

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022624\
 Data File : VW034416.D
 Acq On : 26 Feb 2024 18:43
 Operator : SY/MD
 Sample : P1535-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 27 05:07:52 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	140835	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	133319	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	69319	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39598	4.844	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.532	69	35633	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.060	65	18835	4.949	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.000%
20) 2-Butanone-d5	3.802	46	123511	57.783	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.560%
24) Chloroform-d	4.253	84	83369	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	4.947	65	46166	5.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	4.963	84	153948	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	5.992	67	47647	5.321	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.400%
41) Toluene-d8	7.246	98	133843	4.976	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	7.561	79	16465	4.935	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.024	63	107279	56.871	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.740%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	39374	5.555	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	56439	5.359	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.282	62	20841	1.998	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	23496	2.565	ug/L	98
12) 1,1-Dichloroethene	2.069	96	23779	2.696	ug/L #	77
16) Methylene chloride	2.449	84	33116	3.287	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	2002	0.087	ug/L #	1
18) trans-1,2-Dichloroethene	2.696	96	88780	9.898	ug/L	97
19) 1,1-Dichloroethane	3.114	63	21970	1.273	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	97709	9.907	ug/L	97
25) Chloroform	4.288	83	5551	0.310	ug/L	91
29) 1,1,1-Trichloroethane	4.516	97	3146	0.189	ug/L #	74
34) Trichloroethene	5.831	95	793425	82.345	ug/L	98
37) 1,2-Dichloropropane	5.989	63	6095	0.668	ug/L #	87
42) Toluene	7.330	91	8296	0.214	ug/L	99
47) Tetrachloroethene	7.905	164	66228	8.761	ug/L	97
48) 2-Hexanone	8.024	43	12367	3.077	ug/L #	67
49) Dibromochloromethane	7.905	129	60684	8.402	ug/L #	11
52) Ethylbenzene	8.953	91	16200	0.371	ug/L	97
53) m,p-Xylene	9.076	106	22357	1.378	ug/L	96
54) o-Xylene	9.481	106	26292	1.623	ug/L	95

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

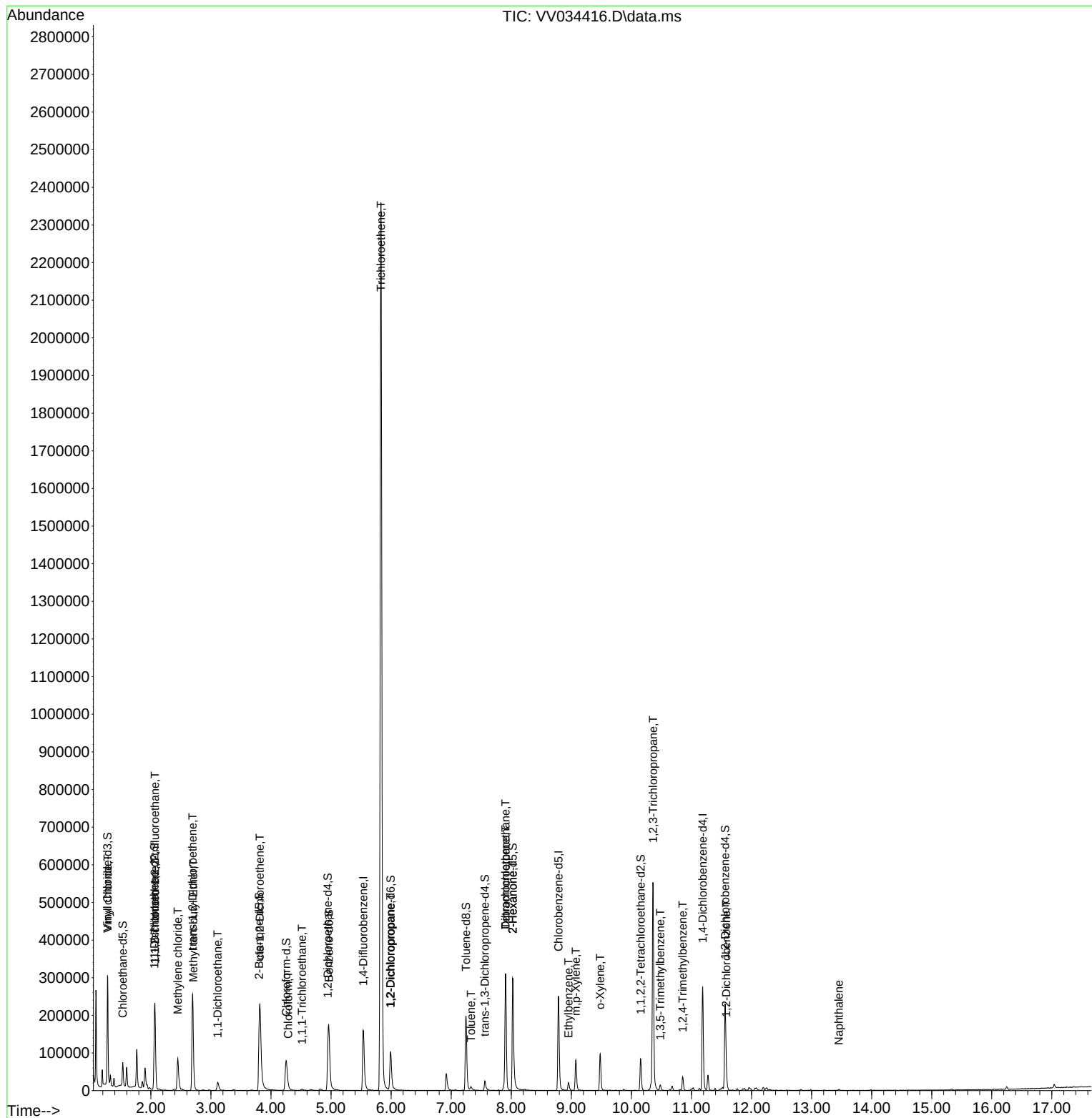
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.362	75	9369	1.752	ug/L #	46
62) 1,3,5-Trimethylbenzene	10.481	105	7827	0.216	ug/L	95
63) 1,2,4-Trimethylbenzene	10.854	105	20486	0.565	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	4985	0.264	ug/L	95
71) Naphthalene	13.455	128	2704	0.117	ug/L #	90

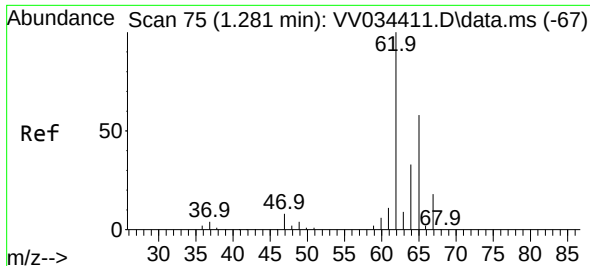
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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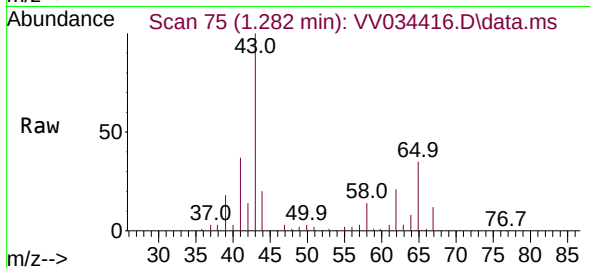
Quant Time: Feb 27 05:07:52 2024
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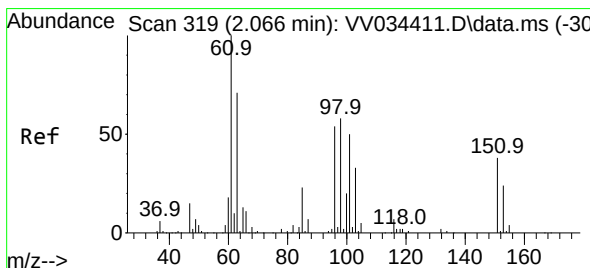
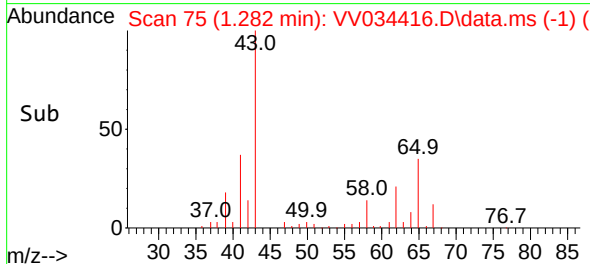
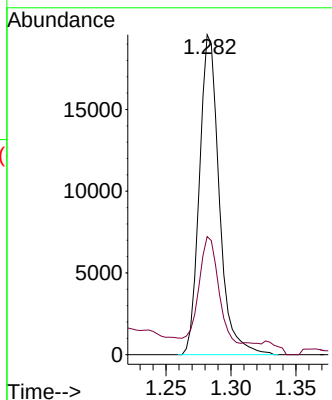


#5
 Vinyl chloride
 Concen: 1.998 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV034416.D
 Acq: 26 Feb 2024 18:43

Instrument :
 MSVOA_V
 ClientSampleId :

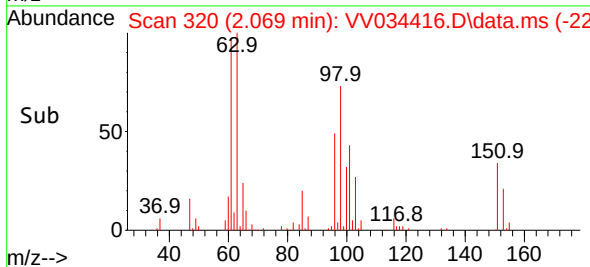
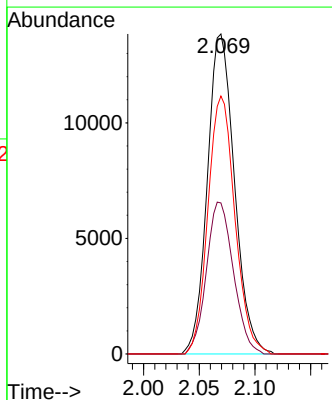
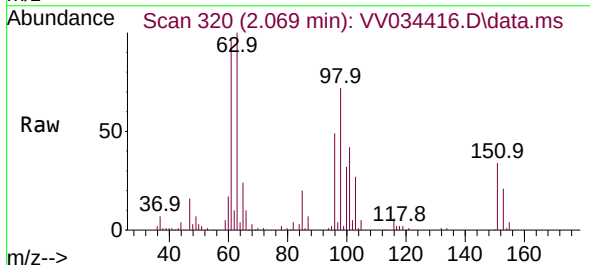


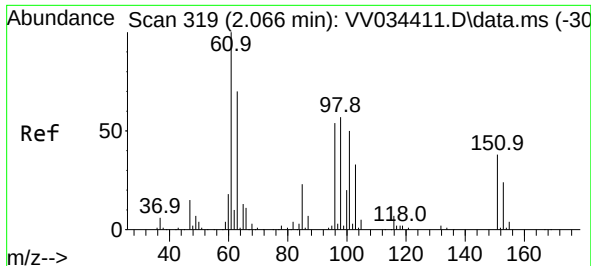
Tgt Ion: 62 Resp: 20841
 Ion Ratio Lower Upper
 62 100
 64 36.9 23.4 43.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.565 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV034416.D
 Acq: 26 Feb 2024 18:43

Tgt Ion: 101 Resp: 23496
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.9 56.9
 151 80.0 61.8 92.6





#12

1,1-Dichloroethene

Concen: 2.696 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

ClientSampleId :

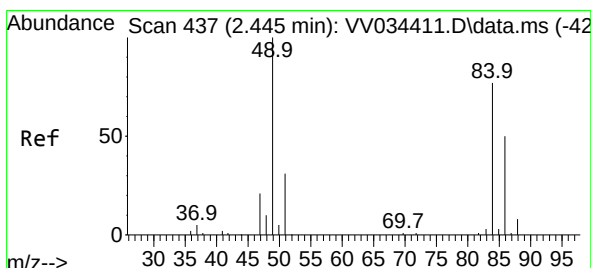
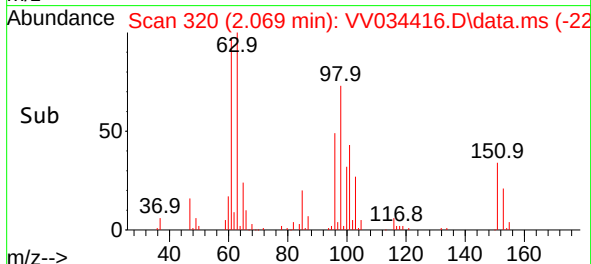
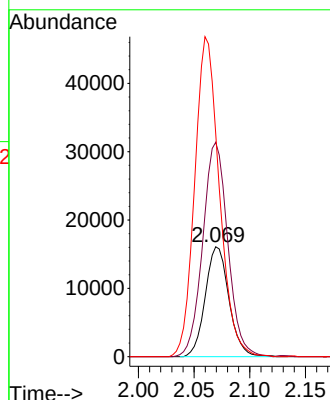
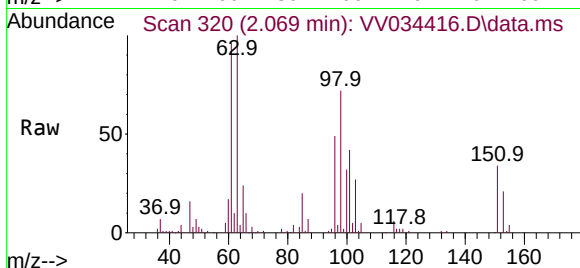
Tgt Ion: 96 Resp: 23779

Ion Ratio Lower Upper

96 100

61 195.2 131.3 243.8

63 203.0 102.8 191.0#



#16

Methylene chloride

Concen: 3.287 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

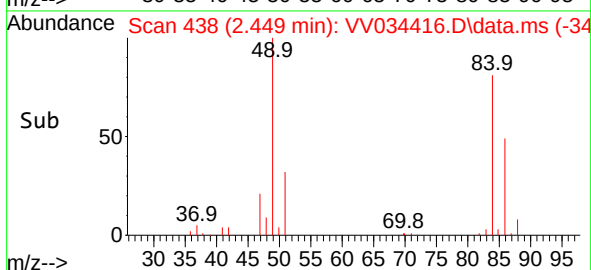
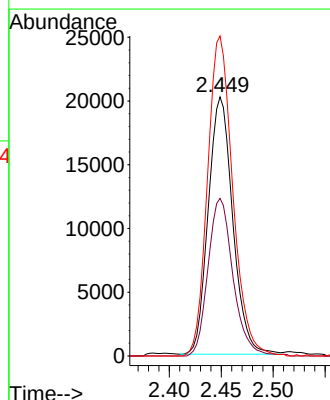
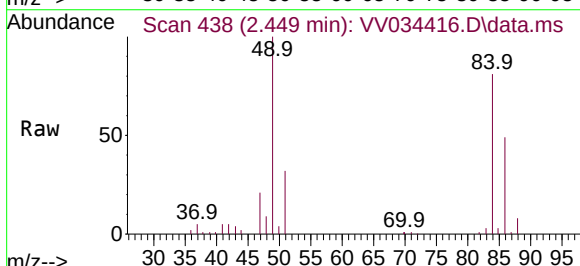
Tgt Ion: 84 Resp: 33116

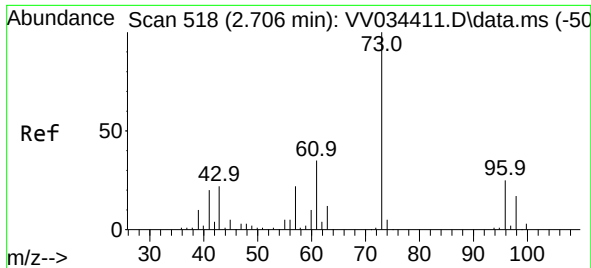
Ion Ratio Lower Upper

84 100

86 60.8 43.8 81.4

49 123.5 87.6 162.8





#17

Methyl tert-butyl Ether

Concen: 0.087 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

ClientSampleId :

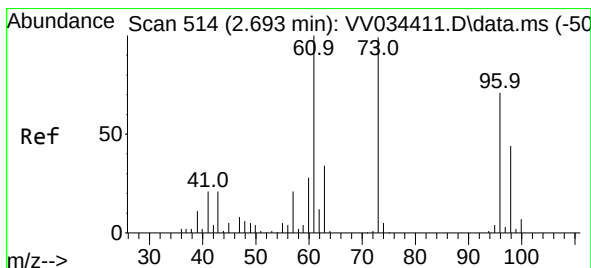
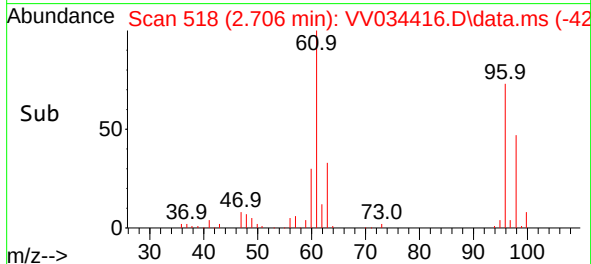
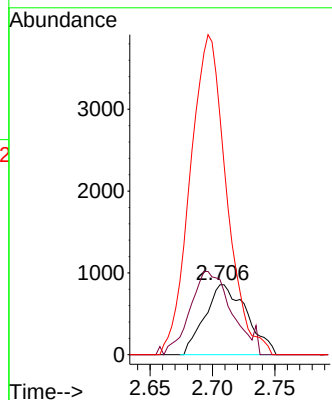
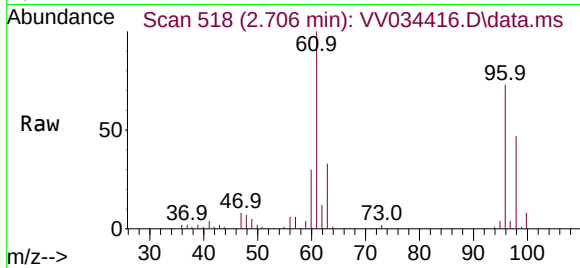
Tgt Ion: 73 Resp: 2002

Ion Ratio Lower Upper

73 100

43 119.4 18.0 27.0#

57 395.7 17.0 25.6#



#18

trans-1,2-Dichloroethene

Concen: 9.898 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

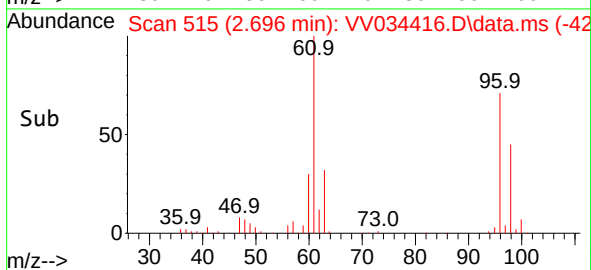
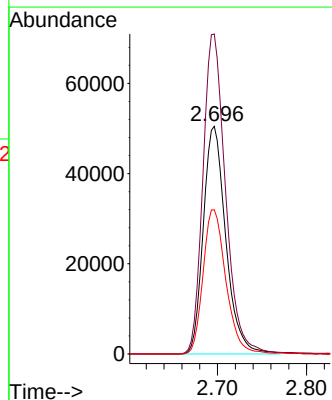
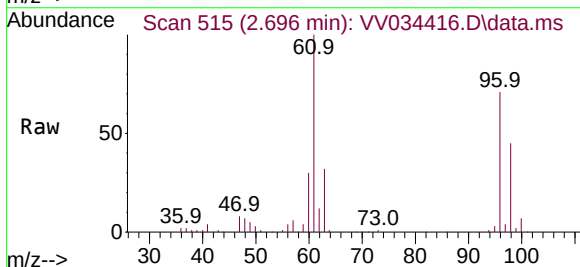
Tgt Ion: 96 Resp: 88780

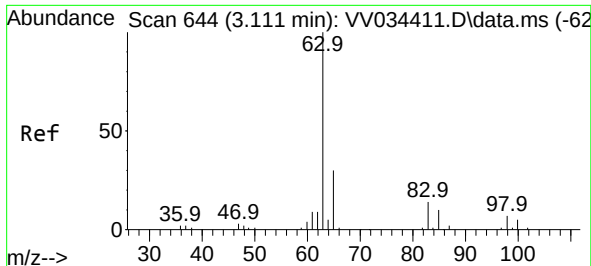
Ion Ratio Lower Upper

96 100

61 140.6 101.3 188.1

98 63.3 43.5 80.7





#19

1,1-Dichloroethane

Concen: 1.273 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

ClientSampleId :

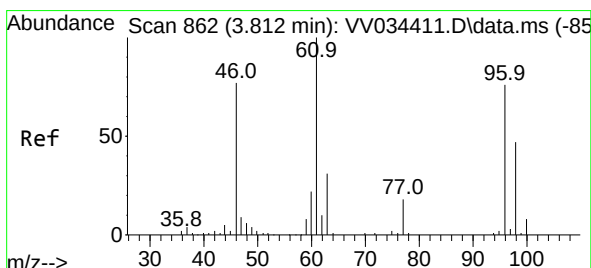
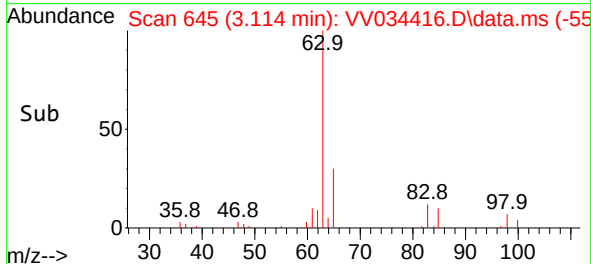
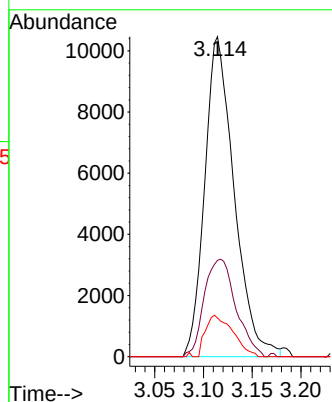
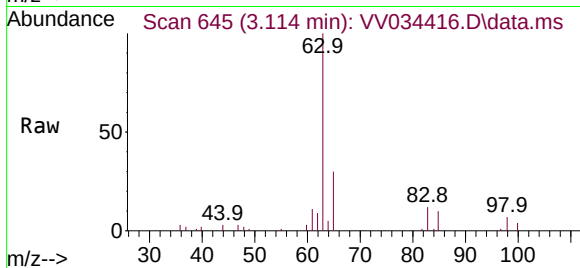
Tgt Ion: 63 Resp: 21970

Ion Ratio Lower Upper

63 100

65 30.1 22.0 41.0

83 12.1 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 9.907 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

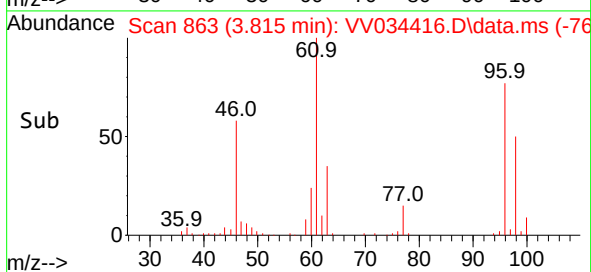
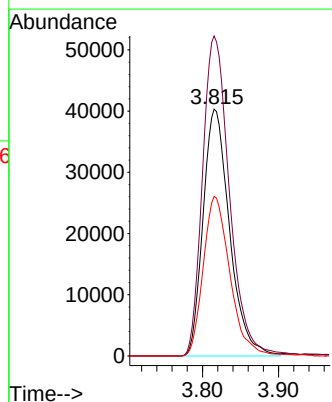
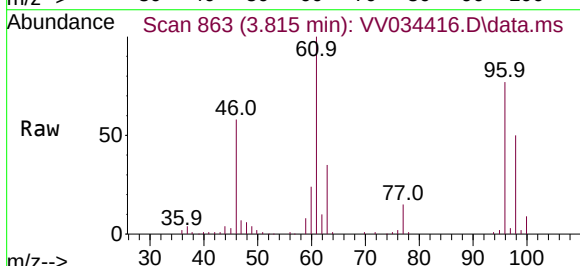
Tgt Ion: 96 Resp: 97709

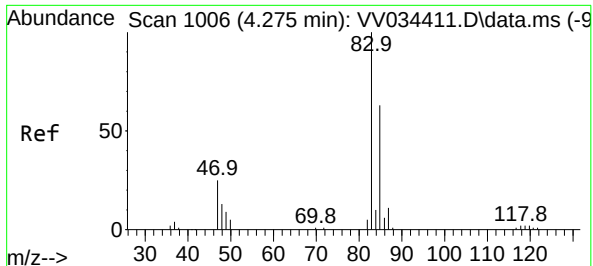
Ion Ratio Lower Upper

96 100

61 129.6 89.7 166.5

98 64.6 42.0 78.0





#25

Chloroform

Concen: 0.310 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.013 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

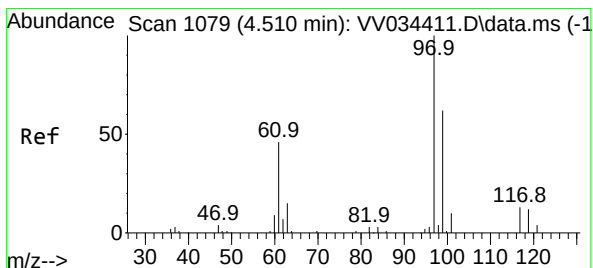
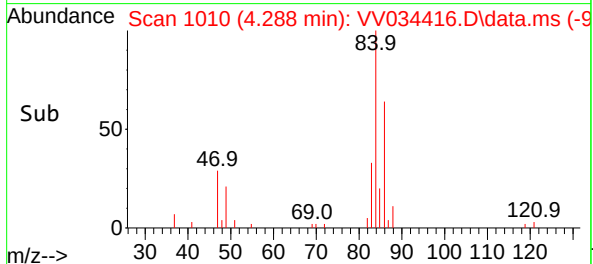
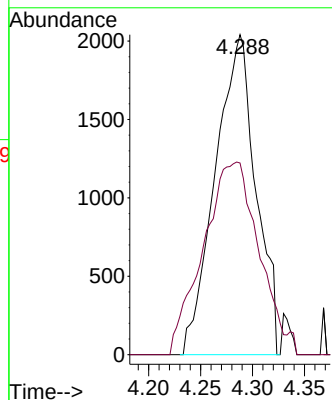
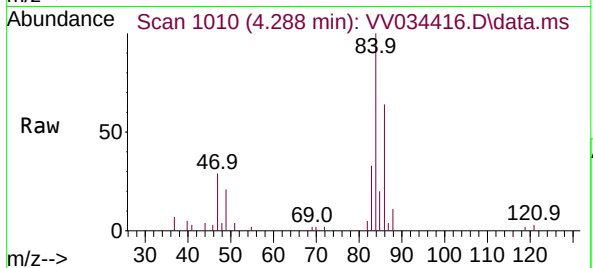
ClientSampleId :

Tgt Ion: 83 Resp: 5551

Ion Ratio Lower Upper

83 100

85 59.9 47.0 87.4



#29

1,1,1-Trichloroethane

Concen: 0.189 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.007 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

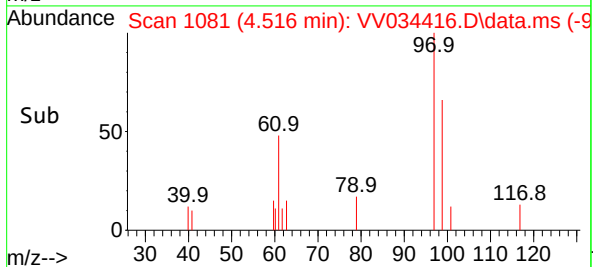
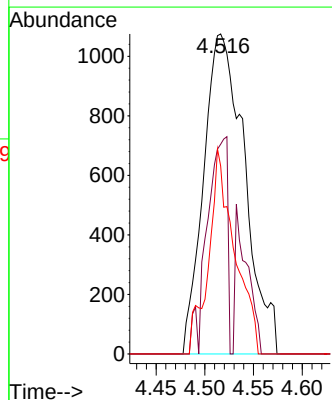
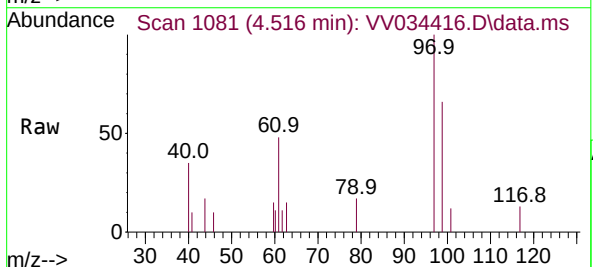
Tgt Ion: 97 Resp: 3146

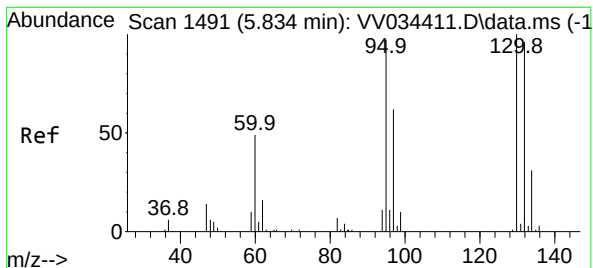
Ion Ratio Lower Upper

97 100

99 33.5 51.2 76.8#

61 40.7 36.1 54.1





#34

Trichloroethene

Concen: 82.345 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 793425

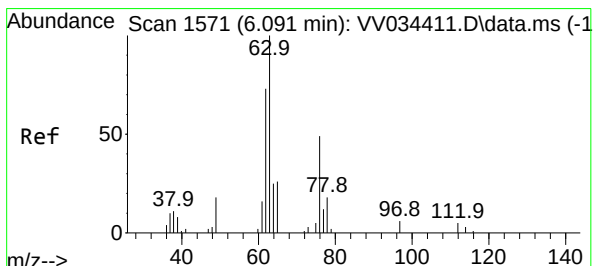
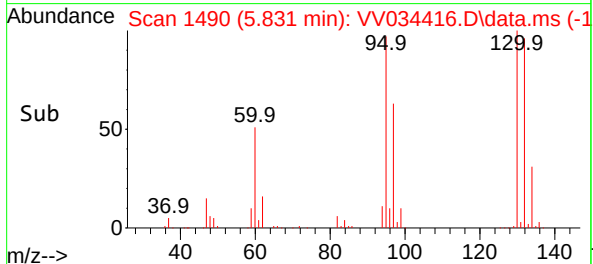
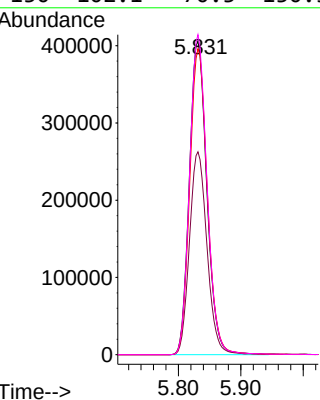
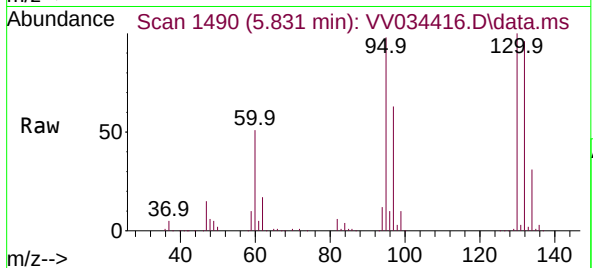
Ion Ratio Lower Upper

95 100

97 64.8 43.3 80.5

132 97.6 67.8 126.0

130 102.1 70.3 130.5



#37

1,2-Dichloropropane

Concen: 0.668 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.103 min

Lab File: VV034416.D

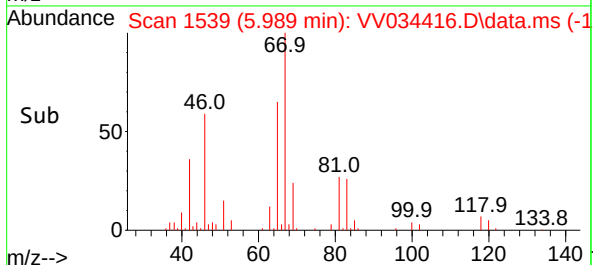
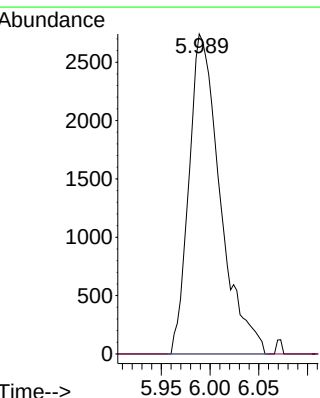
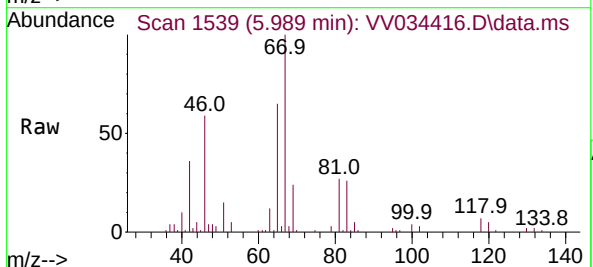
Acq: 26 Feb 2024 18:43

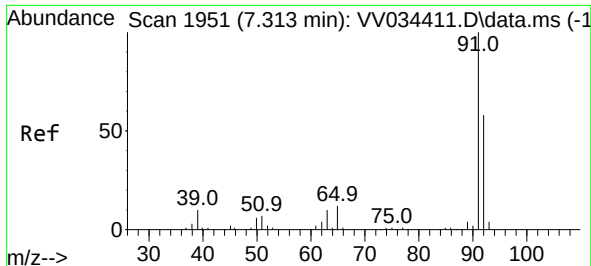
Tgt Ion: 63 Resp: 6095

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#





#42

Toluene

Concen: 0.214 ug/L

RT: 7.330 min Scan# 1951

Delta R.T. 0.016 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

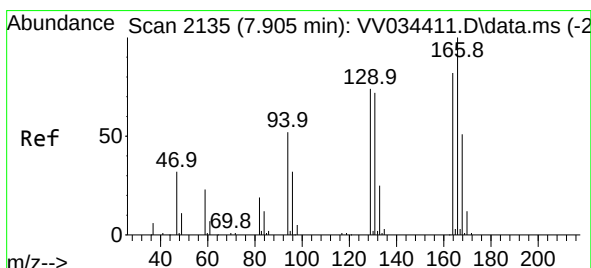
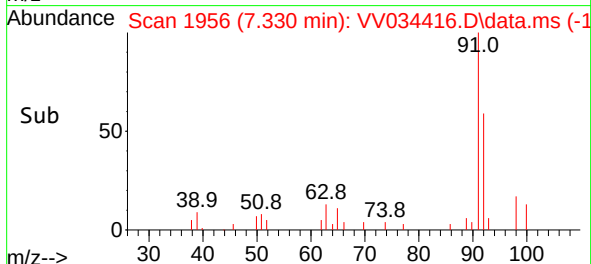
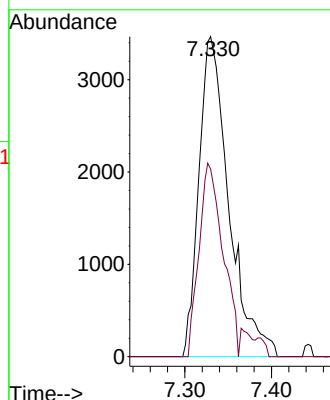
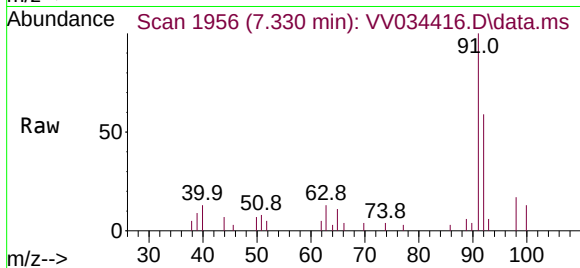
ClientSampleId :

Tgt Ion: 91 Resp: 8296

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.3



#47

Tetrachloroethene

Concen: 8.761 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Tgt Ion: 164 Resp: 66228

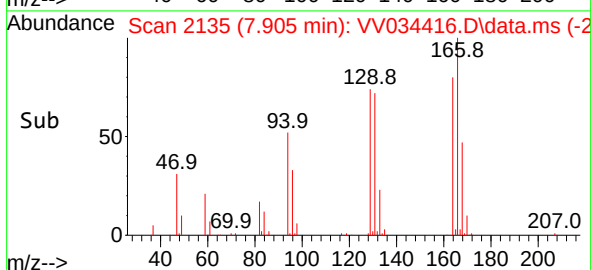
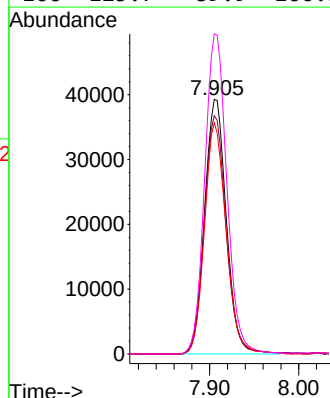
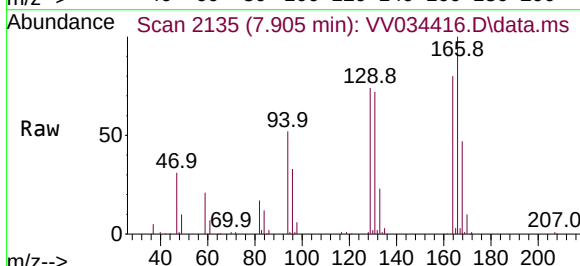
Ion Ratio Lower Upper

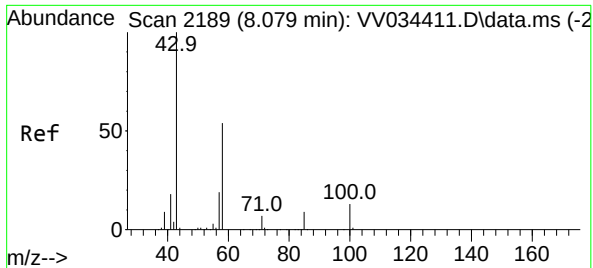
164 100

129 93.6 64.2 119.2

131 90.8 65.9 122.3

166 125.7 89.9 166.9

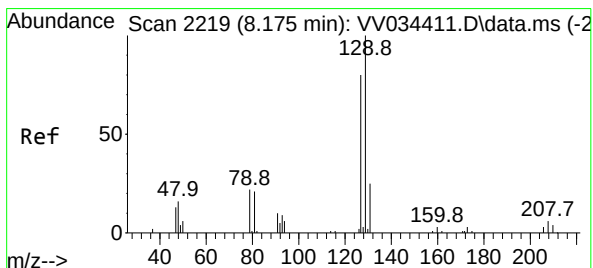
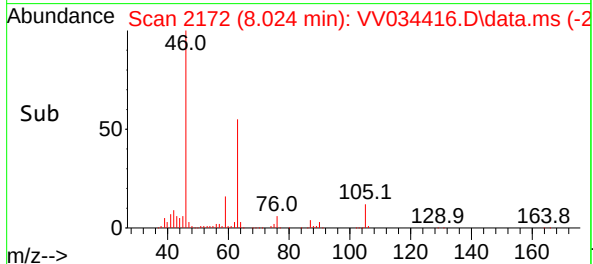
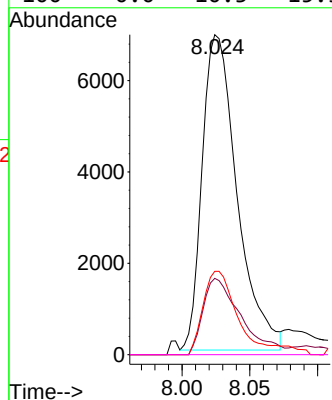
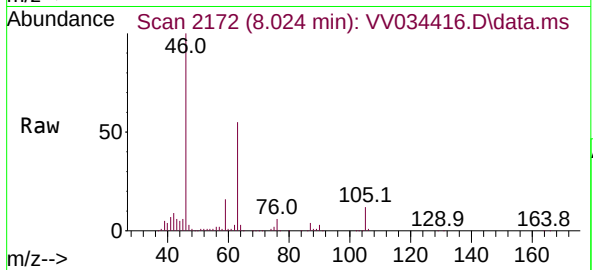




#48
2-Hexanone
Concen: 3.077 ug/L
RT: 8.024 min Scan# 2189
Delta R.T. -0.054 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

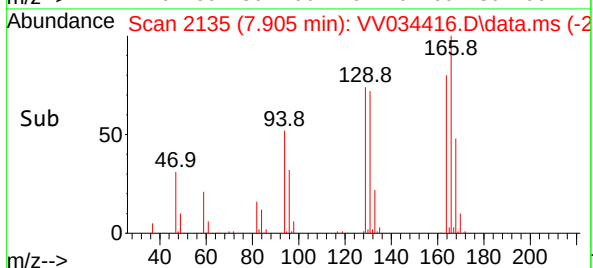
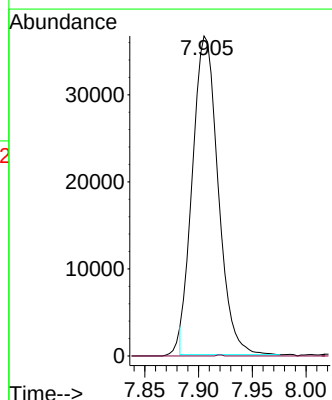
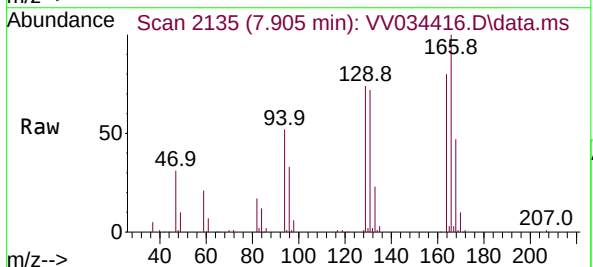
Instrument :
MSVOA_V
ClientSampleId :

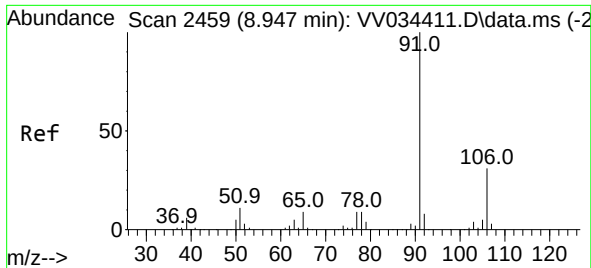
Tgt Ion: 43	Resp: 12367
Ion Ratio	Lower Upper
43 100	
58 26.5	43.4 65.0#
57 27.3	15.5 23.3#
100 0.0	10.3 15.5#



#49
Dibromochloromethane
Concen: 8.402 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.270 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

Tgt Ion: 129	Resp: 60684
Ion Ratio	Lower Upper
129 100	
127 0.0	54.0 100.4#

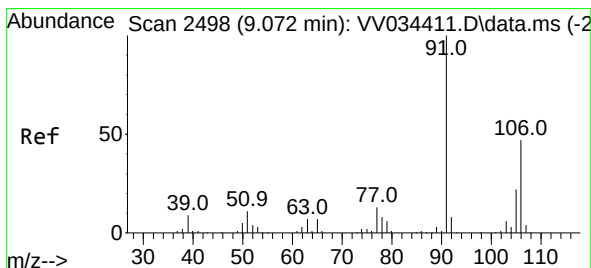
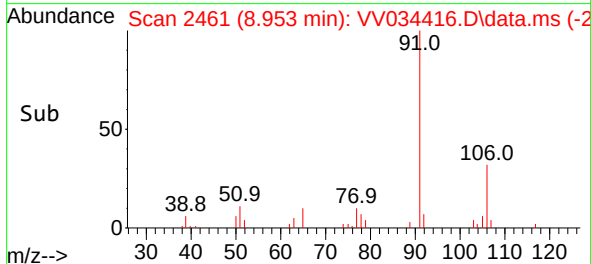
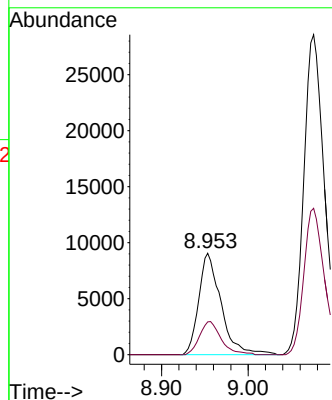
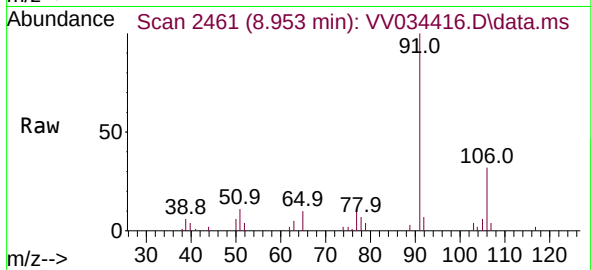




#52
Ethylbenzene
Concen: 0.371 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.007 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

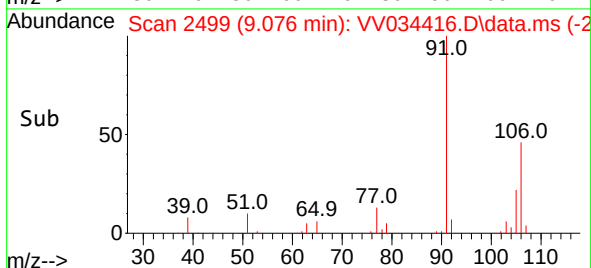
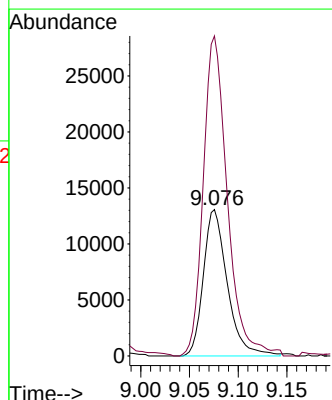
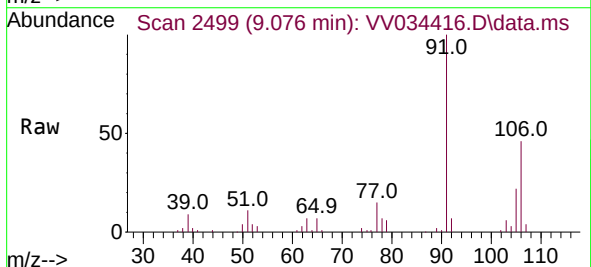
Instrument :
MSVOA_V
ClientSampleId :

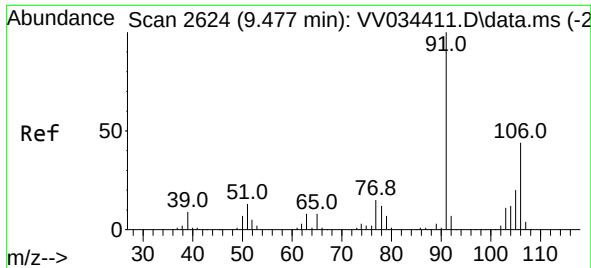
Tgt Ion: 91 Resp: 16200
Ion Ratio Lower Upper
91 100
106 32.4 21.4 39.8



#53
m,p-Xylene
Concen: 1.378 ug/L
RT: 9.076 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

Tgt Ion: 106 Resp: 22357
Ion Ratio Lower Upper
106 100
91 218.6 148.5 275.9

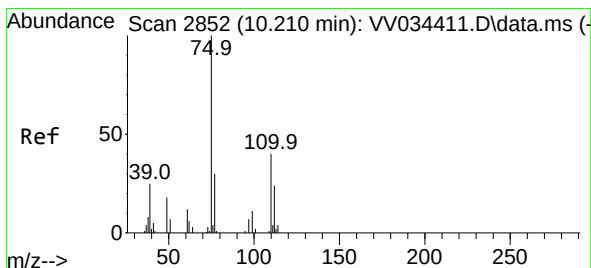
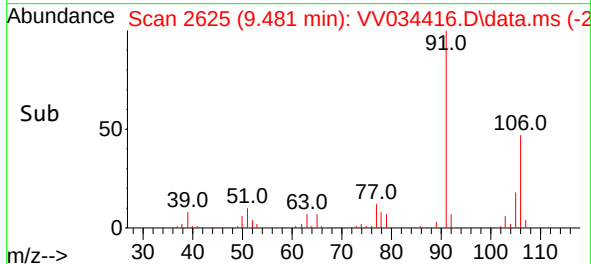
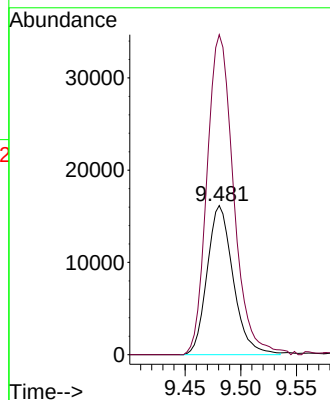
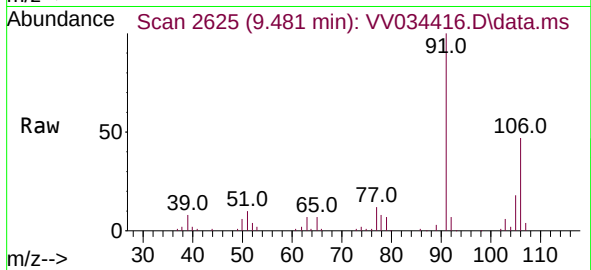




#54
o-Xylene
Concen: 1.623 ug/L
RT: 9.481 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

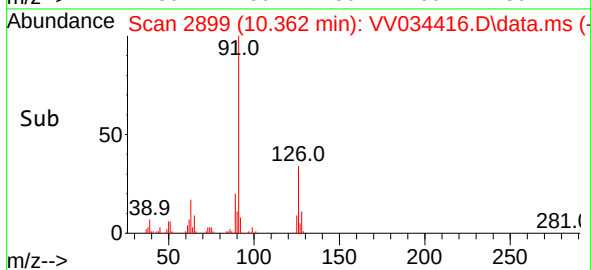
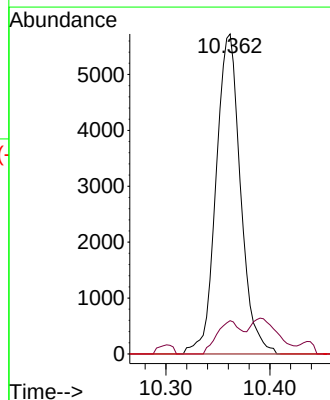
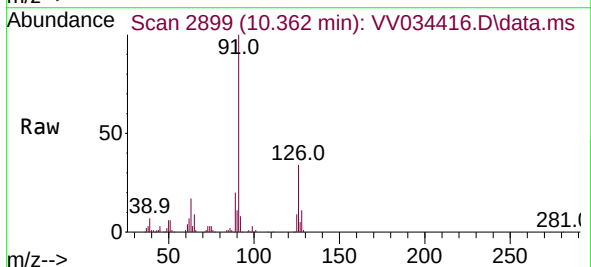
Instrument :
MSVOA_V
ClientSampleId :

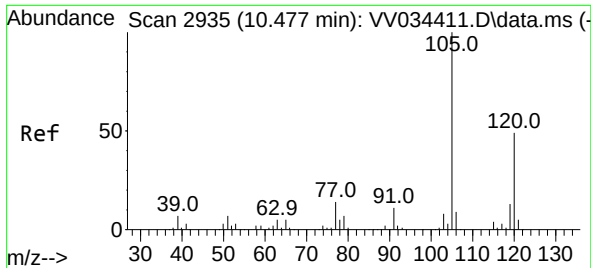
Tgt Ion:106 Resp: 26292
Ion Ratio Lower Upper
106 100
91 214.7 155.8 289.3



#61
1,2,3-Trichloropropane
Concen: 1.752 ug/L
RT: 10.362 min Scan# 2899
Delta R.T. 0.151 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

Tgt Ion: 75 Resp: 9369
Ion Ratio Lower Upper
75 100
77 10.8 27.7 41.5#
110 0.0 32.0 48.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.216 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV034416.D

Acq: 26 Feb 2024 18:43

Instrument :

MSVOA_V

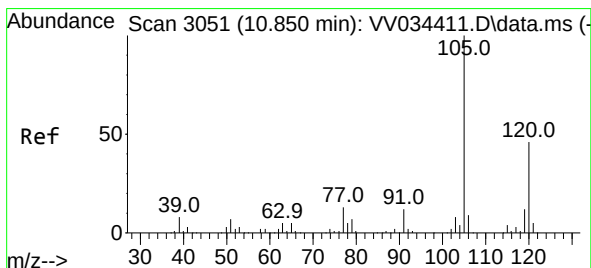
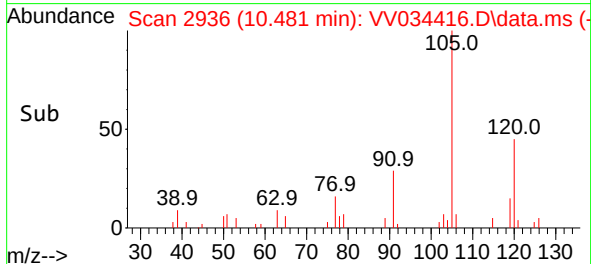
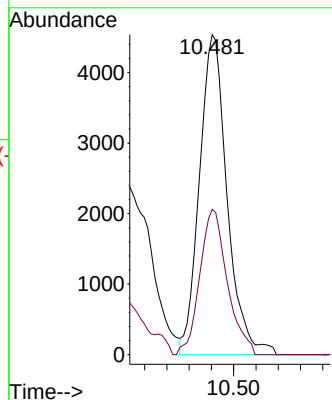
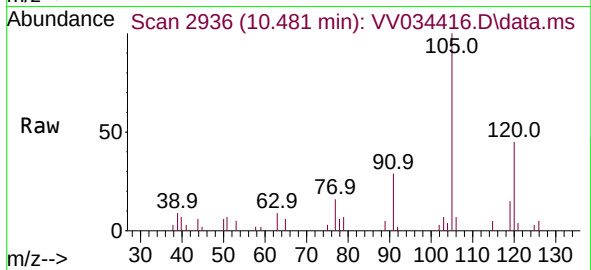
ClientSampleId :

Tgt Ion:105 Resp: 7827

Ion Ratio Lower Upper

105 100

120 45.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.565 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034416.D

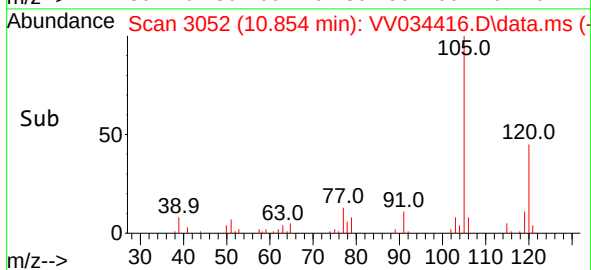
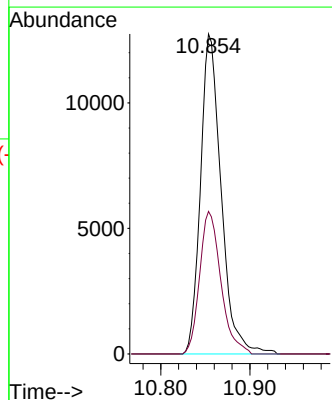
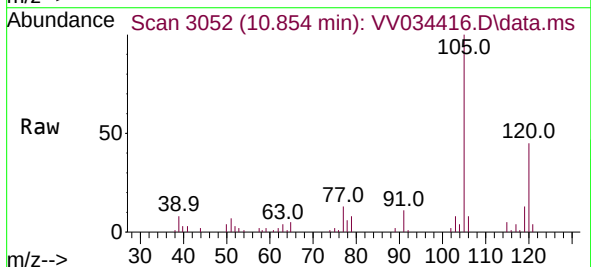
Acq: 26 Feb 2024 18:43

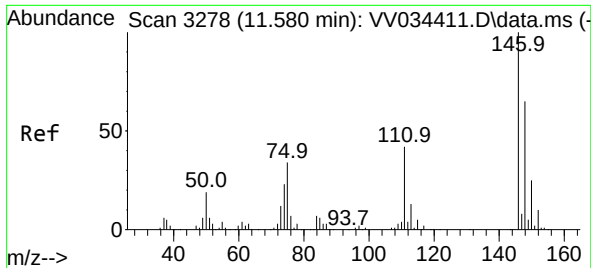
Tgt Ion:105 Resp: 20486

Ion Ratio Lower Upper

105 100

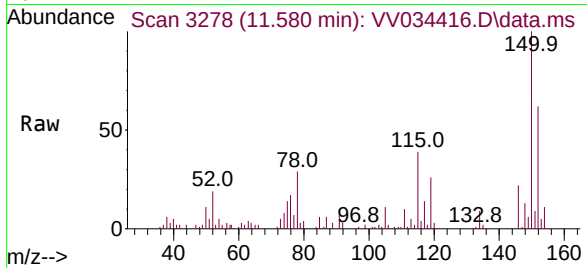
120 45.9 35.4 53.2



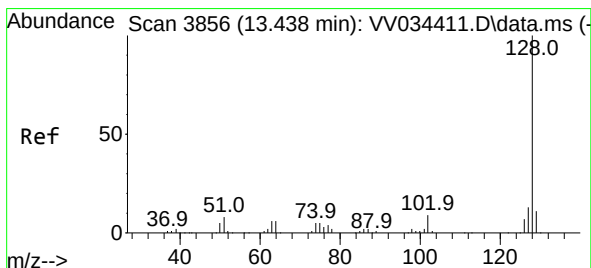
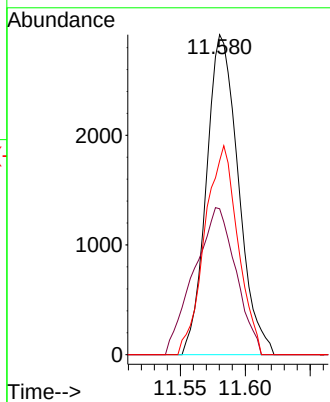
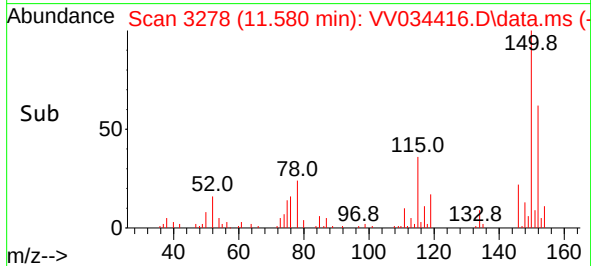


#67
1,2-Dichlorobenzene
Concen: 0.264 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43

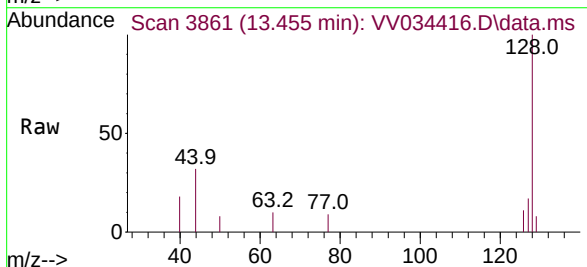
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:146 Resp: 4985
Ion Ratio Lower Upper
146 100
111 45.6 32.2 48.4
148 60.6 49.7 74.5



#71
Naphthalene
Concen: 0.117 ug/L
RT: 13.455 min Scan# 3861
Delta R.T. 0.016 min
Lab File: VV034416.D
Acq: 26 Feb 2024 18:43



Tgt Ion:128 Resp: 2704
Ion Ratio Lower Upper
128 100
129 3.6 8.4 12.6#
127 11.8 10.4 15.6

