

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033685.D
 Acq On : 16 Jan 2024 21:22
 Operator : SY/MD
 Sample : P1131-17DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 03:30:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 17 01:35:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	111657	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	101593	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	52215	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	20066	3.286	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.532	69	22099	4.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.060	65	10232	3.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	3.838	46	69792	46.751	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.500%
24) Chloroform-d	4.252	84	57794	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	4.947	65	28619	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	4.963	84	104913	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	5.992	67	36881	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.246	98	90660	4.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	7.561	79	12564	4.447	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.030	63	60368	54.420	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.840%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	23646	4.952	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	37464	4.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
8) Chloroethane	1.558	64	1765	0.250	ug/L #	58
15) Methyl Acetate	2.375	43	548	0.189	ug/L #	56
16) Methylene chloride	2.449	84	2030	0.219	ug/L	88
30) Cyclohexane	4.580	56	6265	0.363	ug/L	95
33) Benzene	5.018	78	17534	0.486	ug/L	100
35) Methylcyclohexane	6.047	83	6318	0.389	ug/L	97
37) 1,2-Dichloropropane	5.989	63	4113	0.459	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	1035	0.081	ug/L #	67
42) Toluene	7.330	91	6952	0.182	ug/L	94
45) 1,1,2-Trichloroethane	7.719	97	572	0.115	ug/L #	15
48) 2-Hexanone	8.098	43	7902	2.620	ug/L #	92
51) Chlorobenzene	8.812	112	147716	6.321	ug/L	99
53) m,p-Xylene	9.085	106	1017	0.062	ug/L	99
54) o-Xylene	9.481	106	5636	0.355	ug/L	91
60) Isopropylbenzene	9.870	105	46192	1.118	ug/L	98
61) 1,2,3-Trichloropropane	9.870	75	553	0.132	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.477	105	5802	0.163	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	2418	0.067	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	4168	0.228	ug/L	94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 17 01:35:32 2024
Response via : Initial Calibration

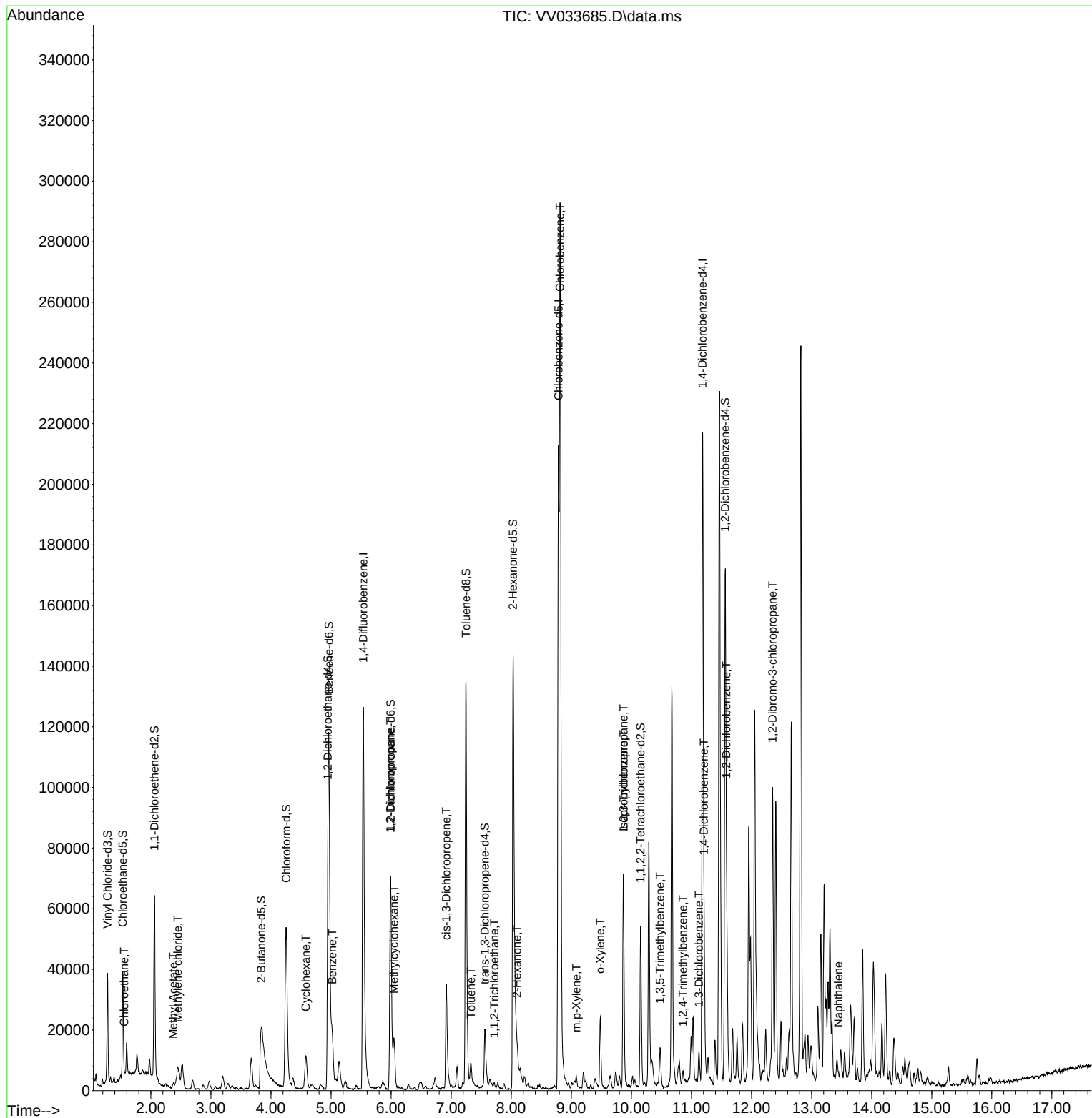
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.210	146	15580	0.871	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	10960	0.690	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	395	0.429	ug/L #	5
71) Naphthalene	13.445	128	1840	0.093	ug/L #	78

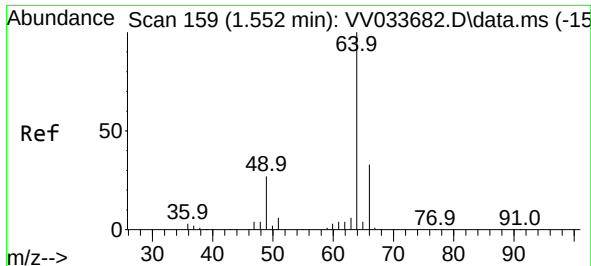
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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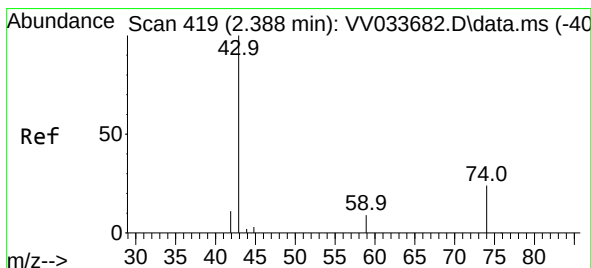
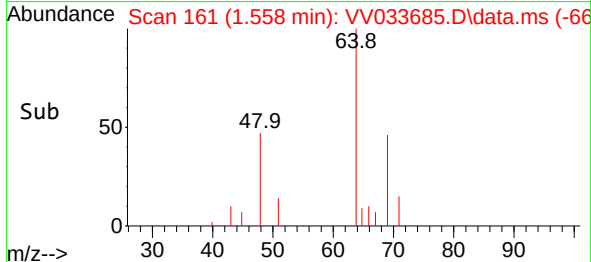
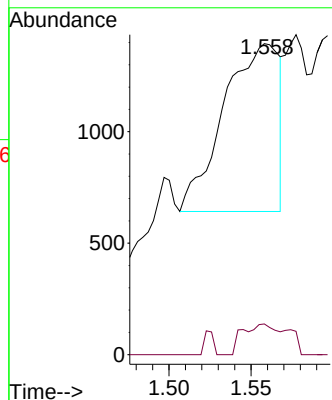
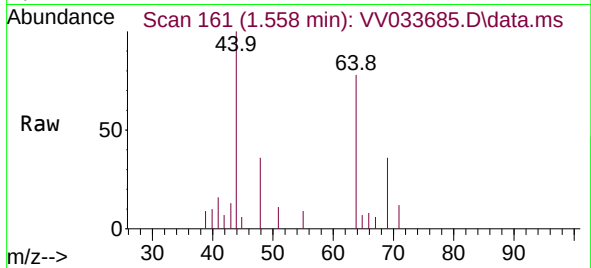




#8
Chloroethane
Concen: 0.250 ug/L
RT: 1.558 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

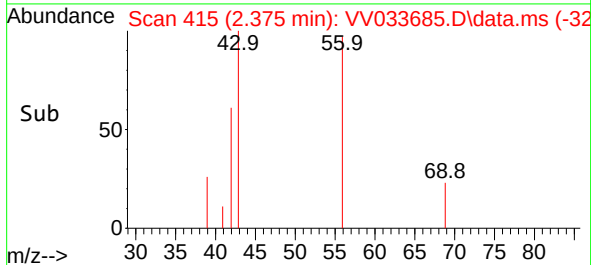
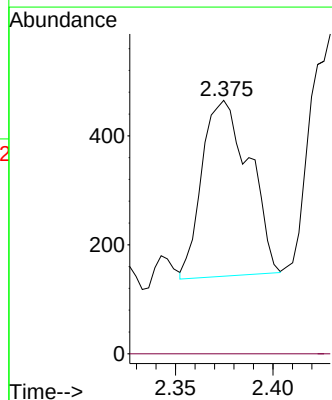
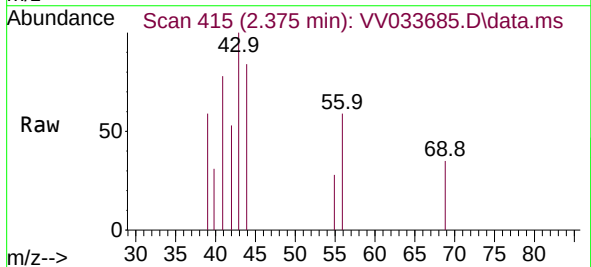
Instrument :
MSVOA_V
ClientSampleId :

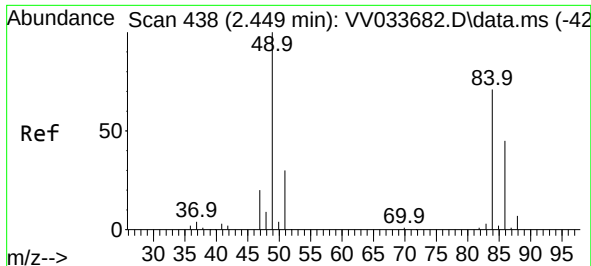
Tgt Ion: 64 Resp: 1765
Ion Ratio Lower Upper
64 100
66 9.1 22.6 42.0#



#15
Methyl Acetate
Concen: 0.189 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.013 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

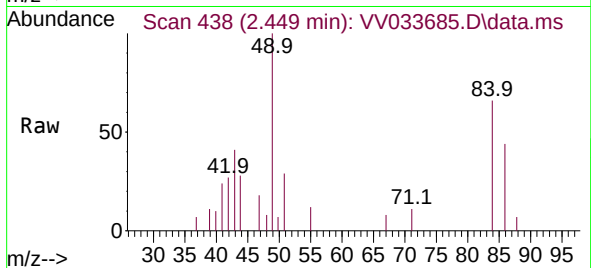
Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



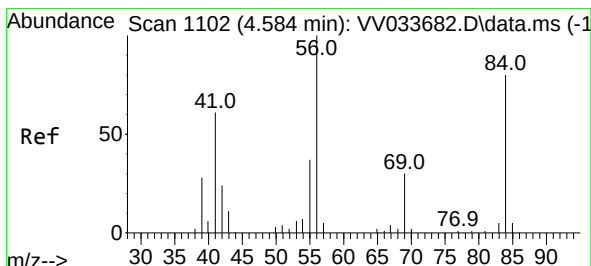
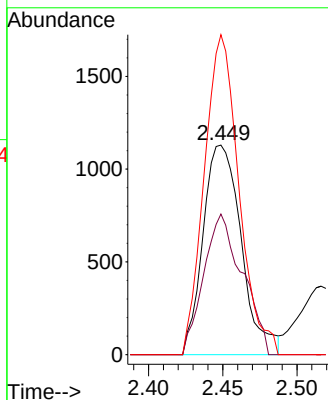
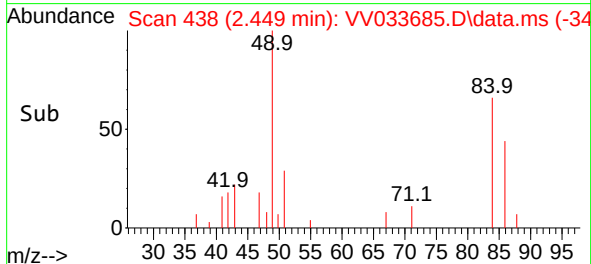


#16
Methylene chloride
Concen: 0.219 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

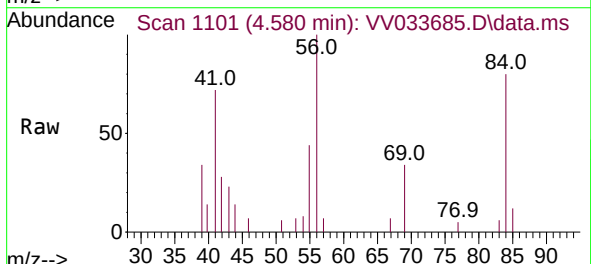
Instrument :
MSVOA_V
ClientSampleId :



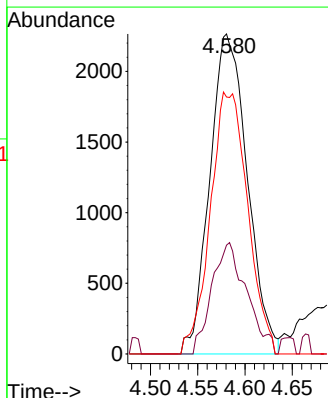
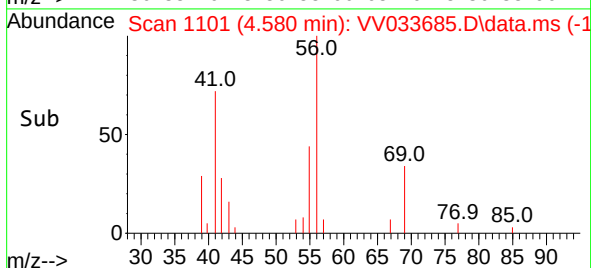
Tgt Ion: 84 Resp: 2030
Ion Ratio Lower Upper
84 100
86 67.1 45.5 84.5
49 162.7 100.3 186.3

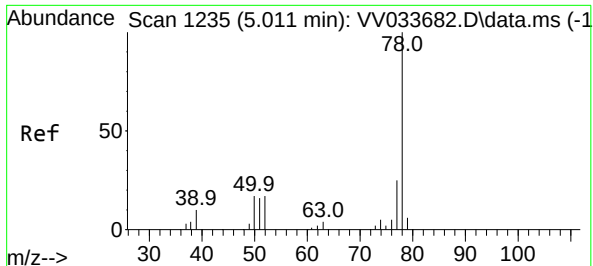


#30
Cyclohexane
Concen: 0.363 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22



Tgt Ion: 56 Resp: 6265
Ion Ratio Lower Upper
56 100
69 32.3 23.3 34.9
84 81.3 61.7 92.5

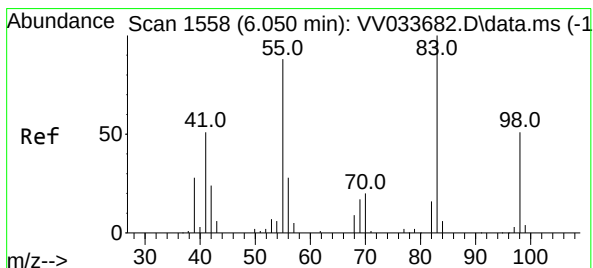
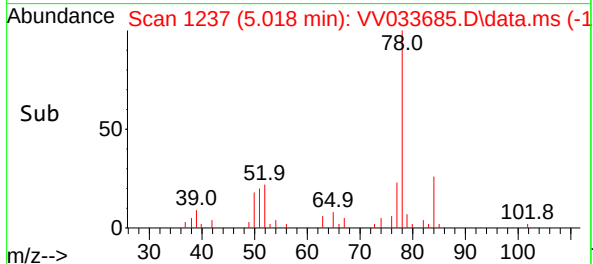
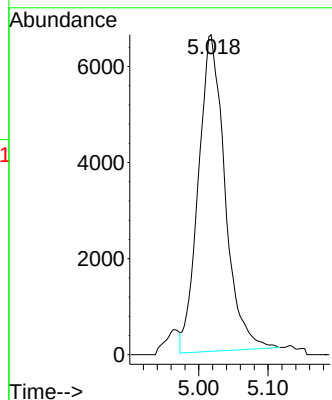
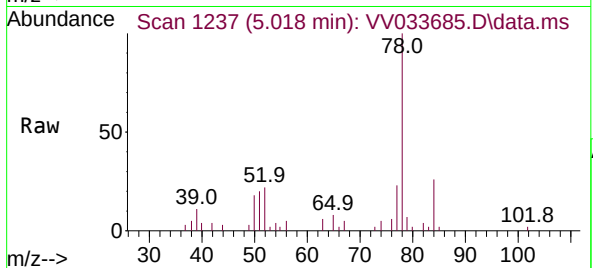




#33
Benzene
Concen: 0.486 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

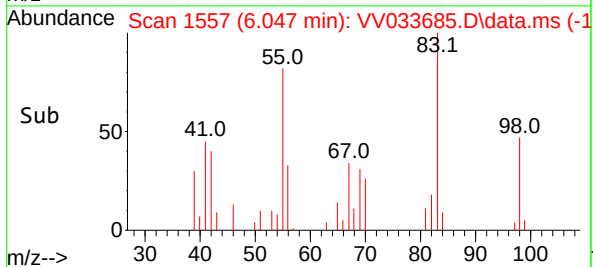
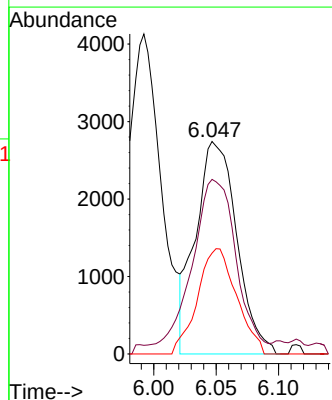
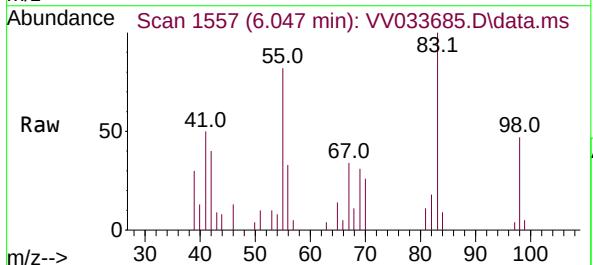
Instrument :
MSVOA_V
ClientSampleId :

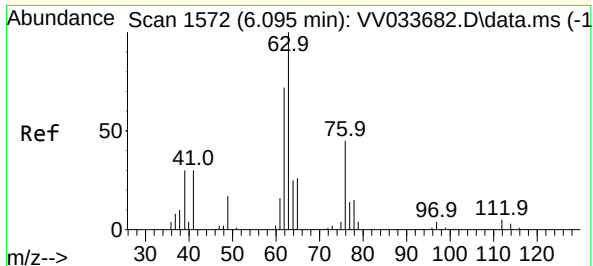
Tgt Ion: 78 Resp: 17534



#35
Methylcyclohexane
Concen: 0.389 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. -0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Tgt Ion: 83 Resp: 6318
Ion Ratio Lower Upper
83 100
55 82.9 68.7 103.1
98 46.9 38.3 57.5

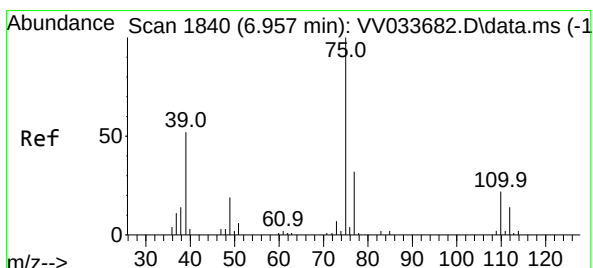
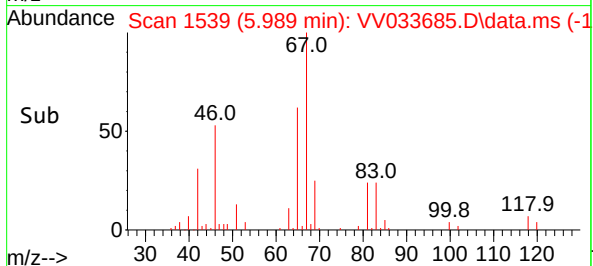
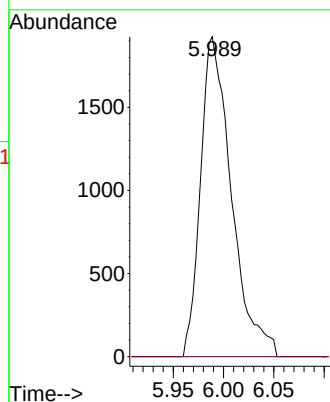
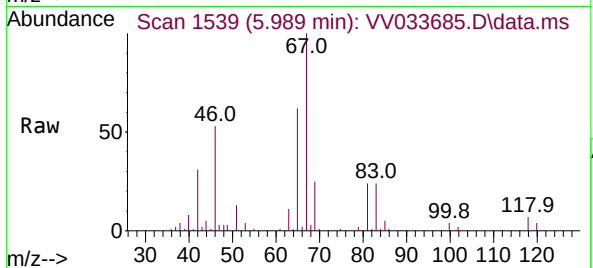




#37
1,2-Dichloropropane
Concen: 0.459 ug/L
RT: 5.989 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

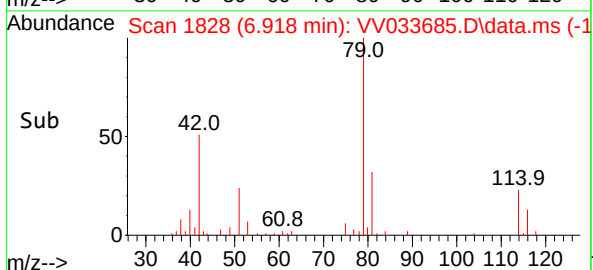
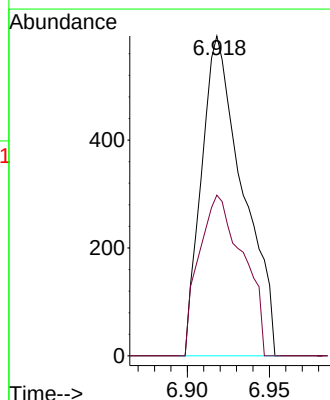
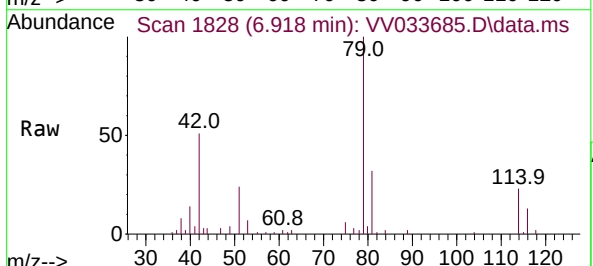
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MSVOA_V
ClientSampleId :

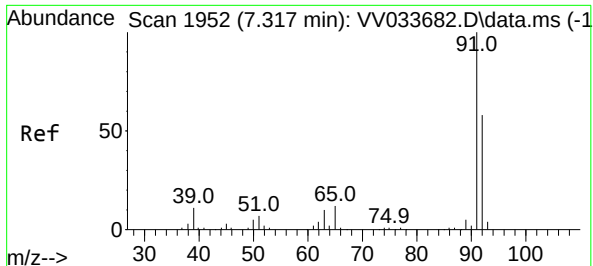
Tgt Ion: 63 Resp: 4113
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#39
cis-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 6.918 min Scan# 1828
Delta R.T. -0.039 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Tgt Ion: 75 Resp: 1035
Ion Ratio Lower Upper
75 100
77 50.3 22.5 41.7#





#42

Toluene

Concen: 0.182 ug/L

RT: 7.330 min Scan# 1952

Delta R.T. 0.013 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

Instrument :

MSVOA_V

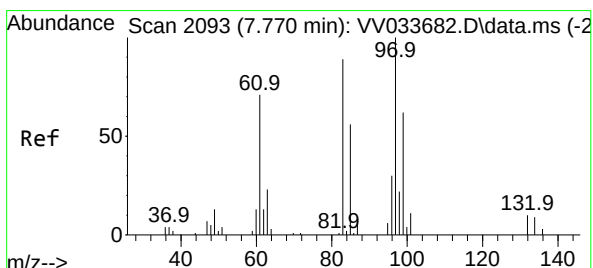
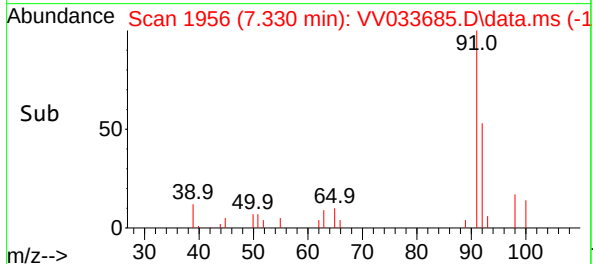
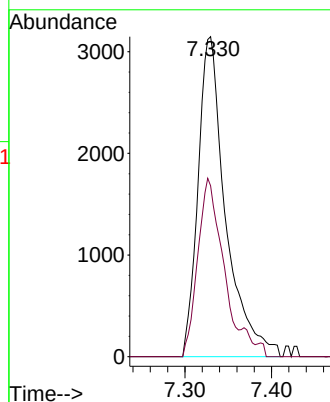
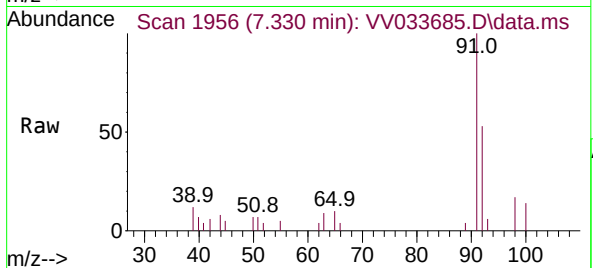
ClientSampleId :

Tgt Ion: 91 Resp: 6952

Ion Ratio Lower Upper

91 100

92 53.4 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.115 ug/L

RT: 7.719 min Scan# 2077

Delta R.T. -0.051 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

Tgt Ion: 97 Resp: 572

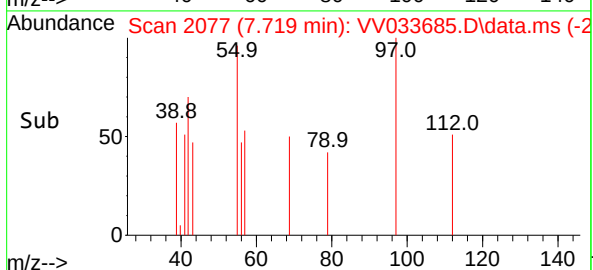
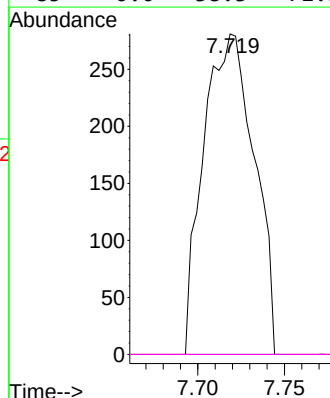
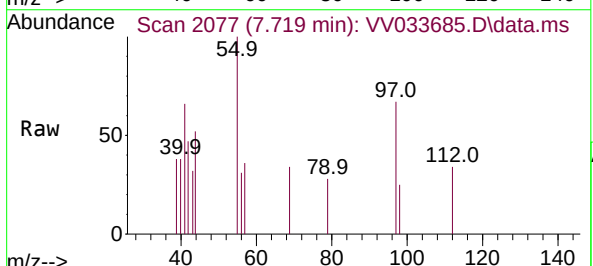
Ion Ratio Lower Upper

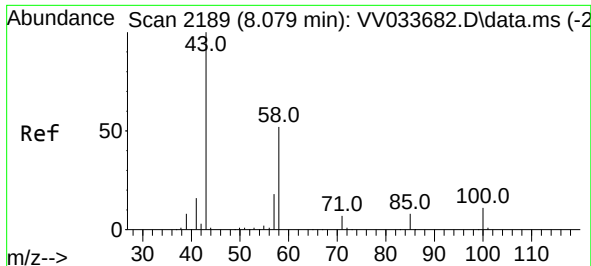
97 100

99 0.0 44.9 83.3#

83 0.0 60.5 112.3#

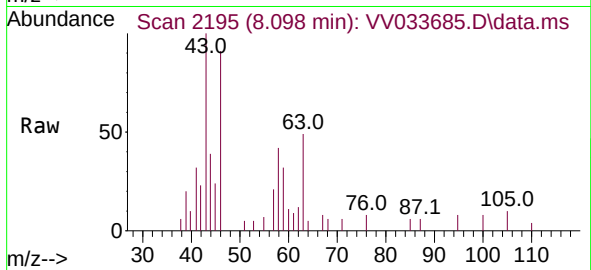
85 0.0 38.3 71.1#



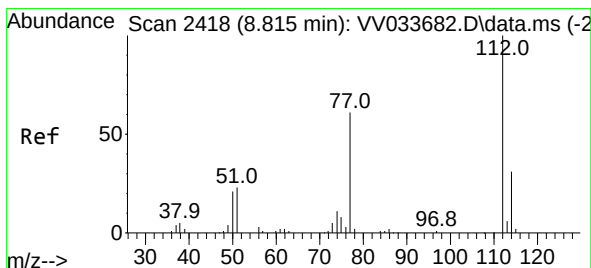
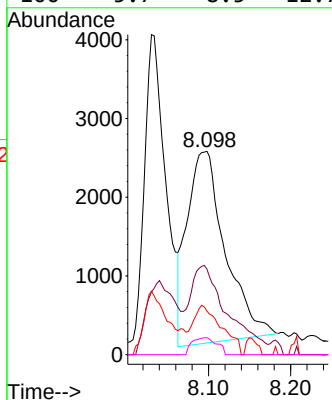
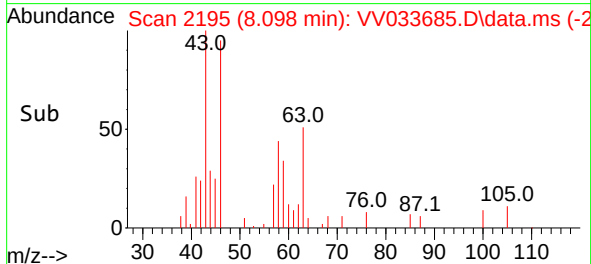


#48
2-Hexanone
Concen: 2.620 ug/L
RT: 8.098 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Instrument :
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ClientSampleId :

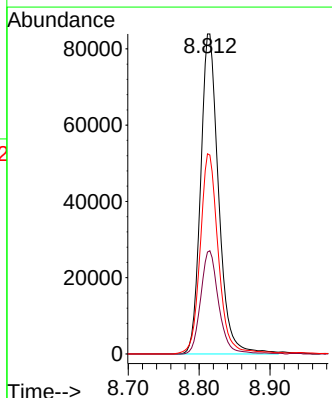
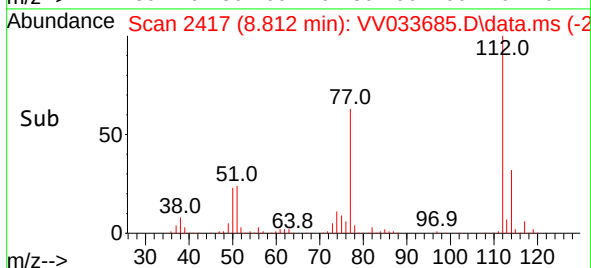
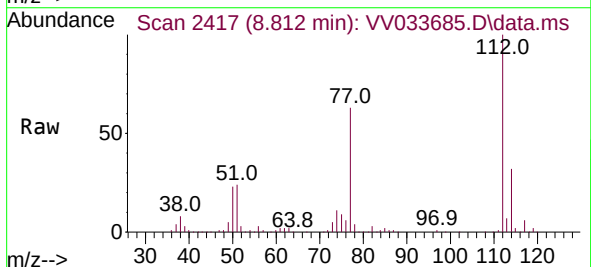


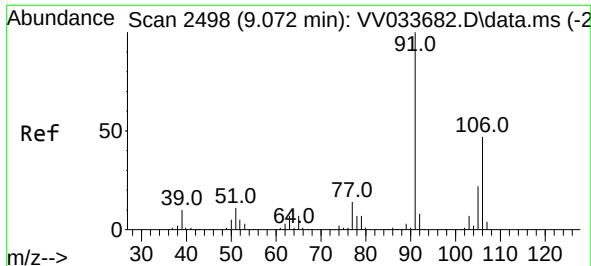
Tgt Ion: 43	Resp: 7902
Ion Ratio	Lower Upper
43 100	
58 45.8	40.6 61.0
57 19.5	13.8 20.8
100 5.7	8.5 12.7#



#51
Chlorobenzene
Concen: 6.321 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Tgt Ion:112	Resp: 147716		
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.9	42.5
77	62.5	50.8	76.2

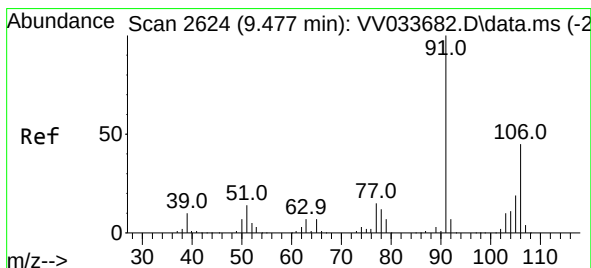
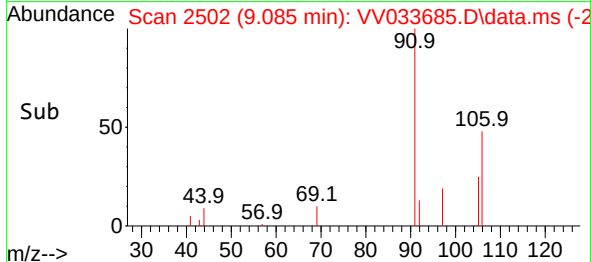
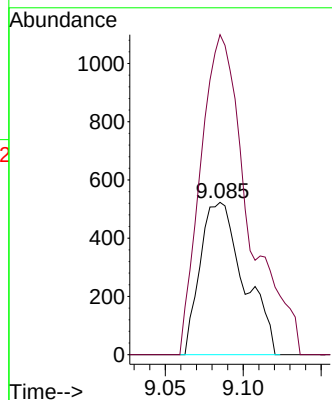
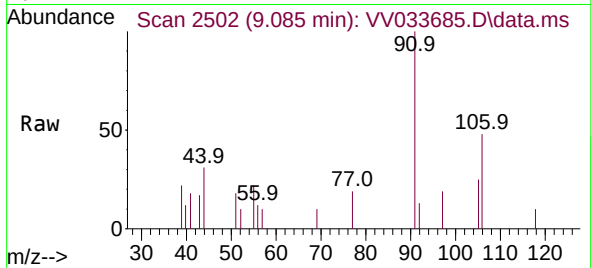




#53
m,p-Xylene
Concen: 0.062 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

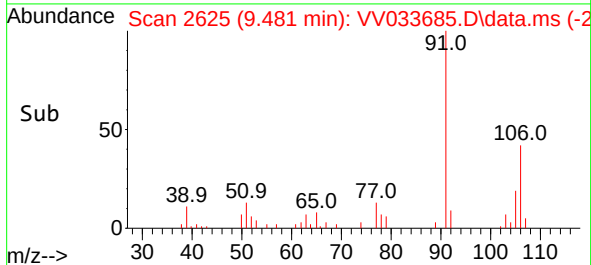
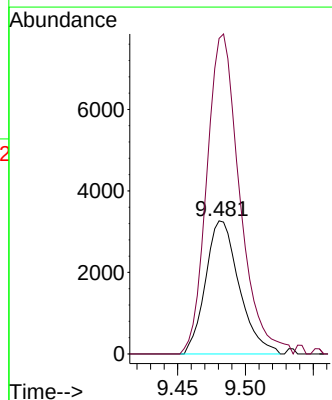
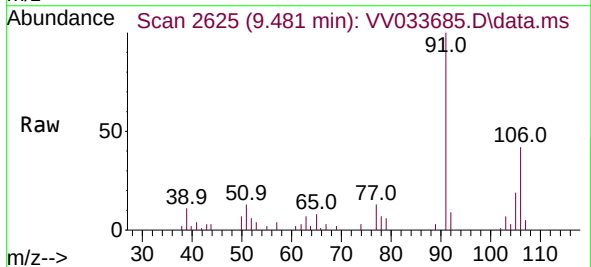
Instrument :
MSVOA_V
ClientSampleId :

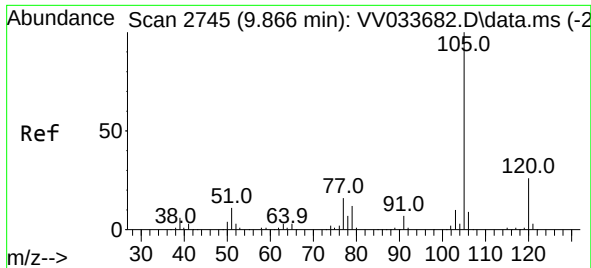
Tgt Ion:106 Resp: 1017
Ion Ratio Lower Upper
106 100
91 210.1 146.2 271.4



#54
o-Xylene
Concen: 0.355 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Tgt Ion:106 Resp: 5636
Ion Ratio Lower Upper
106 100
91 236.9 156.0 289.6

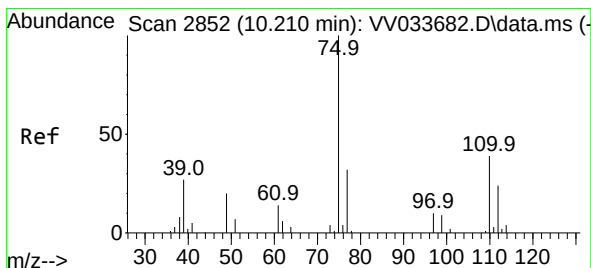
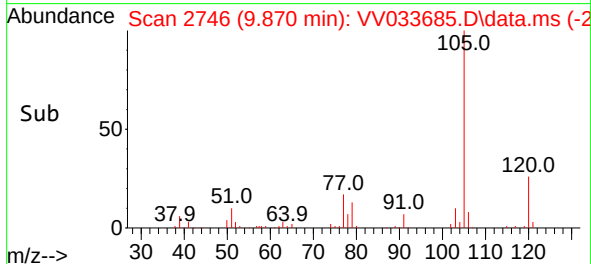
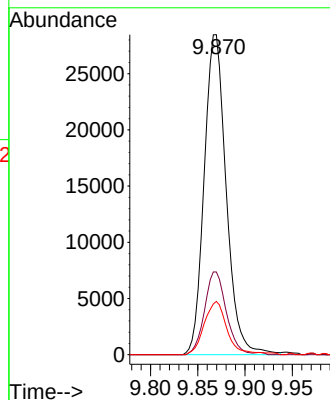
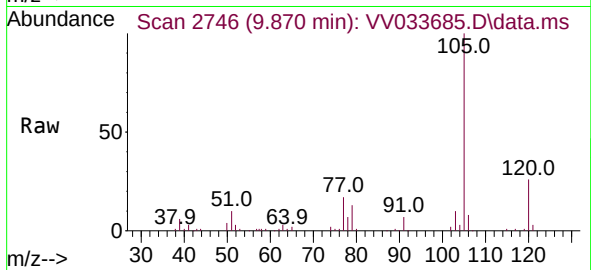




#60
Isopropylbenzene
Concen: 1.118 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

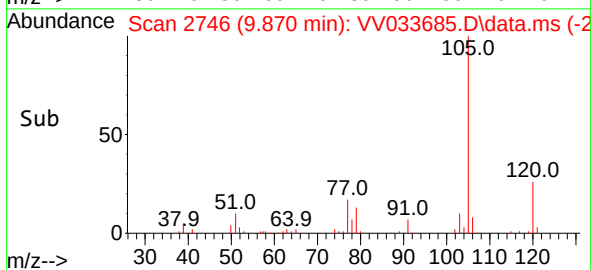
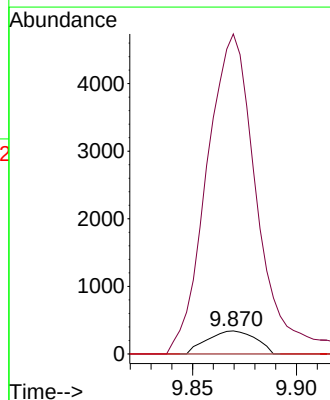
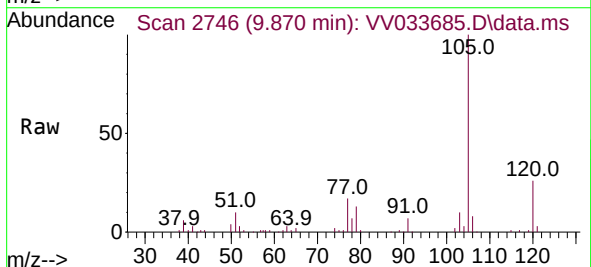
Instrument :
MSVOA_V
ClientSampleId :

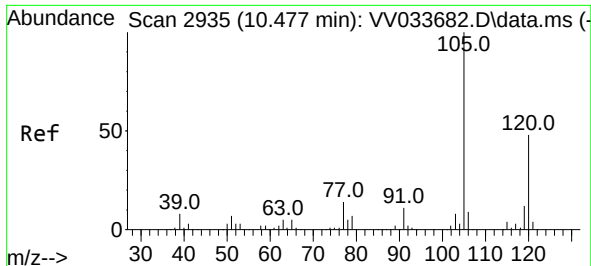
Tgt Ion:105 Resp: 46192
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.6
77 17.5 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 0.132 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. -0.341 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Tgt Ion: 75 Resp: 553
Ion Ratio Lower Upper
75 100
77 1459.0 24.7 37.1#
110 0.0 28.0 42.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.163 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

Instrument :

MSVOA_V

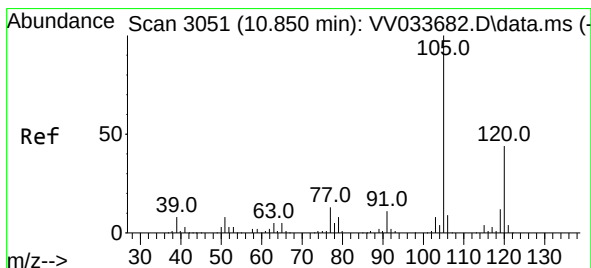
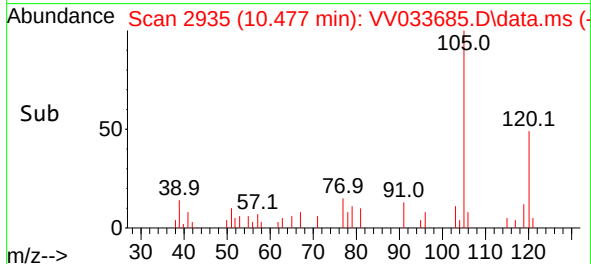
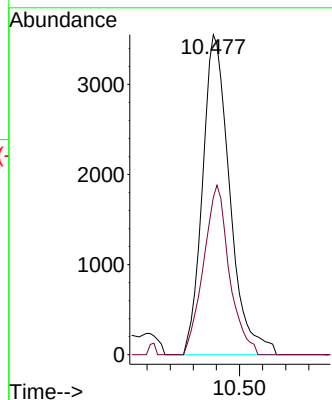
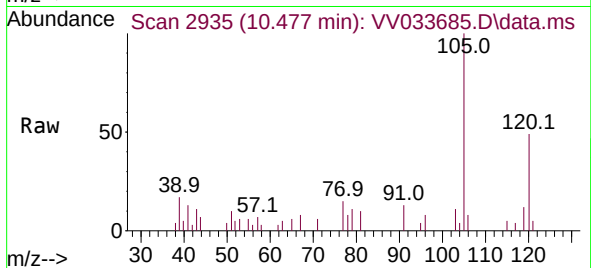
ClientSampleId :

Tgt Ion:105 Resp: 5802

Ion Ratio Lower Upper

105 100

120 50.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.067 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VV033685.D

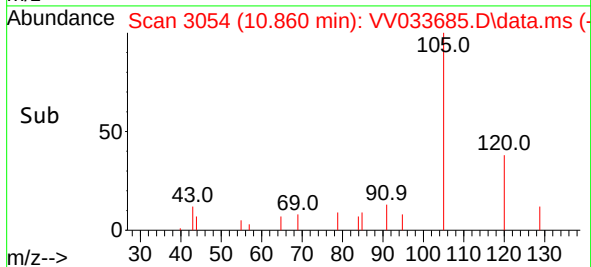
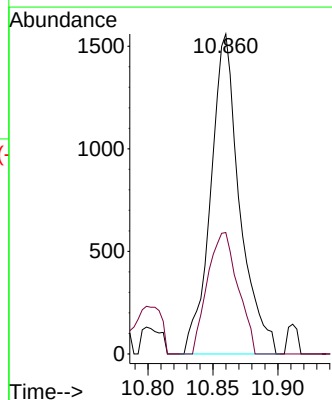
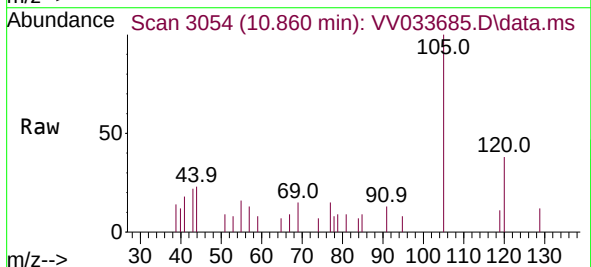
Acq: 16 Jan 2024 21:22

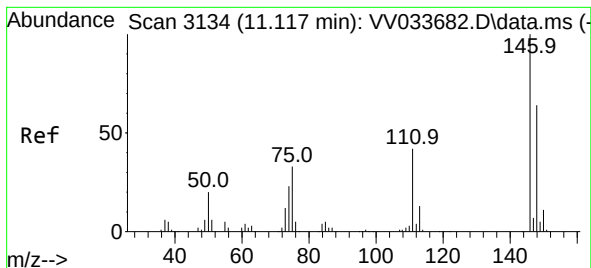
Tgt Ion:105 Resp: 2418

Ion Ratio Lower Upper

105 100

120 39.8 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 0.228 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.010 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

Instrument :

MSVOA_V

ClientSampleId :

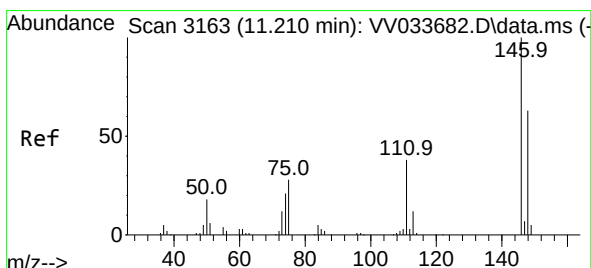
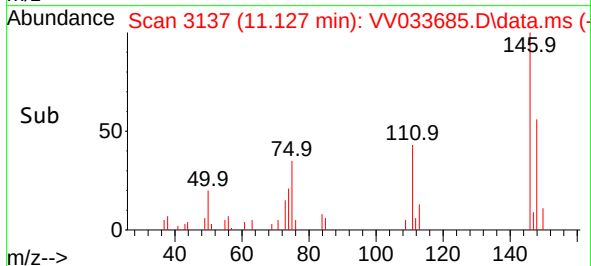
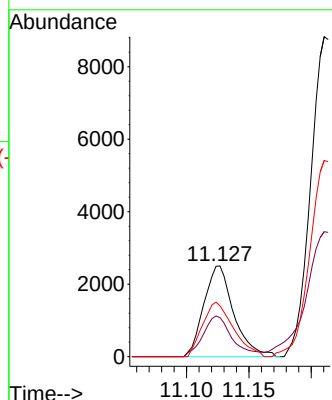
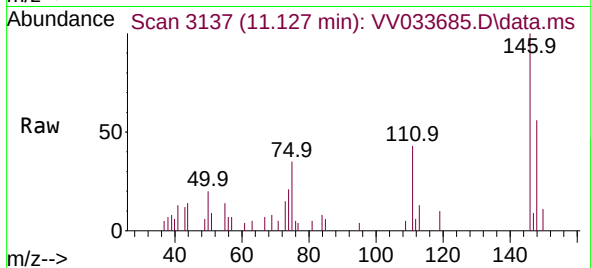
Tgt Ion:146 Resp: 4168

Ion Ratio Lower Upper

146 100

111 43.0 29.2 54.2

148 55.9 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 0.871 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

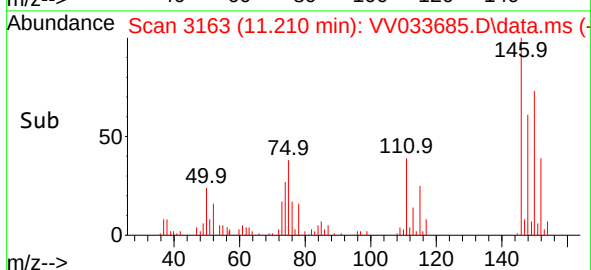
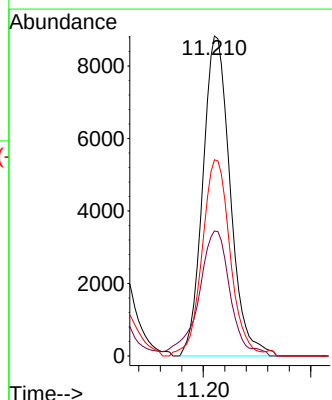
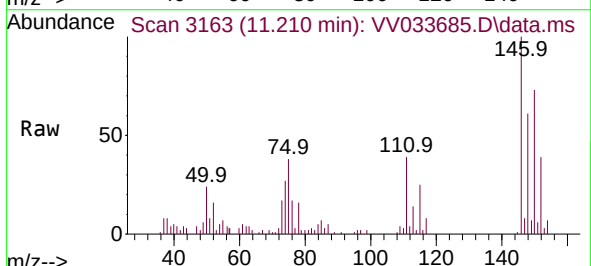
Tgt Ion:146 Resp: 15580

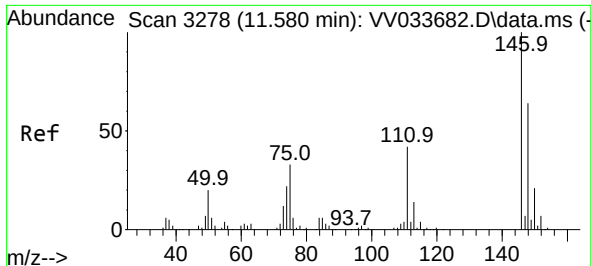
Ion Ratio Lower Upper

146 100

111 39.1 27.5 51.1

148 61.3 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 0.690 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

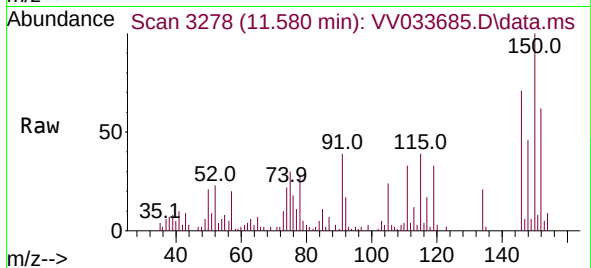
Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

Instrument :

MSVOA_V

ClientSampleId :



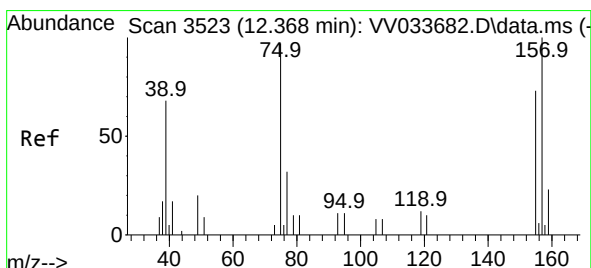
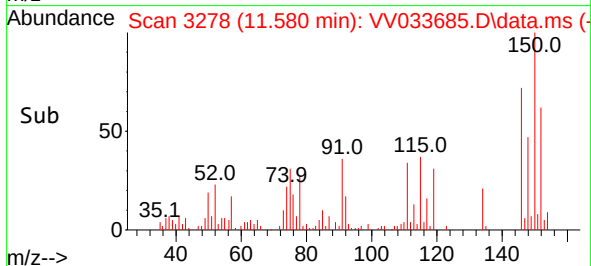
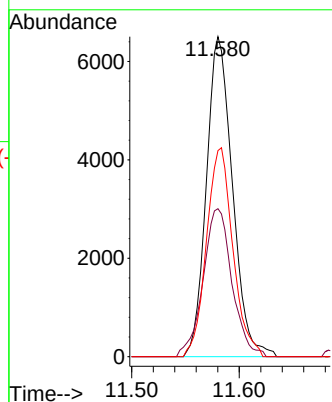
Tgt Ion:146 Resp: 10960

Ion Ratio Lower Upper

146 100

111 46.2 36.1 54.1

148 64.4 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.429 ug/L

RT: 12.352 min Scan# 3518

Delta R.T. -0.016 min

Lab File: VV033685.D

Acq: 16 Jan 2024 21:22

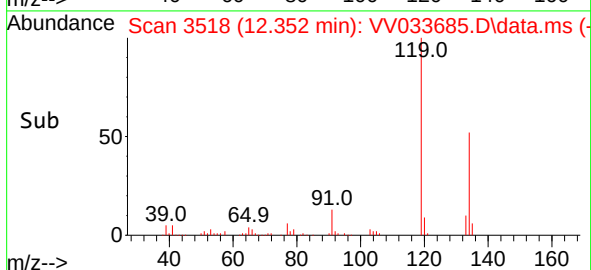
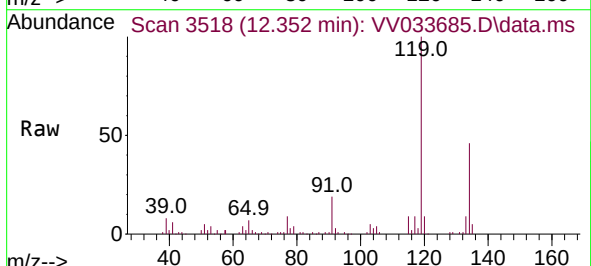
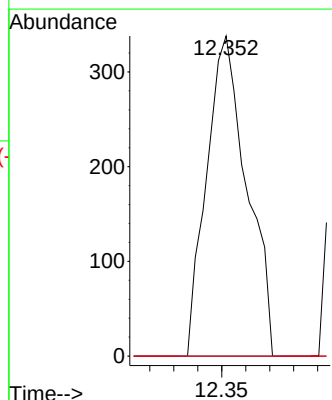
Tgt Ion: 75 Resp: 395

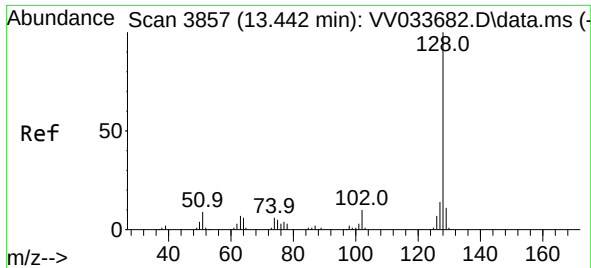
Ion Ratio Lower Upper

75 100

155 0.0 65.3 97.9#

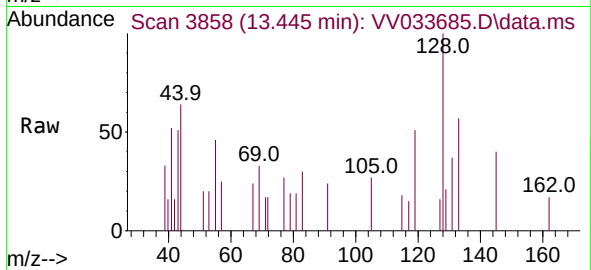
157 0.0 75.4 113.0#





#71
Naphthalene
Concen: 0.093 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.003 min
Lab File: VV033685.D
Acq: 16 Jan 2024 21:22

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1840
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 6.8 10.4 15.6#

