

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040224\
 Data File : VV034937.D
 Acq On : 02 Apr 2024 17:33
 Operator : SY/MD
 Sample : P1925-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 05:22:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 03 05:08:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	161812	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	176276	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.207	152	118459	5.000	ug/L	# 0.02

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	73837	5.537	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.800%
7) Chloroethane-d5	1.529	69	57665	5.245	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.053	65	30671	5.064	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.200%
20) 2-Butanone-d5	3.860	46	91411	43.810	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.620%
24) Chloroform-d	4.249	84	106967	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	4.944	65	53228	5.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
32) Benzene-d6	4.960	84	218183	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.989	67	68812	5.084	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.243	98	186751	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.561	79	20913	4.350	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.030	63	95886	58.111	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.220%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	50990	5.400	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	80901	4.336	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%

Target Compounds					Qvalue
3) Chloromethane	1.207	50	4185	0.277	ug/L 99
5) Vinyl chloride	1.275	62	139381	8.628	ug/L 100
8) Chloroethane	1.275	64	45712	4.402	ug/L # 49
12) 1,1-Dichloroethene	2.066	96	4511	0.367	ug/L # 1
16) Methylene chloride	2.445	84	5633	0.418	ug/L 92
17) Methyl tert-butyl Ether	2.709	73	2330	0.088	ug/L # 77
18) trans-1,2-Dichloroethene	2.693	96	39453	3.240	ug/L 95
19) 1,1-Dichloroethane	3.111	63	53012	2.207	ug/L 100
22) cis-1,2-Dichloroethene	3.815	96	81038	6.355	ug/L 99
33) Benzene	5.011	78	156995	2.909	ug/L 100
34) Trichloroethene	5.841	95	13472	0.958	ug/L 89
35) Methylcyclohexane	5.989	83	16884	0.788	ug/L # 19
37) 1,2-Dichloropropane	5.985	63	7528	0.538	ug/L # 87
42) Toluene	7.320	91	92883	1.637	ug/L 100
48) 2-Hexanone	8.095	43	12668	2.658	ug/L # 89
52) Ethylbenzene	8.953	91	15927	0.260	ug/L 98
53) m,p-Xylene	9.075	106	15258	0.678	ug/L 99
54) o-Xylene	9.484	106	6283	0.285	ug/L 94
61) 1,2,3-Trichloropropane	11.133	75	11803115	1067.324	ug/L # 50

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 03 05:08:19 2024
Response via : Initial Calibration

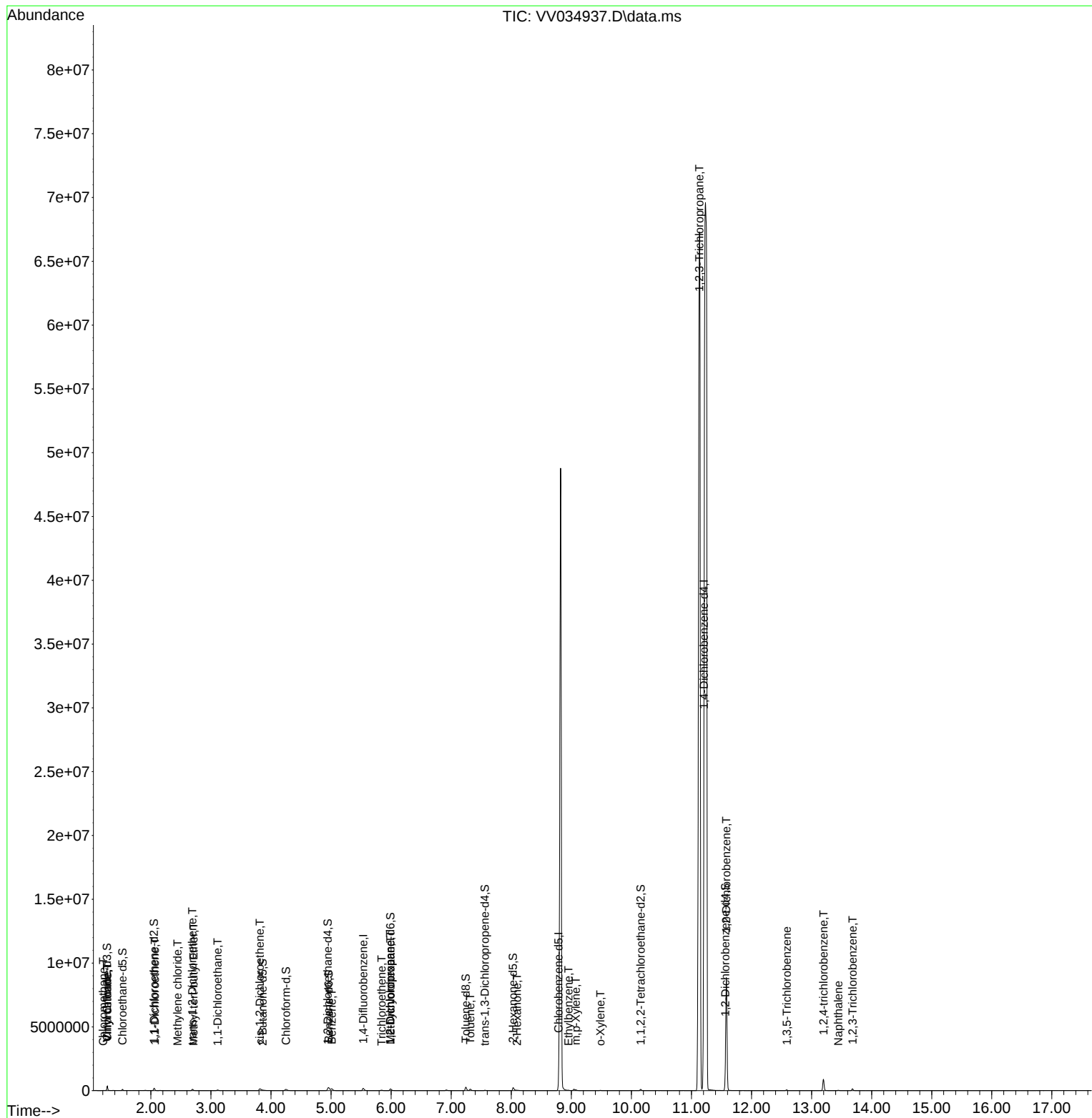
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.580	146	3240322	92.827	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	19834	0.699	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	262073	11.891	ug/L	98
71) Naphthalene	13.445	128	25657	0.828	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	40888	2.109	ug/L	100

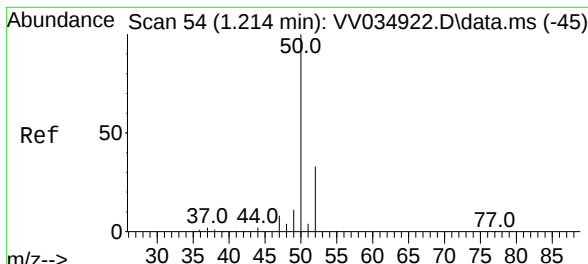
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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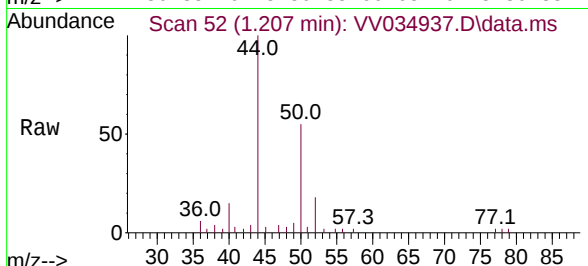
Quant Time: Apr 03 05:22:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
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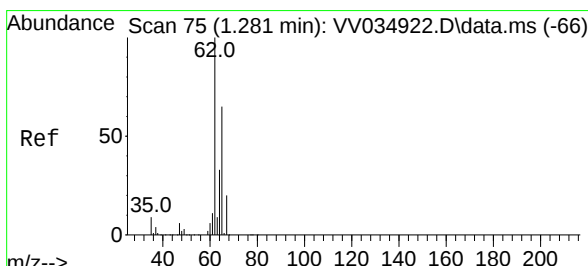
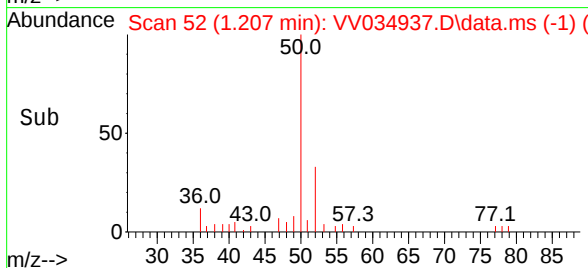
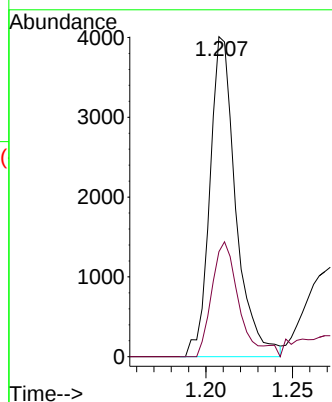


#3
Chloromethane
Concen: 0.277 ug/L
RT: 1.207 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :

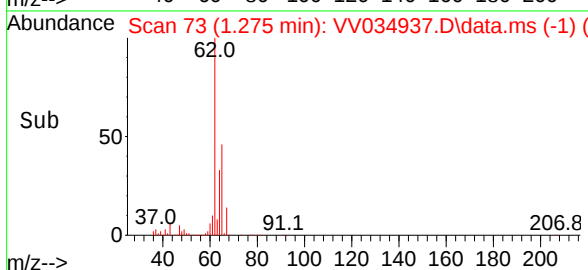
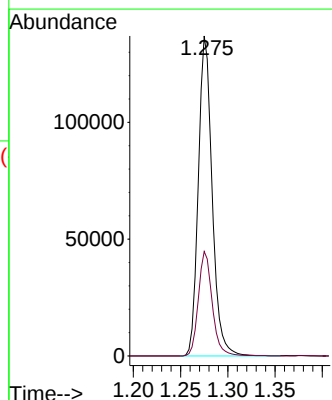
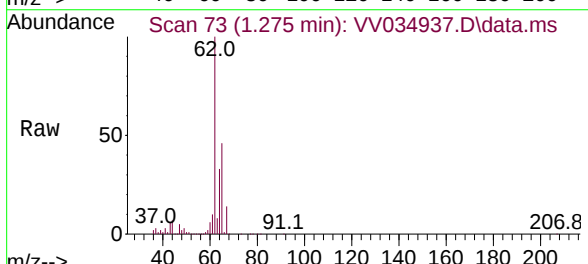


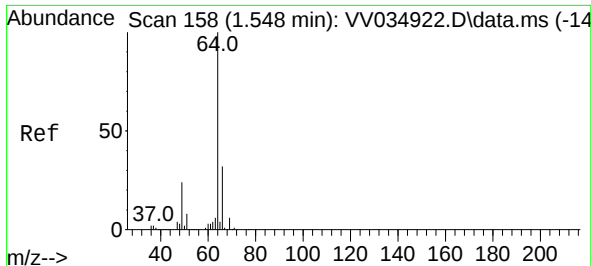
Tgt Ion: 50 Resp: 4185
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4



#5
Vinyl chloride
Concen: 8.628 ug/L
RT: 1.275 min Scan# 73
Delta R.T. -0.006 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion: 62 Resp: 139381
Ion Ratio Lower Upper
62 100
64 32.6 22.9 42.5

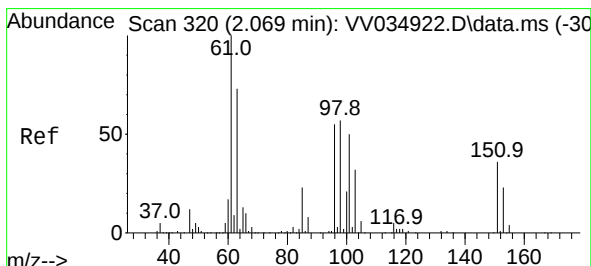
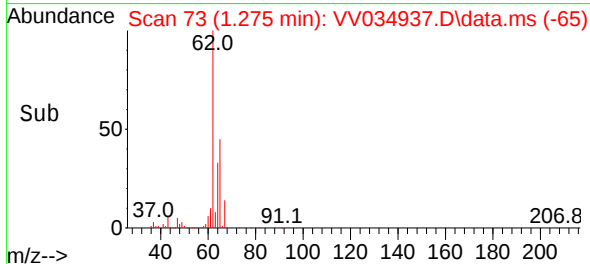
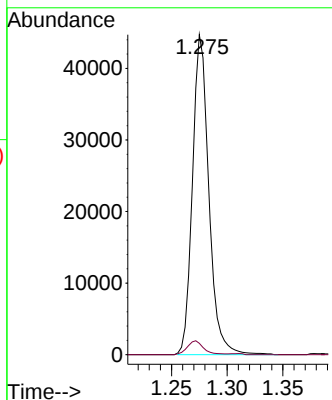
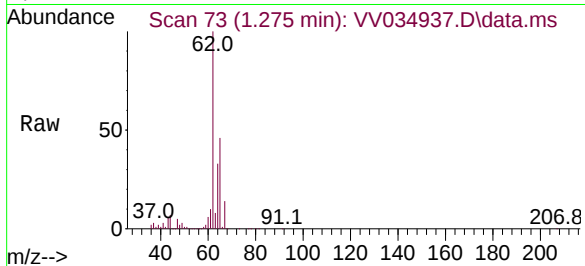




#8
Chloroethane
Concen: 4.402 ug/L
RT: 1.275 min Scan# 71
Delta R.T. -0.273 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

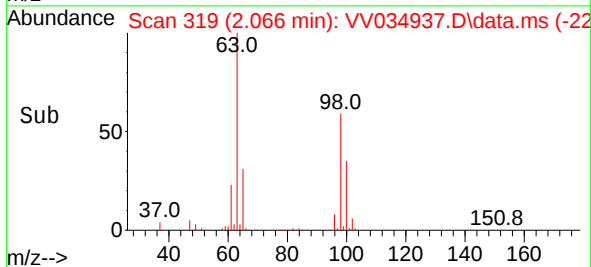
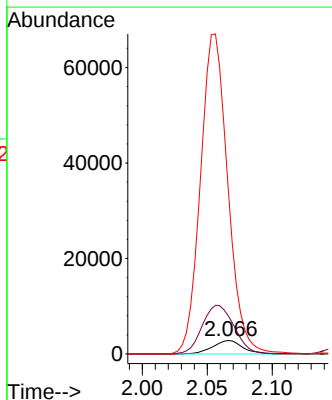
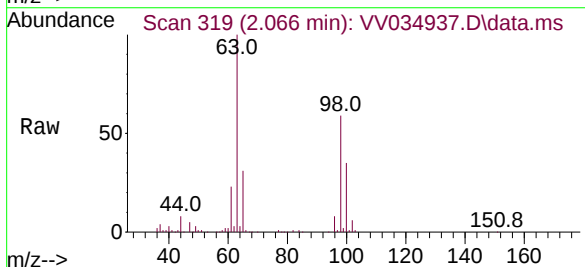
Instrument :
MSVOA_V
ClientSampleId :

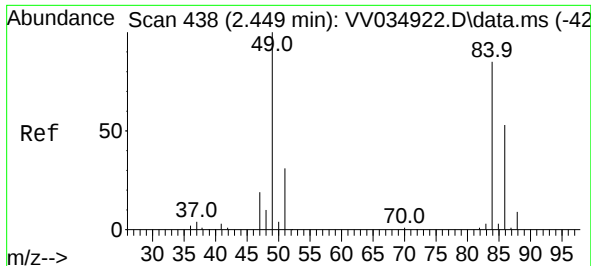
Tgt Ion: 64 Resp: 45712
Ion Ratio Lower Upper
64 100
66 3.6 22.6 42.0#



#12
1,1-Dichloroethene
Concen: 0.367 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion: 96 Resp: 4511
Ion Ratio Lower Upper
96 100
61 287.3 128.1 237.9#
63 1246.3 93.5 173.7#

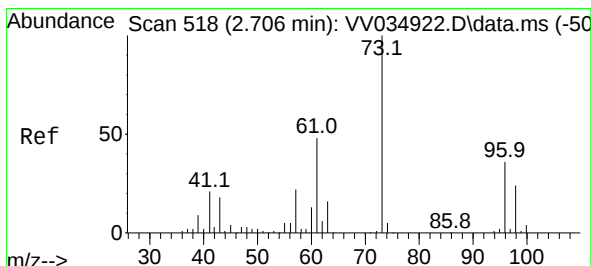
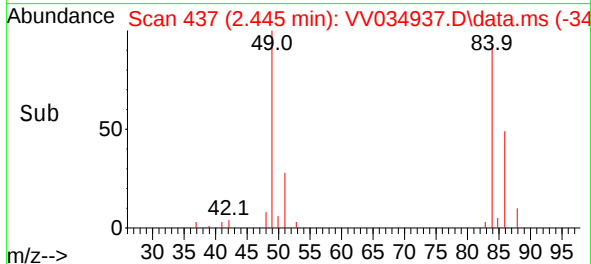
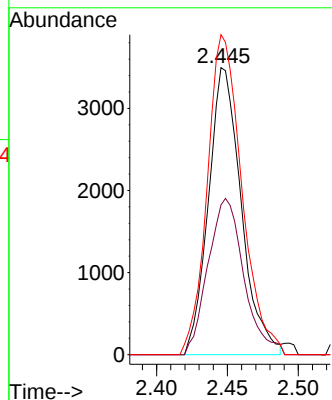
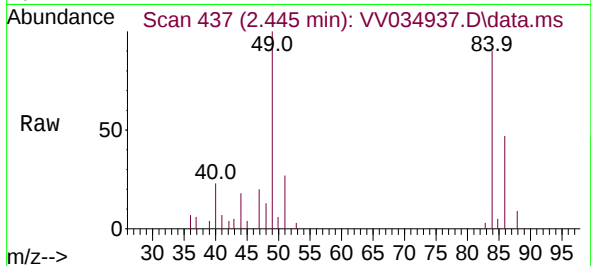




#16
Methylene chloride
Concen: 0.418 ug/L
RT: 2.445 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

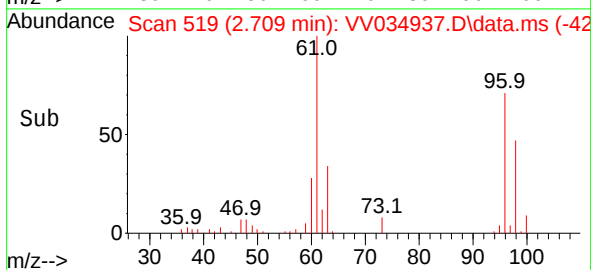
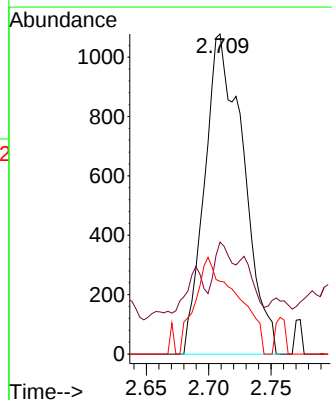
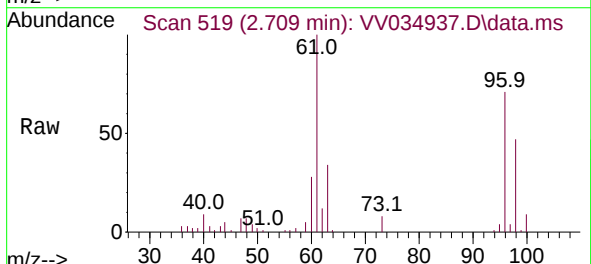
Instrument :
MSVOA_V
ClientSampleId :

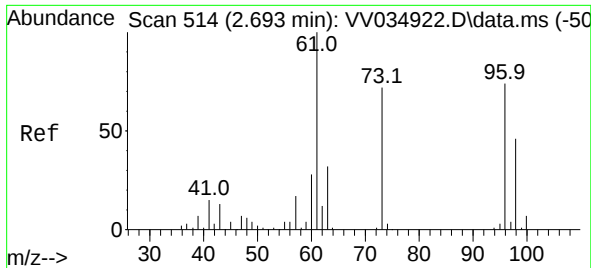
Tgt Ion: 84 Resp: 5633
Ion Ratio Lower Upper
84 100
86 52.2 43.5 80.9
49 111.5 82.5 153.3



#17
Methyl tert-butyl Ether
Concen: 0.088 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

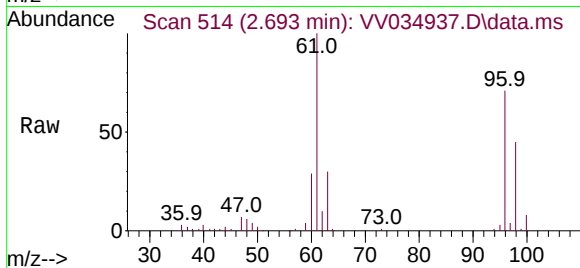
Tgt Ion: 73 Resp: 2330
Ion Ratio Lower Upper
73 100
43 6.9 14.8 22.2#
57 32.8 18.1 27.1#



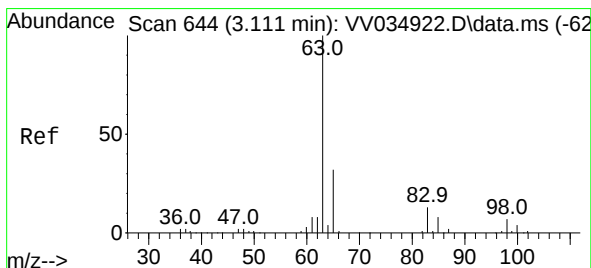
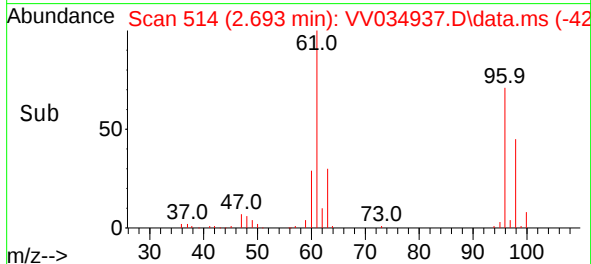
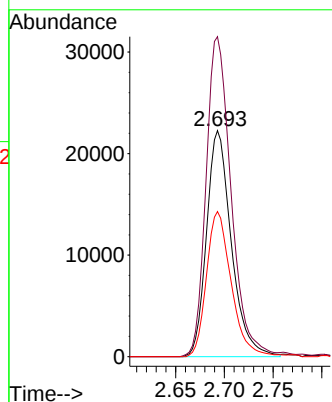


#18
trans-1,2-Dichloroethene
Concen: 3.240 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :

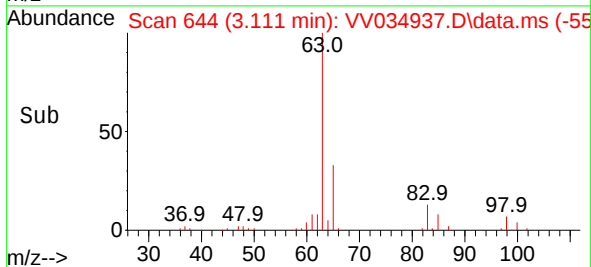
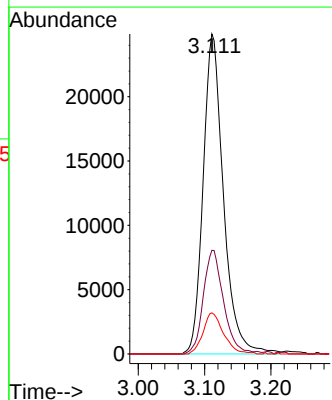
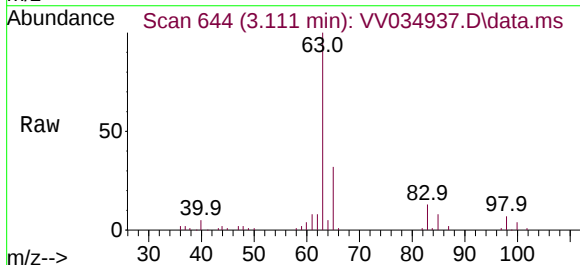


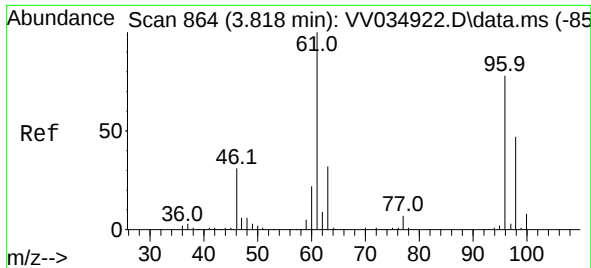
Tgt Ion: 96 Resp: 39453
Ion Ratio Lower Upper
96 100
61 141.5 94.5 175.5
98 64.2 43.5 80.9



#19
1,1-Dichloroethane
Concen: 2.207 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion: 63 Resp: 53012
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.9
83 12.9 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 6.355 ug/L

RT: 3.815 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

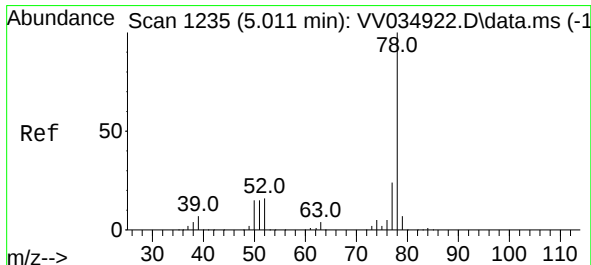
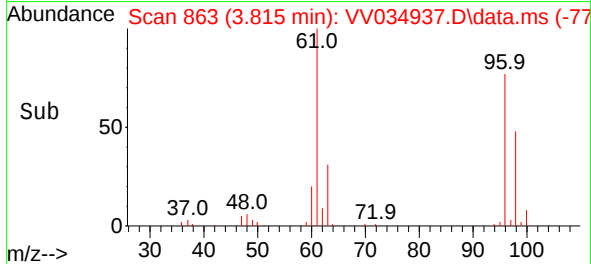
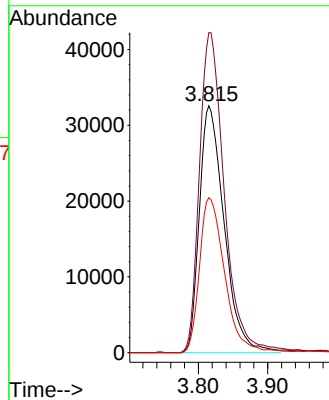
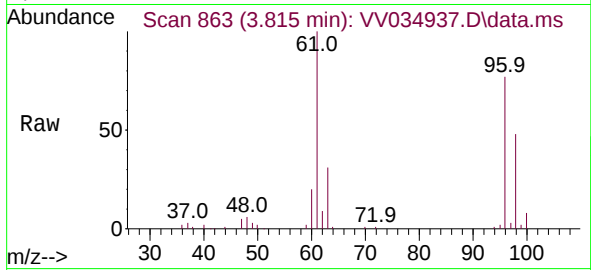
Tgt Ion: 96 Resp: 81038

Ion Ratio Lower Upper

96 100

61 129.6 90.3 167.7

98 62.8 42.7 79.3



#33

Benzene

Concen: 2.909 ug/L

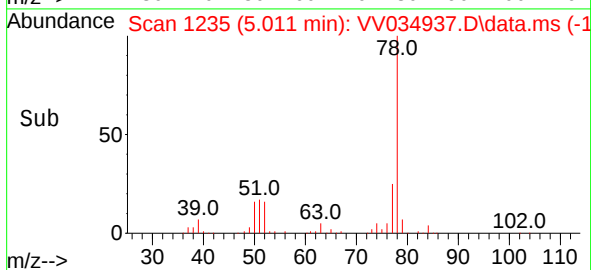
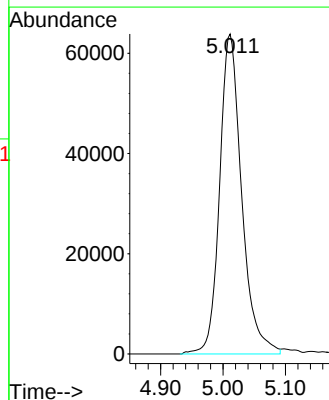
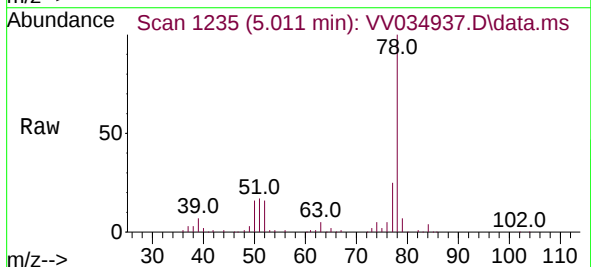
RT: 5.011 min Scan# 1235

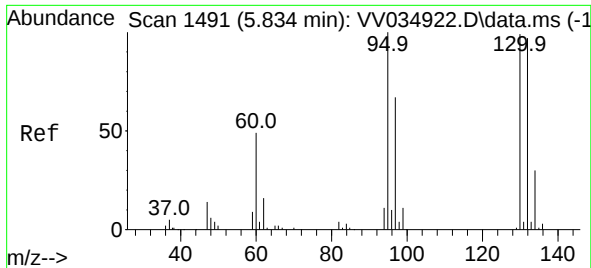
Delta R.T. 0.000 min

Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

Tgt Ion: 78 Resp: 156995

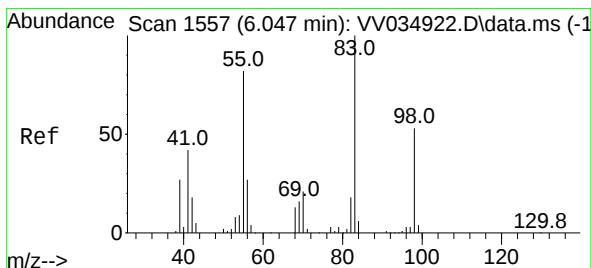
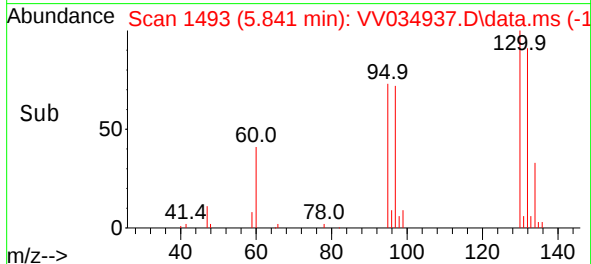
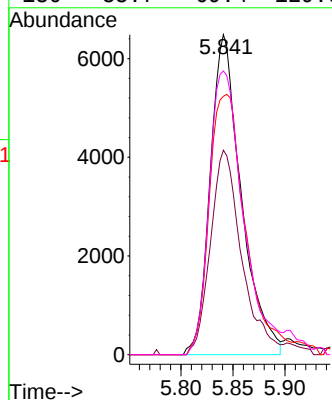
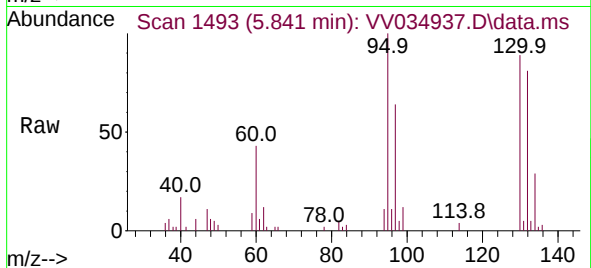




#34
Trichloroethene
Concen: 0.958 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

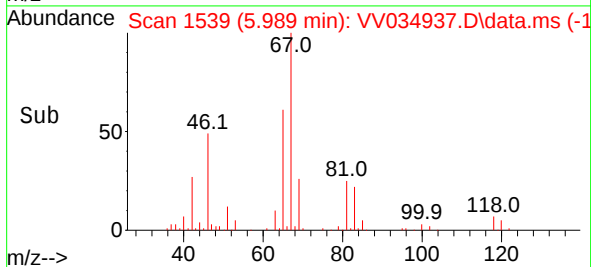
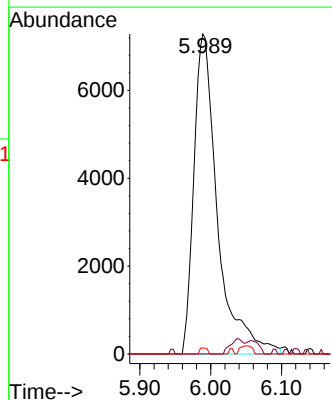
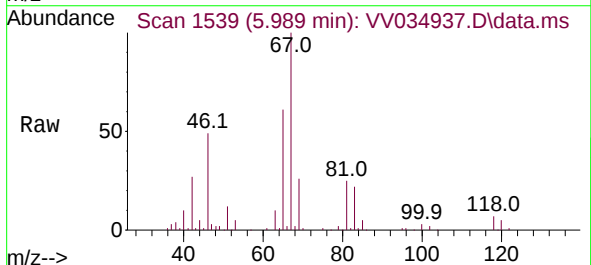
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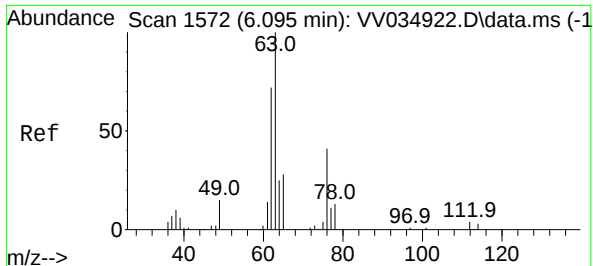
Tgt Ion: 95 Resp: 13472
Ion Ratio Lower Upper
95 100
97 63.9 46.8 86.8
132 80.7 68.0 126.4
130 88.7 69.4 129.0



#35
Methylcyclohexane
Concen: 0.788 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion: 83 Resp: 16884
Ion Ratio Lower Upper
83 100
55 0.2 60.6 91.0#
98 0.6 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.538 ug/L

RT: 5.985 min Scan# 1

Delta R.T. -0.109 min

Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

Instrument :

MSVOA_V

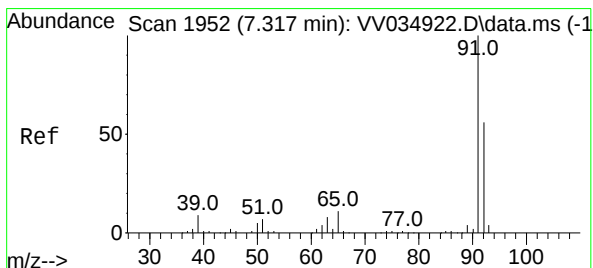
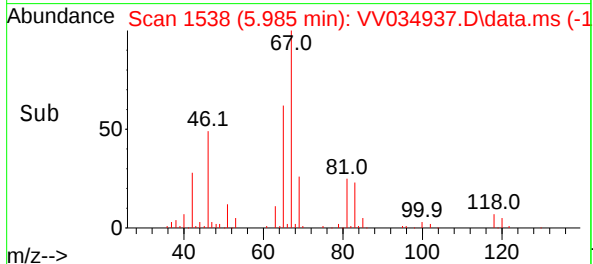
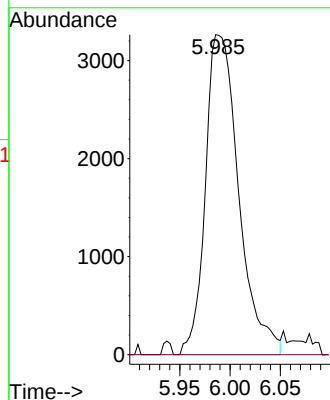
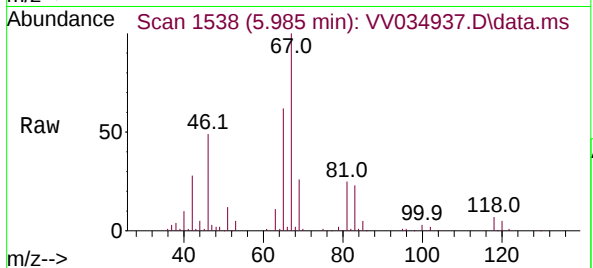
ClientSampleId :

Tgt Ion: 63 Resp: 7528

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#42

Toluene

Concen: 1.637 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV034937.D

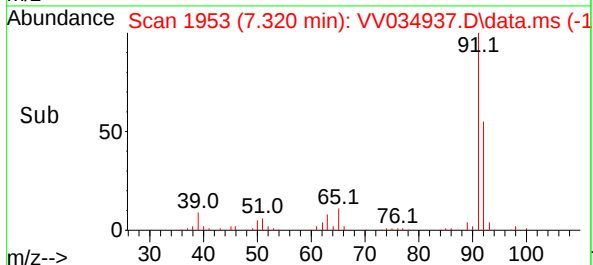
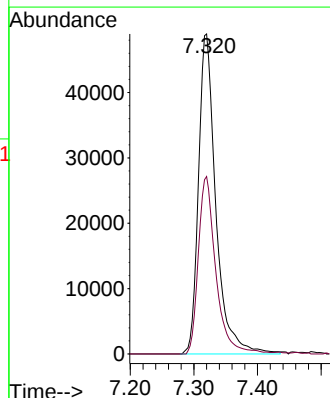
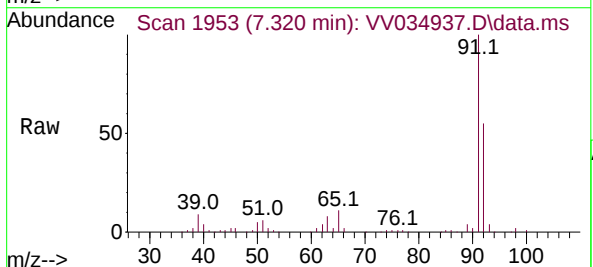
Acq: 02 Apr 2024 17:33

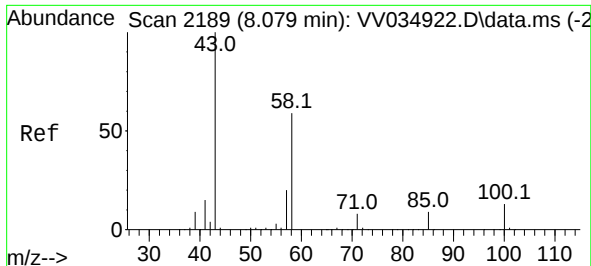
Tgt Ion: 91 Resp: 92883

Ion Ratio Lower Upper

91 100

92 55.5 38.9 72.2



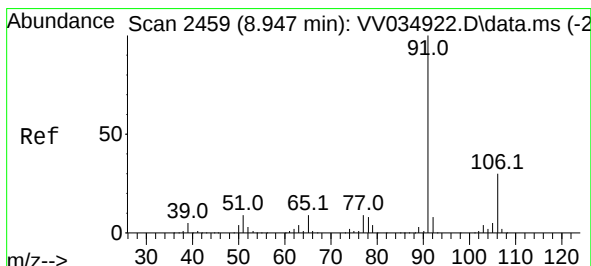
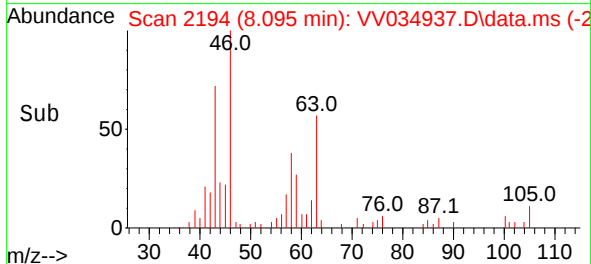
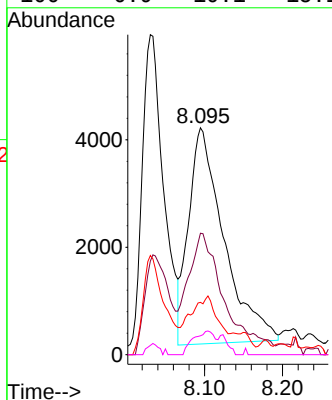
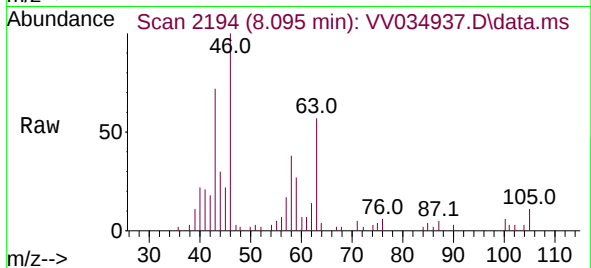


#48
2-Hexanone
Concen: 2.658 ug/L
RT: 8.095 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 12668

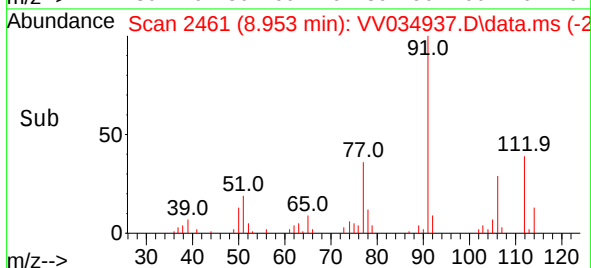
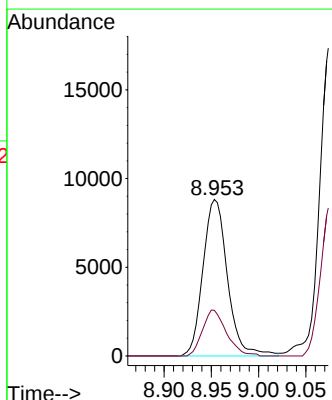
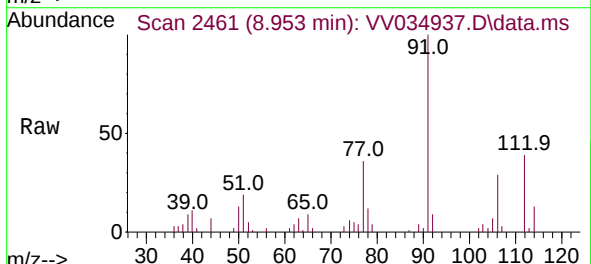
Ion	Ratio	Lower	Upper
43	100		
58	52.5	48.2	72.4
57	13.8	15.6	23.4#
100	6.9	10.1	15.1#

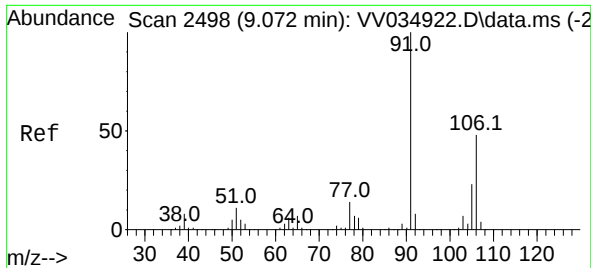


#52
Ethylbenzene
Concen: 0.260 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion: 91 Resp: 15927

Ion	Ratio	Lower	Upper
91	100		
106	29.2	21.2	39.4





#53

m,p-Xylene

Concen: 0.678 ug/L

RT: 9.075 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

Instrument :

MSVOA_V

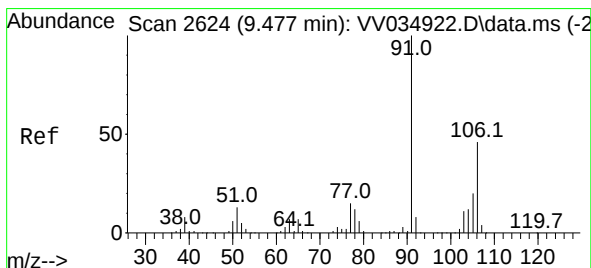
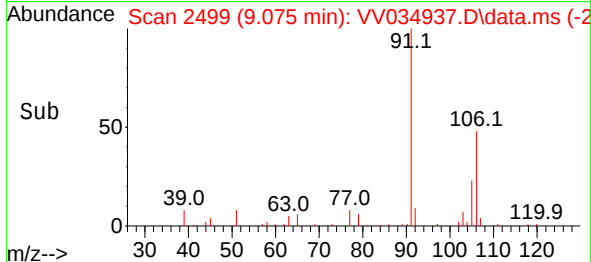
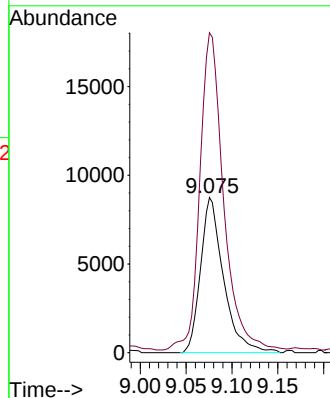
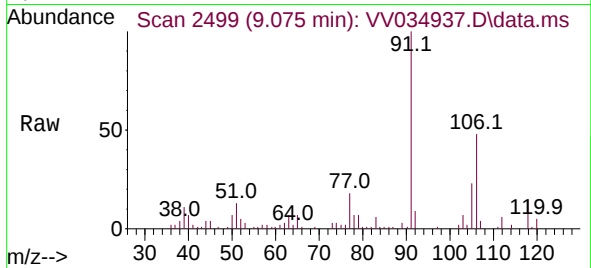
ClientSampleId :

Tgt Ion:106 Resp: 15258

Ion Ratio Lower Upper

106 100

91 206.2 145.7 270.7



#54

o-Xylene

Concen: 0.285 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.006 min

Lab File: VV034937.D

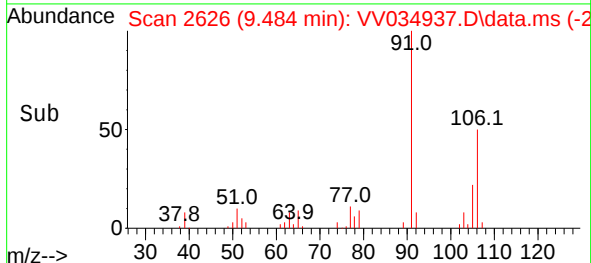
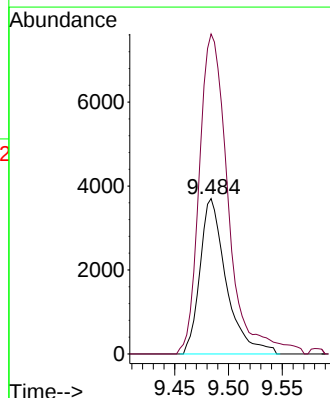
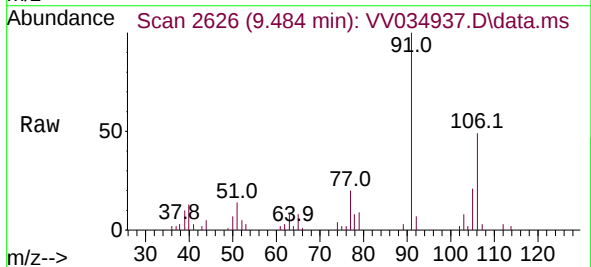
Acq: 02 Apr 2024 17:33

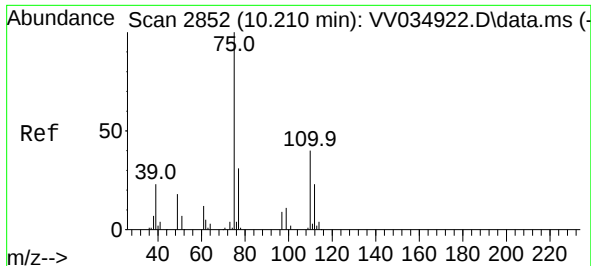
Tgt Ion:106 Resp: 6283

Ion Ratio Lower Upper

106 100

91 205.9 151.2 280.8

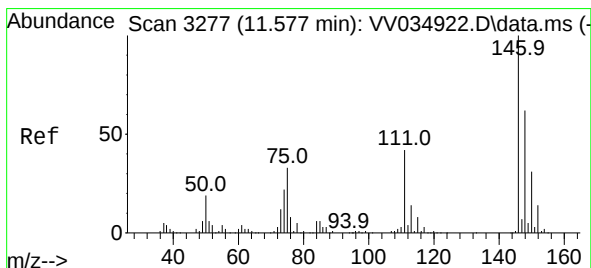
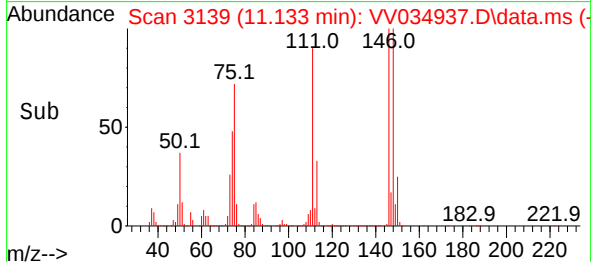
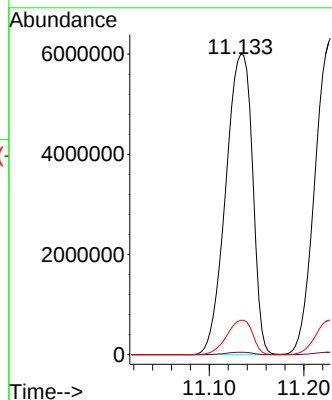
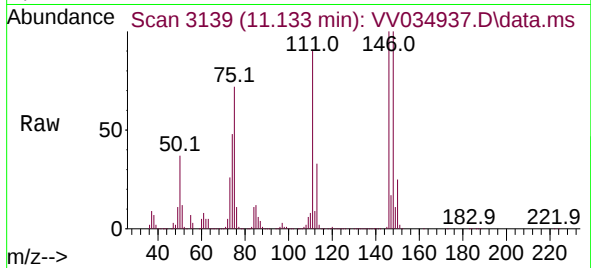




#61
1,2,3-Trichloropropane
Concen: 1067.324 ug/L
RT: 11.133 min Scan# 3139
Delta R.T. 0.923 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

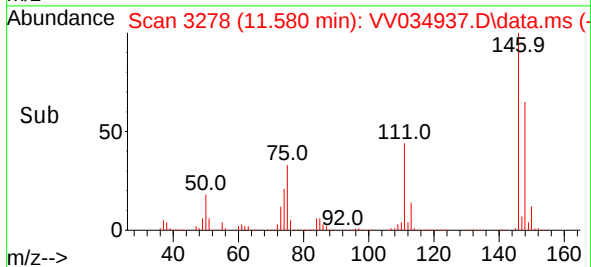
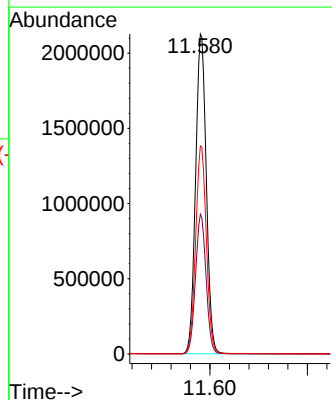
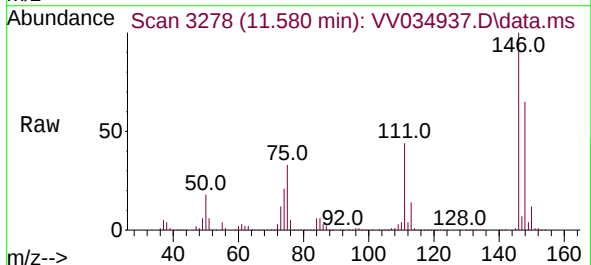
Instrument :
MSVOA_V
ClientSampleId :

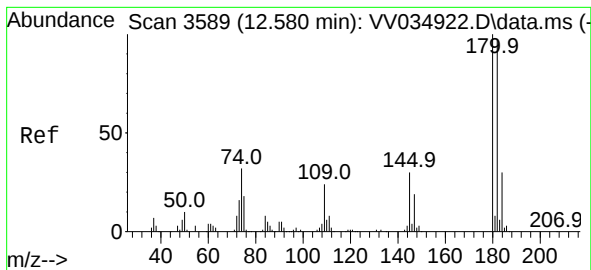
Tgt Ion: 75 Resp:11803115
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
110 11.1 31.0 46.6#



#67
1,2-Dichlorobenzene
Concen: 92.827 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion:146 Resp: 3240322
Ion Ratio Lower Upper
146 100
111 43.6 33.9 50.9
148 65.0 49.3 73.9





#69

1,3,5-Trichlorobenzene

Concen: 0.699 ug/L

RT: 12.586 min Scan# 3589

Delta R.T. 0.006 min

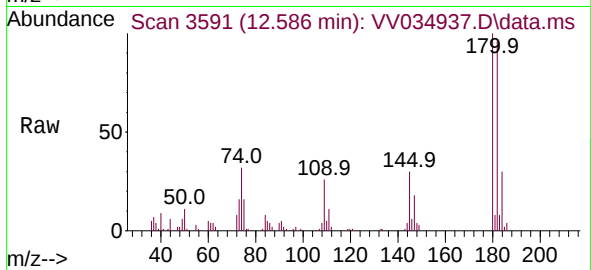
Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 19834

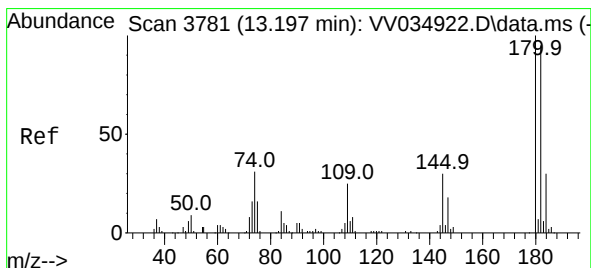
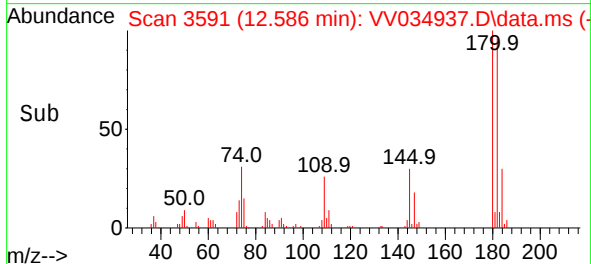
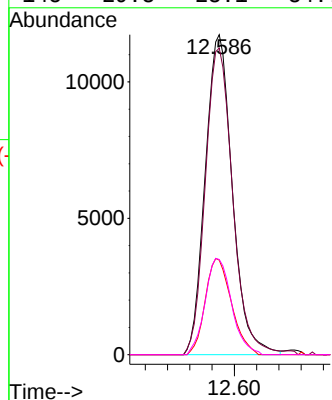
Ion Ratio Lower Upper

180 100

182 96.7 77.3 115.9

184 29.0 24.1 36.1

145 29.3 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 11.891 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034937.D

Acq: 02 Apr 2024 17:33

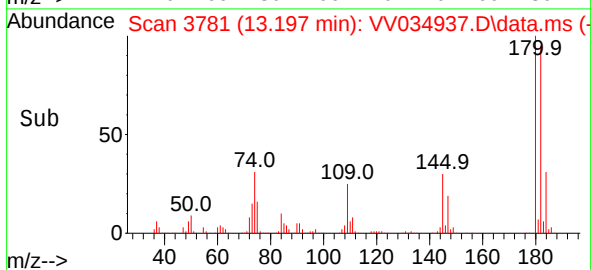
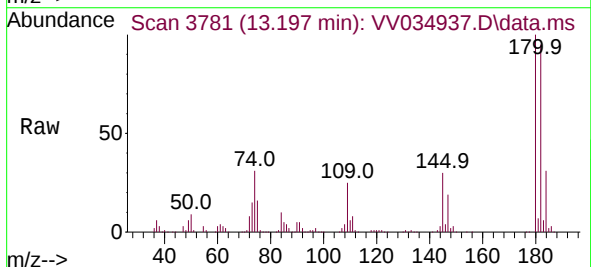
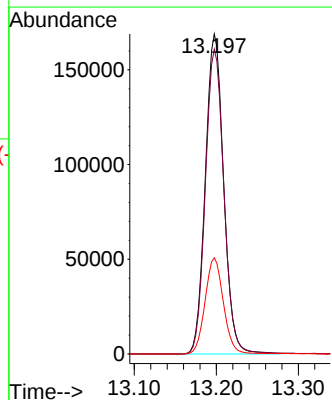
Tgt Ion:180 Resp: 262073

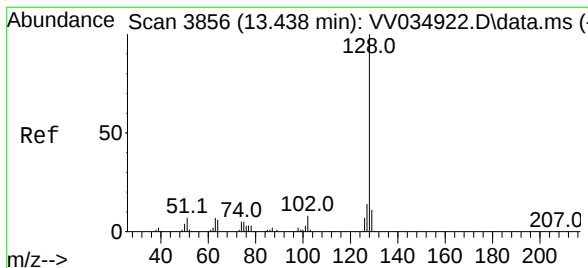
Ion Ratio Lower Upper

180 100

182 96.3 75.3 112.9

145 30.1 23.4 35.0

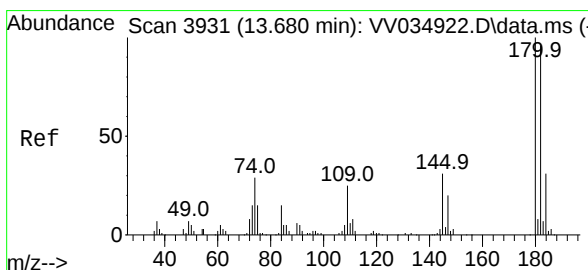
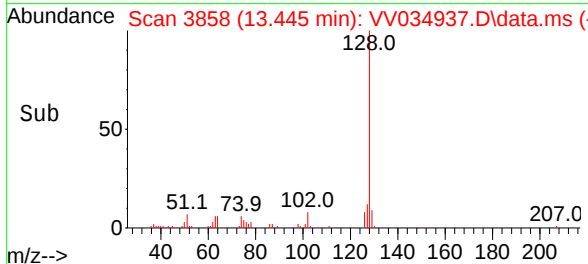
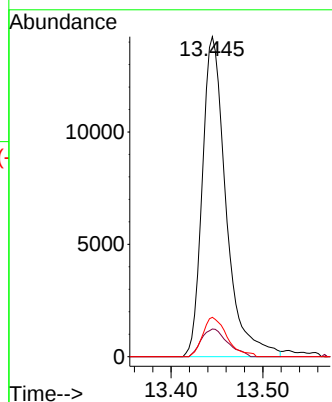
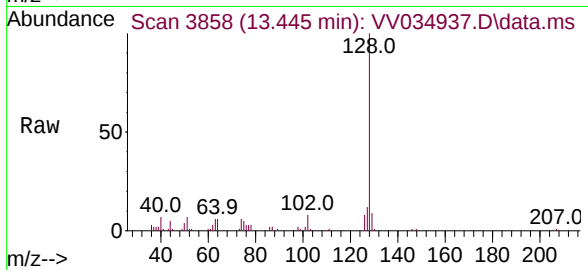




#71
Naphthalene
Concen: 0.828 ug/L
RT: 13.445 min Scan# 3856
Delta R.T. 0.006 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	128	Resp:	25657
Ion Ratio	Lower	Upper	
128	100		
129	9.6	8.6	12.8
127	12.6	10.7	16.1



#72
1,2,3-Trichlorobenzene
Concen: 2.109 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.003 min
Lab File: VV034937.D
Acq: 02 Apr 2024 17:33

Tgt Ion:	180	Resp:	40888
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.0	115.4
145	31.7	25.4	38.2

