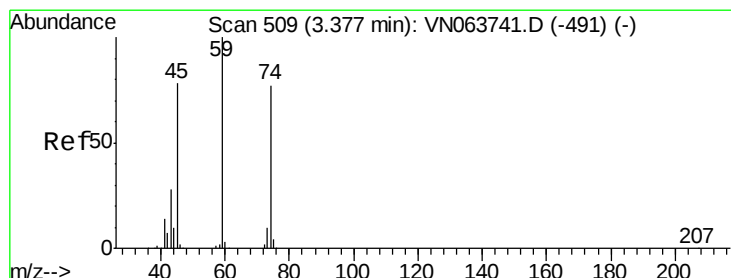
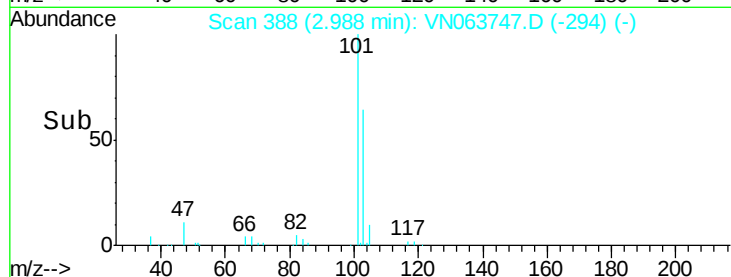
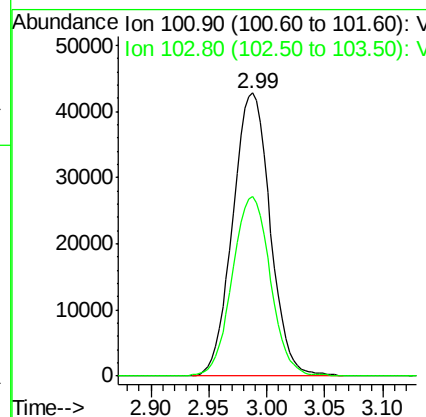
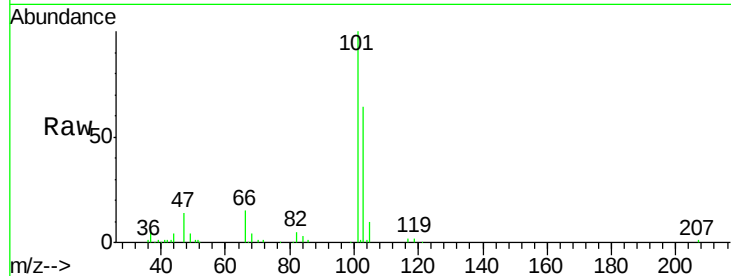
Trichlorofluoromethane
 Concen: 19.208 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

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 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.7	76.1

Manual Integrations
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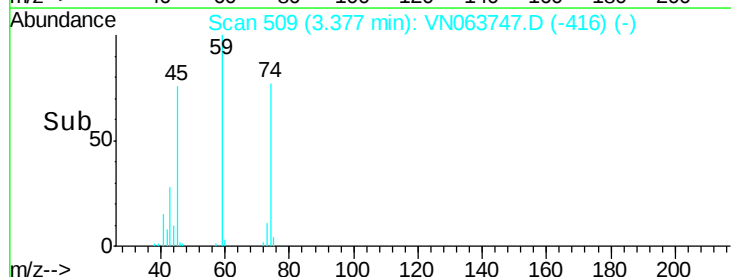
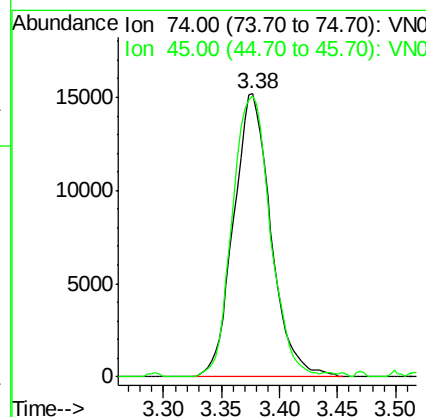
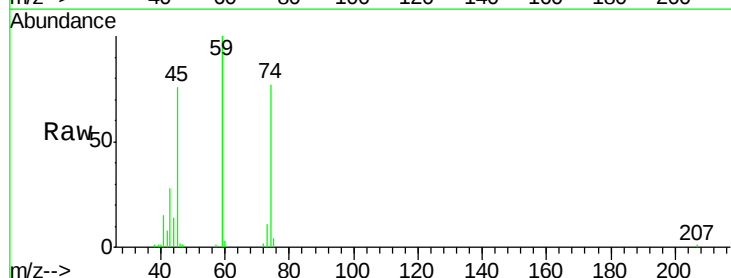
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#8

Diethyl Ether
 Concen: 20.021 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.389 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

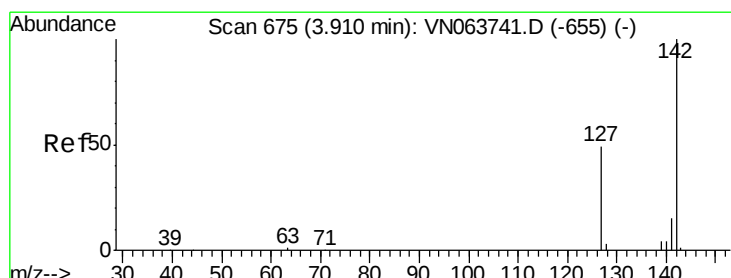
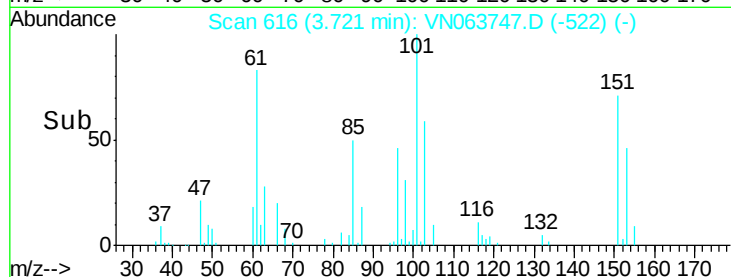
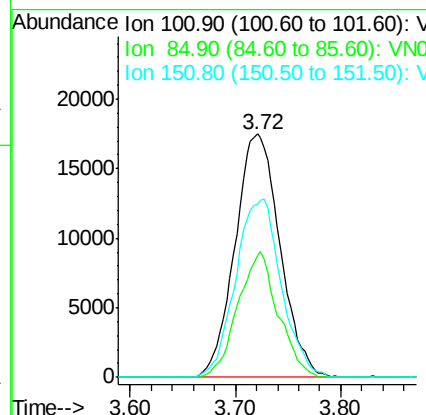
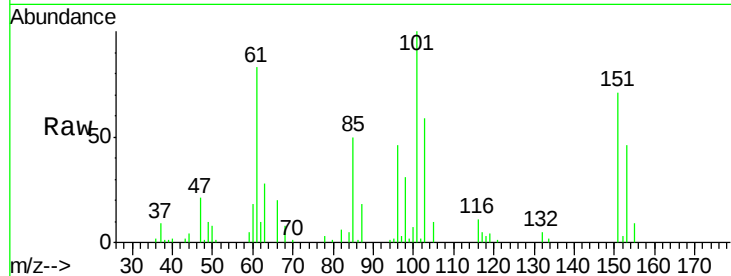
ClientSampleId :

VN0930WBS01

Tot Ion:	101	Resp:	51769
Ion Ratio	Lower	Upper	
101	100		
85	46.1	38.6	58.0
151	74.5	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.280 ug/l

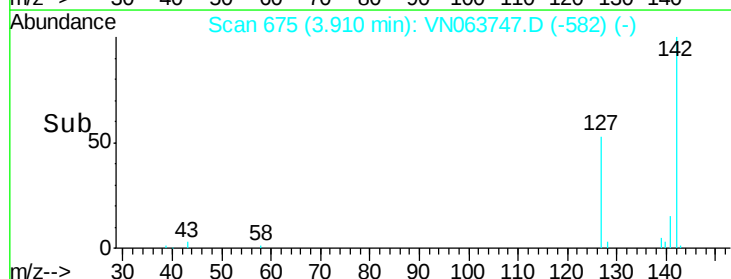
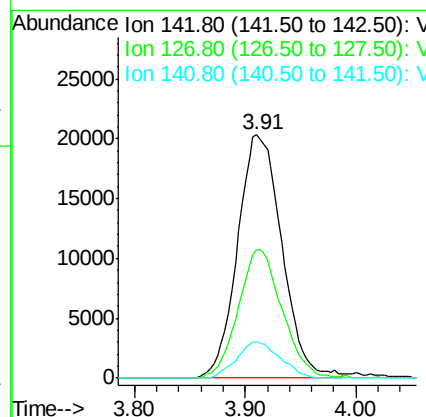
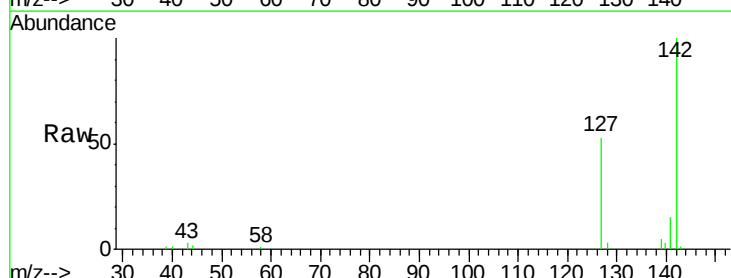
RT: 3.91 min Scan# 675

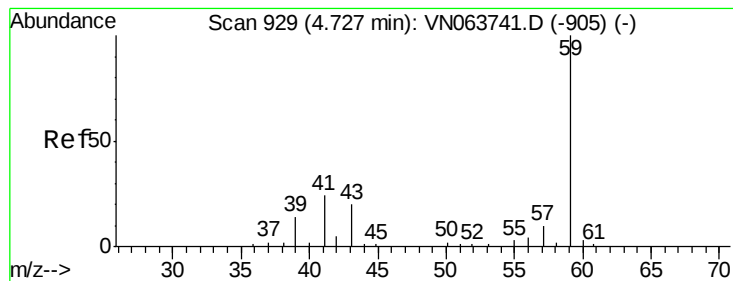
Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:	142	Resp:	56670
Ion Ratio	Lower	Upper	
142	100		
127	52.0	40.5	60.7
141	14.4	11.7	17.5





#11

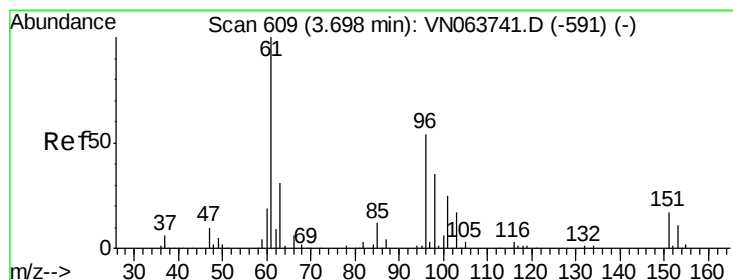
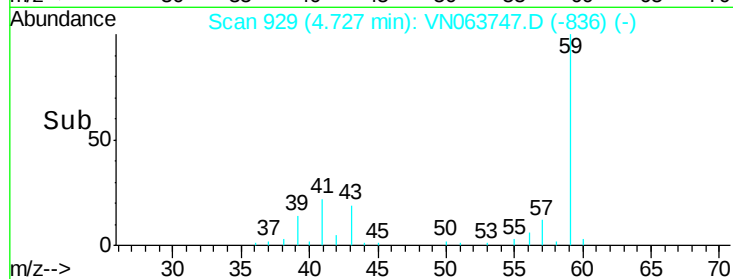
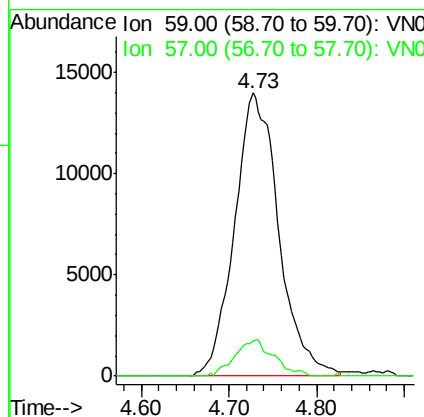
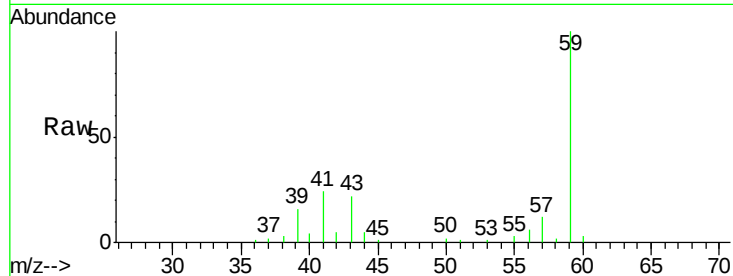
Tert butyl alcohol
Concen: 105.929 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.7	13.1

Manual Integrations
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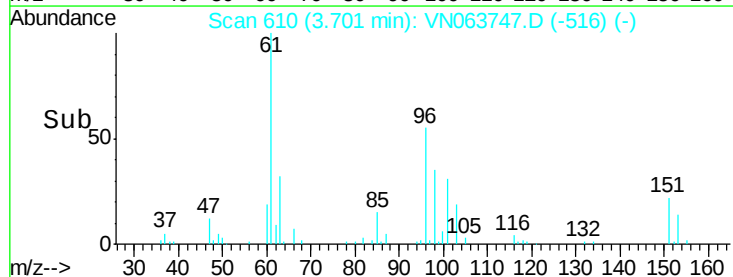
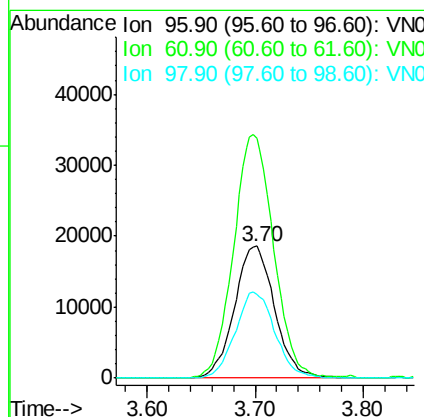
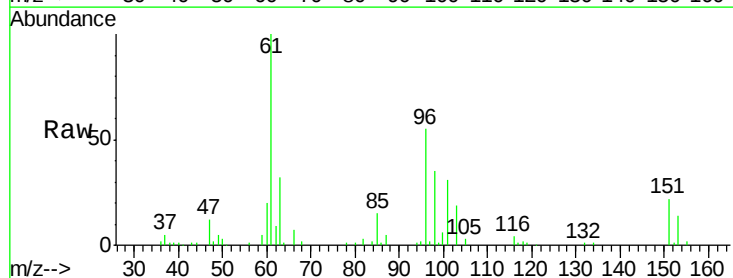
MMDadoda
10/1/2020 2:40:27 PM

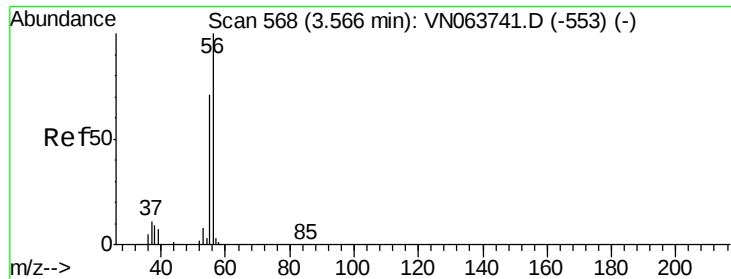


#12

1,1-Dichloroethene
Concen: 18.819 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.7	147.7	221.5
98	63.9	51.9	77.9





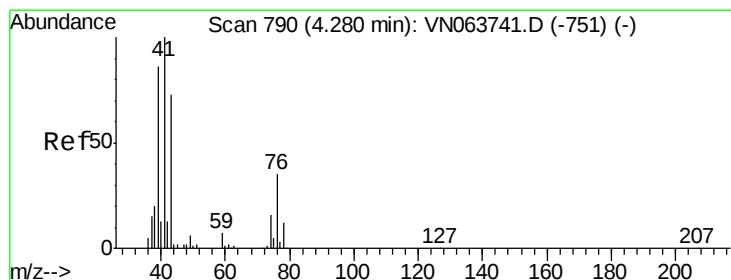
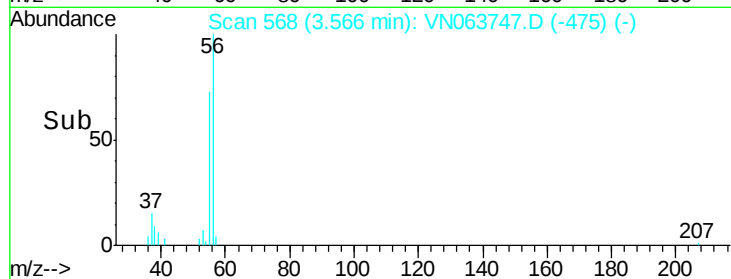
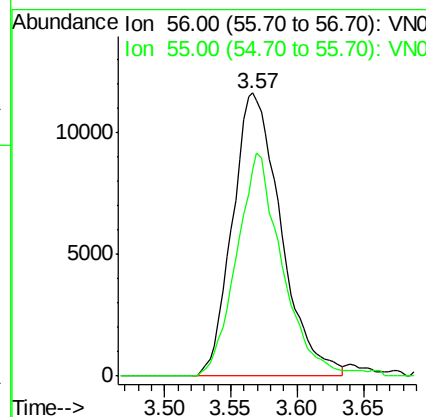
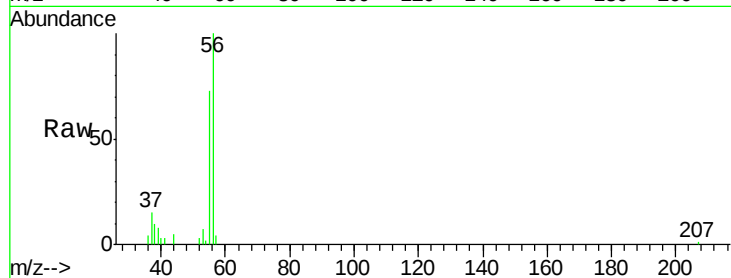
#13
Acrolein
Concen: 103.920 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	56	Resp	29483
Ion Ratio	Lower	Upper	
56	100		
55	73.6	56.9	85.3

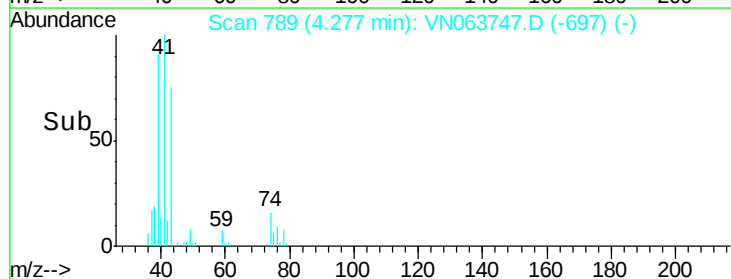
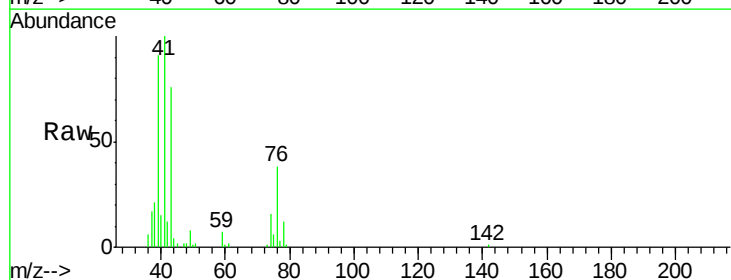
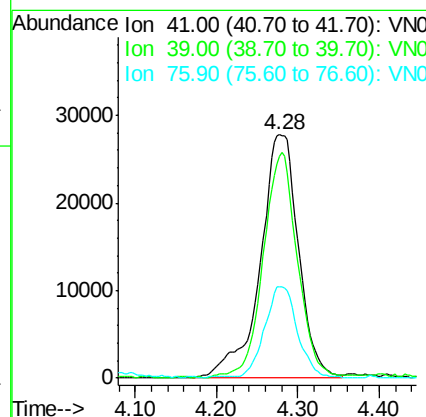
Manual Integrations
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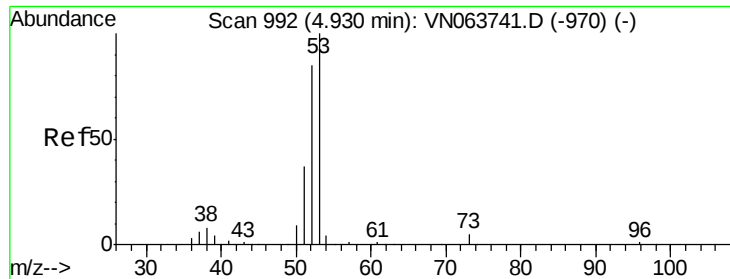
MMDadoda
10/1/2020 2:40:27 PM



#14
Allyl chloride
Concen: 19.271 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	41	Resp	91370
Ion Ratio	Lower	Upper	
41	100		
39	82.8	64.5	96.7
76	32.2	25.9	38.9





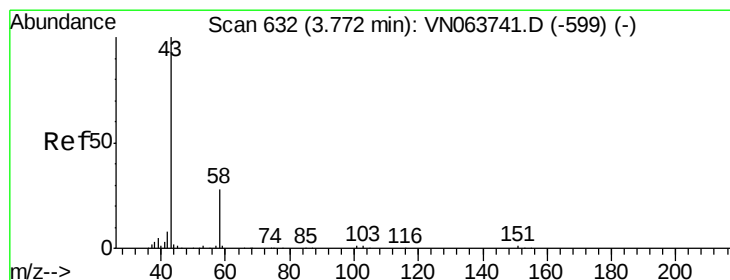
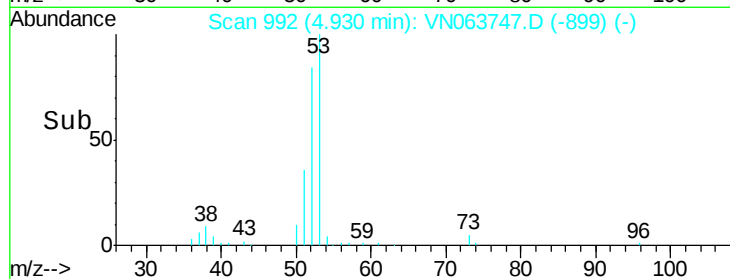
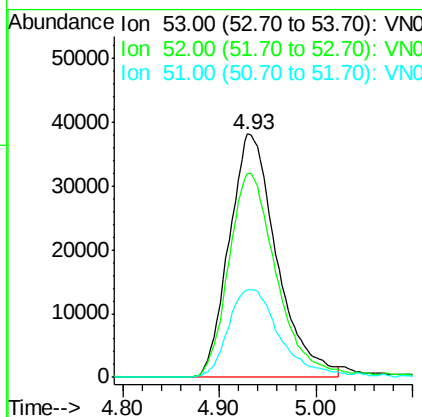
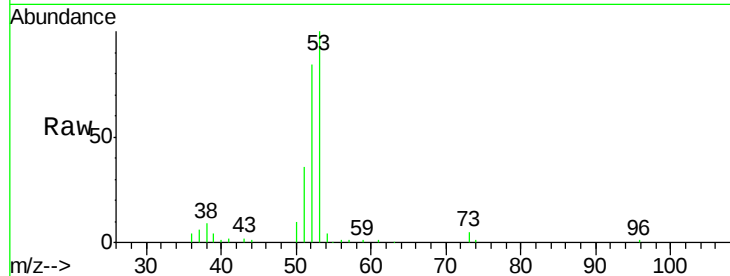
#15
 Acrylonitrile
 Concen: 98.321 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.5	99.7
51	39.1	29.9	44.9

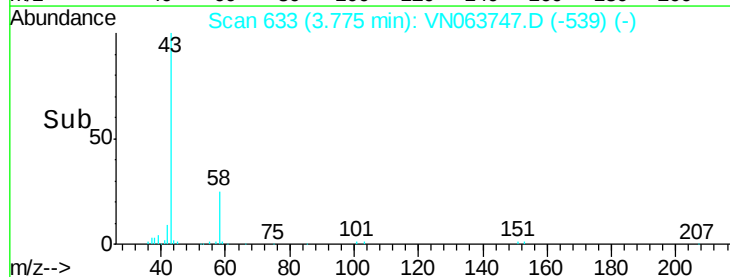
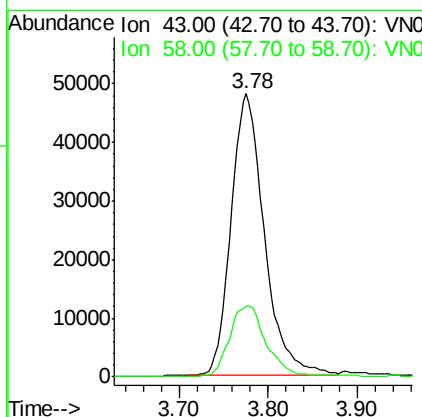
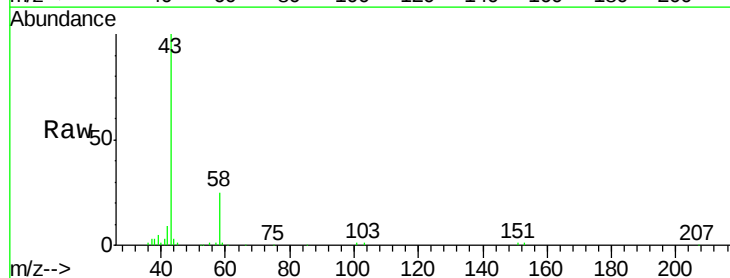
Manual Integrations
 APPROVED

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 10/1/2020 2:40:27 PM



#16
 Acetone
 Concen: 96.696 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.0	22.3	33.5





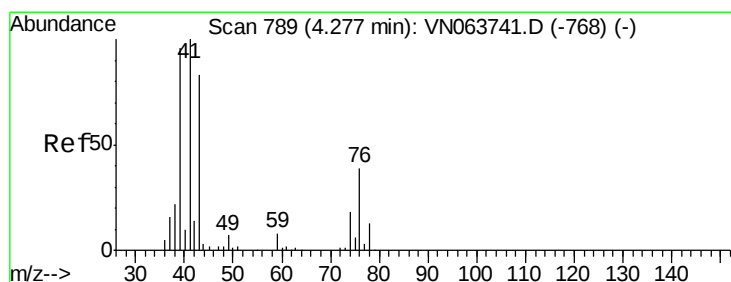
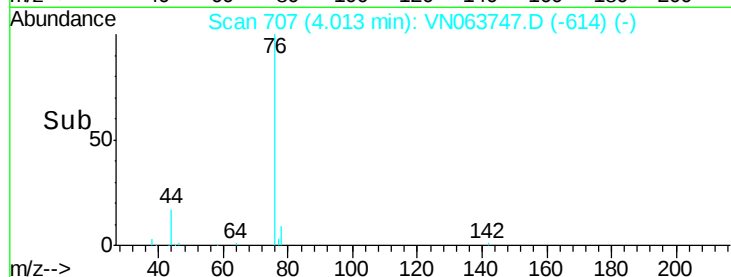
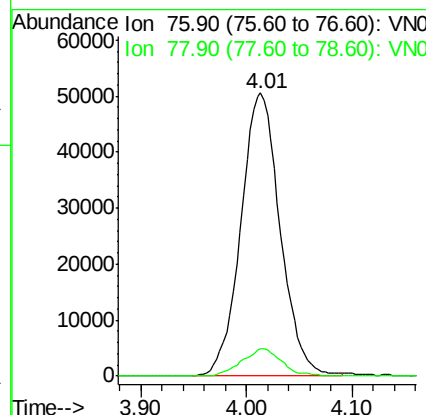
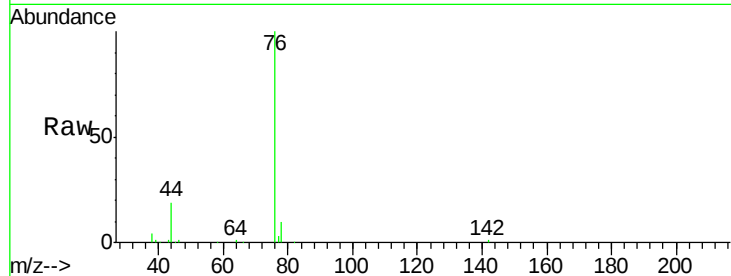
#17
Carbon Disulfide
Concen: 19.423 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

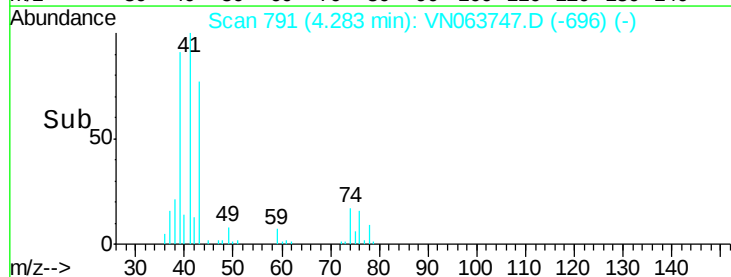
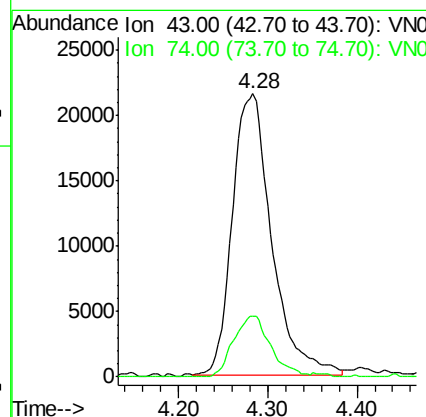
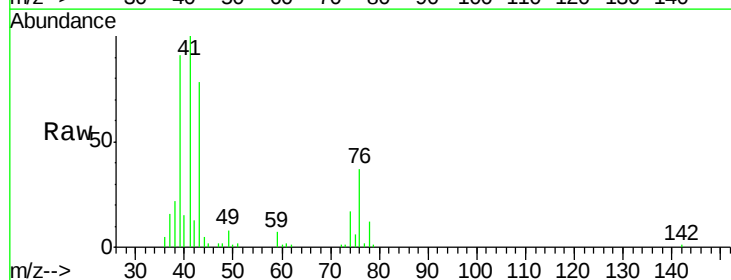
Manual Integrations
APPROVED

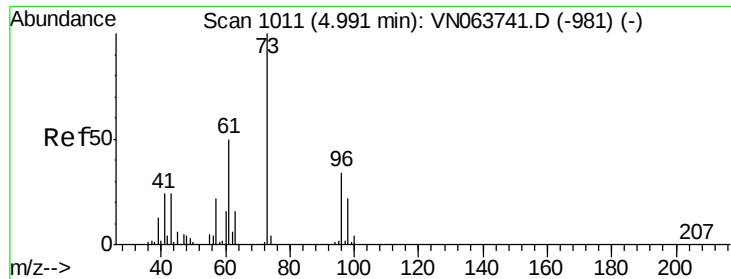
MMDadoda
10/1/2020 2:40:27 PM



#18
Methyl Acetate
Concen: 19.598 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.4	26.2





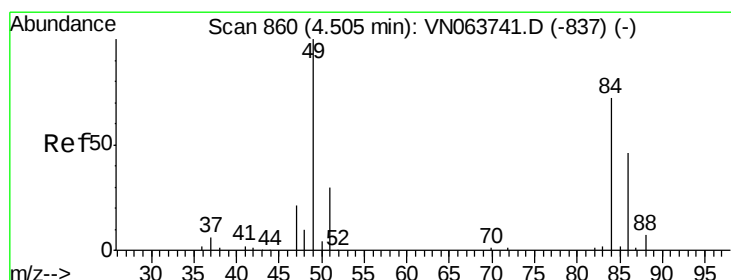
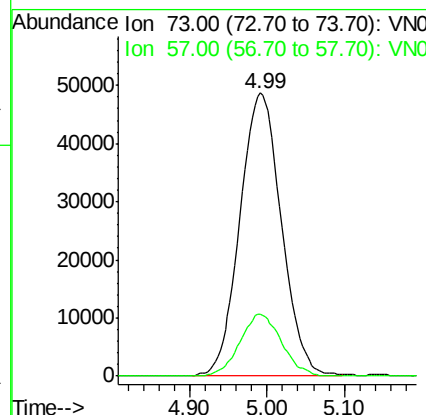
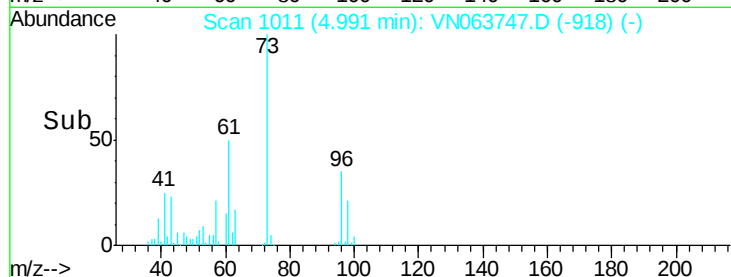
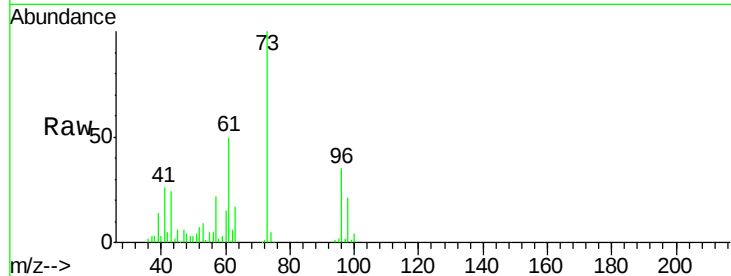
#19
Methvl tert-butvl Ether
Concen: 19.615 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 73 Resp: 181868
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

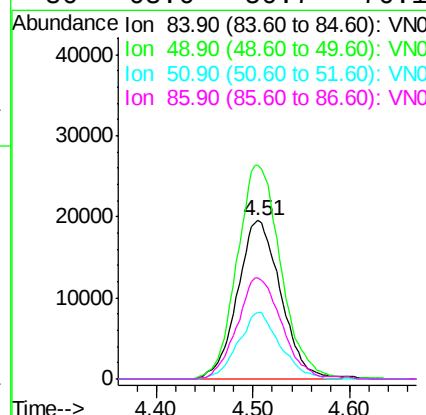
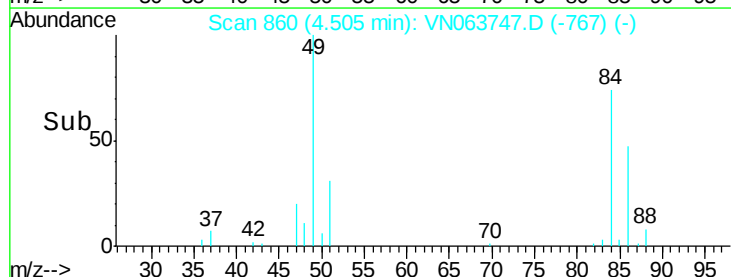
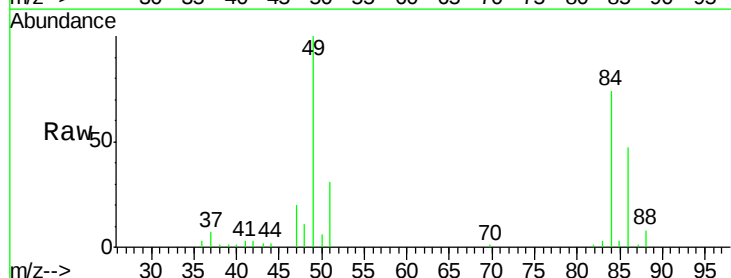
Manual Integrations
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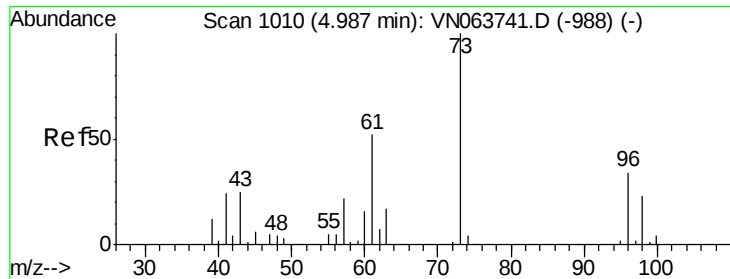
MMDadoda
10/1/2020 2:40:27 PM



#20
Methylene Chloride
Concen: 20.622 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 84 Resp: 60709
Ion Ratio Lower Upper
84 100
49 134.7 110.4 165.6
51 42.1 33.3 49.9
86 63.6 50.7 76.1





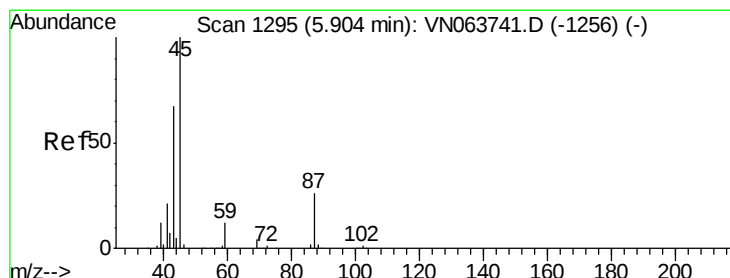
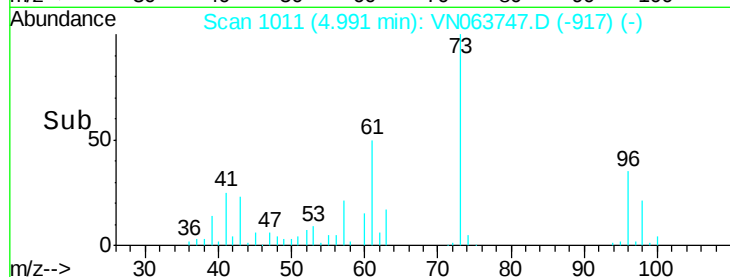
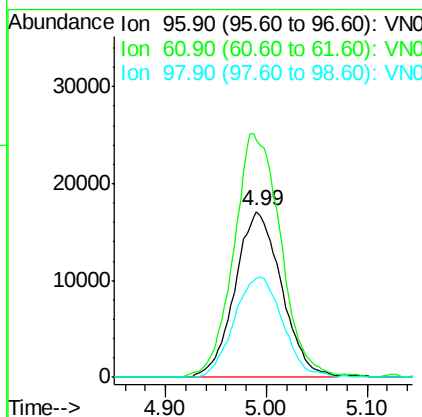
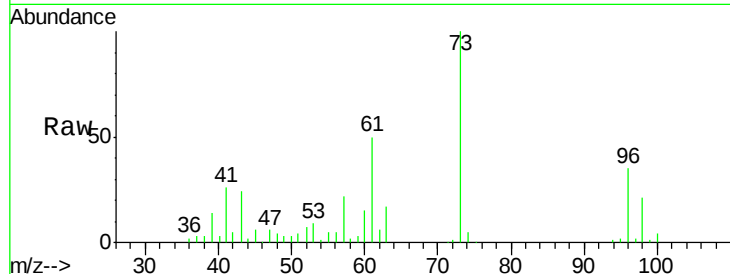
#21
trans-1,2-Dichloroethene
Concen: 19.160 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	120.2	180.2
98	59.3	52.6	79.0

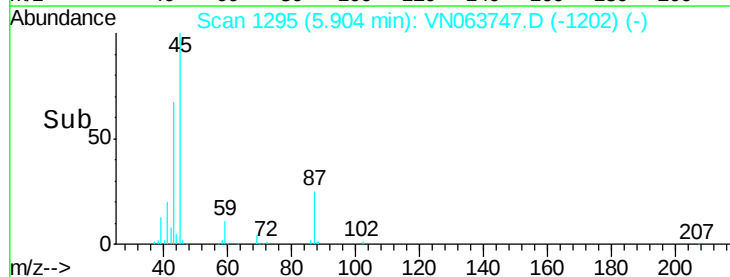
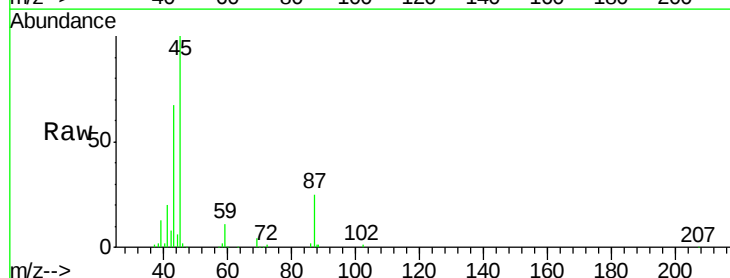
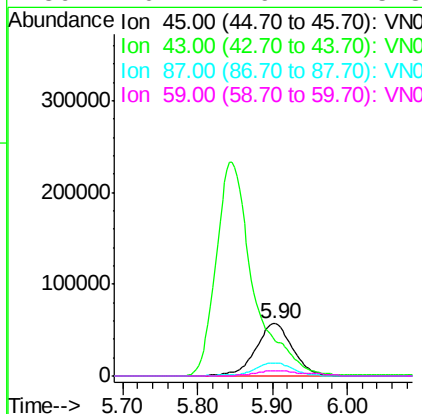
Manual Integrations
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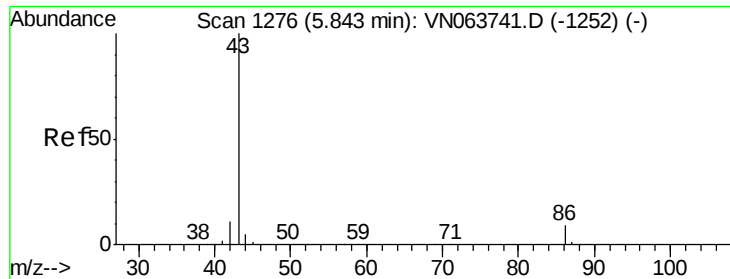
MMDadoda
10/1/2020 2:40:27 PM



#22
Diisopropyl ether
Concen: 20.075 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	53.7	80.5
87	25.0	21.1	31.7
59	10.1	9.2	13.8





#23

Vinyl Acetate

Concen: 99.682 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0930WBS01

Tot Ion: 43 Resp: 805491

Ion Ratio Lower Upper

43 100

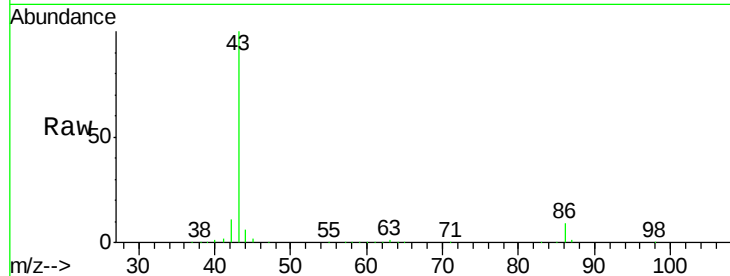
86 9.2 7.3 10.9

Manual Integrations

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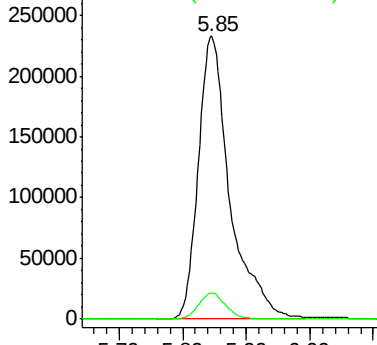
MMDadoda

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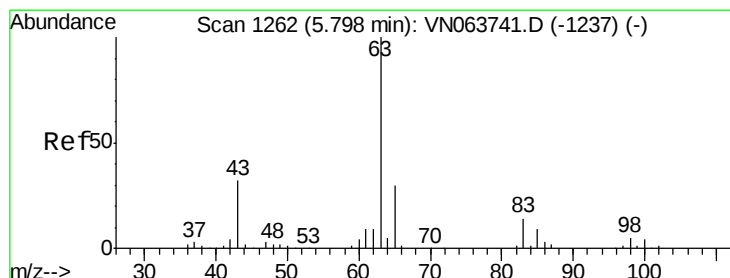
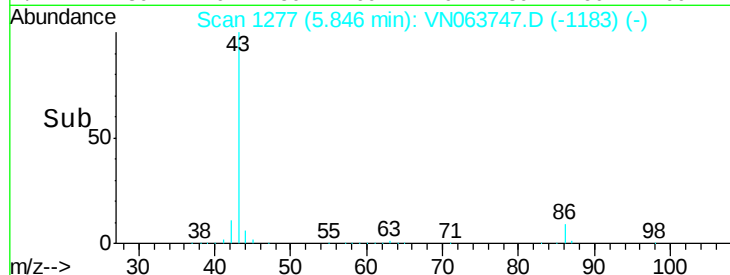


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.044 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

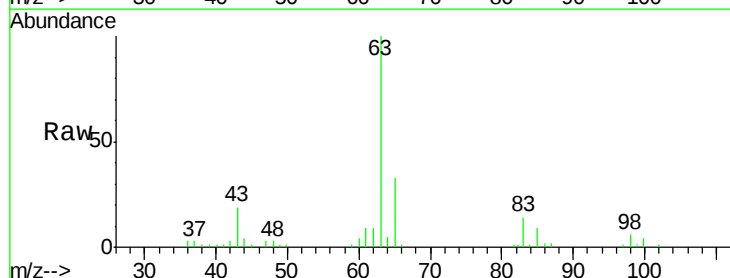
Tgt Ion: 63 Resp: 106223

Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

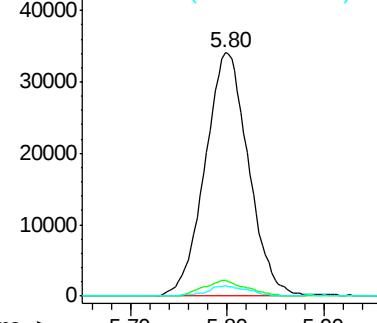
100 4.3 1.9 5.7



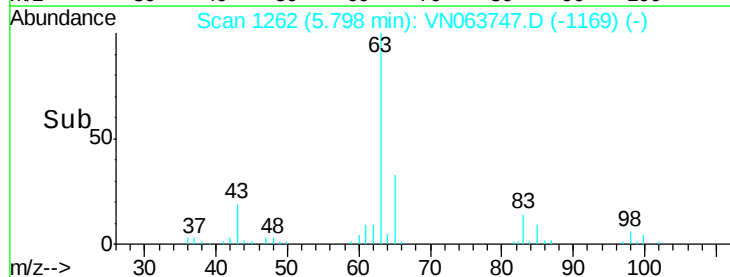
Abundance Ion 62.90 (62.60 to 63.60): VN0

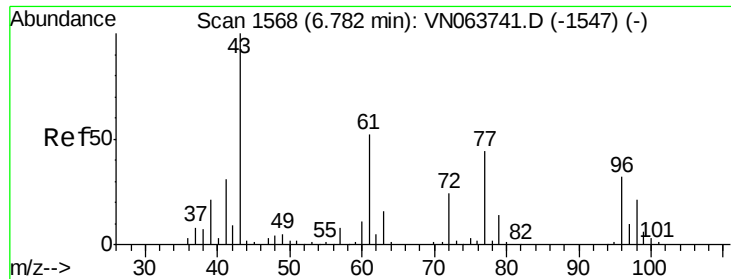
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 103.171 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0930WBS01

Tot Ion: 43 Resp: 188528

Ion Ratio Lower Upper

43 100

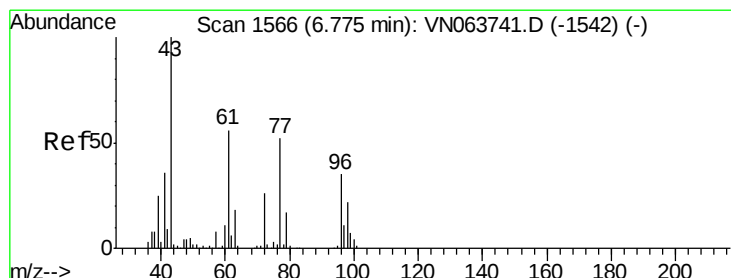
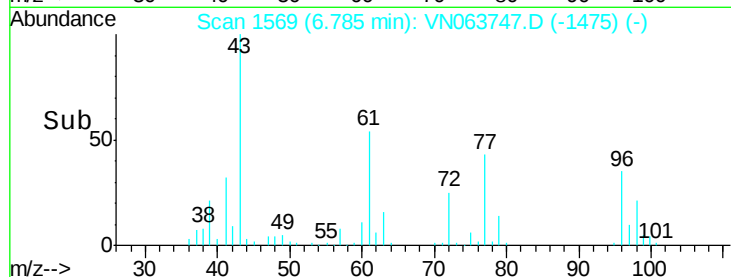
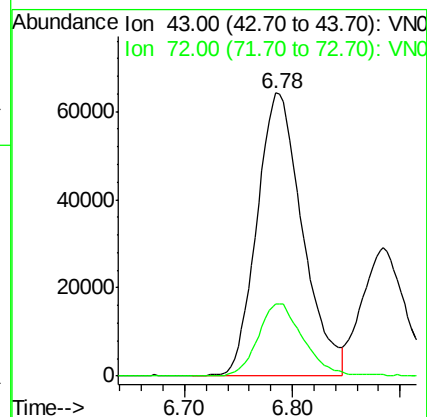
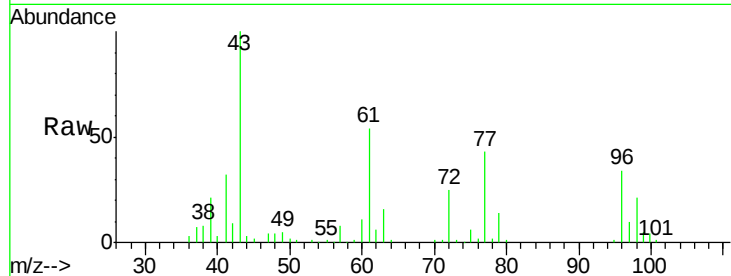
72 25.3 19.3 28.9

Manual Integrations

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MMDadoda

10/1/2020 2:40:27 PM



#26

2,2-Dichloropropane

Concen: 18.858 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063747.D

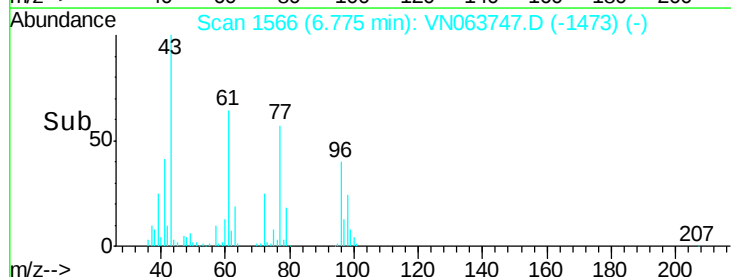
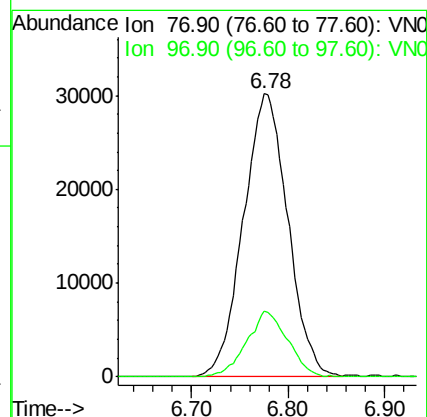
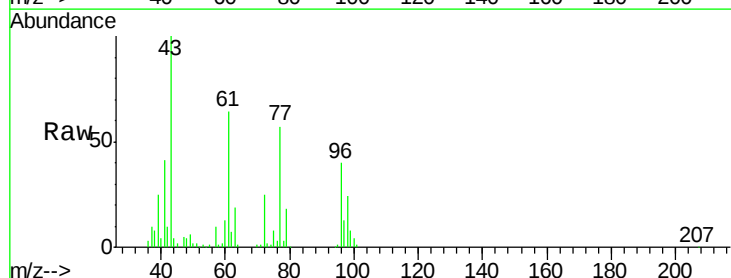
Acq: 30 Sep 2020 14:15

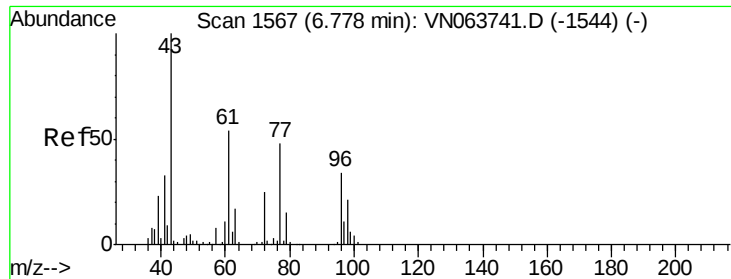
Tgt Ion: 77 Resp: 96323

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063747.D

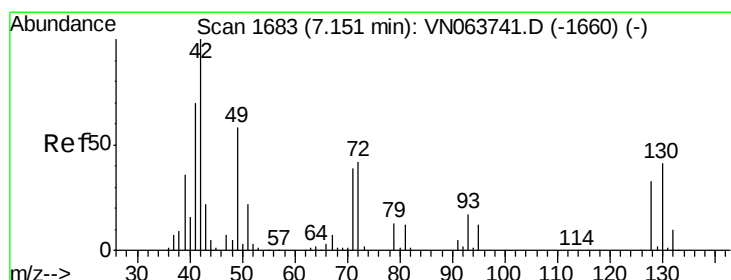
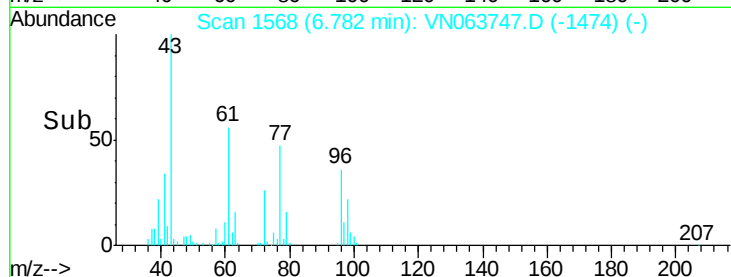
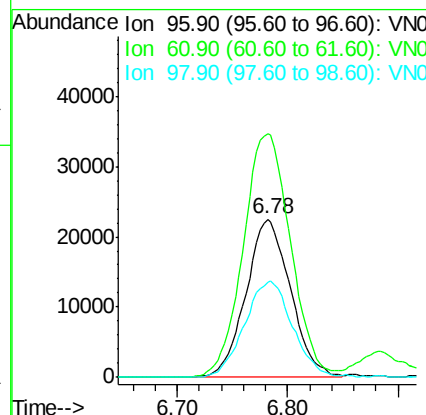
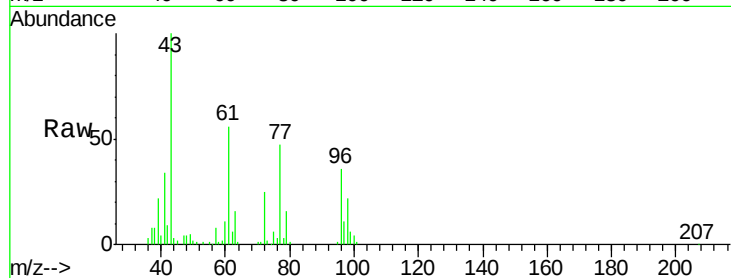
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	321.2
98	64.9	0.0	124.4

Manual Integrations
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10/1/2020 2:40:27 PM



#28

Bromochloromethane

Concen: 19.306 ug/l

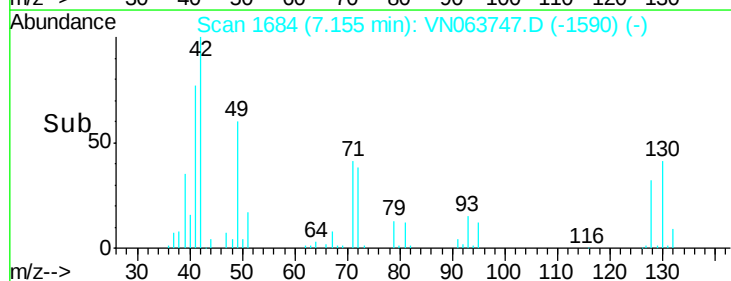
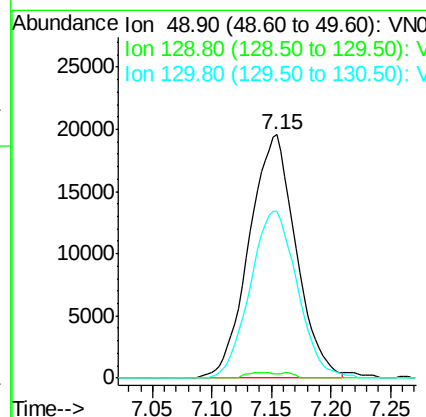
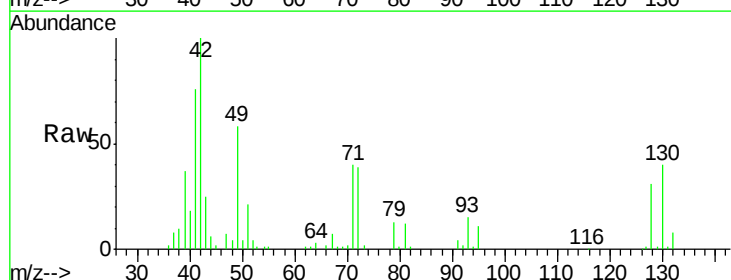
RT: 7.15 min Scan# 1684

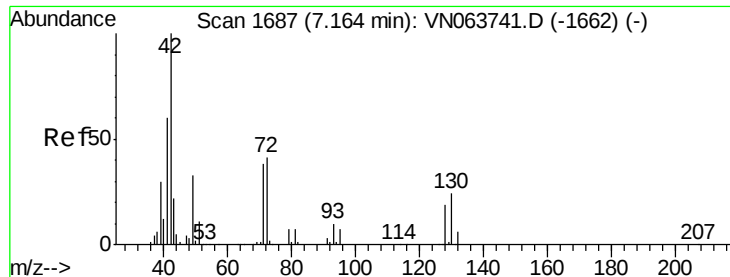
Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	69.3	55.6	83.4





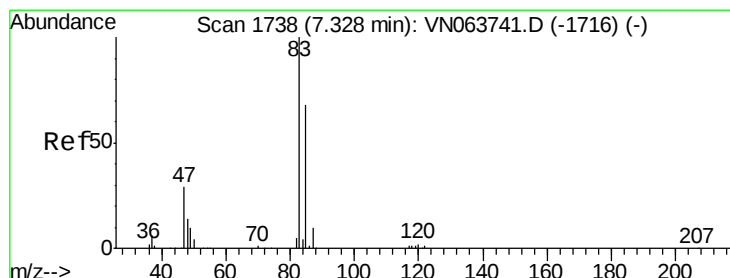
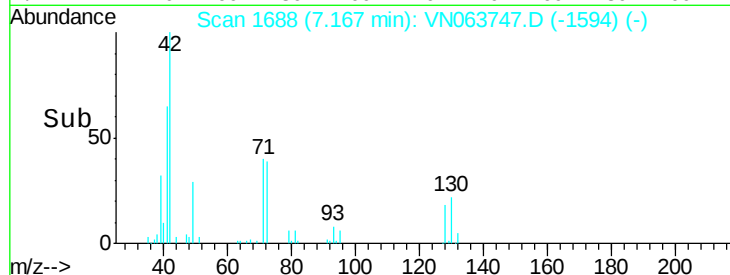
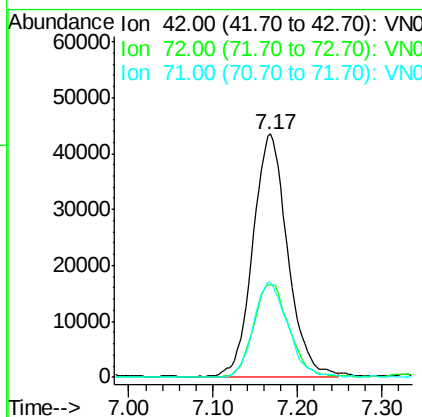
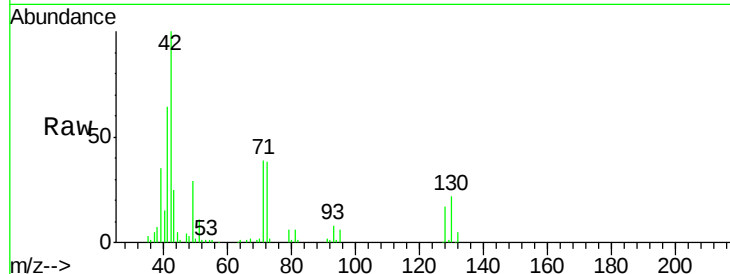
#29
Tetrahydrofuran
Concen: 102.142 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.8	49.2
71	38.4	30.6	45.8

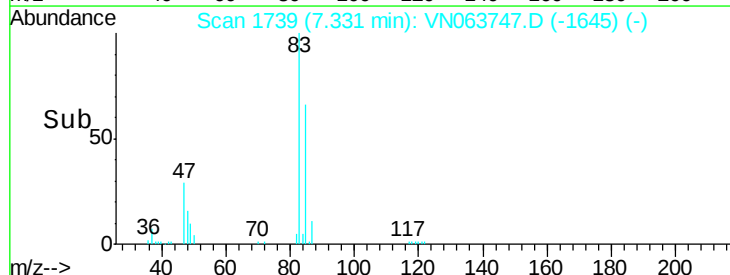
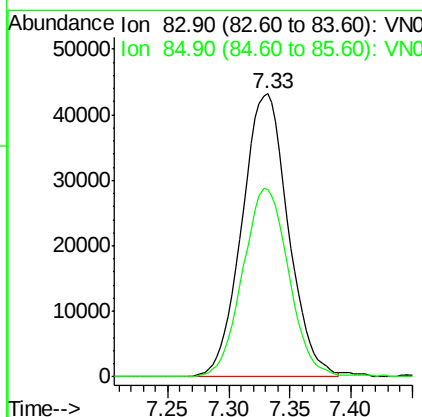
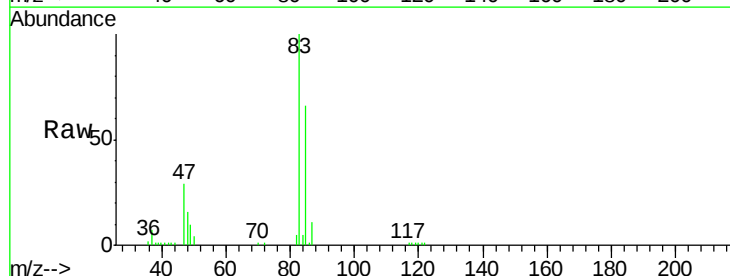
Manual Integrations
APPROVED

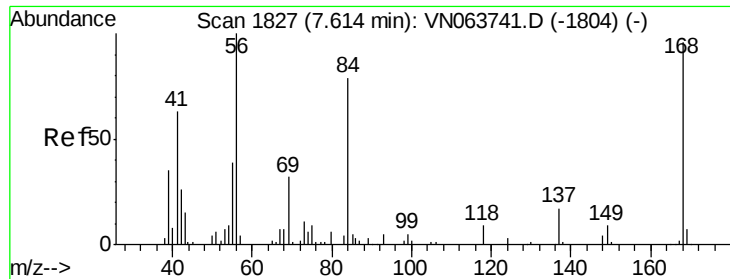
MMDadoda
10/1/2020 2:40:27 PM



#30
Chloroform
Concen: 19.528 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.6	82.0





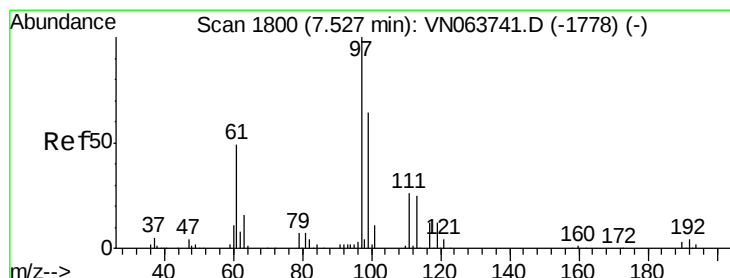
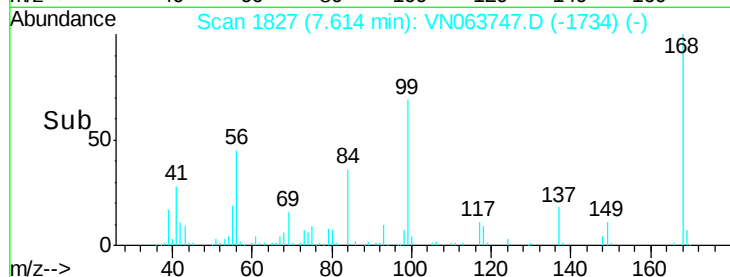
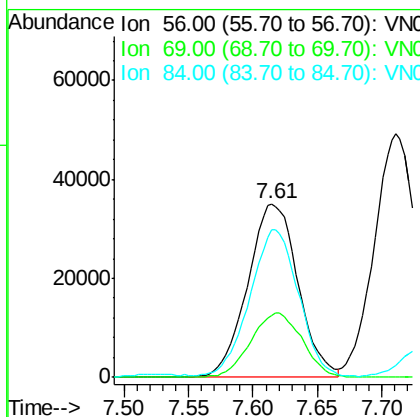
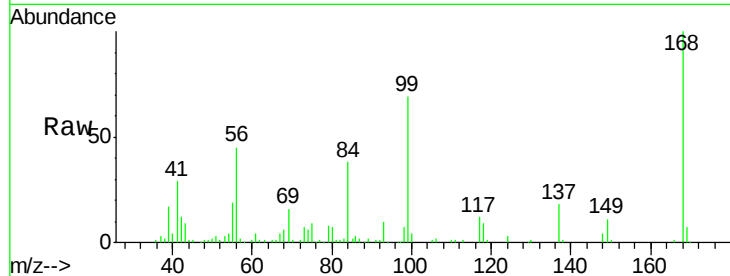
#31
Cyclohexane
Concen: 19.588 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.9	25.4	38.2	
84	83.4	63.3	94.9	

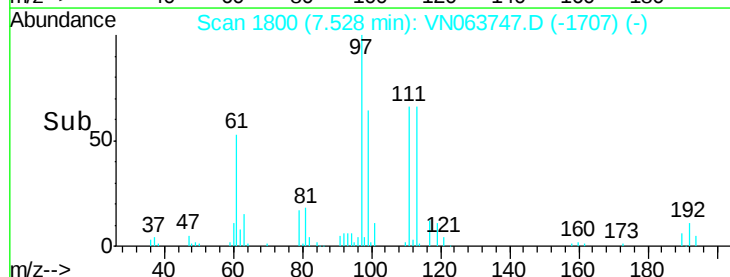
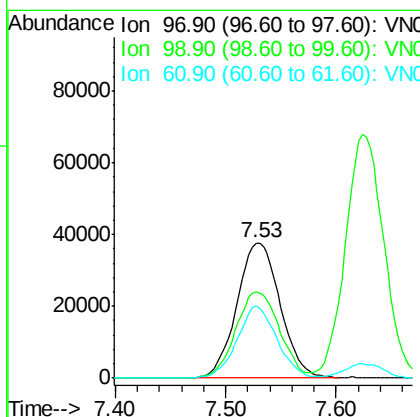
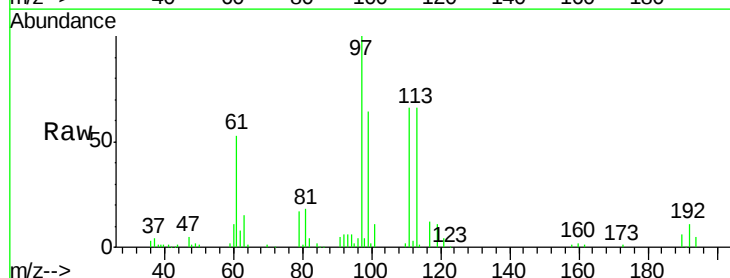
Manual Integrations
APPROVED

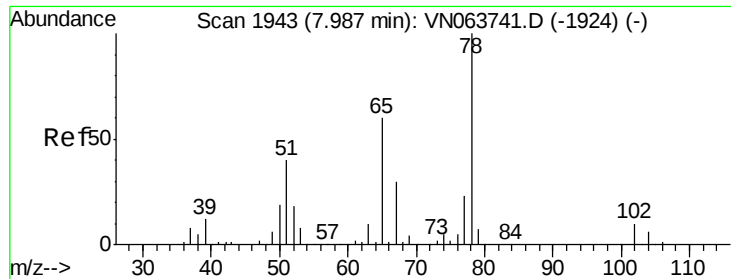
MMDadoda
10/1/2020 2:40:27 PM



#32
1,1,1-Trichloroethane
Concen: 19.501 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	51.0	76.6	
61	48.9	38.7	58.1	





#33

1,2-Dichloroethane-d4

Concen: 51.629 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tot Ion: 65 Resp: 216172

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.6

Instrument :

MSVOA_N

ClientSampleId :

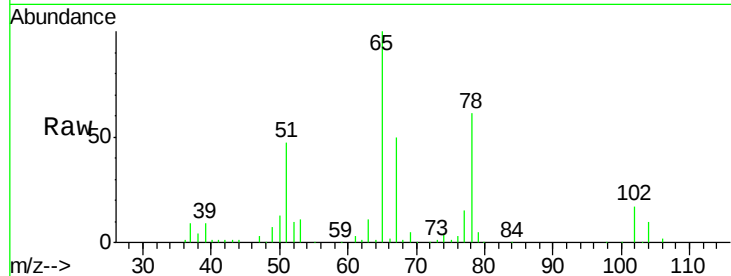
VN0930WBS01

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN063747.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063747.D (-1850) (-)

7.99

100000

80000

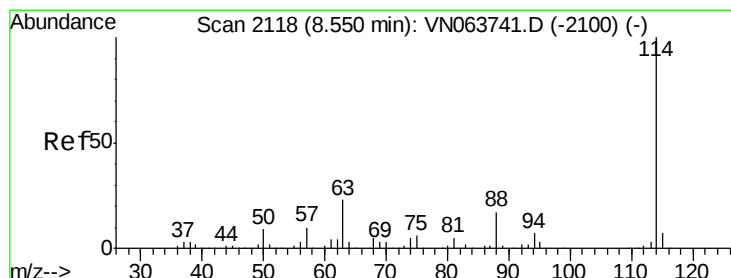
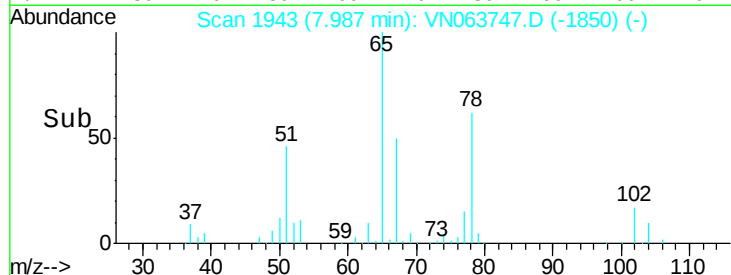
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

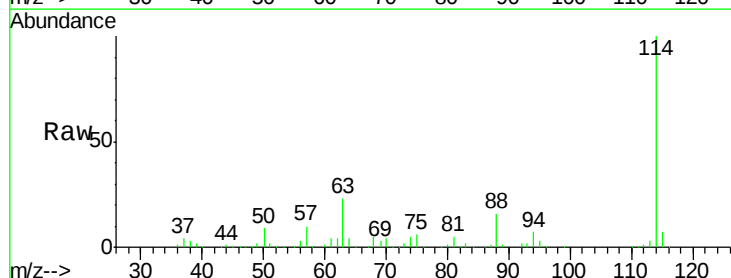
Tgt Ion: 114 Resp: 424381

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 16.3 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN063747.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063747.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063747.D (-2025) (-)

8.55

250000

200000

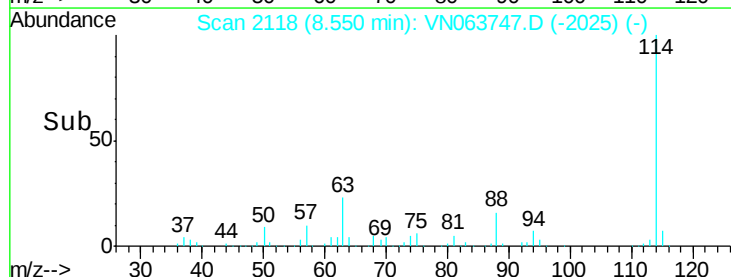
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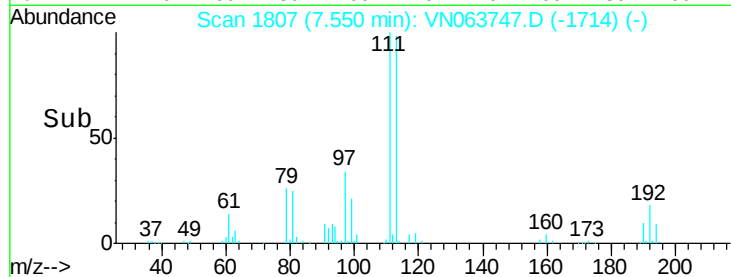
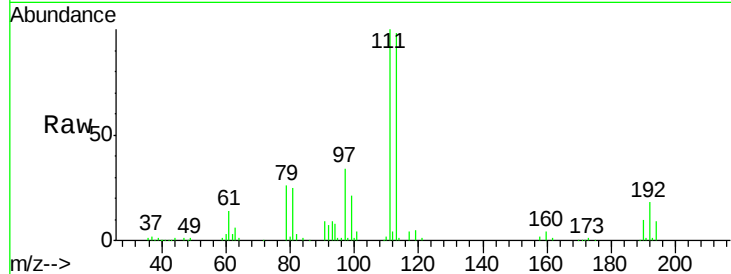
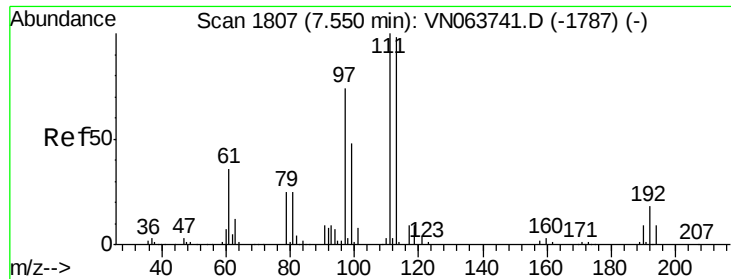
100000

50000

0

Time-->





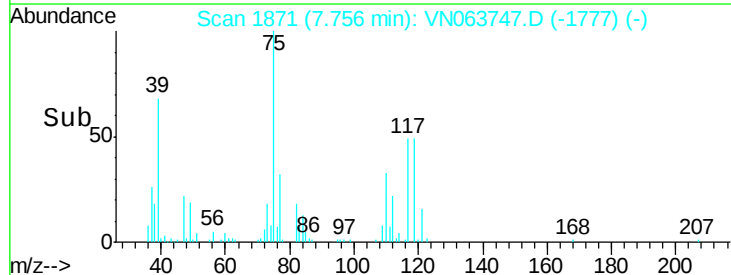
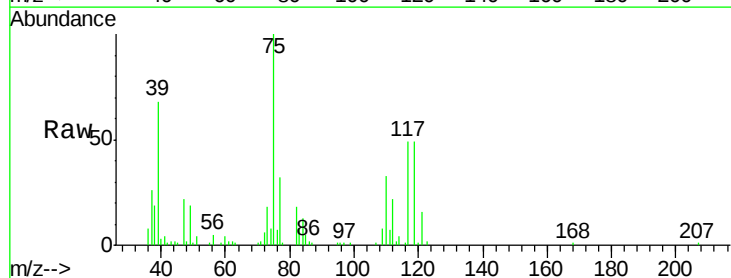
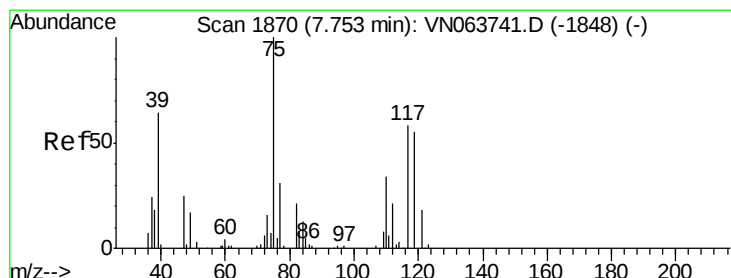
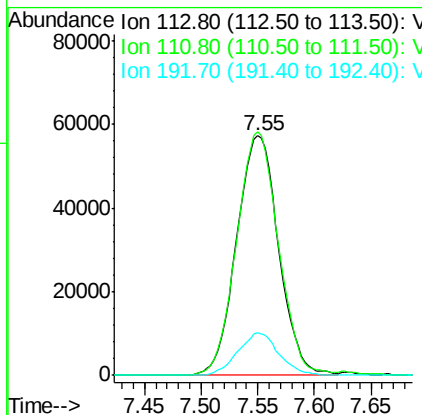
#35
Dibromofluoromethane
Concen: 50.226 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147898		
111	101.1	81.8	122.8	
192	17.3	14.2	21.2	

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

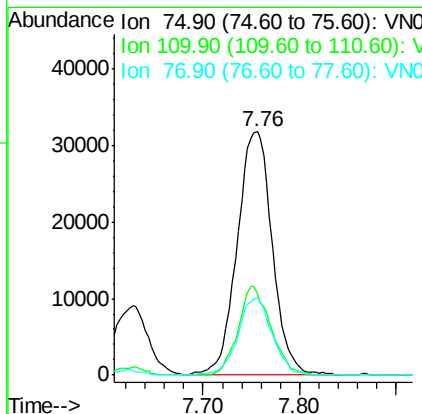
Manual Integrations
APPROVED

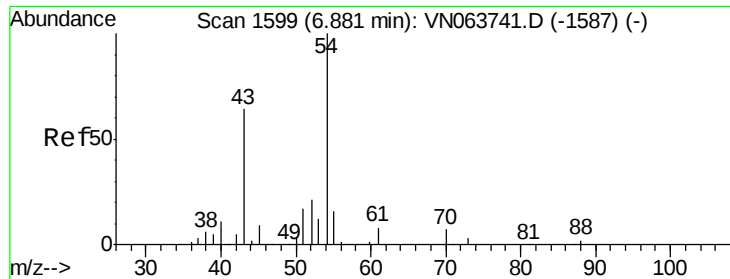
MMDadoda
10/1/2020 2:40:27 PM



#36
1,1-Dichloropropene
Concen: 18.709 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80437		
110	33.8	16.9	50.6	
77	30.8	24.5	36.7	





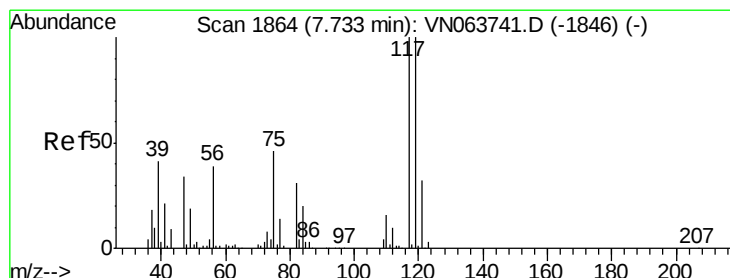
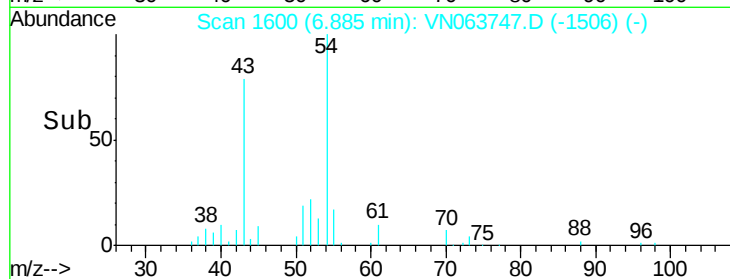
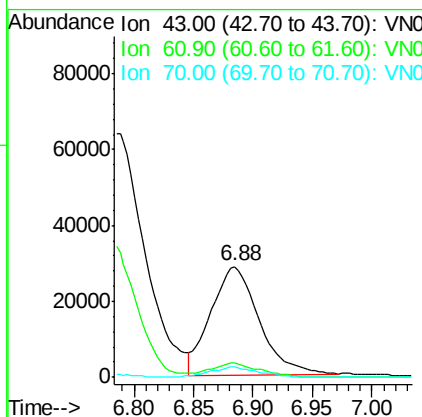
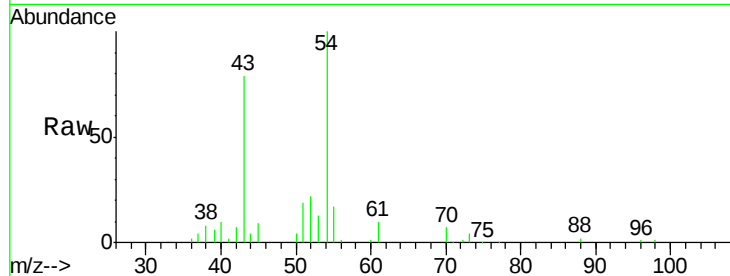
#37
Ethyl Acetate
Concen: 18.743 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	43	61	70
Resp	80059		
Ratio	100	12.8	9.5
Lower		10.4	7.3
Upper		15.6	10.9

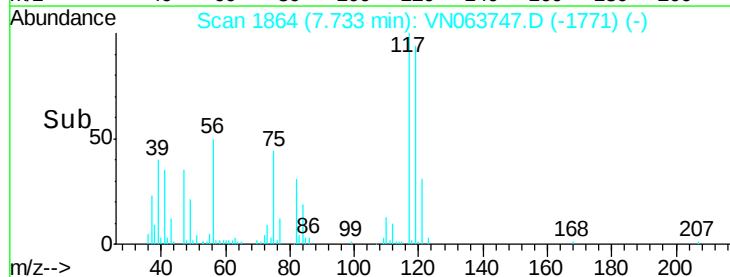
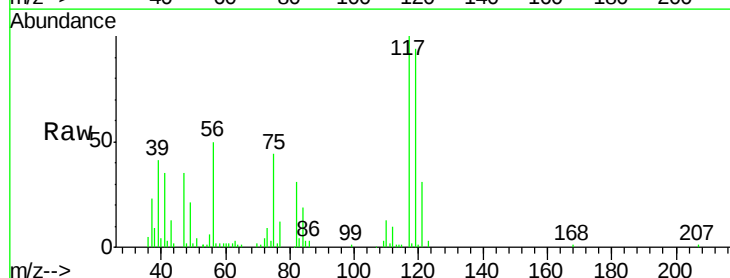
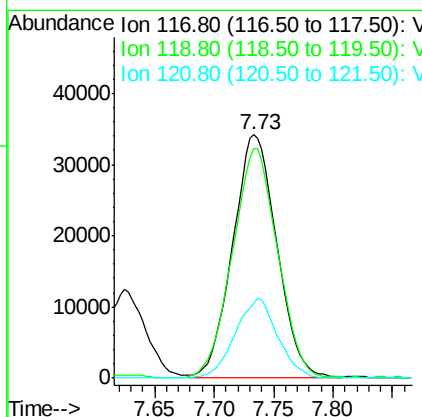
Manual Integrations
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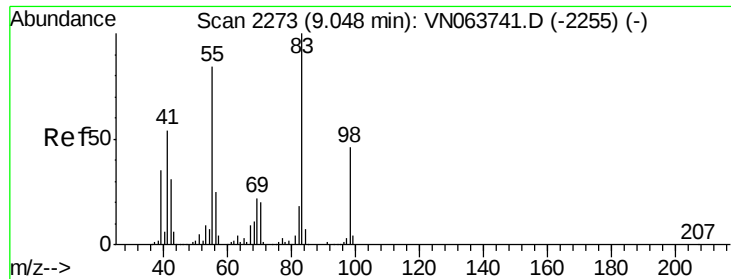
MMDadoda
10/1/2020 2:40:27 PM



#38
Carbon Tetrachloride
Concen: 18.248 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	117	119	121
Resp	87974		
Ratio	100	93.8	30.6
Lower		80.1	25.7
Upper		120.1	38.5





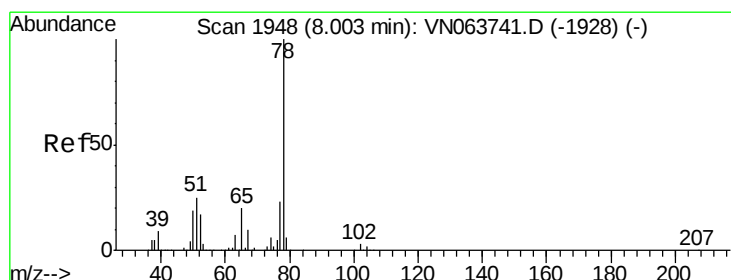
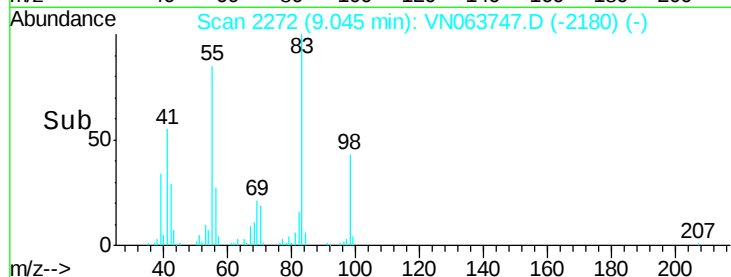
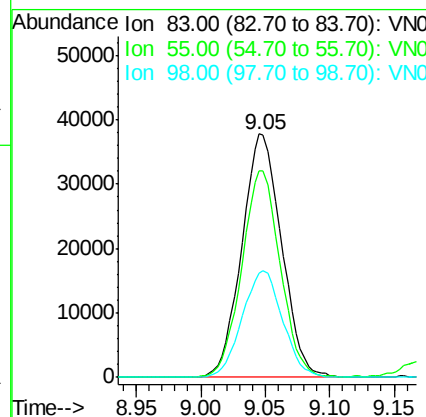
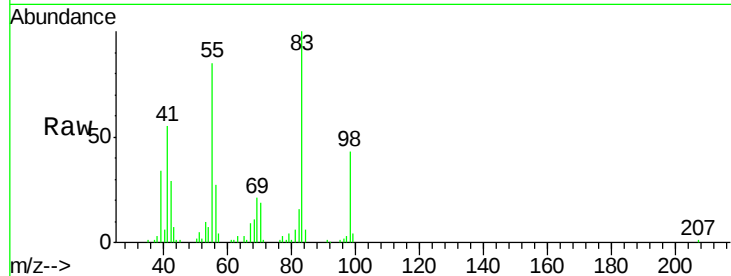
#39
Methvlcvclohexane
Concen: 18.888 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	67.1	100.7
98	42.6	36.6	54.8

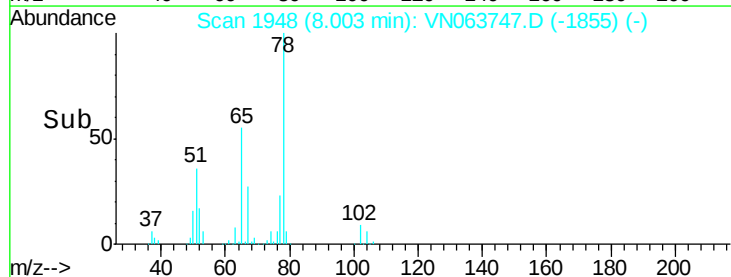
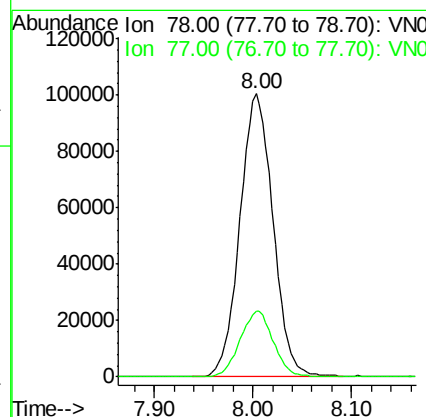
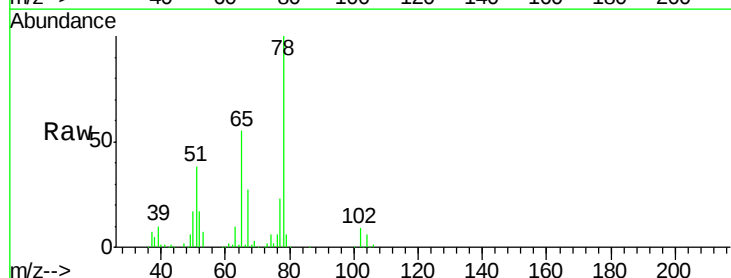
Manual Integrations
APPROVED

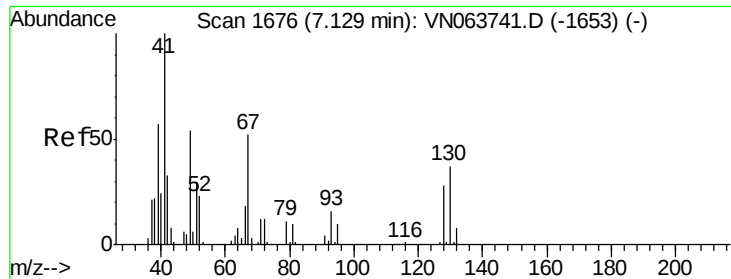
MMDadoda
10/1/2020 2:40:27 PM



#40
Benzene
Concen: 19.059 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





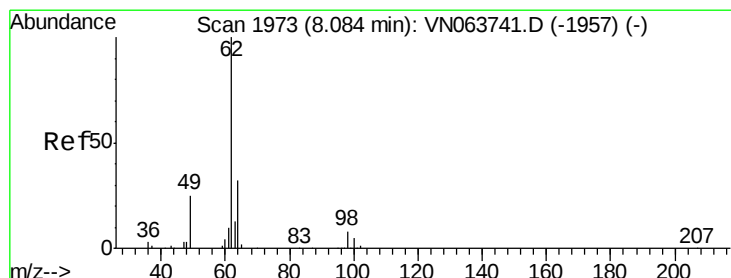
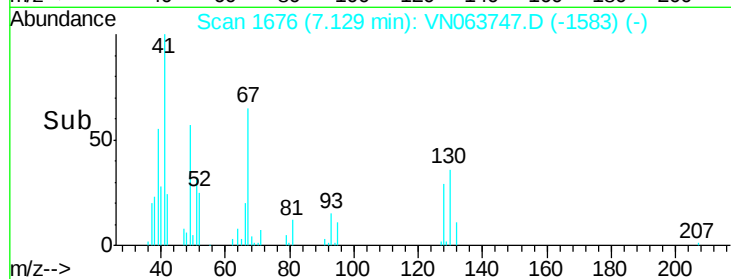
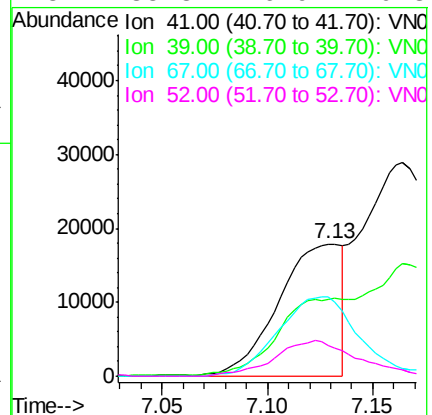
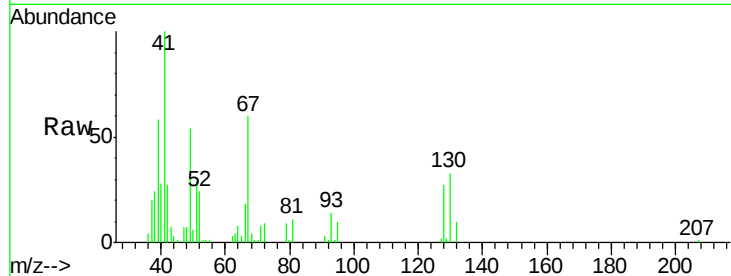
#41
Methacrylonitrile
Concen: 19.708 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	42.5	63.7	
67	77.3	57.4	86.2	
52	35.8	26.9	40.3	

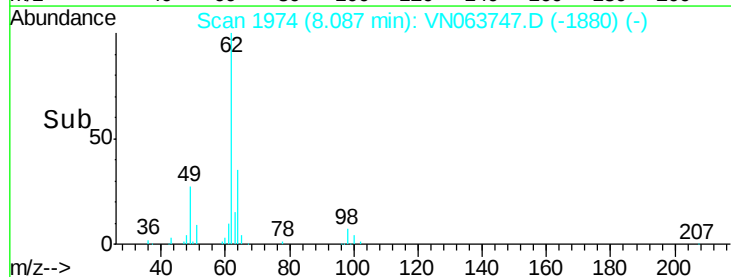
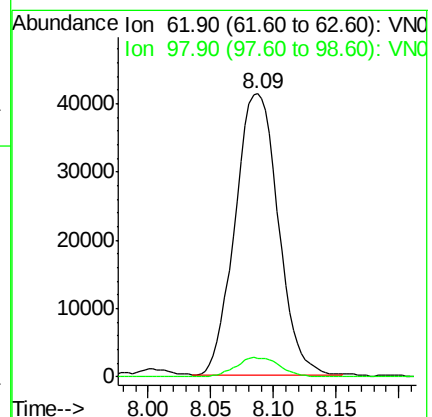
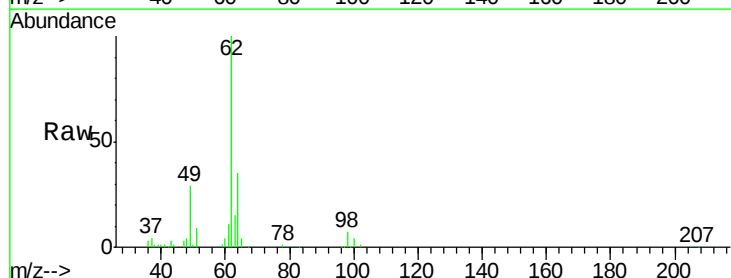
Manual Integrations
APPROVED

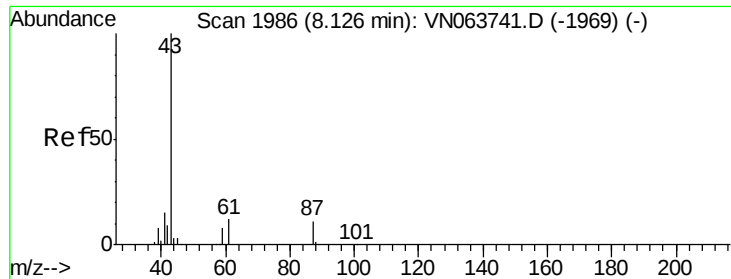
MMDadoda
10/1/2020 2:40:27 PM



#42
1,2-Dichloroethane
Concen: 18.705 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	15.0	





#43

Isopropyl Acetate

Concen: 19.943 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

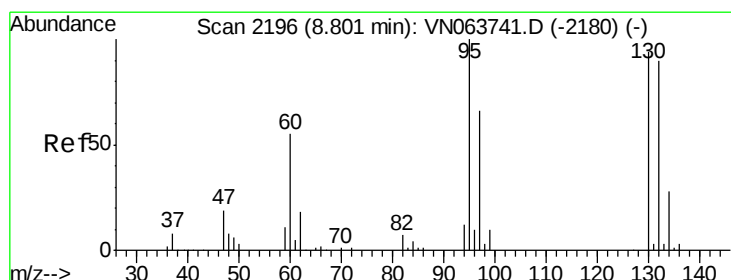
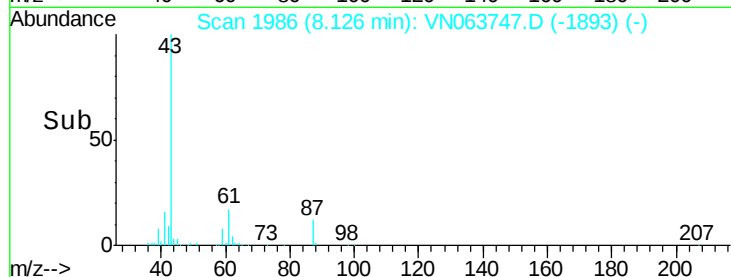
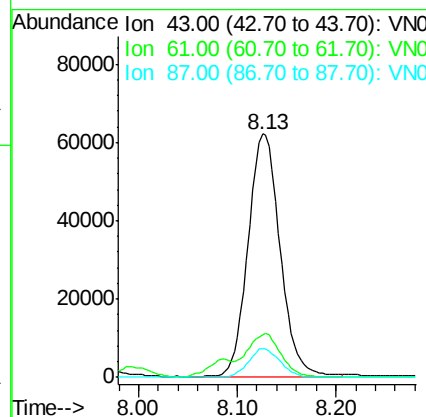
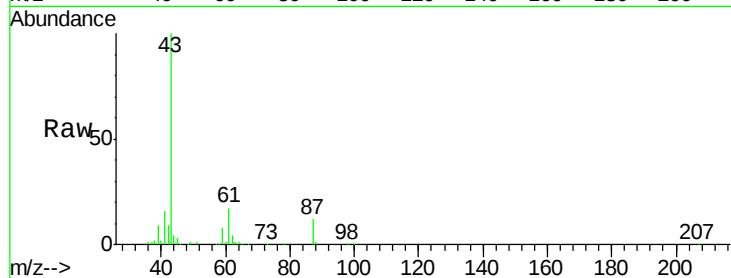
ClientSampleId :

VN0930WBS01

Tot Ion:	43	Resp:	140511
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.2	21.4
87	11.4	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.435 ug/l

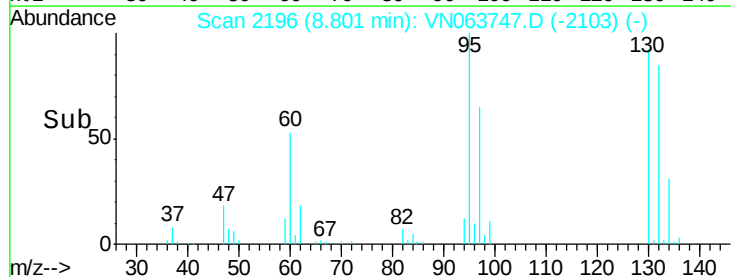
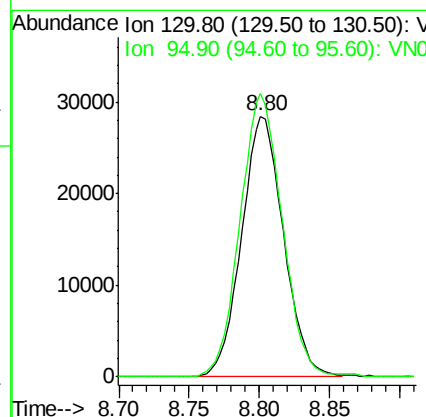
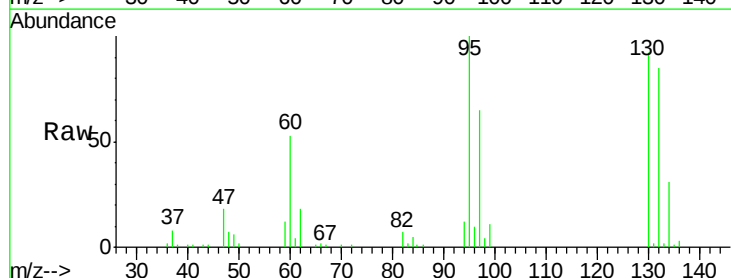
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:	130	Resp:	59317
Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.387 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0930WBS01

Tot Ion: 63 Resp: 64298

Ion Ratio Lower Upper

63 100

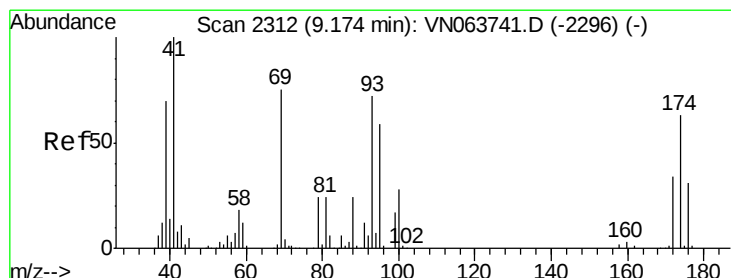
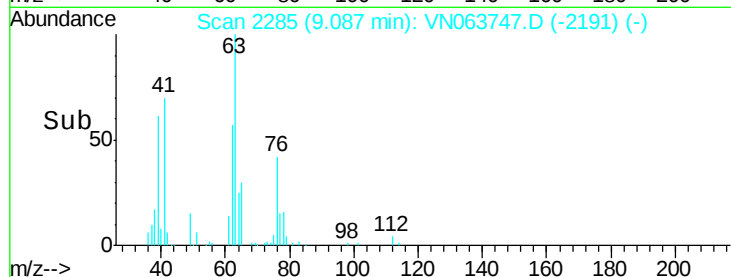
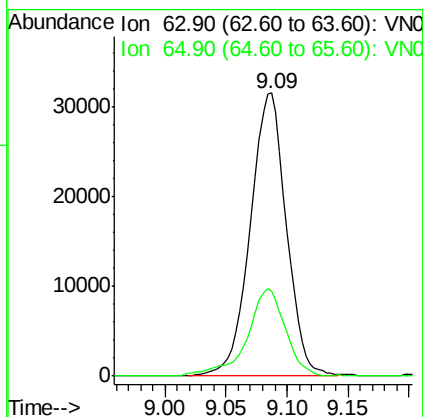
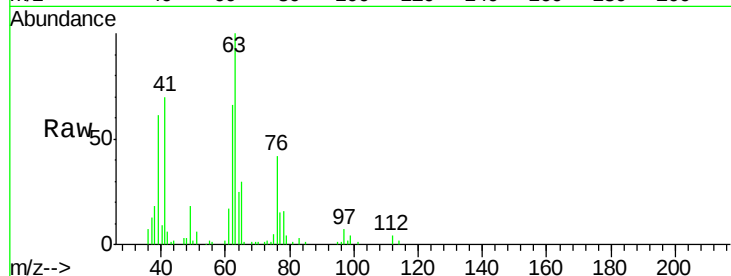
65 29.6 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.172 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

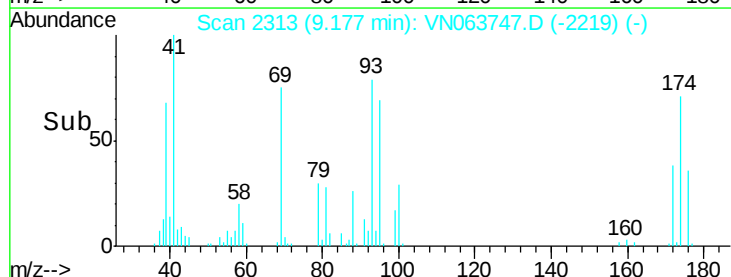
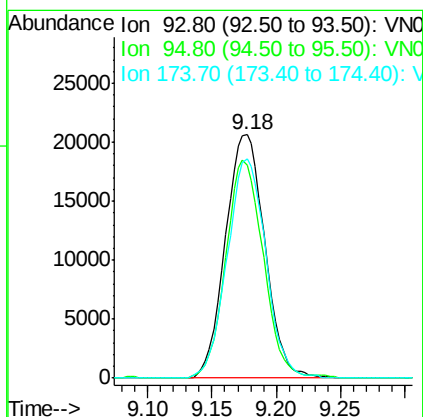
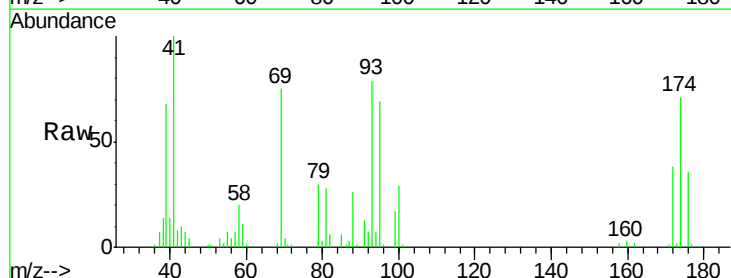
Tgt Ion: 93 Resp: 43864

Ion Ratio Lower Upper

93 100

95 85.0 66.3 99.5

174 88.4 72.7 109.1





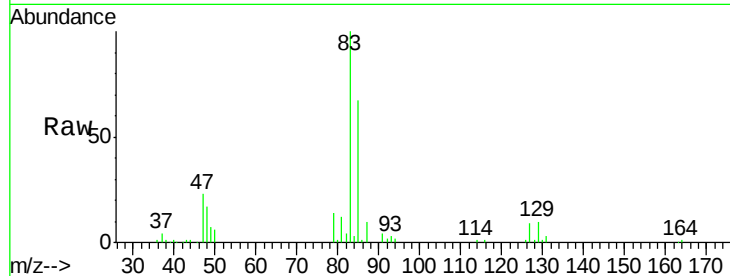
#47
Bromodichloromethane
Concen: 18.987 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

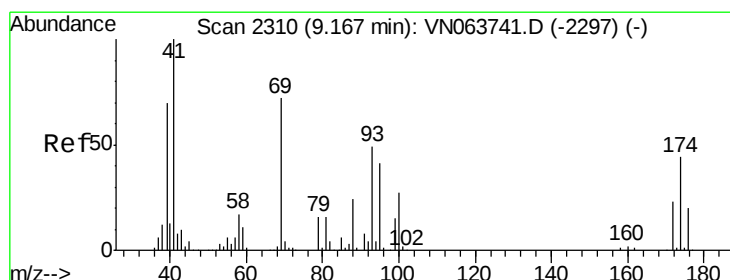
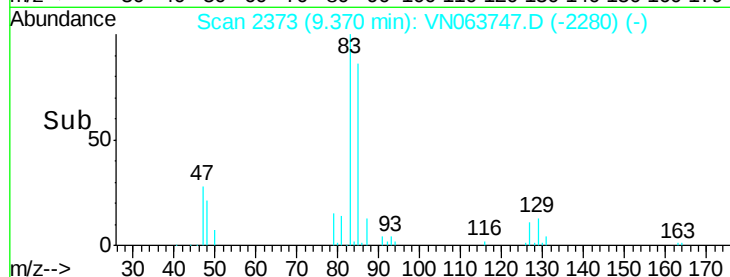
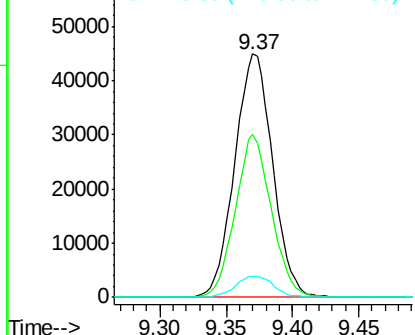
Tot Ion:	83	Resp:	89525
Ion Ratio	Lower	Upper	
83	100		
85	66.8	50.6	75.8
127	8.7	6.6	9.8

Manual Integrations
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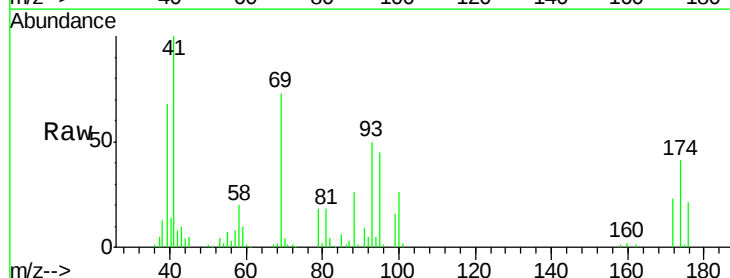


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

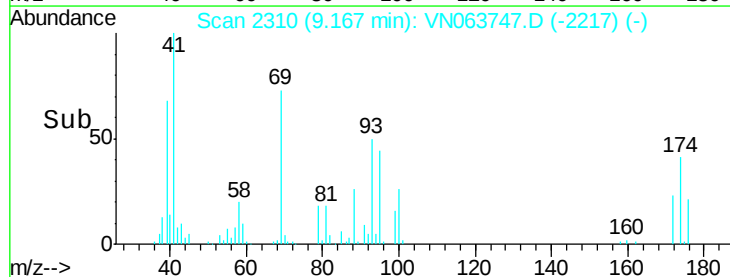
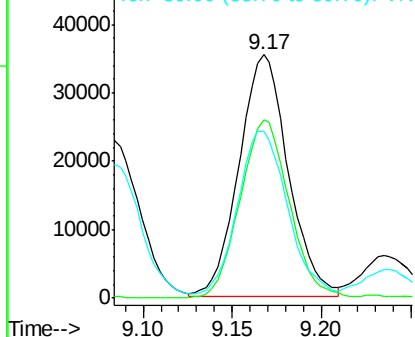


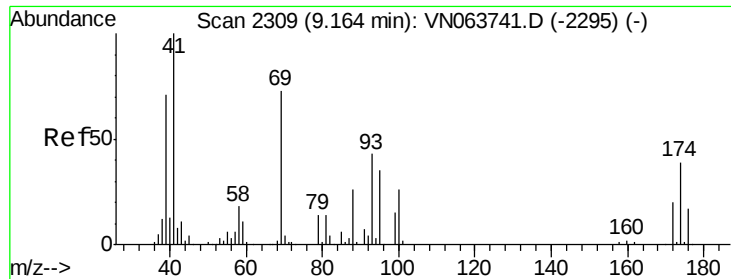
#48
Methyl methacrylate
Concen: 19.599 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:	41	Resp:	68225
Ion Ratio	Lower	Upper	
41	100		
69	73.7	60.9	91.3
39	70.3	57.5	86.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





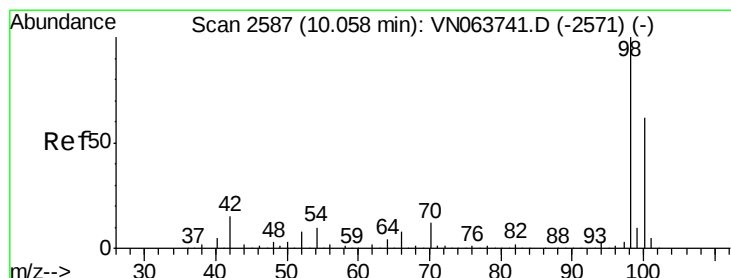
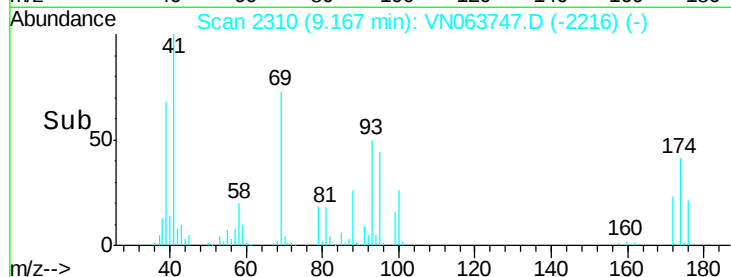
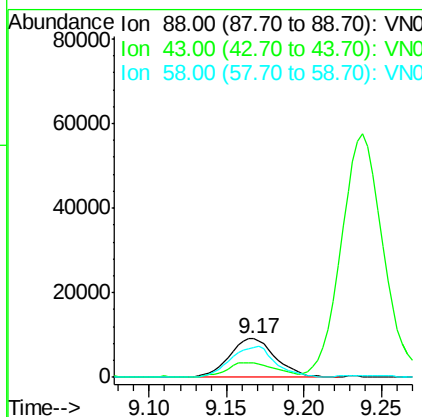
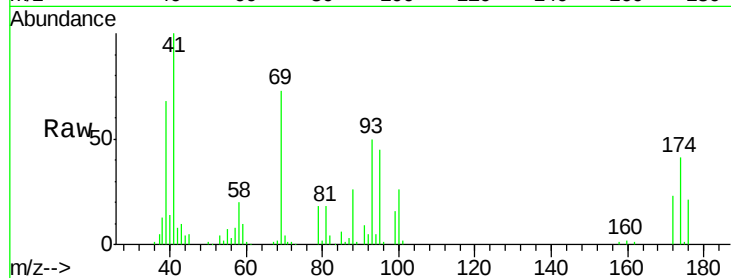
#49
1,4-Dioxane
Concen: 384.171 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.1	33.1	49.7
58	76.8	58.9	88.3

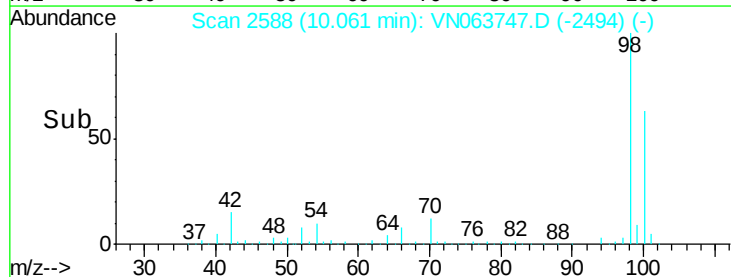
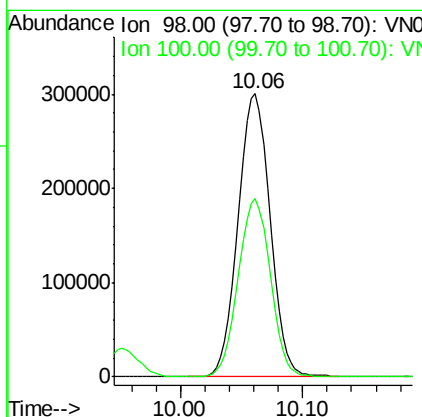
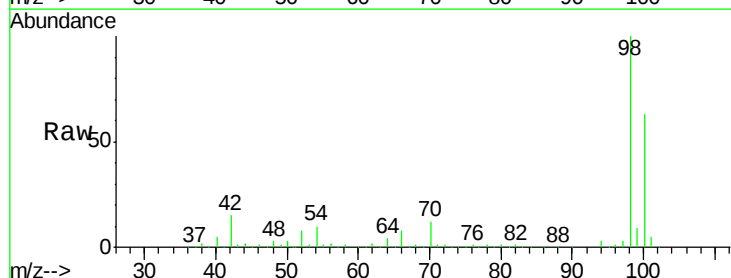
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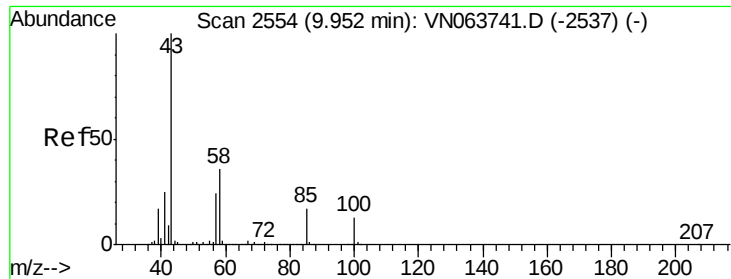
MMDadoda
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#50
Toluene-d8
Concen: 48.926 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.6





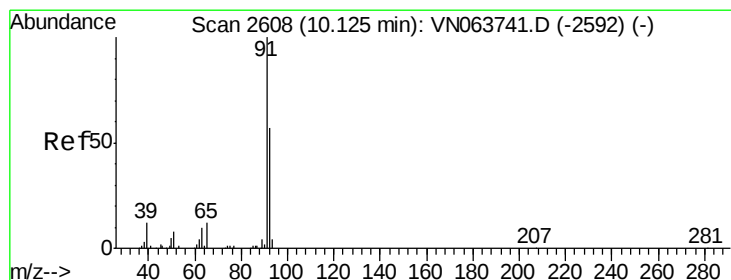
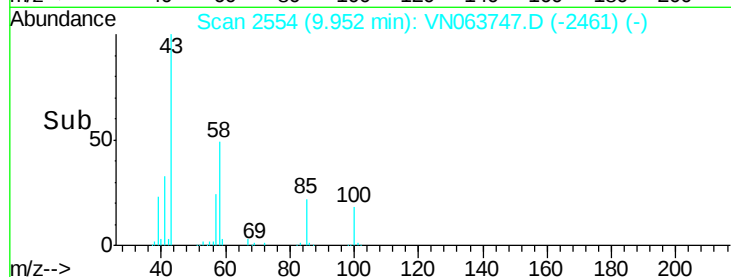
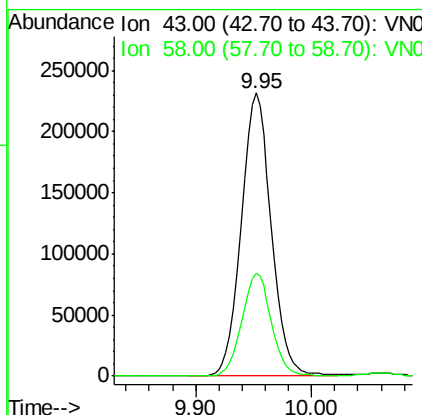
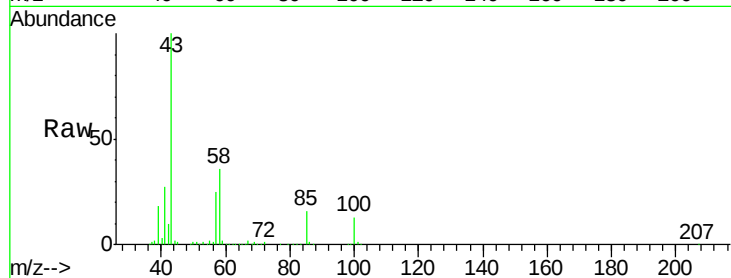
#51
4-Methyl-2-Pentanone
Concen: 100.567 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	43	Resp	415818
Ion Ratio	100	Lower	Upper
43	100		
58	35.8	28.4	42.6

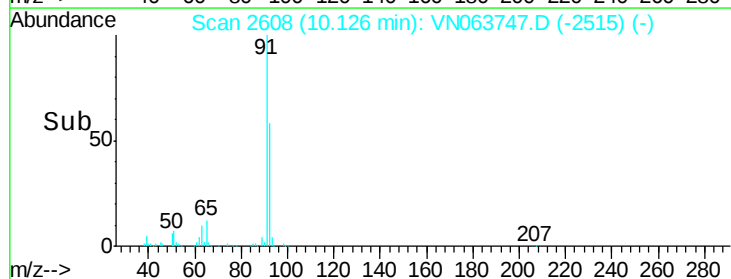
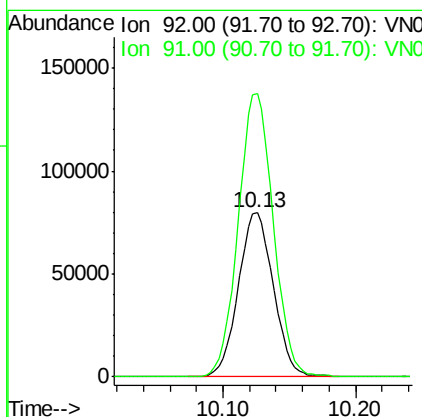
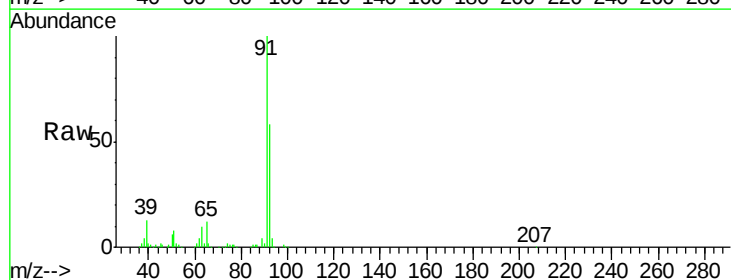
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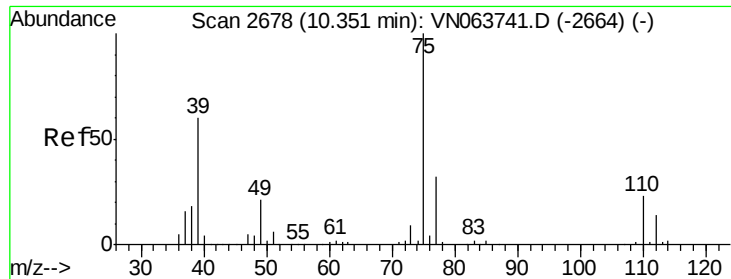
MMDadoda
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#52
Toluene
Concen: 19.233 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	92	Resp	146085
Ion Ratio	100	Lower	Upper
92	100		
91	173.3	140.6	210.8





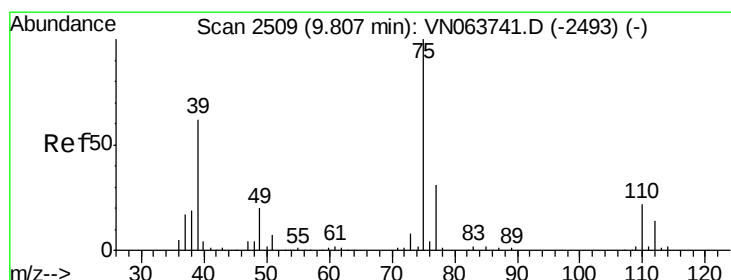
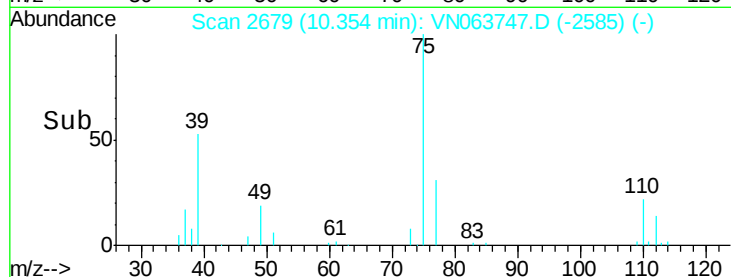
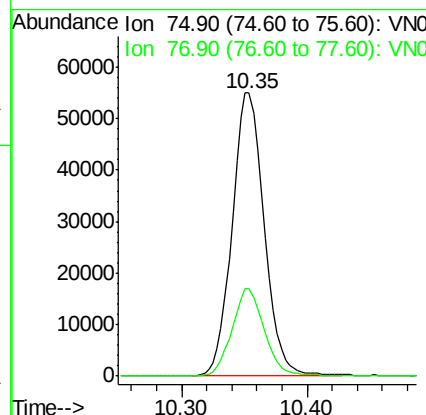
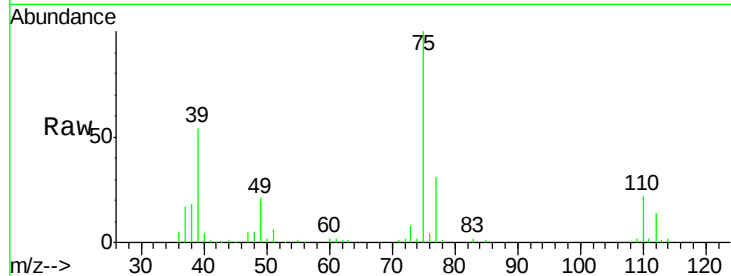
#53
t-1,3-Dichloropropene
Concen: 19.315 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

Tot Ion: 75 Resp: 97624
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9

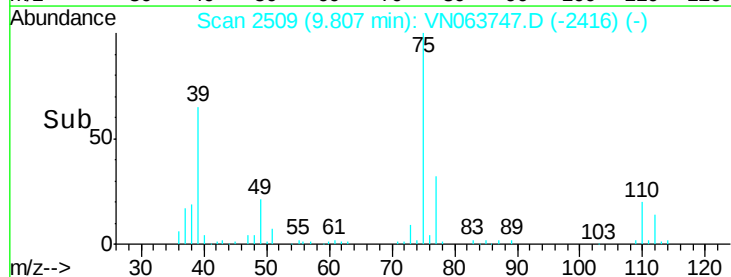
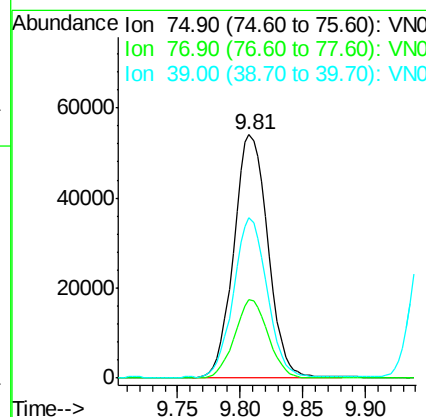
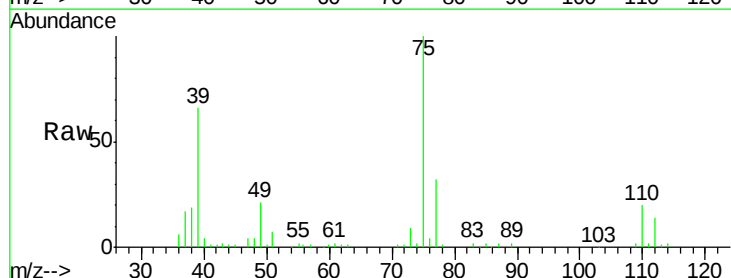
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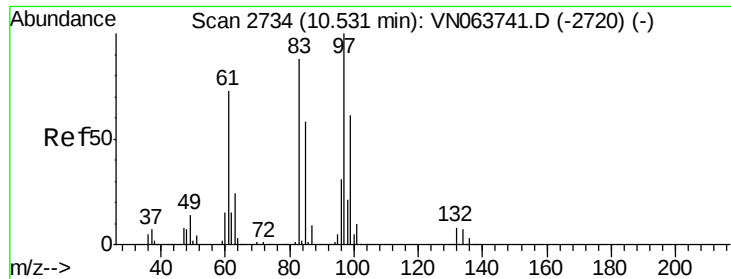
MMDadoda
10/1/2020 2:40:27 PM



#54
cis-1,3-Dichloropropene
Concen: 19.408 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 75 Resp: 102592
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 65.3 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 19.376 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

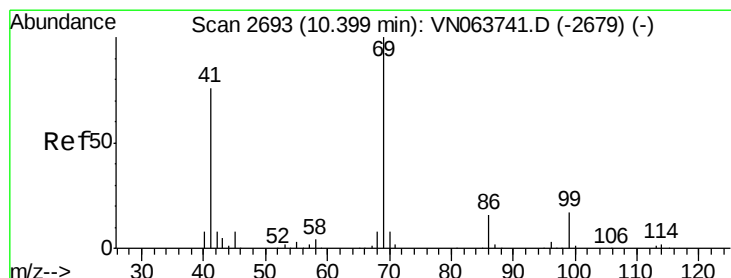
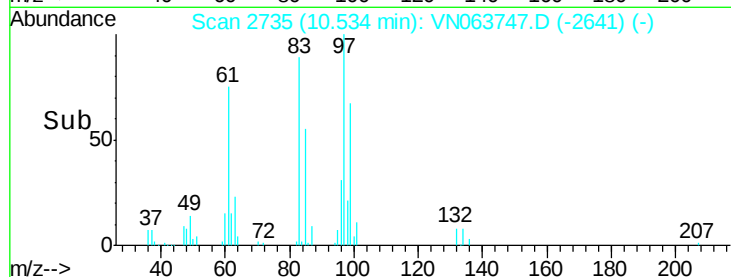
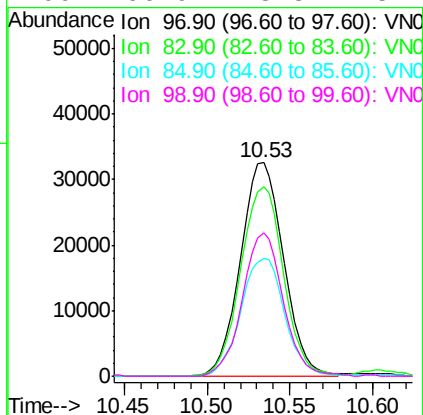
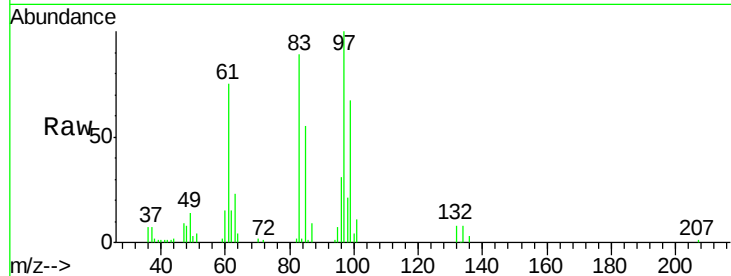
ClientSampleId :

VN0930WBS01

Tot Ion:	97	Resp:	59022
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.7	106.1
85	54.9	46.1	69.1
99	66.9	48.8	73.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.440 ug/l

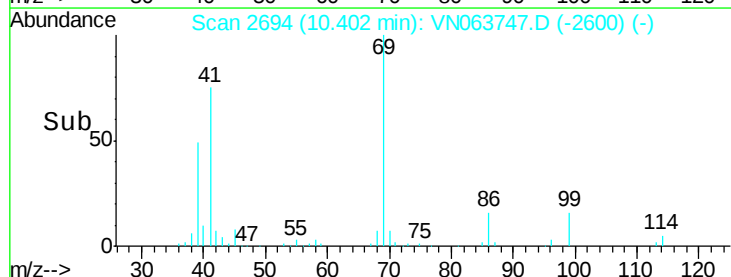
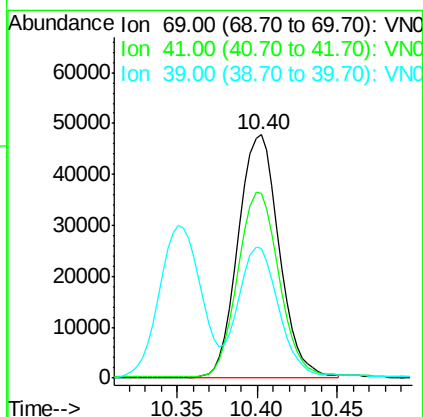
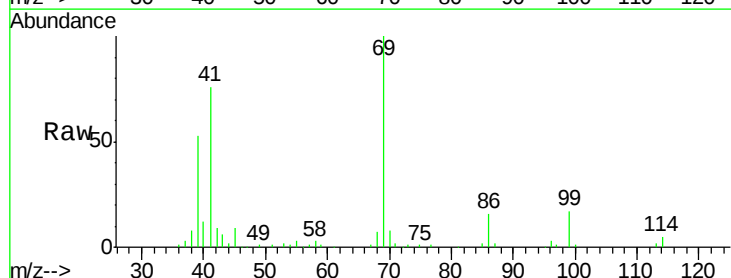
RT: 10.40 min Scan# 2694

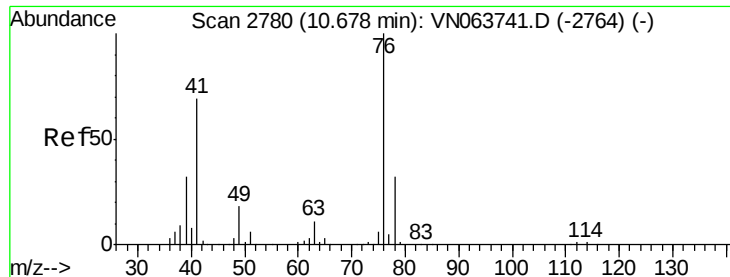
Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:	69	Resp:	83939
Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.1	91.7
39	52.2	42.2	63.4





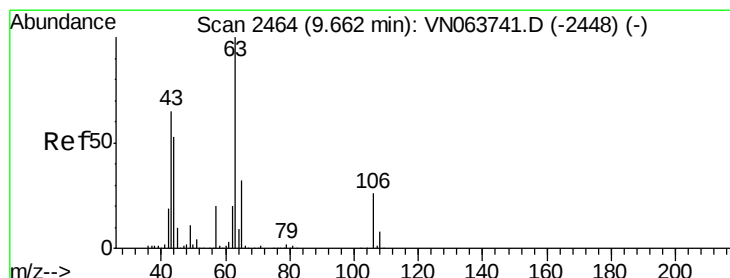
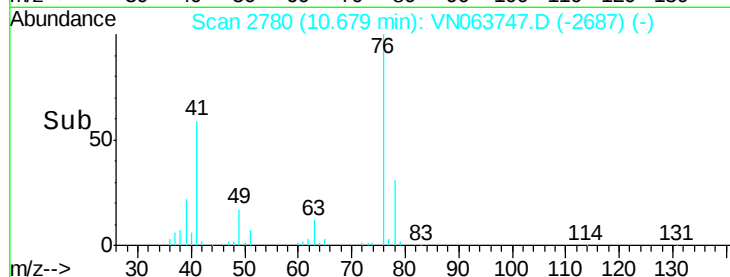
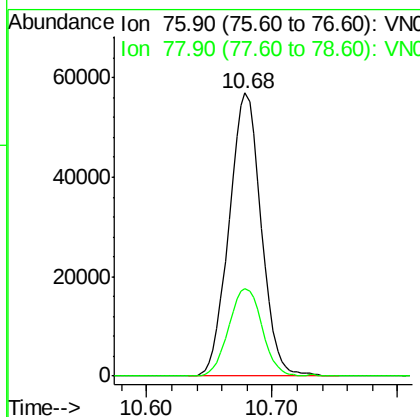
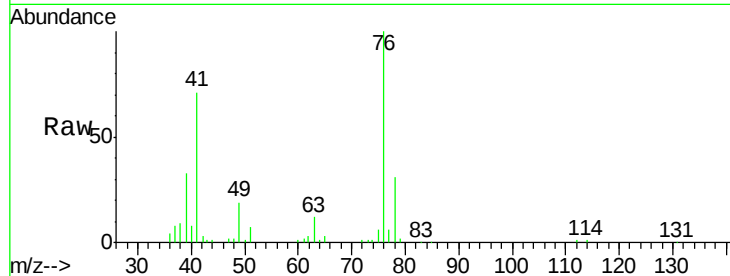
#57
 1,3-Dichloropropane
 Concen: 19.615 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion: 76 Resp: 101087
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

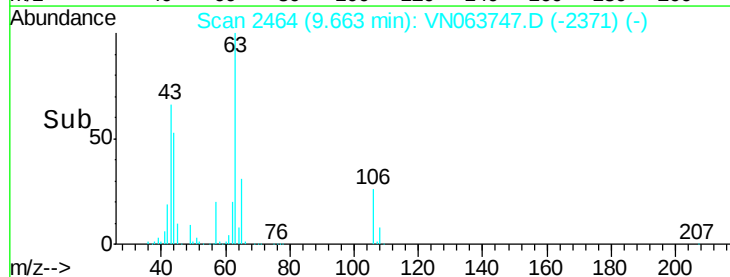
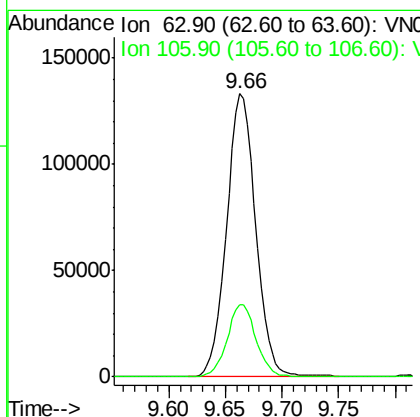
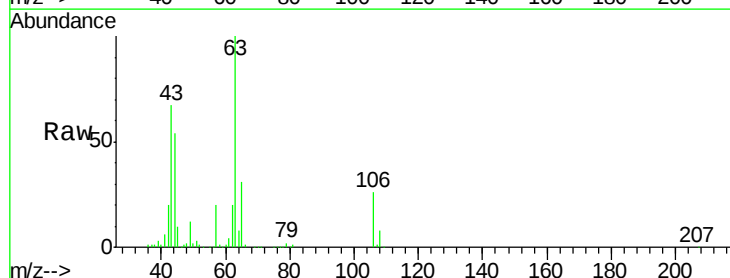
Manual Integrations
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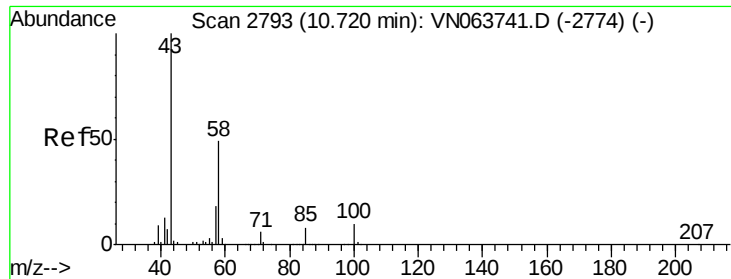
MMDadoda
 10/1/2020 2:40:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.539 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion: 63 Resp: 239137
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.7 31.1





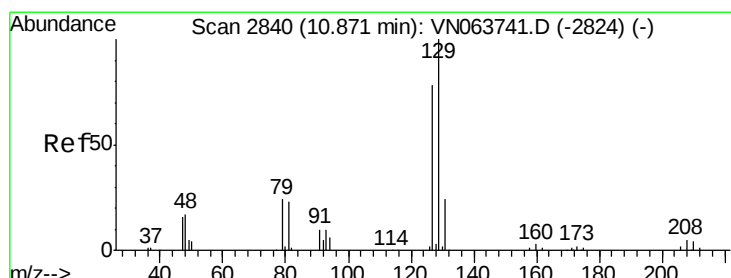
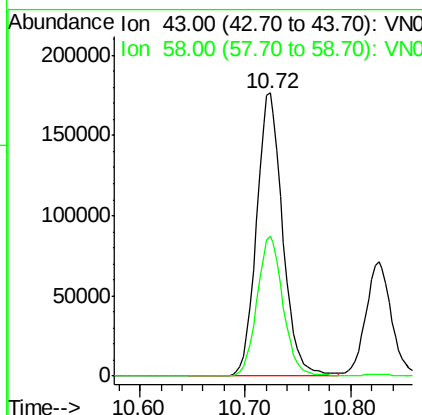
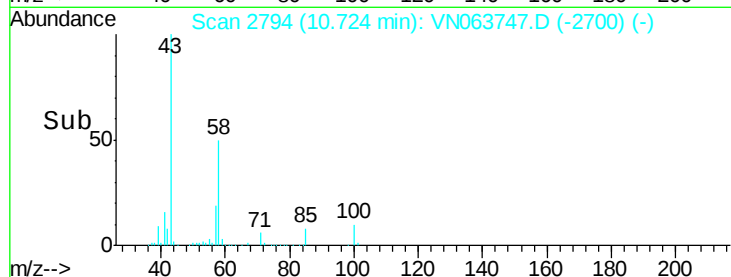
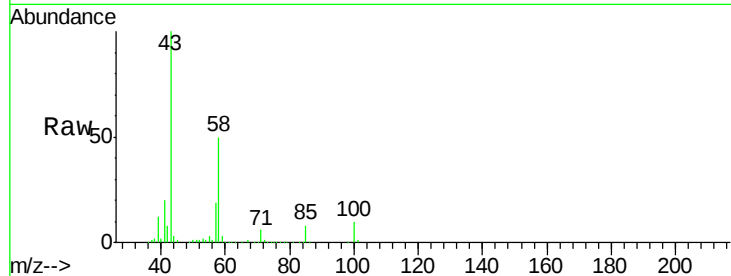
#59
2-Hexanone
Concen: 99.476 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.6	73.8

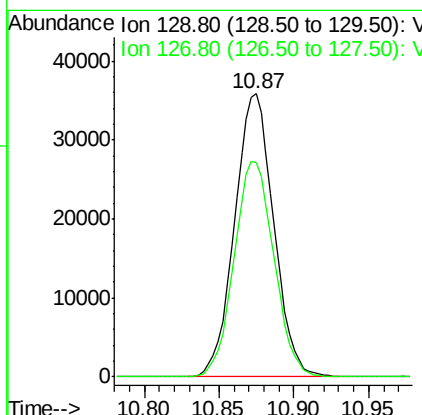
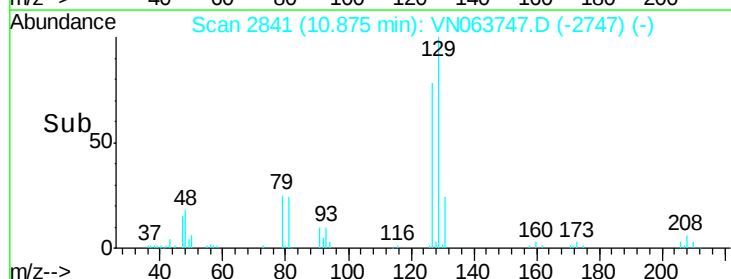
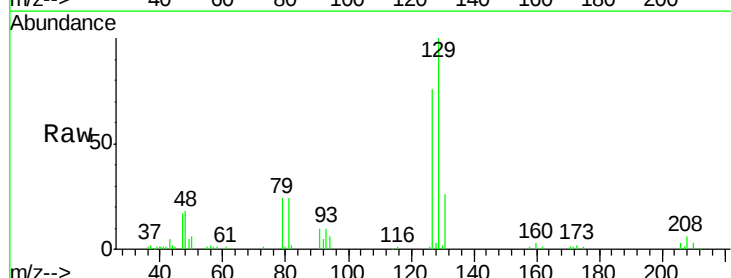
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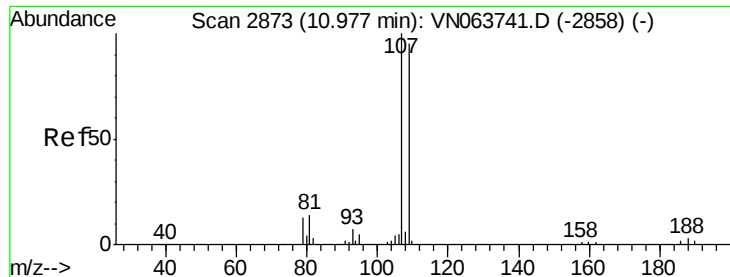
MMDadoda
10/1/2020 2:40:27 PM



#60
Dibromochloromethane
Concen: 18.337 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.119 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:107 Resp: 62689

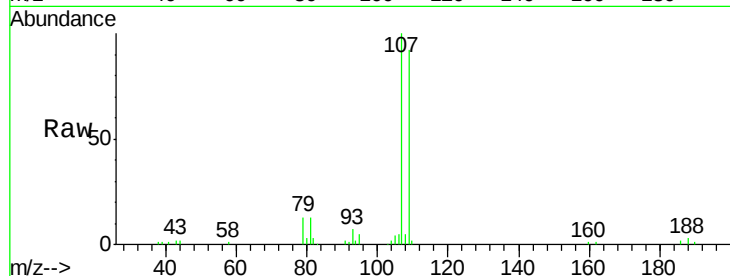
Ion Ratio Lower Upper

107 100

109 93.2 74.8 112.2

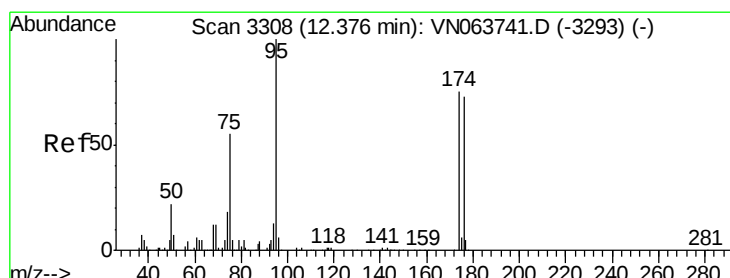
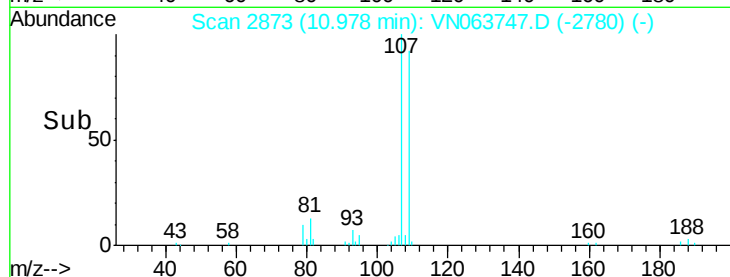
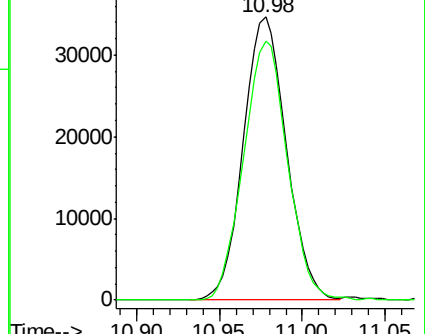
Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:27 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.815 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

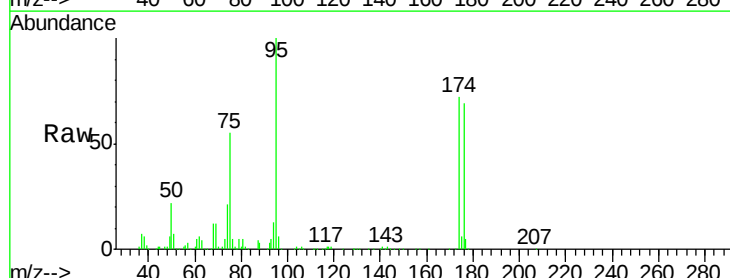
Tgt Ion: 95 Resp: 204840

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.6

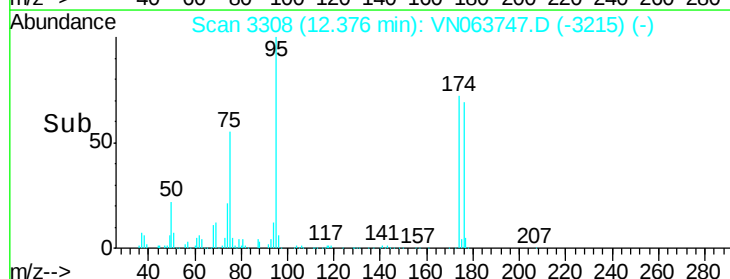
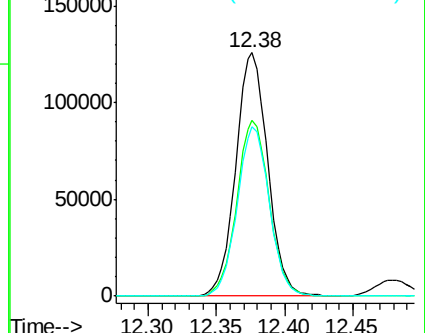
176 69.8 0.0 145.4

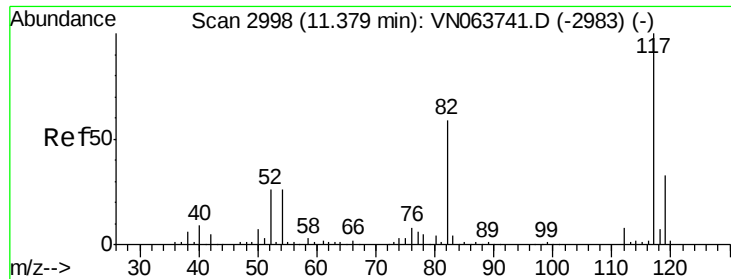


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

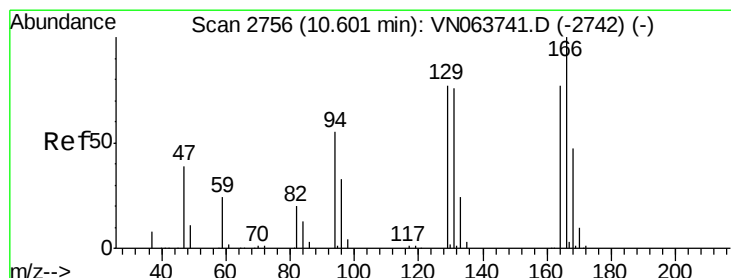
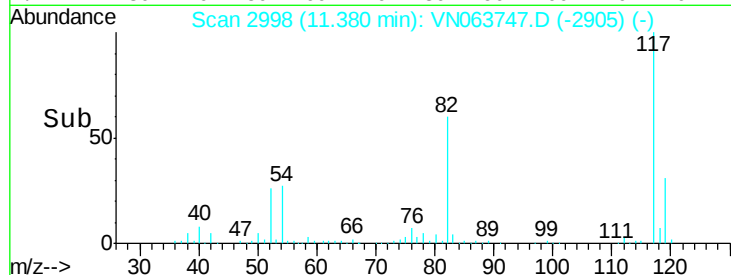
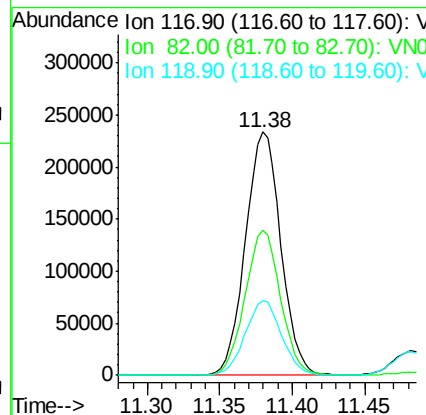
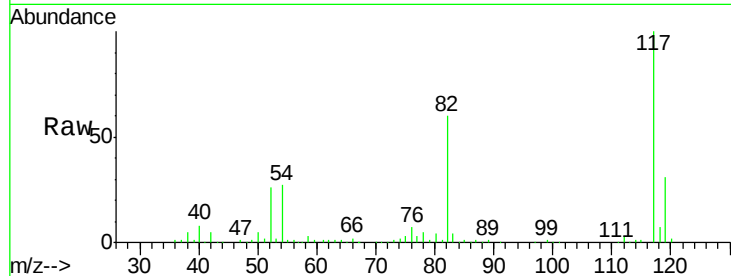
ClientSampled :

VN0930WBS01

Tot Ion:	117	Resp:	397322
Ion Ratio	Lower	Upper	
117	100		
82	59.7	47.4	71.2
119	30.9	26.4	39.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.325 ug/l

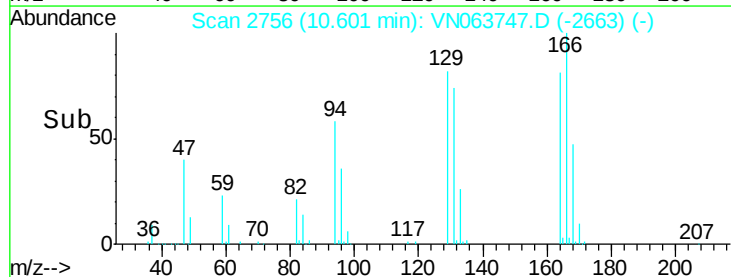
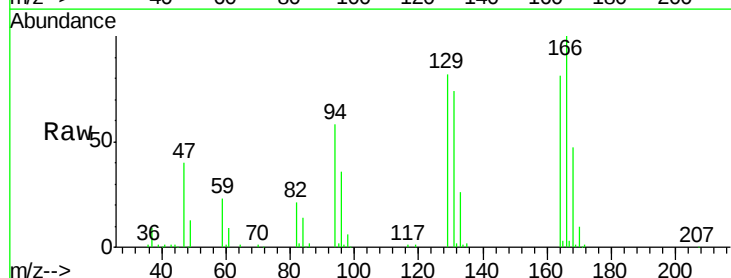
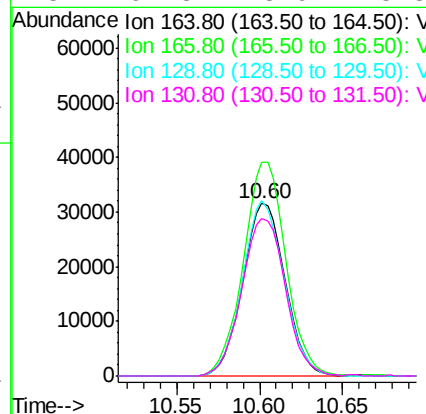
RT: 10.60 min Scan# 2756

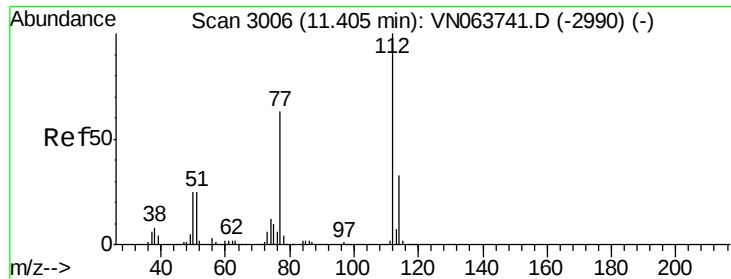
Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:	164	Resp:	56329
Ion Ratio	Lower	Upper	
164	100		
166	123.9	103.9	155.9
129	101.6	80.3	120.5
131	91.3	78.9	118.3





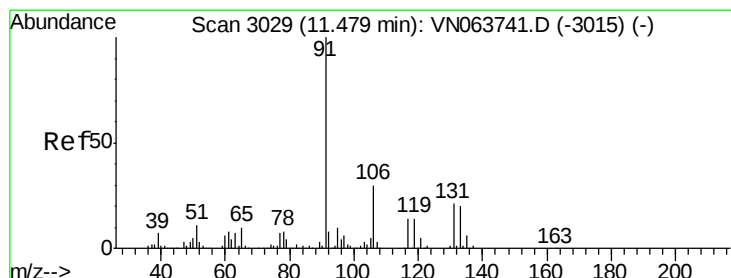
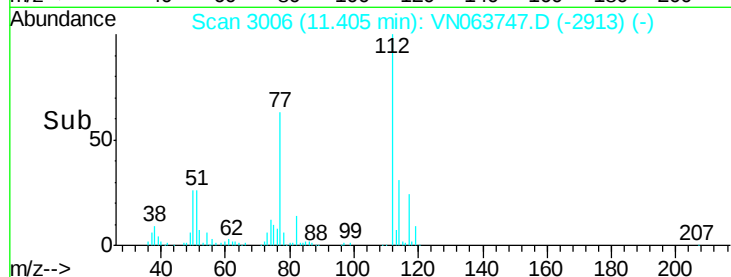
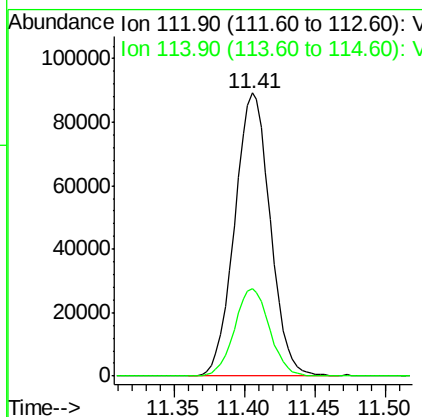
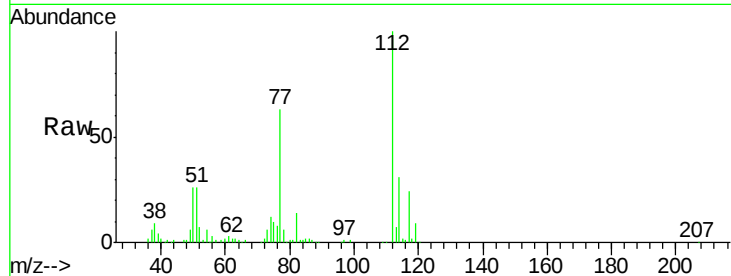
#65
Chlorobenzene
Concen: 19.344 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion:112 Resp: 157658
Ion Ratio Lower Upper
112 100
114 30.8 26.1 39.1

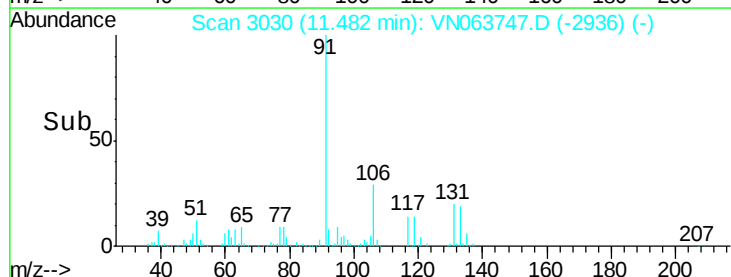
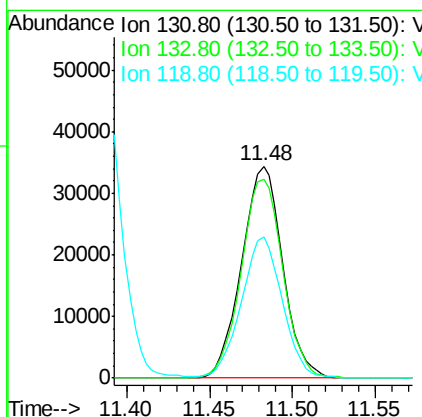
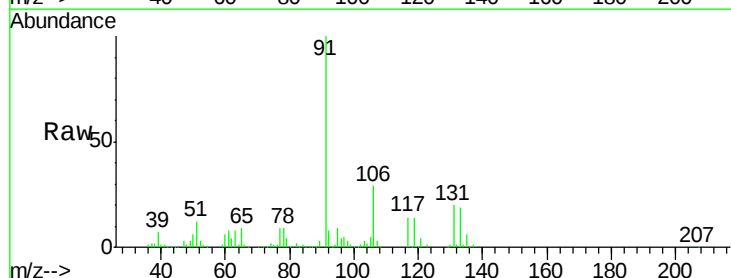
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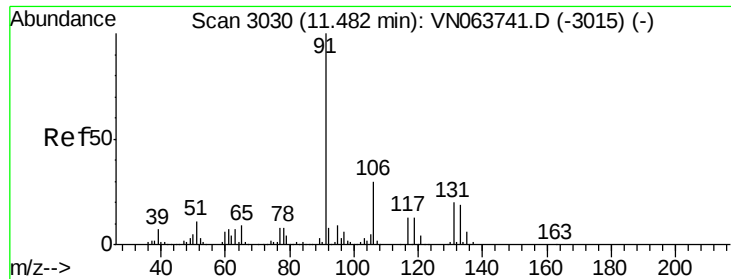
MMDadoda
10/1/2020 2:40:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.961 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:131 Resp: 59245
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.8
119 66.6 32.6 97.7





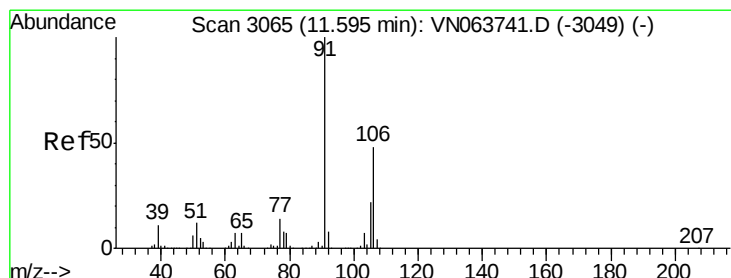
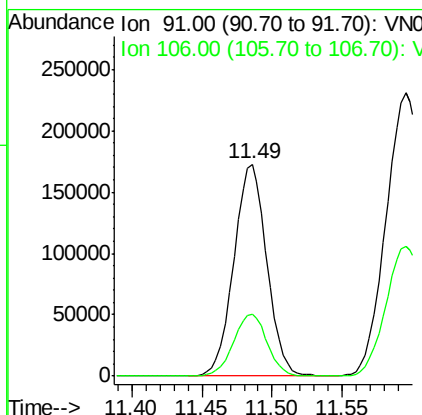
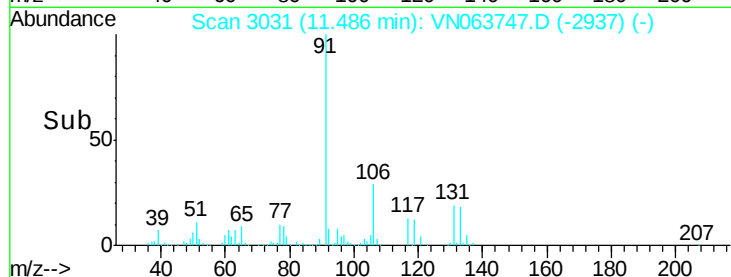
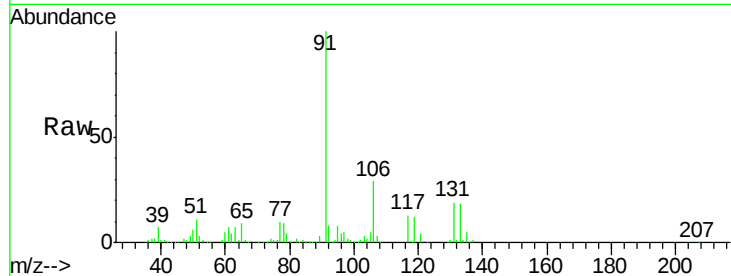
#67
Ethyl Benzene
Concen: 19.099 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 91 Resp: 283254
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2

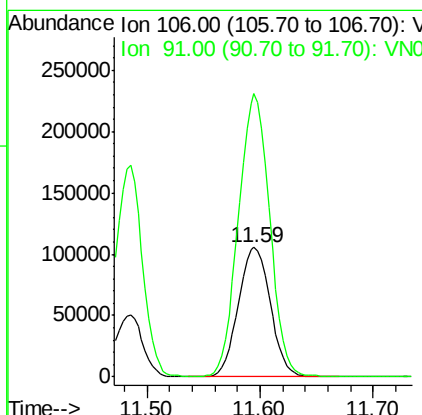
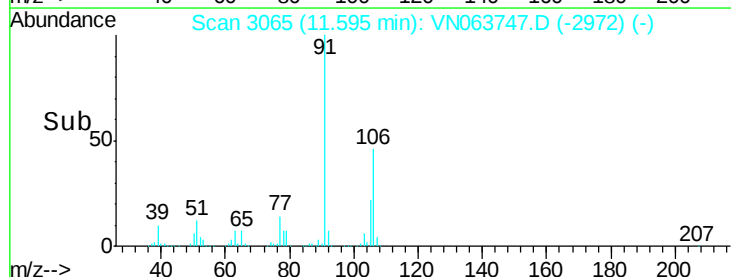
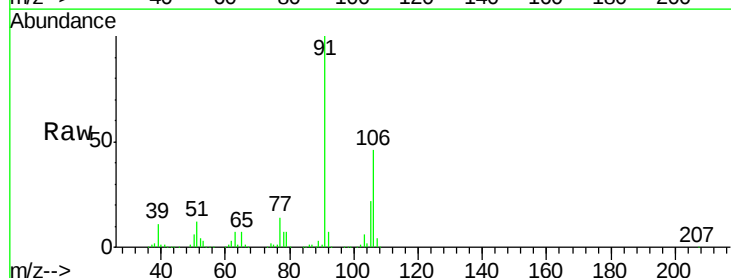
Manual Integrations
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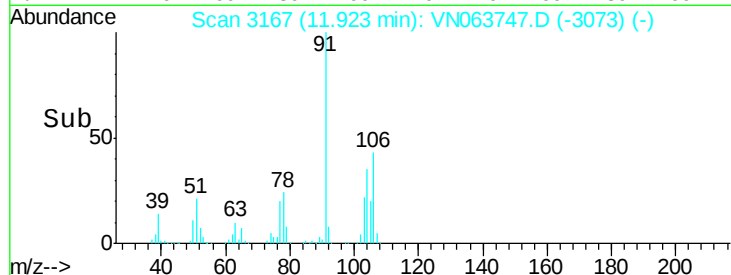
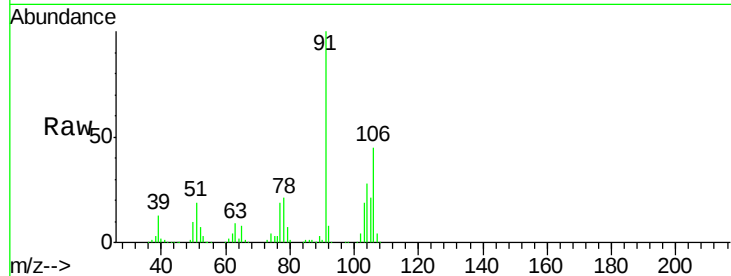
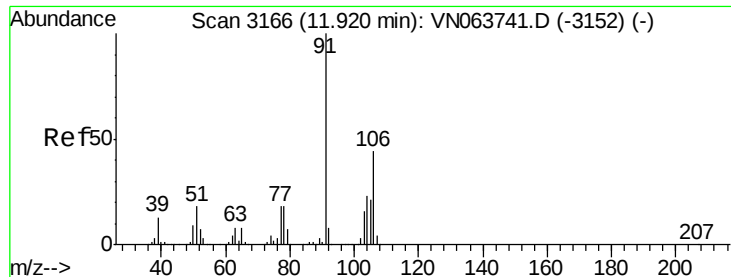
MMDadoda
10/1/2020 2:40:27 PM



#68
m/p-Xylenes
Concen: 37.804 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 106 Resp: 208956
Ion Ratio Lower Upper
106 100
91 213.0 168.0 252.0





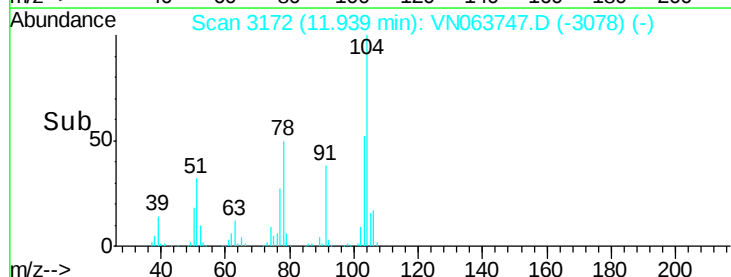
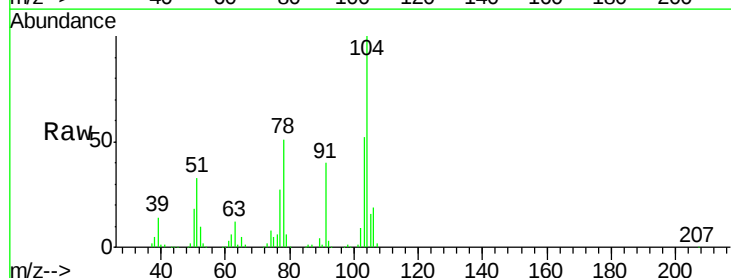
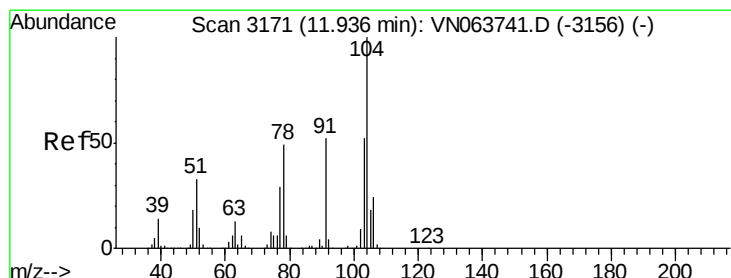
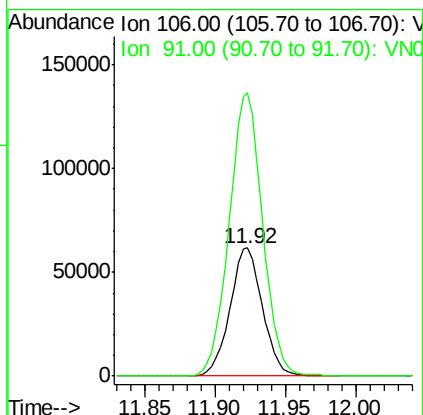
#69
o-Xylene
Concen: 19.251 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tot Ion:106 Resp: 99455
Ion Ratio Lower Upper
106 100
91 227.3 112.7 338.0

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

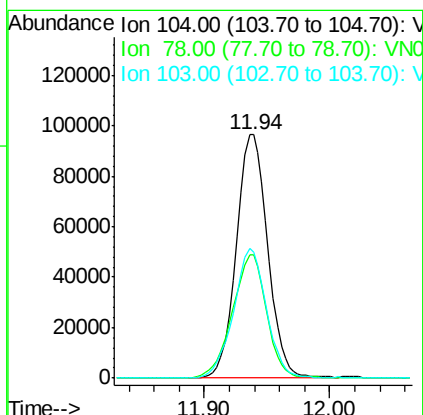
Manual Integrations
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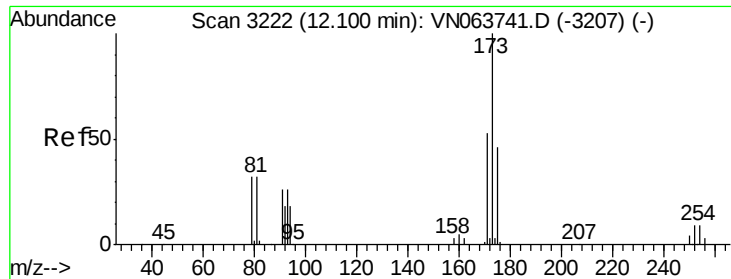
MMDadoda
10/1/2020 2:40:27 PM



#70
Styrene
Concen: 19.155 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:104 Resp: 167979
Ion Ratio Lower Upper
104 100
78 55.4 44.1 66.1
103 55.7 44.3 66.5





#71

Bromoform

Concen: 18.197 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:173 Resp: 43487

Ion Ratio Lower Upper

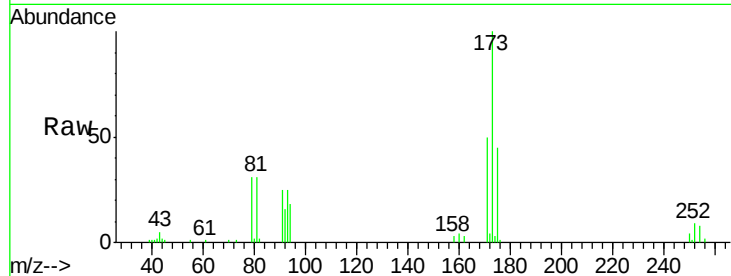
173 100

175 46.4 23.5 70.5

254 0.0 0.0 0.0

Manual Integrations
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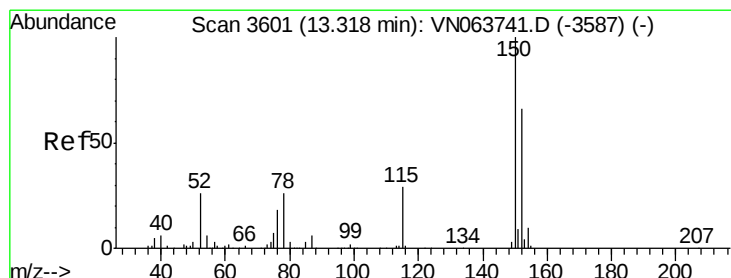
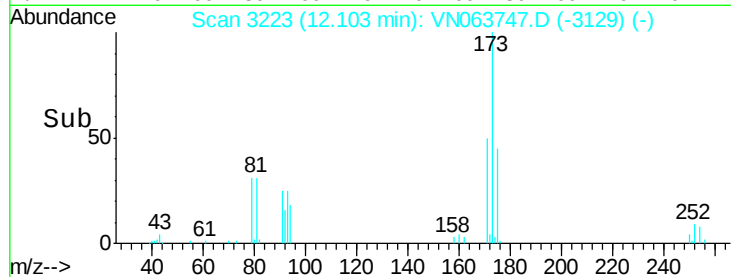
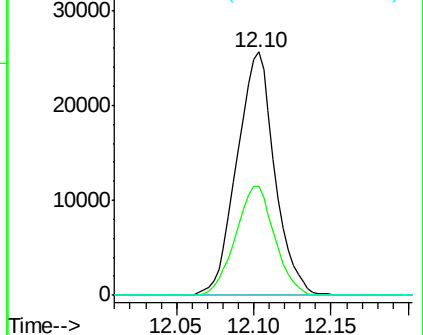
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063747.D

Acq: 30 Sep 2020 14:15

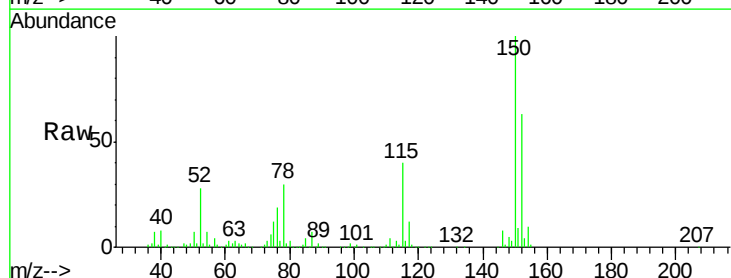
Tgt Ion:152 Resp: 188664

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

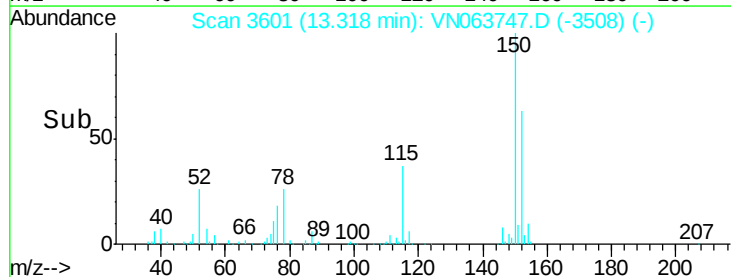
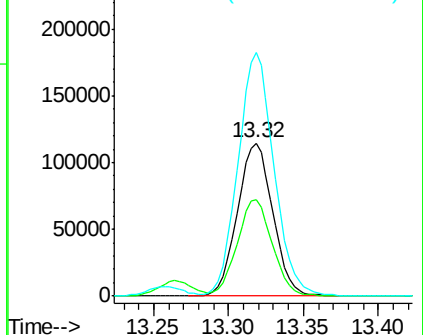
150 161.2 0.0 341.8

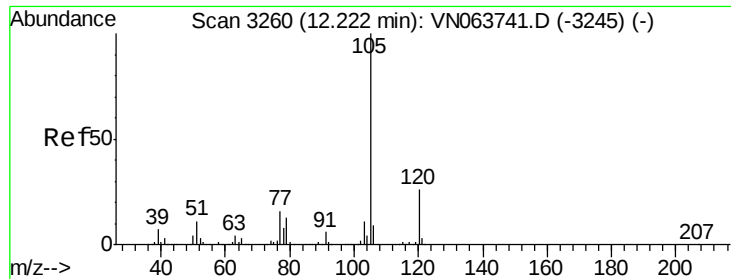


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





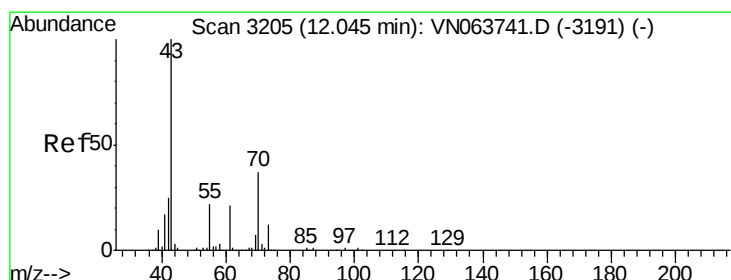
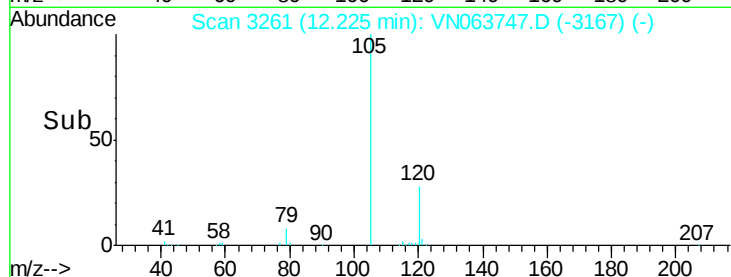
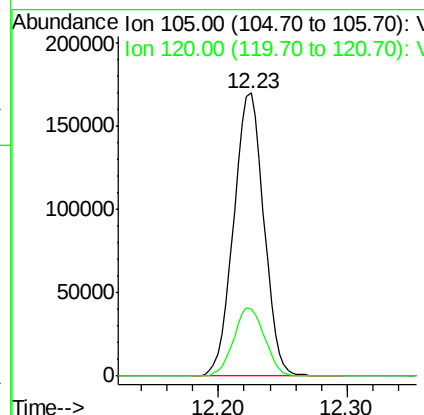
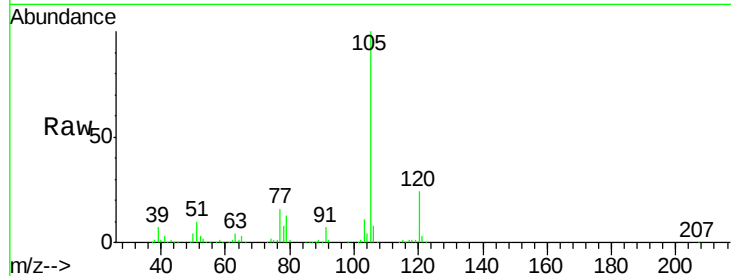
#73
Isopropylbenzene
Concen: 20.047 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	275864		
120	24.8	12.6	37.8	

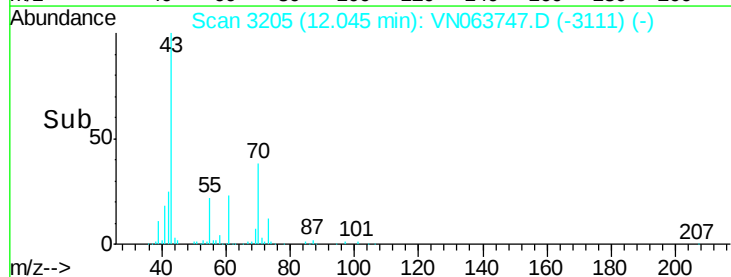
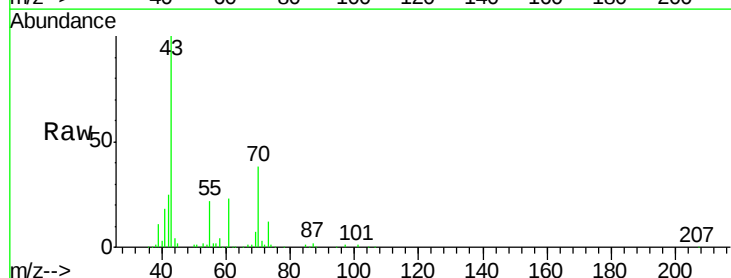
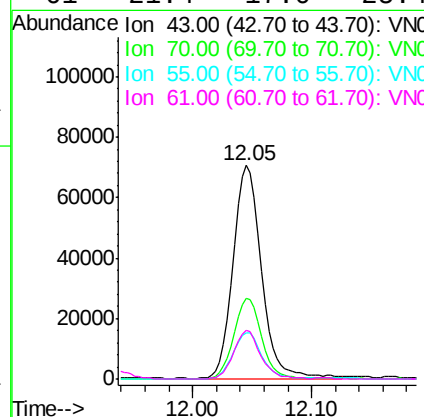
Manual Integrations
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#74
N-ethyl acetate
Concen: 19.873 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	118169		
70	36.5	29.8	44.8	
55	21.8	17.9	26.9	
61	21.4	17.0	25.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

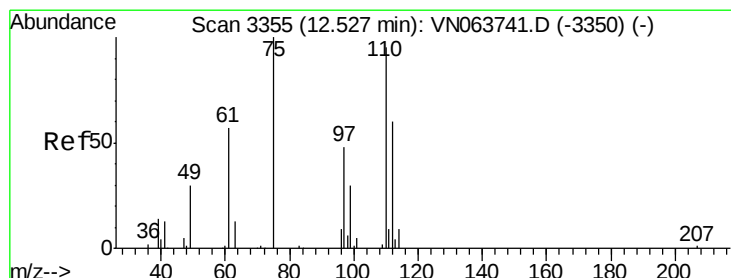
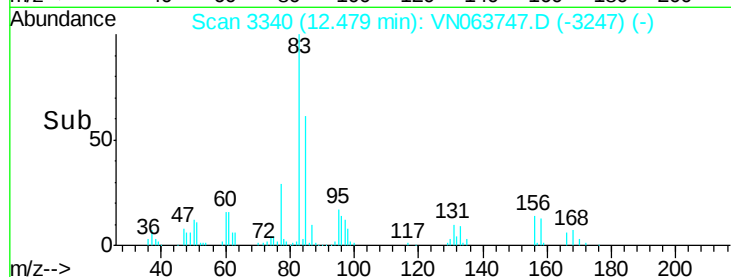
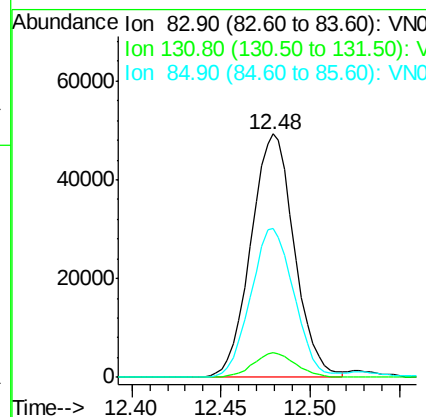
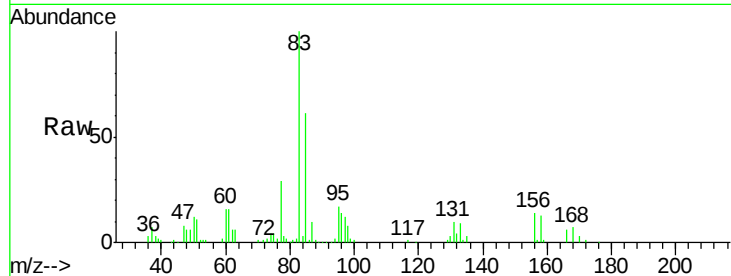
ClientSampleId :

VN0930WBS01

Tot Ion:	83	Resp:	84110
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	61.1	31.3	93.8

Manual Integrations
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10/1/2020 2:40:27 PM



#76

1,2,3-Trichloropropane

Concen: 19.337 ug/l m

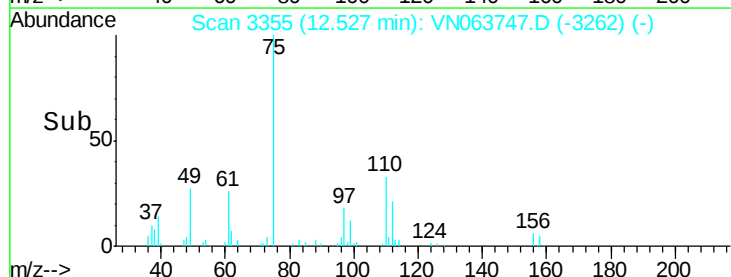
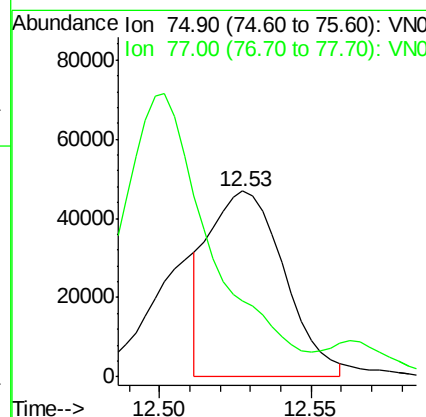
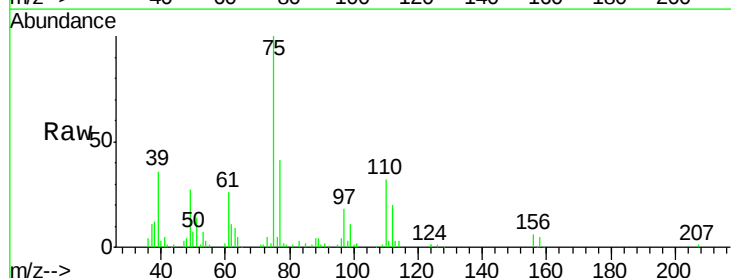
RT: 12.53 min Scan# 3355

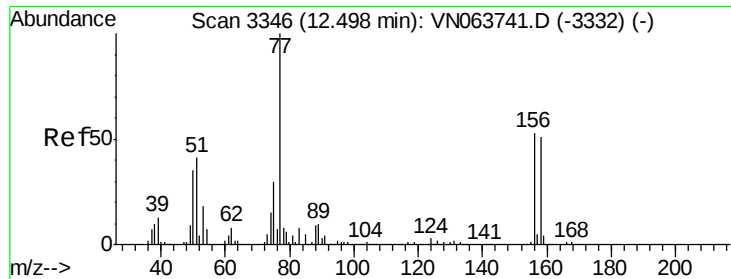
Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:	75	Resp:	80421
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.560 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:156 Resp: 66048

Ion Ratio Lower Upper

156 100

77 223.8 110.9 332.7

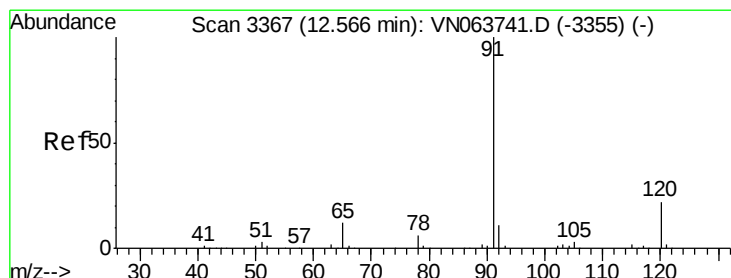
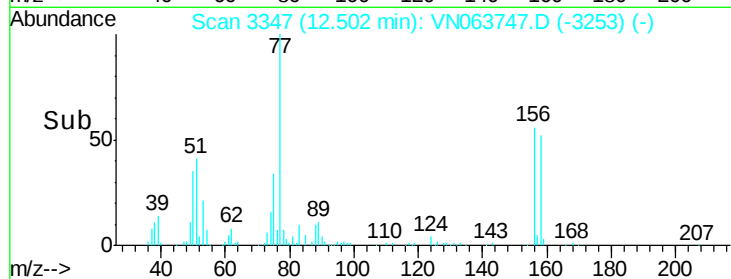
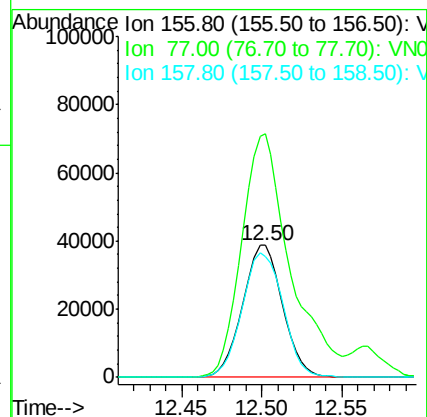
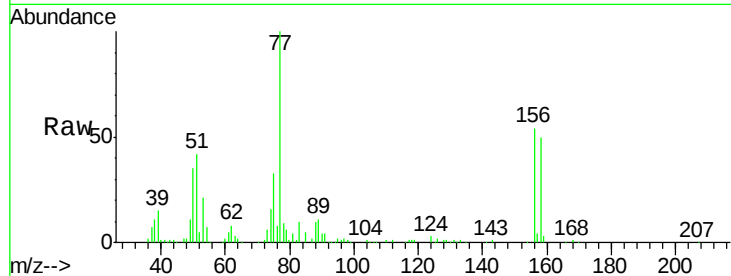
158 96.8 47.7 143.1

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#78

n-propylbenzene

Concen: 19.312 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063747.D

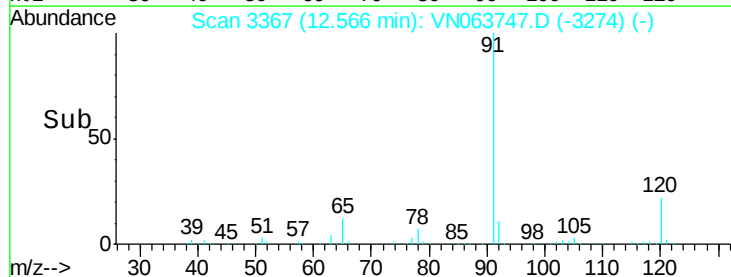
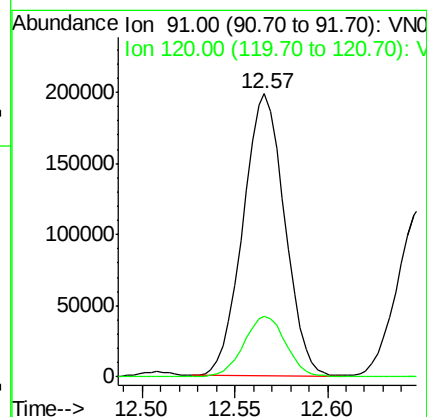
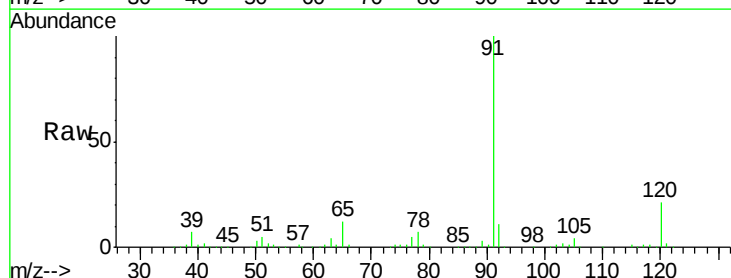
Acq: 30 Sep 2020 14:15

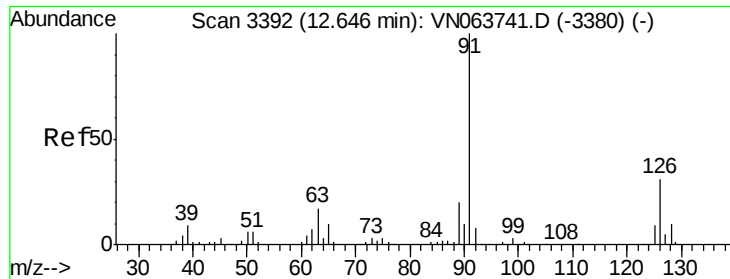
Tgt Ion: 91 Resp: 309283

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 19.467 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0930WBS01

Tot Ion: 91 Resp: 191736

Ion Ratio Lower Upper

91 100

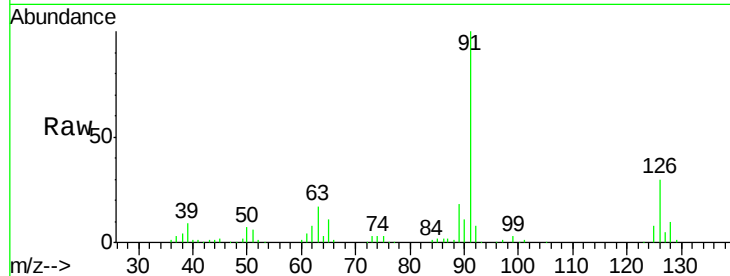
126 31.4 15.9 47.7

Manual Integrations

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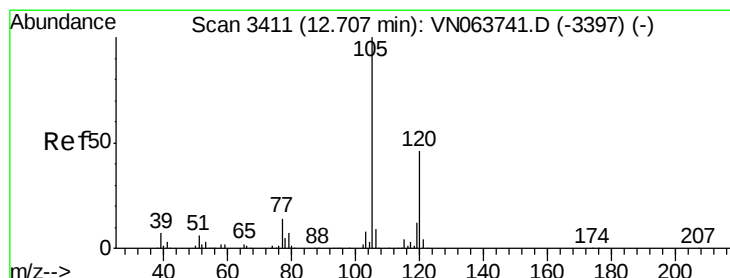
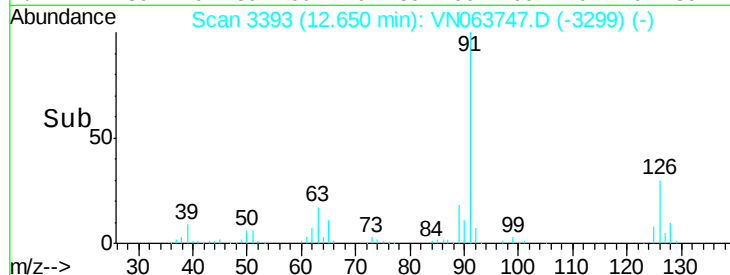
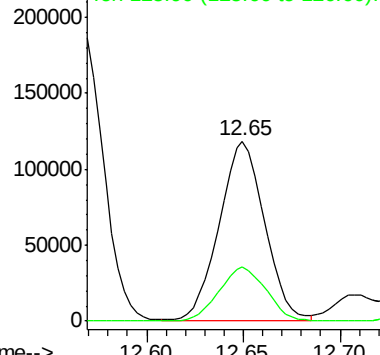
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.902 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063747.D

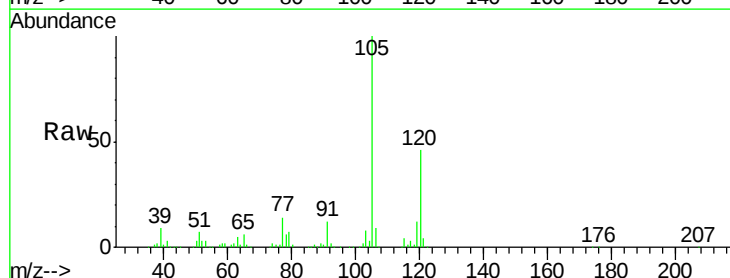
Acq: 30 Sep 2020 14:15

Tgt Ion:105 Resp: 229768

Ion Ratio Lower Upper

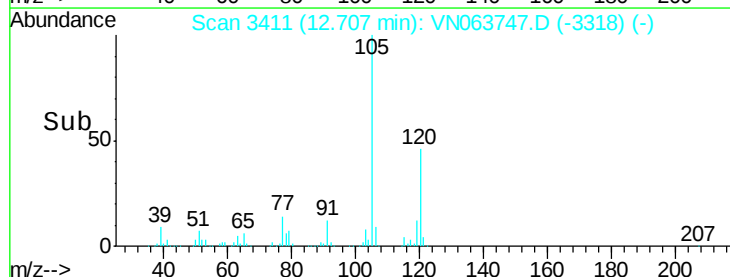
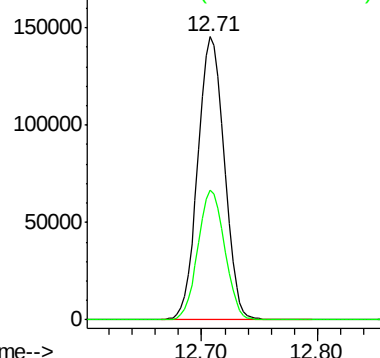
105 100

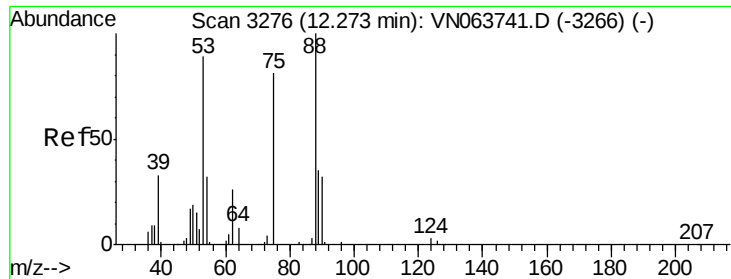
120 46.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





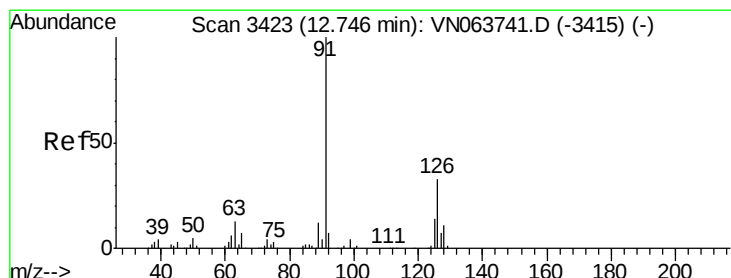
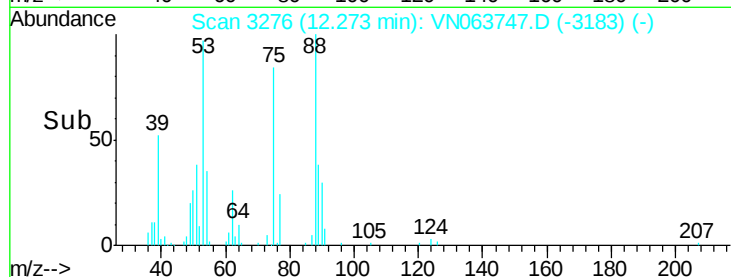
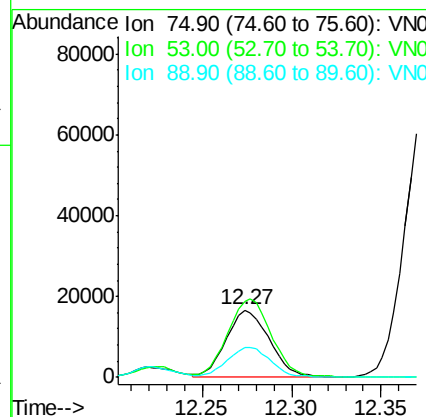
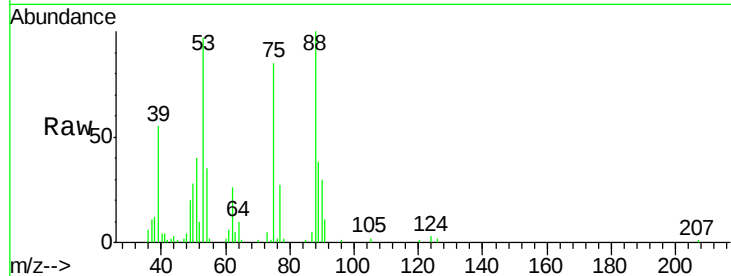
#81
trans-1,4-Dichloro-2-butene
Concen: 19.068 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.1	88.2	132.2
89	46.1	36.0	54.0

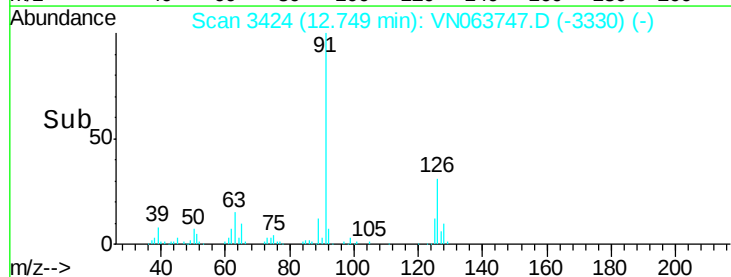
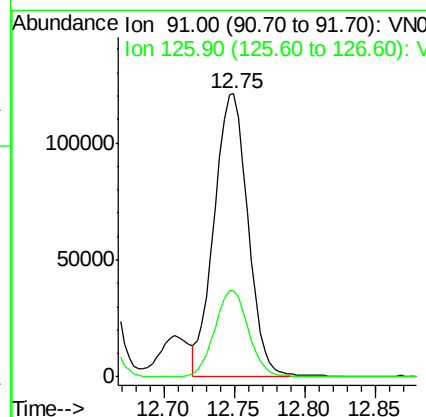
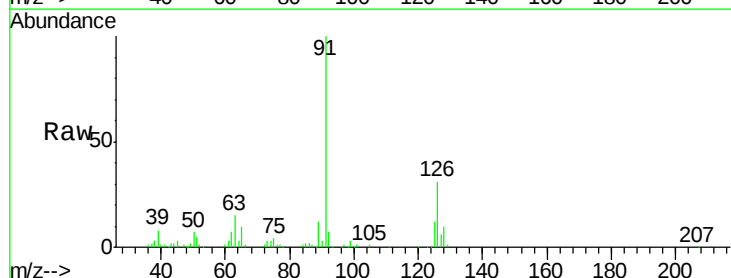
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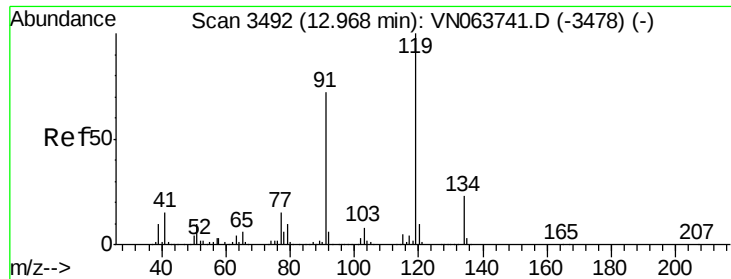
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#82
4-Chlorotoluene
Concen: 19.607 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.2





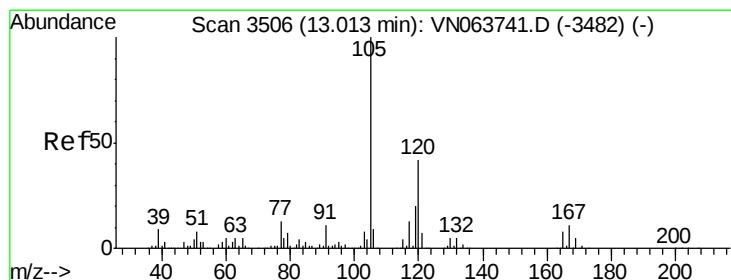
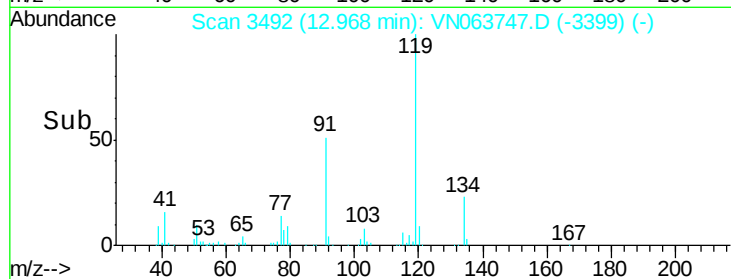
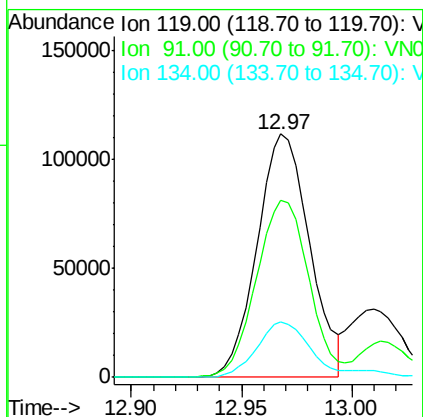
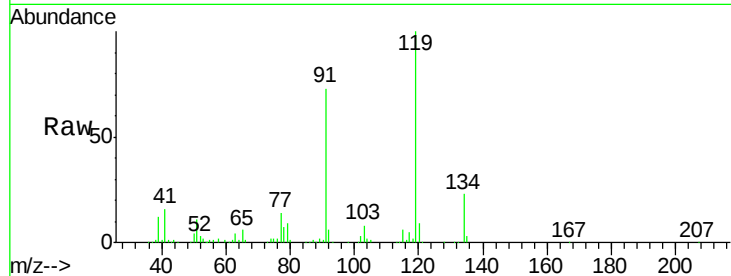
#83
tert-Butylbenzene
Concen: 19.501 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184157		
91	73.0	35.5	106.5	
134	22.8	11.7	35.1	

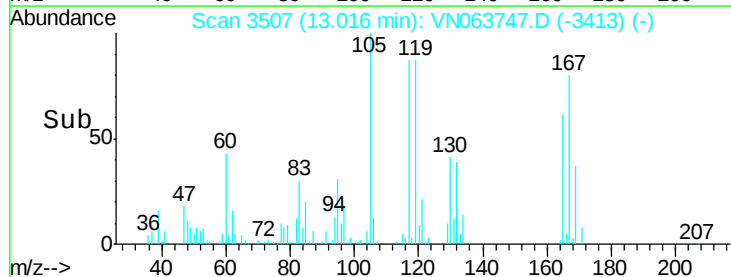
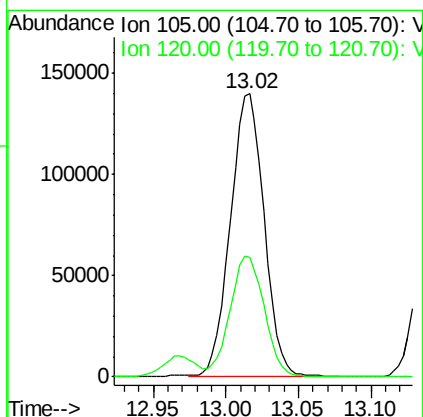
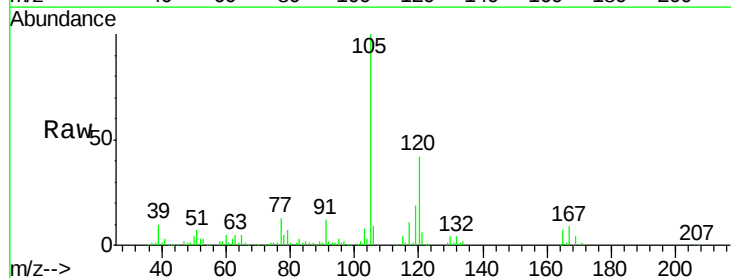
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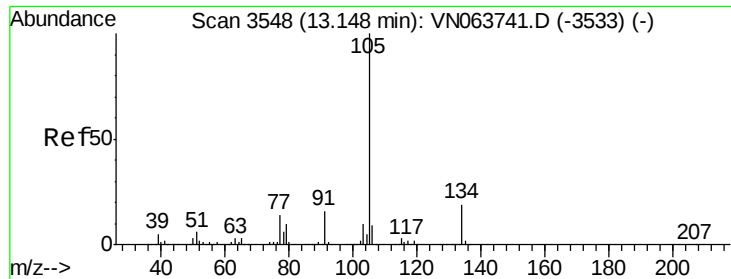
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#84
1,2,4-Trimethylbenzene
Concen: 19.447 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224151		
120	43.2	20.9	62.7	





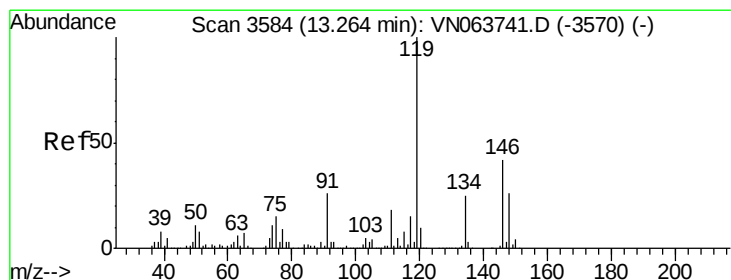
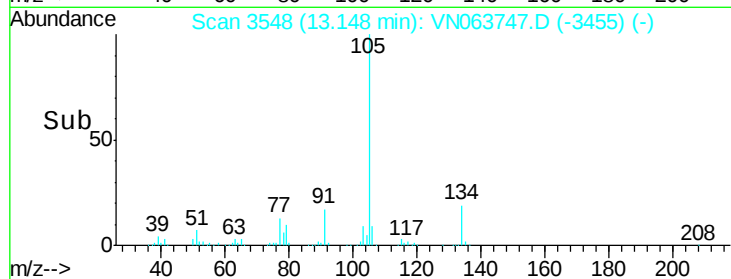
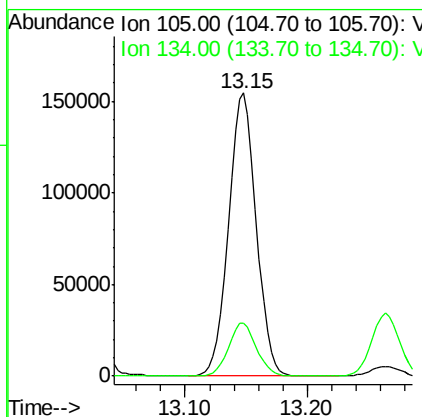
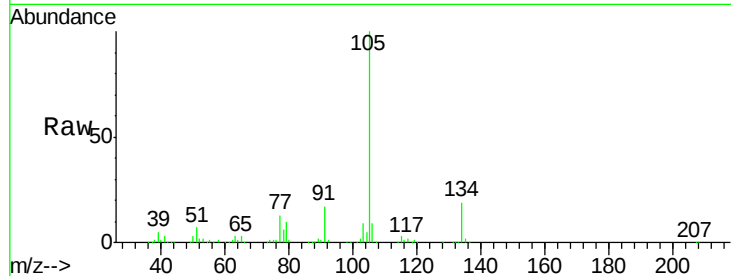
#85
 sec-Butylbenzene
 Concen: 19.594 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.5	28.5

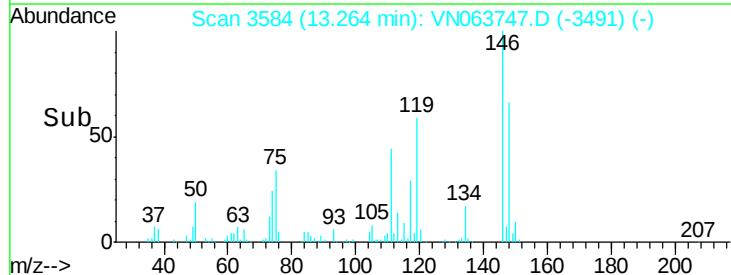
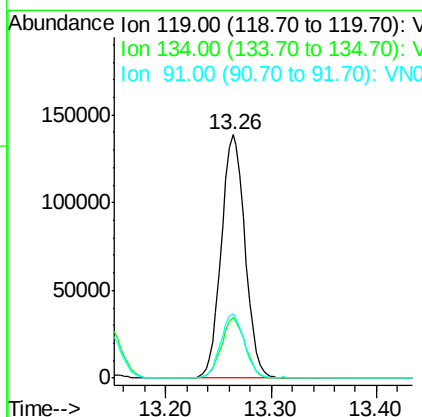
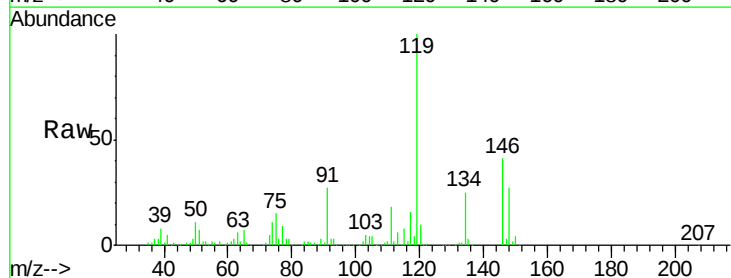
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#86
 p-Isopropyltoluene
 Concen: 19.738 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	26.4	13.4	40.2





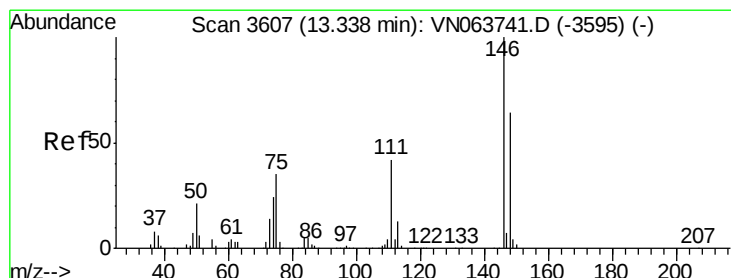
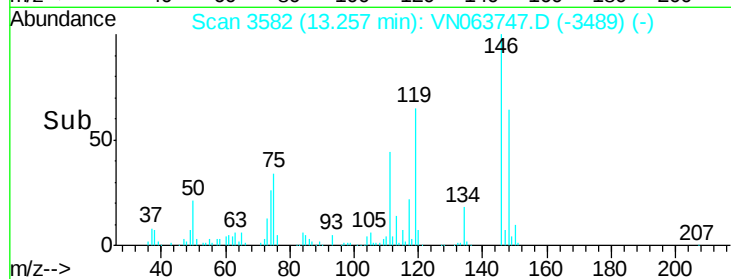
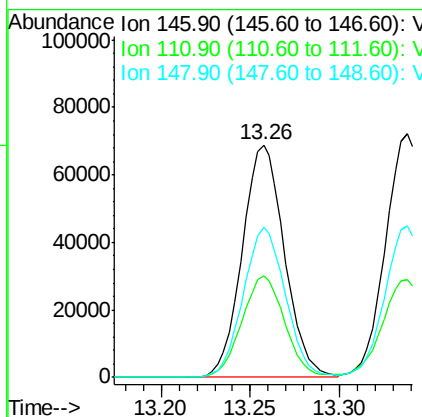
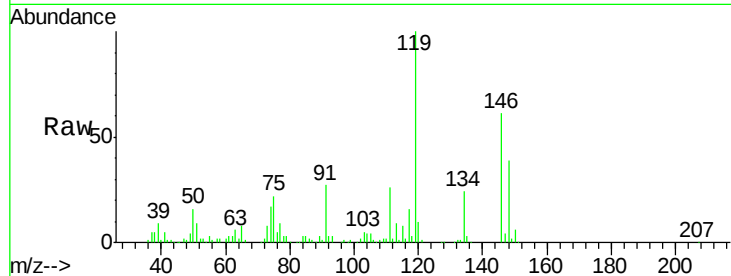
#87
 1,3-Dichlorobenzene
 Concen: 18.660 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.5	64.5
148	64.8	31.1	93.3

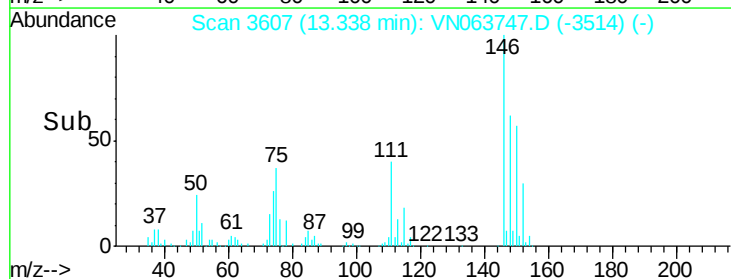
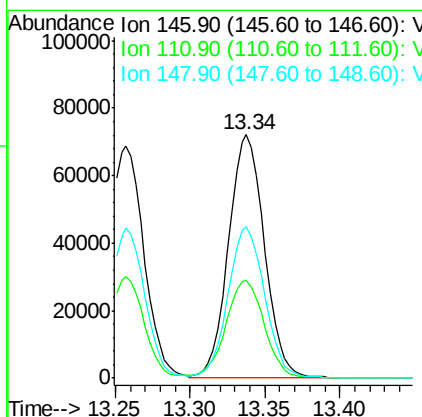
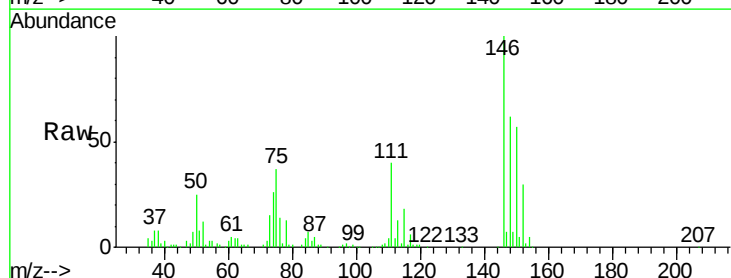
Manual Integrations
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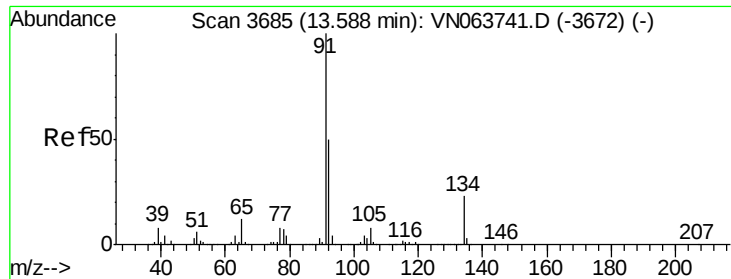
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#88
 1,4-Dichlorobenzene
 Concen: 18.839 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.7
148	64.0	32.0	96.0





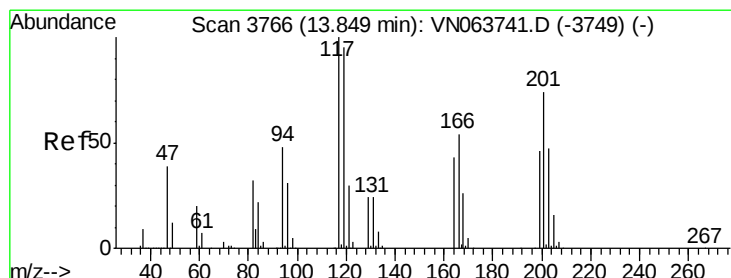
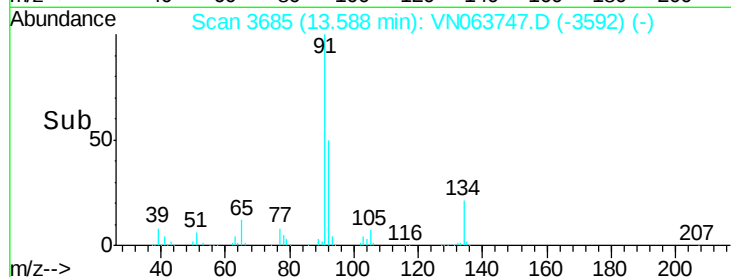
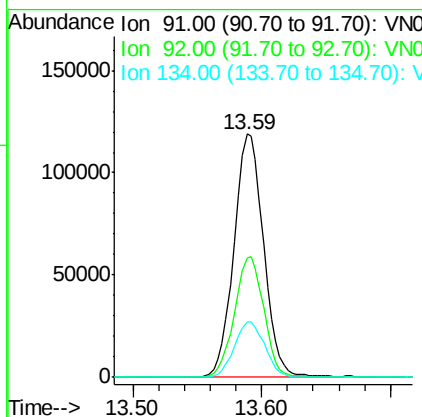
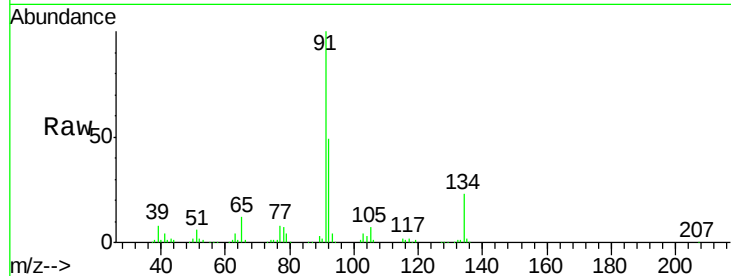
#89
n-Butylbenzene
Concen: 18.833 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	190726		
92	48.8		25.4	76.4
134	23.1		11.7	35.1

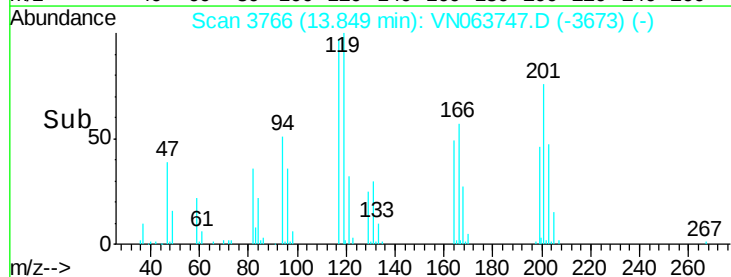
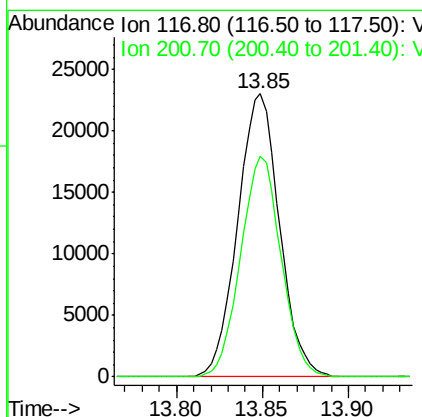
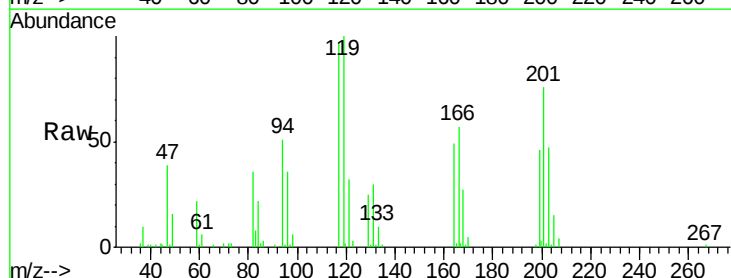
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#90
Hexachloroethane
Concen: 18.243 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38790		
201	75.3		36.0	108.0





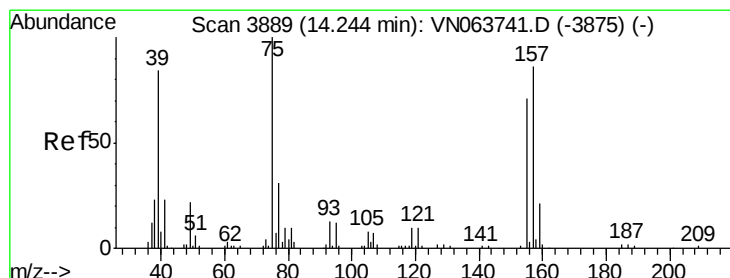
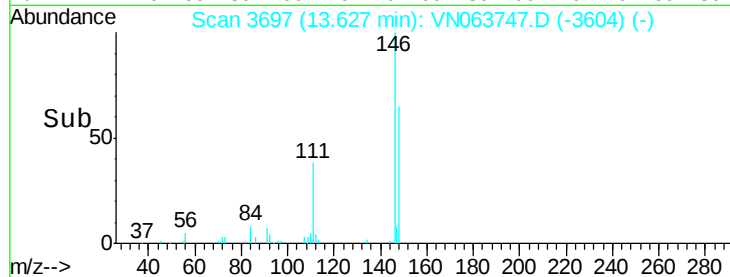
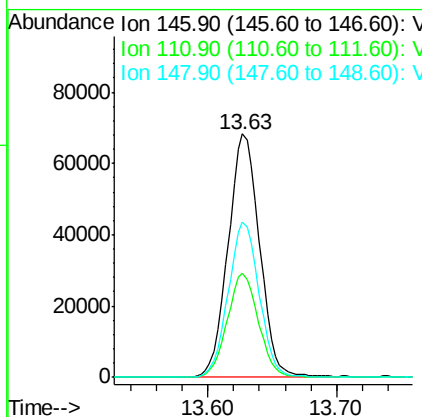
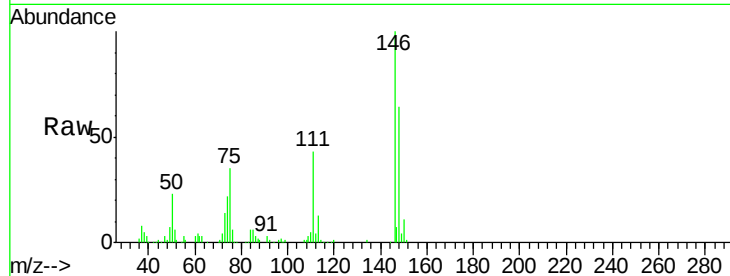
#91
 1,2-Dichlorobenzene
 Concen: 19.146 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.2	66.6
148	62.5	32.5	97.4

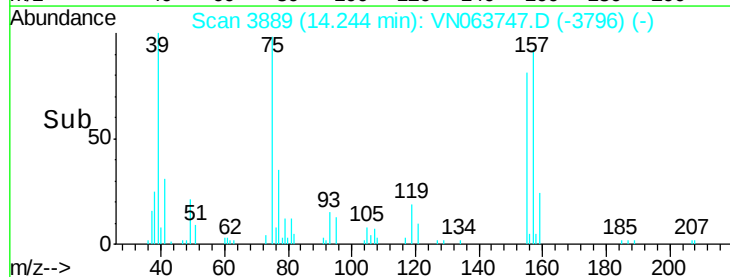
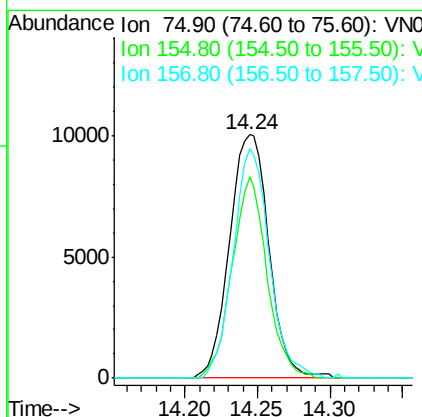
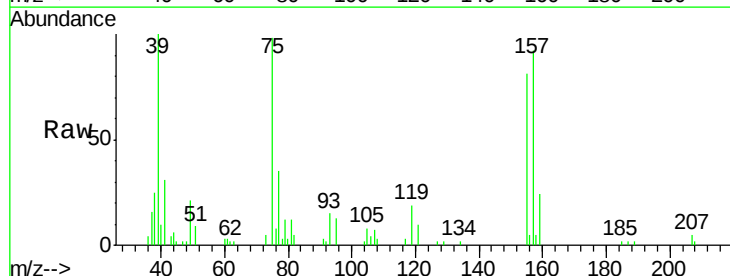
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.195 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	34.8	104.5
157	86.5	43.7	131.1





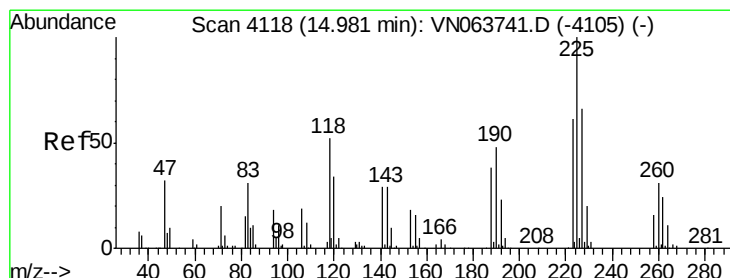
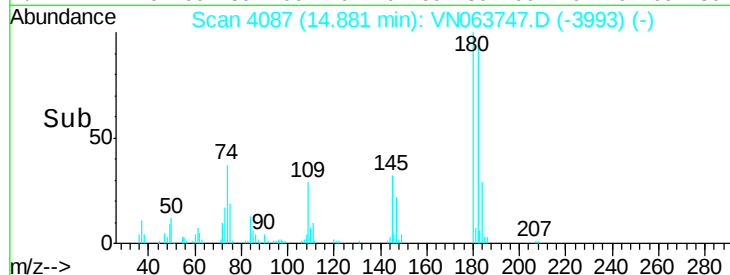
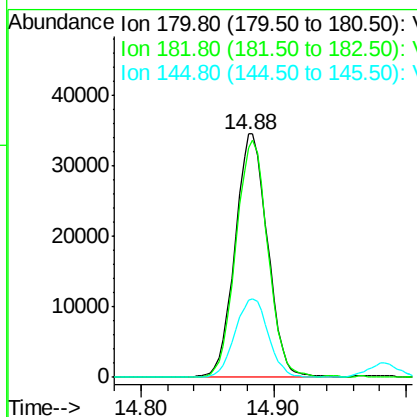
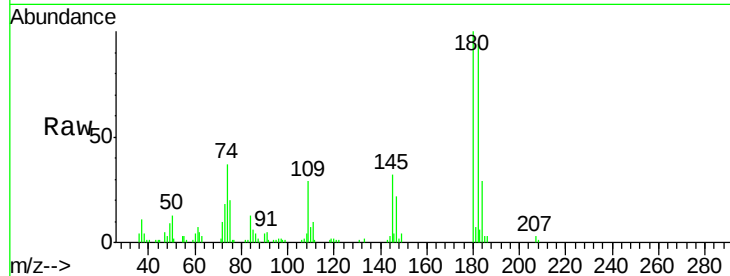
#93
 1,2,4-Trichlorobenzene
 Concen: 18.960 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58705		
182	95.6	48.2	144.6	
145	33.0	17.1	51.2	

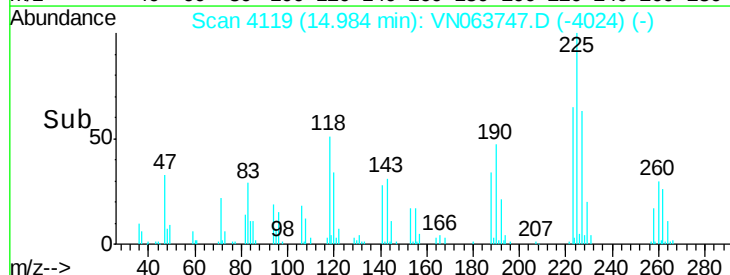
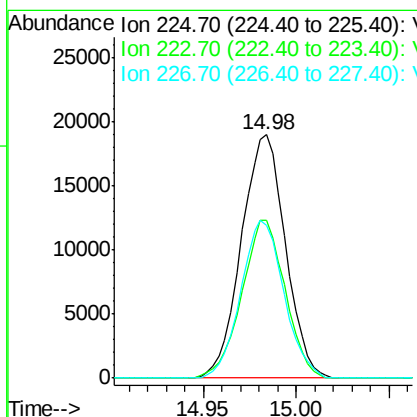
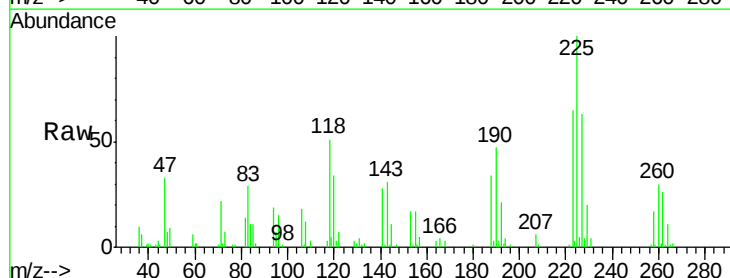
Manual Integrations
 APPROVED

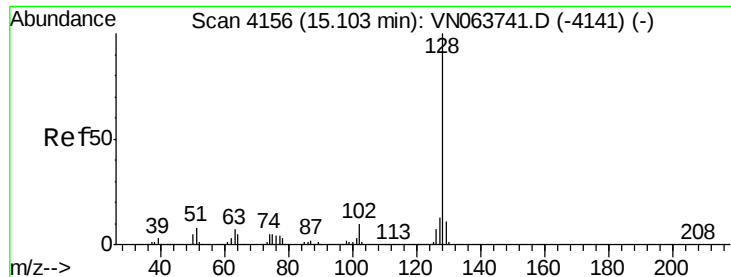
MMDadoda
 10/1/2020 2:40:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.167 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31377		
223	63.9	30.3	91.0	
227	63.4	31.9	95.5	





#95

Naphthalene

Concen: 19.297 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

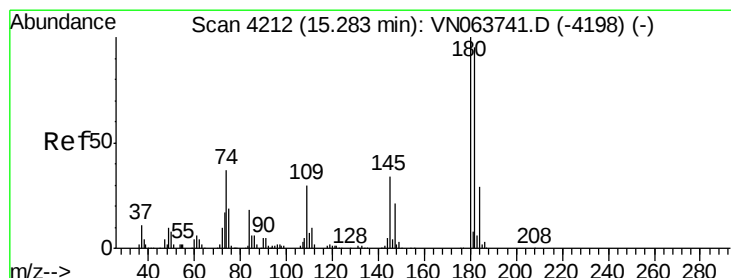
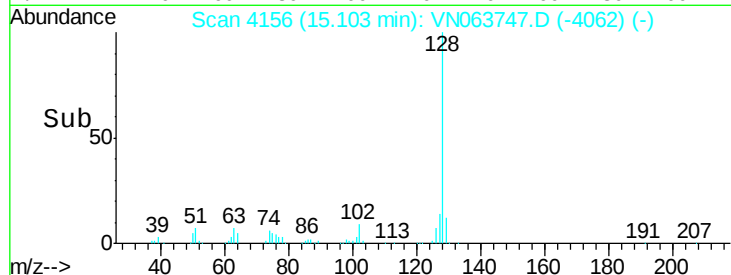
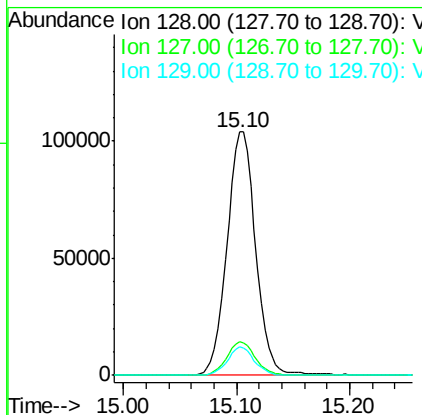
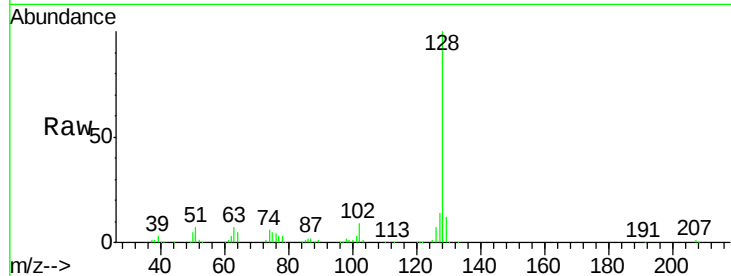
ClientSampleId :

VN0930WBS01

Tot Ion:128	Resp:	183927
Ion Ratio	Lower	Upper
128 100		
127 13.6	10.5	15.7
129 10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.732 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion:180	Resp:	56545
Ion Ratio	Lower	Upper
180 100		
182 94.5	47.9	143.6
145 34.9	17.2	51.5

