

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011224\
 Data File : VV033612.D
 Acq On : 12 Jan 2024 22:17
 Operator : SY/MD
 Sample : P1121-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 13 00:58:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 13 00:29:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	119821	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	111896	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	55903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	31725	4.842	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.535	69	28873	4.969	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.063	65	15169	5.137	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	3.799	46	80200	50.063	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.120%
24) Chloroform-d	4.252	84	72767	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	4.947	65	35105	5.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	4.963	84	139539	5.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	5.992	67	45842	5.093	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.246	98	123963	5.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
43) trans-1,3-Dichloroprop...	7.561	79	14955	4.806	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.027	63	64691	52.947	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.900%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	29655	5.638	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	46083	5.369	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
5) Vinyl chloride	1.285	62	19037	1.527	ug/L	96
8) Chloroethane	1.330	64	20187	2.667	ug/L #	51
12) 1,1-Dichloroethene	2.072	96	8123	0.962	ug/L #	1
13) Acetone	2.130	43	2009	1.545	ug/L	84
17) Methyl tert-butyl Ether	2.706	73	104251	5.451	ug/L	98
19) 1,1-Dichloroethane	3.121	63	13002	0.686	ug/L	95
22) cis-1,2-Dichloroethene	3.815	96	27639	2.767	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	7941	0.501	ug/L	99
34) Trichloroethene	5.834	95	63330	5.988	ug/L	99
35) Methylcyclohexane	5.992	83	10461	0.584	ug/L #	16
37) 1,2-Dichloropropane	5.989	63	5084	0.515	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	1222	0.087	ug/L #	76
42) Toluene	7.323	91	41406	0.985	ug/L	99
47) Tetrachloroethene	7.911	164	3003	0.395	ug/L	96
48) 2-Hexanone	8.088	43	10767	3.241	ug/L #	98
49) Dibromochloromethane	7.911	129	2721	0.399	ug/L #	11
53) m,p-Xylene	9.082	106	2113	0.118	ug/L	71
61) 1,2,3-Trichloropropane	11.185	75	7635	1.704	ug/L #	64
71) Naphthalene	13.451	128	1431	0.068	ug/L #	69

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011224\
Data File : VV033612.D
Acq On : 12 Jan 2024 22:17
Operator : SY/MD
Sample : P1121-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jan 13 00:58:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 00:29:44 2024
Response via : Initial Calibration

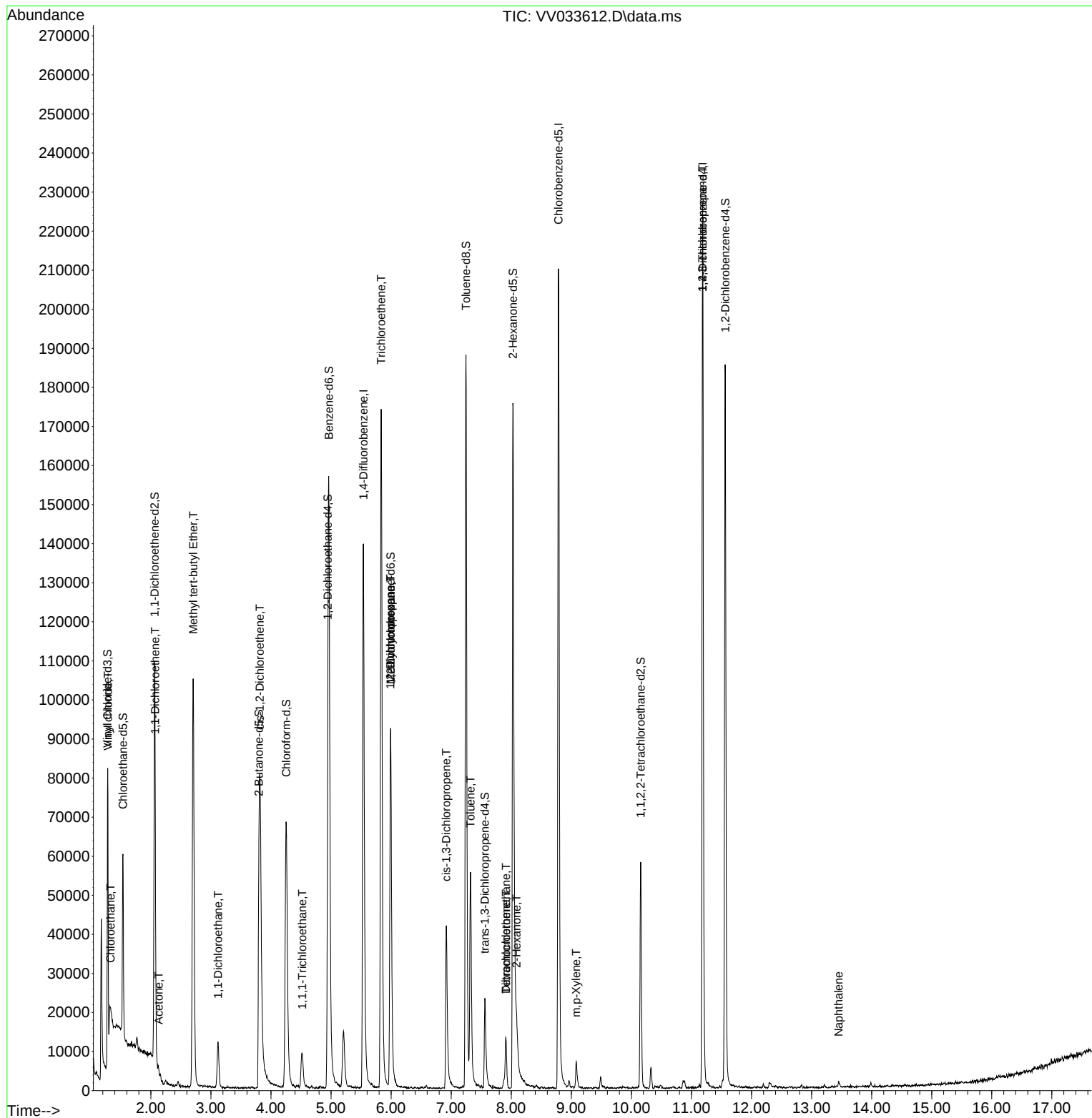
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

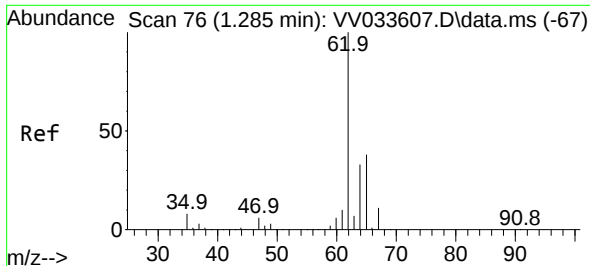
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011224\
Data File : VV033612.D
Acq On : 12 Jan 2024 22:17
Operator : SY/MD
Sample : P1121-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jan 13 00:58:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 00:29:44 2024
Response via : Initial Calibration

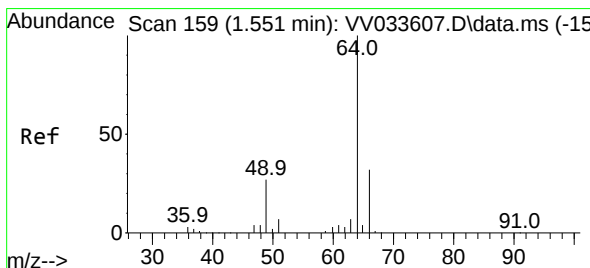
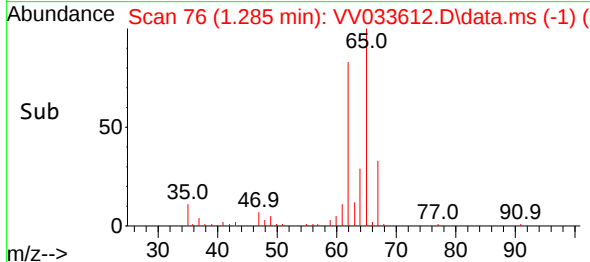
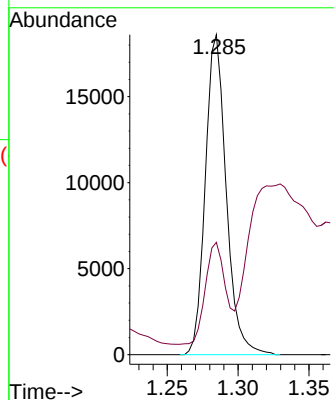
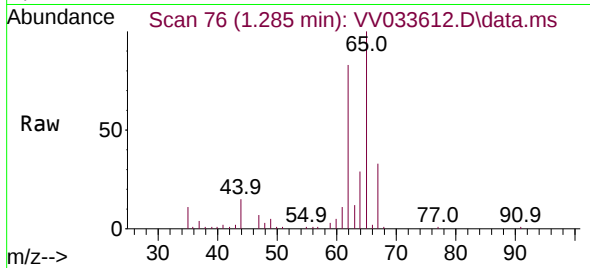




#5
 Vinyl chloride
 Concen: 1.527 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17

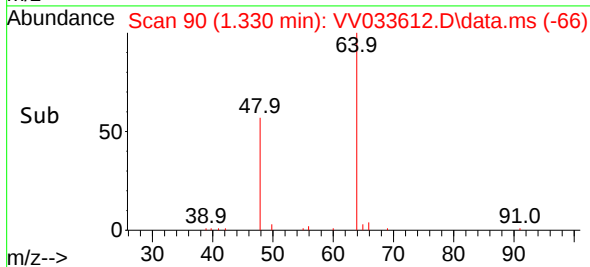
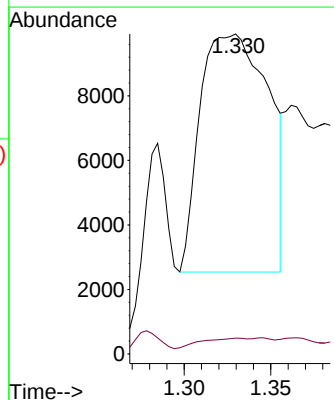
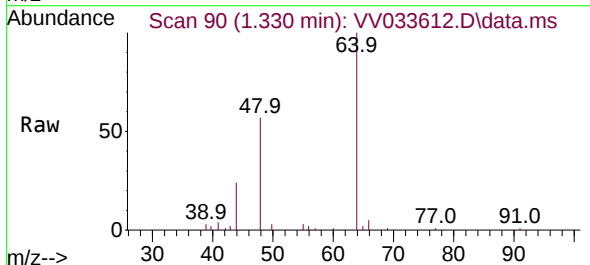
Instrument :
 MSVOA_V
 ClientSampleId :

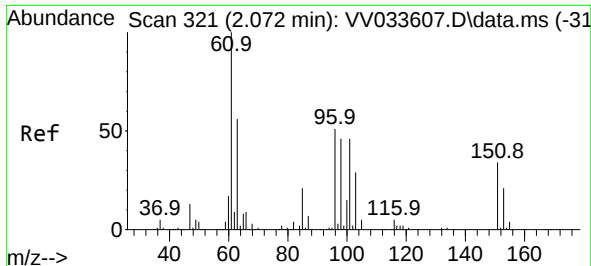
Tgt Ion: 62 Resp: 19037
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.0 42.8



#8
 Chloroethane
 Concen: 2.667 ug/L
 RT: 1.330 min Scan# 90
 Delta R.T. -0.222 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17

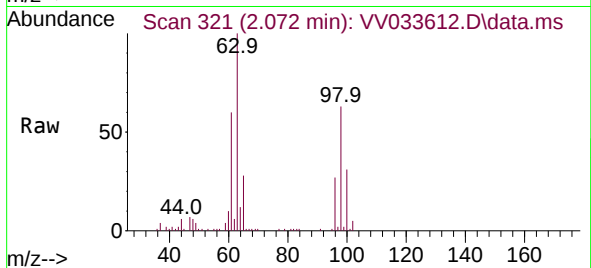
Tgt Ion: 64 Resp: 20187
 Ion Ratio Lower Upper
 64 100
 66 4.9 22.6 42.0#



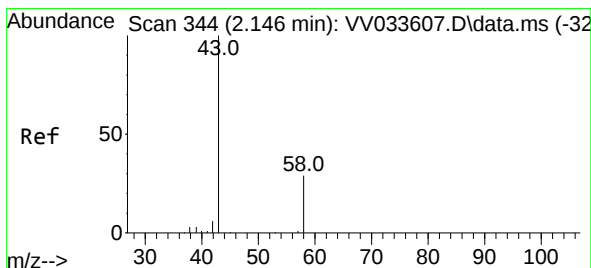
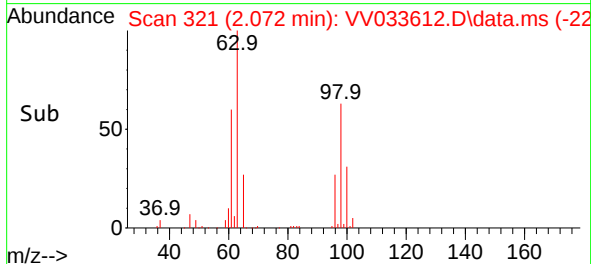
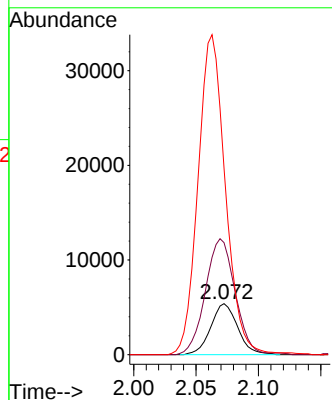


#12
1,1-Dichloroethene
Concen: 0.962 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033612.D
Acq: 12 Jan 2024 22:17

Instrument :
MSVOA_V
ClientSampleId :

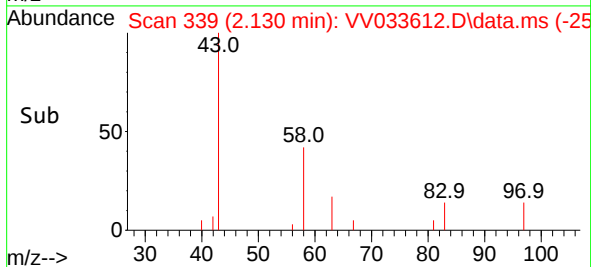
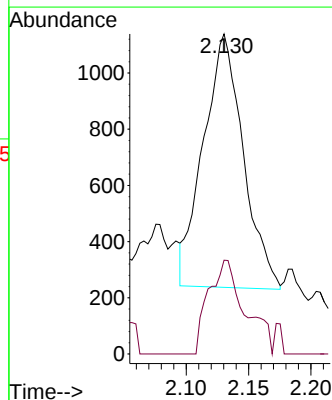
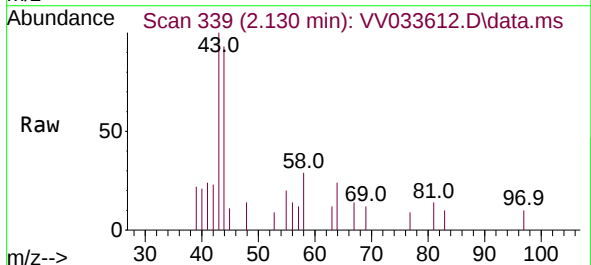


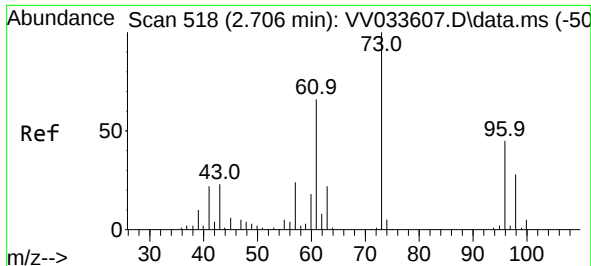
Tgt Ion: 96 Resp: 8123
Ion Ratio Lower Upper
96 100
61 219.8 133.8 248.4
63 365.6 77.2 143.4#



#13
Acetone
Concen: 1.545 ug/L
RT: 2.130 min Scan# 339
Delta R.T. -0.016 min
Lab File: VV033612.D
Acq: 12 Jan 2024 22:17

Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
58 33.8 0.0 51.0





#17

Methyl tert-butyl Ether

Concen: 5.451 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

Instrument :

MSVOA_V

ClientSampleId :

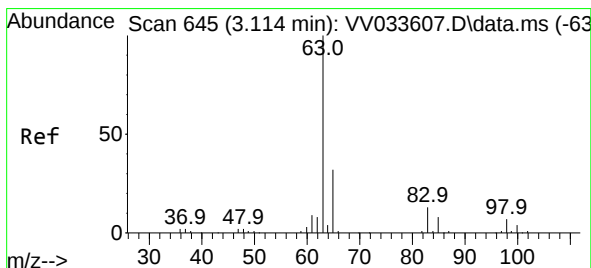
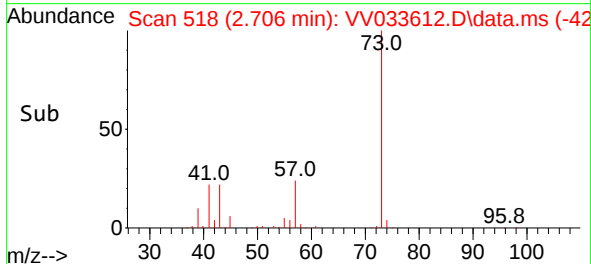
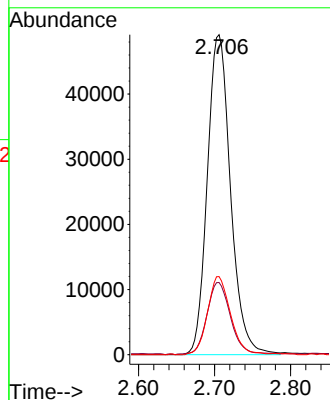
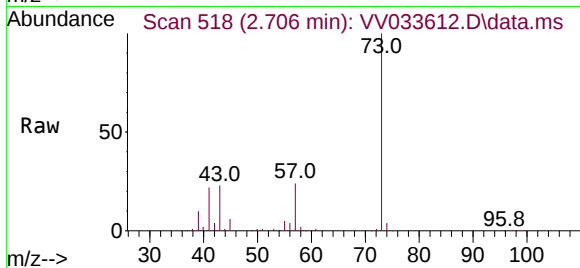
Tgt Ion: 73 Resp: 104251

Ion Ratio Lower Upper

73 100

43 23.3 17.7 26.5

57 24.0 19.5 29.3



#19

1,1-Dichloroethane

Concen: 0.686 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.006 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

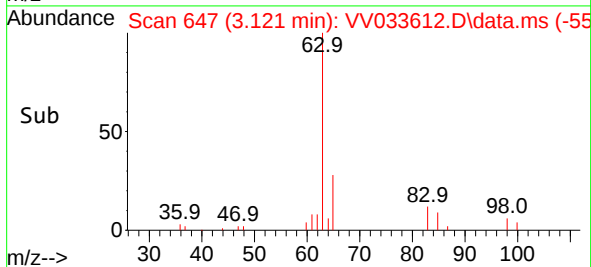
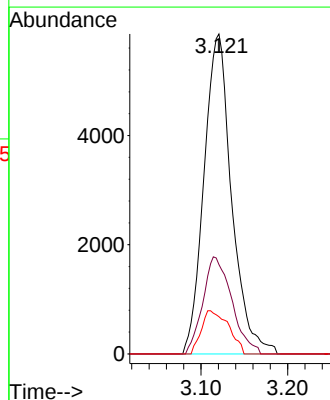
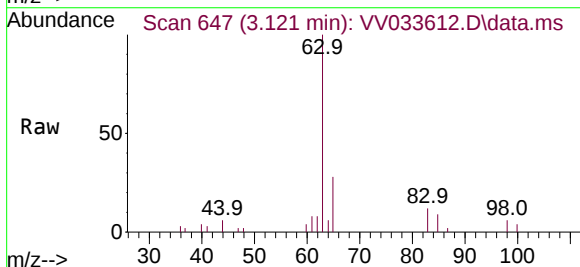
Tgt Ion: 63 Resp: 13002

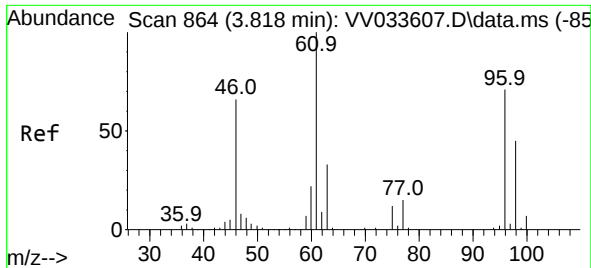
Ion Ratio Lower Upper

63 100

65 28.0 21.6 40.2

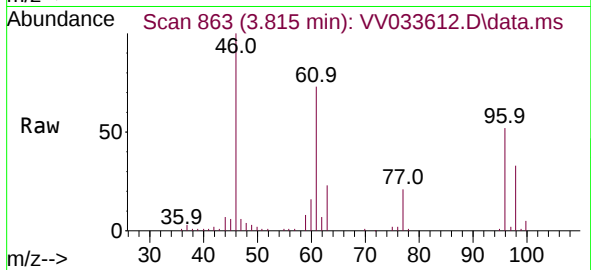
83 11.7 9.1 16.9



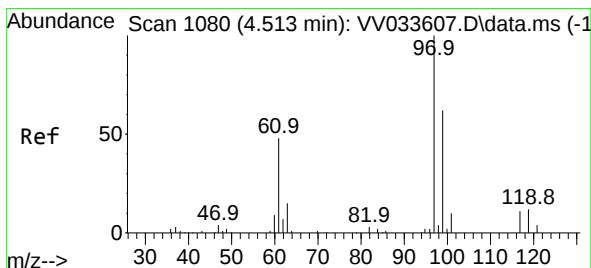
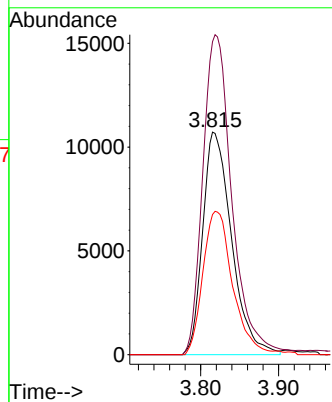
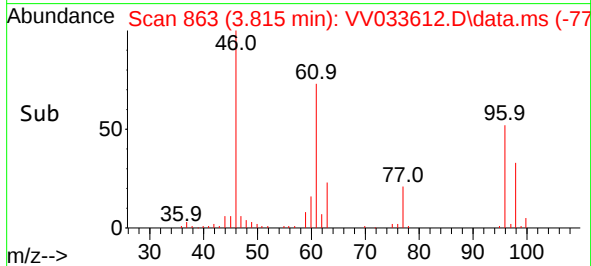


#22
 cis-1,2-Dichloroethene
 Concen: 2.767 ug/L
 RT: 3.815 min Scan# 864
 Delta R.T. -0.003 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17

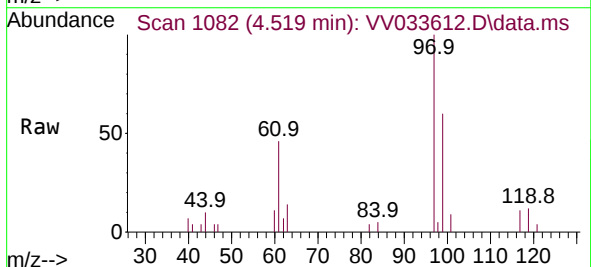
Instrument :
 MSVOA_V
 ClientSampleId :



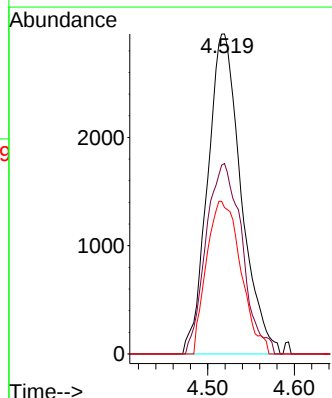
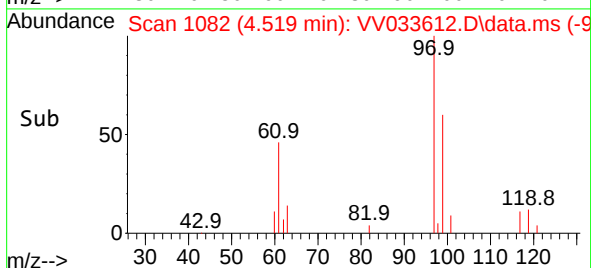
Tgt Ion: 96 Resp: 27639
 Ion Ratio Lower Upper
 96 100
 61 140.6 97.1 180.3
 98 63.0 42.6 79.0

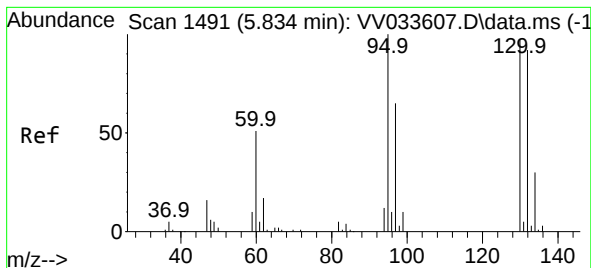


#29
 1,1,1-Trichloroethane
 Concen: 0.501 ug/L
 RT: 4.519 min Scan# 1082
 Delta R.T. 0.007 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17



Tgt Ion: 97 Resp: 7941
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.8 76.2
 61 48.8 38.1 57.1





#34

Trichloroethene

Concen: 5.988 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

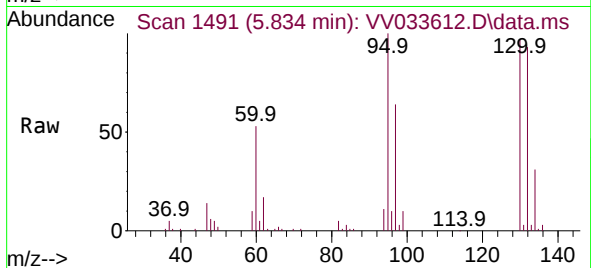
Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 63330

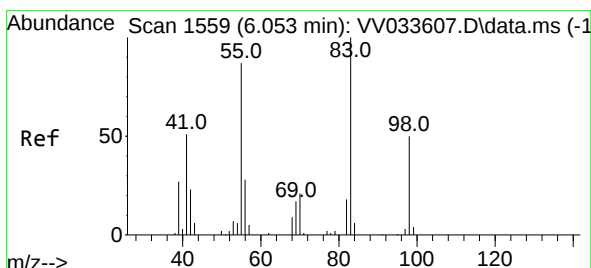
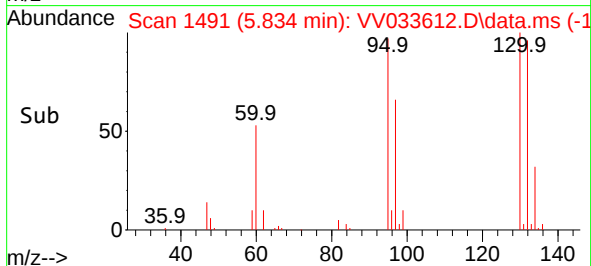
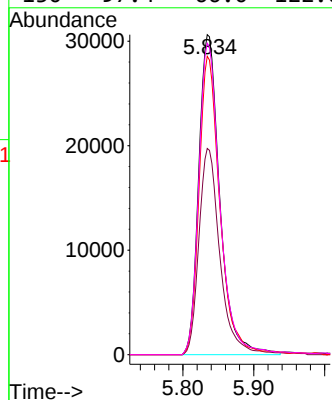
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 93.3 65.2 121.2

130 97.4 66.0 122.6



#35

Methylcyclohexane

Concen: 0.584 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.061 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

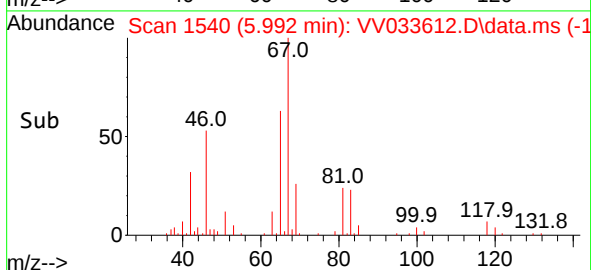
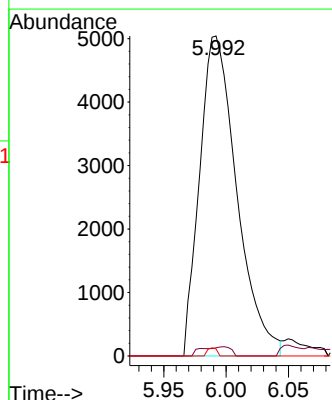
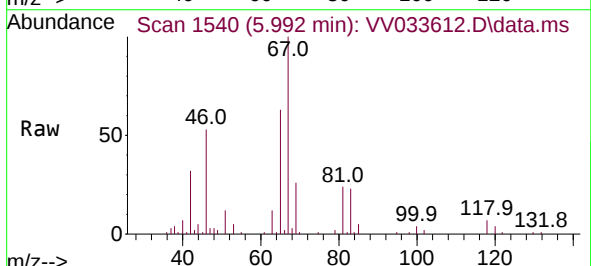
Tgt Ion: 83 Resp: 10461

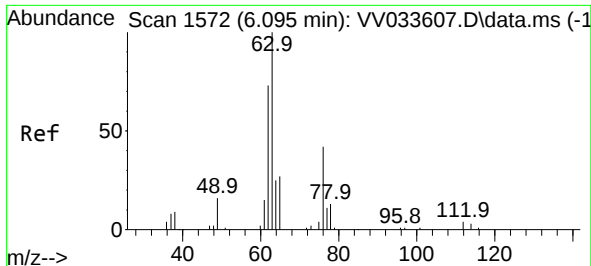
Ion Ratio Lower Upper

83 100

55 2.3 68.7 103.1#

98 0.6 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.515 ug/L

RT: 5.989 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

Instrument :

MSVOA_V

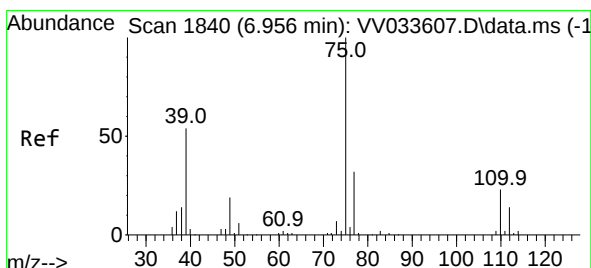
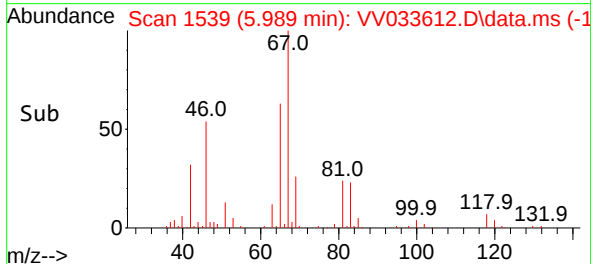
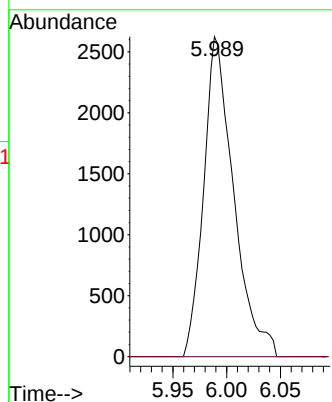
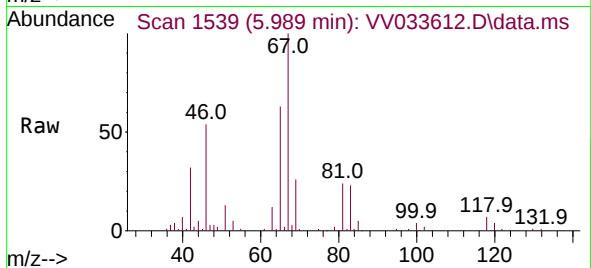
ClientSampleId :

Tgt Ion: 63 Resp: 5084

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.039 min

Lab File: VV033612.D

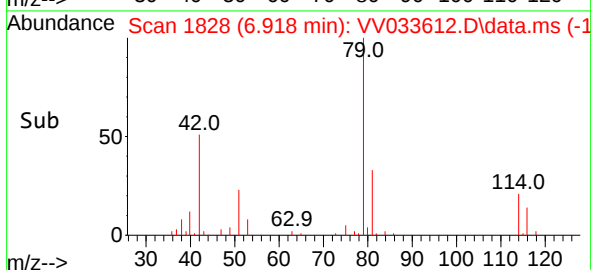
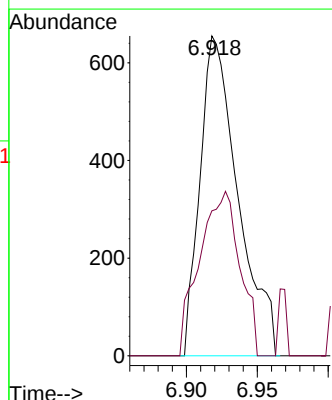
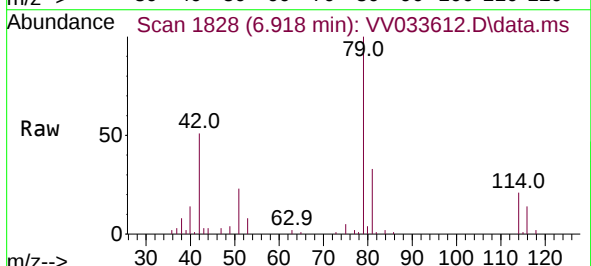
Acq: 12 Jan 2024 22:17

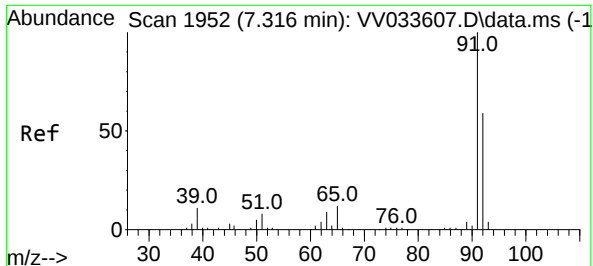
Tgt Ion: 75 Resp: 1222

Ion Ratio Lower Upper

75 100

77 45.3 22.5 41.7#





#42

Toluene

Concen: 0.985 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

Instrument :

MSVOA_V

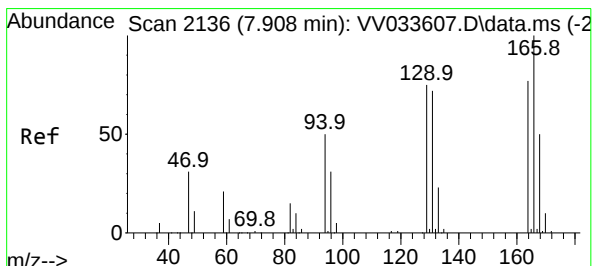
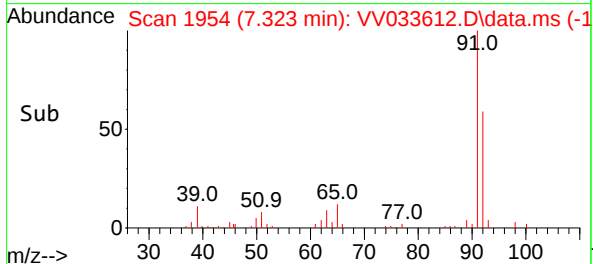
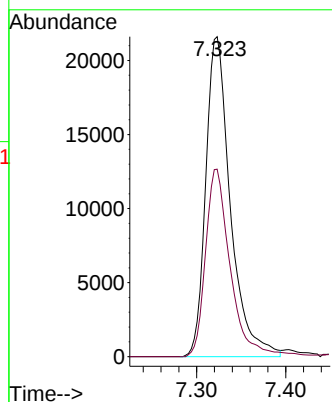
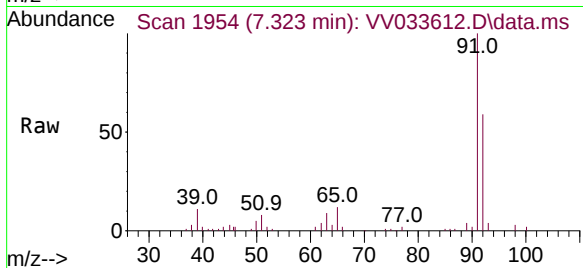
ClientSampleId :

Tgt Ion: 91 Resp: 41406

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.3



#47

Tetrachloroethene

Concen: 0.395 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV033612.D

Acq: 12 Jan 2024 22:17

Tgt Ion: 164 Resp: 3003

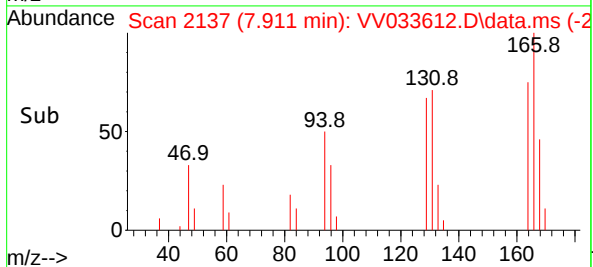
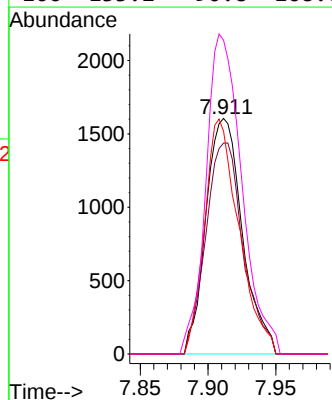
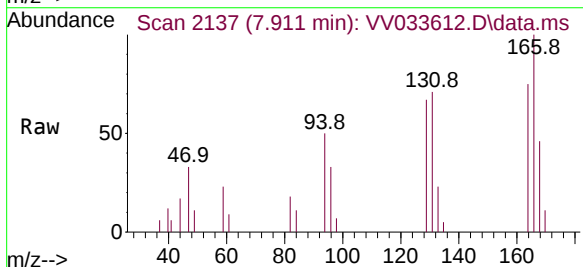
Ion Ratio Lower Upper

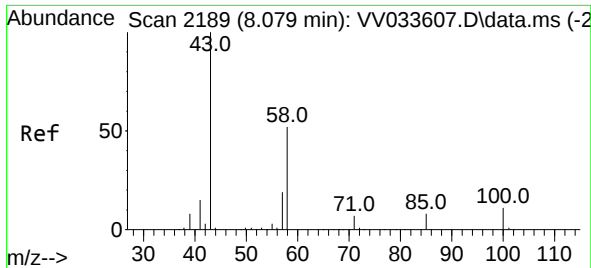
164 100

129 89.6 67.1 124.7

131 94.6 65.0 120.6

166 133.2 90.8 168.6

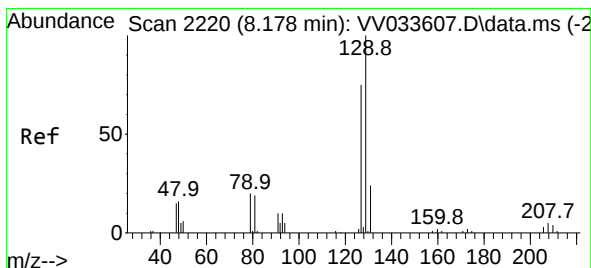
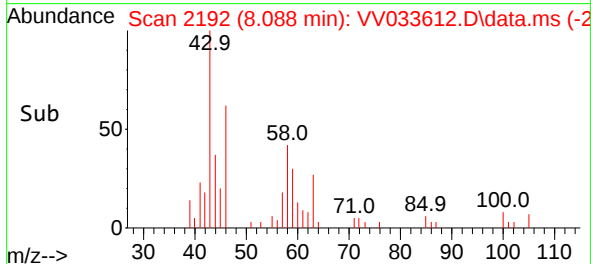
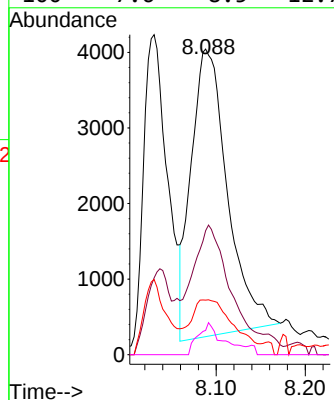
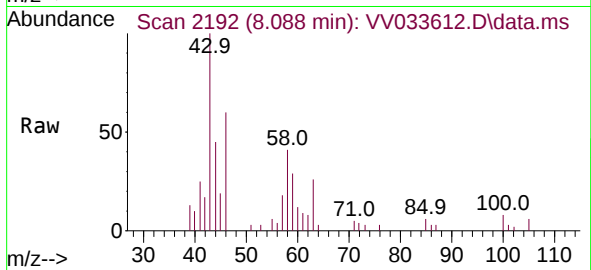




#48
2-Hexanone
Concen: 3.241 ug/L
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV033612.D
Acq: 12 Jan 2024 22:17

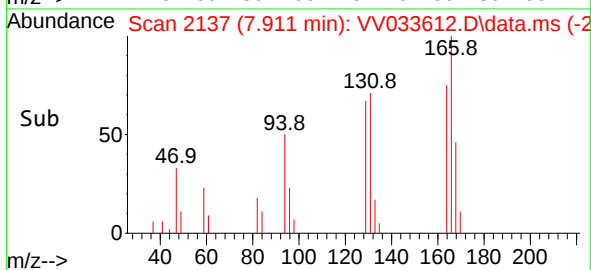
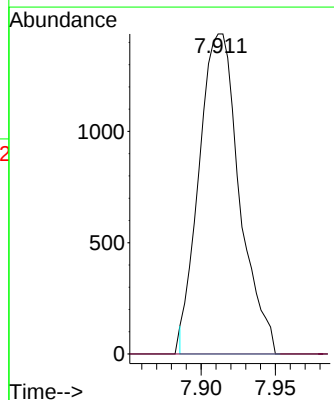
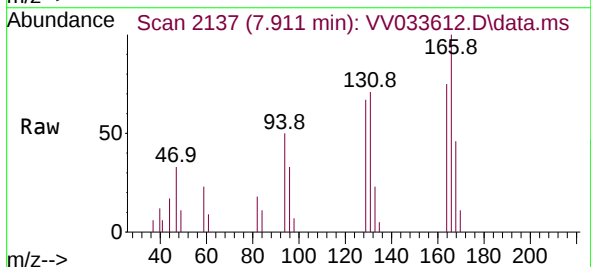
Instrument :
MSVOA_V
ClientSampleId :

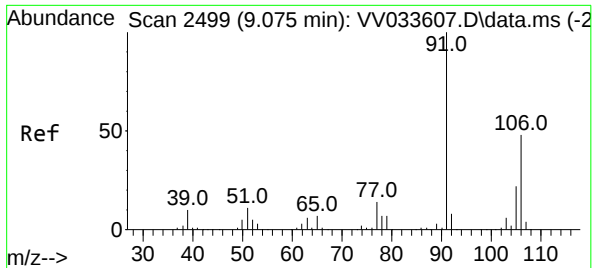
Tgt Ion: 43	Resp: 10767
Ion Ratio	Lower Upper
43 100	
58 50.9	40.6 61.0
57 19.8	13.8 20.8
100 7.6	8.5 12.7#



#49
Dibromochloromethane
Concen: 0.399 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.267 min
Lab File: VV033612.D
Acq: 12 Jan 2024 22:17

Tgt Ion:129	Resp:	2721	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.6	99.6#

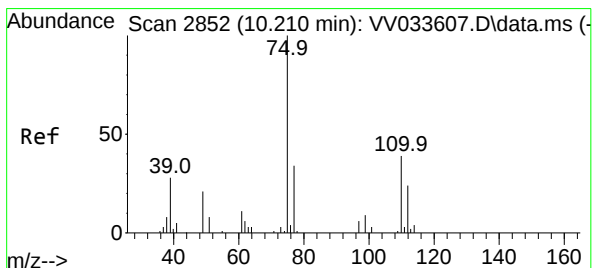
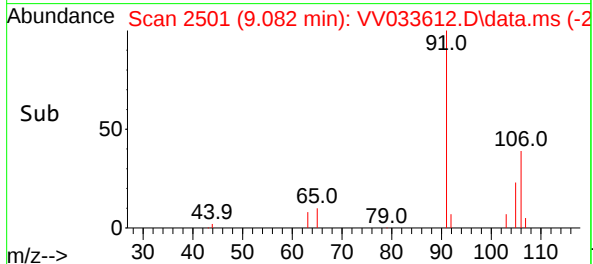
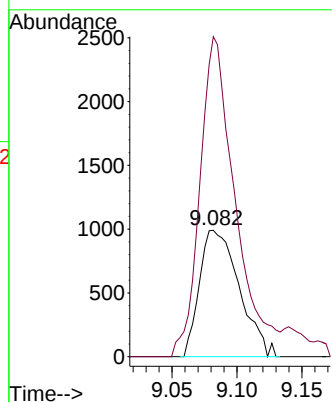
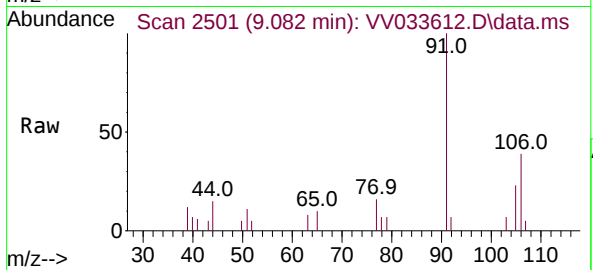




#53
 m,p-Xylene
 Concen: 0.118 ug/L
 RT: 9.082 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17

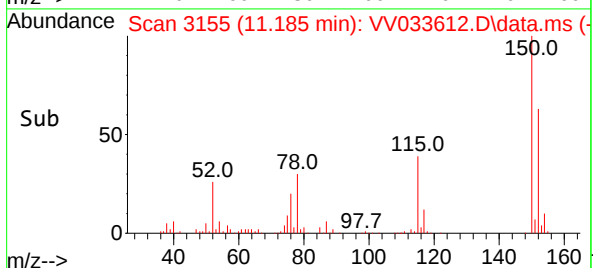
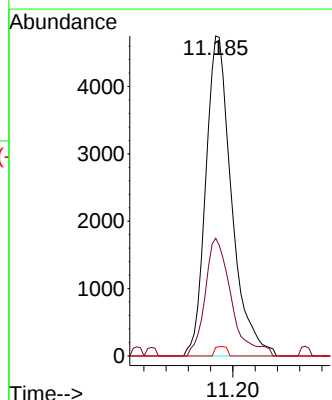
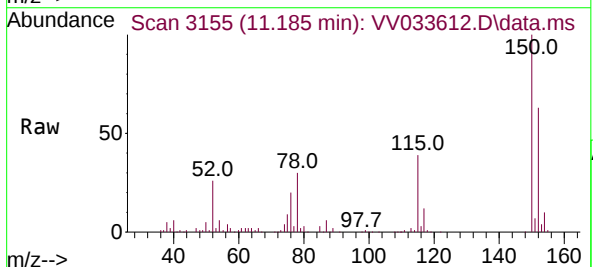
Instrument :
 MSVOA_V
 ClientSampleId :

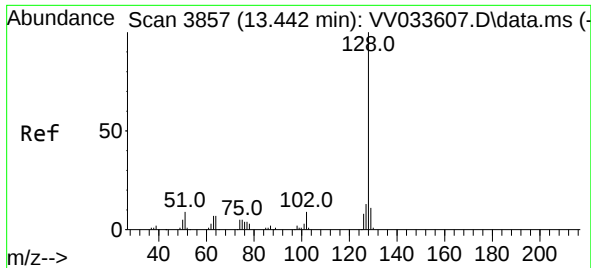
Tgt Ion:106 Resp: 2113
 Ion Ratio Lower Upper
 106 100
 91 253.2 146.2 271.4



#61
 1,2,3-Trichloropropane
 Concen: 1.704 ug/L
 RT: 11.185 min Scan# 3155
 Delta R.T. 0.974 min
 Lab File: VV033612.D
 Acq: 12 Jan 2024 22:17

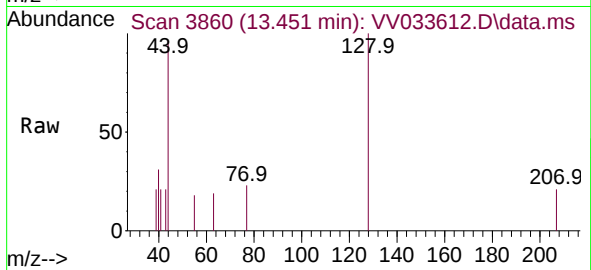
Tgt Ion: 75 Resp: 7635
 Ion Ratio Lower Upper
 75 100
 77 37.2 24.7 37.1#
 110 1.3 28.0 42.0#





#71
Naphthalene
Concen: 0.068 ug/L
RT: 13.451 min Scan# 3857
Delta R.T. 0.010 min
Lab File: VV033612.D
Acq: 12 Jan 2024 22:17

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1431
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.4 15.6#

