

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080221\
 Data File : VV021720.D
 Acq On : 02 Aug 2021 15:35
 Operator : SY/MD
 Sample : M3263-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

Manual Integrations
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8/5/2021 4:10:36 PM

Quant Time: Aug 03 02:13:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 02:08:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	414135	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	388315	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	191879	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	119616	45.992	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.980%		
7) Chloroethane-d5	1.558	69	101235	47.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.400%		
11) 1,1-Dichloroethene-d2	2.104	63	171233	36.811	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.620%		
21) 2-Butanone-d5	3.870	46	219666	98.325	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.330%		
24) Chloroform-d	4.346	84	254871	46.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.460%		
26) 1,2-Dichloroethane-d4	5.027	65	159210	48.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.580%		
32) Benzene-d6	5.046	84	532849	48.414	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.820%		
36) 1,2-Dichloropropane-d6	6.069	67	171619	49.197	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.400%		
41) Toluene-d8	7.313	98	484971	47.626	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.260%		
43) trans-1,3-Dichloroprop...	7.622	79	79836	46.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.760%		
47) 2-Hexanone-d5	8.085	63	132505	87.111	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.110%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	209140	45.490	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.980%		
66) 1,2-Dichlorobenzene-d4	11.625	152	194294	48.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5589	2.039	ug/L	99
3) Chloromethane	1.240	50	5996	2.219	ug/L	96
5) Vinyl chloride	1.307	62	6123	2.224	ug/L #	60
6) Bromomethane	1.510	94	4045	2.672	ug/L	95
8) Chloroethane	1.577	64	3655	2.170	ug/L	99
9) Trichlorofluoromethane	1.748	101	7940	1.981	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	6136	2.714	ug/L #	78
12) 1,1-Dichloroethene	2.111	96	5814	2.805	ug/L #	1
13) Acetone	2.159	43	5801	3.958	ug/L	86
14) Carbon disulfide	2.291	76	11612	2.091	ug/L	98
15) Methyl Acetate	2.432	43	6676	2.182	ug/L	94
16) Methylene chloride	2.503	84	9282	3.290	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	4803	1.964	ug/L	93
18) Methyl tert-butyl Ether	2.767	73	17971	2.086	ug/L	96
19) 1,1-Dichloroethane	3.188	63	9736	2.042	ug/L	98
20) cis-1,2-Dichloroethene	3.911	96	5939	2.051	ug/L	98
22) 2-Butanone	3.989	43	9293m	4.357	ug/L	
23) Bromochloromethane	4.259	128	3189	2.050	ug/L	93
25) Chloroform	4.374	83	13436	2.685	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.137	62	6857	1.938	ug/L	98
29) Cyclohexane	4.677	56	7977	2.053	ug/L	87
30) 1,1,1-Trichloroethane	4.603	97	8574	1.956	ug/L #	61
31) Carbon tetrachloride	4.828	117	6935	1.839	ug/L	97
33) Benzene	5.101	78	21436	2.053	ug/L	100
34) Trichloroethene	5.915	95	6415	2.168	ug/L	89
35) Methylcyclohexane	6.130	83	8035	1.992	ug/L	97
37) 1,2-Dichloropropane	6.181	63	5451	1.959	ug/L #	88
38) Bromodichloromethane	6.516	83	7525	1.981	ug/L	95
39) cis-1,3-Dichloropropene	7.037	75	8141	1.846	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	15640	3.858	ug/L	98
42) Toluene	7.394	91	29380	2.609	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8581m	2.030	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	5655	1.996	ug/L	95
46) Tetrachloroethene	7.982	164	4138	1.893	ug/L	95
48) 2-Hexanone	8.140	43	26706	8.596	ug/L #	88
49) Dibromochloromethane	8.252	129	6236	1.932	ug/L	96
50) 1,2-Dibromoethane	8.355	107	5980	1.986	ug/L #	92
51) Chlorobenzene	8.886	112	14975	1.991	ug/L	99
52) Ethylbenzene	9.017	91	23767	1.944	ug/L	96
53) m,p-Xylene	9.143	106	9912	2.089	ug/L	92
54) o-Xylene	9.545	106	8791	1.841	ug/L	98
55) Styrene	9.570	104	14796	1.850	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.242	83	9344	2.209	ug/L	100
59) Bromoform	9.734	173	3724	1.678	ug/L #	98
60) Isopropylbenzene	9.934	105	24043	2.028	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	7396	2.169	ug/L	98
62) 1,3,5-Trimethylbenzene	10.541	105	19884	1.981	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	20514	2.008	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	11667	2.043	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	11887	2.068	ug/L	92
67) 1,2-Dichlorobenzene	11.644	146	12136	2.080	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.432	75	1397	1.556	ug/L	94
69) 1,3,5-Trichlorobenzene	12.651	180	7611	1.791	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	5573	1.555	ug/L	98
71) Naphthalene	13.509	128	14257	1.374	ug/L	98
72) 1,2,3-Trichlorobenzene	13.747	180	5456	1.532	ug/L	97

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

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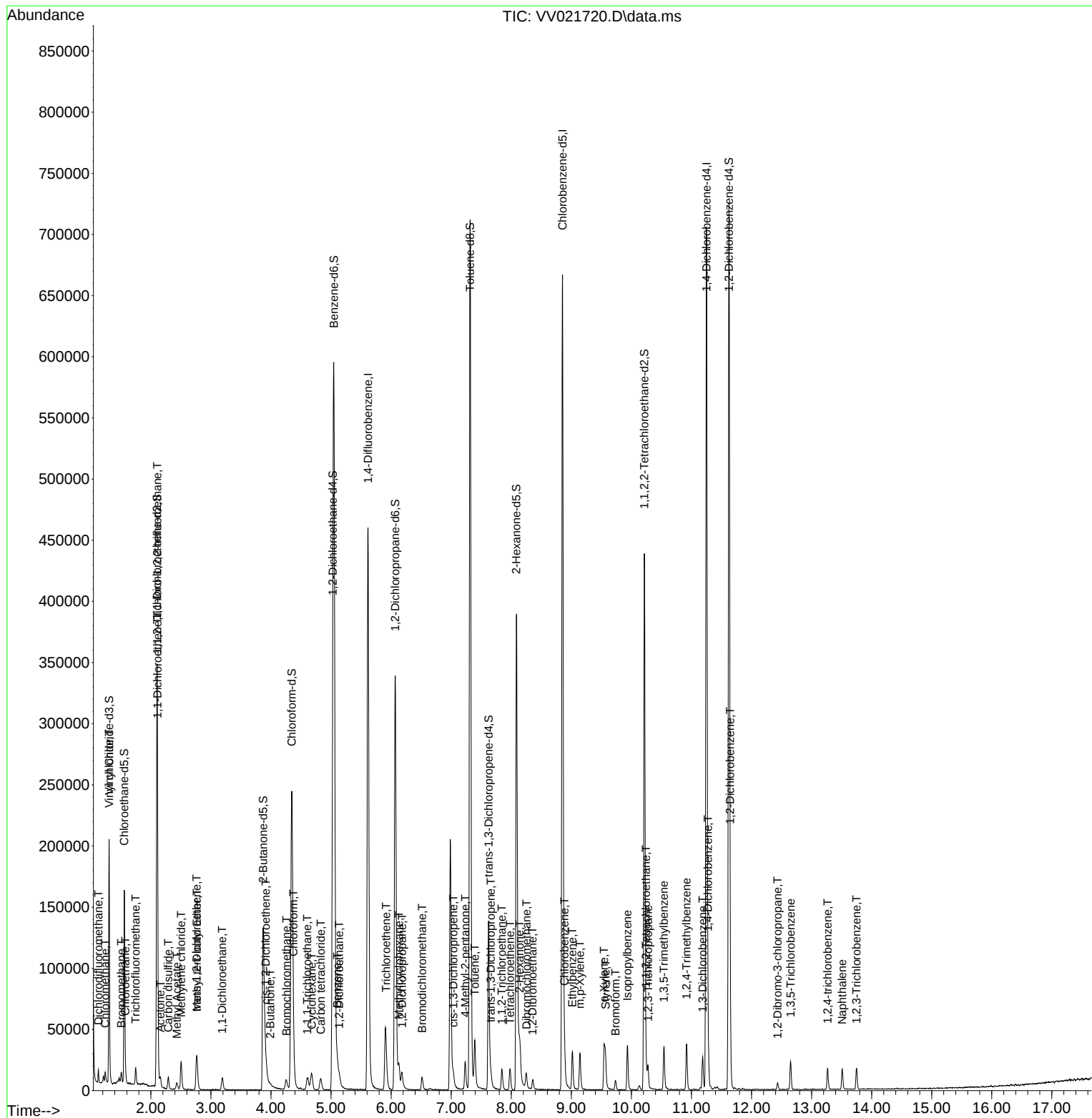
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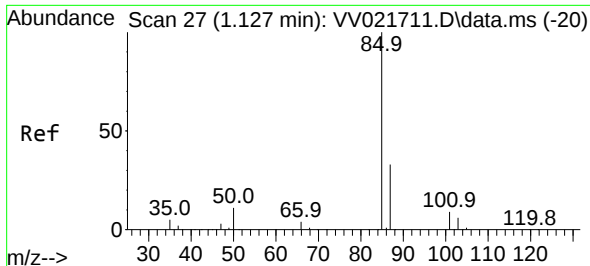
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#2
 Dichlorodifluoromethane
 Concen: 2.039 ug/L
 RT: 1.127 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

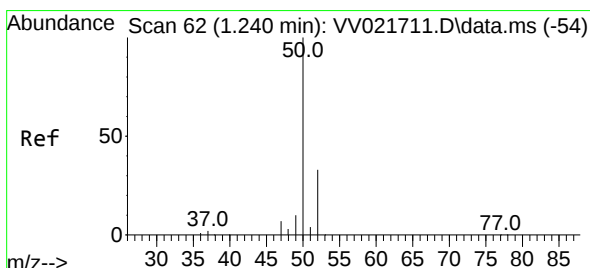
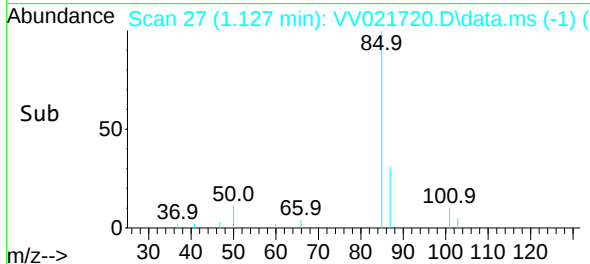
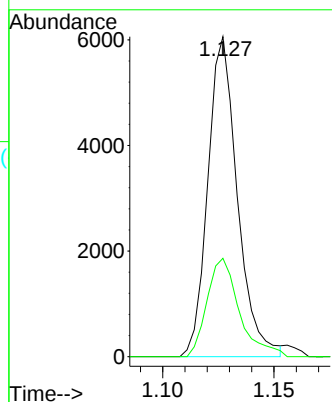
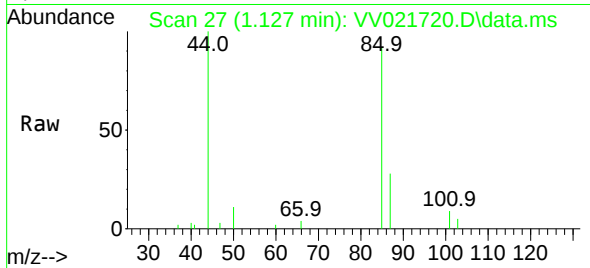
Tgt Ion: 85 Resp: 5589
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.2 39.4

Instrument :
 MSVOA_V
 ClientSampleId :
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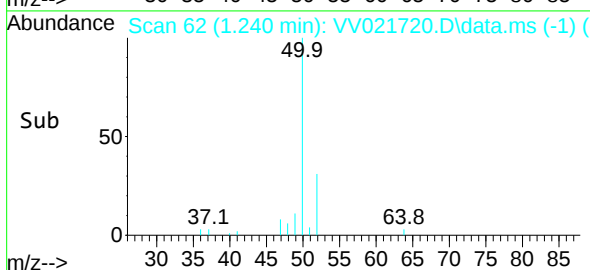
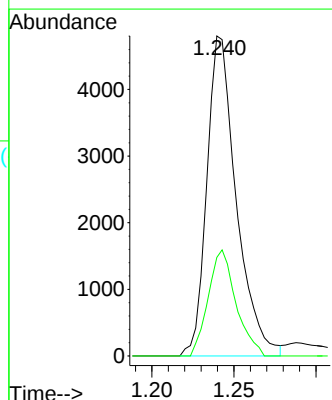
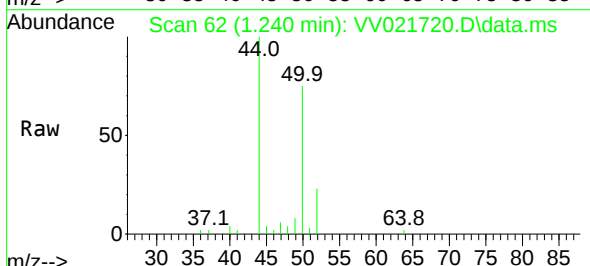
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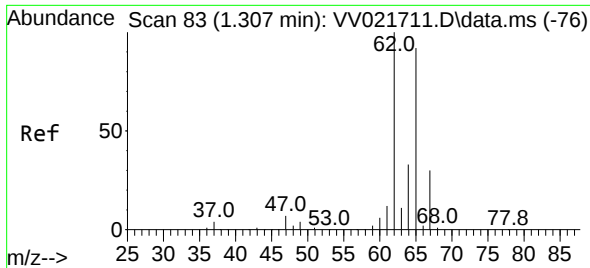
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#3
 Chloromethane
 Concen: 2.219 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

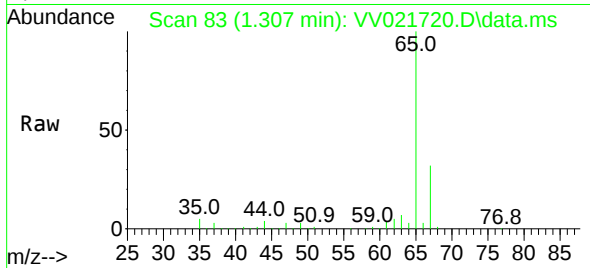
Tgt Ion: 50 Resp: 5996
 Ion Ratio Lower Upper
 50 100
 52 30.8 23.1 42.9





#5
 Vinyl chloride
 Concen: 2.224 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

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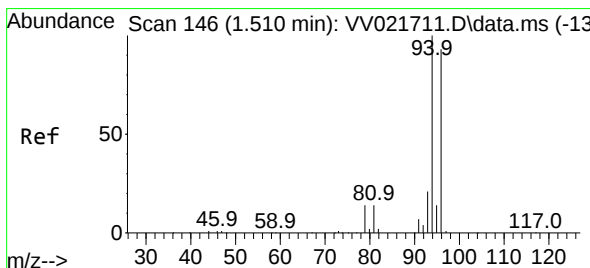
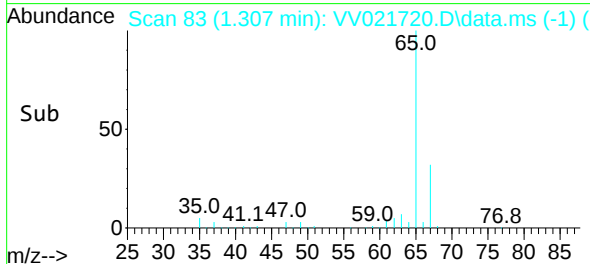
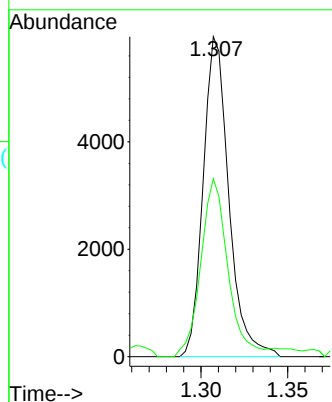


Tgt Ion: 62 Resp: 6123
 Ion Ratio Lower Upper
 62 100
 64 55.6 23.2 43.2#

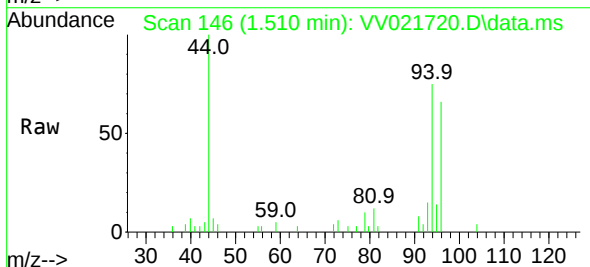
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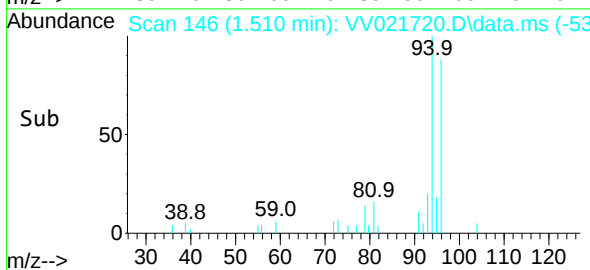
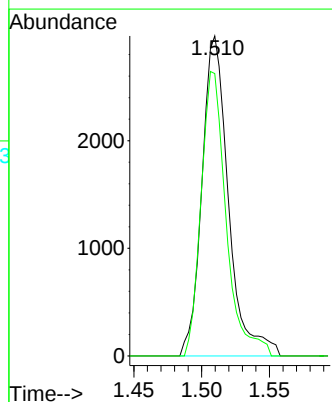
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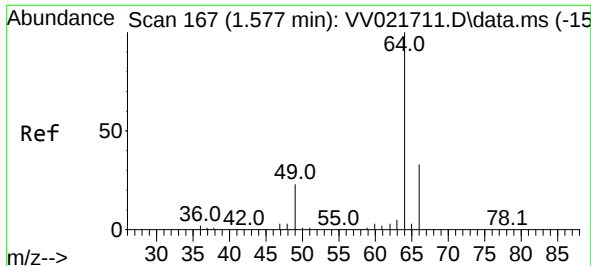


#6
 Bromomethane
 Concen: 2.672 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. -0.000 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

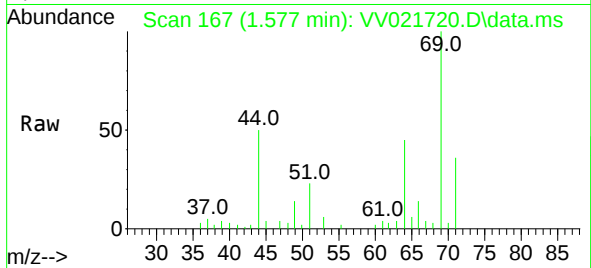


Tgt Ion: 94 Resp: 4045
 Ion Ratio Lower Upper
 94 100
 96 88.3 65.4 121.4

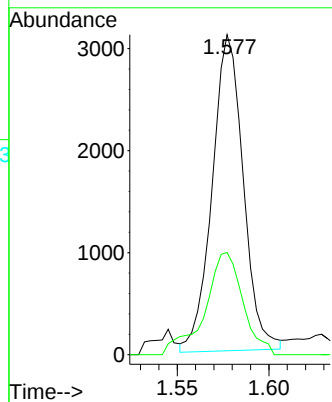
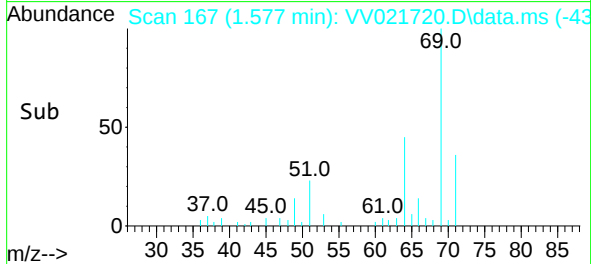




#8
Chloroethane
Concen: 2.170 ug/L
RT: 1.577 min Scan# 167
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion: 64 Resp: 3655
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5

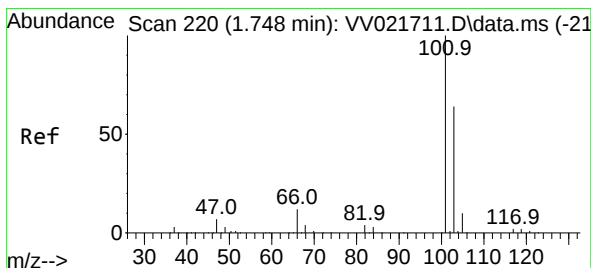


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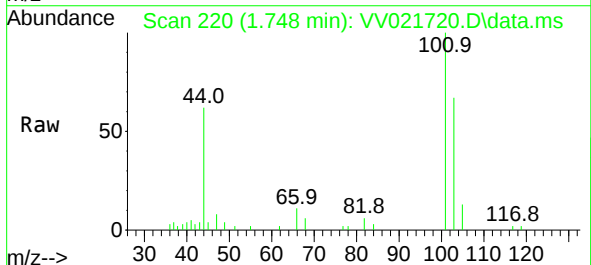
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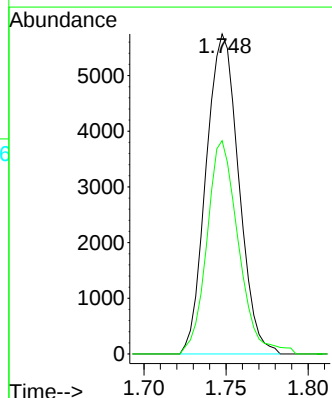
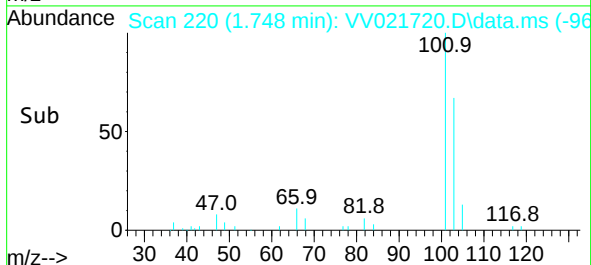
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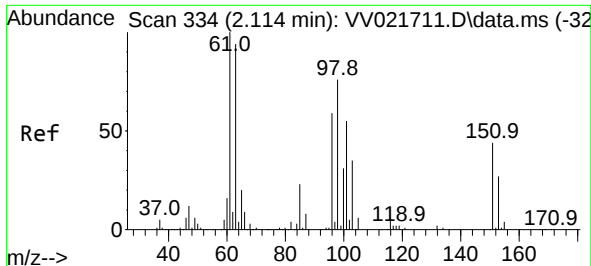


#9
Trichlorofluoromethane
Concen: 1.981 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion: 101 Resp: 7940
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.714 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.007 min

Lab File: VV021720.D

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Tgt Ion:	101	Resp:	6136
Ion	Ratio	Lower	Upper
101	100		
85	31.5	33.7	50.5#
151	56.2	62.7	94.1#

Instrument :

MSVOA_V

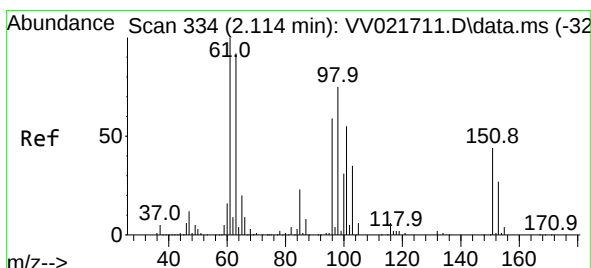
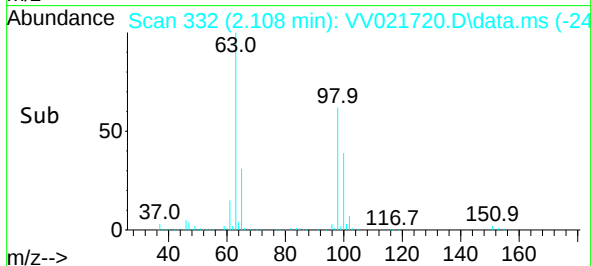
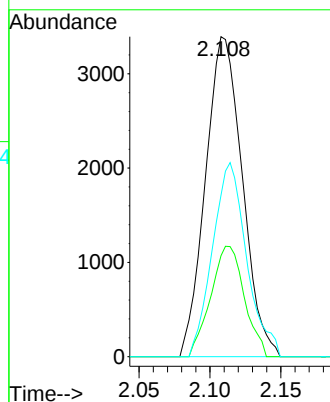
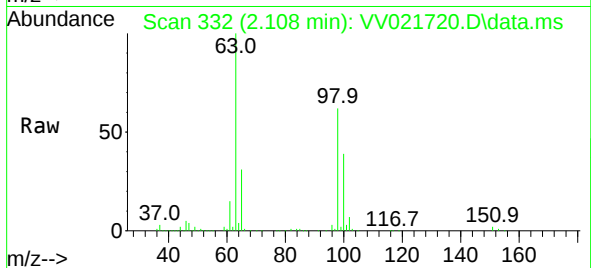
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#12

1,1-Dichloroethene

Concen: 2.805 ug/L

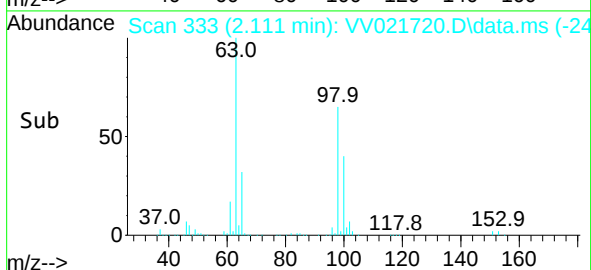
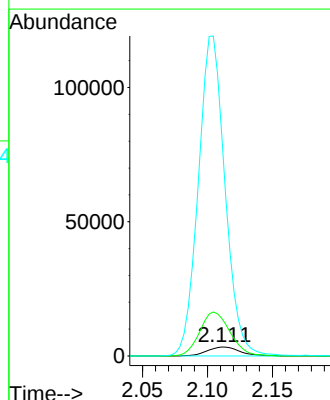
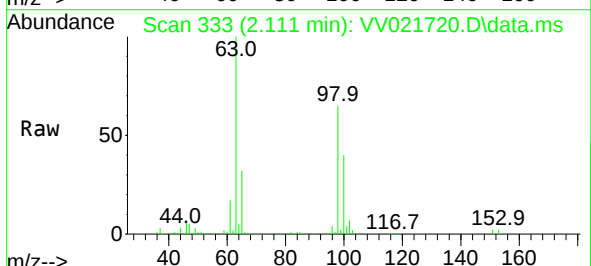
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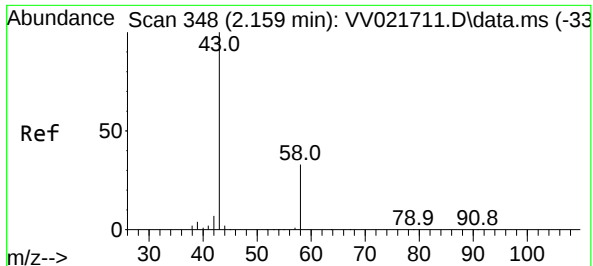
Delta R.T. -0.003 min

Lab File: VV021720.D

Acq: 02 Aug 2021 15:35

Tgt Ion:	96	Resp:	5814
Ion	Ratio	Lower	Upper
96	100		
61	424.2	118.2	219.4#
63	2502.0	110.9	205.9#





#13
Acetone
Concen: 3.958 ug/L
RT: 2.159 min Scan# 348
Delta R.T. -0.000 min
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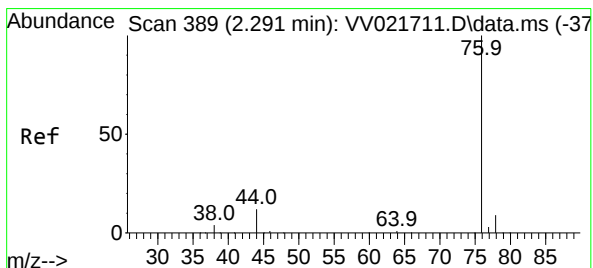
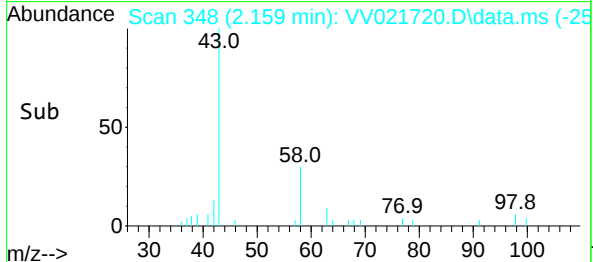
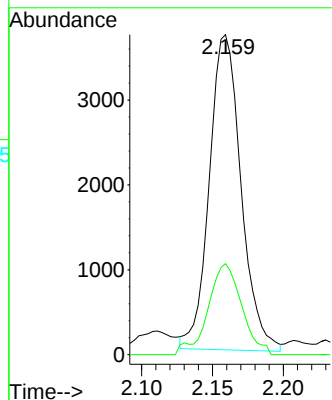
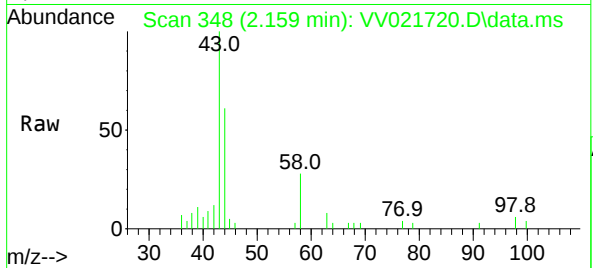
Tgt Ion: 43 Resp: 5801
Ion Ratio Lower Upper
43 100
58 25.4 0.0 66.2

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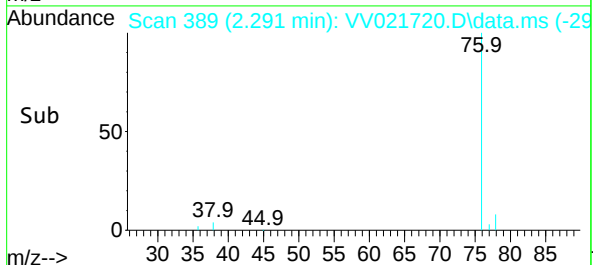
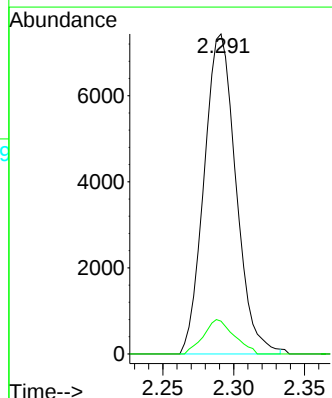
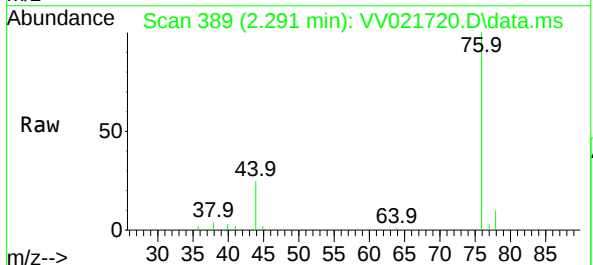
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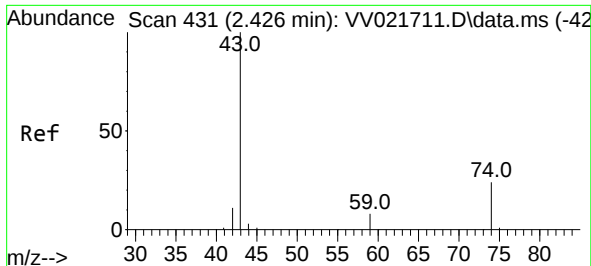
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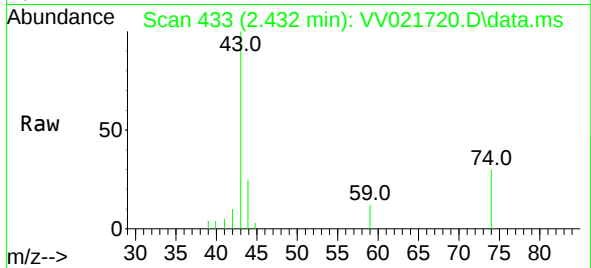
#14
Carbon disulfide
Concen: 2.091 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion: 76 Resp: 11612
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4

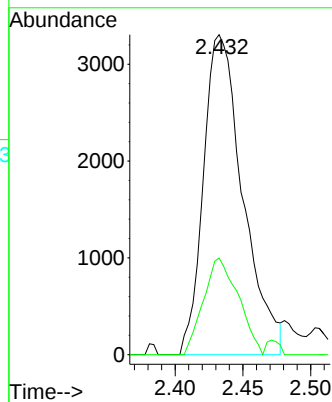
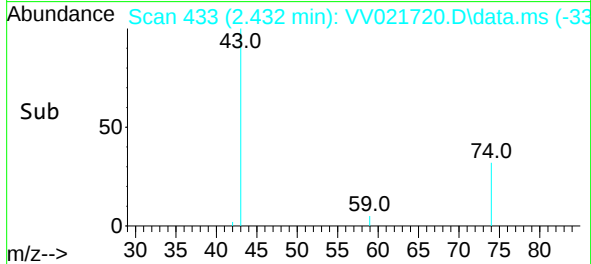




#15
Methyl Acetate
Concen: 2.182 ug/L
RT: 2.432 min Scan# 433
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion: 43 Resp: 6676
Ion Ratio Lower Upper
43 100
74 26.8 19.0 28.4

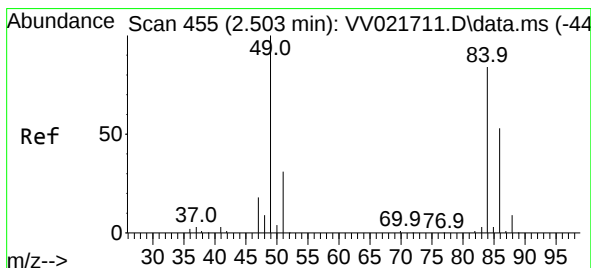


Instrument :
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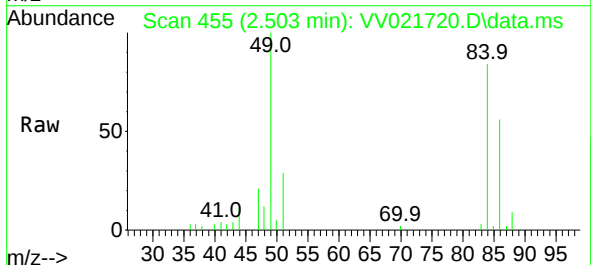
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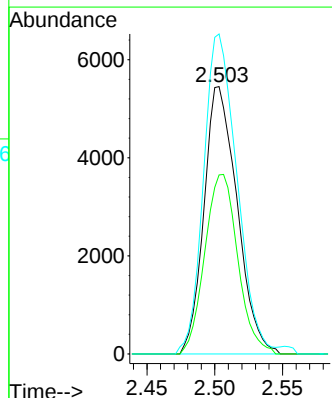
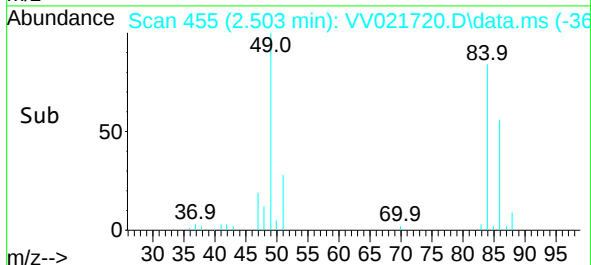
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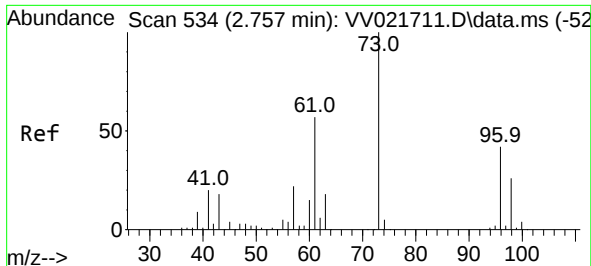


#16
Methylene chloride
Concen: 3.290 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion: 84 Resp: 9282
Ion Ratio Lower Upper
84 100
86 67.0 44.2 82.2
49 119.7 83.4 155.0





#17
trans-1,2-Dichloroethene
Concen: 1.964 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

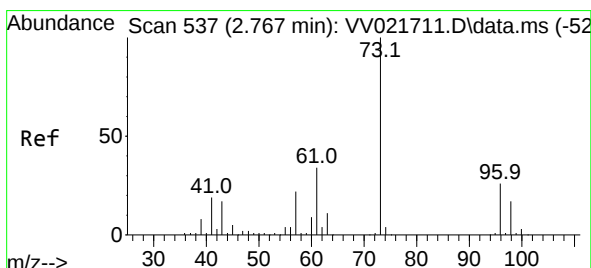
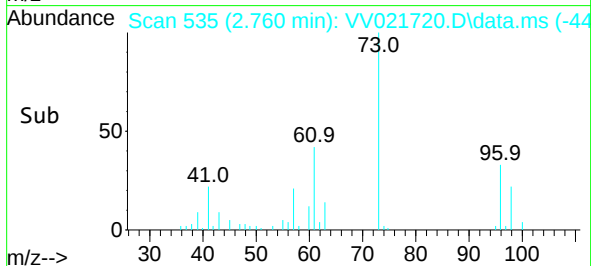
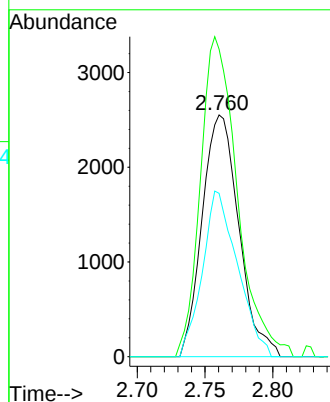
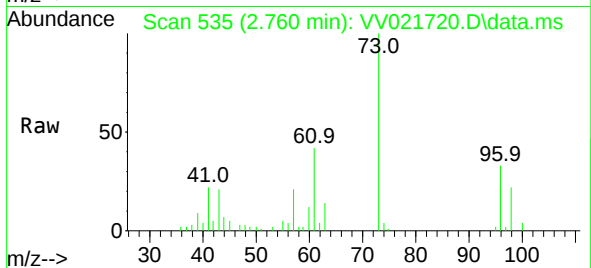
Tgt Ion: 96 Resp: 4803
Ion Ratio Lower Upper
96 100
61 127.2 95.1 176.7
98 67.6 43.8 81.3

Instrument :
MSVOA_V
ClientSampleId :
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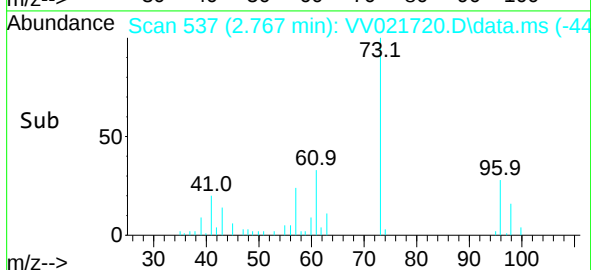
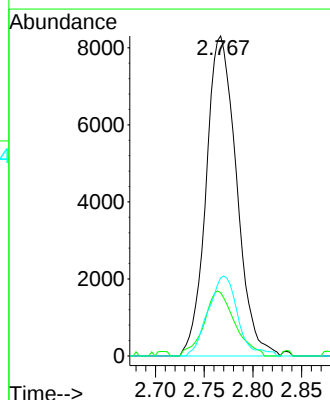
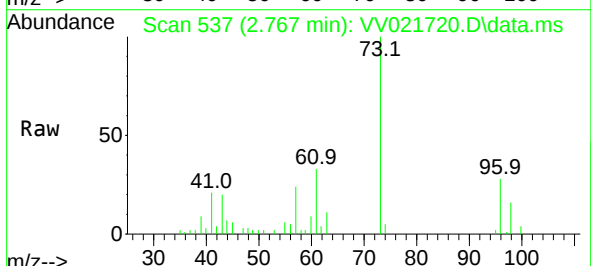
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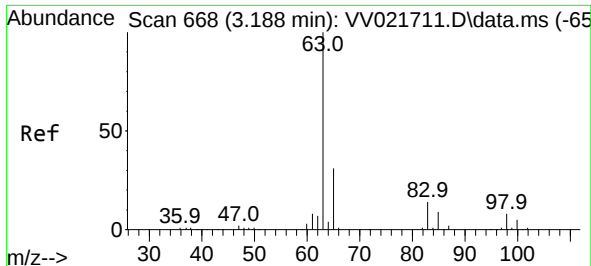
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#18
Methyl tert-butyl Ether
Concen: 2.086 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion: 73 Resp: 17971
Ion Ratio Lower Upper
73 100
43 20.5 14.3 21.5
57 23.5 17.7 26.5





#19
1,1-Dichloroethane
Concen: 2.042 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

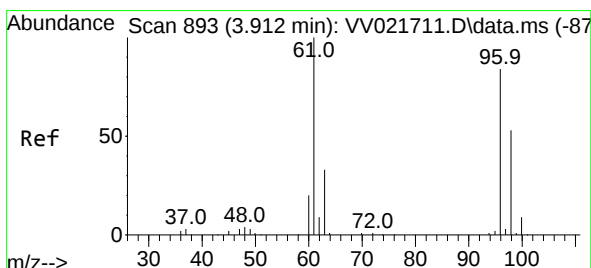
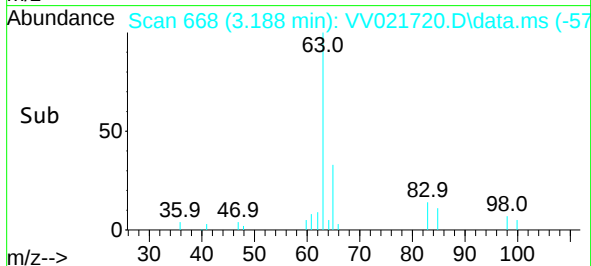
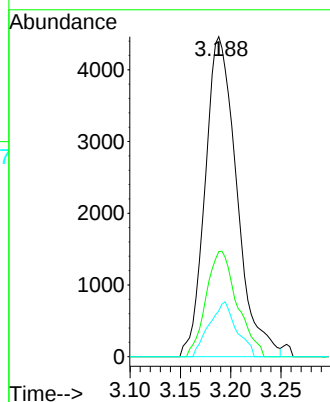
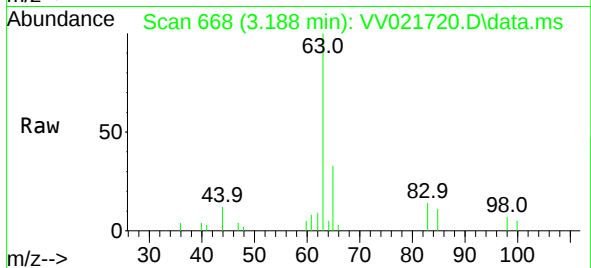
Tgt Ion:	63	Resp:	9736
Ion Ratio	Lower	Upper	
63	100		
65	32.9	22.0	41.0
83	14.3	9.7	18.1

Instrument :
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ClientSampleId :
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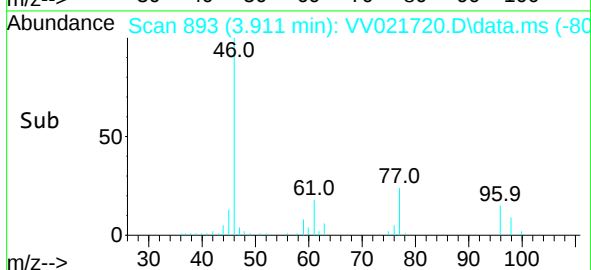
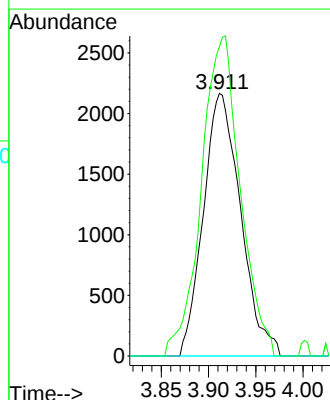
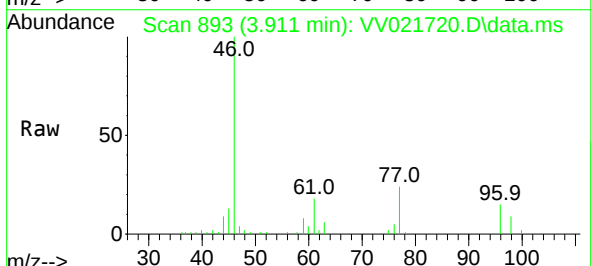
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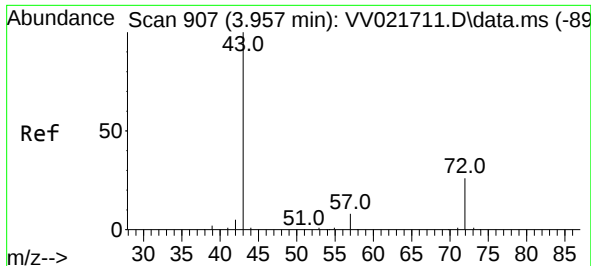
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#20
cis-1,2-Dichloroethene
Concen: 2.051 ug/L
RT: 3.911 min Scan# 893
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:	96	Resp:	5939
Ion Ratio	Lower	Upper	
96	100		
61	117.8	84.1	156.3
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 4.357 ug/L m
RT: 3.989 min Scan# 917
Delta R.T. 0.032 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

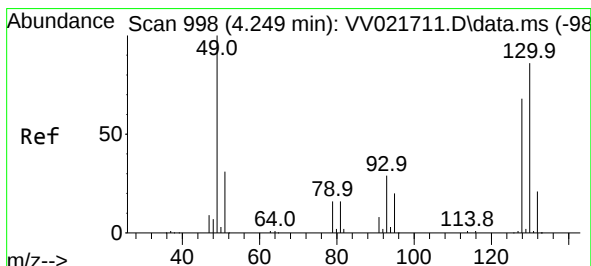
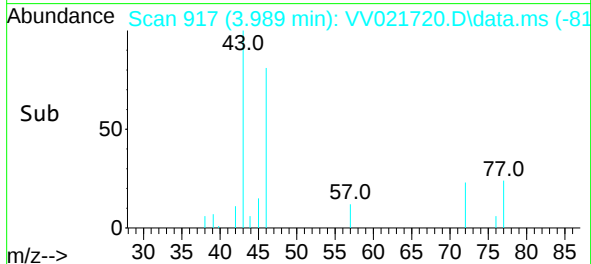
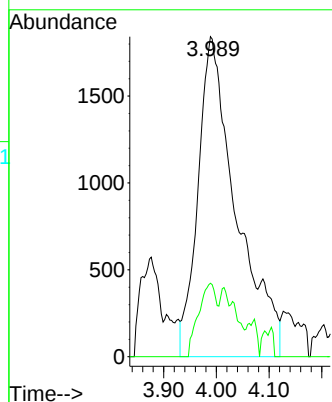
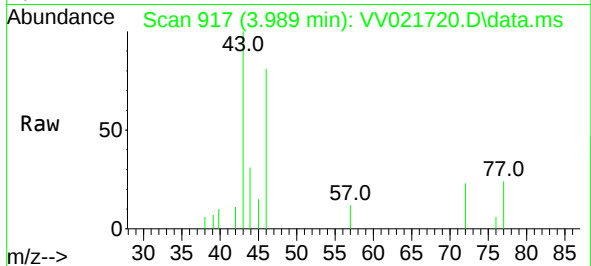
Tgt Ion: 43 Resp: 9293
Ion Ratio Lower Upper
43 100
72 11.1 13.8 41.4#

Instrument :
MSVOA_V
ClientSampleId :
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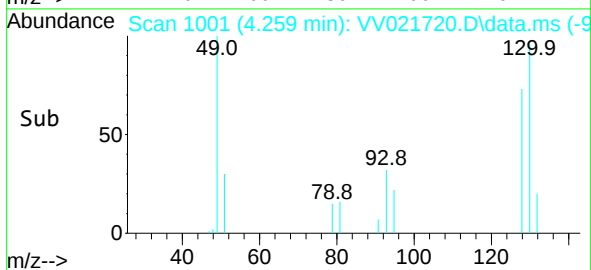
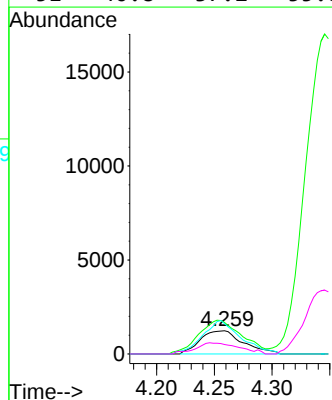
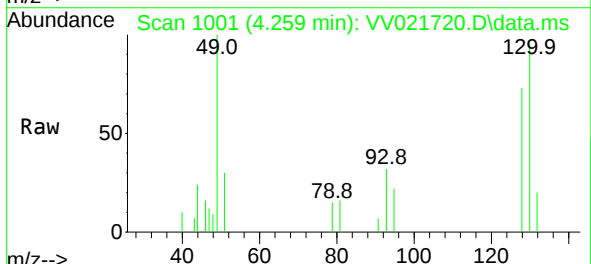
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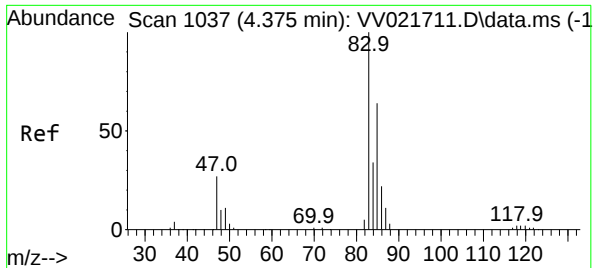
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#23
Bromochloromethane
Concen: 2.050 ug/L
RT: 4.259 min Scan# 1001
Delta R.T. 0.009 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

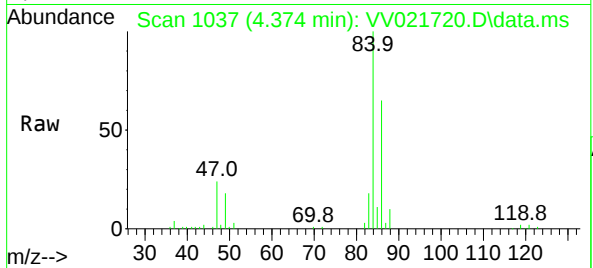
Tgt Ion: 128 Resp: 3189
Ion Ratio Lower Upper
128 100
49 136.1 103.6 192.4
130 130.5 88.8 165.0
51 40.8 37.2 55.8



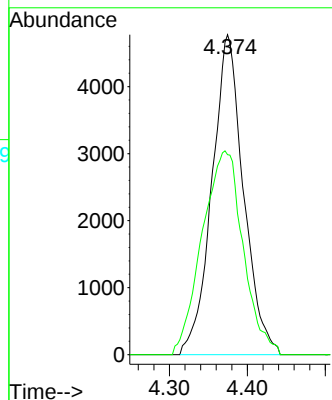


#25
Chloroform
Concen: 2.685 ug/L
RT: 4.374 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Instrument :
MSVOA_V
ClientSampleId :
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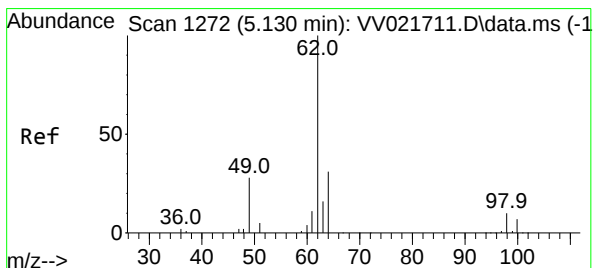
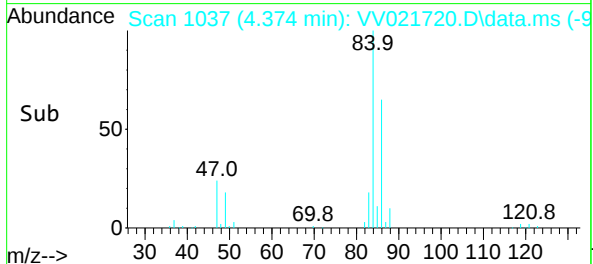
Tgt Ion: 83 Resp: 13436
Ion Ratio Lower Upper
83 100
85 62.5 45.0 83.6



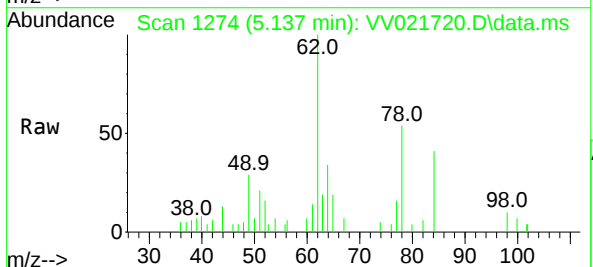
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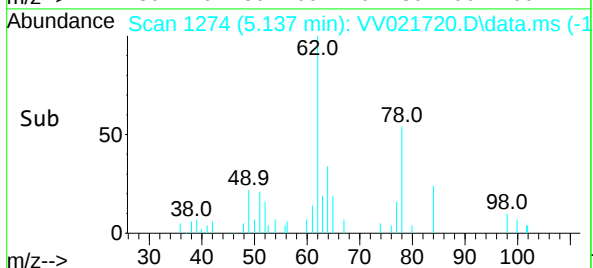
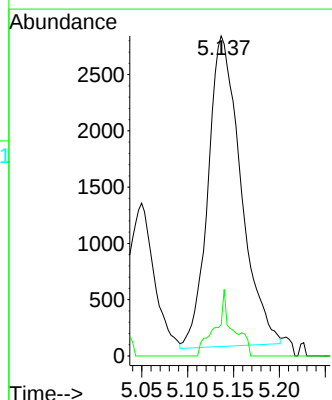
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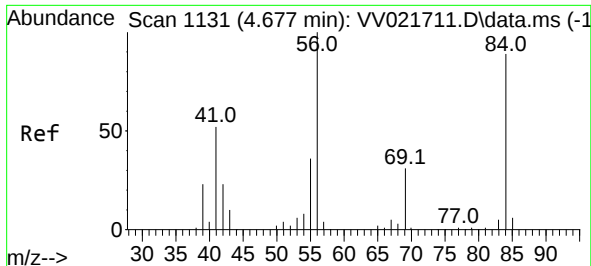


#27
1,2-Dichloroethane
Concen: 1.938 ug/L
RT: 5.137 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion: 62 Resp: 6857
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5





#29
Cyclohexane
Concen: 2.053 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

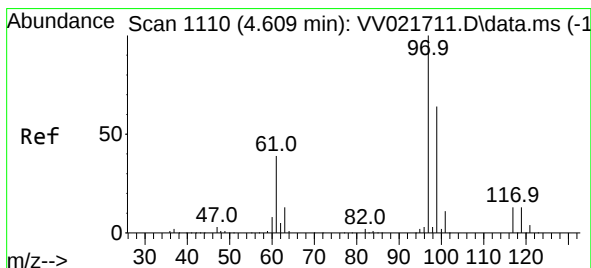
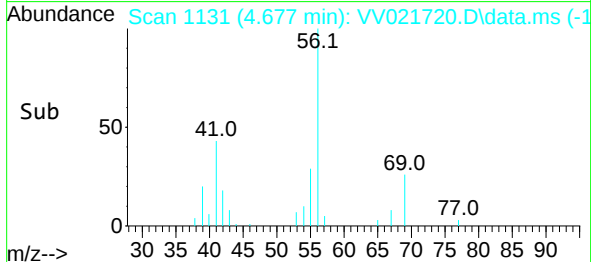
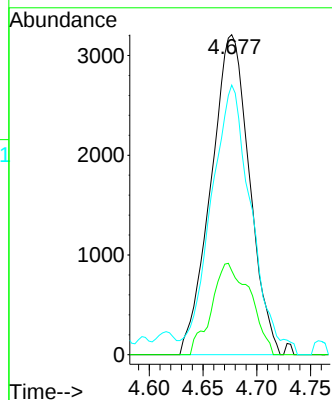
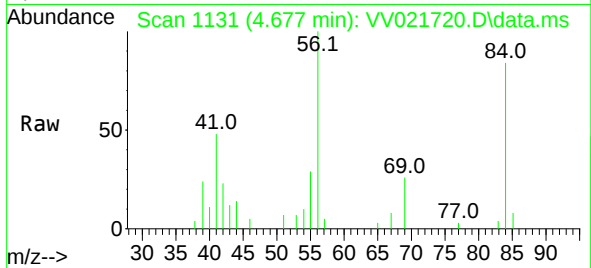
Tgt Ion:	56	Resp:	7977
Ion	Ratio	Lower	Upper
56	100		
69	26.6	25.1	37.7
84	76.5	71.7	107.5

Instrument :
MSVOA_V
ClientSampleId :
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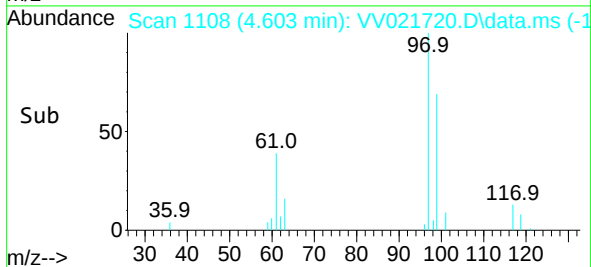
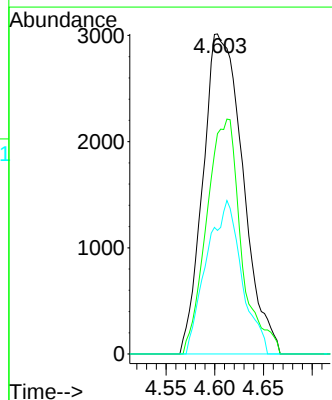
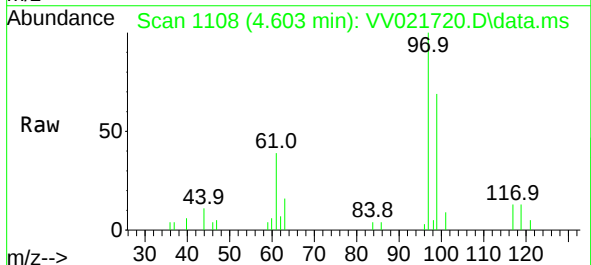
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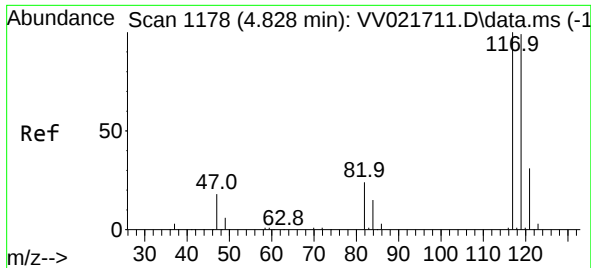
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#30
1,1,1-Trichloroethane
Concen: 1.956 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. -0.007 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:	97	Resp:	8574
Ion	Ratio	Lower	Upper
97	100		
99	33.9	52.0	78.0#
61	16.5	32.6	49.0#





#31
Carbon tetrachloride
Concen: 1.839 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

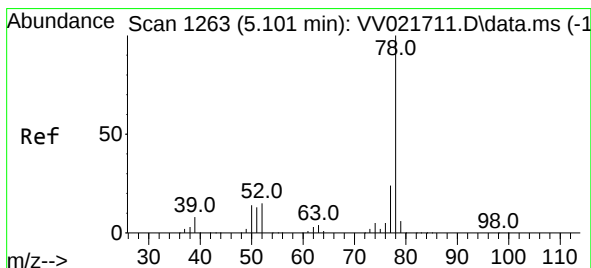
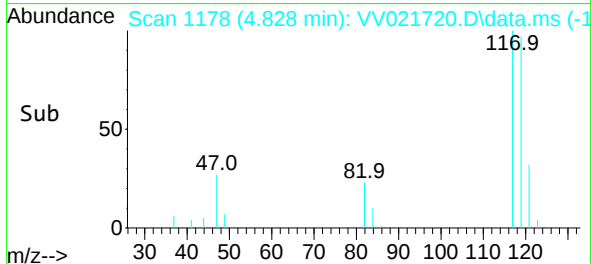
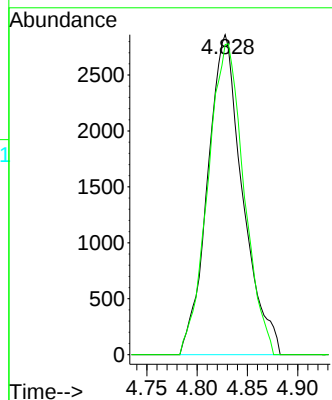
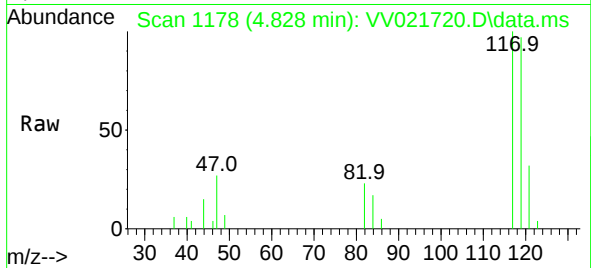
Tgt Ion: 117 Resp: 6935
Ion Ratio Lower Upper
117 100
119 99.7 77.7 116.5

Instrument :
MSVOA_V
ClientSampleId :
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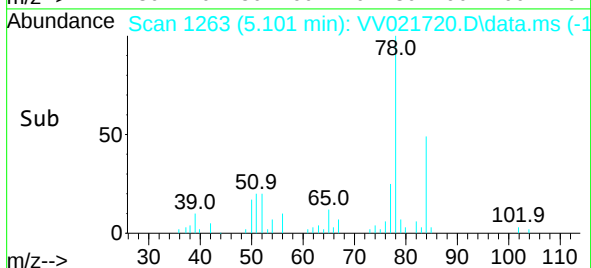
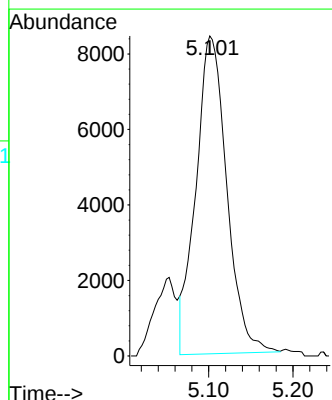
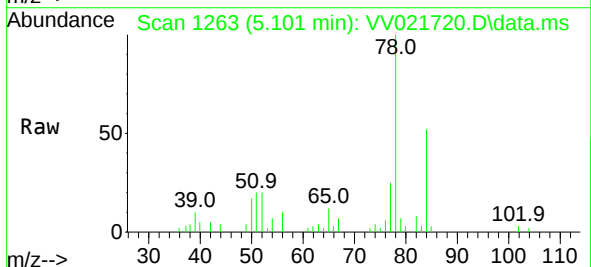
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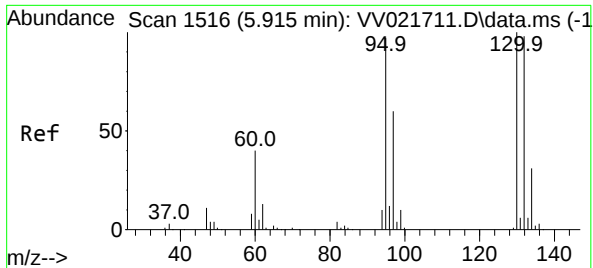
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#33
Benzene
Concen: 2.053 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion: 78 Resp: 21436





#34
Trichloroethene
Concen: 2.168 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

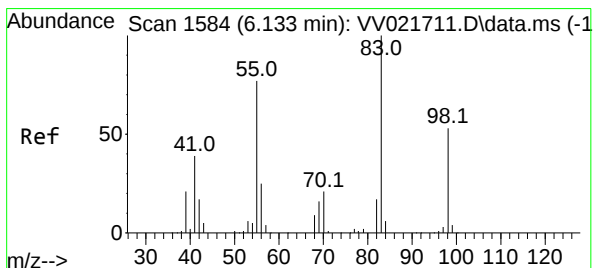
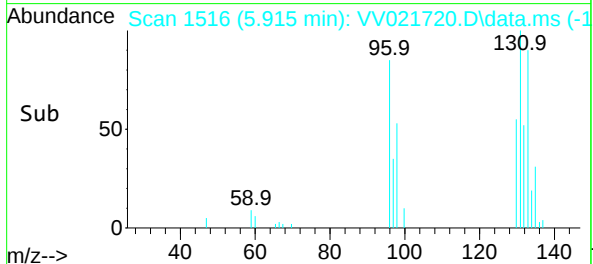
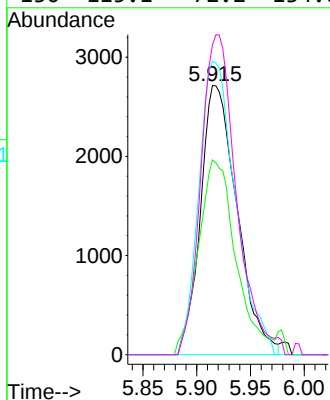
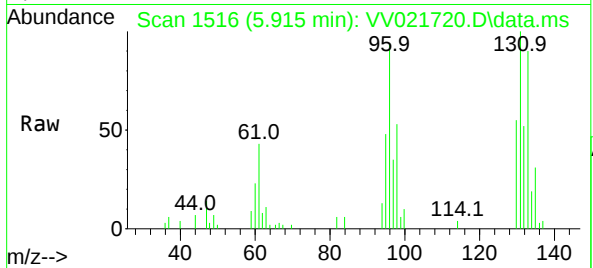
Tgt Ion:	95	Resp:	6415
Ion	Ratio	Lower	Upper
95	100		
97	72.4	43.5	80.7
132	109.0	70.6	131.2
130	115.1	72.2	134.0

Instrument :
MSVOA_V
ClientSampleId :
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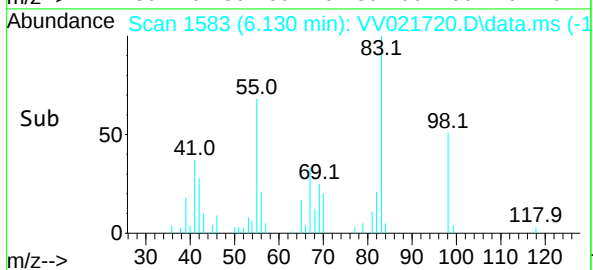
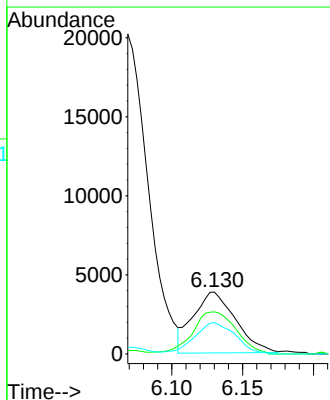
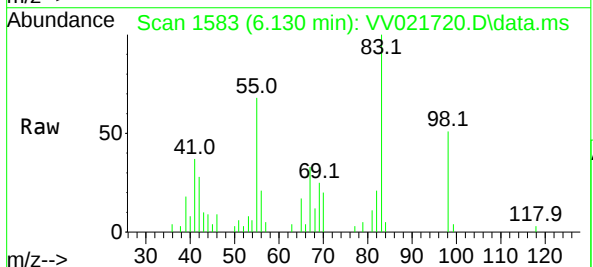
MMDadoda

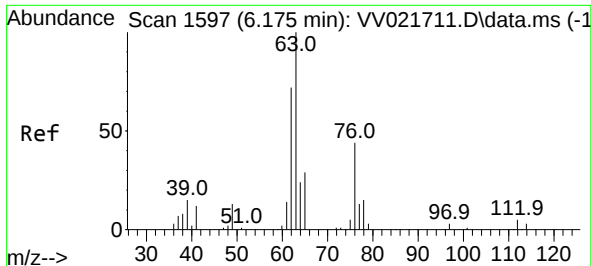
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#35
Methylcyclohexane
Concen: 1.992 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. -0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:	83	Resp:	8035
Ion	Ratio	Lower	Upper
83	100		
55	71.3	59.1	88.7
98	49.7	40.8	61.2





#37

1,2-Dichloropropane

Concen: 1.959 ug/L

RT: 6.181 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VV021720.D

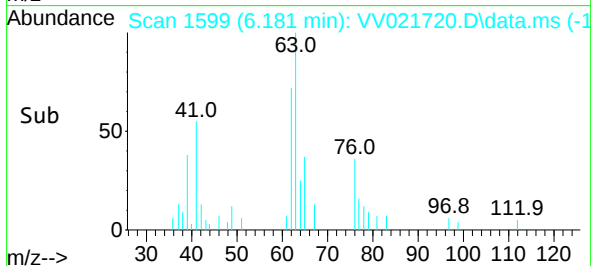
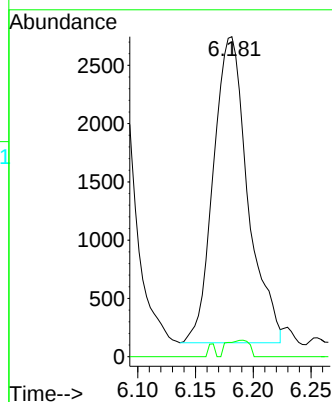
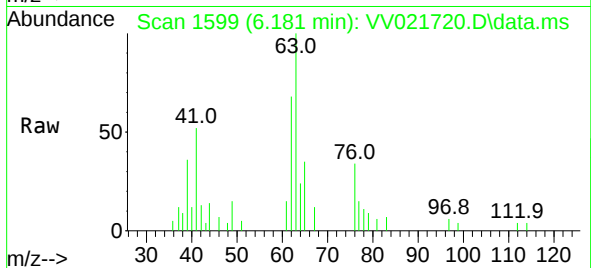
Acq: 02 Aug 2021 15:35

Tgt Ion: 63 Resp: 5451

Ion Ratio Lower Upper

63 100

112 0.8 3.8 5.8#



Instrument :

MSVOA_V

ClientSampleId :

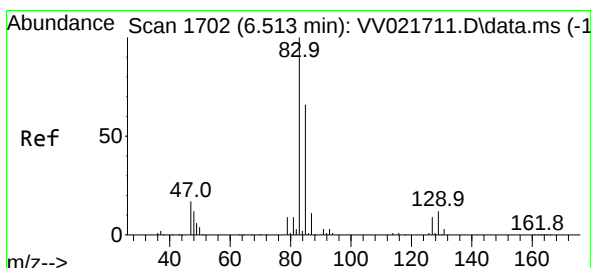
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#38

Bromodichloromethane

Concen: 1.981 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.003 min

Lab File: VV021720.D

Acq: 02 Aug 2021 15:35

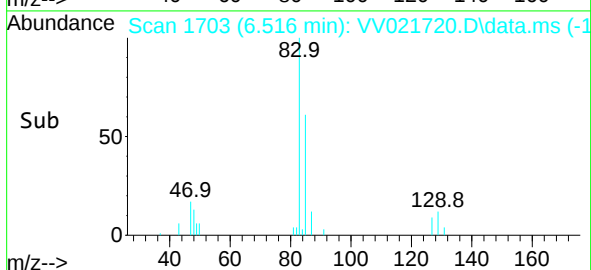
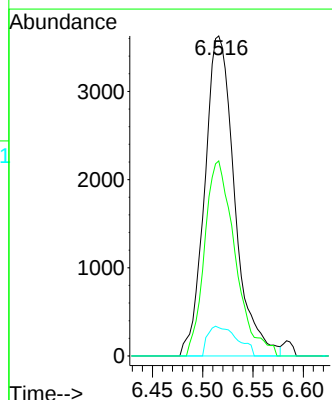
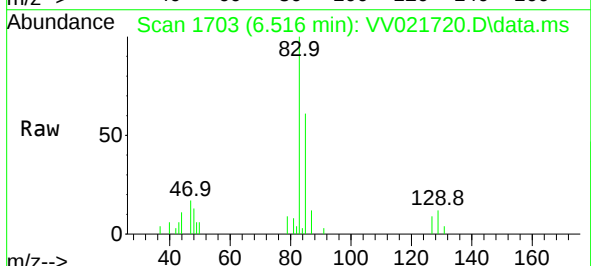
Tgt Ion: 83 Resp: 7525

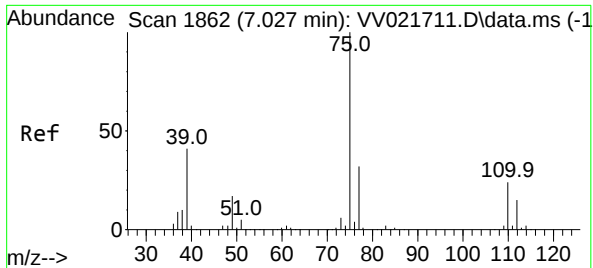
Ion Ratio Lower Upper

83 100

85 60.9 45.8 85.2

127 8.9 7.1 10.7





#39
 cis-1,3-Dichloropropene
 Concen: 1.846 ug/L
 RT: 7.037 min Scan# 1865
 Delta R.T. 0.009 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

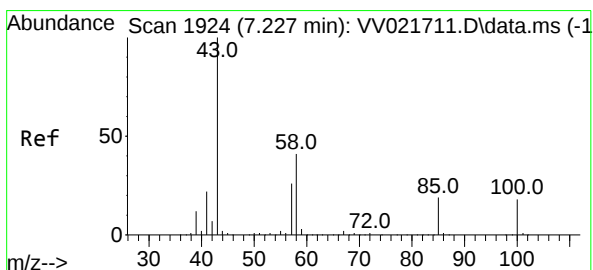
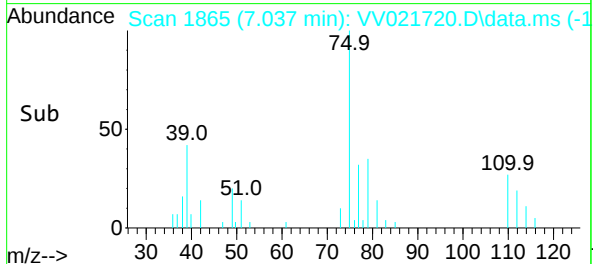
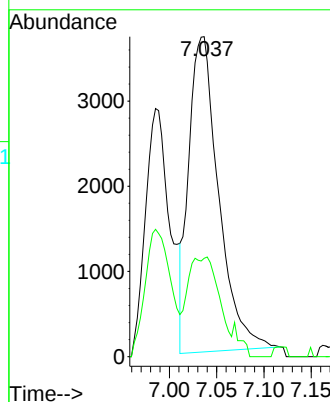
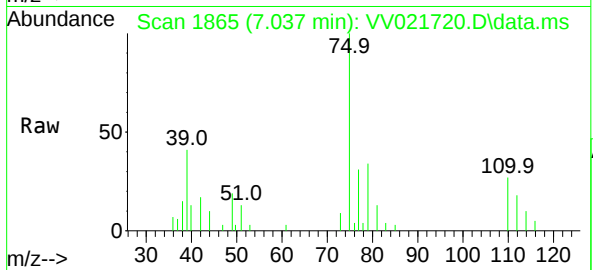
Tgt Ion: 75 Resp: 8141
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.4 41.6

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

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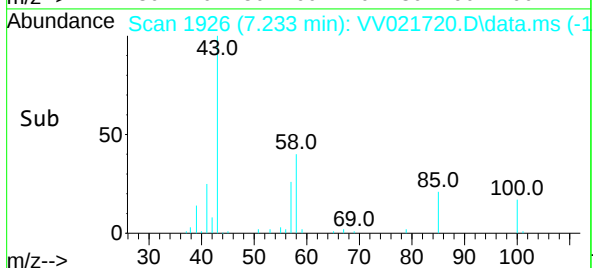
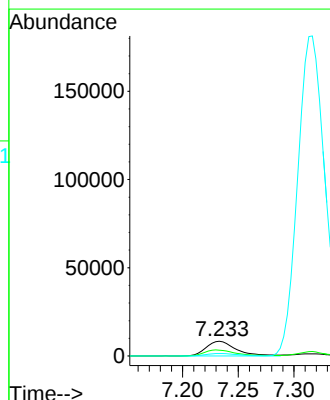
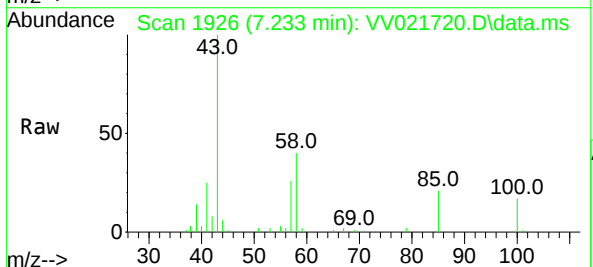
MMDadoda

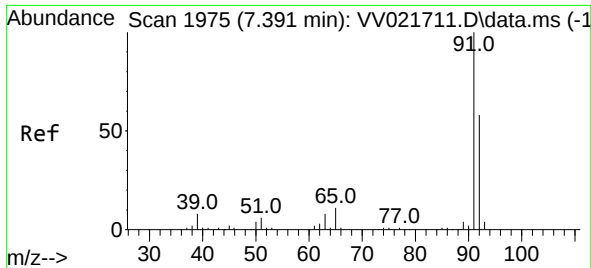
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#40
 4-Methyl-2-pentanone
 Concen: 3.858 ug/L
 RT: 7.233 min Scan# 1926
 Delta R.T. 0.006 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

Tgt Ion: 43 Resp: 15640
 Ion Ratio Lower Upper
 43 100
 58 42.5 32.9 49.3
 100 17.5 13.8 20.8





#42
Toluene
Concen: 2.609 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

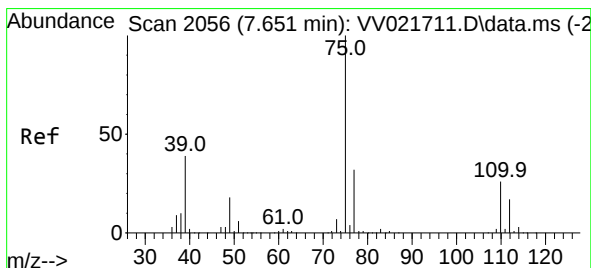
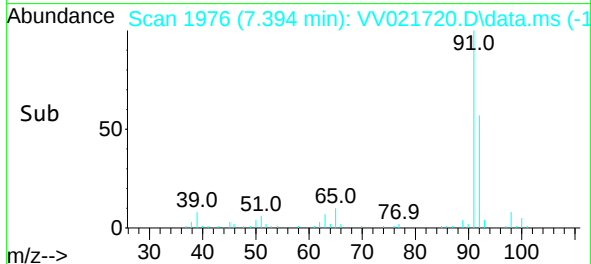
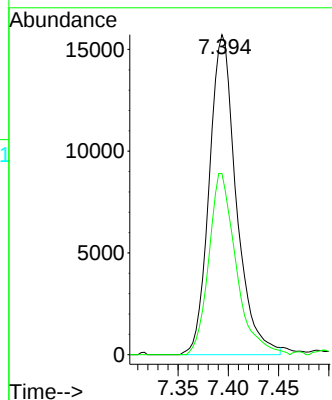
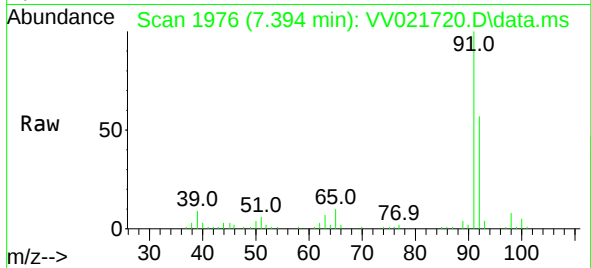
Tgt Ion: 91 Resp: 29380
Ion Ratio Lower Upper
91 100
92 56.6 40.9 76.0

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
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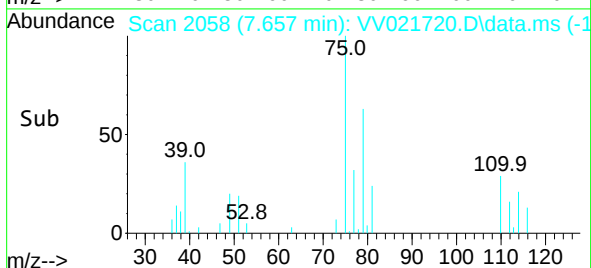
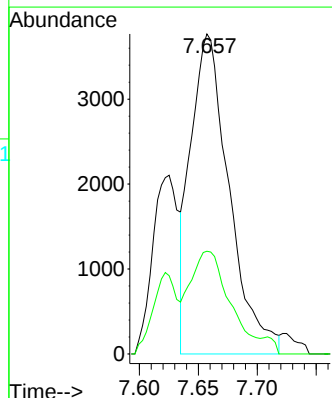
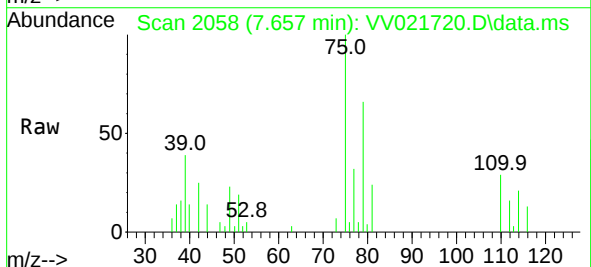
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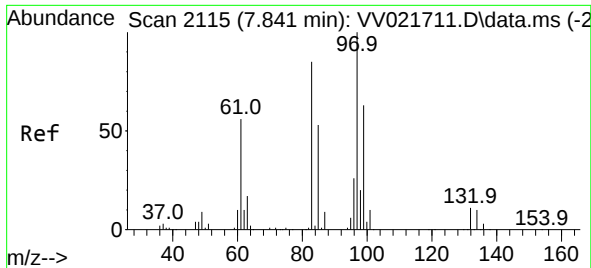
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#44
trans-1,3-Dichloropropene
Concen: 2.030 ug/L m
RT: 7.657 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion: 75 Resp: 8581
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.5





#45
1,1,2-Trichloroethane
Concen: 1.996 ug/L
RT: 7.844 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

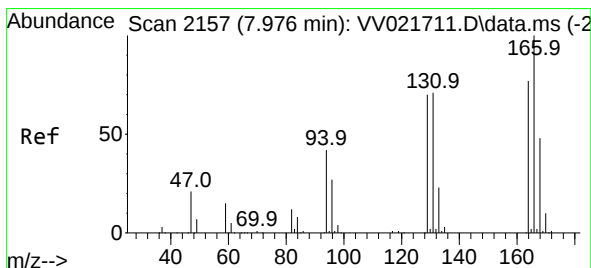
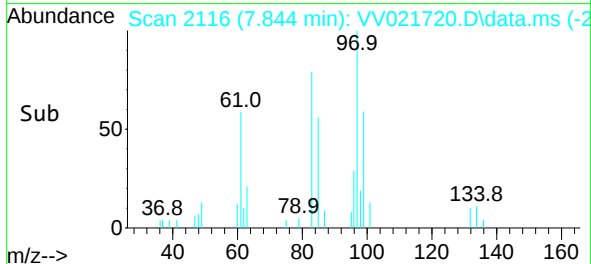
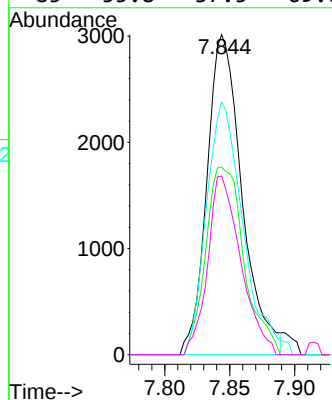
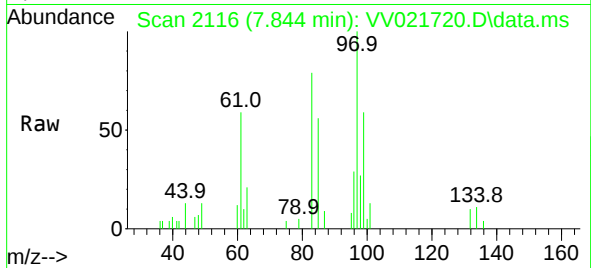
Tgt Ion: 97	Resp: 5655
Ion Ratio	Lower Upper
97 100	
99 58.6	43.8 81.3
83 78.9	59.3 110.1
85 55.8	37.5 69.6

Instrument :
MSVOA_V
ClientSampleId :
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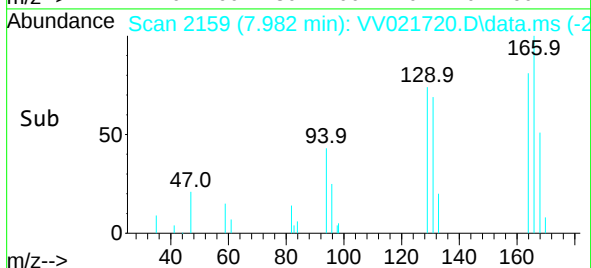
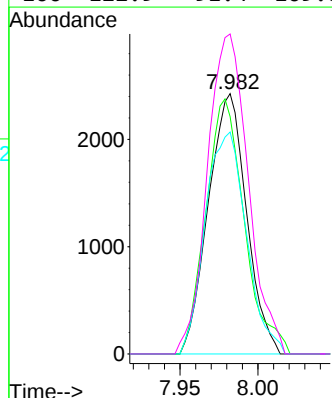
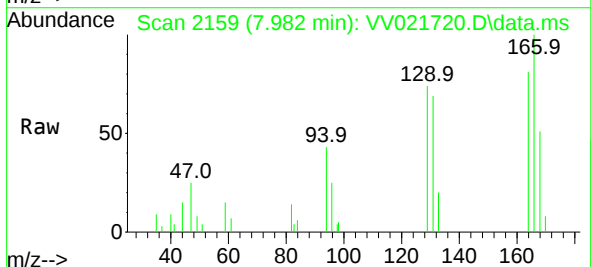
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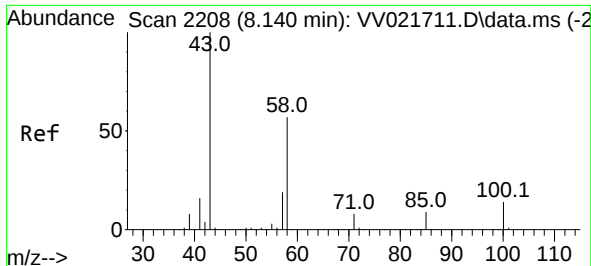
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#46
Tetrachloroethene
Concen: 1.893 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

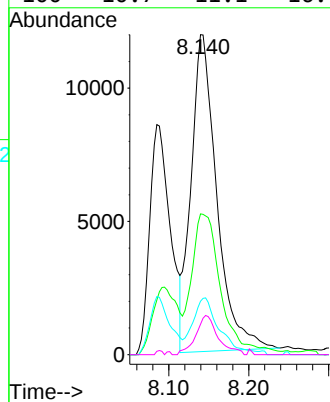
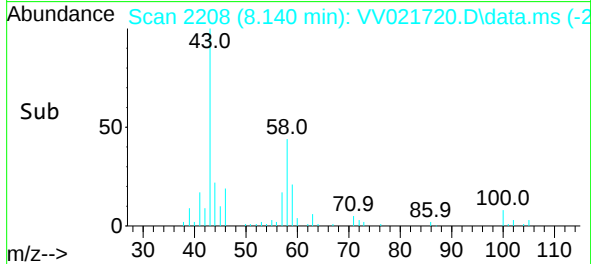
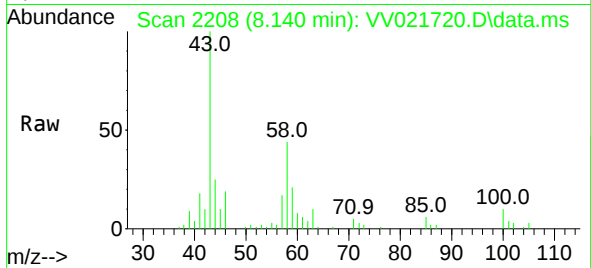
Tgt	Ion:164	Resp:	4138
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.3	119.5
131	85.2	65.2	121.0
166	122.9	91.4	169.8





#48
2-Hexanone
Concen: 8.596 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:	43	Resp:	26706
Ion	Ratio	Lower	Upper
43	100		
58	45.5	46.0	69.0#
57	18.6	15.0	22.4
100	10.7	11.1	16.7#

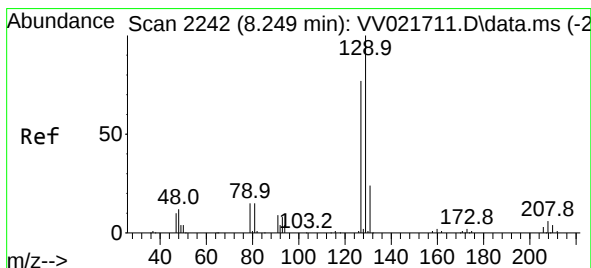


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

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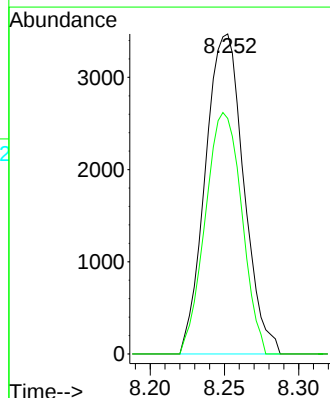
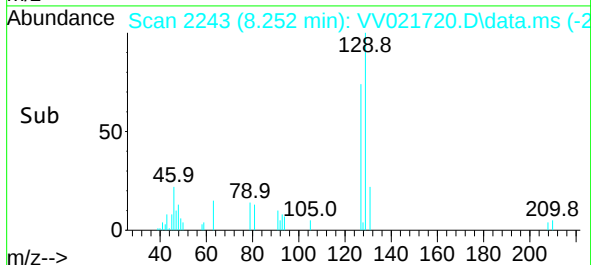
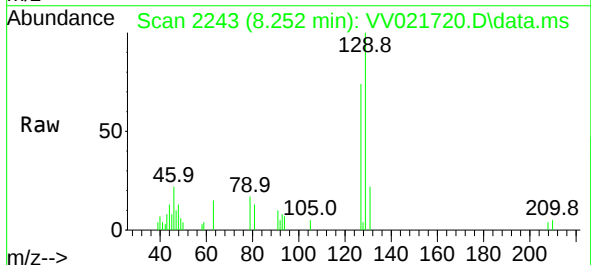
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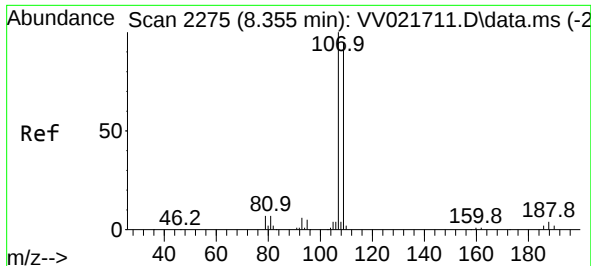
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#49
Dibromochloromethane
Concen: 1.932 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

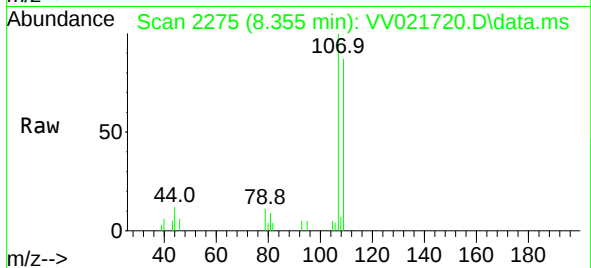
Tgt Ion:	129	Resp:	6236
Ion	Ratio	Lower	Upper
129	100		
127	73.6	54.0	100.2





#50
1,2-Dibromoethane
Concen: 1.986 ug/L
RT: 8.355 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

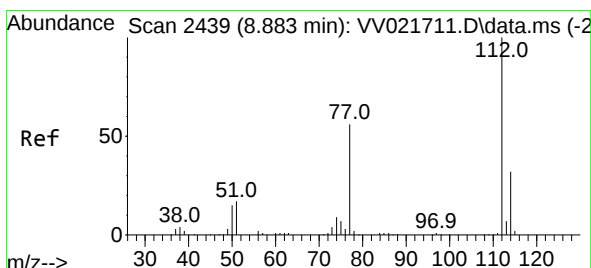
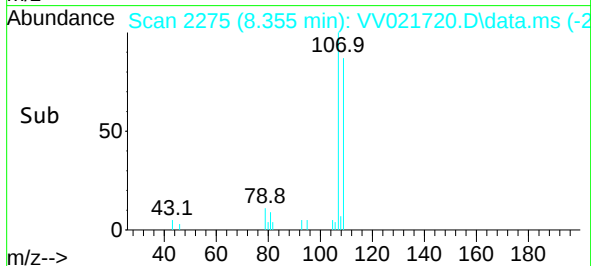
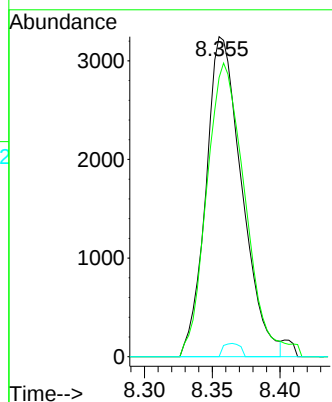


Tgt Ion:107 Resp: 5980
Ion Ratio Lower Upper
107 100
109 87.2 66.2 123.0
188 0.0 3.1 4.7#

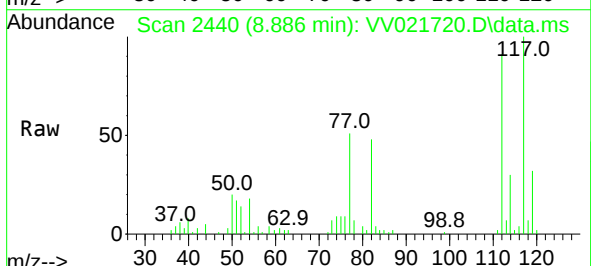
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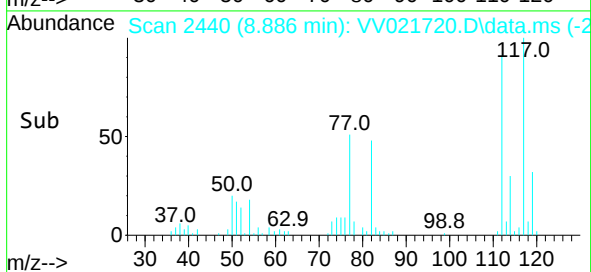
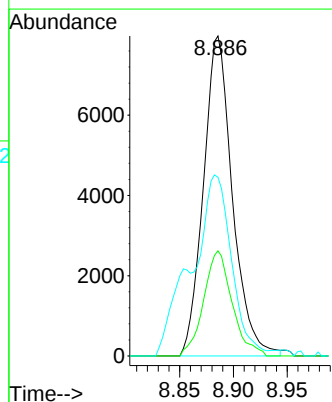
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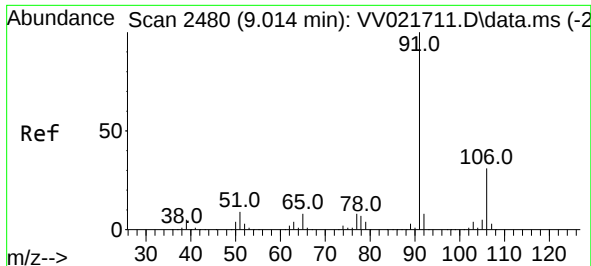


#51
Chlorobenzene
Concen: 1.991 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion:112 Resp: 14975
Ion Ratio Lower Upper
112 100
114 32.8 22.6 42.0
77 55.8 45.0 67.4





#52
Ethylbenzene
Concen: 1.944 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

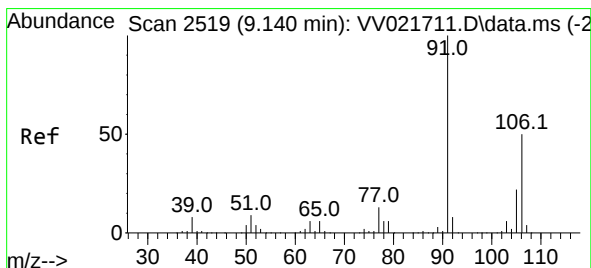
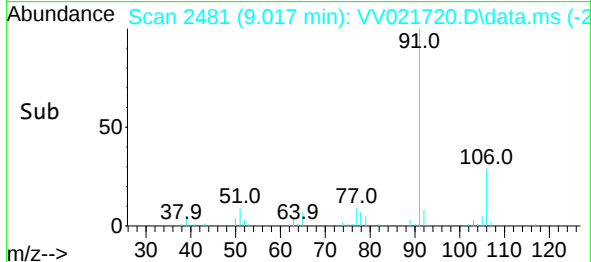
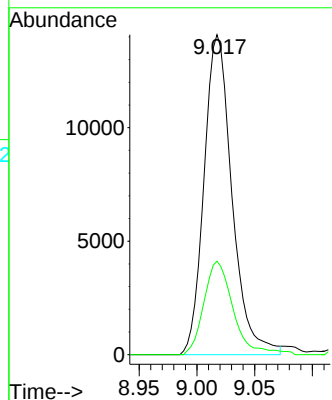
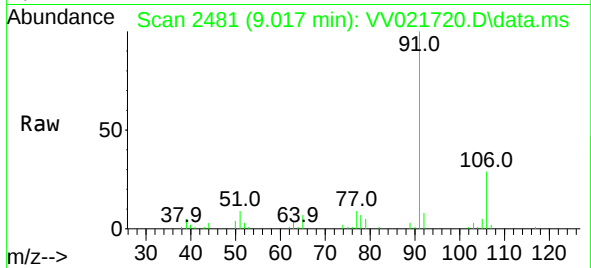
Tgt Ion: 91 Resp: 23767
Ion Ratio Lower Upper
91 100
106 29.2 22.0 40.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

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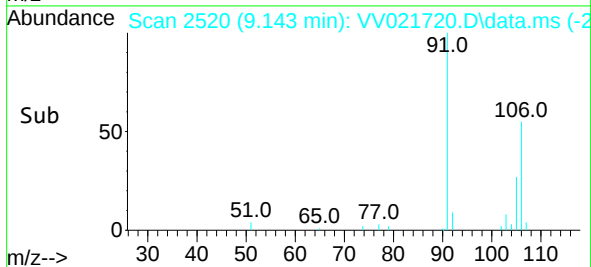
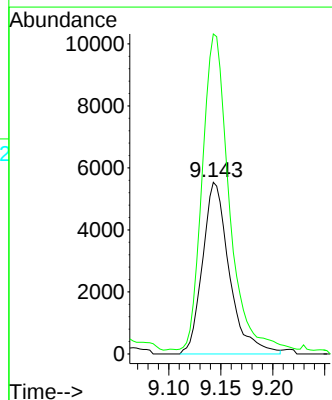
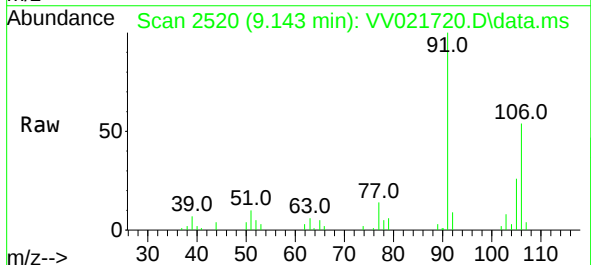
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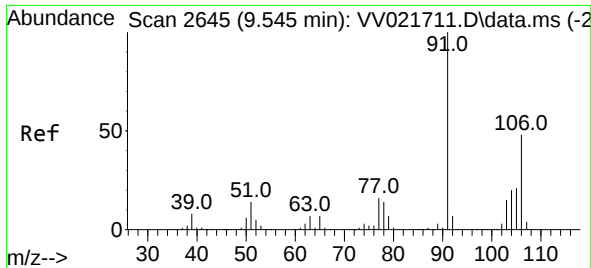
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#53
m,p-Xylene
Concen: 2.089 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion: 106 Resp: 9912
Ion Ratio Lower Upper
106 100
91 186.3 138.9 258.1





#54
o-Xylene
Concen: 1.841 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

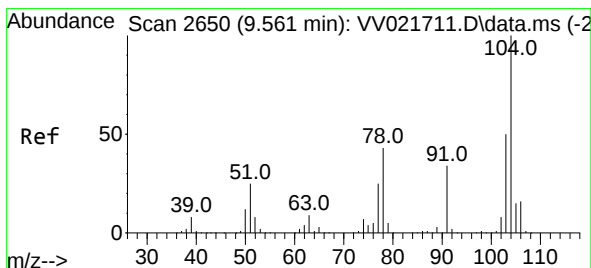
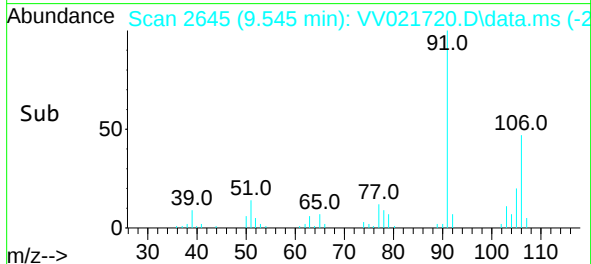
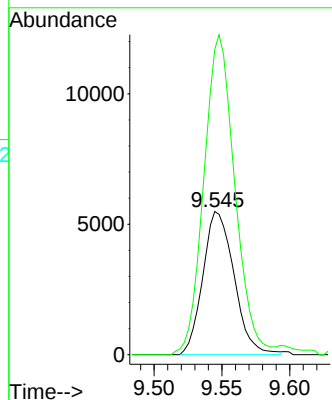
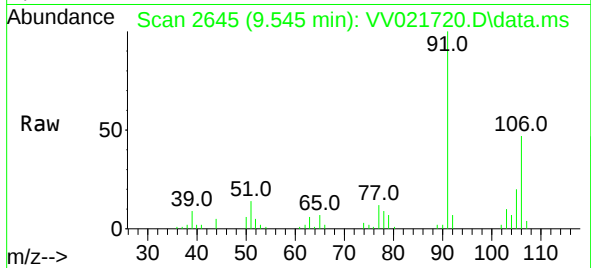
Tgt Ion:106 Resp: 8791
Ion Ratio Lower Upper
106 100
91 213.3 147.4 273.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

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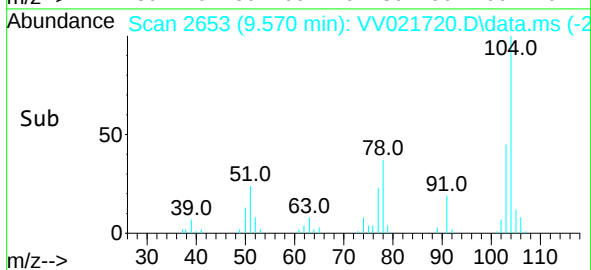
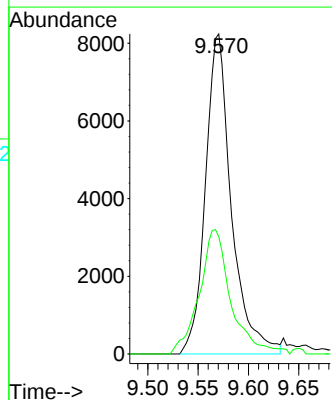
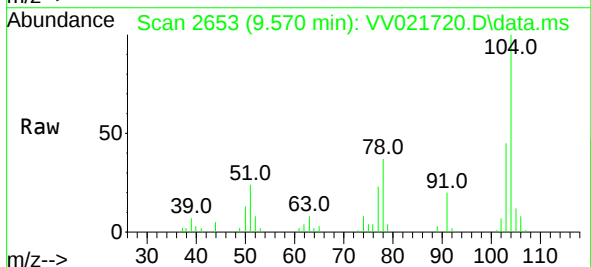
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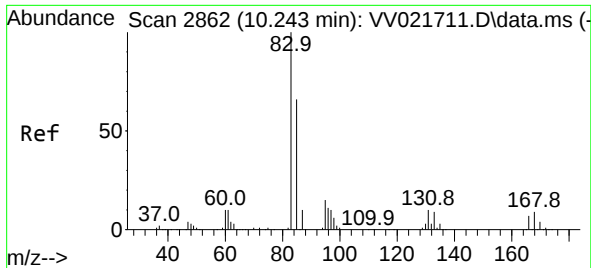
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#55
Styrene
Concen: 1.850 ug/L
RT: 9.570 min Scan# 2653
Delta R.T. 0.009 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:104 Resp: 14796
Ion Ratio Lower Upper
104 100
78 36.7 30.0 55.8





#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.209 ug/L
 RT: 10.242 min Scan# 2862
 Delta R.T. -0.000 min
 Lab File: VV021720.D
 Acq: 02 Aug 2021 15:35

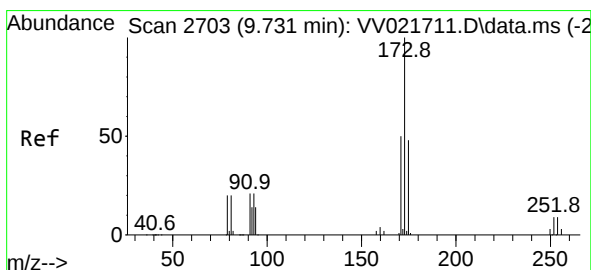
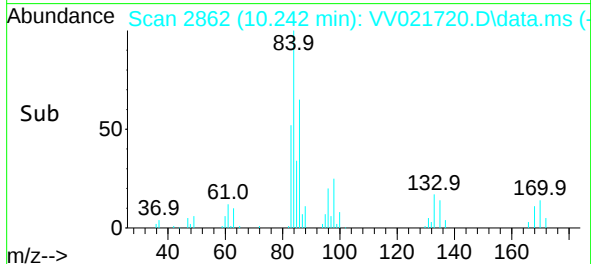
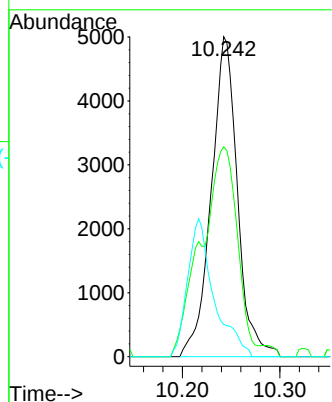
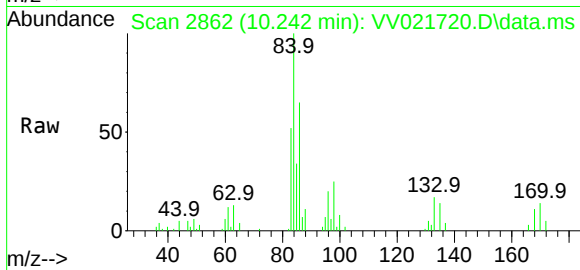
Tgt Ion:	83	Resp:	9344
Ion	Ratio	Lower	Upper
83	100		
85	65.6	46.0	85.4
131	10.0	8.1	12.1

Instrument :
 MSVOA_V
 ClientSampleId :
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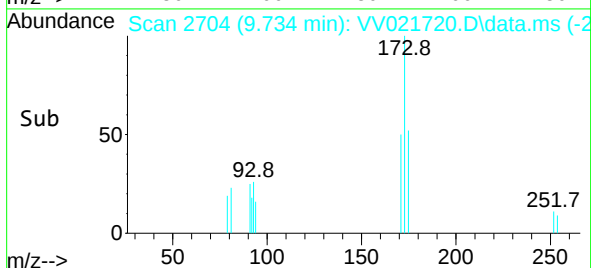
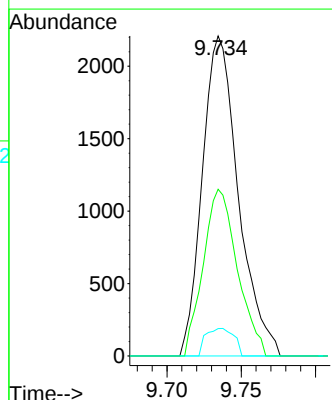
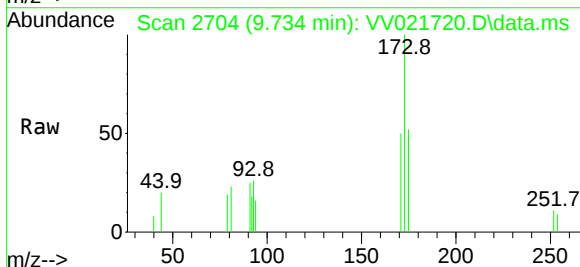
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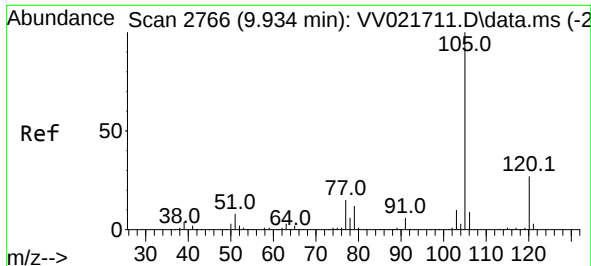
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#59
 Bromoform
 Concen: 1.678 ug/L
 RT: 9.734 min Scan# 2704
 Delta R.T. 0.003 min
 Lab File: VV021720.D
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Tgt Ion:	173	Resp:	3724
Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
254	6.7	7.2	10.8#





#60
Isopropylbenzene
Concen: 2.028 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

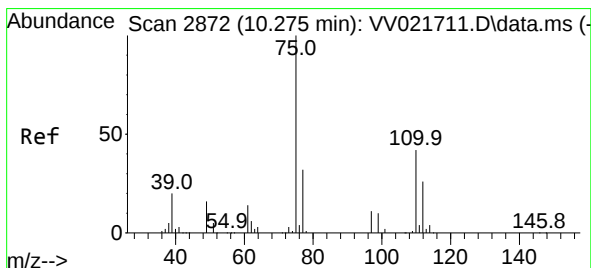
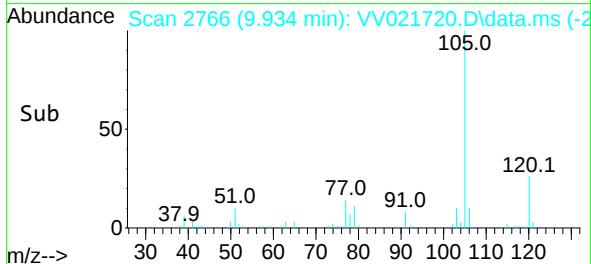
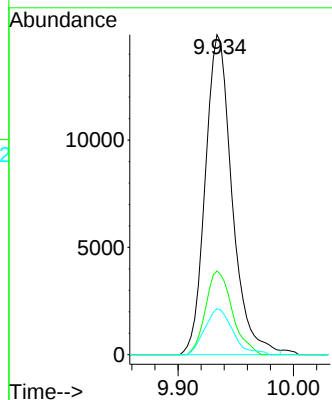
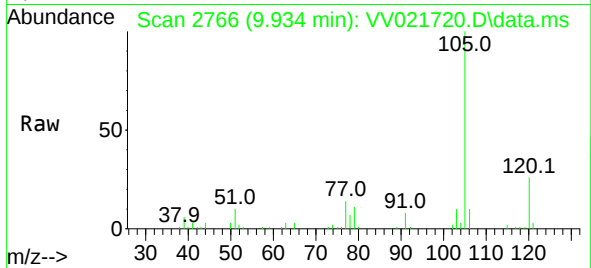
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.5	32.3
77	15.0	11.8	17.8

Instrument :
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ClientSampleId :
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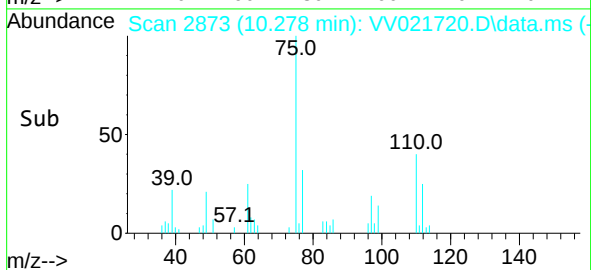
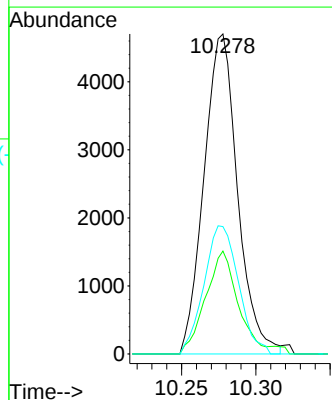
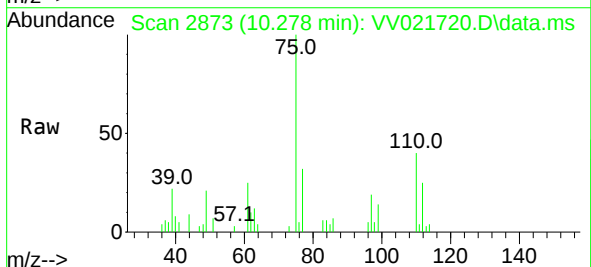
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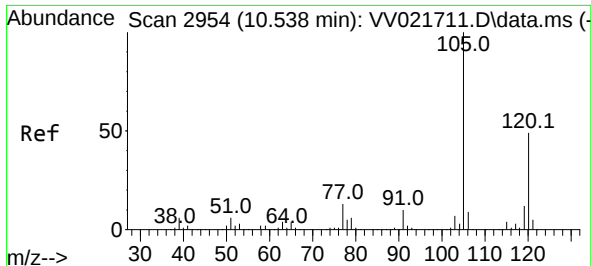
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#61
1,2,3-Trichloropropane
Concen: 2.169 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
110	41.2	33.8	50.6





#62

1,3,5-Trimethylbenzene

Concen: 1.981 ug/L

RT: 10.541 min Scan# 2955

Delta R.T. 0.003 min

Lab File: VV021720.D

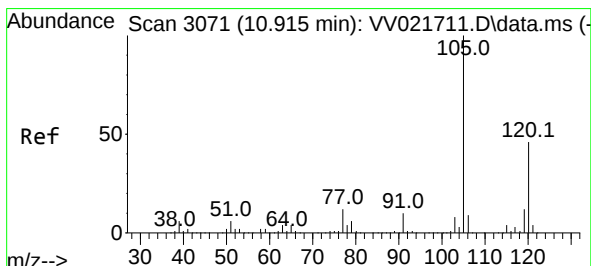
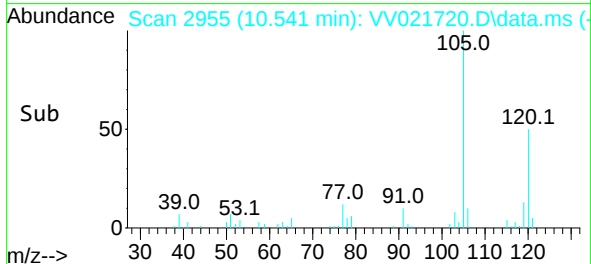
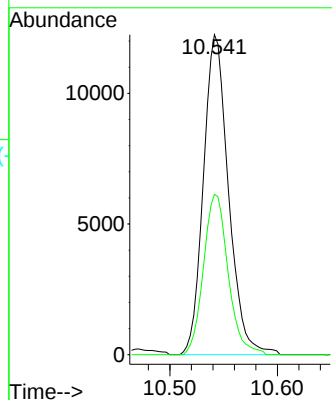
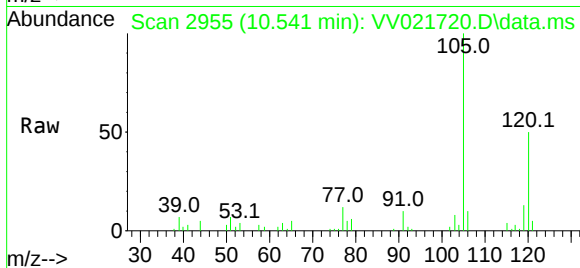
Acq: 02 Aug 2021 15:35

Tgt Ion:105 Resp: 19884

Ion Ratio Lower Upper

105 100

120 49.2 39.8 59.6



#63

1,2,4-Trimethylbenzene

Concen: 2.008 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV021720.D

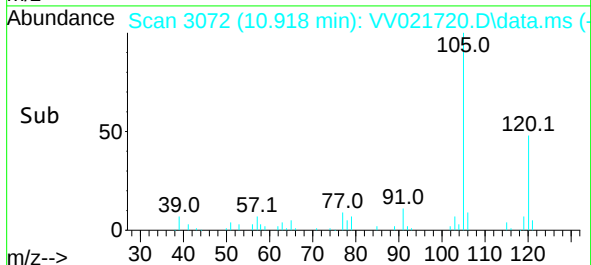
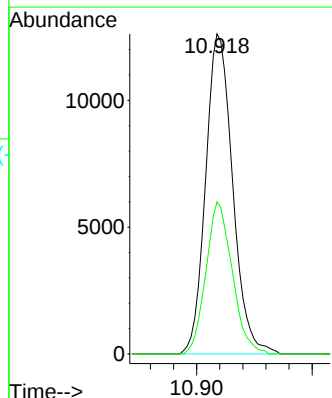
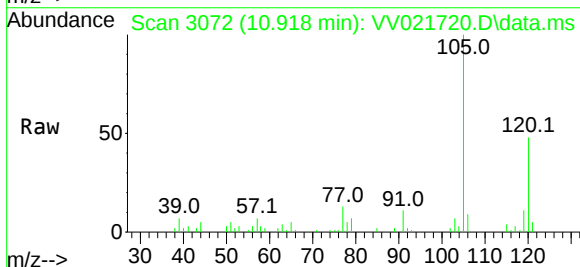
Acq: 02 Aug 2021 15:35

Tgt Ion:105 Resp: 20514

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6



Instrument :

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ClientSampleId :

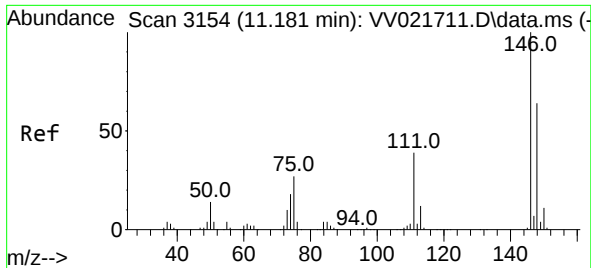
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#64
1,3-Dichlorobenzene
Concen: 2.043 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

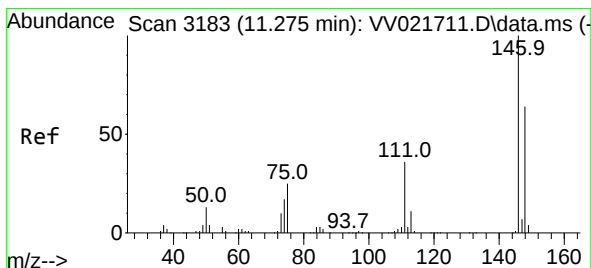
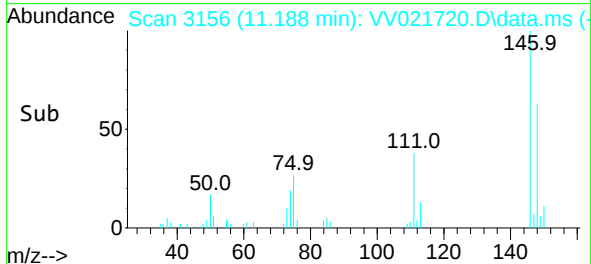
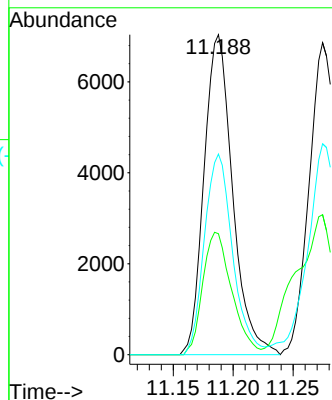
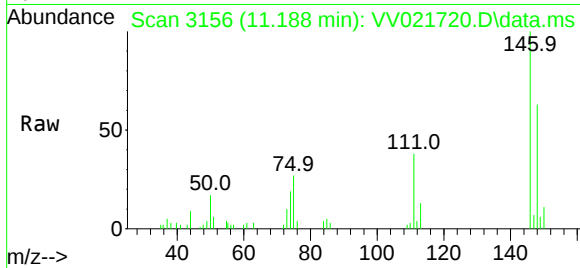
Tgt Ion:146 Resp: 11667
Ion Ratio Lower Upper
146 100
111 37.8 27.3 50.7
148 62.7 44.4 82.5

Instrument :
MSVOA_V
ClientSampleId :
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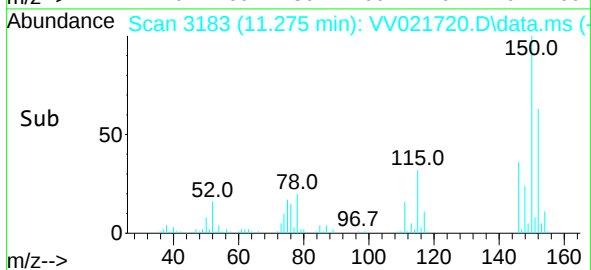
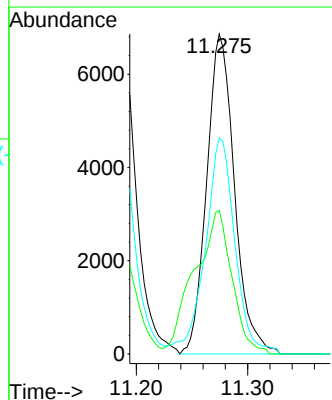
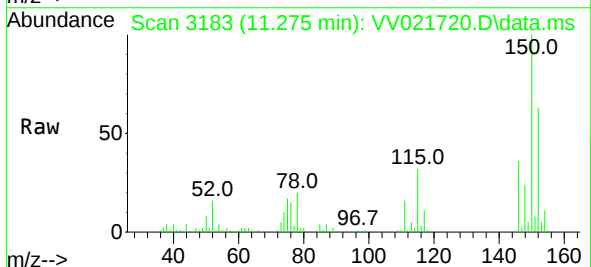
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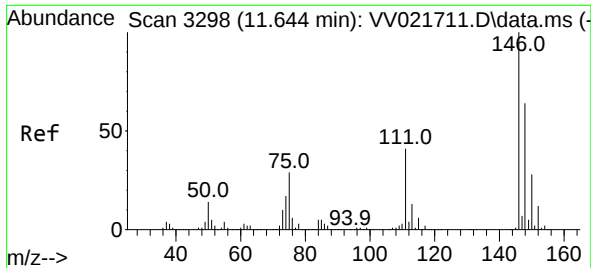
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#65
1,4-Dichlorobenzene
Concen: 2.068 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:146 Resp: 11887
Ion Ratio Lower Upper
146 100
111 44.9 25.6 47.4
148 67.6 44.7 82.9





#67
1,2-Dichlorobenzene
Concen: 2.080 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

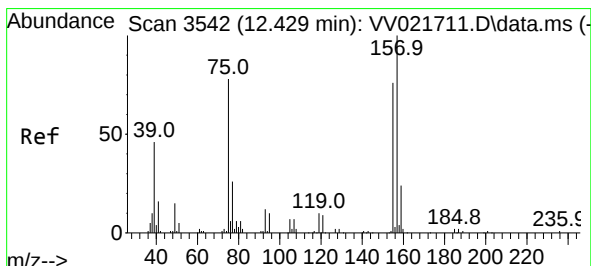
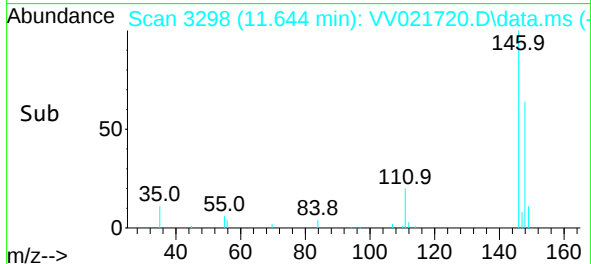
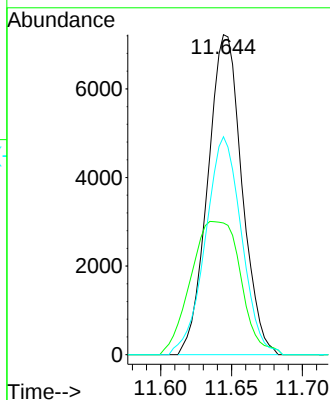
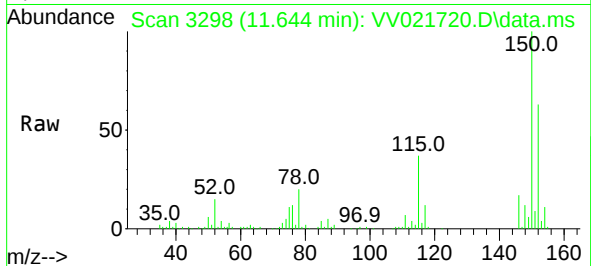
Tgt Ion:	146	Resp:	12136
Ion Ratio	Lower	Upper	
146	100		
111	41.2	32.5	48.7
148	68.1	51.5	77.3

Instrument :
MSVOA_V
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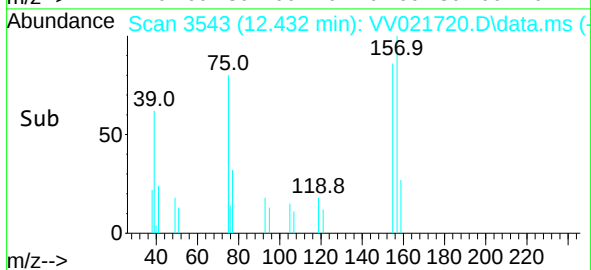
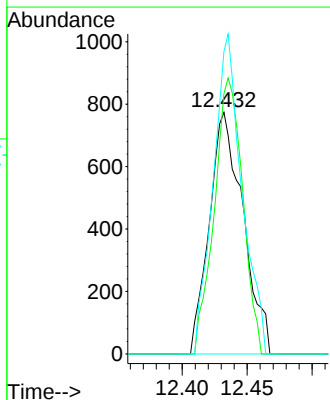
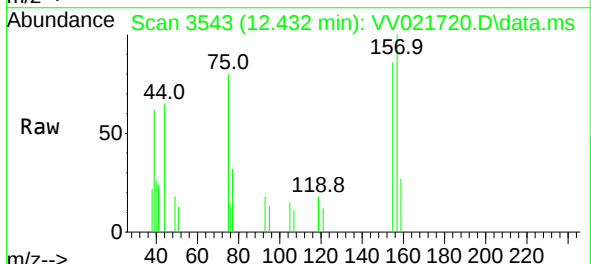
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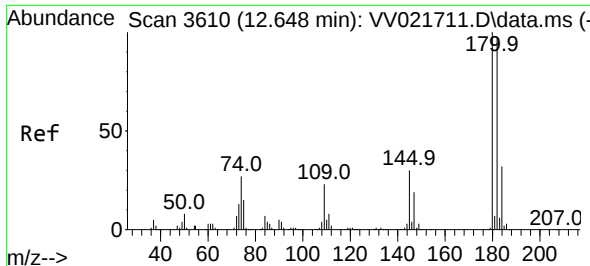
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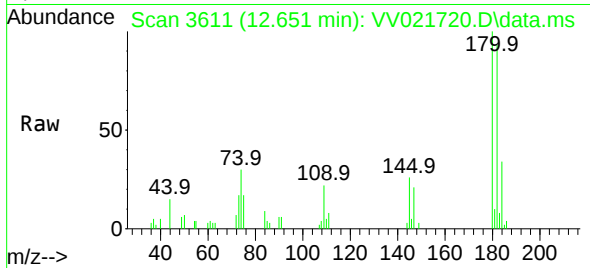
#68
1,2-Dibromo-3-chloropropane
Concen: 1.556 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35

Tgt Ion:	75	Resp:	1397
Ion Ratio	Lower	Upper	
75	100		
155	107.8	77.7	116.5
157	125.2	102.6	154.0

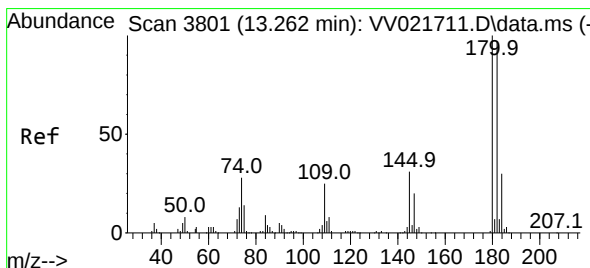
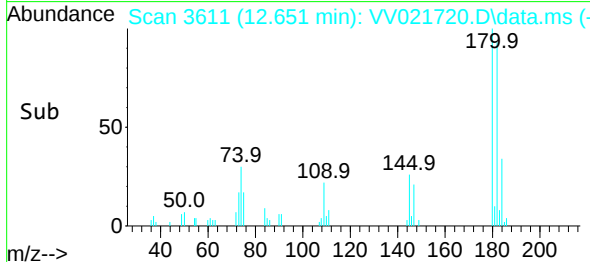
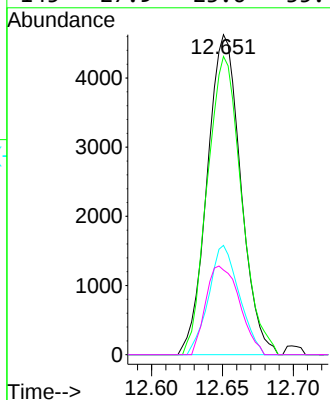




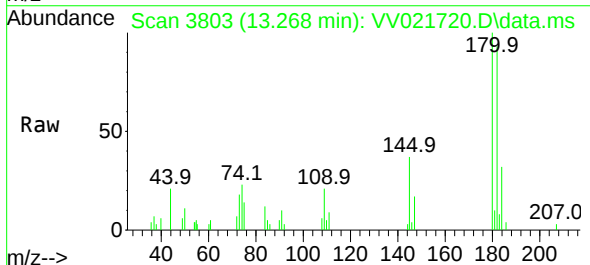
#69
1,3,5-Trichlorobenzene
Concen: 1.791 ug/L
RT: 12.651 min Scan# 3611
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



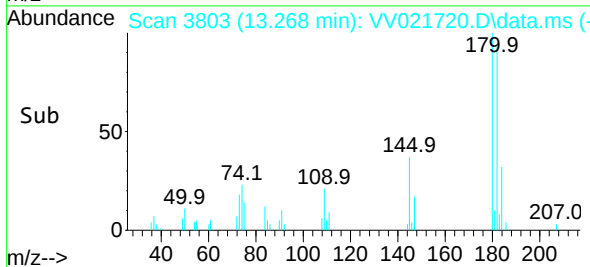
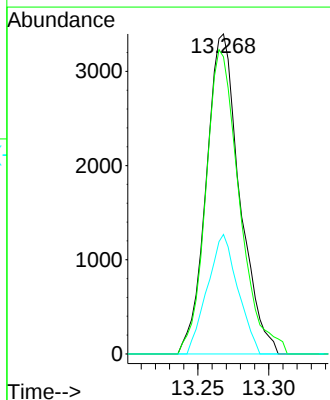
Tgt Ion:180 Resp: 7611
Ion Ratio Lower Upper
180 100
182 94.6 77.1 115.7
184 31.1 24.6 36.8
145 27.9 23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 1.555 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion:180 Resp: 5573
Ion Ratio Lower Upper
180 100
182 95.3 76.3 114.5
145 33.9 24.1 36.1

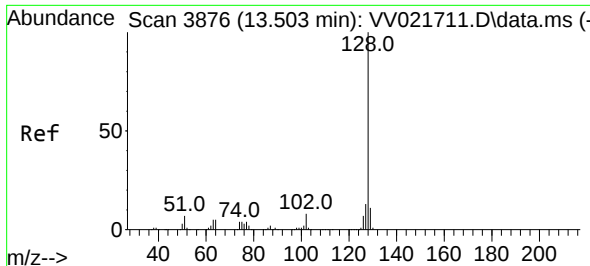


Instrument :
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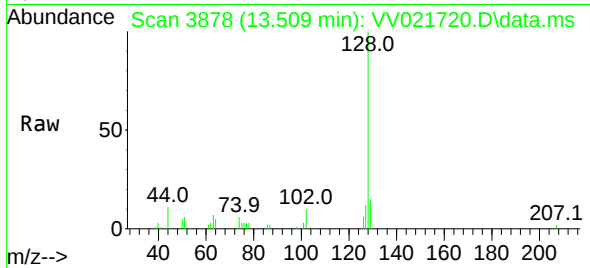
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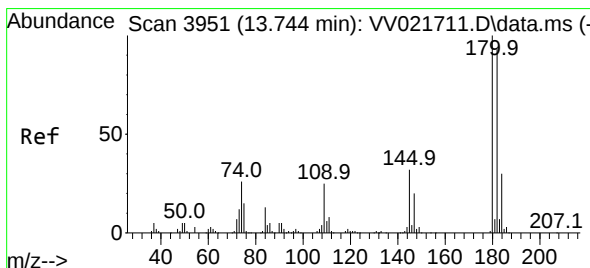
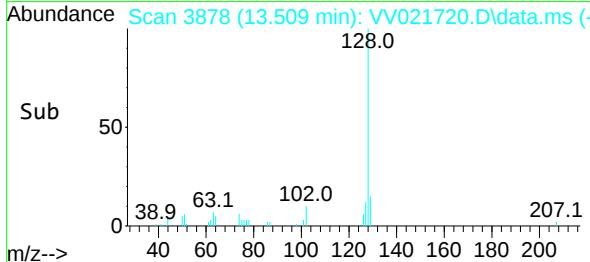
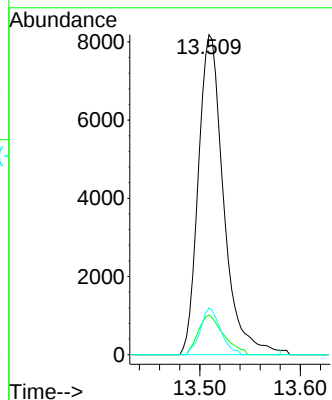
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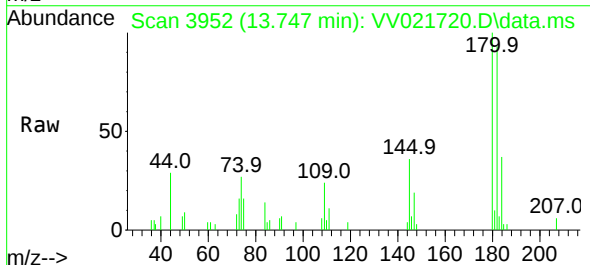
#71
Naphthalene
Concen: 1.374 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.006 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



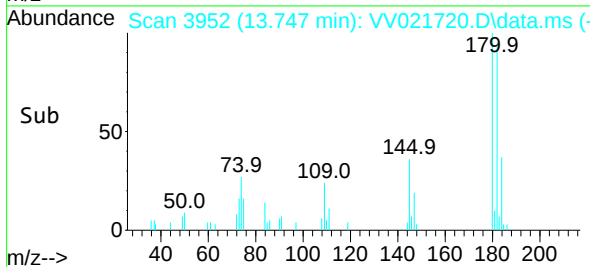
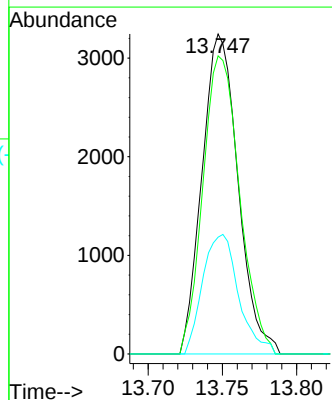
Tgt Ion:128 Resp: 14257
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 11.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.532 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VV021720.D
Acq: 02 Aug 2021 15:35



Tgt Ion:180 Resp: 5456
Ion Ratio Lower Upper
180 100
182 95.1 76.8 115.2
145 37.0 25.5 38.3



Instrument :
MSVOA_V
ClientSampleId :
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