

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022624\
 Data File : VW034431.D
 Acq On : 27 Feb 2024 00:43
 Operator : SY/MD
 Sample : P1535-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 27 05:11:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 27 05:05:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	141508	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	133351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	69773	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37151	4.523	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.400%	
7) Chloroethane-d5	1.532	69	33795	4.658	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	93.200%	
11) 1,1-Dichloroethene-d2	2.059	65	17321	4.530	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.600%	
20) 2-Butanone-d5	3.802	46	110776	51.579	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	103.160%	
24) Chloroform-d	4.252	84	78276	4.746	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.000%	
26) 1,2-Dichloroethane-d4	4.947	65	43819	5.221	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.400%	
32) Benzene-d6	4.963	84	144048	4.802	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
36) 1,2-Dichloropropane-d6	5.992	67	45049	5.029	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.600%	
41) Toluene-d8	7.246	98	126655	4.708	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	94.200%	
43) trans-1,3-Dichloroprop...	7.561	79	14240	4.267	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.400%	
46) 2-Hexanone-d5	8.024	63	104127	55.187	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	110.380%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	37681	5.315	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.200%	
66) 1,2-Dichlorobenzene-d4	11.561	152	52866	4.987	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.800%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	20494	1.955	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	23332	2.535	ug/L	99
12) 1,1-Dichloroethene	2.069	96	23664	2.670	ug/L	86
16) Methylene chloride	2.449	84	33997	3.359	ug/L	97
17) Methyl tert-butyl Ether	2.699	73	2161	0.094	ug/L #	1
18) trans-1,2-Dichloroethene	2.693	96	88079	9.773	ug/L	97
19) 1,1-Dichloroethane	3.117	63	21671	1.249	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	97642	9.853	ug/L	95
25) Chloroform	4.281	83	5892	0.327	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	3018	0.181	ug/L	95
34) Trichloroethene	5.831	95	795456	82.536	ug/L	99
37) 1,2-Dichloropropane	5.989	63	5666	0.621	ug/L #	87
42) Toluene	7.329	91	7327	0.189	ug/L	100
47) Tetrachloroethene	7.905	164	65604	8.677	ug/L	95
48) 2-Hexanone	8.027	43	12152	3.023	ug/L #	71
49) Dibromochloromethane	7.905	129	59502	8.236	ug/L #	11
52) Ethylbenzene	8.953	91	14910	0.341	ug/L	91
53) m,p-Xylene	9.075	106	22995	1.417	ug/L	92
54) o-Xylene	9.480	106	26168	1.615	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 27 05:05:59 2024
Response via : Initial Calibration

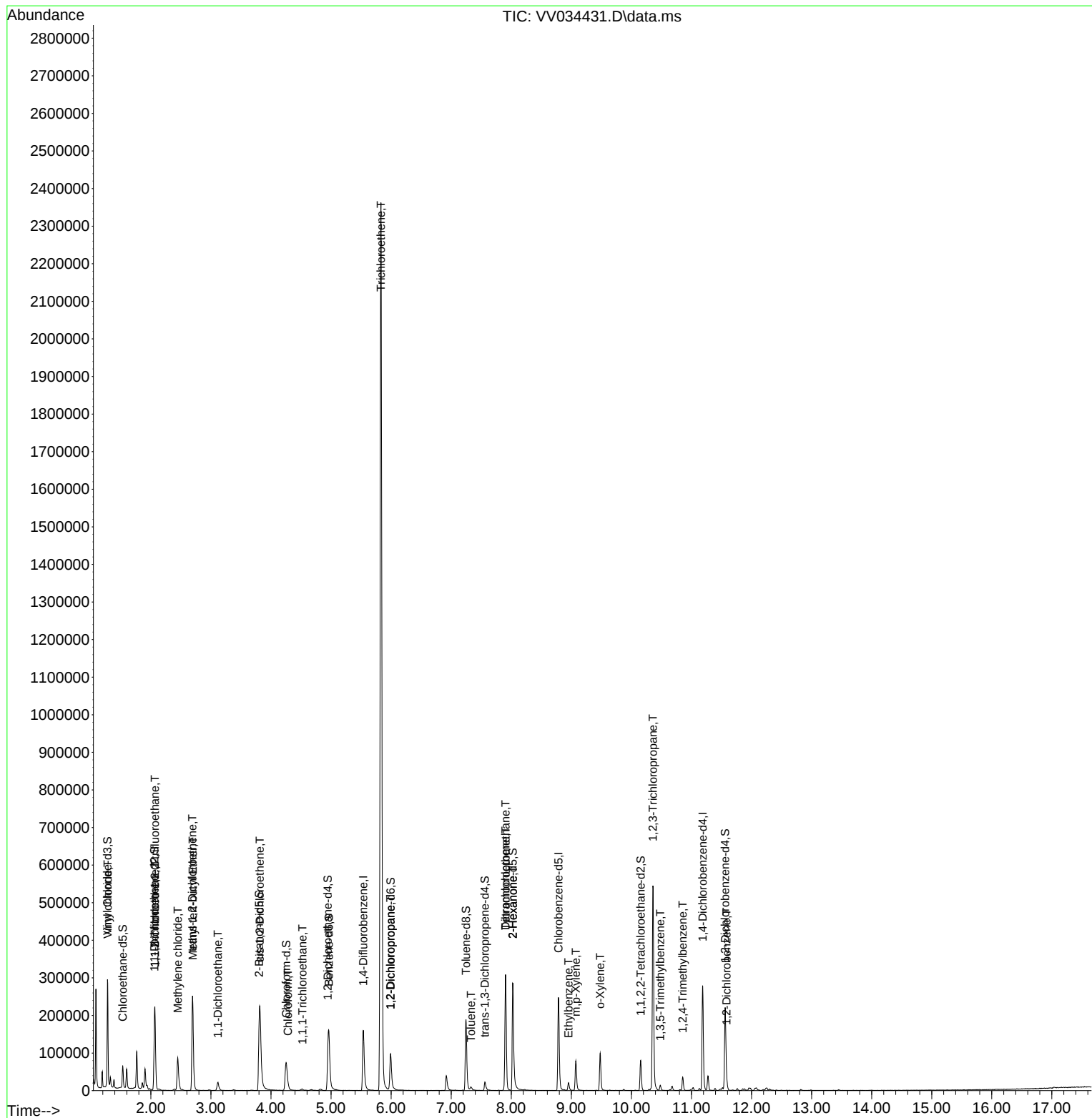
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.358	75	9095	1.689	ug/L #	43
62) 1,3,5-Trimethylbenzene	10.480	105	6723	0.184	ug/L	95
63) 1,2,4-Trimethylbenzene	10.853	105	19764	0.541	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	4910	0.258	ug/L	91

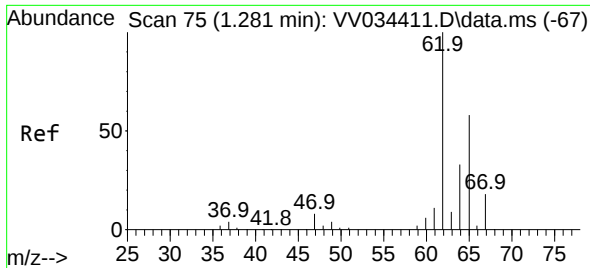
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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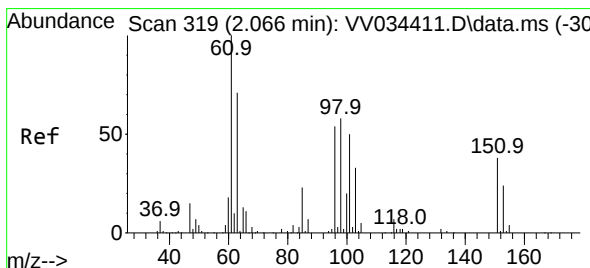
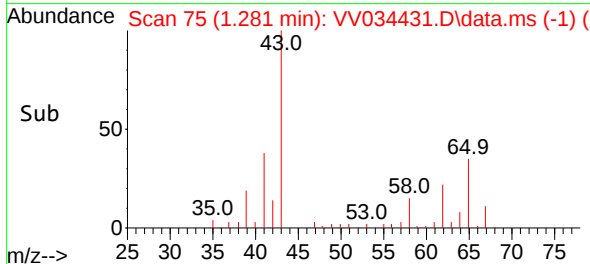
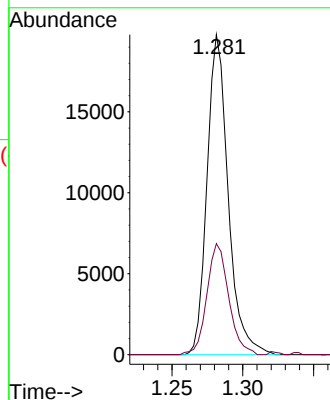
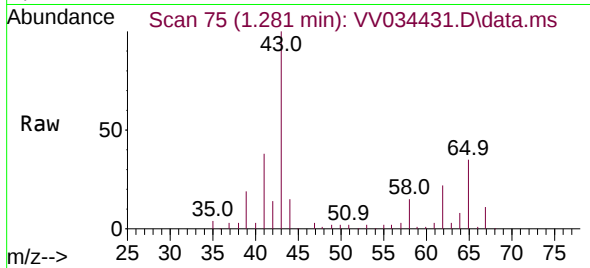




#5
Vinyl chloride
Concen: 1.955 ug/L
RT: 1.281 min Scan# 71
Delta R.T. -0.000 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

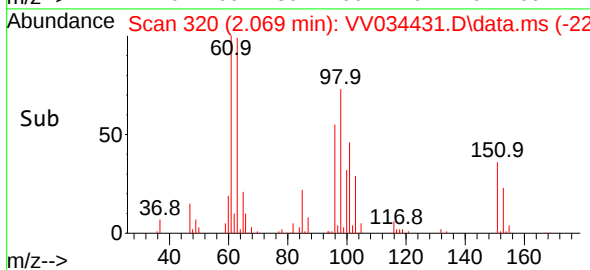
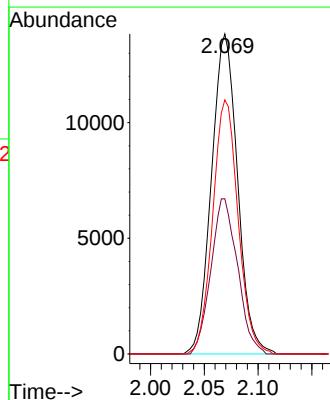
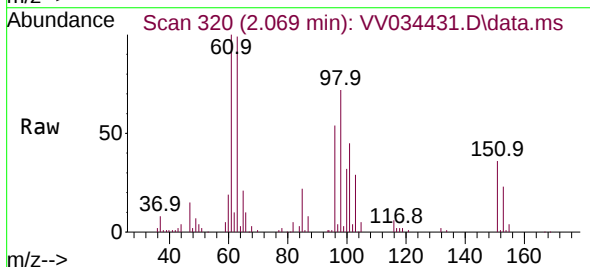
Instrument :
MSVOA_V
ClientSampleId :

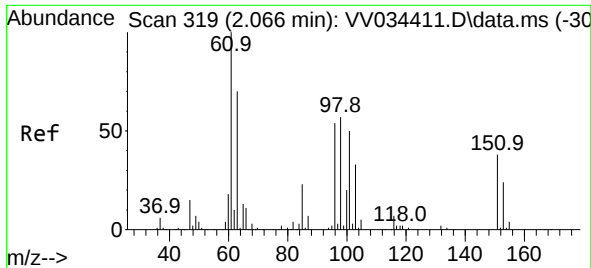
Tgt Ion: 62 Resp: 20494
Ion Ratio Lower Upper
62 100
64 34.7 23.4 43.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.535 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion: 101 Resp: 23332
Ion Ratio Lower Upper
101 100
85 49.5 37.9 56.9
151 77.5 61.8 92.6





#12

1,1-Dichloroethene

Concen: 2.670 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

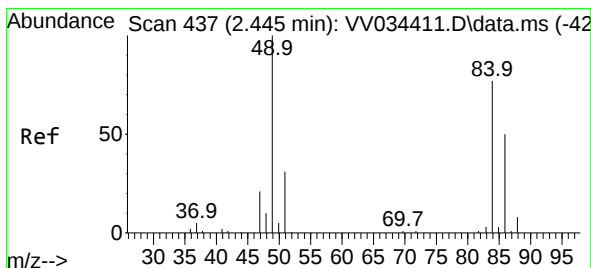
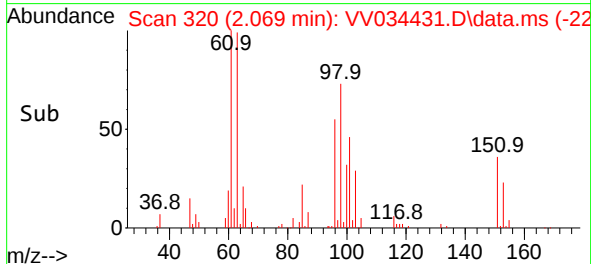
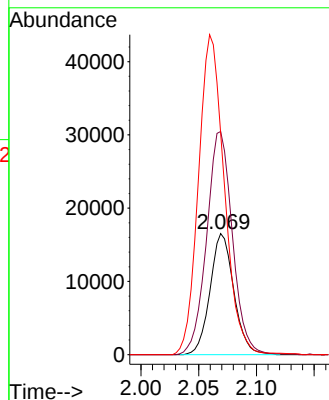
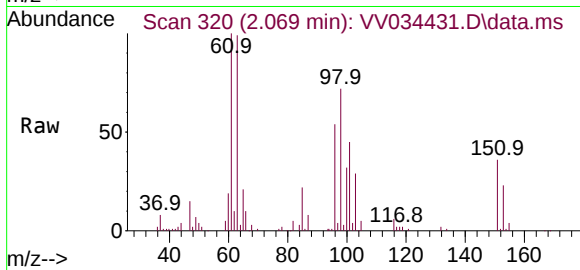
Tgt Ion: 96 Resp: 23664

Ion Ratio Lower Upper

96 100

61 184.3 131.3 243.8

63 182.7 102.8 191.0



#16

Methylene chloride

Concen: 3.359 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

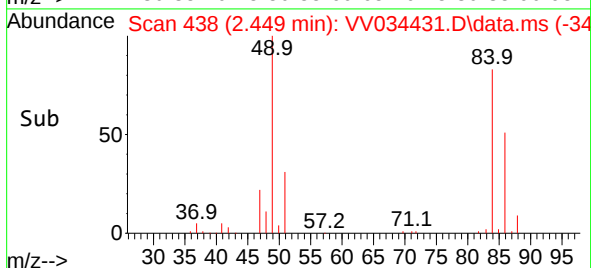
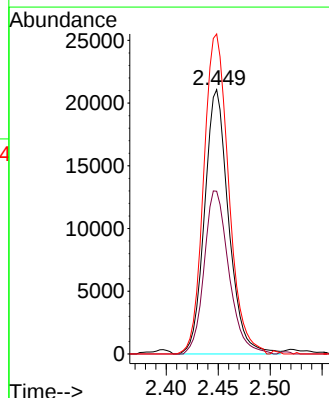
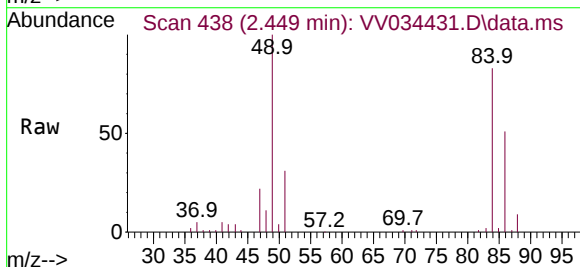
Tgt Ion: 84 Resp: 33997

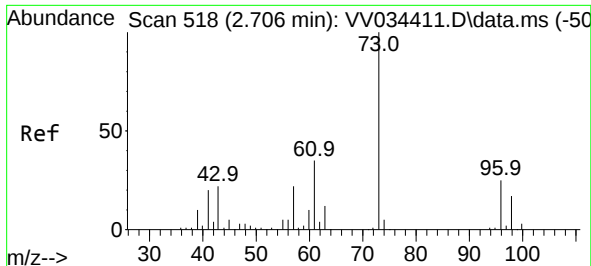
Ion Ratio Lower Upper

84 100

86 61.6 43.8 81.4

49 121.1 87.6 162.8





#17

Methyl tert-butyl Ether

Concen: 0.094 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.006 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

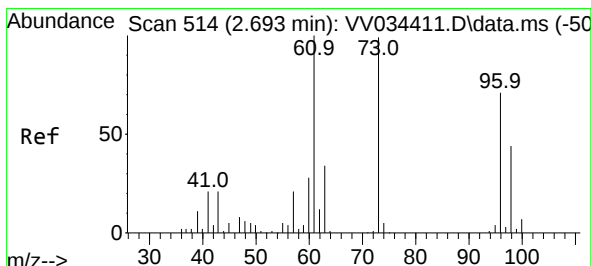
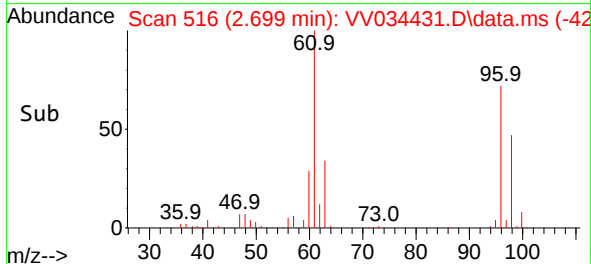
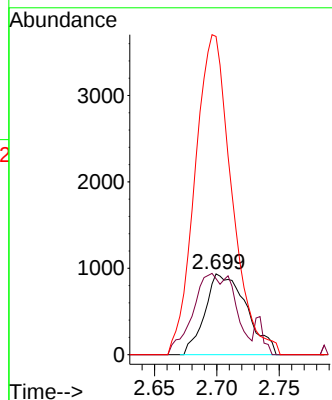
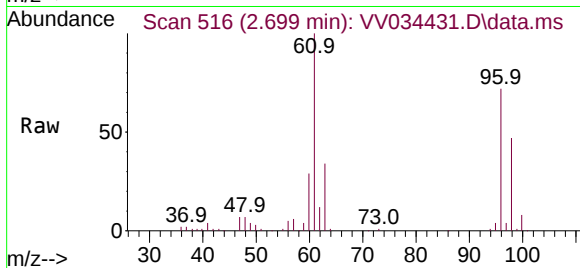
Tgt Ion: 73 Resp: 2161

Ion Ratio Lower Upper

73 100

43 65.4 18.0 27.0#

57 351.1 17.0 25.6#



#18

trans-1,2-Dichloroethene

Concen: 9.773 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

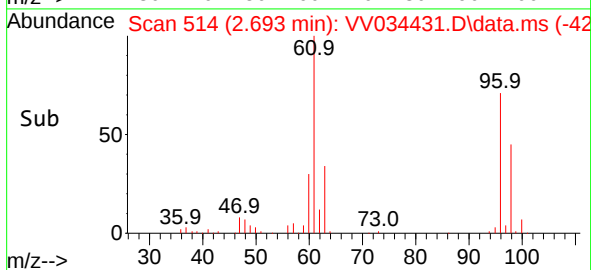
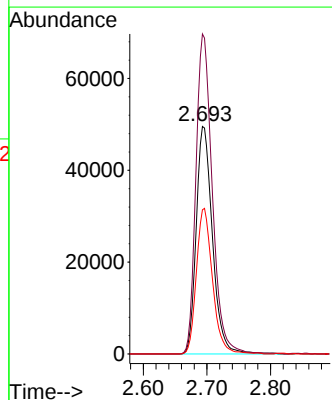
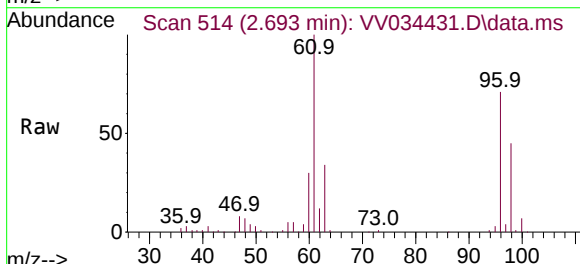
Tgt Ion: 96 Resp: 88079

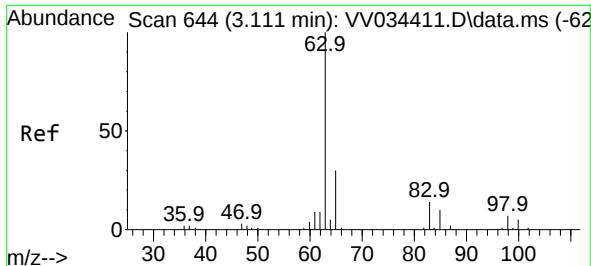
Ion Ratio Lower Upper

96 100

61 140.6 101.3 188.1

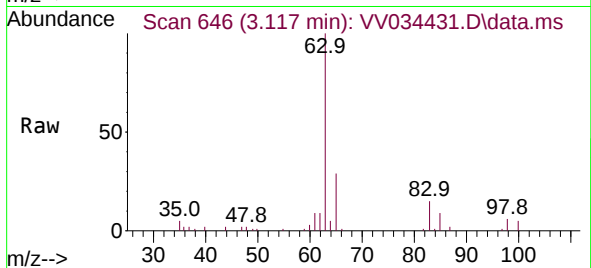
98 63.4 43.5 80.7





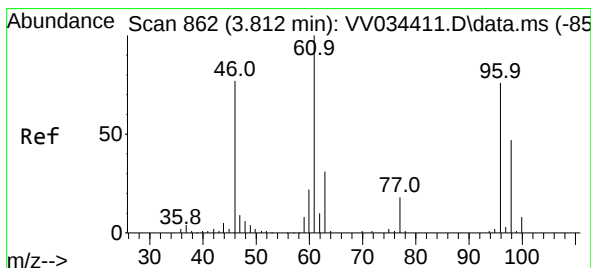
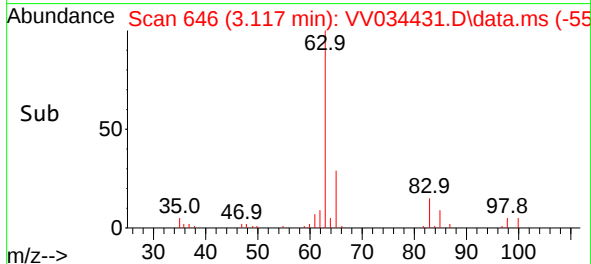
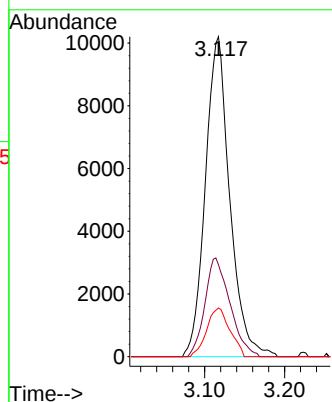
#19
 1,1-Dichloroethane
 Concen: 1.249 ug/L
 RT: 3.117 min Scan# 644
 Delta R.T. 0.006 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 63 Resp: 21671

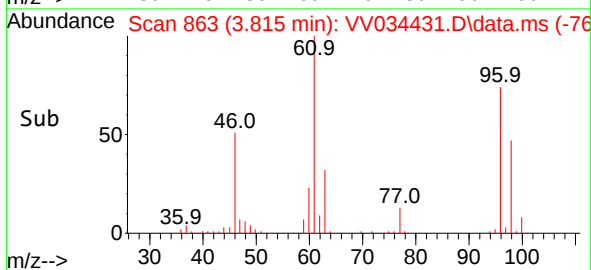
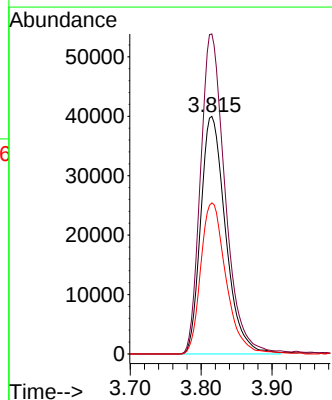
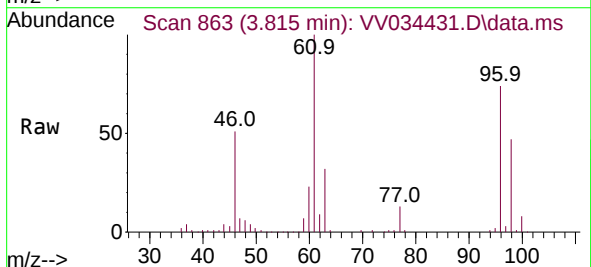
Ion	Ratio	Lower	Upper
63	100		
65	28.8	22.0	41.0
83	15.2	10.1	18.9

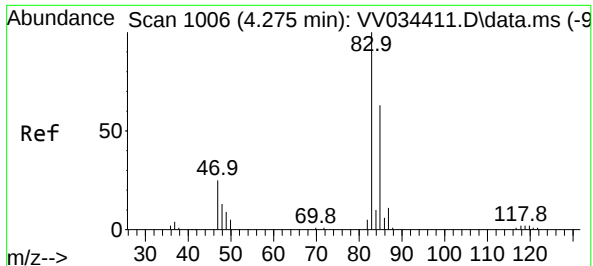


#22
 cis-1,2-Dichloroethene
 Concen: 9.853 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

Tgt Ion: 96 Resp: 97642

Ion	Ratio	Lower	Upper
96	100		
61	134.7	89.7	166.5
98	63.6	42.0	78.0





#25

Chloroform

Concen: 0.327 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

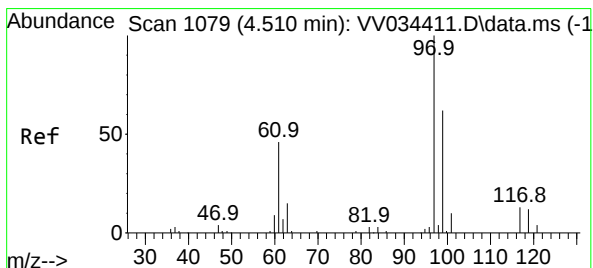
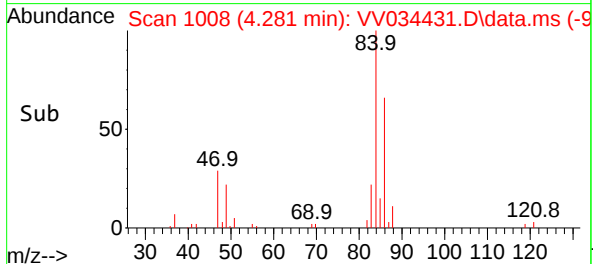
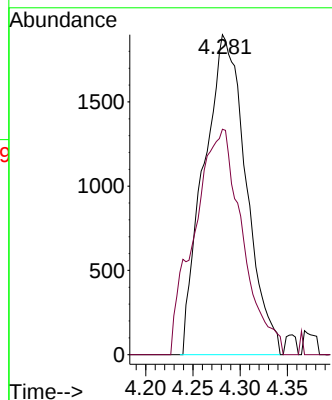
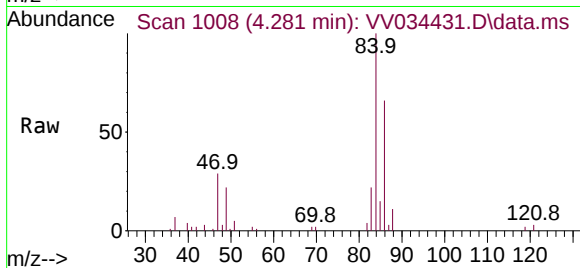
ClientSampleId :

Tgt Ion: 83 Resp: 5892

Ion Ratio Lower Upper

83 100

85 70.5 47.0 87.4



#29

1,1,1-Trichloroethane

Concen: 0.181 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.013 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

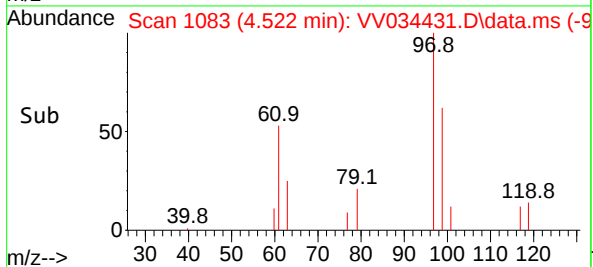
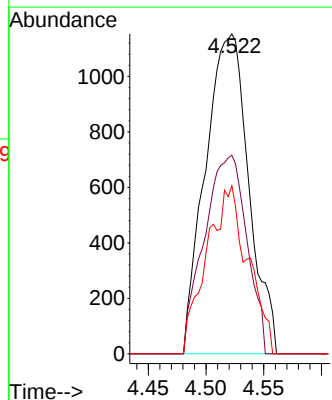
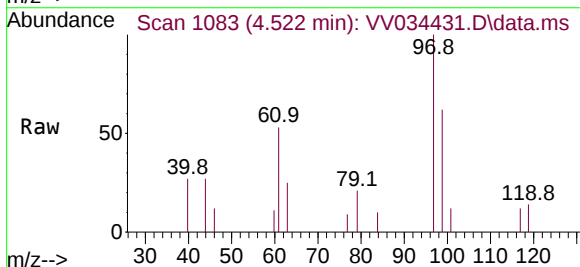
Tgt Ion: 97 Resp: 3018

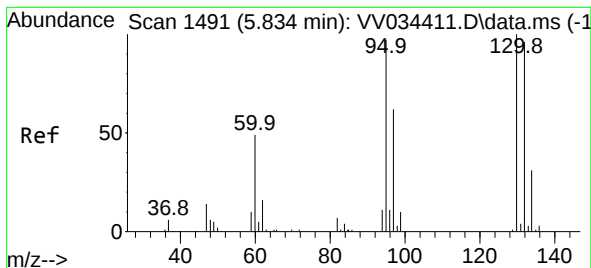
Ion Ratio Lower Upper

97 100

99 60.8 51.2 76.8

61 49.9 36.1 54.1





#34

Trichloroethene

Concen: 82.536 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 795456

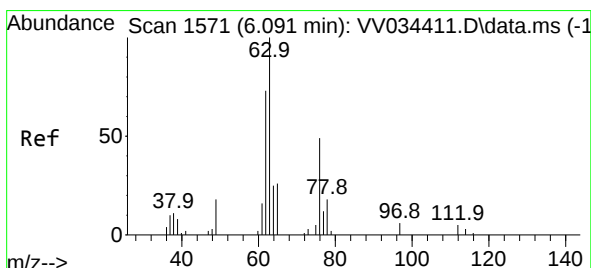
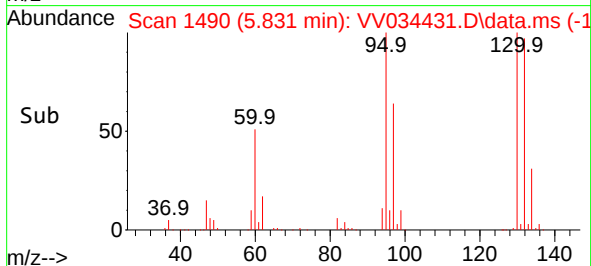
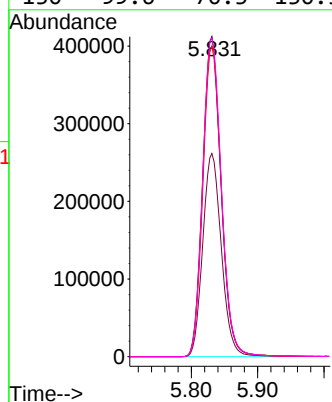
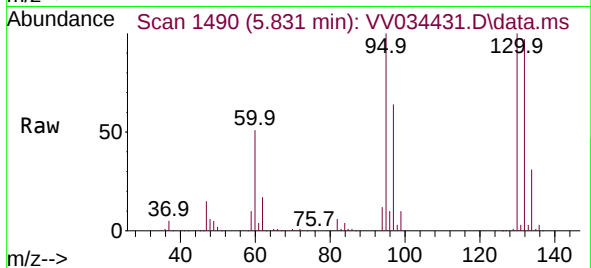
Ion Ratio Lower Upper

95 100

97 63.5 43.3 80.5

132 97.1 67.8 126.0

130 99.6 70.3 130.5



#37

1,2-Dichloropropane

Concen: 0.621 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.103 min

Lab File: VV034431.D

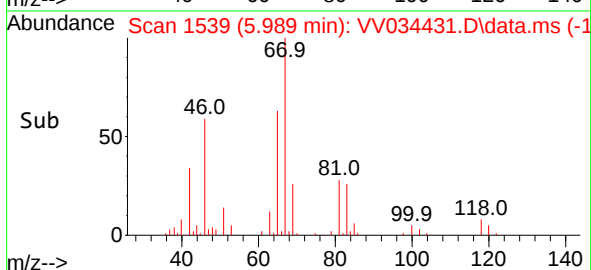
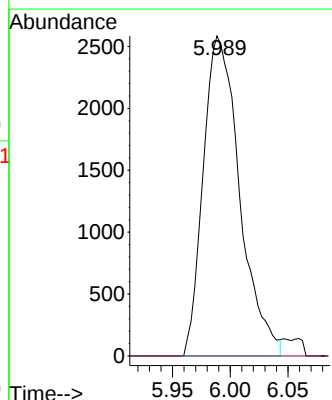
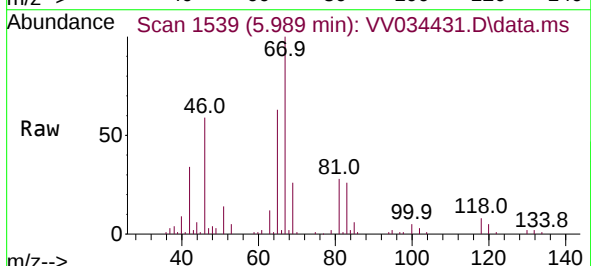
Acq: 27 Feb 2024 00:43

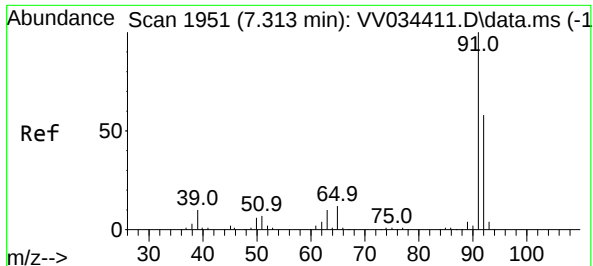
Tgt Ion: 63 Resp: 5666

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#

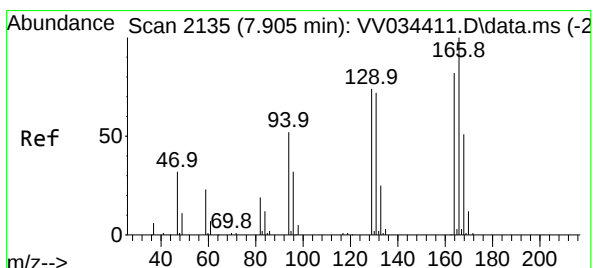
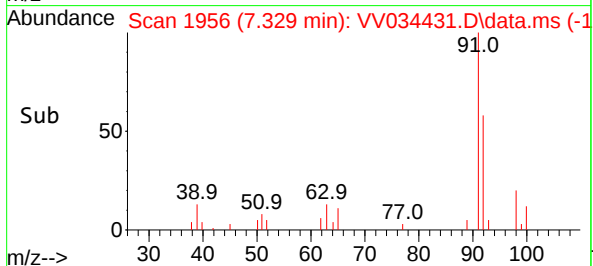
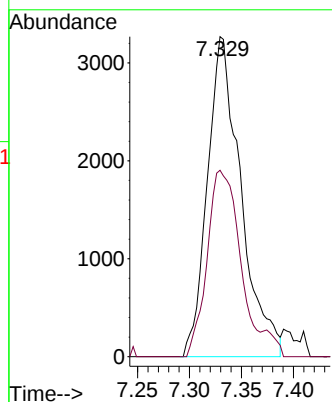
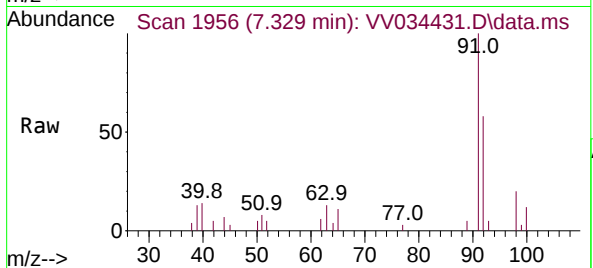




#42
Toluene
Concen: 0.189 ug/L
RT: 7.329 min Scan# 1951
Delta R.T. 0.016 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

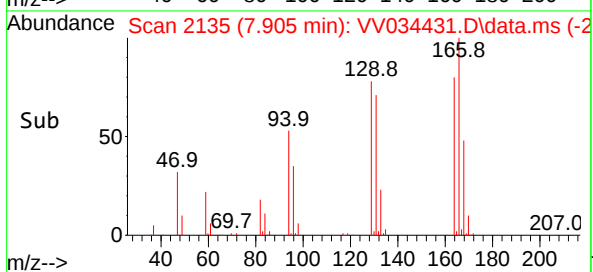
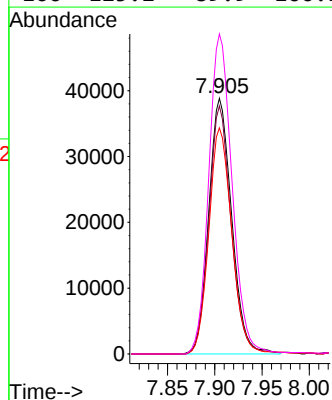
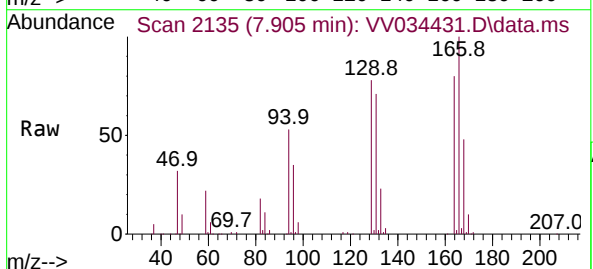
Instrument :
MSVOA_V
ClientSampleId :

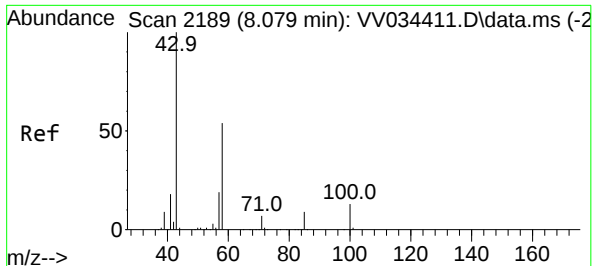
Tgt Ion: 91 Resp: 7327
Ion Ratio Lower Upper
91 100
92 58.3 40.5 75.3



#47
Tetrachloroethene
Concen: 8.677 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

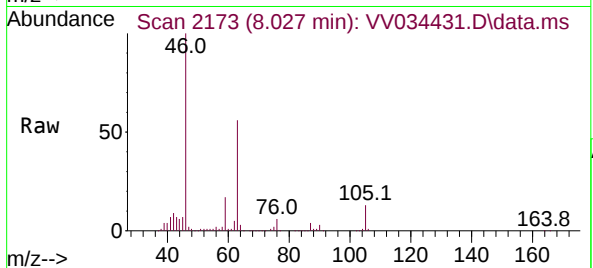
Tgt Ion: 164 Resp: 65604
Ion Ratio Lower Upper
164 100
129 97.1 64.2 119.2
131 88.5 65.9 122.3
166 125.2 89.9 166.9



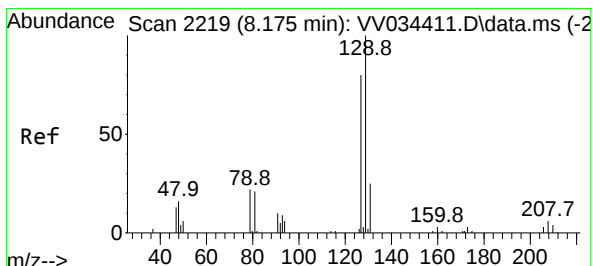
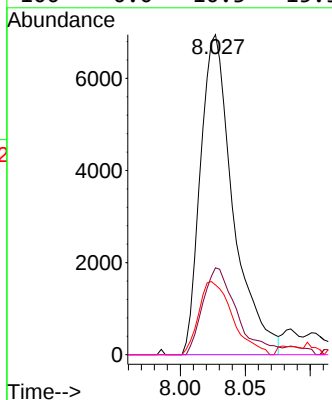
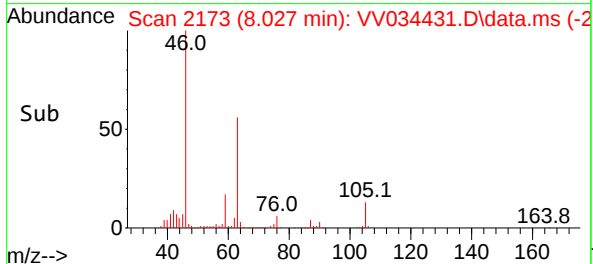


#48
2-Hexanone
Concen: 3.023 ug/L
RT: 8.027 min Scan# 2115
Delta R.T. -0.052 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Instrument :
MSVOA_V
ClientSampleId :

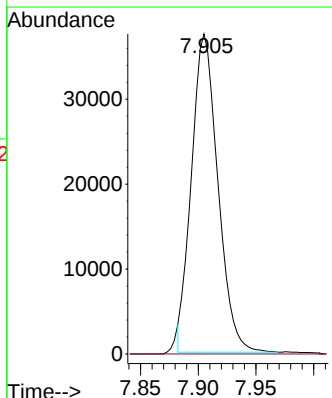
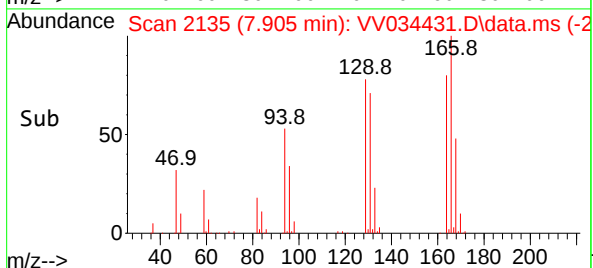
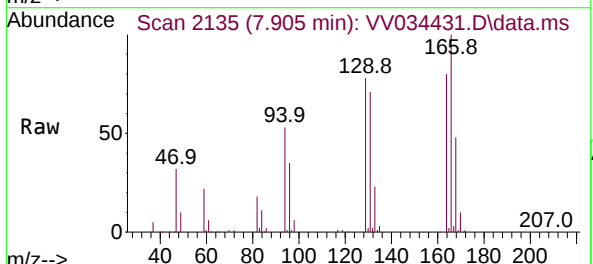


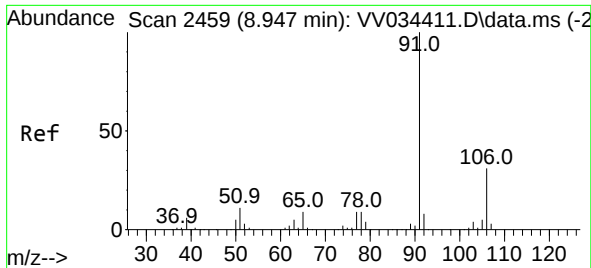
Tgt Ion: 43	Resp: 12152
Ion Ratio	Lower Upper
43 100	
58 28.6	43.4 65.0#
57 23.6	15.5 23.3#
100 0.0	10.3 15.5#



#49
Dibromochloromethane
Concen: 8.236 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.270 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion:129	Resp: 59502		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	54.0	100.4#	

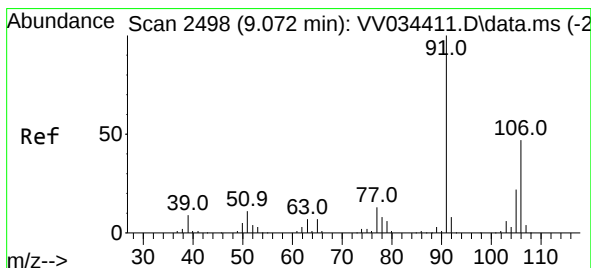
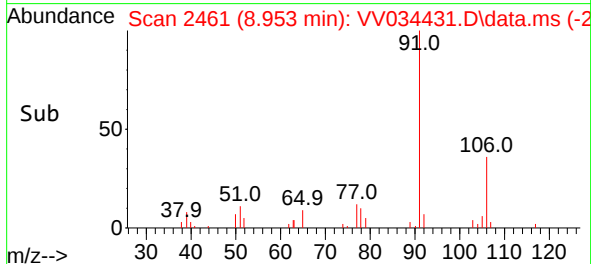
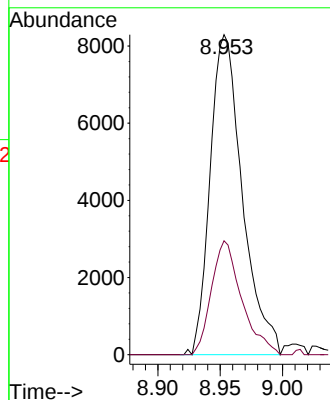
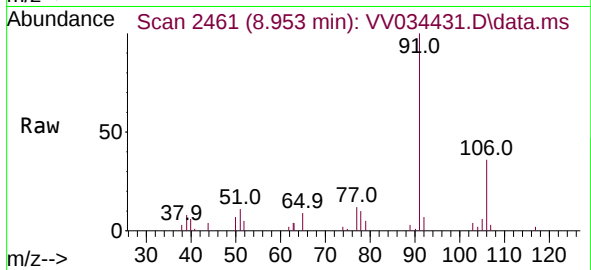




#52
Ethylbenzene
Concen: 0.341 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

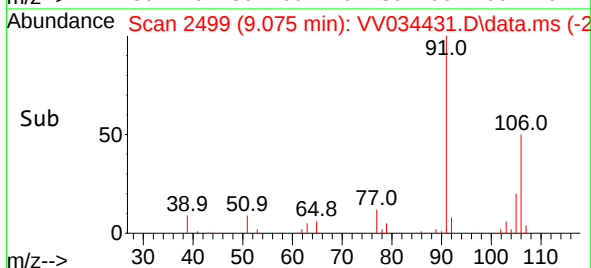
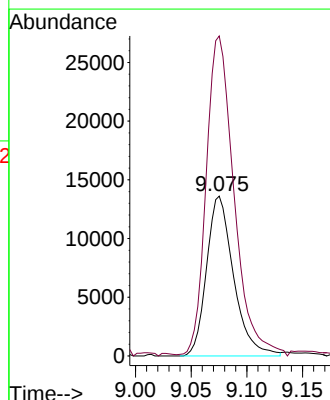
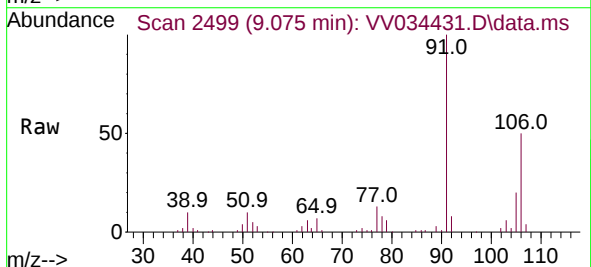
Instrument :
MSVOA_V
ClientSampleId :

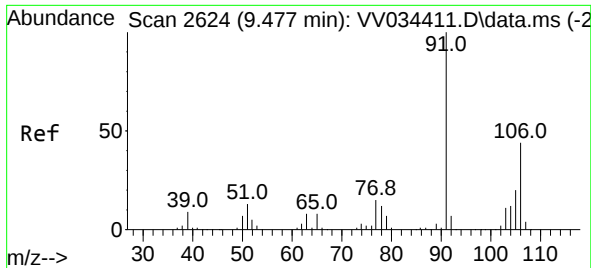
Tgt Ion: 91 Resp: 14910
Ion Ratio Lower Upper
91 100
106 35.6 21.4 39.8



#53
m,p-Xylene
Concen: 1.417 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion: 106 Resp: 22995
Ion Ratio Lower Upper
106 100
91 200.2 148.5 275.9

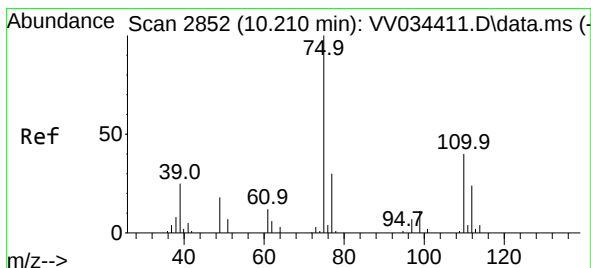
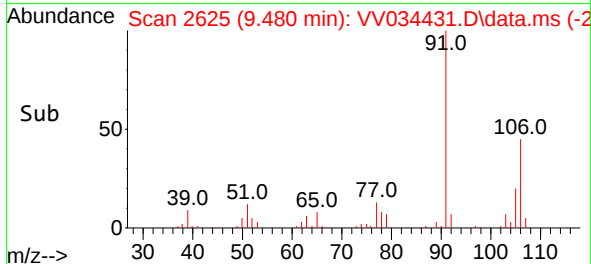
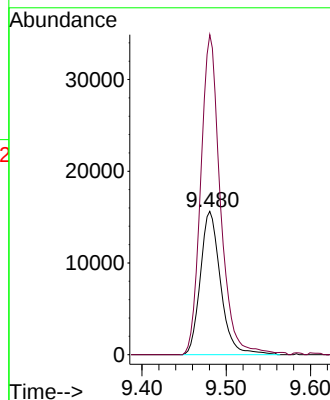
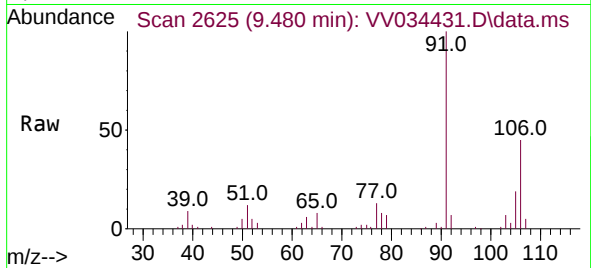




#54
o-Xylene
Concen: 1.615 ug/L
RT: 9.480 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

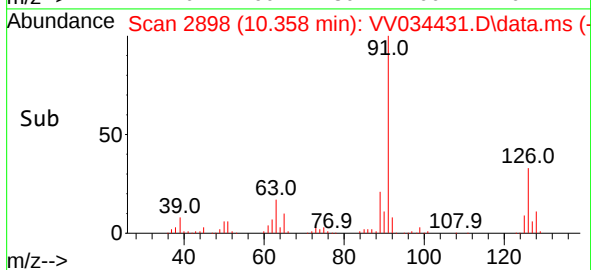
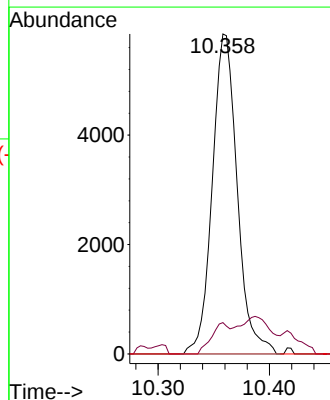
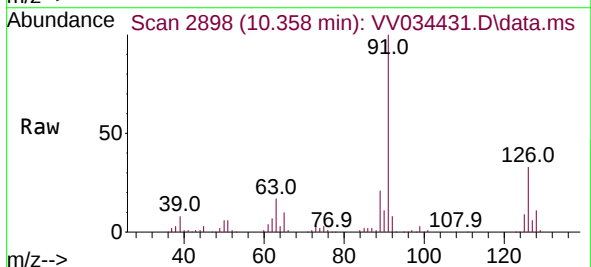
Instrument :
MSVOA_V
ClientSampleId :

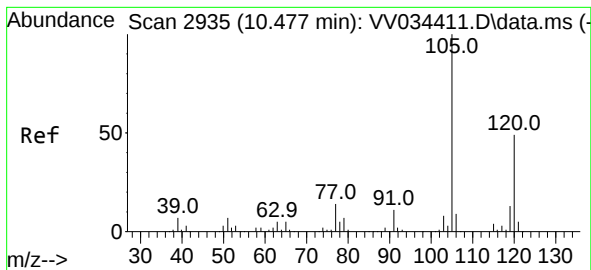
Tgt Ion:106 Resp: 26168
Ion Ratio Lower Upper
106 100
91 223.2 155.8 289.3



#61
1,2,3-Trichloropropane
Concen: 1.689 ug/L
RT: 10.358 min Scan# 2898
Delta R.T. 0.148 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion: 75 Resp: 9095
Ion Ratio Lower Upper
75 100
77 7.1 27.7 41.5#
110 0.0 32.0 48.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.184 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

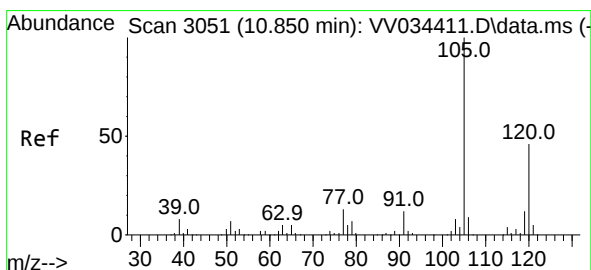
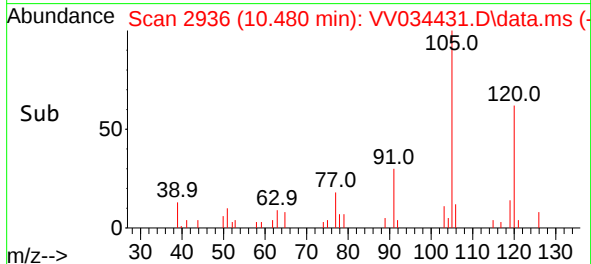
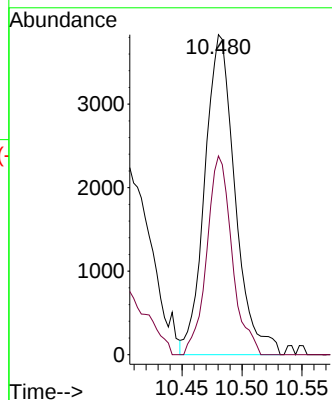
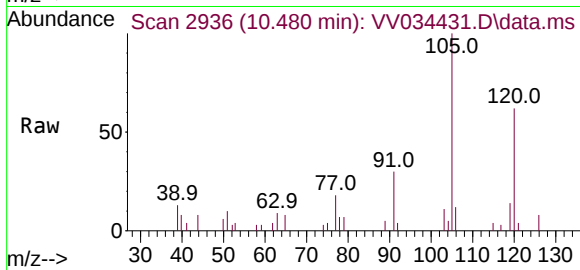
ClientSampleId :

Tgt Ion:105 Resp: 6723

Ion Ratio Lower Upper

105 100

120 51.8 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.541 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034431.D

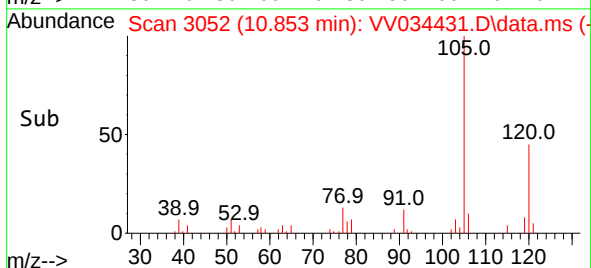
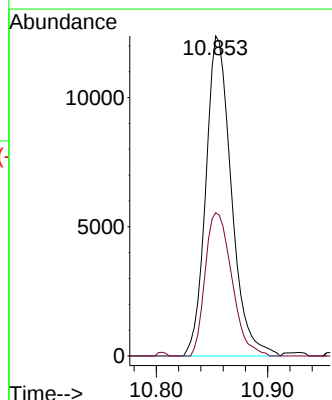
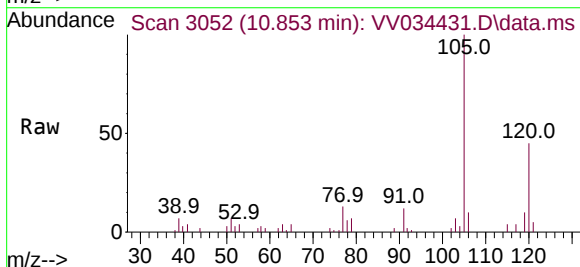
Acq: 27 Feb 2024 00:43

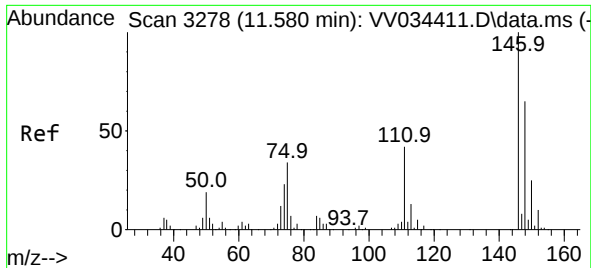
Tgt Ion:105 Resp: 19764

Ion Ratio Lower Upper

105 100

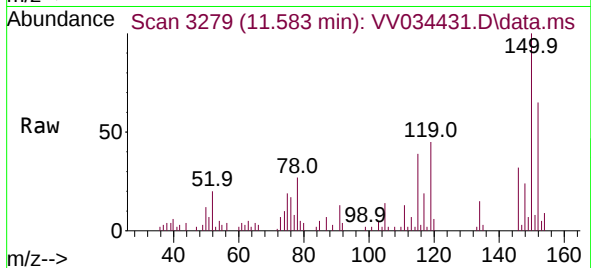
120 46.5 35.4 53.2





#67
1,2-Dichlorobenzene
Concen: 0.258 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	146	Resp:	4910
Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.2	48.4
148	73.1	49.7	74.5

