

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100521\
 Data File : VW022576.D
 Acq On : 05 Oct 2021 15:26
 Operator : SY/MD
 Sample : M4052-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 05:28:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 06 05:22:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	94286	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	92253	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	42287	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	15002	4.966	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.565	69	22655	5.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.200%
11) 1,1-Dichloroethene-d2	2.105	63	31075	3.545	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	3.896	46	96006	53.763	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.520%
24) Chloroform-d	4.352	84	55005	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.037	65	29051	5.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.053	84	98164	4.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.072	67	34858	4.753	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.317	98	75547	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.629	79	8065	4.155	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.092	63	61844	51.458	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.920%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27191	4.879	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	34394	5.258	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	3649	0.503	ug/L	95
8) Chloroethane	1.307	64	1398	0.303	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6441	1.032	ug/L	98
12) 1,1-Dichloroethene	2.114	96	4020	0.696	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	23017	1.568	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	1338	0.213	ug/L	92
19) 1,1-Dichloroethane	3.198	63	2508	0.222	ug/L	87
22) cis-1,2-Dichloroethene	3.912	96	150873	22.091	ug/L	95
34) Trichloroethene	5.915	95	103697	14.352	ug/L	98
35) Methylcyclohexane	6.072	83	8146	0.805	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	3908	0.644	ug/L #	84
42) Toluene	7.400	91	1961	0.075	ug/L	97
47) Tetrachloroethene	7.979	164	19075	3.395	ug/L	97
48) 2-Hexanone	8.146	43	8395	3.493	ug/L #	87
49) Dibromochloromethane	7.976	129	16103	3.015	ug/L #	12
61) 1,2,3-Trichloropropane	11.249	75	4674	1.491	ug/L #	63
65) 1,4-Dichlorobenzene	11.275	146	729	0.061	ug/L #	72
67) 1,2-Dichlorobenzene	11.648	146	3590	0.331	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 06 05:22:36 2021
Response via : Initial Calibration

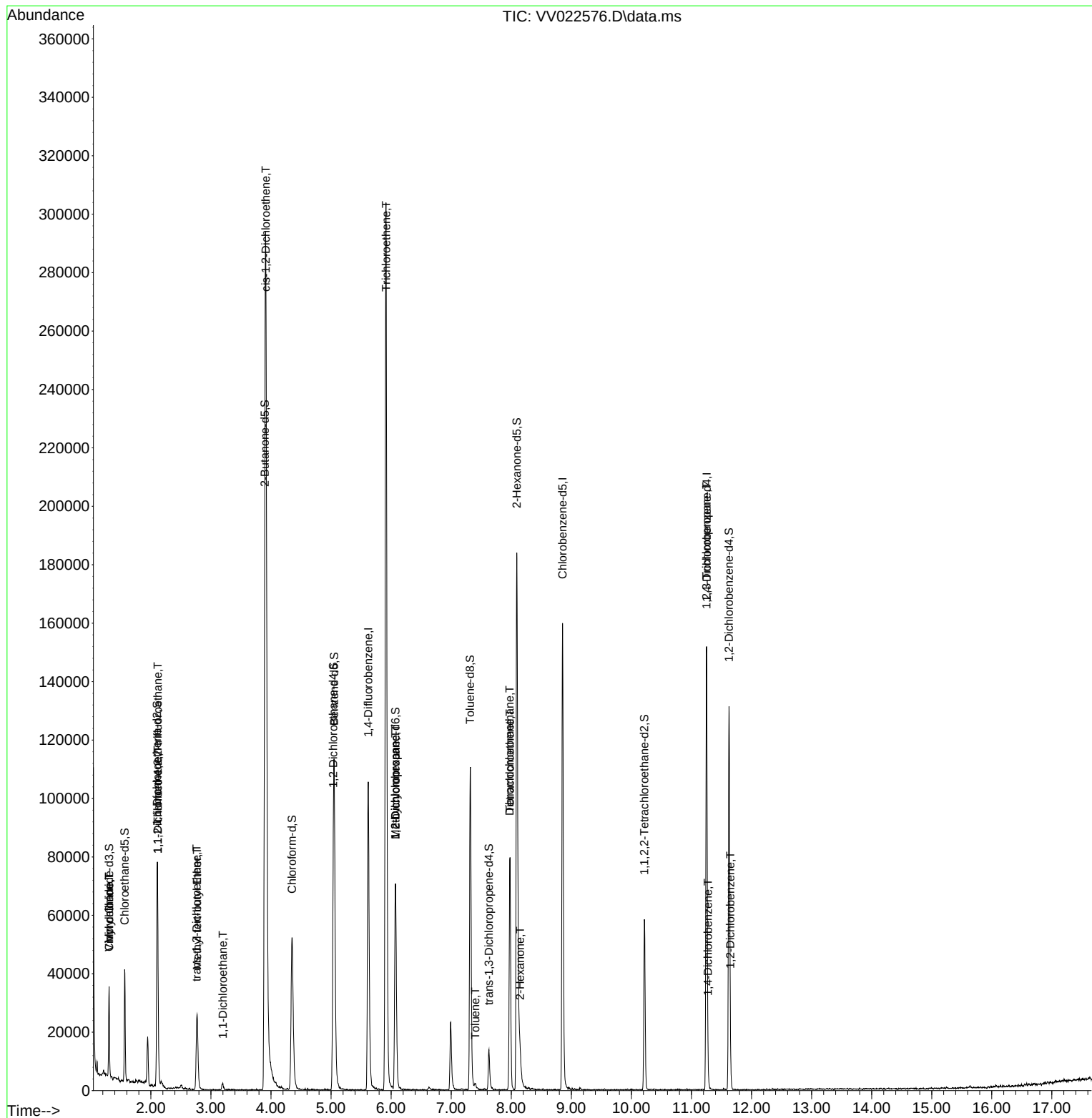
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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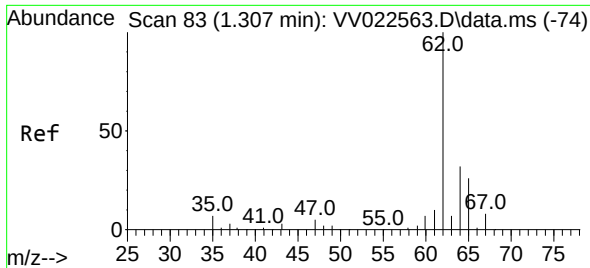
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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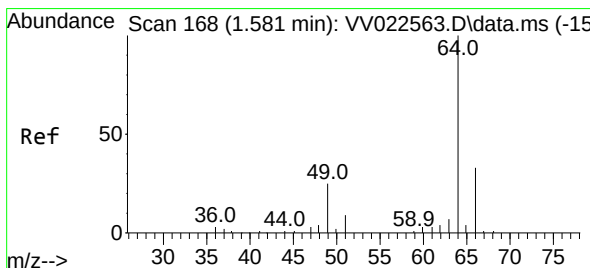
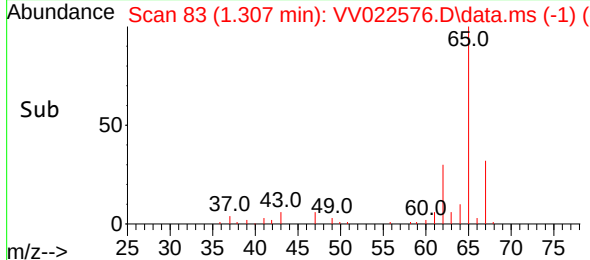
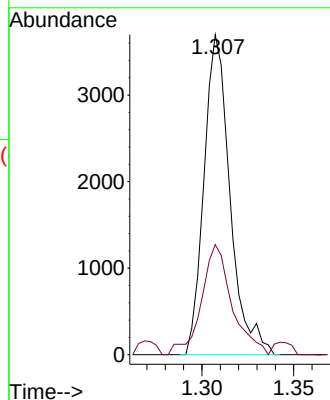
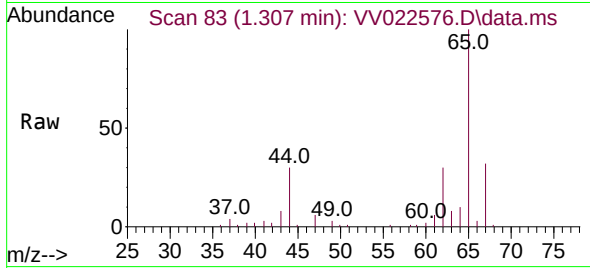




#5
 Vinyl chloride
 Concen: 0.503 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV022576.D
 Acq: 05 Oct 2021 15:26

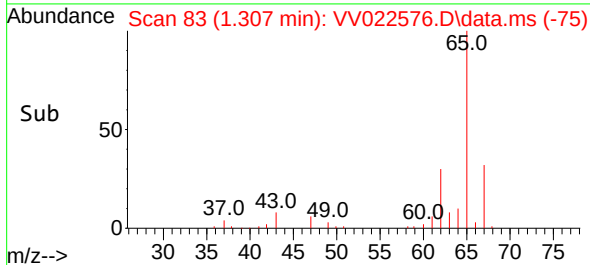
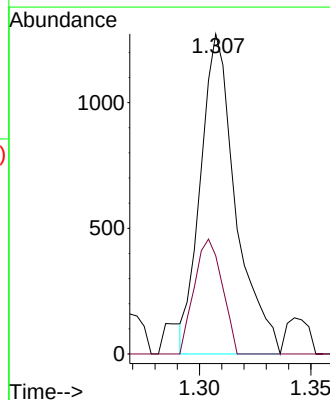
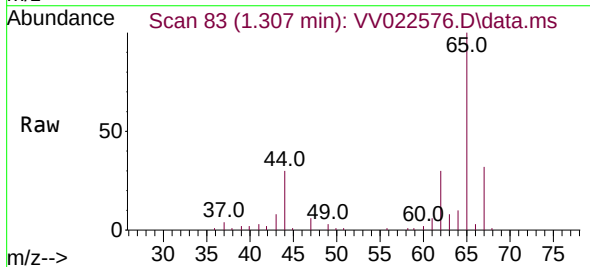
Instrument :
 MSVOA_V
 ClientSampled :

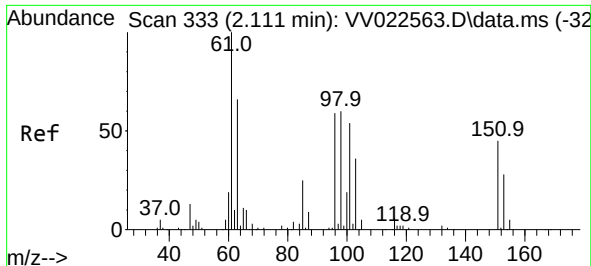
Tgt Ion: 62 Resp: 3649
 Ion Ratio Lower Upper
 62 100
 64 34.4 22.3 41.5



#8
 Chloroethane
 Concen: 0.303 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.273 min
 Lab File: VV022576.D
 Acq: 05 Oct 2021 15:26

Tgt Ion: 64 Resp: 1398
 Ion Ratio Lower Upper
 64 100
 66 30.7 23.2 43.0

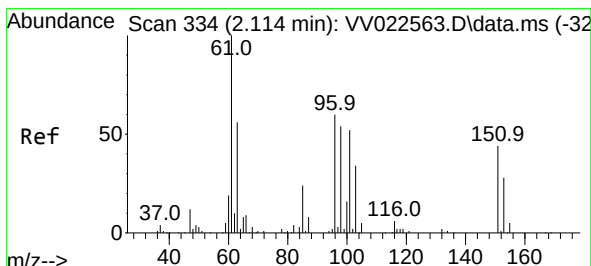
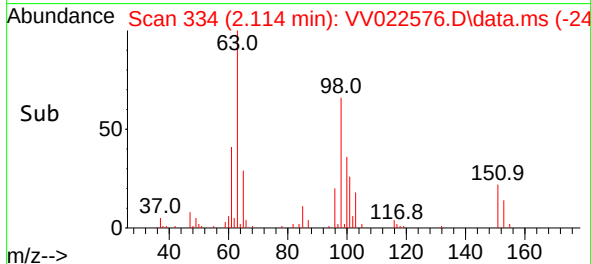
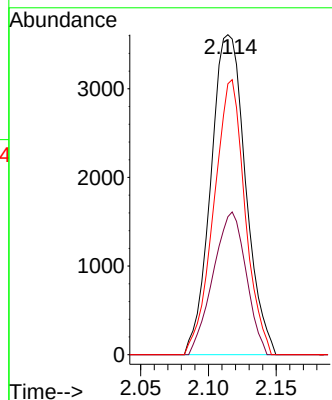
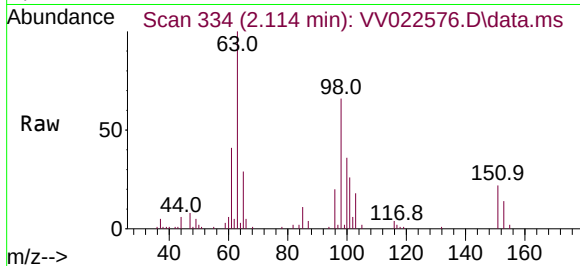




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.032 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

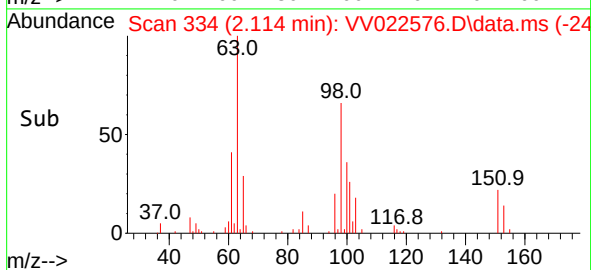
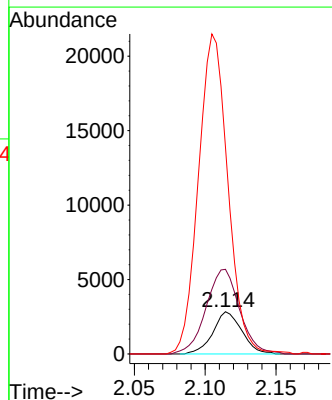
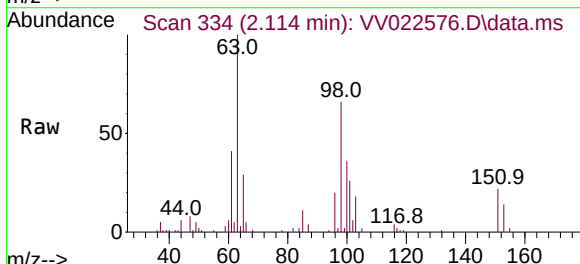
Instrument :
MSVOA_V
ClientSampled :

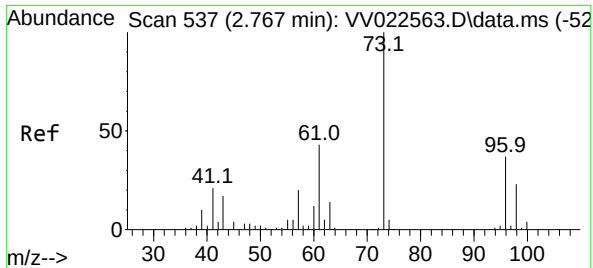
Tgt Ion:101 Resp: 6441
Ion Ratio Lower Upper
101 100
85 42.2 35.8 53.6
151 77.1 61.9 92.9



#12
1,1-Dichloroethene
Concen: 0.696 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

Tgt Ion: 96 Resp: 4020
Ion Ratio Lower Upper
96 100
61 200.5 113.2 210.2
63 489.7 66.6 123.8#

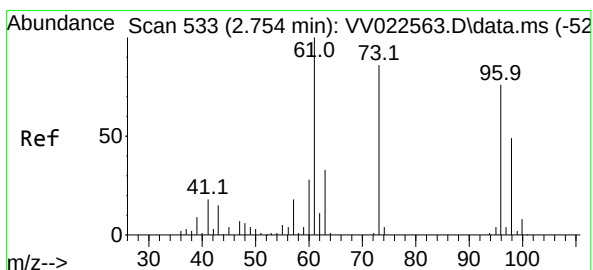
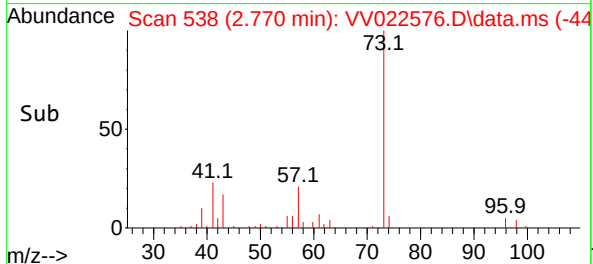
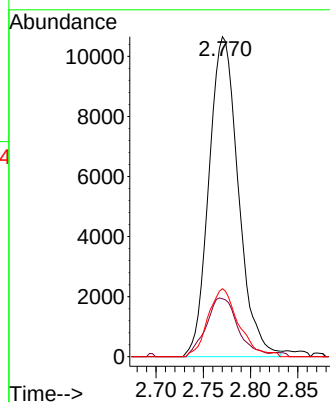
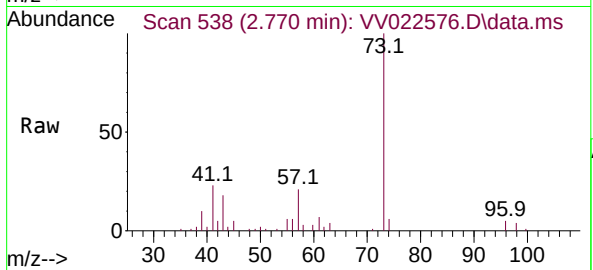




#17
Methyl tert-butyl Ether
Concen: 1.568 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

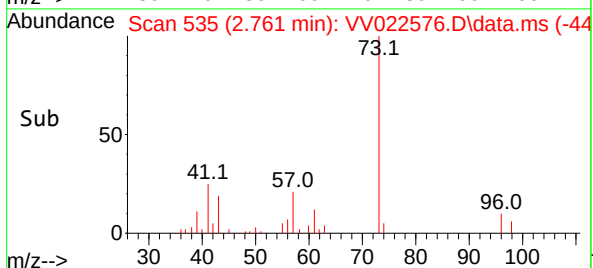
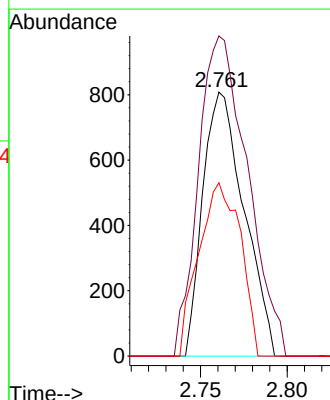
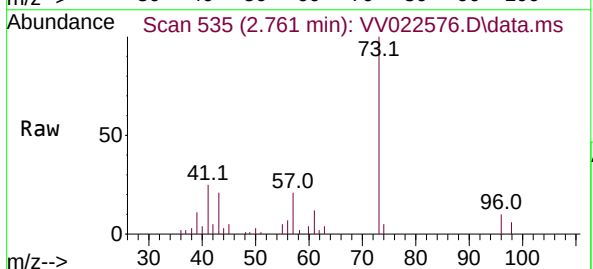
Instrument :
MSVOA_V
ClientSampled :

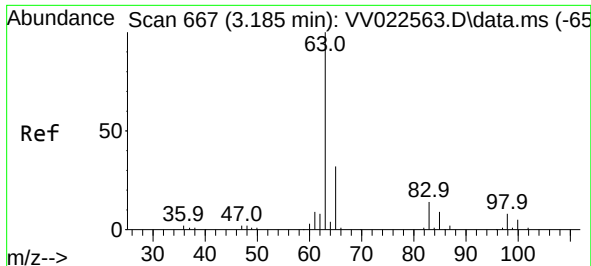
Tgt Ion: 73 Resp: 23017
Ion Ratio Lower Upper
73 100
43 19.8 16.3 24.5
57 22.1 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

Tgt Ion: 96 Resp: 1338
Ion Ratio Lower Upper
96 100
61 121.3 94.0 174.6
98 65.7 44.9 83.3





#19

1,1-Dichloroethane

Concen: 0.222 ug/L

RT: 3.198 min Scan# 671

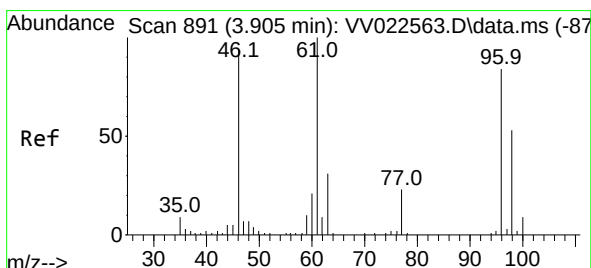
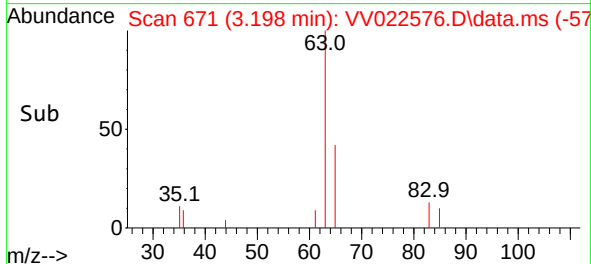
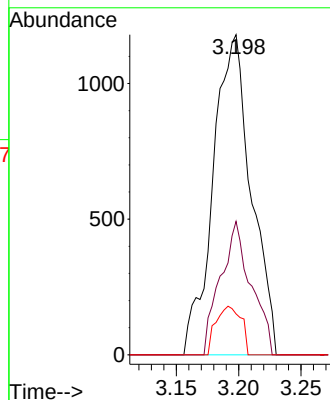
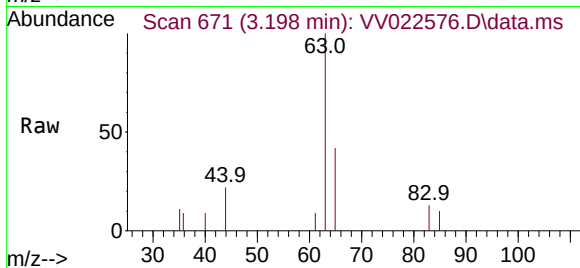
Delta R.T. 0.013 min

Lab File: VV022576.D

Acq: 05 Oct 2021 15:26

Tgt Ion: 63 Resp: 2508

Ion	Ratio	Lower	Upper
63	100		
65	41.7	22.8	42.4
83	12.8	10.2	19.0



#22

cis-1,2-Dichloroethene

Concen: 22.091 ug/L

RT: 3.912 min Scan# 893

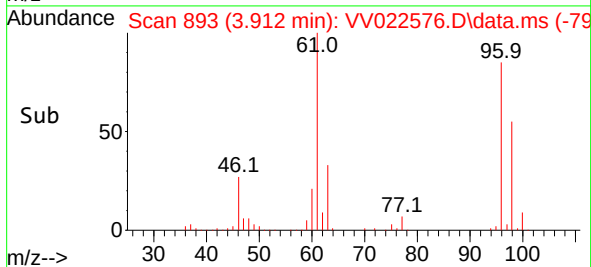
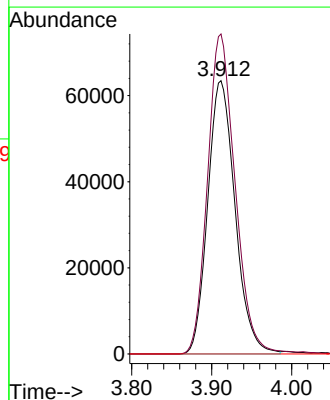
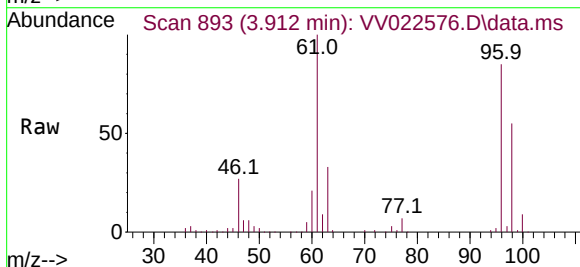
Delta R.T. 0.006 min

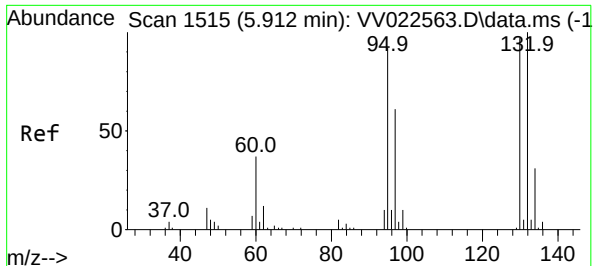
Lab File: VV022576.D

Acq: 05 Oct 2021 15:26

Tgt Ion: 96 Resp: 150873

Ion	Ratio	Lower	Upper
96	100		
61	117.1	85.6	159.0
68	0.0	0.0	0.0





#34

Trichloroethene

Concen: 14.352 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV022576.D

Acq: 05 Oct 2021 15:26

Tgt Ion: 95 Resp: 103697

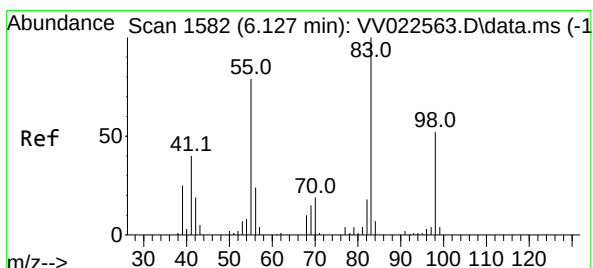
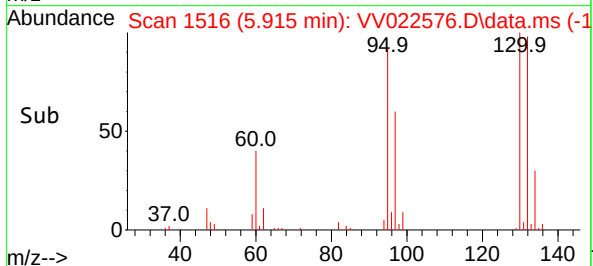
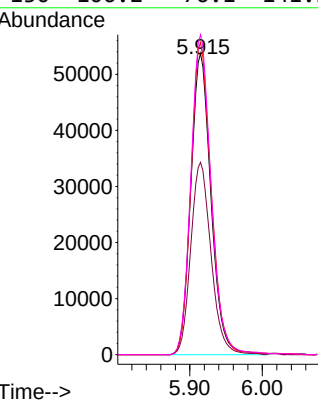
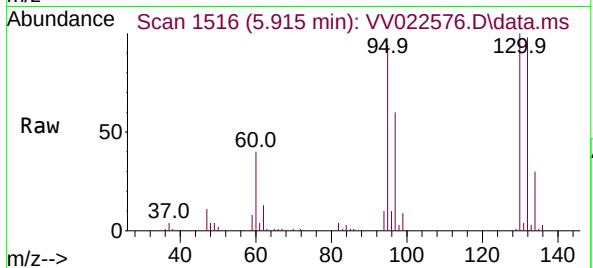
Ion Ratio Lower Upper

95 100

97 63.9 46.5 86.5

132 103.6 73.0 135.6

130 106.2 76.1 141.3



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV022576.D

Acq: 05 Oct 2021 15:26

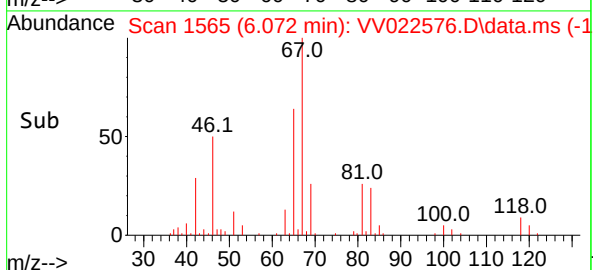
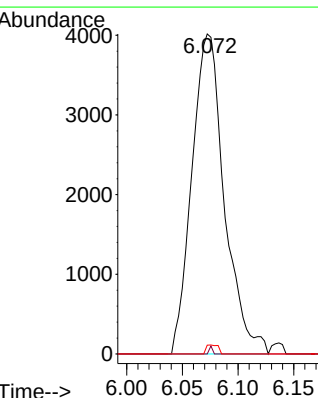
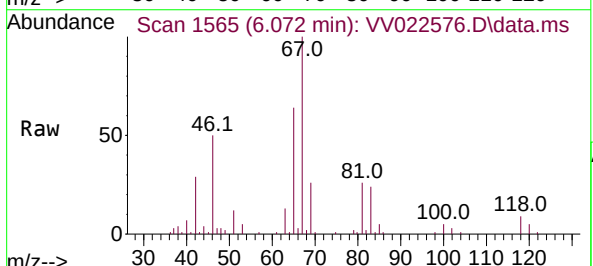
Tgt Ion: 83 Resp: 8146

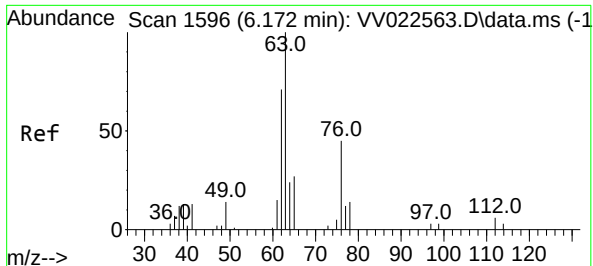
Ion Ratio Lower Upper

83 100

55 0.2 57.8 86.8#

98 0.0 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.644 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV022576.D

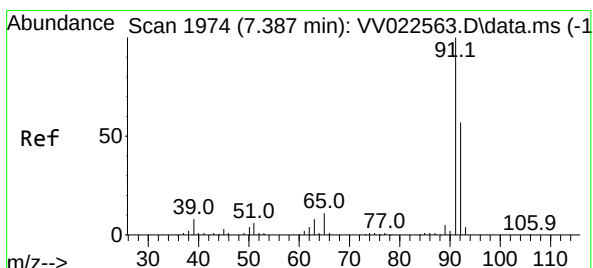
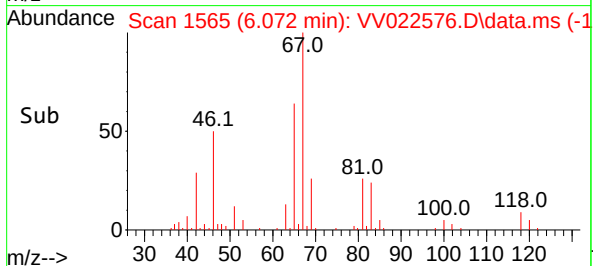
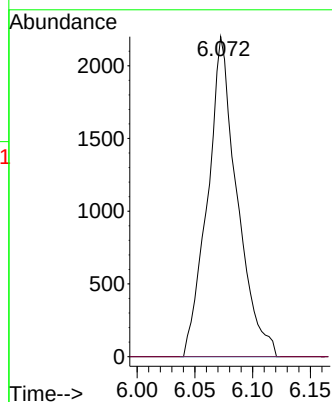
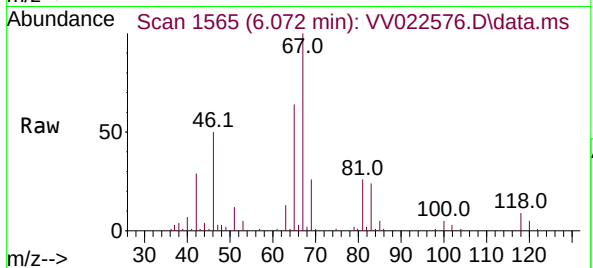
Acq: 05 Oct 2021 15:26

Tgt Ion: 63 Resp: 3908

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#42

Toluene

Concen: 0.075 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV022576.D

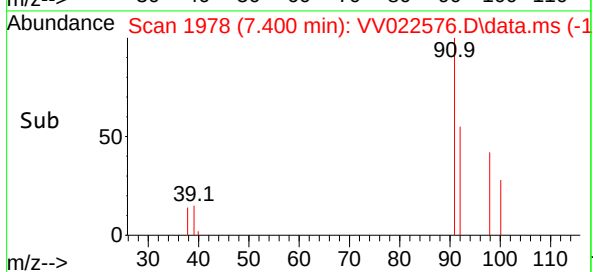
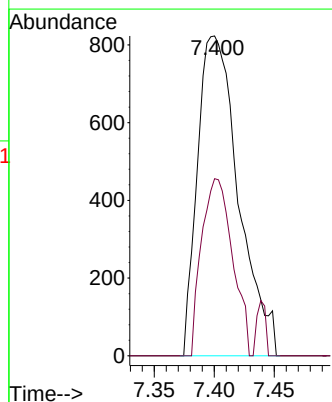
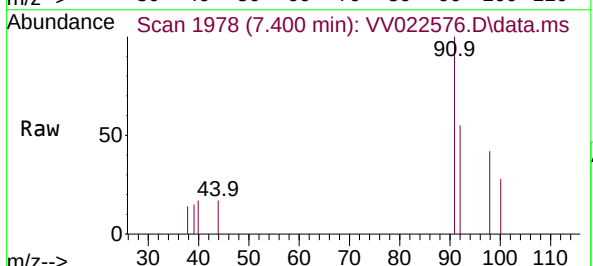
Acq: 05 Oct 2021 15:26

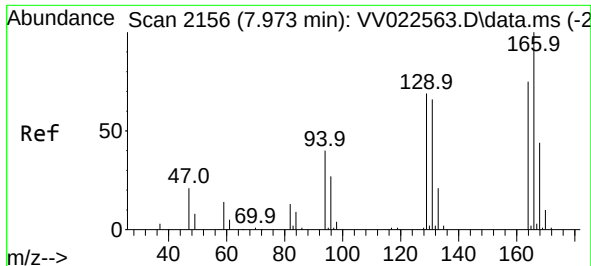
Tgt Ion: 91 Resp: 1961

Ion Ratio Lower Upper

91 100

92 55.4 40.5 75.3

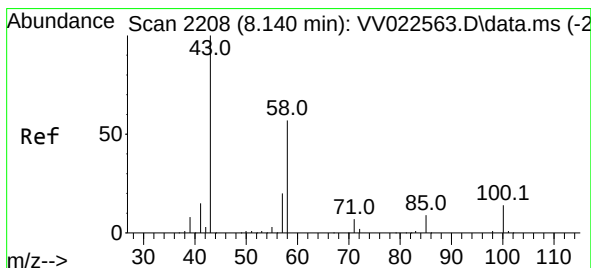
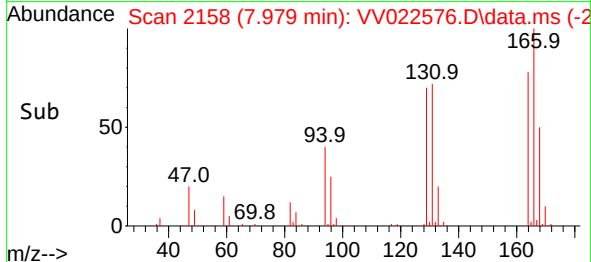
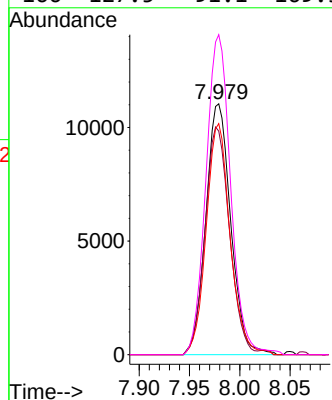
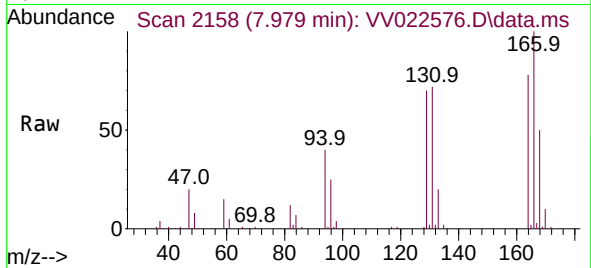




#47
Tetrachloroethene
Concen: 3.395 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

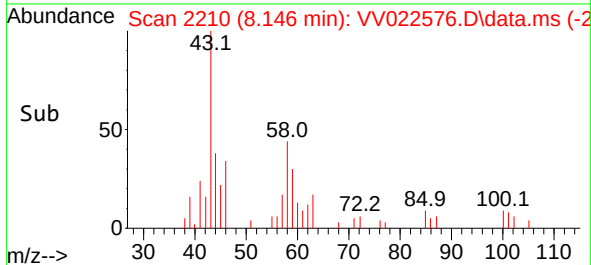
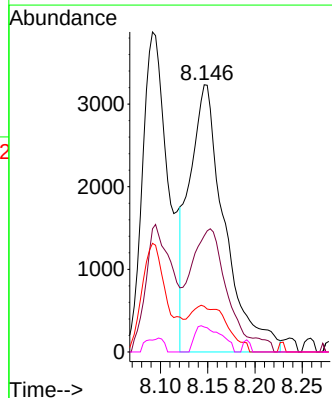
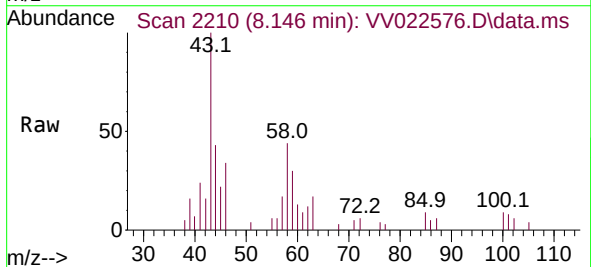
Instrument :
MSVOA_V
ClientSampleId :

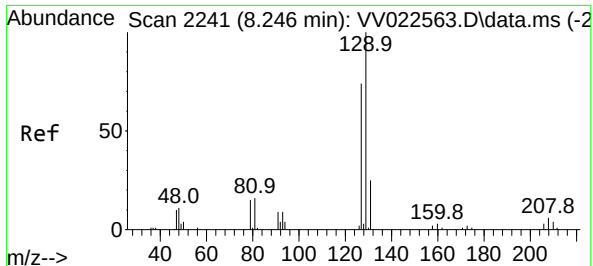
Tgt Ion:164 Resp: 19075
Ion Ratio Lower Upper
164 100
129 89.0 65.5 121.6
131 92.0 62.4 116.0
166 127.5 91.1 169.3



#48
2-Hexanone
Concen: 3.493 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

Tgt Ion: 43 Resp: 8395
Ion Ratio Lower Upper
43 100
58 47.5 46.4 69.6
57 17.7 16.3 24.5
100 7.2 11.0 16.6#





#49

Dibromochloromethane

Concen: 3.015 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV022576.D

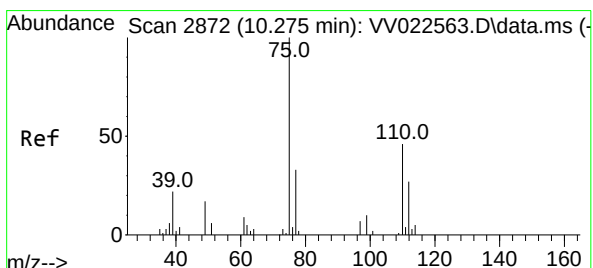
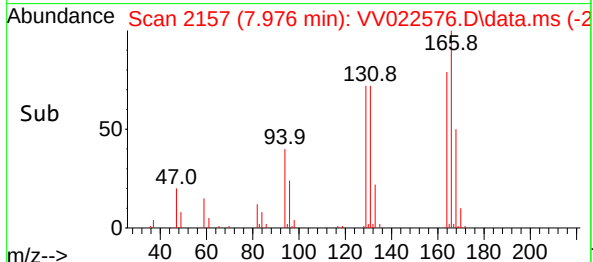
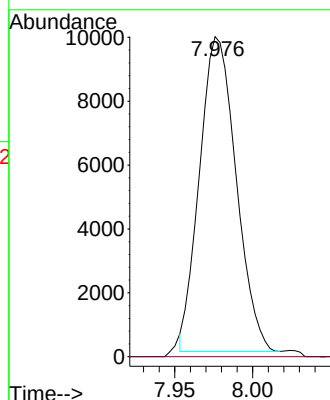
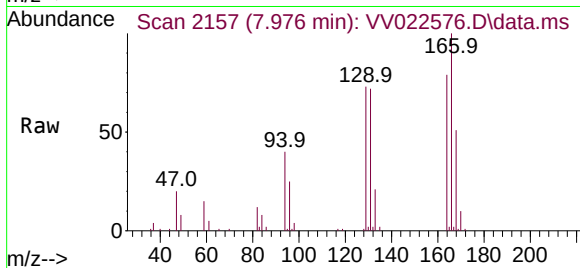
Acq: 05 Oct 2021 15:26

Tgt Ion:129 Resp: 16103

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



#61

1,2,3-Trichloropropane

Concen: 1.491 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022576.D

Acq: 05 Oct 2021 15:26

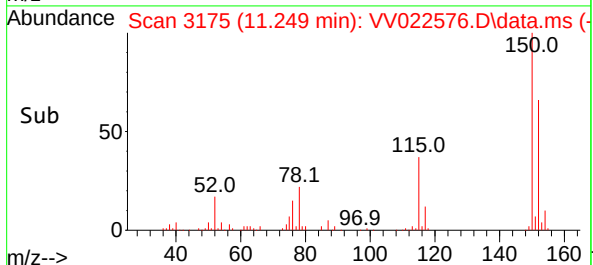
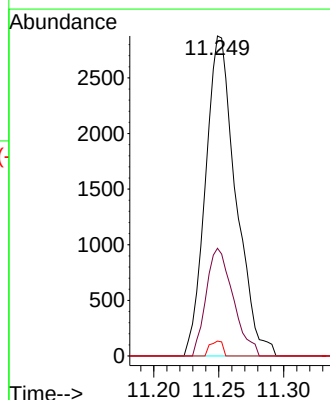
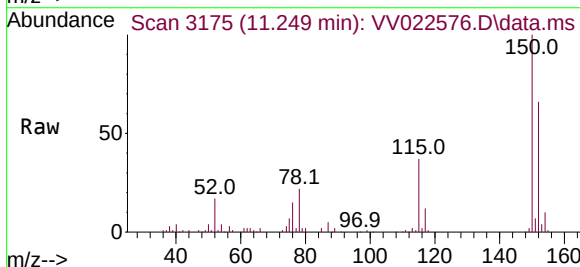
Tgt Ion: 75 Resp: 4674

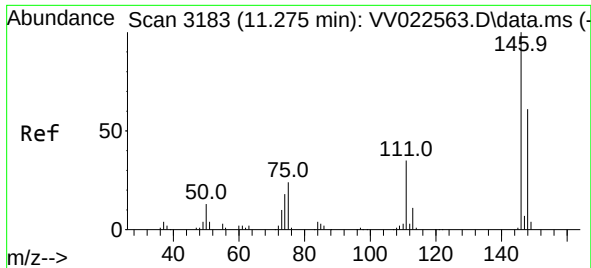
Ion Ratio Lower Upper

75 100

77 29.9 26.1 39.1

110 2.0 33.0 49.6#

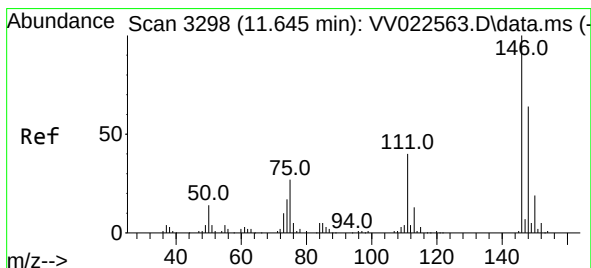
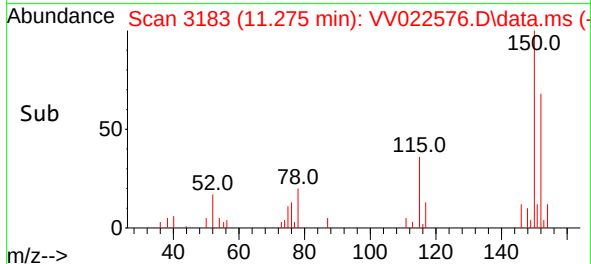
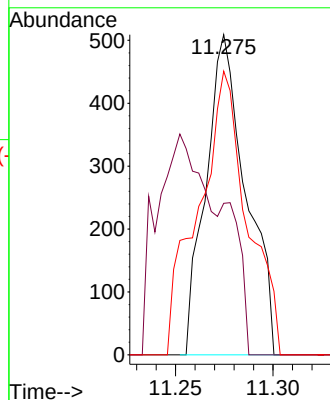
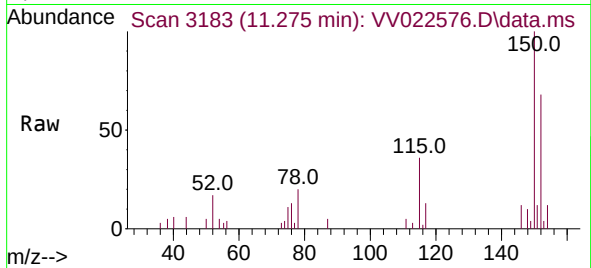




#65
1,4-Dichlorobenzene
Concen: 0.061 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 729
Ion Ratio Lower Upper
146 100
111 47.3 24.5 45.5#
148 88.6 45.0 83.6#



#67
1,2-Dichlorobenzene
Concen: 0.331 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022576.D
Acq: 05 Oct 2021 15:26

Tgt Ion:146 Resp: 3590
Ion Ratio Lower Upper
146 100
111 41.4 31.6 47.4
148 62.5 49.0 73.6

