

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042624\
 Data File : VV035439.D
 Acq On : 26 Apr 2024 20:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 00:38:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:18:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	537817	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	533048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	288284	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	178586	41.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.640%
7) Chloroethane-d5	1.529	69	130673	52.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.540%
11) 1,1-Dichloroethene-d2	2.053	65	75864	42.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.900%
21) 2-Butanone-d5	3.796	46	241987	109.240	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.240%
24) Chloroform-d	4.246	84	331966	45.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	4.937	65	194798	45.984	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
32) Benzene-d6	4.957	84	653183	46.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
36) 1,2-Dichloropropane-d6	5.985	67	200760	46.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.900%
41) Toluene-d8	7.239	98	599722	47.499	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.551	79	95143	47.058	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
47) 2-Hexanone-d5	8.030	63	148739	119.378	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	305251	49.553	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.100%
66) 1,2-Dichlorobenzene-d4	11.558	152	239160	47.417	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	185418	46.894	ug/L	100
3) Chloromethane	1.214	50	188908	47.082	ug/L	99
5) Vinyl chloride	1.281	62	203155	47.997	ug/L	100
6) Bromomethane	1.487	94	122977	49.609	ug/L	100
8) Chloroethane	1.545	64	108294	57.957	ug/L	98
9) Trichlorofluoromethane	1.706	101	276961	48.446	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	171660	47.927	ug/L	99
12) 1,1-Dichloroethene	2.066	96	153833	48.412	ug/L	91
13) Acetone	2.130	43	207161	78.700	ug/L	98
14) Carbon disulfide	2.236	76	422021	47.813	ug/L	100
15) Methyl Acetate	2.375	43	211707	53.033	ug/L	97
16) Methylene chloride	2.442	84	195892	48.744	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	169383	49.582	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	600004	52.147	ug/L	99
19) 1,1-Dichloroethane	3.108	63	349210	49.382	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	197561	51.405	ug/L	100
22) 2-Butanone	3.876	43	292326	100.384	ug/L	96
23) Bromochloromethane	4.143	128	107391	50.214	ug/L	97
25) Chloroform	4.272	83	360736	49.351	ug/L	99

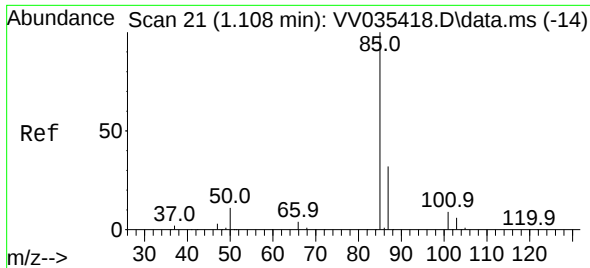
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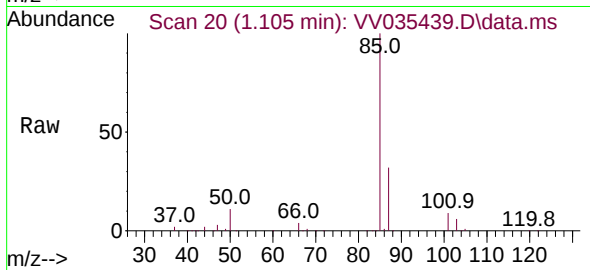
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	270881	50.463	ug/L	99
29) Cyclohexane	4.580	56	255010	52.020	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	299782	49.435	ug/L	99
31) Carbon tetrachloride	4.731	117	261237	49.307	ug/L	100
33) Benzene	5.005	78	735148	51.540	ug/L	100
34) Trichloroethene	5.831	95	191039	49.383	ug/L	98
35) Methylcyclohexane	6.046	83	281574	50.306	ug/L	99
37) 1,2-Dichloropropane	6.088	63	208791	52.432	ug/L	100
38) Bromodichloromethane	6.429	83	271089	50.415	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	316520	53.704	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	579609	121.885	ug/L	100
42) Toluene	7.310	91	784547	52.489	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	299773	52.985	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	209038	50.269	ug/L	99
46) Tetrachloroethene	7.902	164	151099	49.789	ug/L	99
48) 2-Hexanone	8.079	43	459095	113.564	ug/L	97
49) Dibromochloromethane	8.172	129	214892	50.551	ug/L	97
50) 1,2-Dibromoethane	8.278	107	219726	51.938	ug/L	99
51) Chlorobenzene	8.812	112	522537	49.577	ug/L	99
52) Ethylbenzene	8.943	91	859625	52.632	ug/L	99
53) m,p-Xylene	9.072	106	324047	52.424	ug/L	100
54) o-Xylene	9.477	106	324093	53.621	ug/L	97
55) Styrene	9.493	104	574952	55.158	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	359530	53.188	ug/L	99
59) Bromoform	9.664	173	175456	51.265	ug/L	99
60) Isopropylbenzene	9.863	105	874259	52.861	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	283032	52.452	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	710950	53.359	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	723704	55.478	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	434327	50.693	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	443842	49.389	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	444356	51.189	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	69126	56.624	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	312250	51.437	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	252013	52.295	ug/L	98
71) Naphthalene	13.435	128	688245	65.465	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	260173	55.407	ug/L	100

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

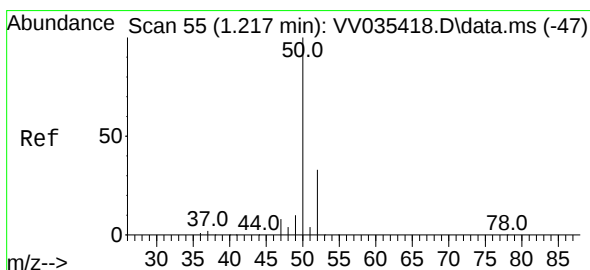
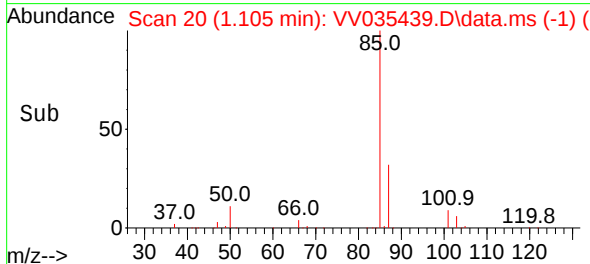
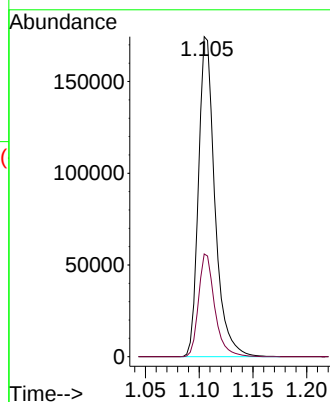


#2
 Dichlorodifluoromethane
 Concen: 46.894 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV035439.D
 Acq: 26 Apr 2024 20:02

Instrument :
 MSVOA_V
 ClientSampleId :

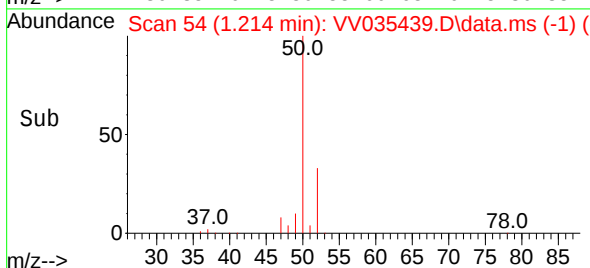
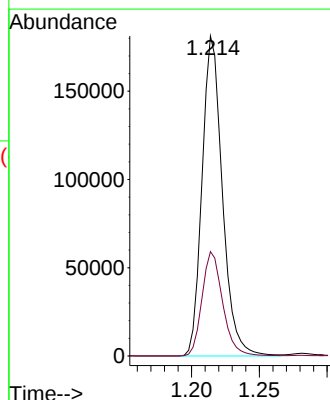
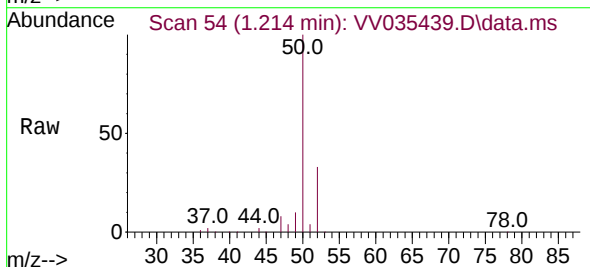


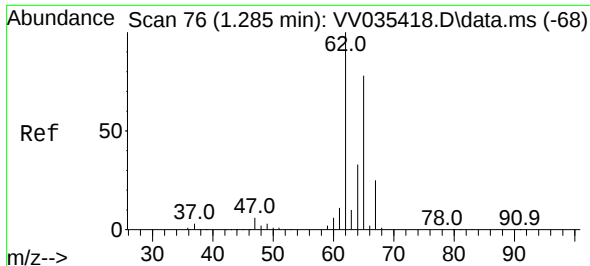
Tgt Ion: 85 Resp: 185418
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.2



#3
 Chloromethane
 Concen: 47.082 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV035439.D
 Acq: 26 Apr 2024 20:02

Tgt Ion: 50 Resp: 188908
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.0 42.8

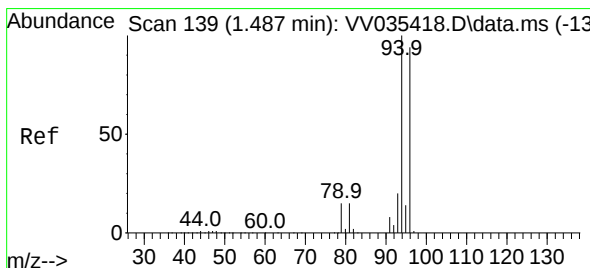
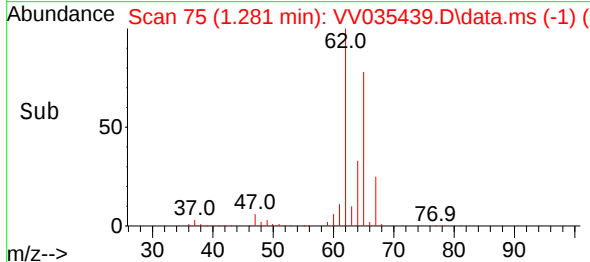
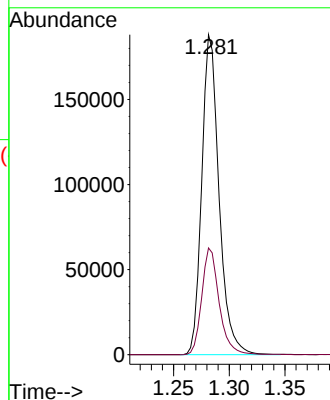
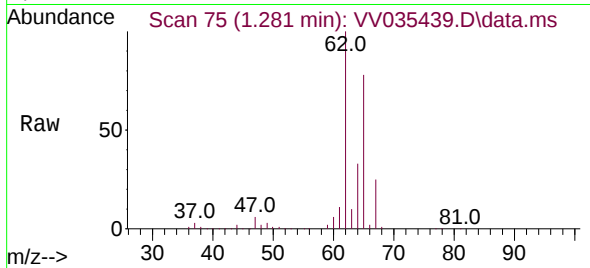




#5
 Vinyl chloride
 Concen: 47.997 ug/L
 RT: 1.281 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV035439.D
 Acq: 26 Apr 2024 20:02

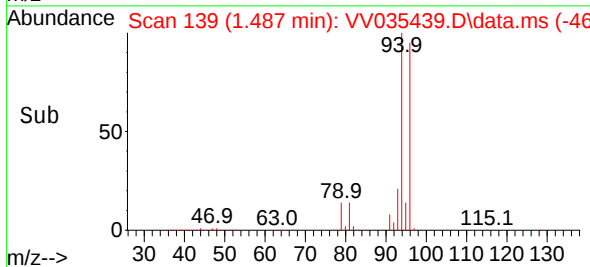
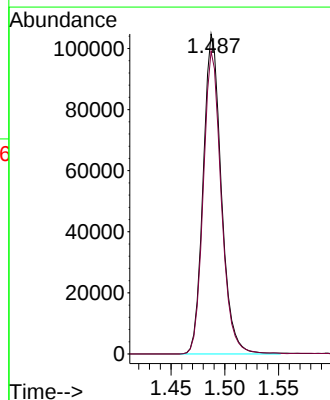
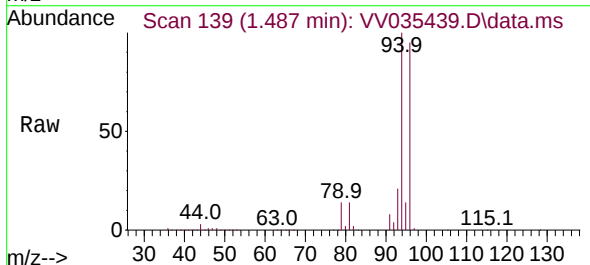
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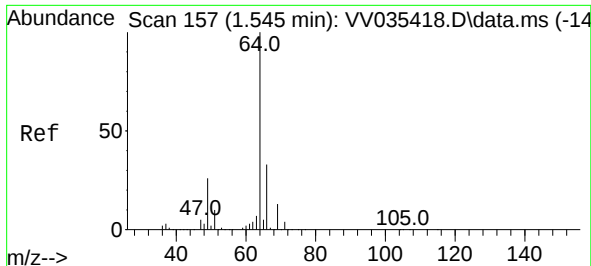
Tgt Ion: 62 Resp: 203155
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.2 43.2



#6
 Bromomethane
 Concen: 49.609 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV035439.D
 Acq: 26 Apr 2024 20:02

Tgt Ion: 94 Resp: 122977
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.1 122.7

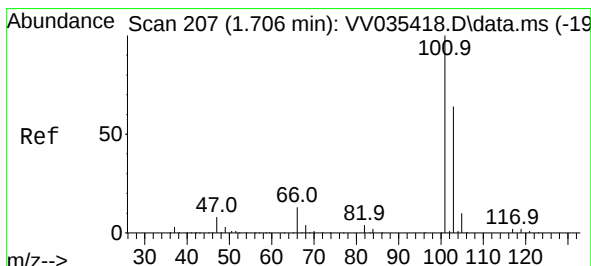
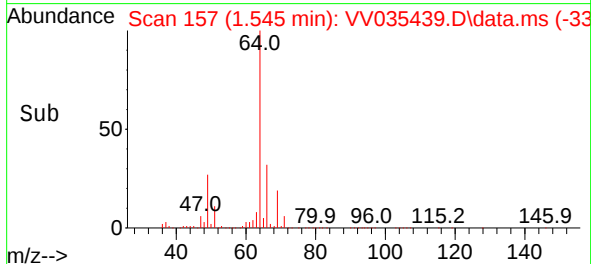
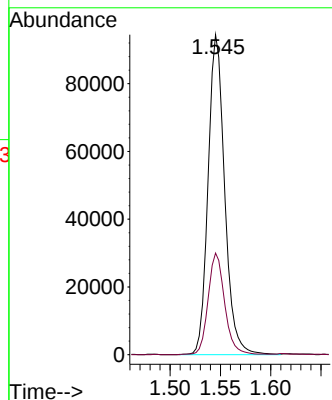
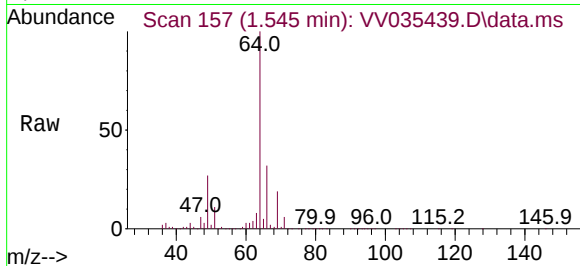




#8
Chloroethane
Concen: 57.957 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

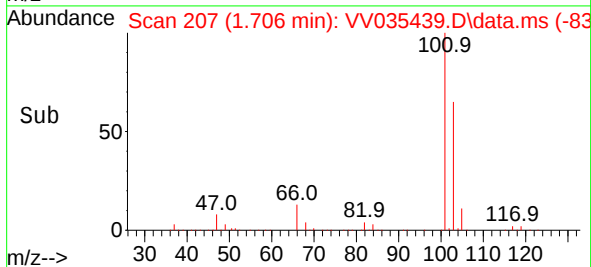
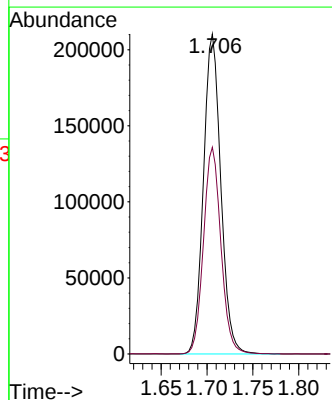
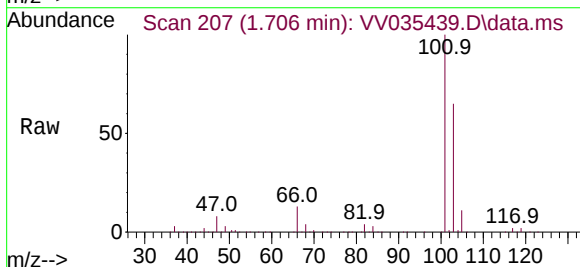
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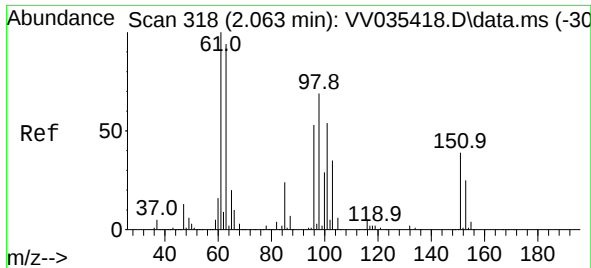
Tgt Ion: 64 Resp: 108294
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 48.446 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion:101 Resp: 276961
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.927 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

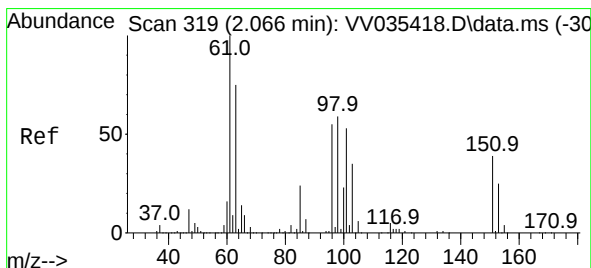
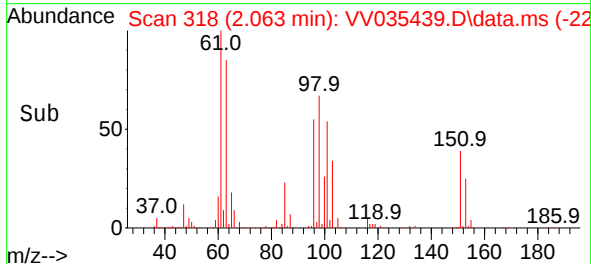
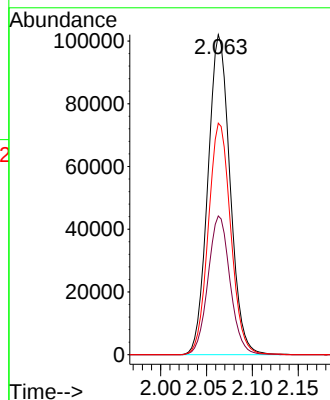
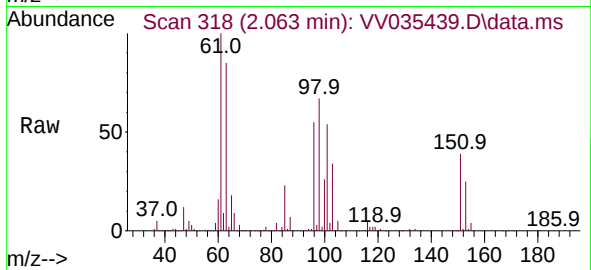
Tgt Ion:101 Resp: 171660

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.6

151 73.0 58.6 87.8



#12

1,1-Dichloroethene

Concen: 48.412 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

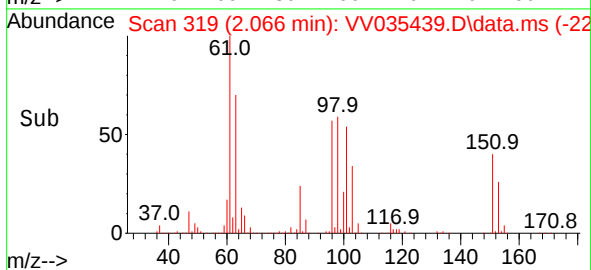
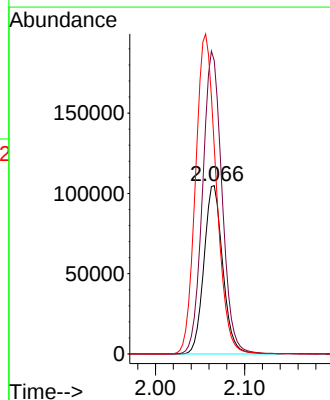
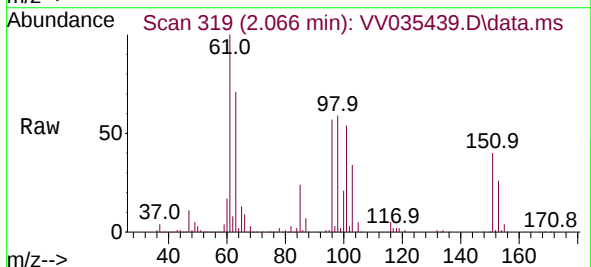
Tgt Ion: 96 Resp: 153833

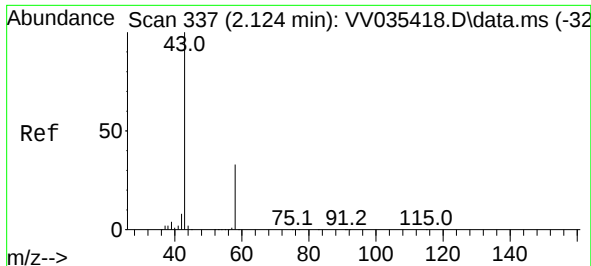
Ion Ratio Lower Upper

96 100

61 174.1 128.2 238.0

63 122.8 96.9 179.9





#13

Acetone

Concen: 78.700 ug/L

RT: 2.130 min Scan# 337

Delta R.T. 0.006 min

Lab File: VV035439.D

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MSVOA_V

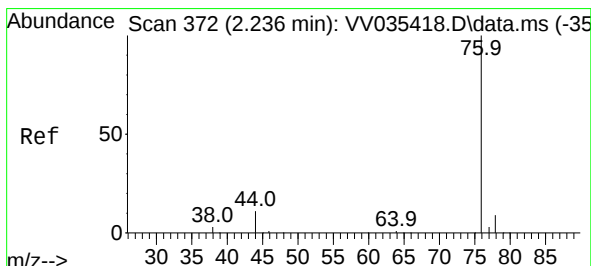
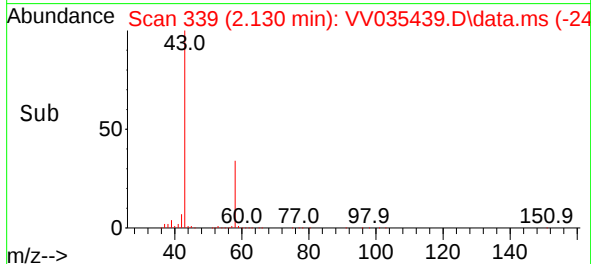
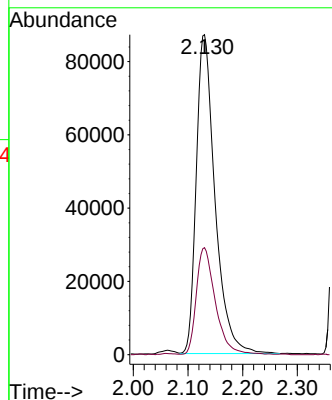
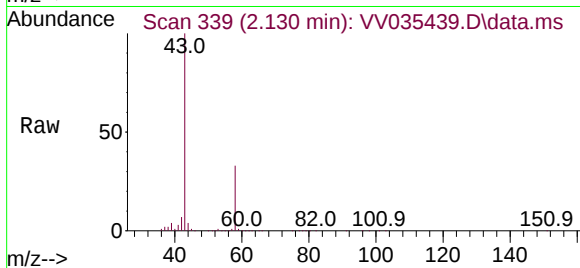
ClientSampleId :

Tgt Ion: 43 Resp: 207161

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.8



#14

Carbon disulfide

Concen: 47.813 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV035439.D

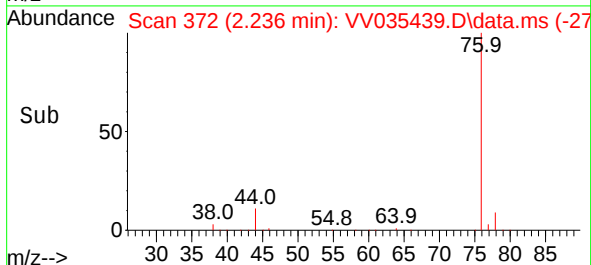
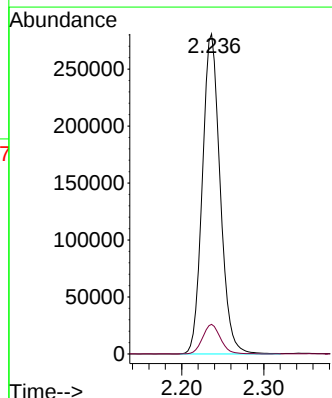
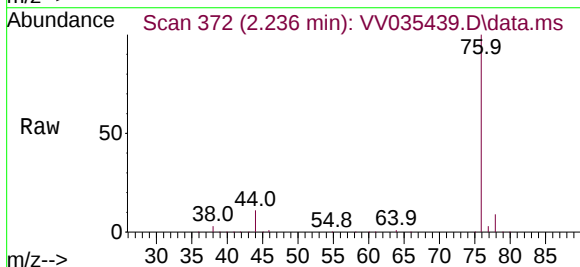
Acq: 26 Apr 2024 20:02

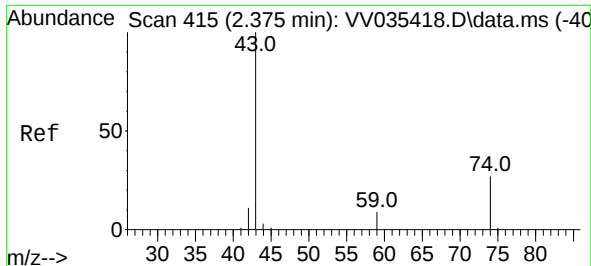
Tgt Ion: 76 Resp: 422021

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 53.033 ug/L

RT: 2.375 min Scan# 415

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

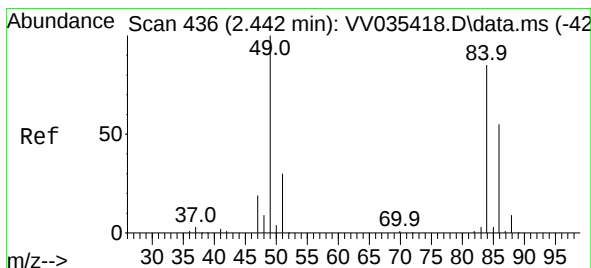
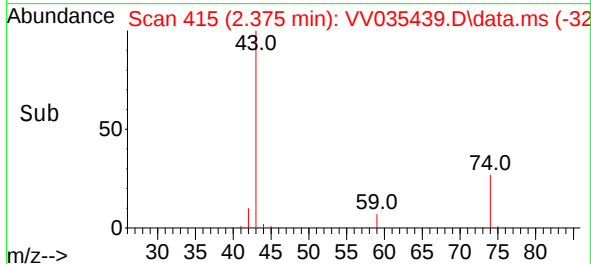
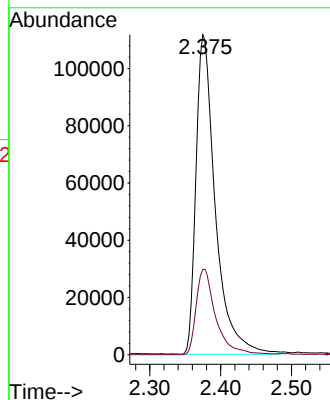
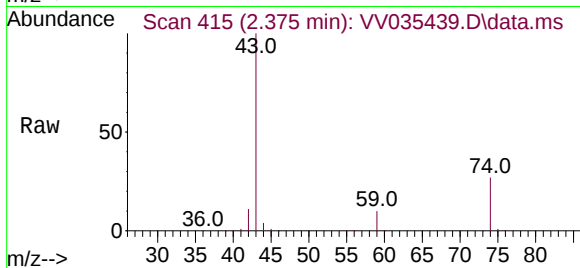
ClientSampleId :

Tgt Ion: 43 Resp: 211707

Ion Ratio Lower Upper

43 100

74 27.1 20.6 30.8



#16

Methylene chloride

Concen: 48.744 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

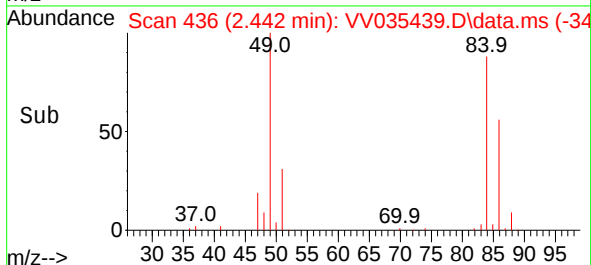
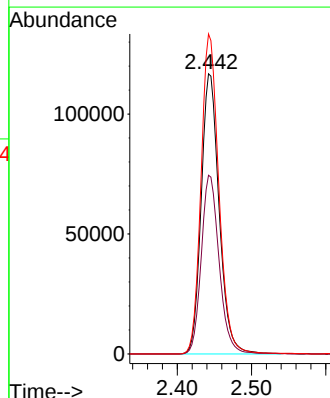
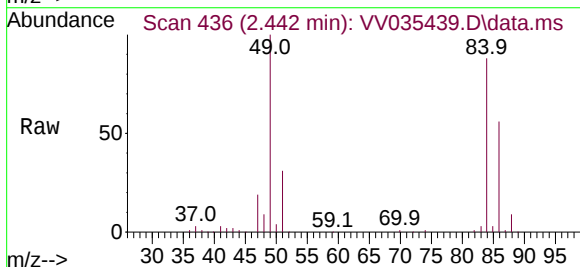
Tgt Ion: 84 Resp: 195892

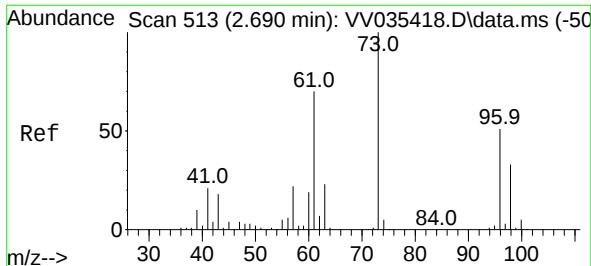
Ion Ratio Lower Upper

84 100

86 63.8 45.1 83.9

49 114.2 82.3 152.8

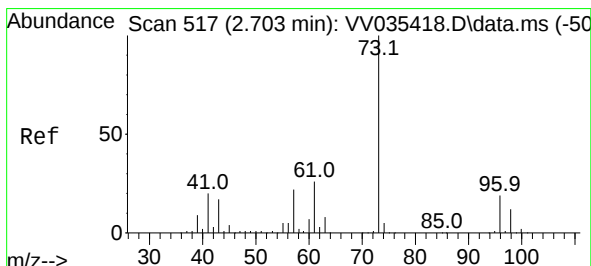
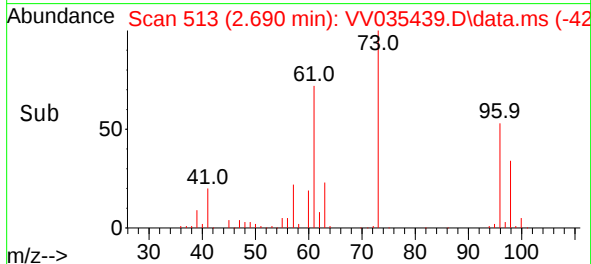
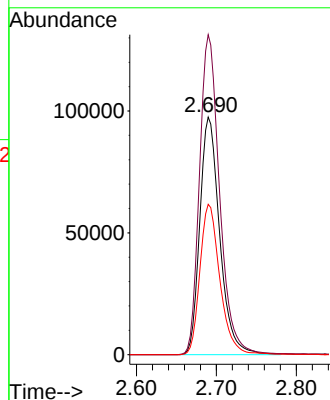
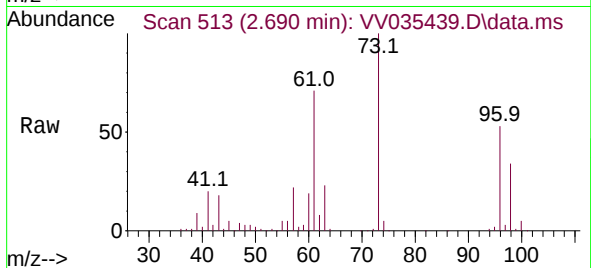




#17
trans-1,2-Dichloroethene
Concen: 49.582 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

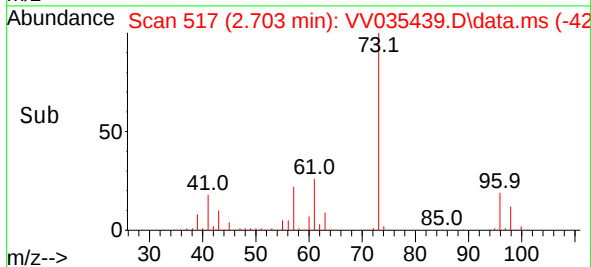
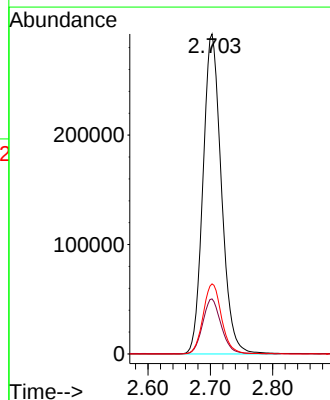
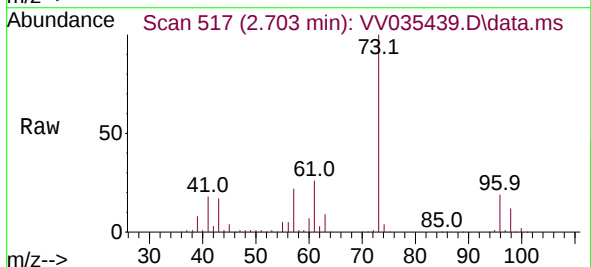
Instrument :
MSVOA_V
ClientSampleId :

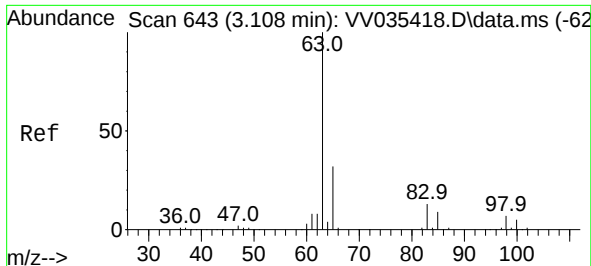
Tgt Ion: 96 Resp: 169383
Ion Ratio Lower Upper
96 100
61 134.7 96.4 179.0
98 63.3 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 52.147 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

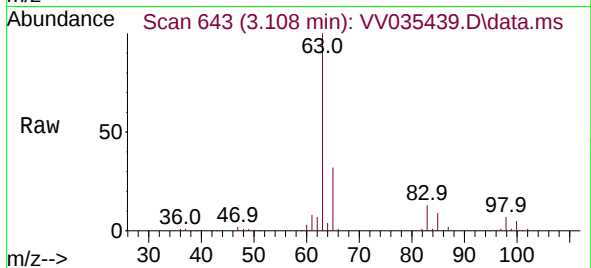
Tgt Ion: 73 Resp: 600004
Ion Ratio Lower Upper
73 100
43 17.0 13.9 20.9
57 22.0 17.4 26.0



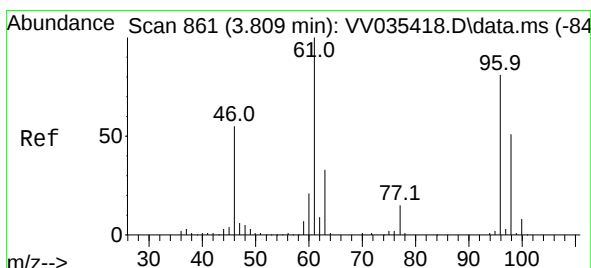
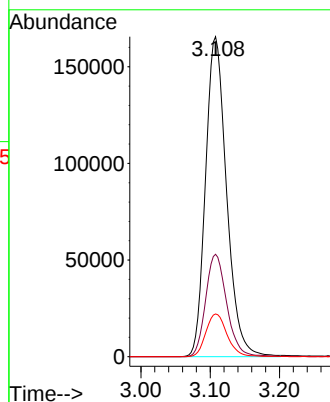
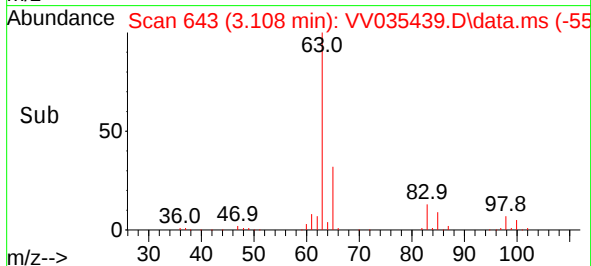


#19
1,1-Dichloroethane
Concen: 49.382 ug/L
RT: 3.108 min Scan# 643
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Instrument :
MSVOA_V
ClientSampleId :

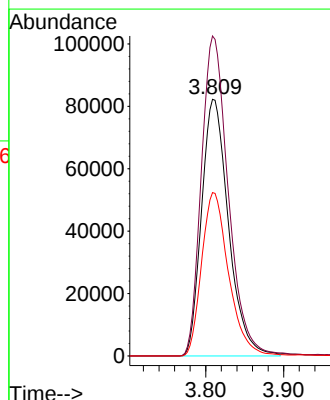
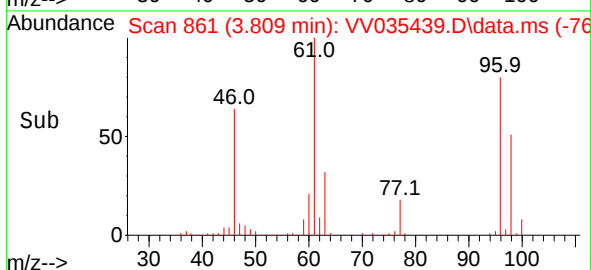
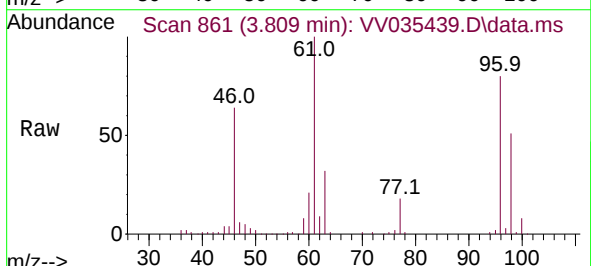


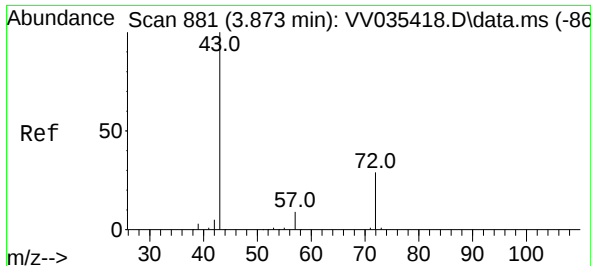
Tgt Ion: 63 Resp: 349210
Ion Ratio Lower Upper
63 100
65 32.0 22.1 41.1
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 51.405 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion: 96 Resp: 197561
Ion Ratio Lower Upper
96 100
61 124.7 86.9 161.5
98 63.7 44.6 82.8





#22

2-Butanone

Concen: 100.384 ug/L

RT: 3.876 min Scan# 881

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

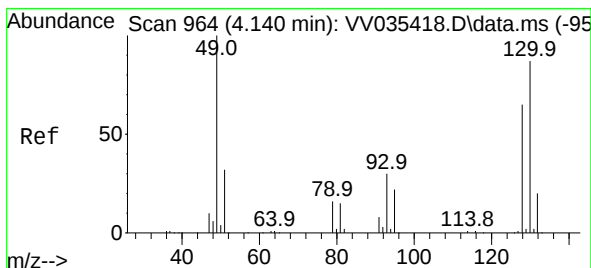
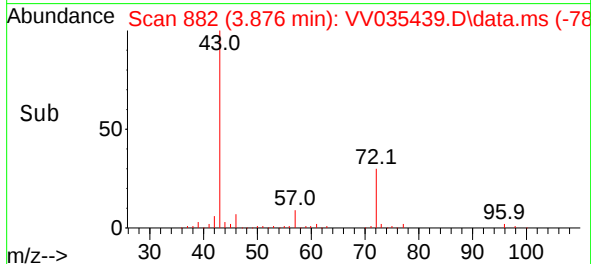
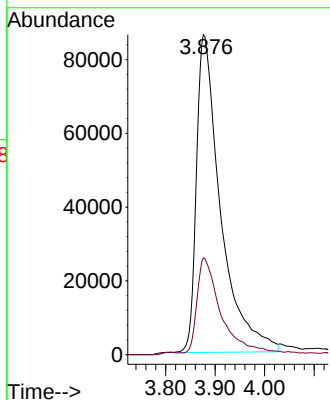
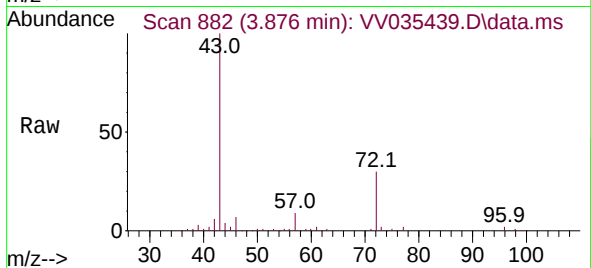
ClientSampleId :

Tgt Ion: 43 Resp: 292326

Ion Ratio Lower Upper

43 100

72 29.8 13.8 41.4



#23

Bromochloromethane

Concen: 50.214 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Tgt Ion:128 Resp: 107391

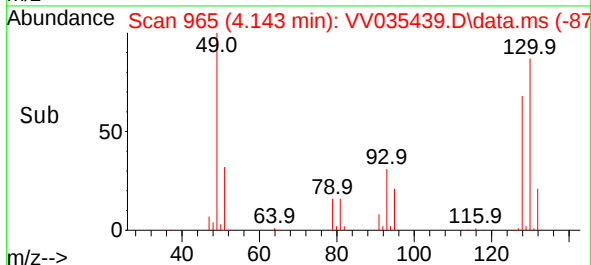
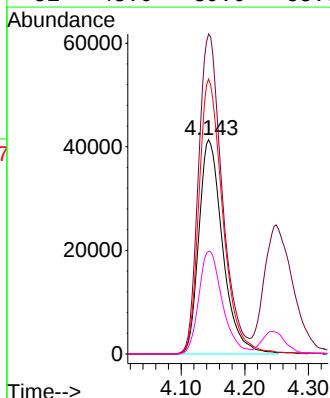
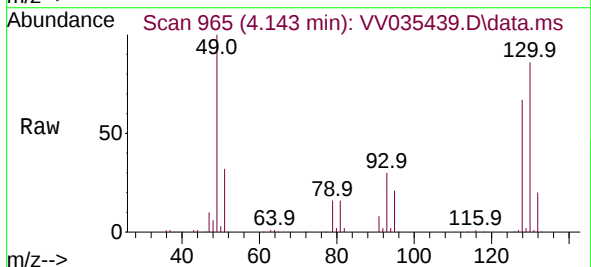
Ion Ratio Lower Upper

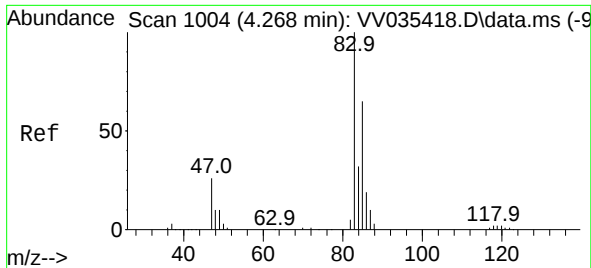
128 100

49 149.4 107.7 200.1

130 128.4 93.4 173.4

51 48.0 39.0 58.6





#25

Chloroform

Concen: 49.351 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

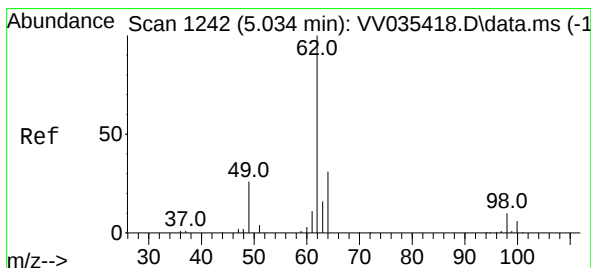
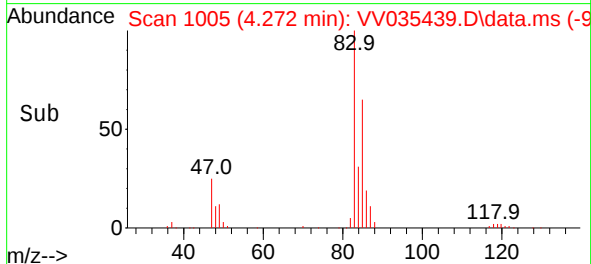
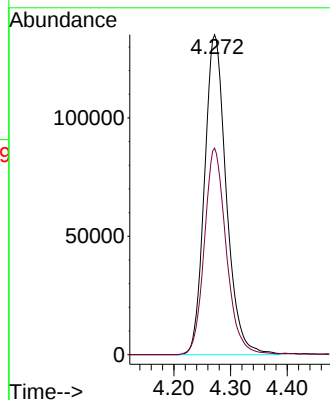
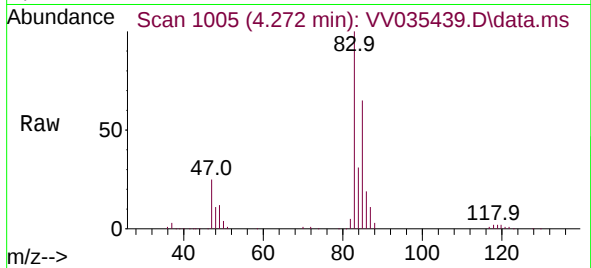
ClientSampleId :

Tgt Ion: 83 Resp: 360736

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 50.463 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV035439.D

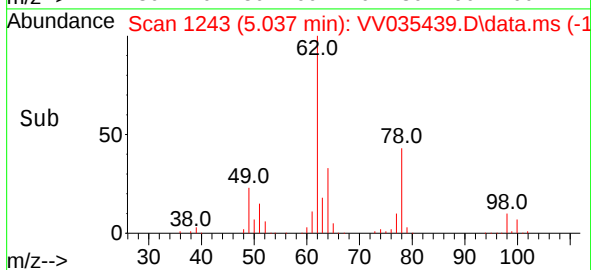
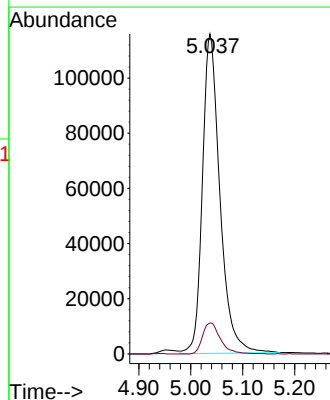
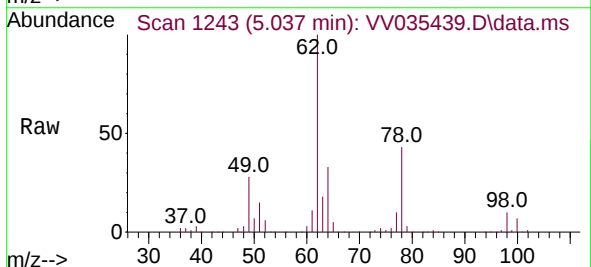
Acq: 26 Apr 2024 20:02

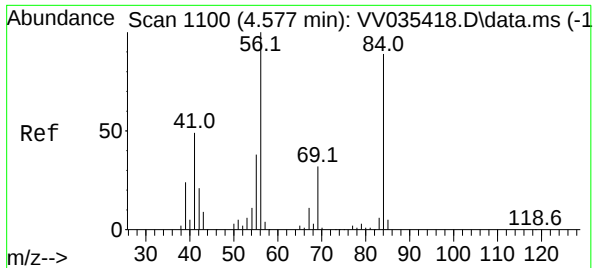
Tgt Ion: 62 Resp: 270881

Ion Ratio Lower Upper

62 100

98 9.6 8.0 12.0





#29

Cyclohexane

Concen: 52.020 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

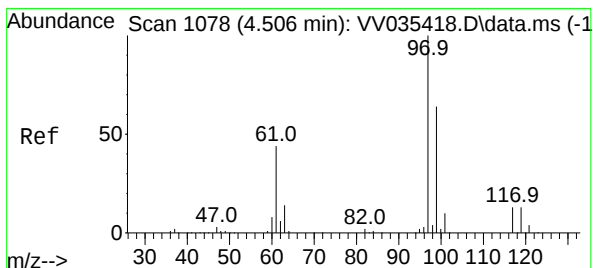
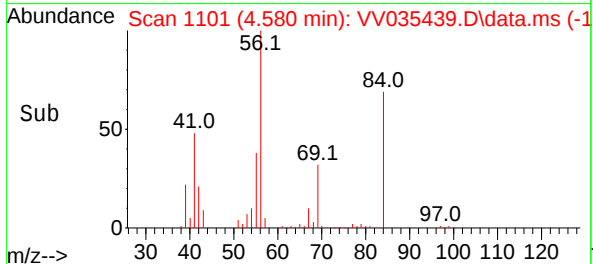
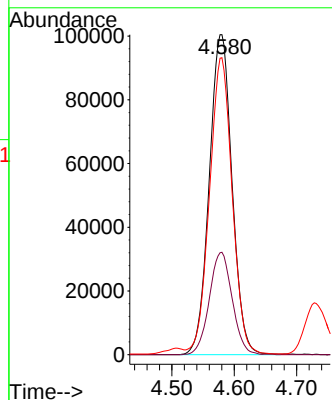
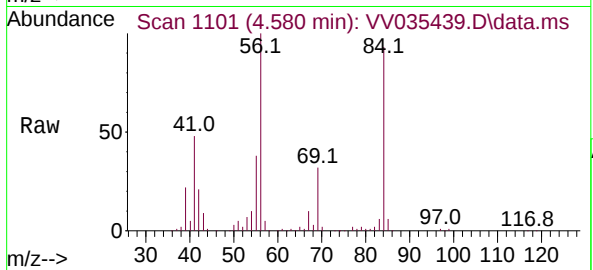
Tgt Ion: 56 Resp: 255010

Ion Ratio Lower Upper

56 100

69 32.1 25.4 38.2

84 91.9 73.5 110.3



#30

1,1,1-Trichloroethane

Concen: 49.435 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

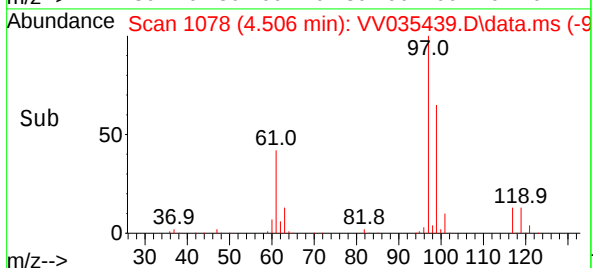
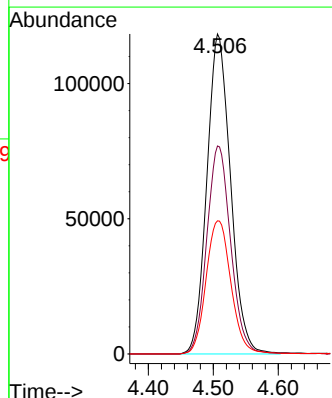
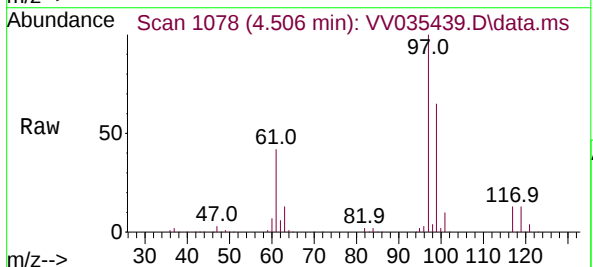
Tgt Ion: 97 Resp: 299782

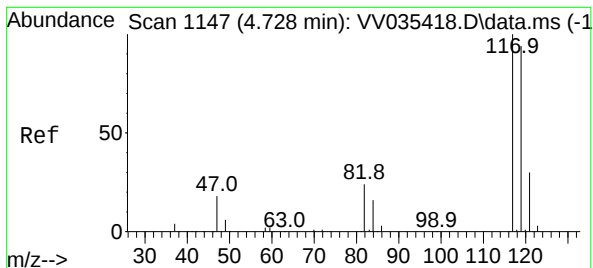
Ion Ratio Lower Upper

97 100

99 65.6 51.3 76.9

61 43.8 35.4 53.2





#31

Carbon tetrachloride

Concen: 49.307 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

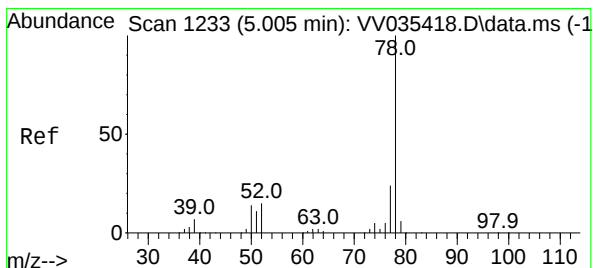
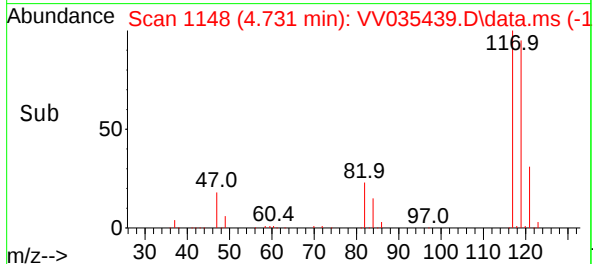
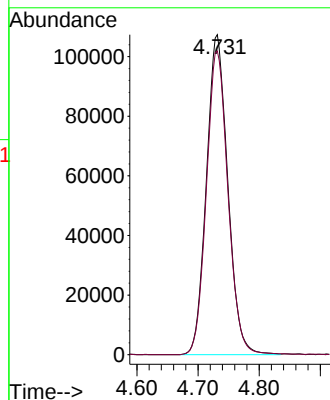
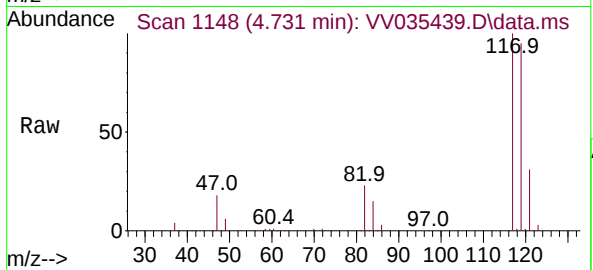
ClientSampleId :

Tgt Ion:117 Resp: 261237

Ion Ratio Lower Upper

117 100

119 95.8 76.4 114.6



#33

Benzene

Concen: 51.540 ug/L

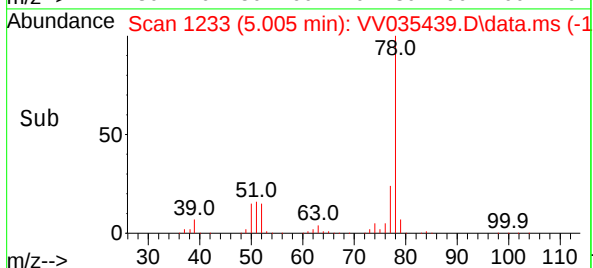
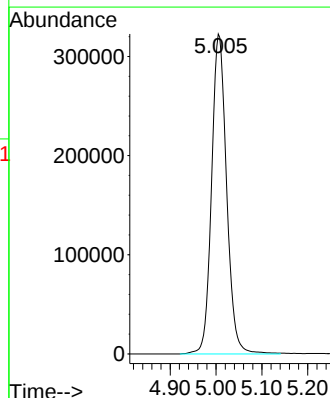
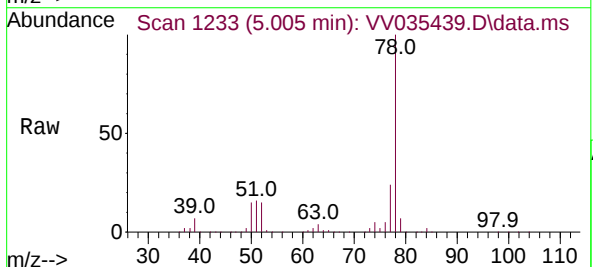
RT: 5.005 min Scan# 1233

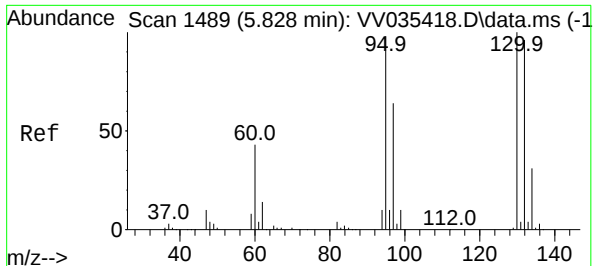
Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Tgt Ion: 78 Resp: 735148





#34

Trichloroethene

Concen: 49.383 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 191039

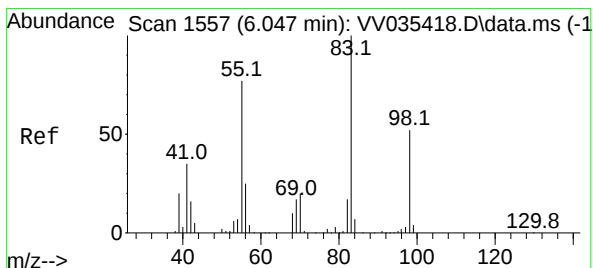
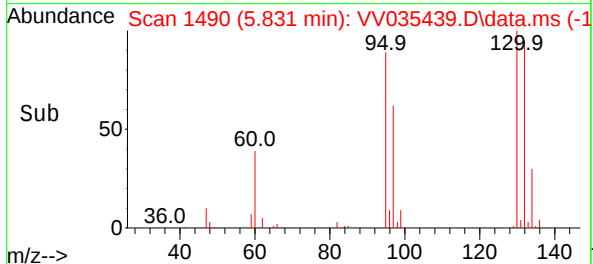
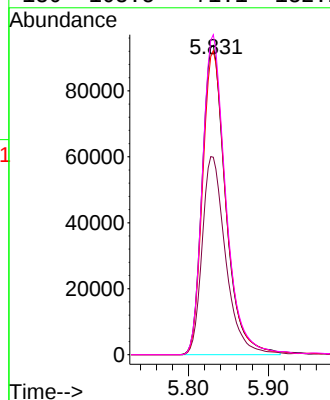
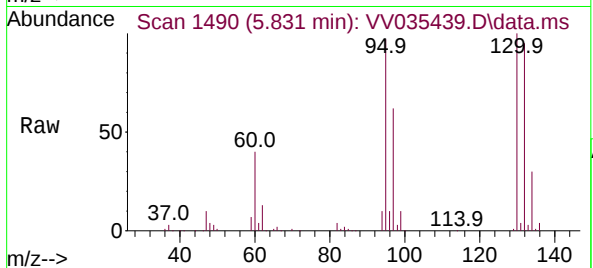
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.0

132 98.3 68.0 126.2

130 103.5 71.1 132.1



#35

Methylcyclohexane

Concen: 50.306 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

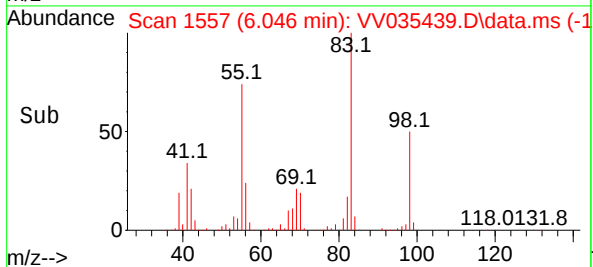
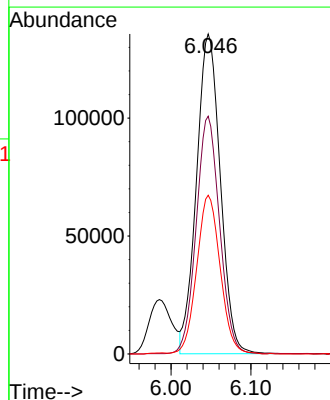
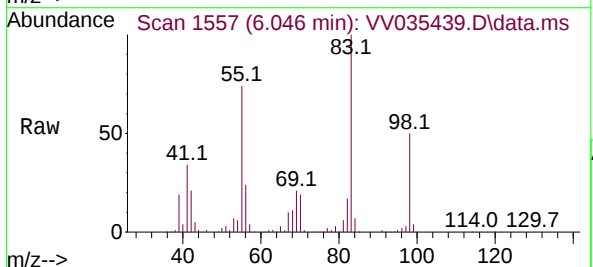
Tgt Ion: 83 Resp: 281574

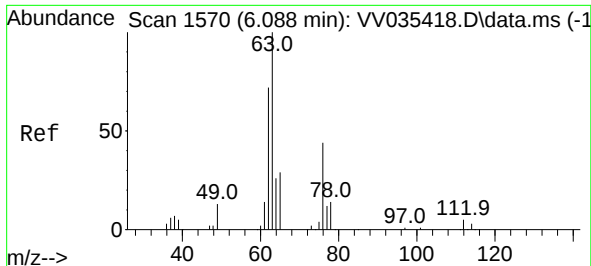
Ion Ratio Lower Upper

83 100

55 73.1 59.7 89.5

98 48.9 39.0 58.6

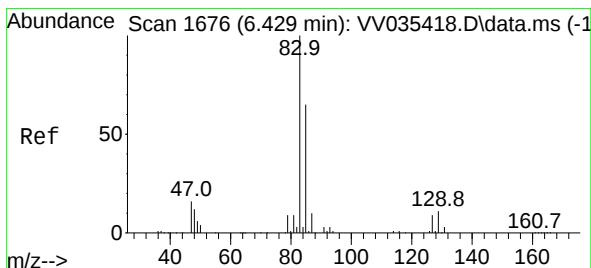
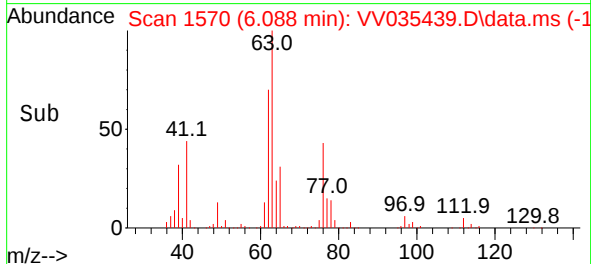
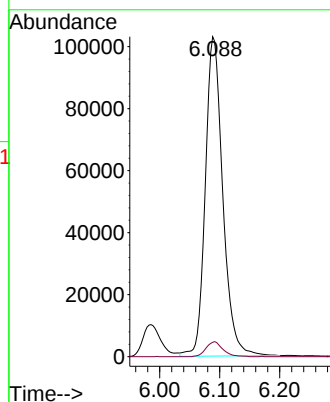
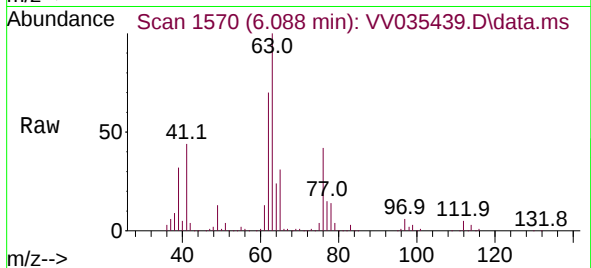




#37
1,2-Dichloropropane
Concen: 52.432 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

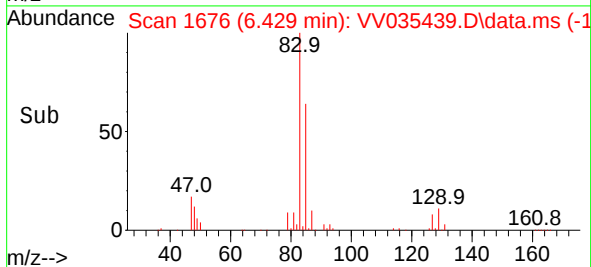
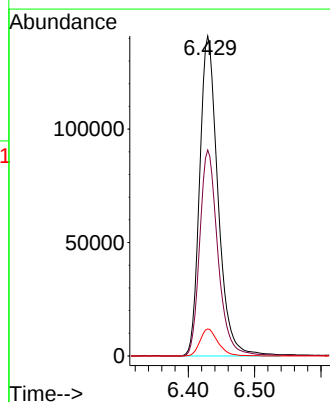
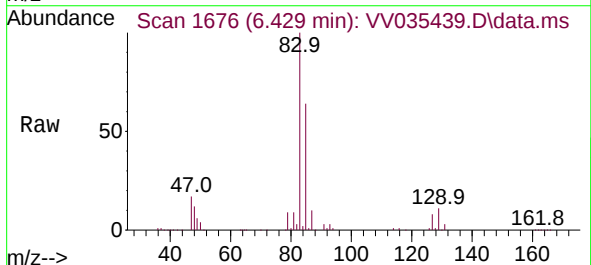
Instrument :
MSVOA_V
ClientSampleId :

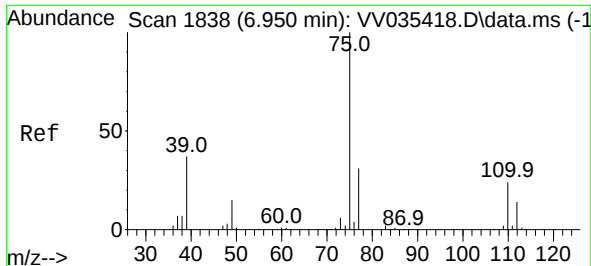
Tgt Ion: 63 Resp: 208791
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 50.415 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion: 83 Resp: 271089
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 53.704 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

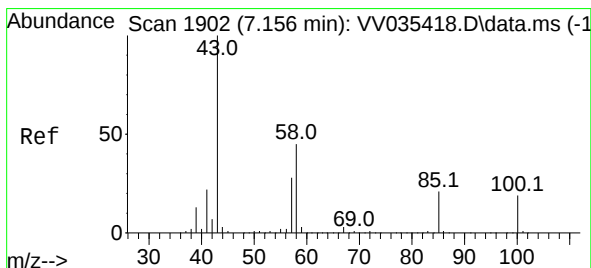
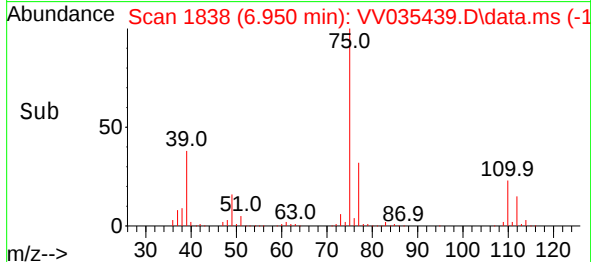
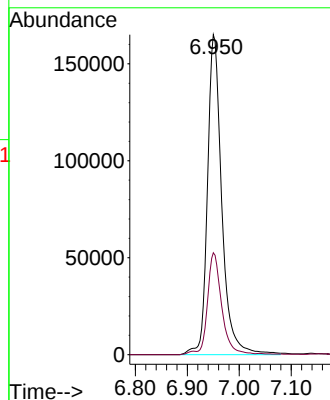
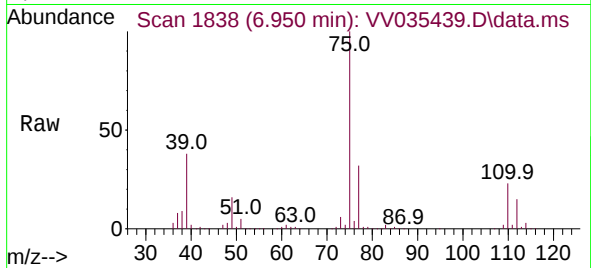
ClientSampleId :

Tgt Ion: 75 Resp: 316520

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 121.885 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

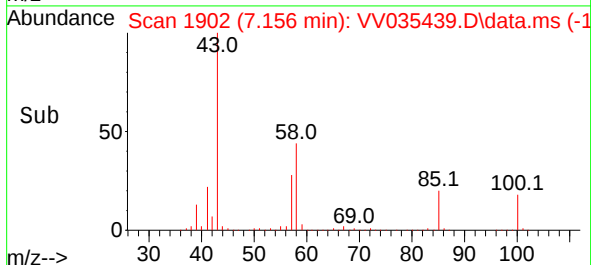
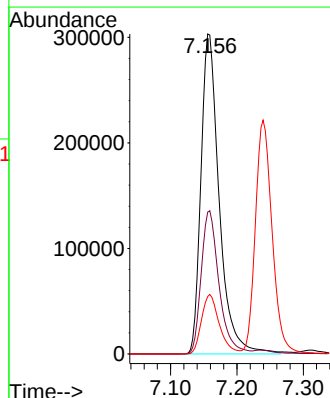
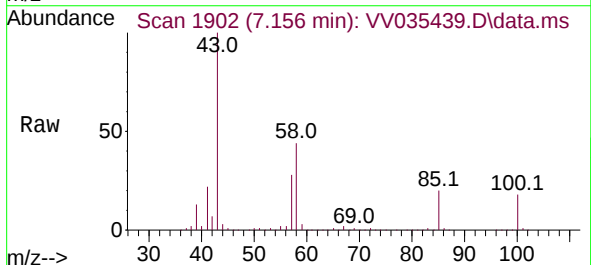
Tgt Ion: 43 Resp: 579609

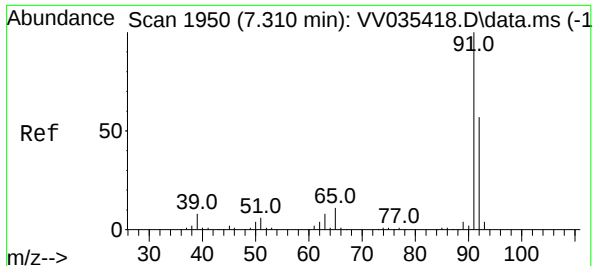
Ion Ratio Lower Upper

43 100

58 43.7 35.0 52.4

100 18.1 14.3 21.5





#42

Toluene

Concen: 52.489 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

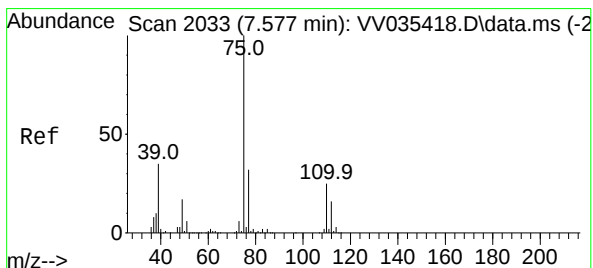
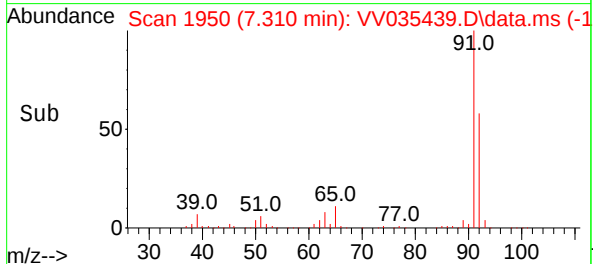
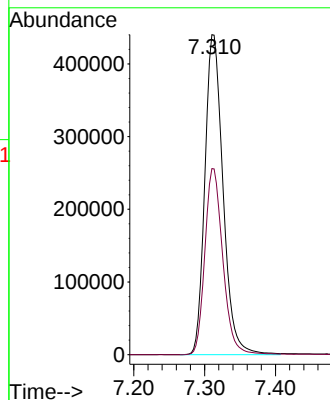
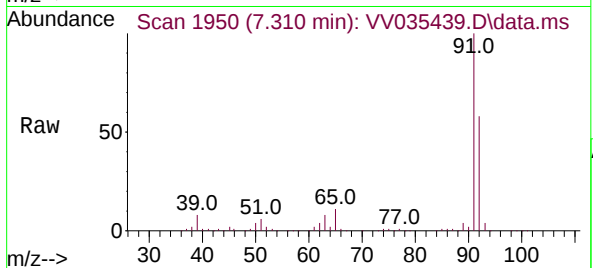
ClientSampleId :

Tgt Ion: 91 Resp: 784547

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 52.985 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035439.D

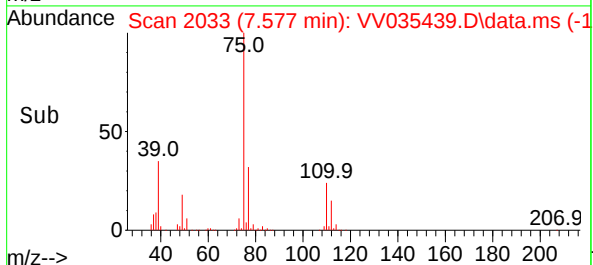
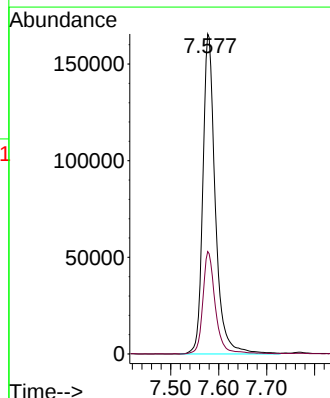
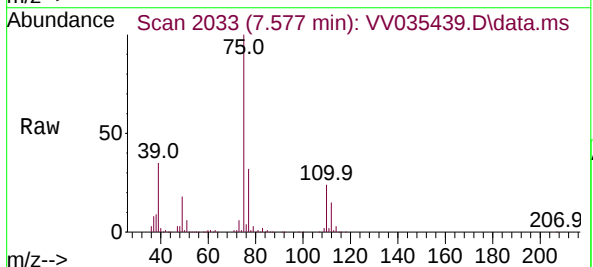
Acq: 26 Apr 2024 20:02

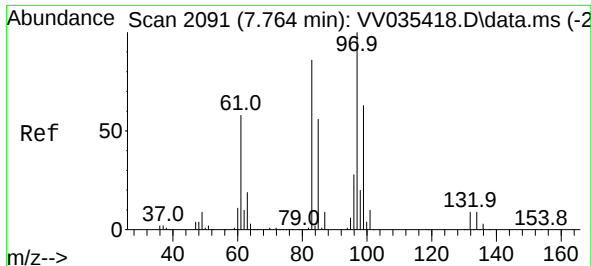
Tgt Ion: 75 Resp: 299773

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

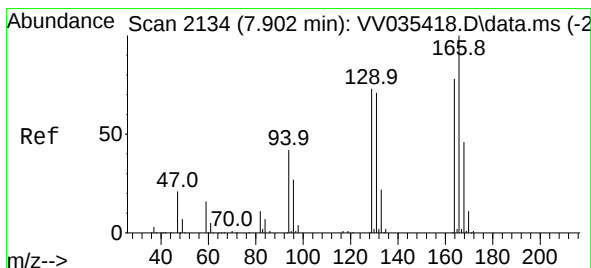
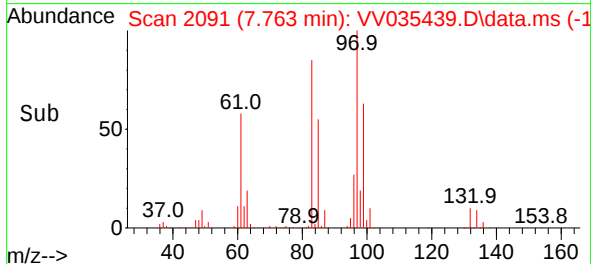
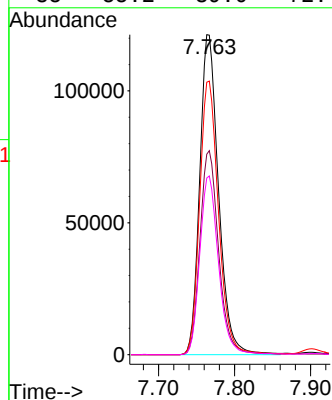
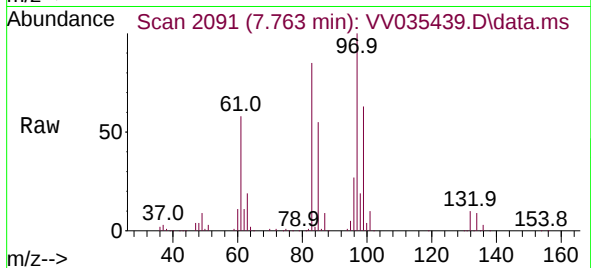




#45
1,1,2-Trichloroethane
Concen: 50.269 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

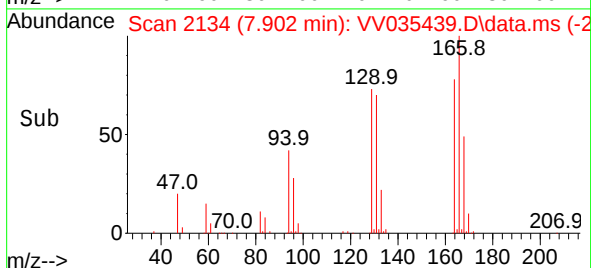
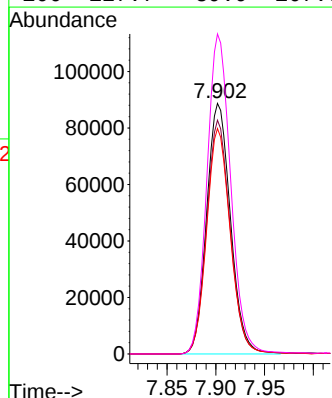
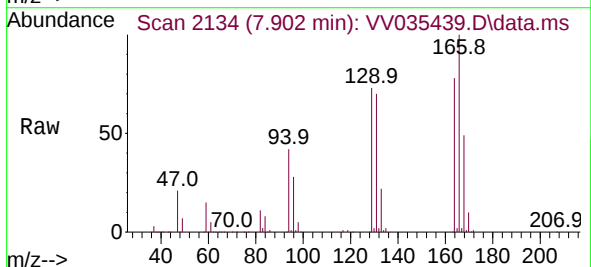
Instrument :
MSVOA_V
ClientSampleId :

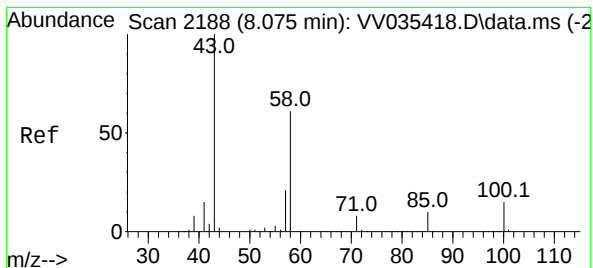
Tgt Ion:	97	Resp:	209038
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.3	82.3
83	85.1	60.5	112.3
85	55.2	39.0	72.4



#46
Tetrachloroethene
Concen: 49.789 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion:	164	Resp:	151099
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.7	122.1
131	90.0	63.6	118.0
166	127.7	89.9	167.0





#48

2-Hexanone

Concen: 113.564 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

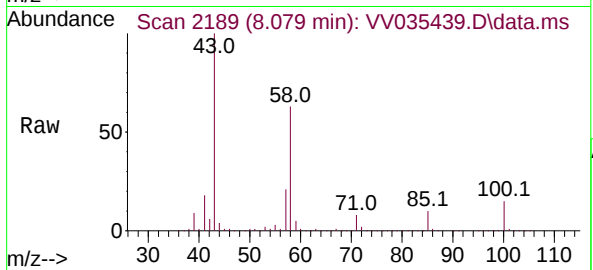
Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 459095

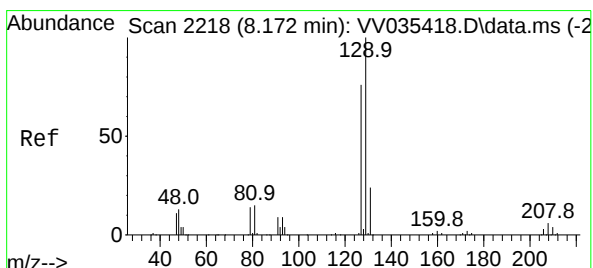
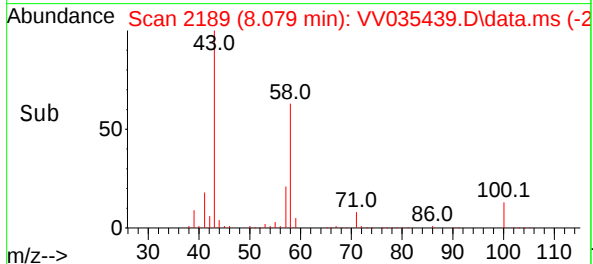
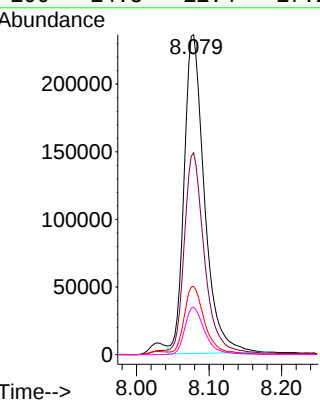
Ion Ratio Lower Upper

43 100

58 64.7 49.4 74.0

57 21.6 17.1 25.7

100 14.8 11.4 17.2



#49

Dibromochloromethane

Concen: 50.551 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV035439.D

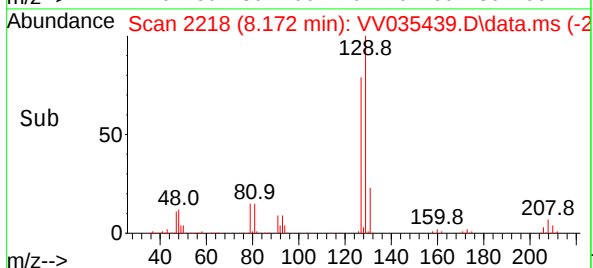
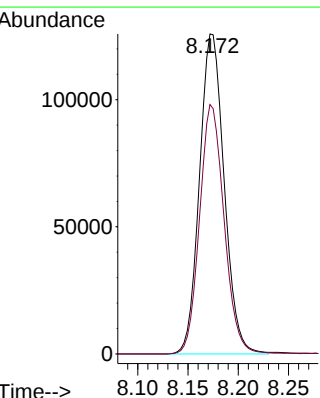
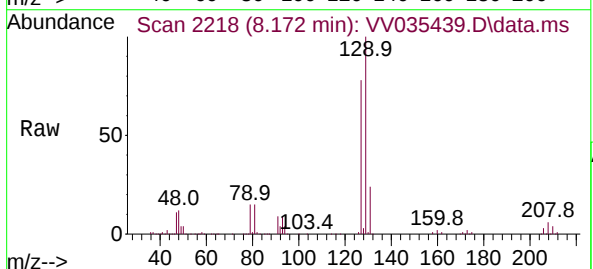
Acq: 26 Apr 2024 20:02

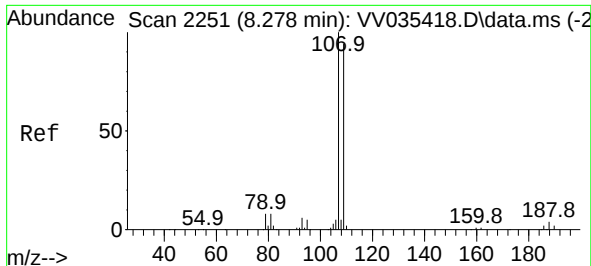
Tgt Ion:129 Resp: 214892

Ion Ratio Lower Upper

129 100

127 77.9 53.1 98.5





#50

1,2-Dibromoethane

Concen: 51.938 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

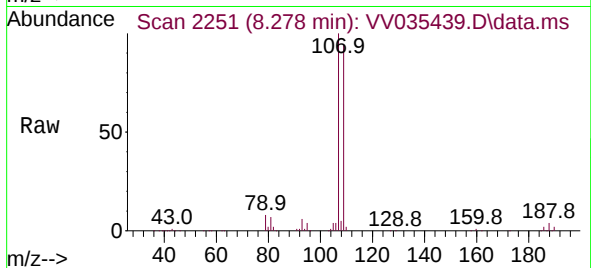
Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :



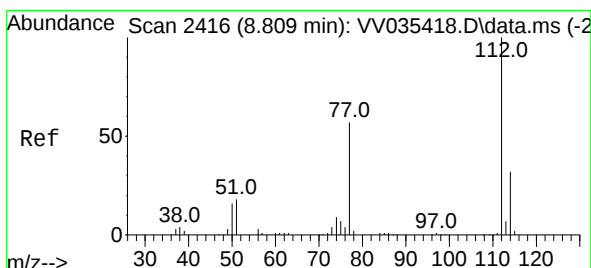
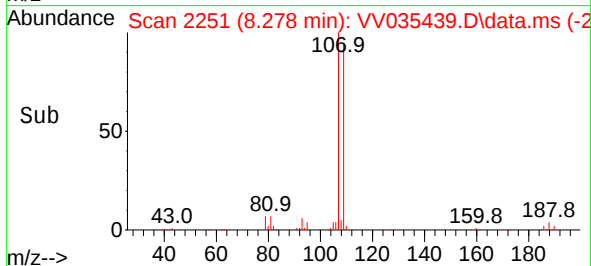
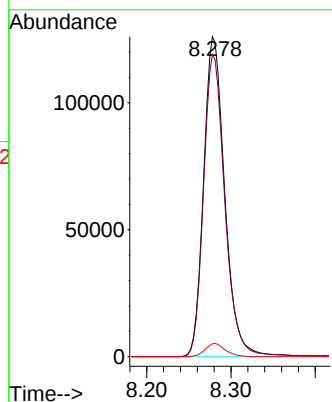
Tgt Ion:107 Resp: 219726

Ion Ratio Lower Upper

107 100

109 94.5 65.7 122.1

188 4.0 3.1 4.7



#51

Chlorobenzene

Concen: 49.577 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

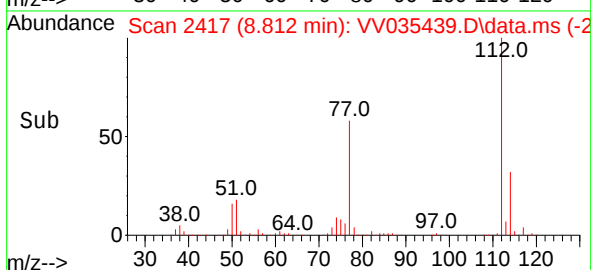
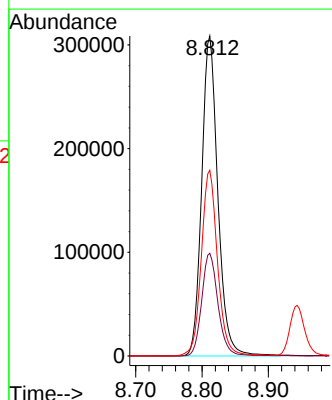
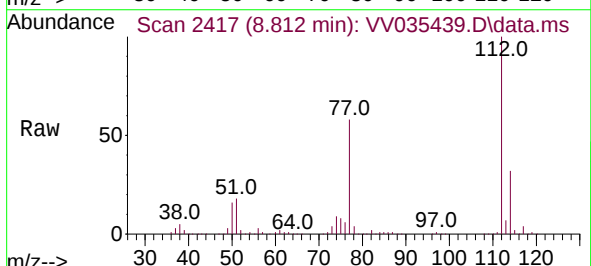
Tgt Ion:112 Resp: 522537

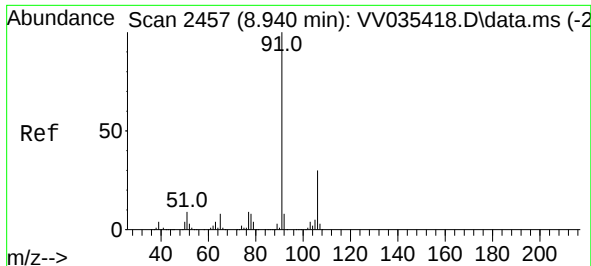
Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

77 58.0 45.6 68.4





#52

Ethylbenzene

Concen: 52.632 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

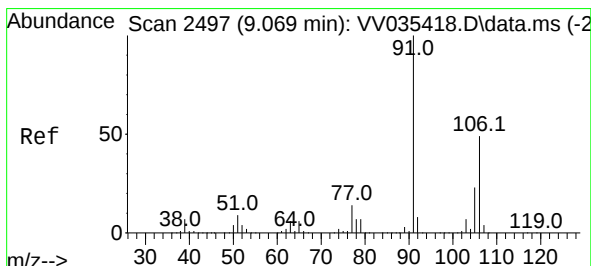
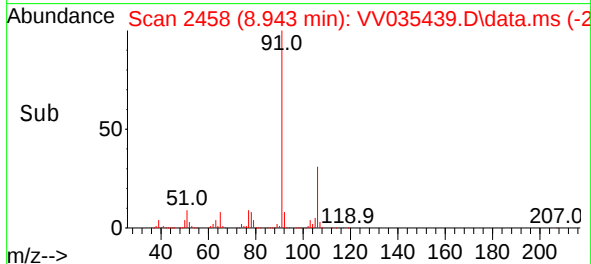
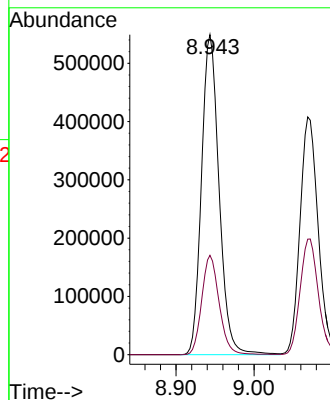
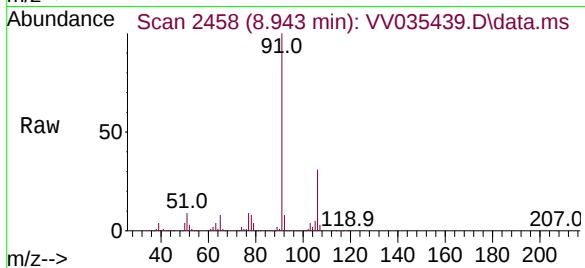
ClientSampleId :

Tgt Ion: 91 Resp: 859625

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-Xylene

Concen: 52.424 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035439.D

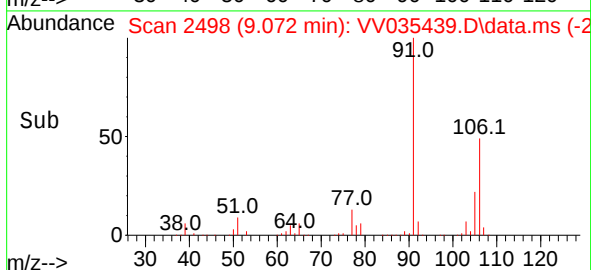
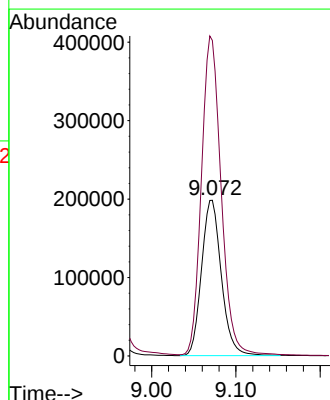
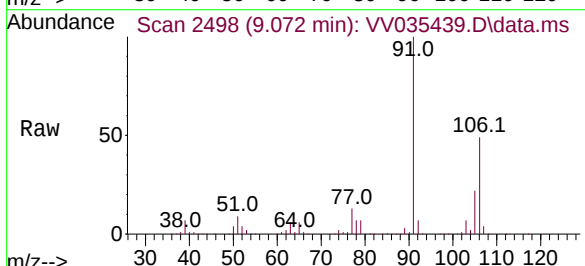
Acq: 26 Apr 2024 20:02

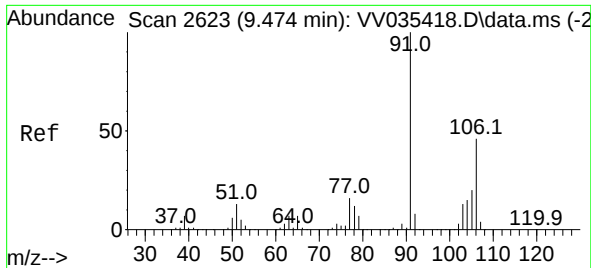
Tgt Ion: 106 Resp: 324047

Ion Ratio Lower Upper

106 100

91 202.7 142.2 264.0

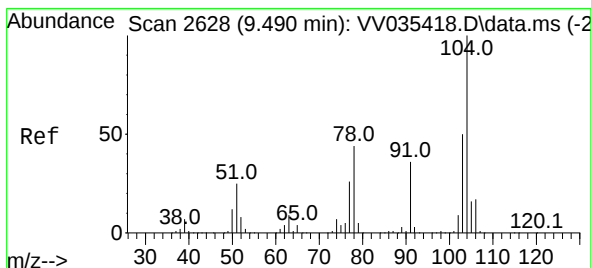
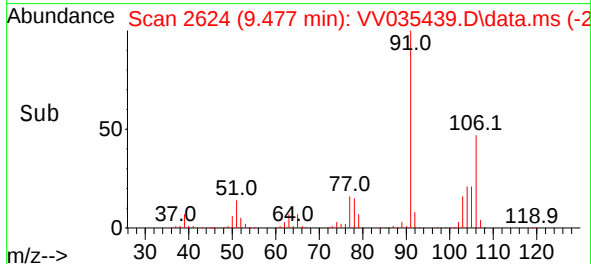
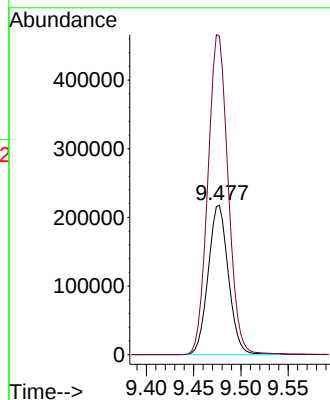
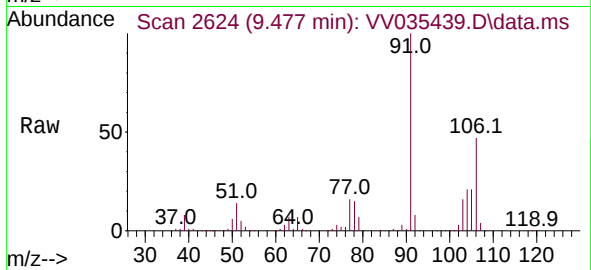




#54
o-Xylene
Concen: 53.621 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

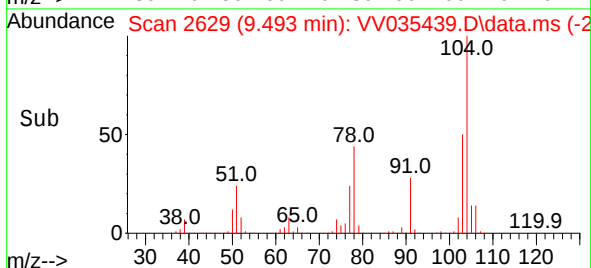
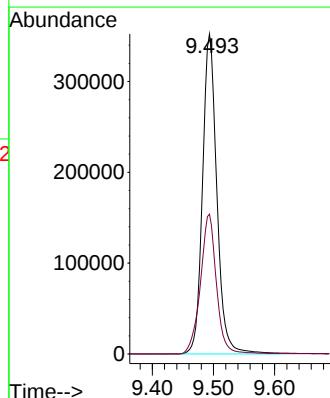
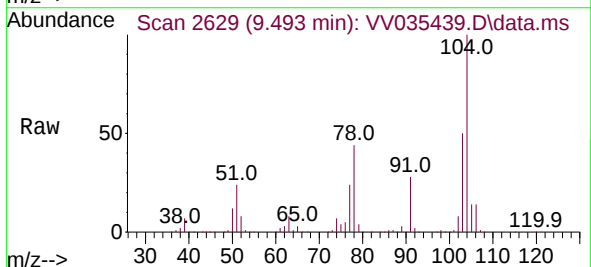
Instrument :
MSVOA_V
ClientSampleId :

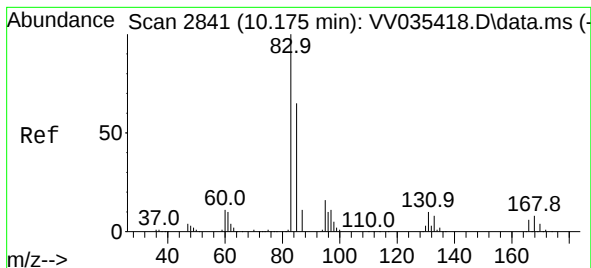
Tgt Ion:106 Resp: 324093
Ion Ratio Lower Upper
106 100
91 213.3 152.7 283.5



#55
Styrene
Concen: 55.158 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion:104 Resp: 574952
Ion Ratio Lower Upper
104 100
78 43.7 30.9 57.3

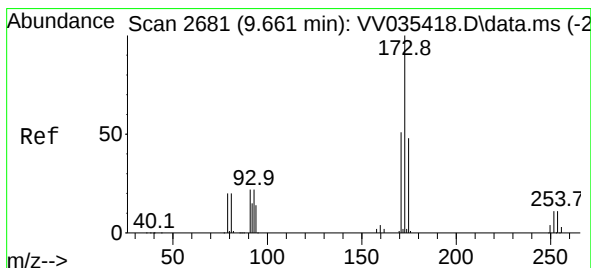
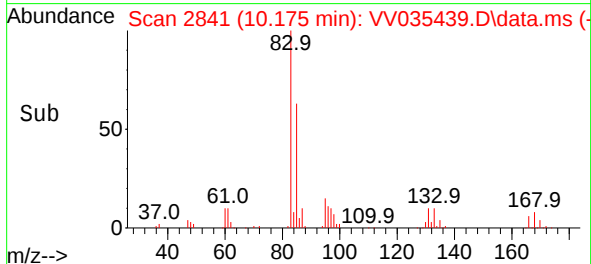
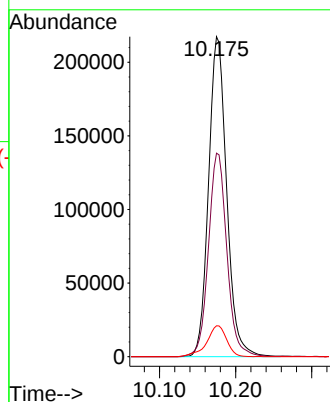
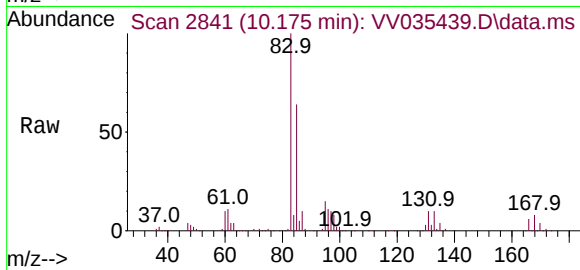




#57
1,1,2,2-Tetrachloroethane
Concen: 53.188 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

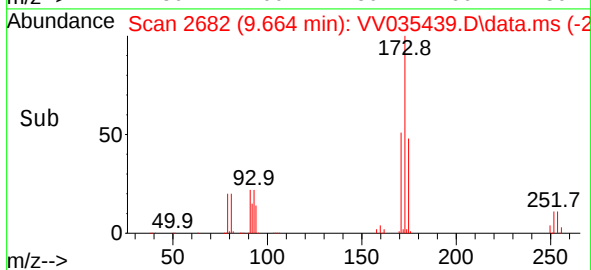
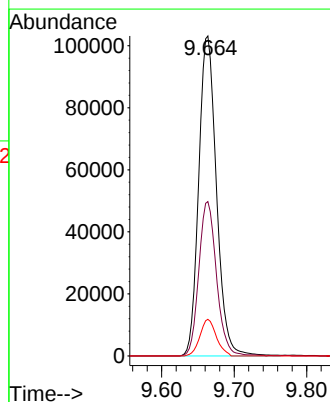
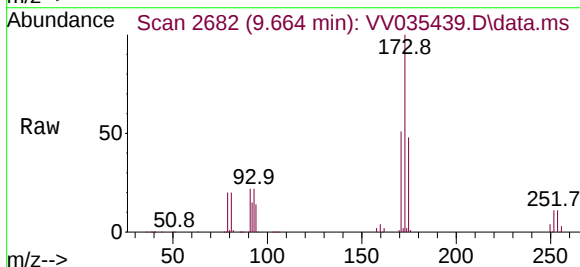
Instrument :
MSVOA_V
ClientSampleId :

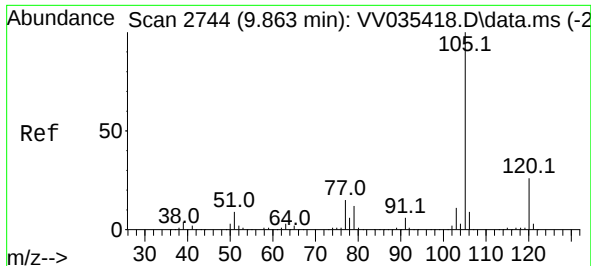
Tgt Ion: 83 Resp: 359530
Ion Ratio Lower Upper
83 100
85 63.6 45.4 84.2
131 9.7 7.9 11.9



#59
Bromoform
Concen: 51.265 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion: 173 Resp: 175456
Ion Ratio Lower Upper
173 100
175 47.9 38.6 58.0
254 10.6 8.7 13.1





#60

Isopropylbenzene

Concen: 52.861 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

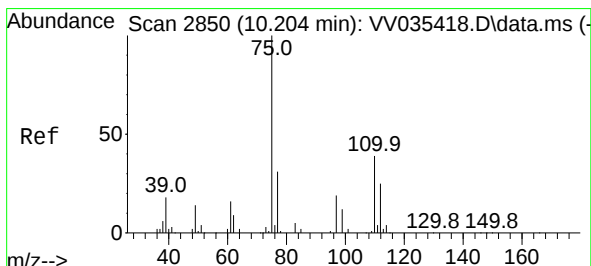
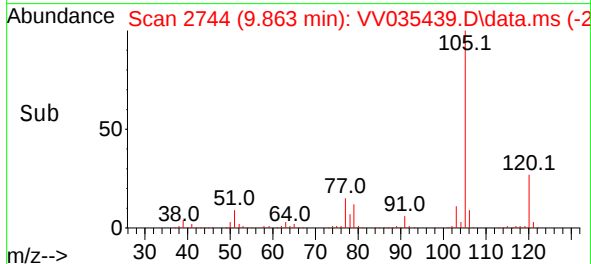
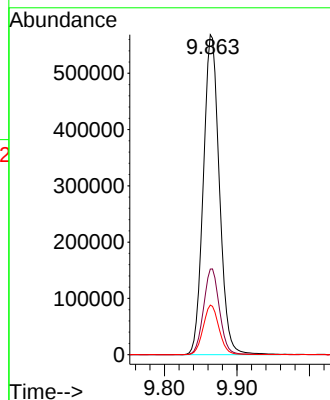
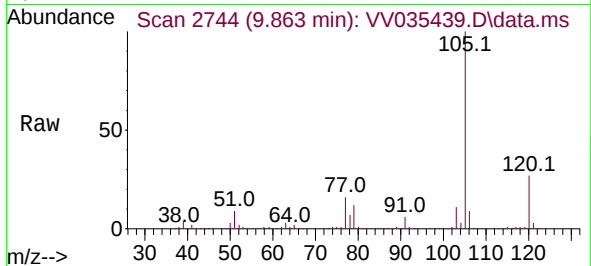
Tgt Ion:105 Resp: 874259

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 15.3 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 52.452 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

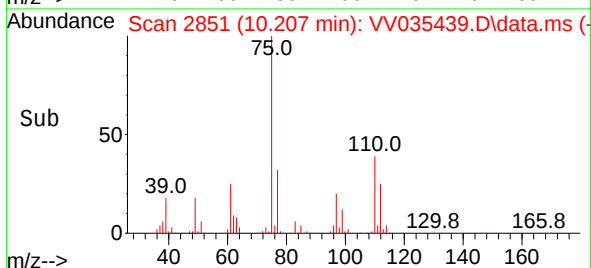
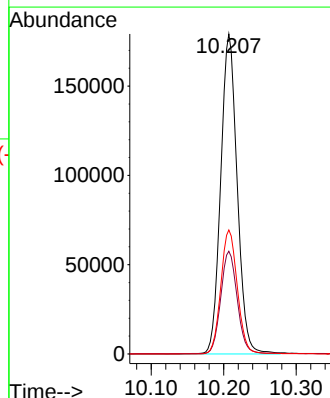
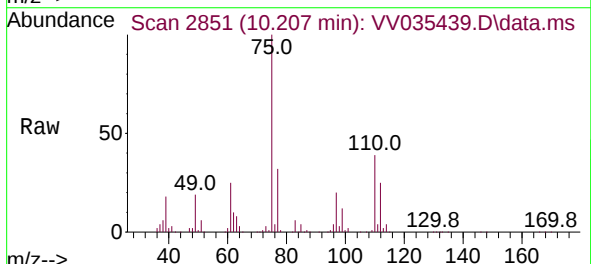
Tgt Ion: 75 Resp: 283032

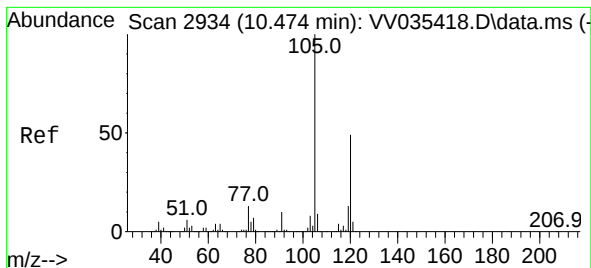
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

110 38.7 31.2 46.8

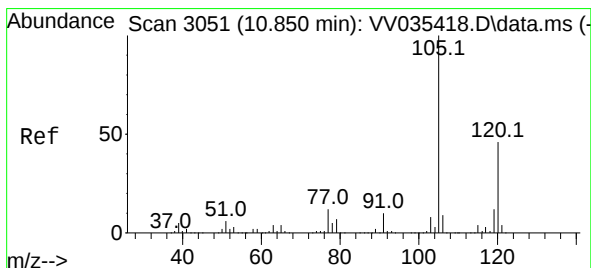
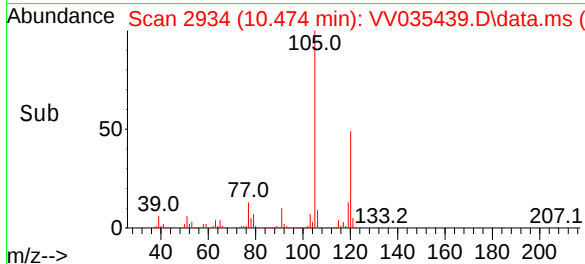
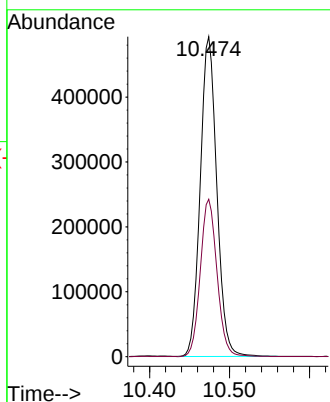
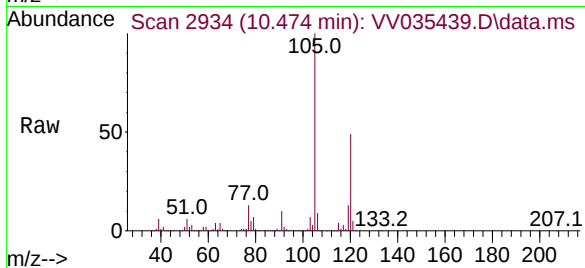




#62
1,3,5-Trimethylbenzene
Concen: 53.359 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

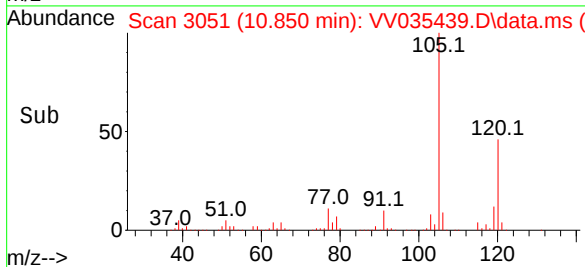
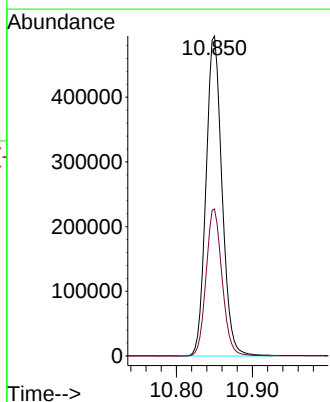
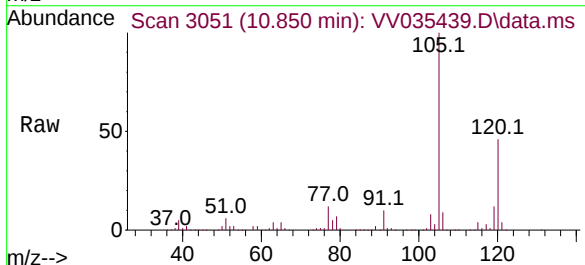
Instrument :
MSVOA_V
ClientSampleId :

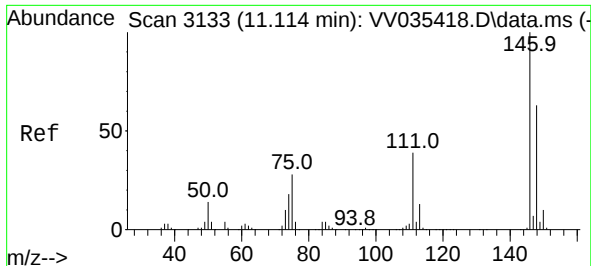
Tgt Ion:105 Resp: 710950
Ion Ratio Lower Upper
105 100
120 49.7 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 55.478 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VV035439.D
Acq: 26 Apr 2024 20:02

Tgt Ion:105 Resp: 723704
Ion Ratio Lower Upper
105 100
120 46.0 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 50.693 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

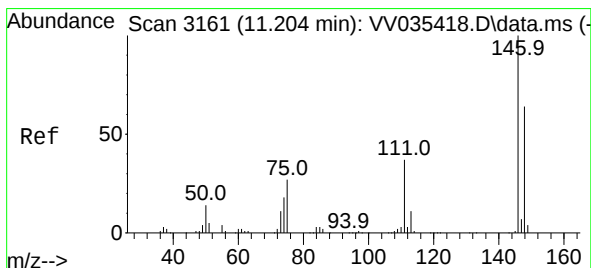
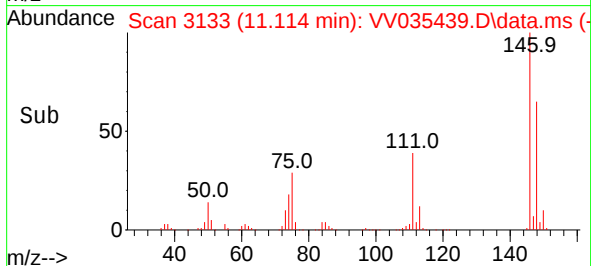
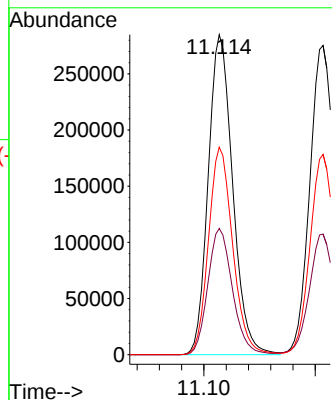
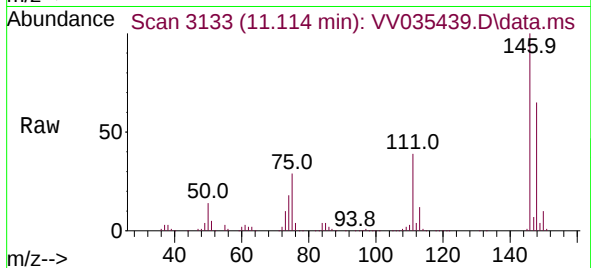
Tgt Ion:146 Resp: 434327

Ion Ratio Lower Upper

146 100

111 39.4 27.0 50.2

148 64.8 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.389 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

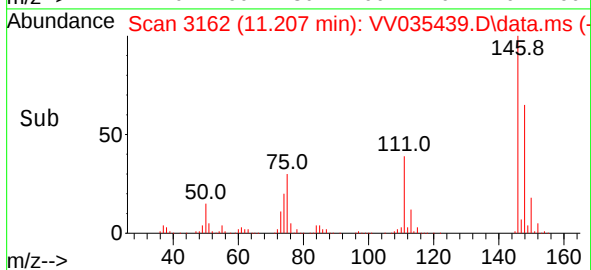
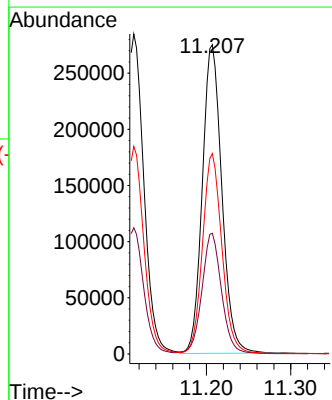
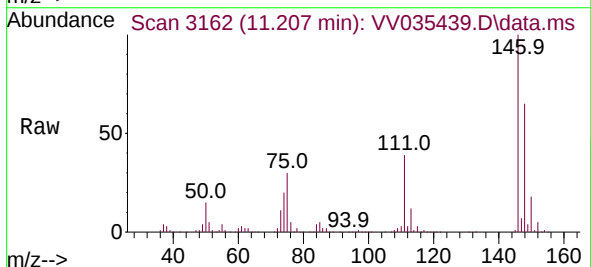
Tgt Ion:146 Resp: 443842

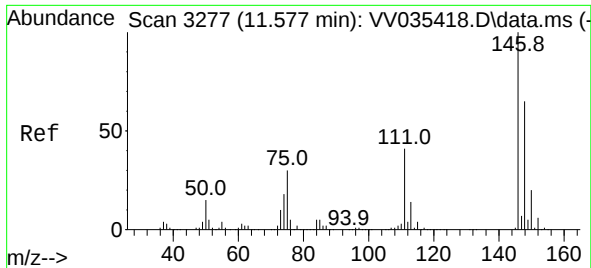
Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

148 64.8 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 51.189 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

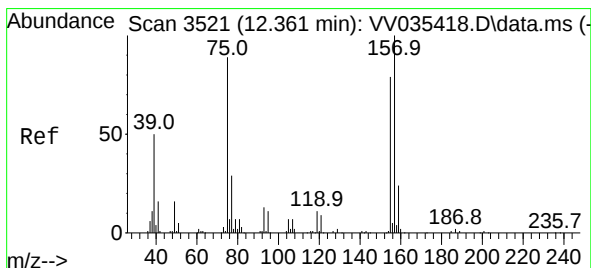
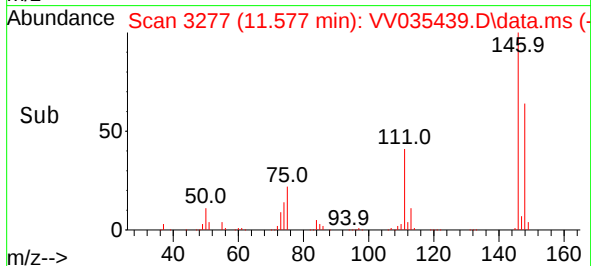
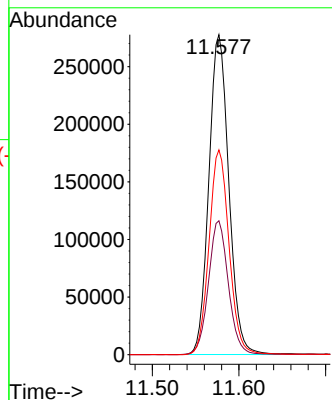
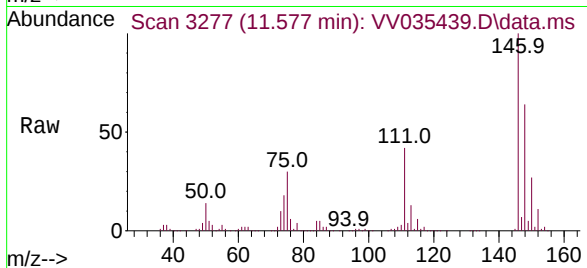
Tgt Ion:146 Resp: 444356

Ion Ratio Lower Upper

146 100

111 41.9 33.3 49.9

148 64.0 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 56.624 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

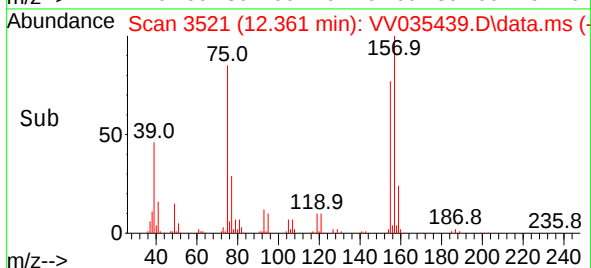
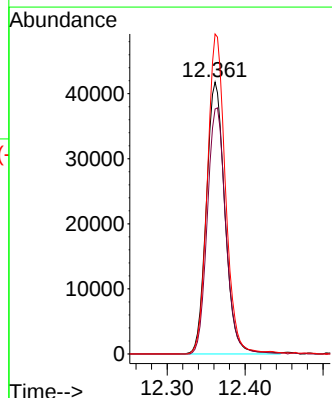
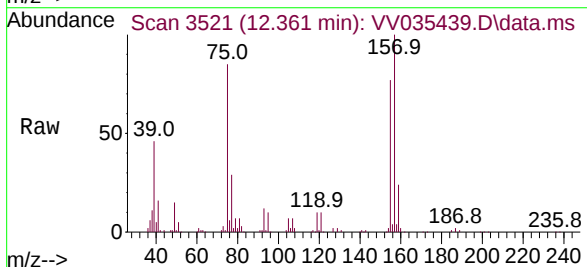
Tgt Ion: 75 Resp: 69126

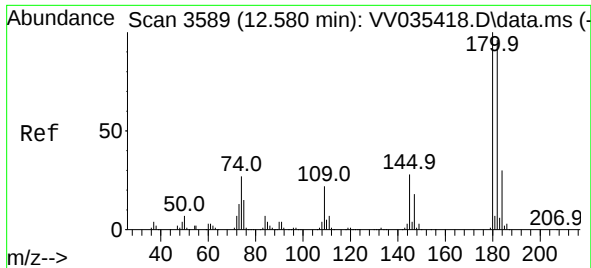
Ion Ratio Lower Upper

75 100

155 90.1 70.6 106.0

157 117.7 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 51.437 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

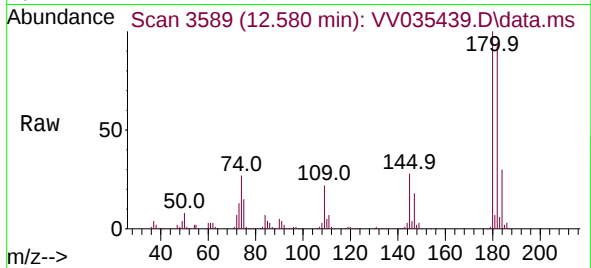
Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 312250

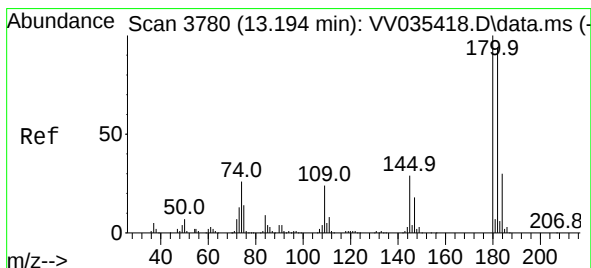
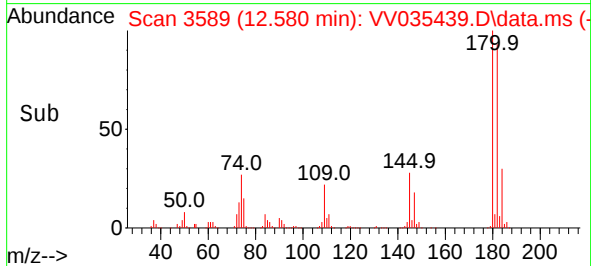
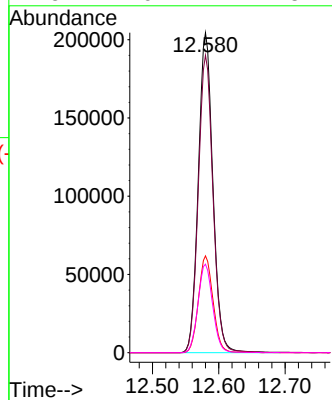
Ion Ratio Lower Upper

180 100

182 93.6 76.2 114.2

184 30.2 23.8 35.6

145 27.9 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 52.295 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

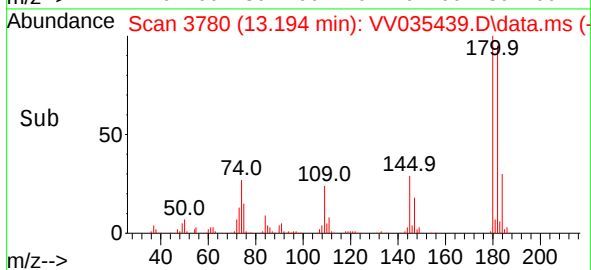
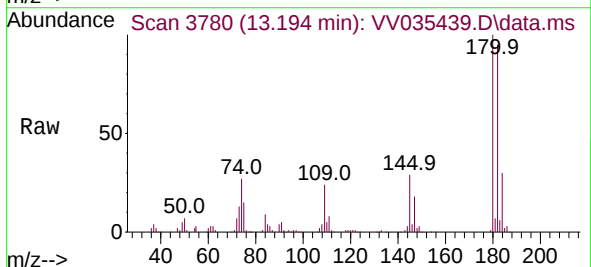
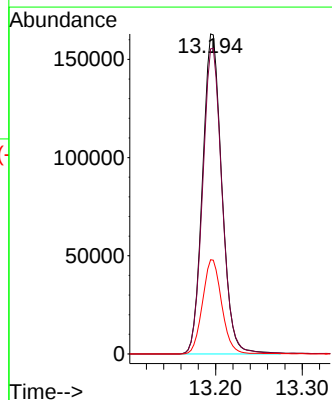
Tgt Ion:180 Resp: 252013

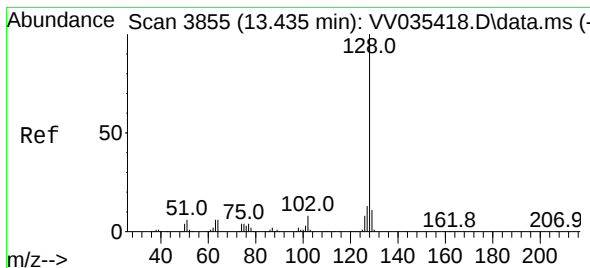
Ion Ratio Lower Upper

180 100

182 96.1 75.1 112.7

145 29.2 23.2 34.8





#71

Naphthalene

Concen: 65.465 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Instrument :

MSVOA_V

ClientSampleId :

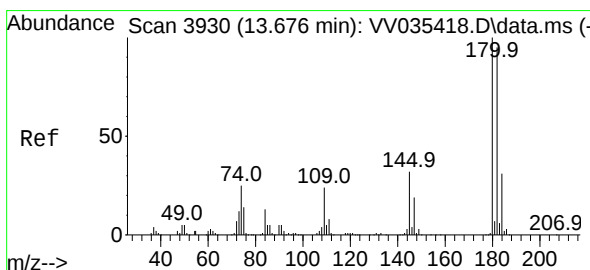
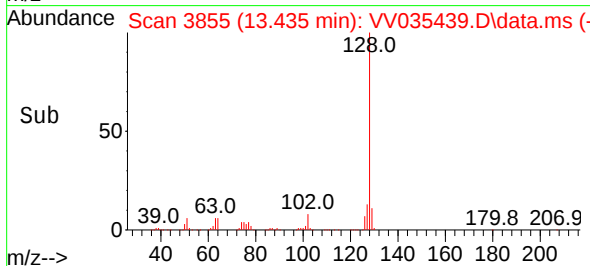
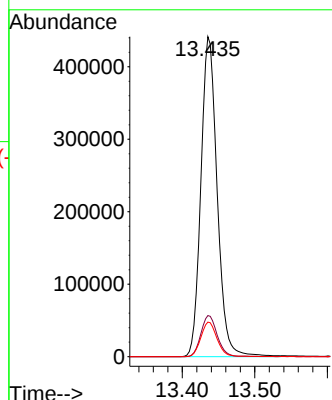
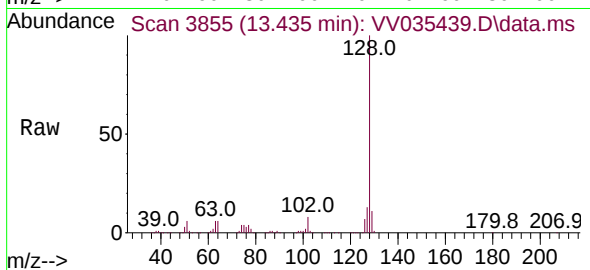
Tgt Ion:128 Resp: 688245

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 55.407 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035439.D

Acq: 26 Apr 2024 20:02

Tgt Ion:180 Resp: 260173

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 31.1 24.7 37.1

