

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
 Data File : VV035345.D
 Acq On : 22 Apr 2024 19:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:34:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:28:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	413424	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	415378	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	231455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	197987	49.588	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.180%		
7) Chloroethane-d5	1.532	69	159827	46.088	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.180%		
11) 1,1-Dichloroethene-d2	2.060	65	81883	46.785	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.580%		
21) 2-Butanone-d5	3.793	46	215327	90.933	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.930%		
24) Chloroform-d	4.246	84	342213	50.978	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.960%		
26) 1,2-Dichloroethane-d4	4.940	65	204496	47.981	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.960%		
32) Benzene-d6	4.957	84	681411	48.837	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.680%		
36) 1,2-Dichloropropane-d6	5.985	67	210232	47.449	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.900%		
41) Toluene-d8	7.239	98	633138	50.386	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.780%		
43) trans-1,3-Dichloroprop...	7.551	79	97892	45.448	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.900%		
47) 2-Hexanone-d5	8.024	63	133808	79.878	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.880%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	300481	49.248	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.500%		
66) 1,2-Dichlorobenzene-d4	11.558	152	244870	47.121	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	113312	37.816	ug/L	99
3) Chloromethane	1.214	50	136466	35.426	ug/L	100
5) Vinyl chloride	1.285	62	154800	38.333	ug/L	99
6) Bromomethane	1.490	94	84378	27.874	ug/L	100
8) Chloroethane	1.548	64	111982	40.602	ug/L	98
9) Trichlorofluoromethane	1.712	101	227718	42.963	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	151680	46.755	ug/L	97
12) 1,1-Dichloroethene	2.069	96	129403	41.706	ug/L	97
13) Acetone	2.124	43	174404	80.224	ug/L	100
14) Carbon disulfide	2.240	76	297263	34.021	ug/L	100
15) Methyl Acetate	2.375	43	184633	53.894	ug/L	98
16) Methylene chloride	2.445	84	175860	52.309	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	143351	47.787	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	543515	51.584	ug/L	100
19) 1,1-Dichloroethane	3.111	63	328053	53.328	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	178550	52.416	ug/L	96
22) 2-Butanone	3.873	43	238568	94.570	ug/L	96
23) Bromochloromethane	4.146	128	95967	56.309	ug/L	93
25) Chloroform	4.275	83	341157	56.093	ug/L	99

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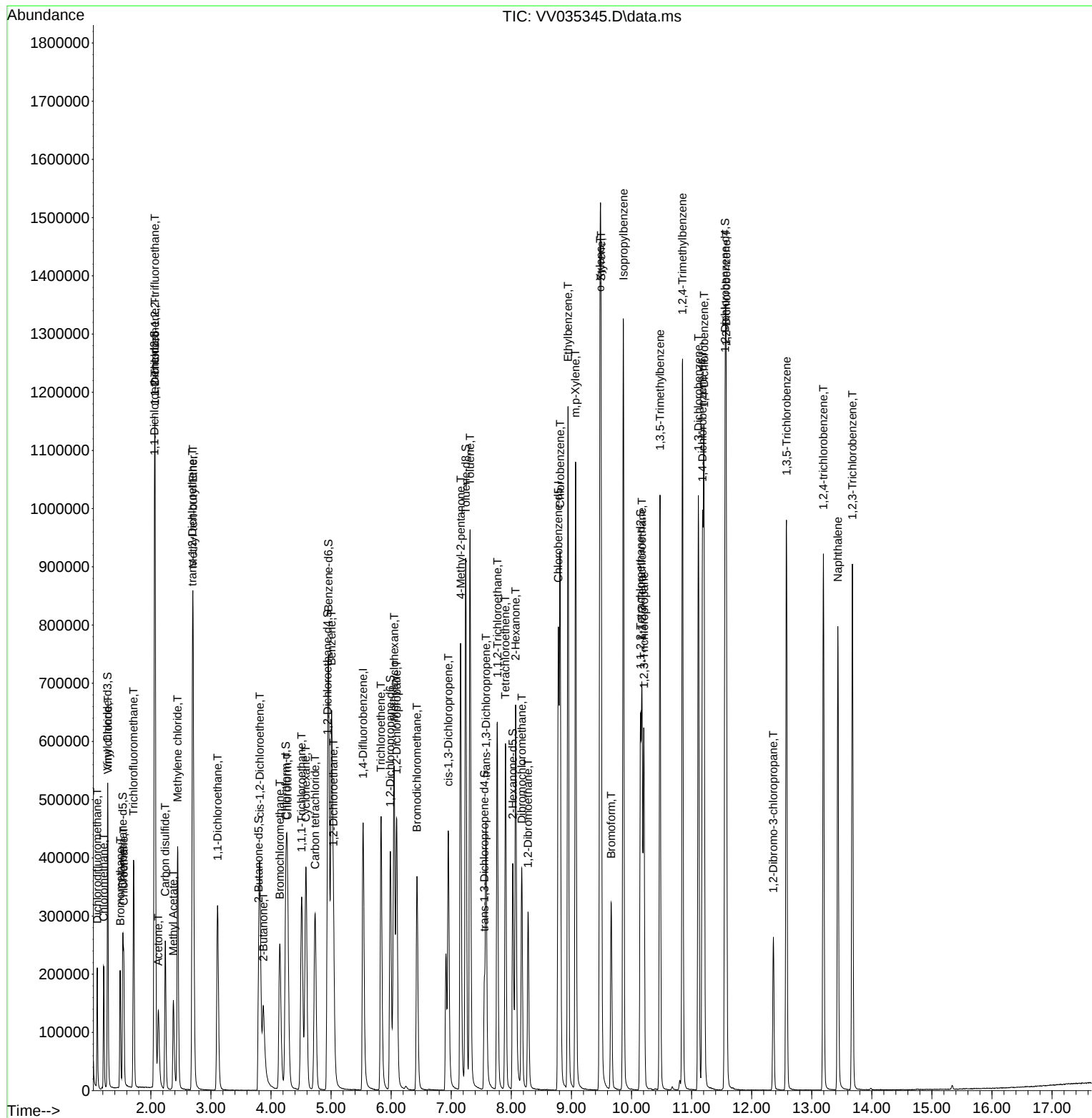
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	254781	52.614	ug/L	97
29) Cyclohexane	4.580	56	211457	40.645	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	279128	51.552	ug/L	98
31) Carbon tetrachloride	4.735	117	238907	52.059	ug/L	99
33) Benzene	5.008	78	663822	49.009	ug/L	100
34) Trichloroethene	5.831	95	173971	47.592	ug/L	98
35) Methylcyclohexane	6.050	83	239572	43.396	ug/L	99
37) 1,2-Dichloropropane	6.092	63	194003	51.828	ug/L	98
38) Bromodichloromethane	6.429	83	256240	53.056	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	291374	49.413	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	480453	100.531	ug/L	97
42) Toluene	7.313	91	719359	50.729	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	280901	51.852	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	199212	56.464	ug/L	99
46) Tetrachloroethene	7.902	164	134351	52.608	ug/L	96
48) 2-Hexanone	8.072	43	403864	99.359	ug/L	96
49) Dibromochloromethane	8.175	129	194675	55.712	ug/L	98
50) 1,2-Dibromoethane	8.278	107	204529	53.846	ug/L	98
51) Chlorobenzene	8.812	112	503344	54.766	ug/L	98
52) Ethylbenzene	8.944	91	800132	50.911	ug/L	99
53) m,p-Xylene	9.069	106	299277	51.709	ug/L	99
54) o-Xylene	9.477	106	297945	52.028	ug/L	98
55) Styrene	9.493	104	542766	56.087	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	333504	58.342	ug/L	98
59) Bromoform	9.664	173	146226	55.129	ug/L	98
60) Isopropylbenzene	9.866	105	822180	49.274	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	251620	50.169	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	530547	48.958	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	663229	49.501	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	413162	52.985	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	431118	54.368	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	431159	55.505	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	66790	48.336	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	305083	54.287	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	284180	55.050	ug/L	99
71) Naphthalene	13.435	128	605798	42.298	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	278357	54.703	ug/L	99

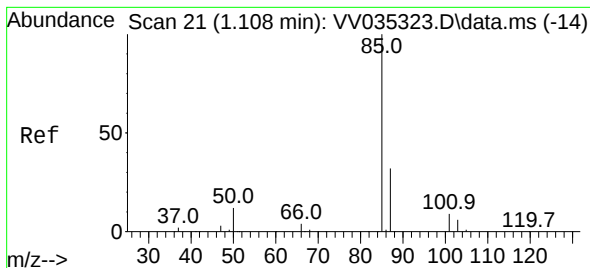
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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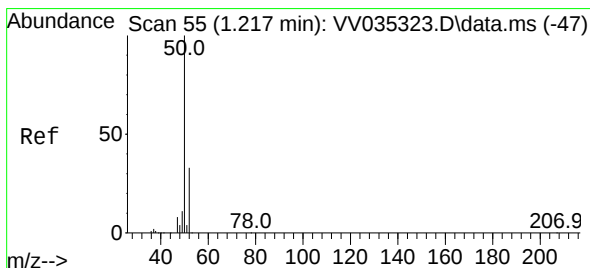
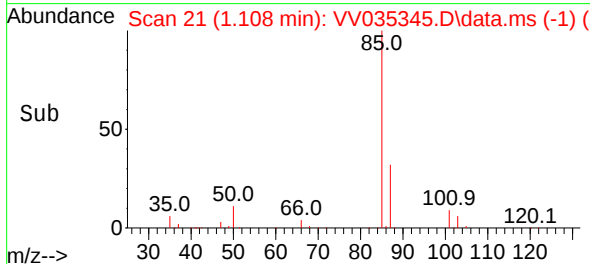
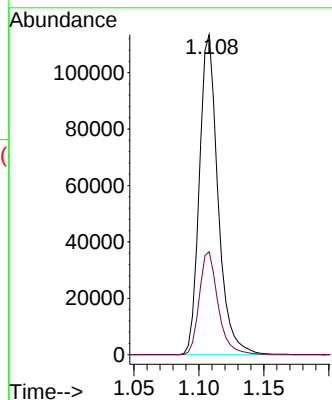
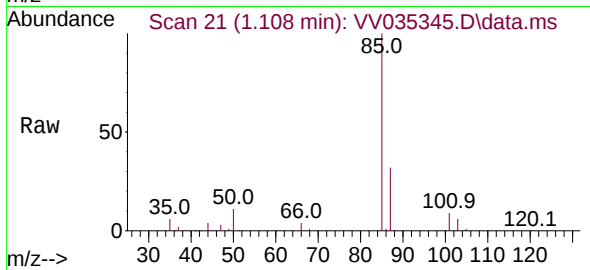




#2
 Dichlorodifluoromethane
 Concen: 37.816 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

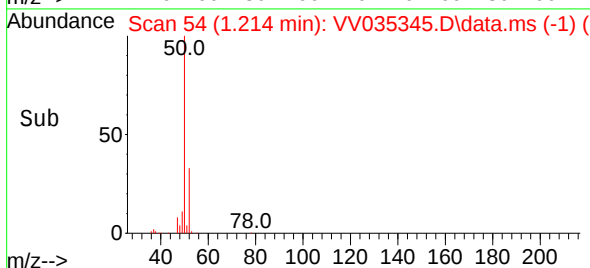
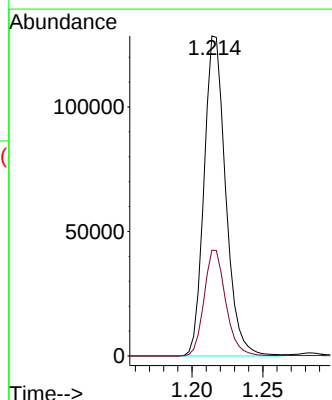
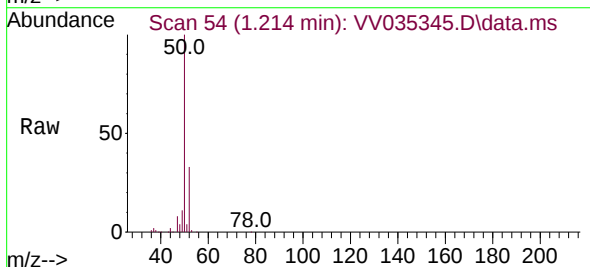
Instrument :
 MSVOA_V
 ClientSampleId :

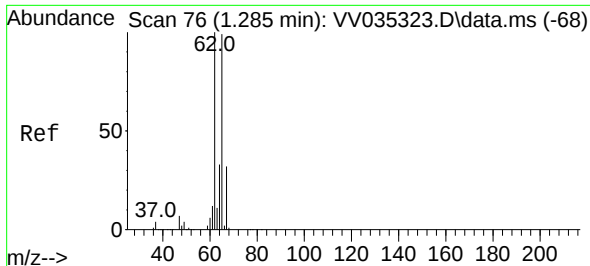
Tgt Ion: 85 Resp: 113312
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.7 38.5



#3
 Chloromethane
 Concen: 35.426 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

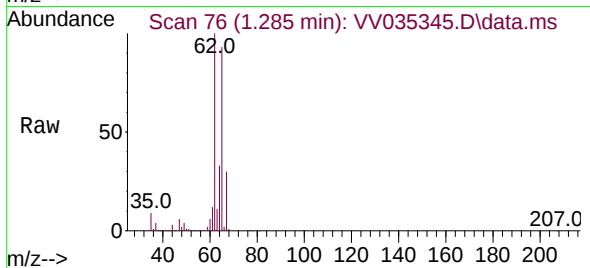
Tgt Ion: 50 Resp: 136466
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.8



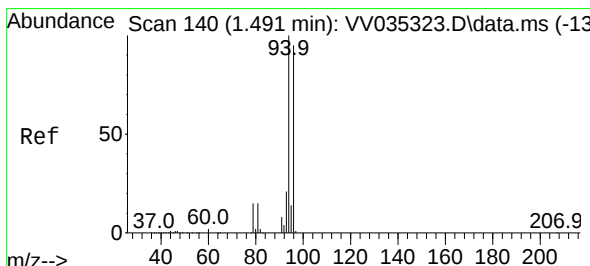
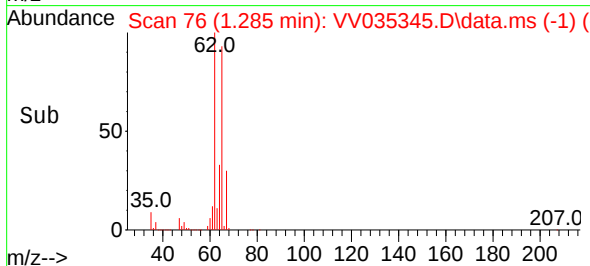
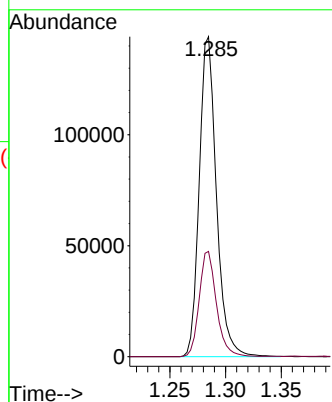


#5
 Vinyl chloride
 Concen: 38.333 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

Instrument :
 MSVOA_V
 ClientSampleId :

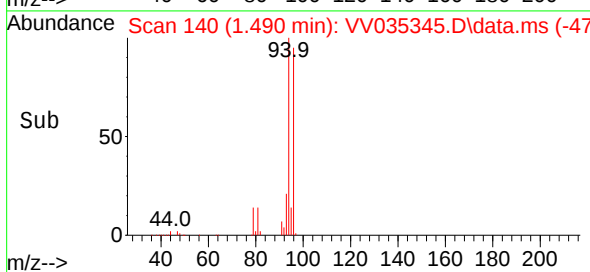
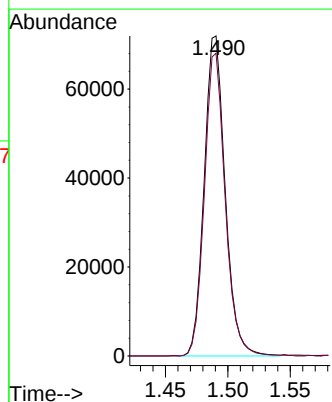
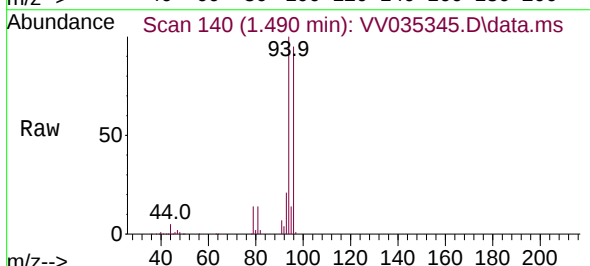


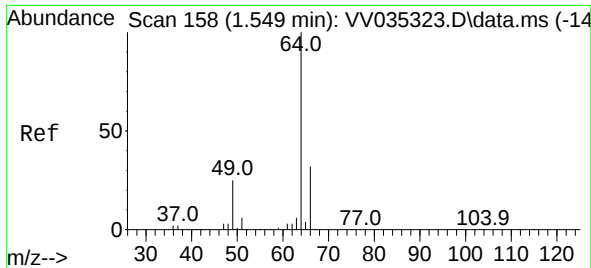
Tgt Ion: 62 Resp: 154800
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.6 43.8



#6
 Bromomethane
 Concen: 27.874 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

Tgt Ion: 94 Resp: 84378
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.3 123.1

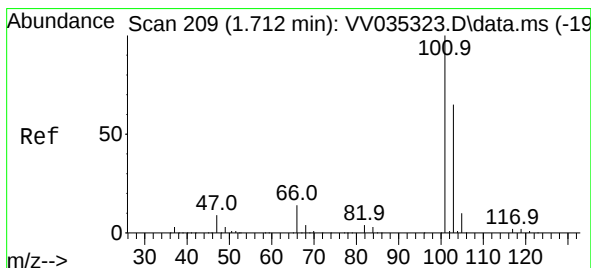
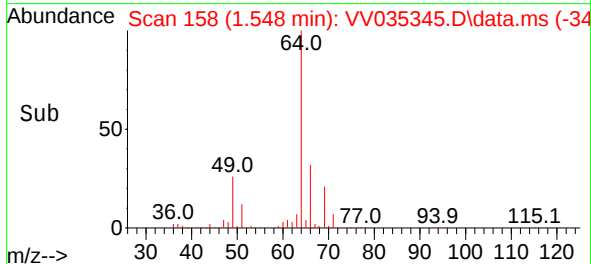
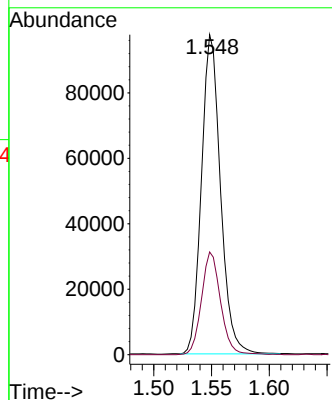
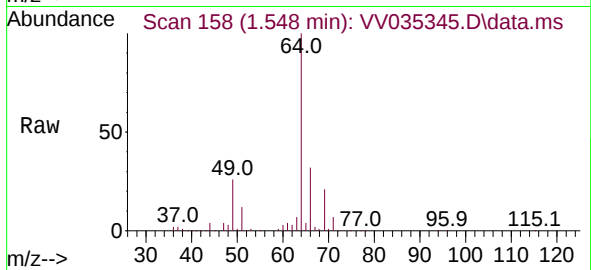




#8
Chloroethane
Concen: 40.602 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

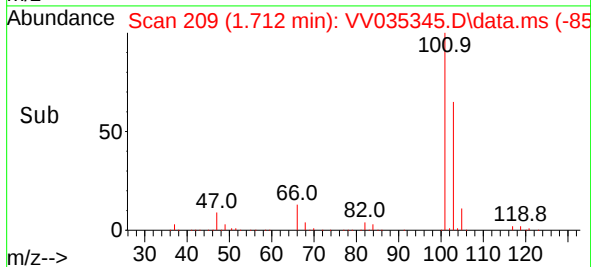
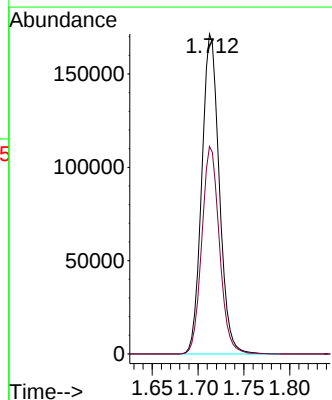
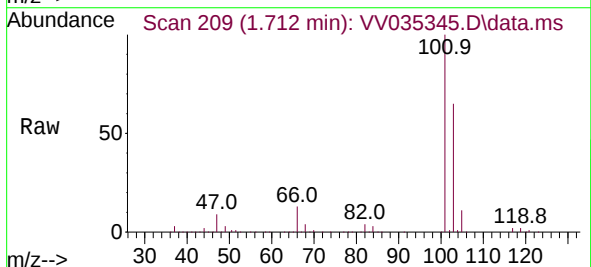
Instrument :
MSVOA_V
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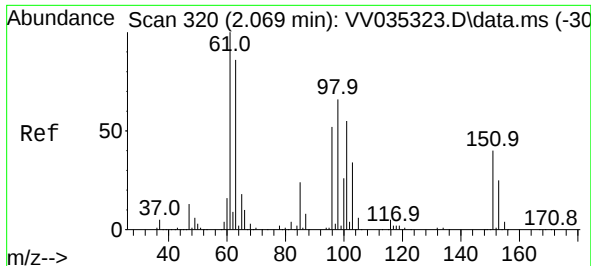
Tgt Ion: 64 Resp: 111982
Ion Ratio Lower Upper
64 100
66 32.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 42.963 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion:101 Resp: 227718
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4





#10

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

Concen: 46.755 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

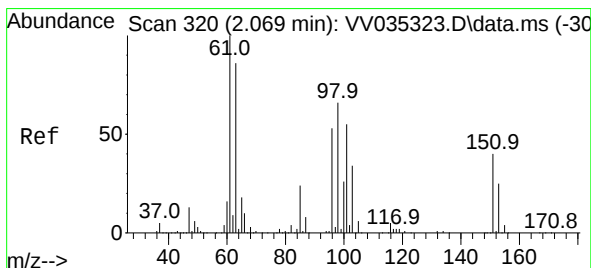
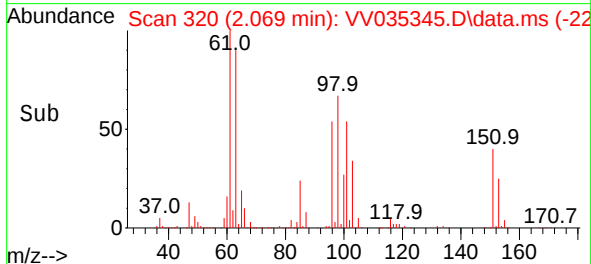
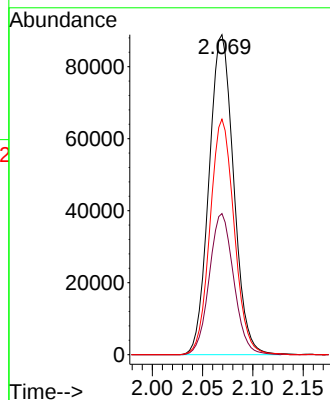
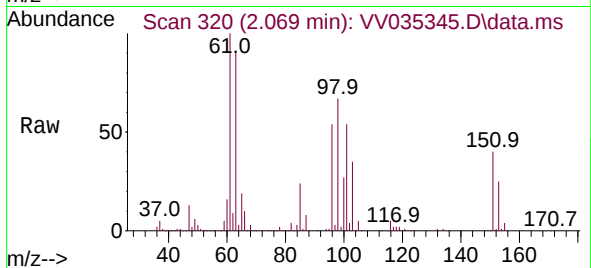
Tgt Ion:101 Resp: 151680

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

151 72.3 55.0 82.4



#12

1,1-Dichloroethene

Concen: 41.706 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

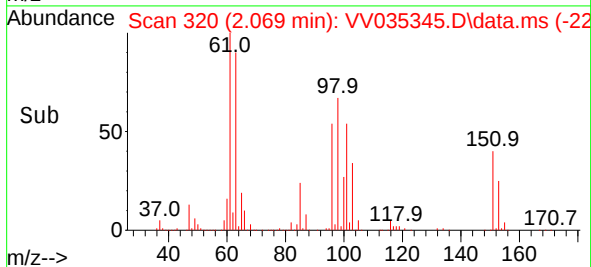
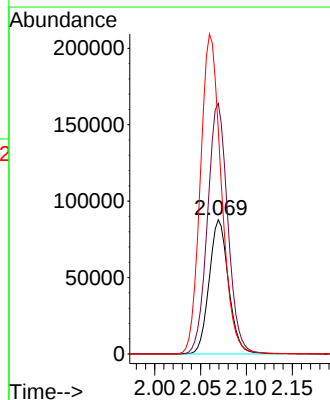
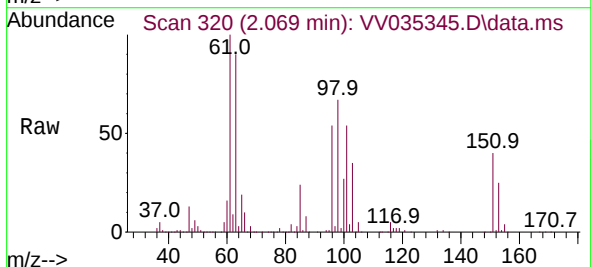
Tgt Ion: 96 Resp: 129403

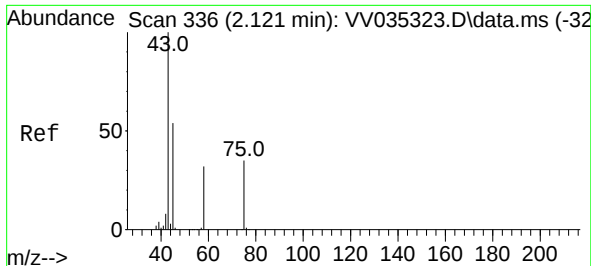
Ion Ratio Lower Upper

96 100

61 186.6 131.5 244.3

63 167.1 111.4 206.8





#13

Acetone

Concen: 80.224 ug/L

RT: 2.124 min Scan# 336

Delta R.T. 0.003 min

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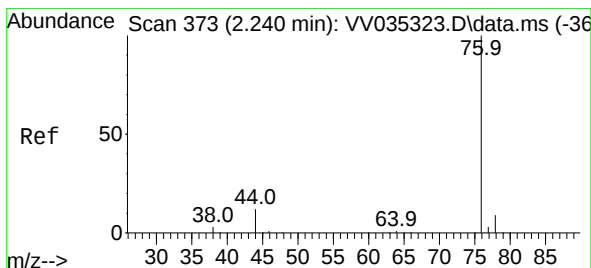
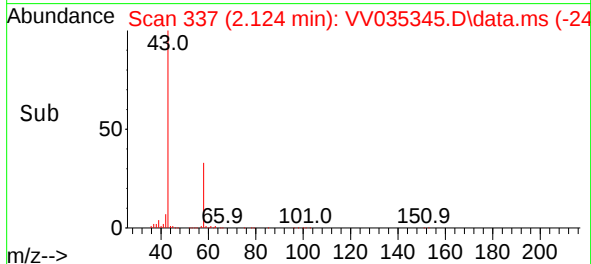
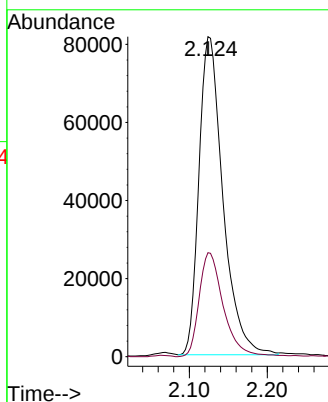
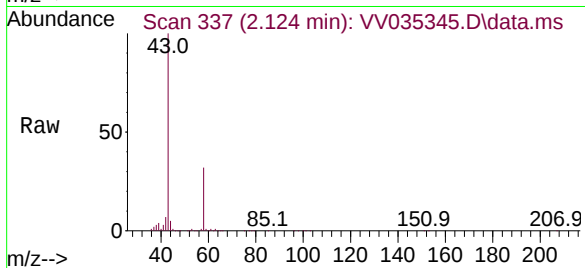
ClientSampleId :

Tgt Ion: 43 Resp: 174404

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.0



#14

Carbon disulfide

Concen: 34.021 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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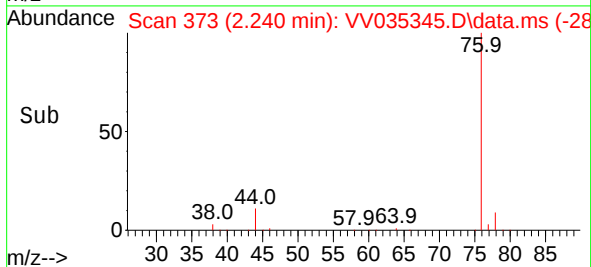
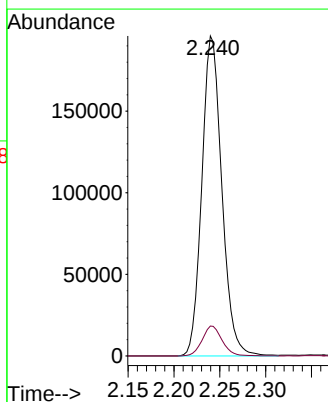
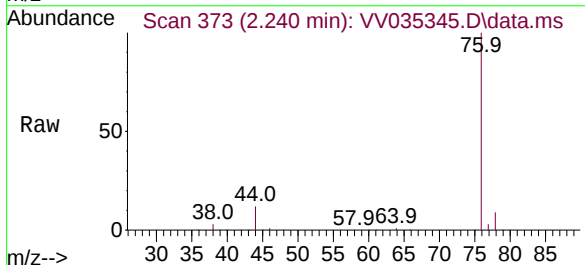
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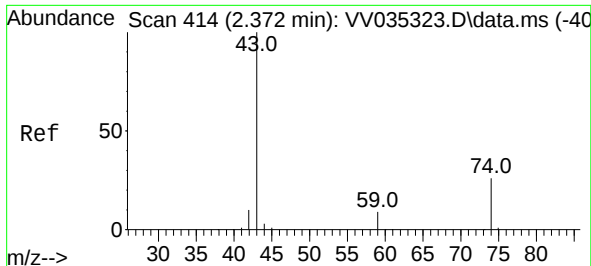
Tgt Ion: 76 Resp: 297263

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 53.894 ug/L

RT: 2.375 min Scan# 414

Delta R.T. 0.003 min

Lab File: VV035345.D

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Instrument :

MSVOA_V

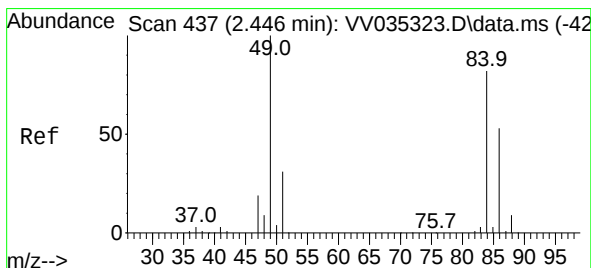
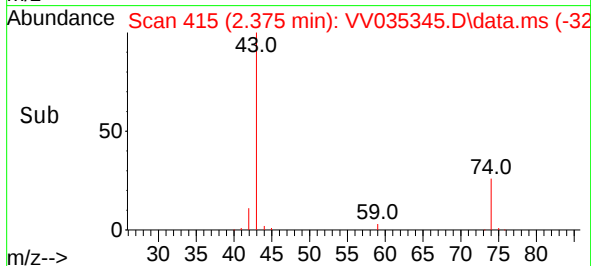
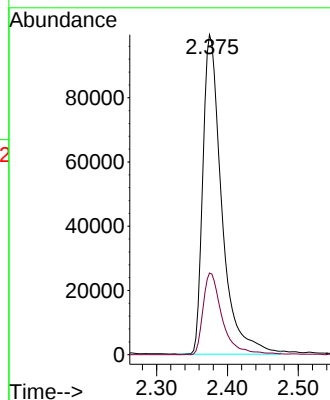
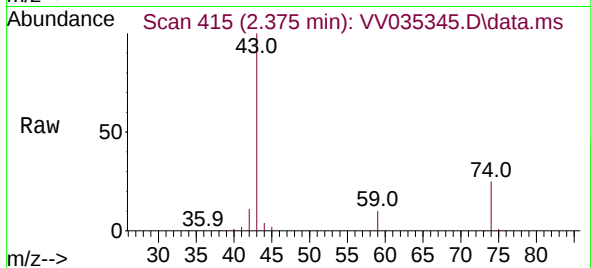
ClientSampleId :

Tgt Ion: 43 Resp: 184633

Ion Ratio Lower Upper

43 100

74 25.7 19.8 29.8



#16

Methylene chloride

Concen: 52.309 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

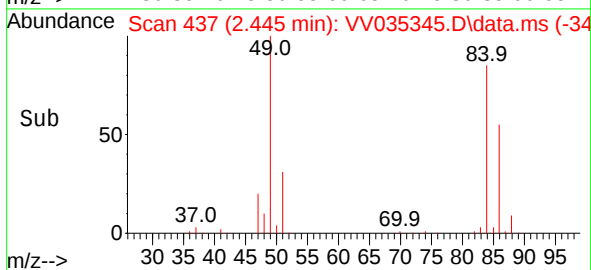
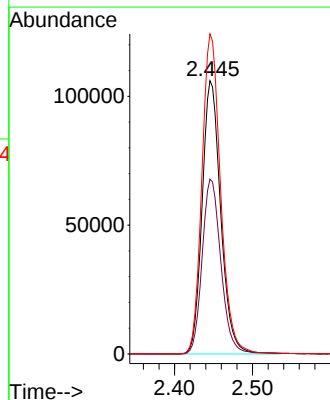
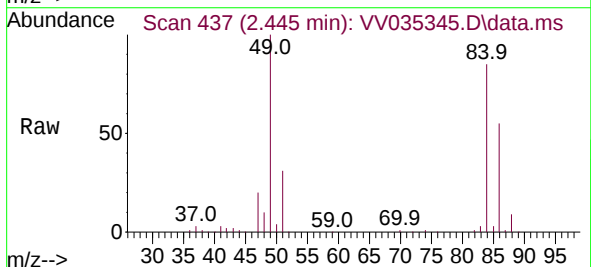
Tgt Ion: 84 Resp: 175860

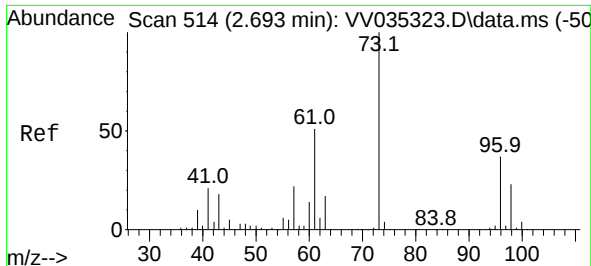
Ion Ratio Lower Upper

84 100

86 64.0 44.6 82.8

49 117.1 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 47.787 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

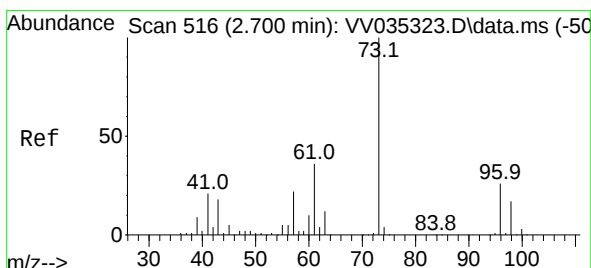
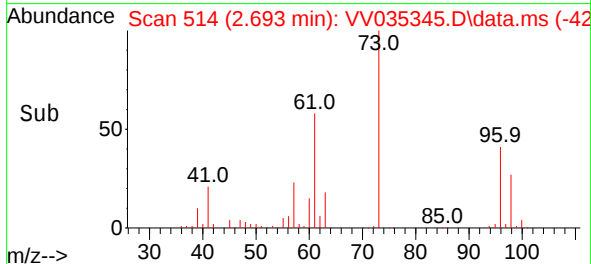
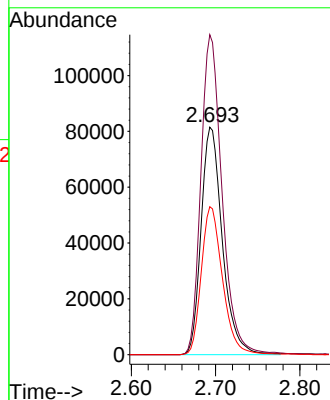
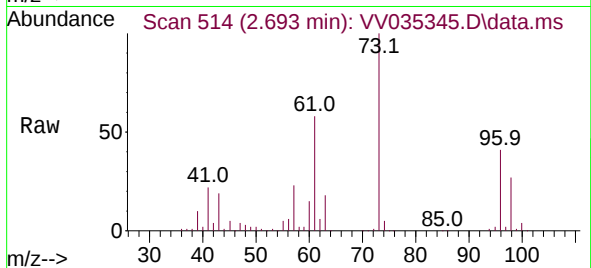
Tgt Ion: 96 Resp: 143351

Ion Ratio Lower Upper

96 100

61 140.6 99.0 183.8

98 65.1 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 51.584 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

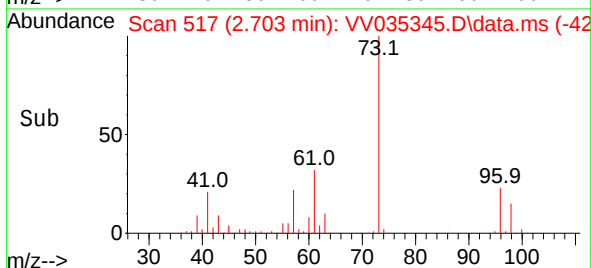
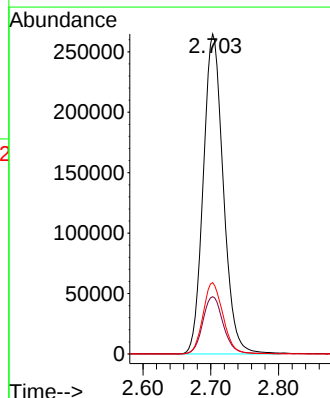
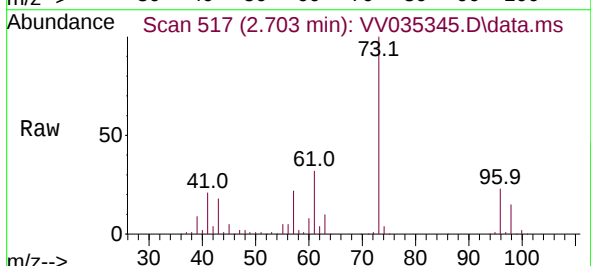
Tgt Ion: 73 Resp: 543515

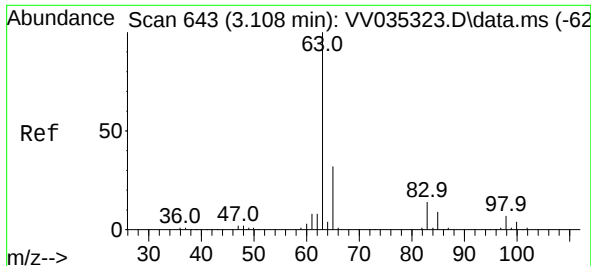
Ion Ratio Lower Upper

73 100

43 18.1 14.6 21.8

57 22.2 17.6 26.4





#19

1,1-Dichloroethane

Concen: 53.328 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

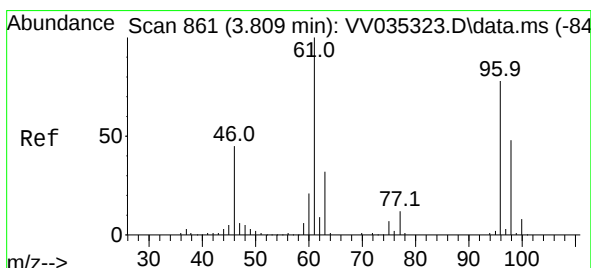
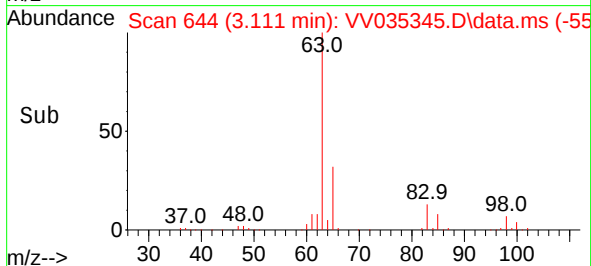
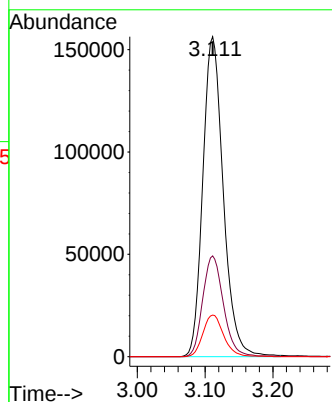
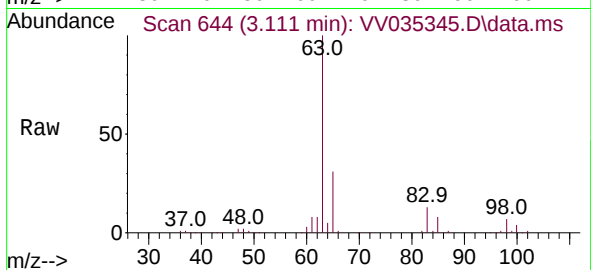
Tgt Ion: 63 Resp: 328053

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.6

83 13.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 52.416 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

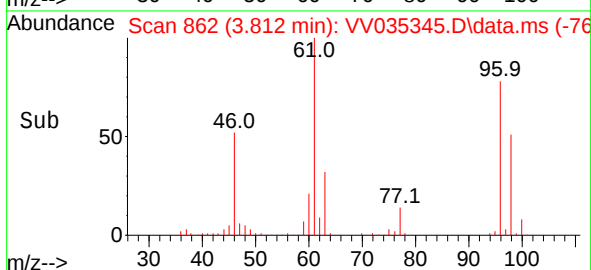
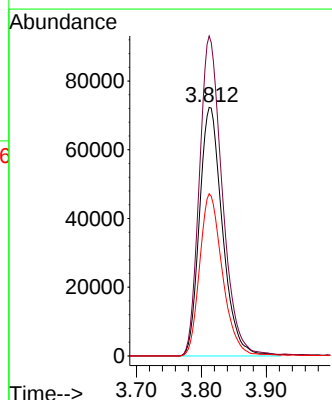
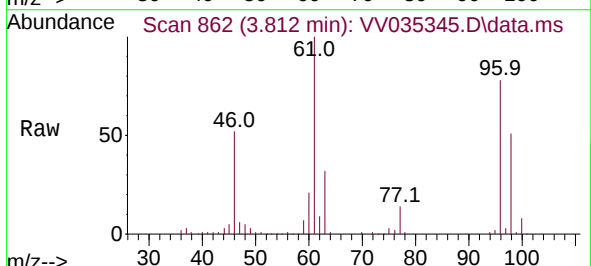
Tgt Ion: 96 Resp: 178550

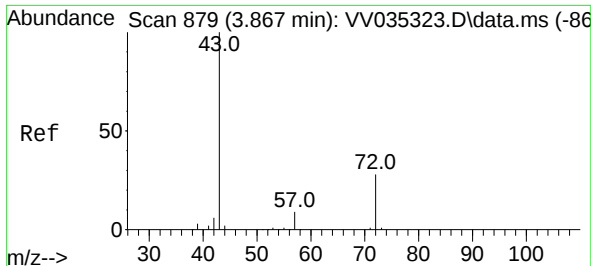
Ion Ratio Lower Upper

96 100

61 128.7 94.9 176.3

98 65.2 45.6 84.8

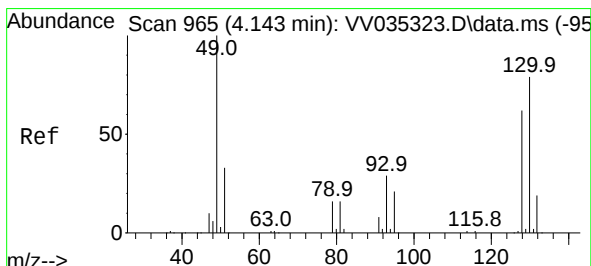
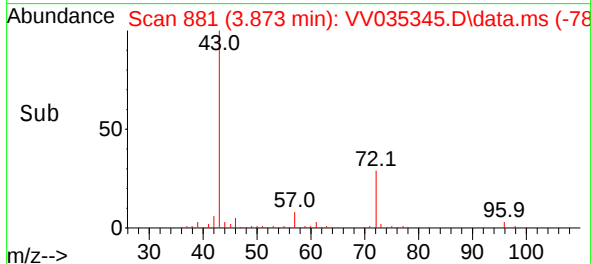
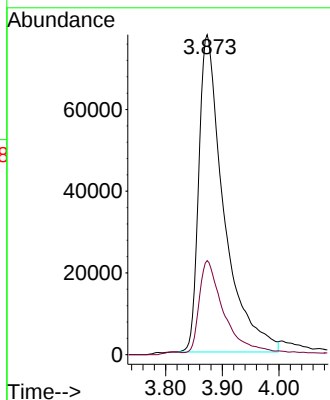
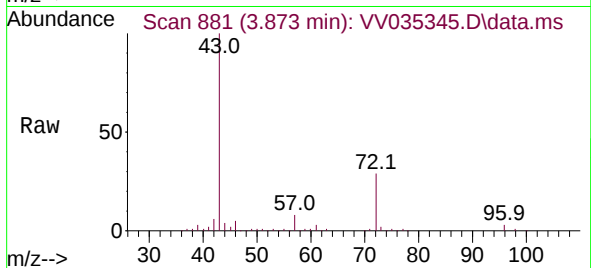




#22
2-Butanone
Concen: 94.570 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.006 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

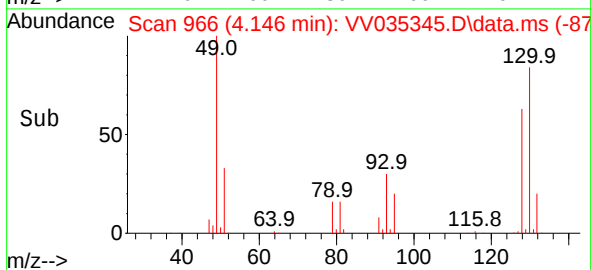
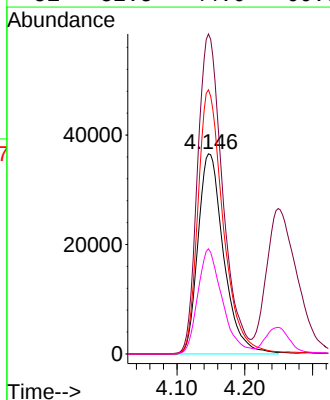
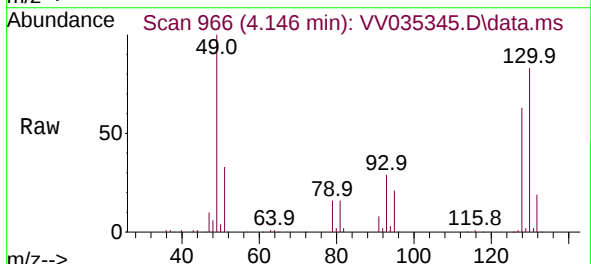
Instrument :
MSVOA_V
ClientSampleId :

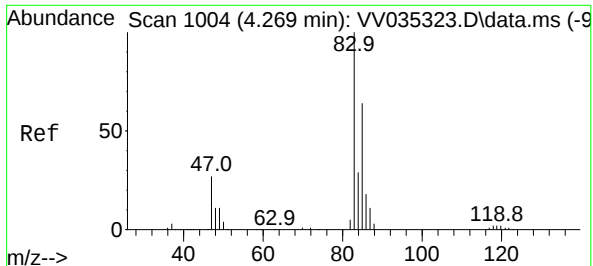
Tgt Ion: 43 Resp: 238568
Ion Ratio Lower Upper
43 100
72 28.3 13.2 39.6



#23
Bromochloromethane
Concen: 56.309 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion:128 Resp: 95967
Ion Ratio Lower Upper
128 100
49 159.9 123.8 229.8
130 132.0 93.2 173.0
51 52.5 44.0 66.0





#25

Chloroform

Concen: 56.093 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

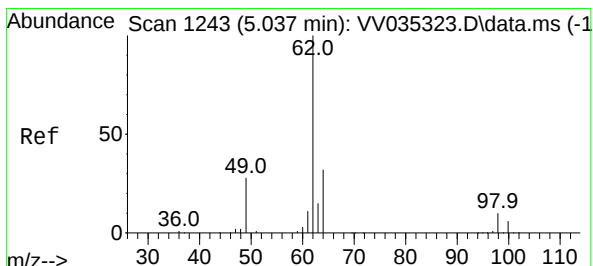
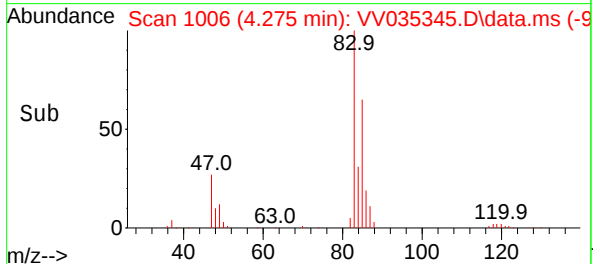
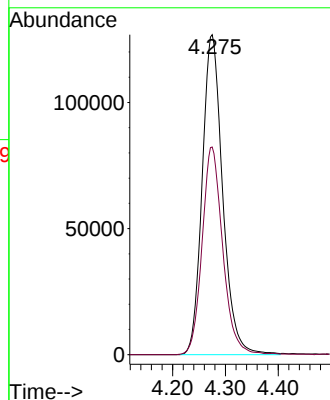
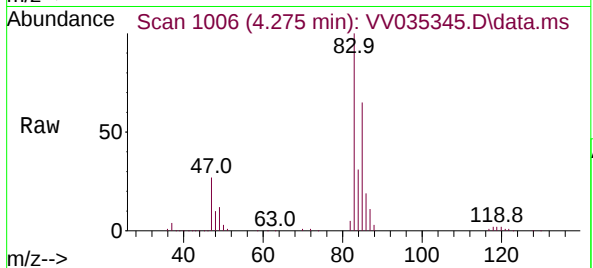
ClientSampleId :

Tgt Ion: 83 Resp: 341157

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 52.614 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV035345.D

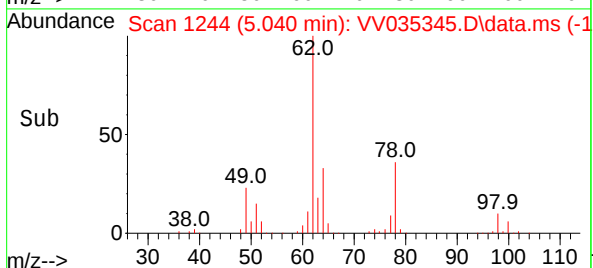
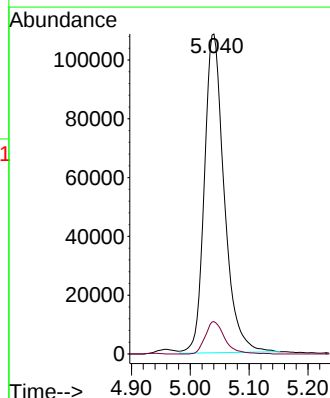
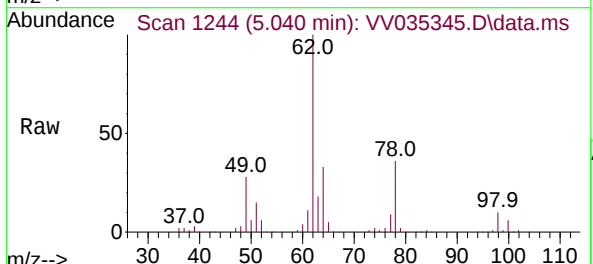
Acq: 22 Apr 2024 19:53

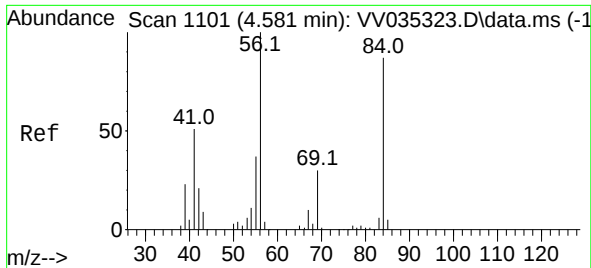
Tgt Ion: 62 Resp: 254781

Ion Ratio Lower Upper

62 100

98 10.1 7.2 10.8





#29

Cyclohexane

Concen: 40.645 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

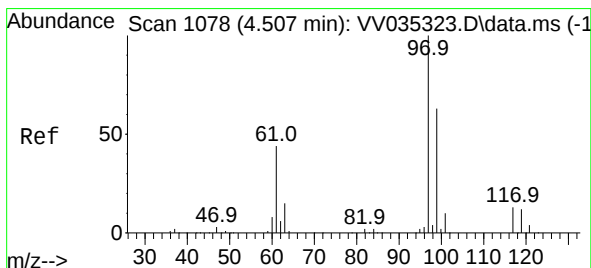
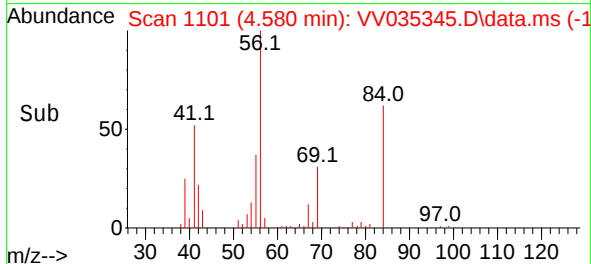
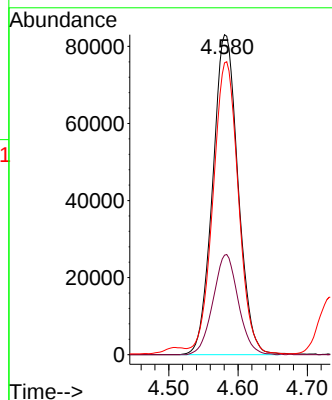
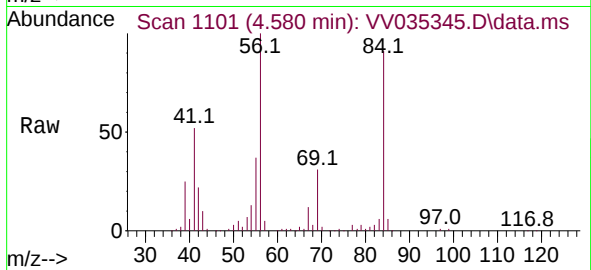
Tgt Ion: 56 Resp: 211457

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.2

84 91.0 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 51.552 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

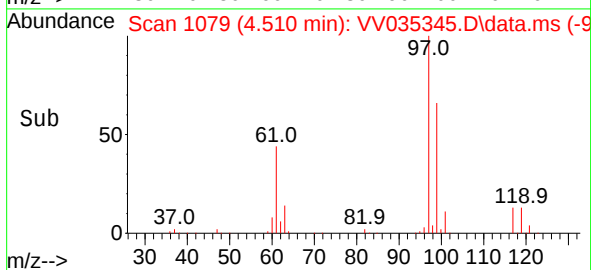
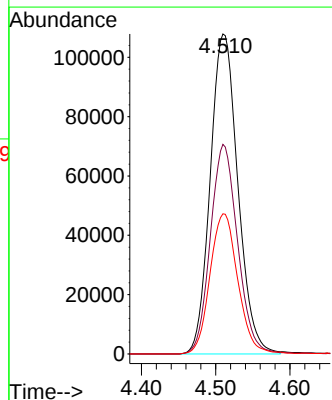
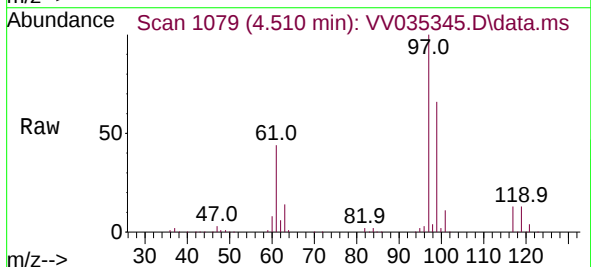
Tgt Ion: 97 Resp: 279128

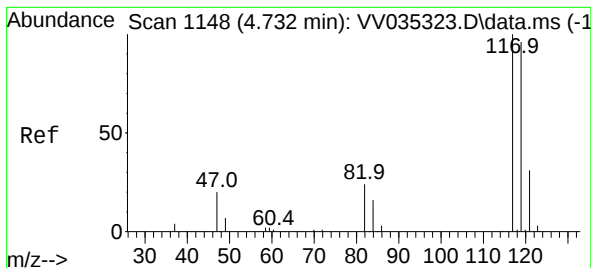
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 44.0 36.8 55.2





#31

Carbon tetrachloride

Concen: 52.059 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

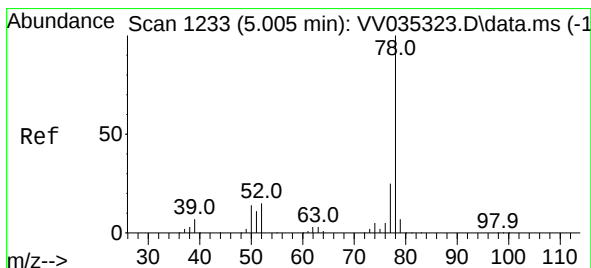
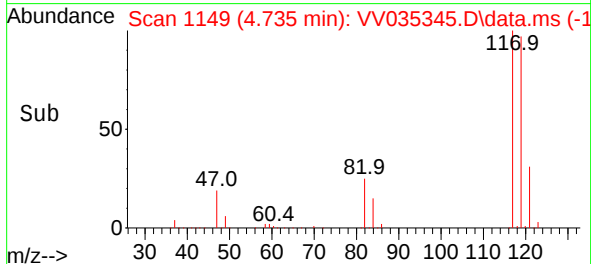
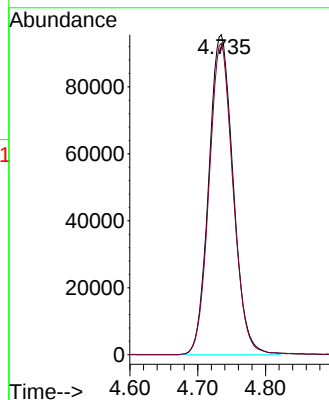
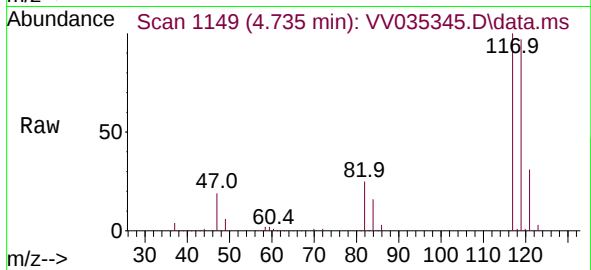
ClientSampleId :

Tgt Ion:117 Resp: 238907

Ion Ratio Lower Upper

117 100

119 95.5 77.1 115.7



#33

Benzene

Concen: 49.009 ug/L

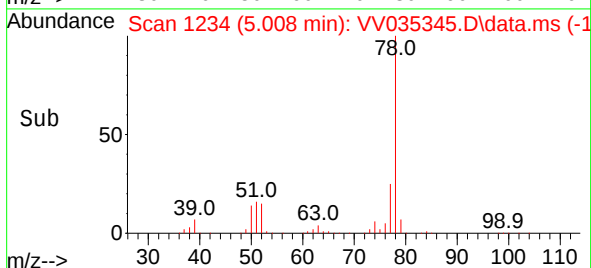
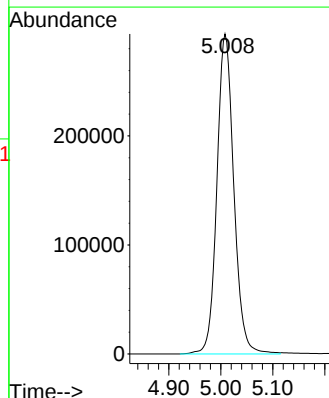
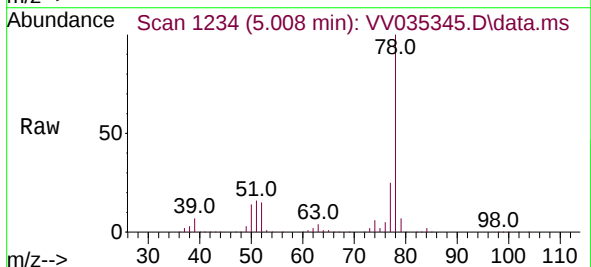
RT: 5.008 min Scan# 1234

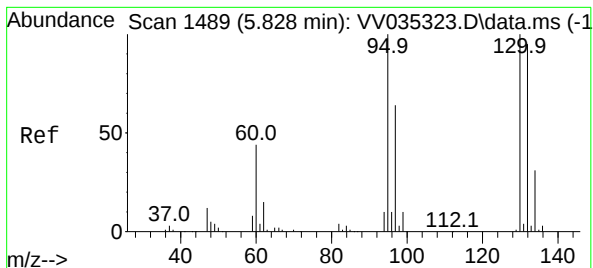
Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Tgt Ion: 78 Resp: 663822





#34

Trichloroethene

Concen: 47.592 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 173971

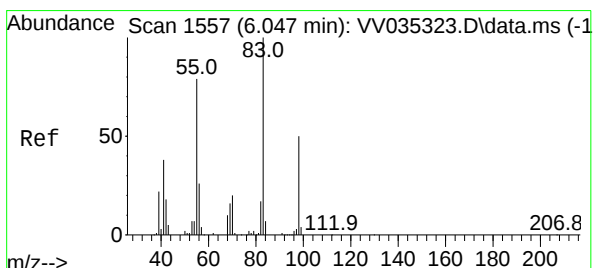
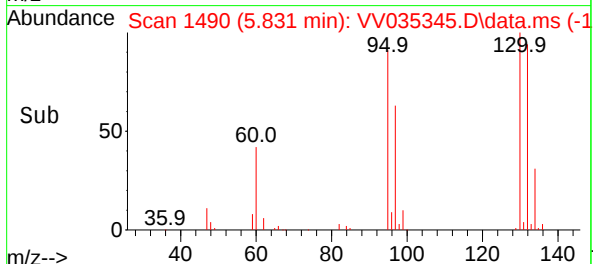
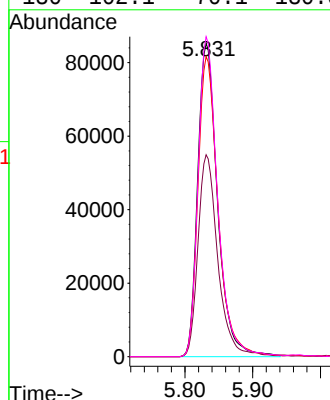
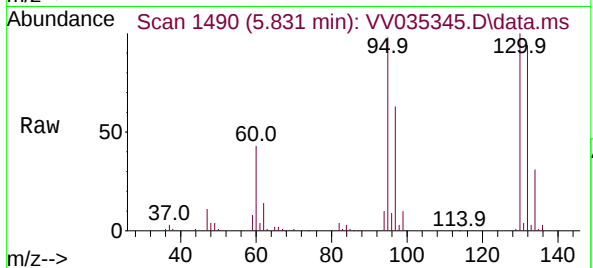
Ion Ratio Lower Upper

95 100

97 64.4 45.3 84.1

132 95.8 65.3 121.3

130 102.1 70.1 130.3



#35

Methylcyclohexane

Concen: 43.396 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

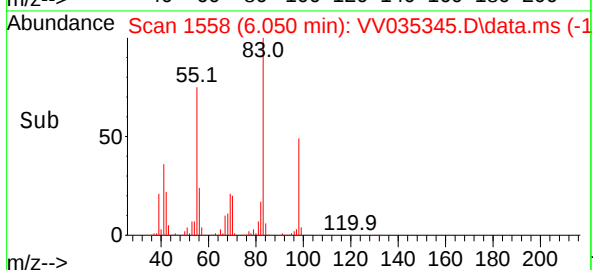
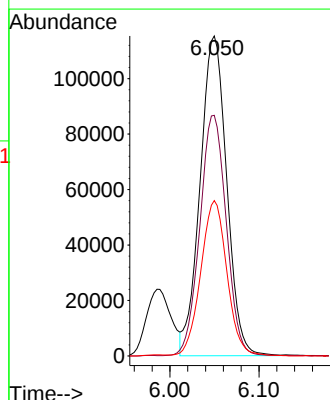
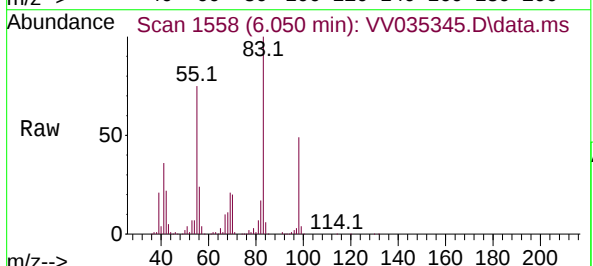
Tgt Ion: 83 Resp: 239572

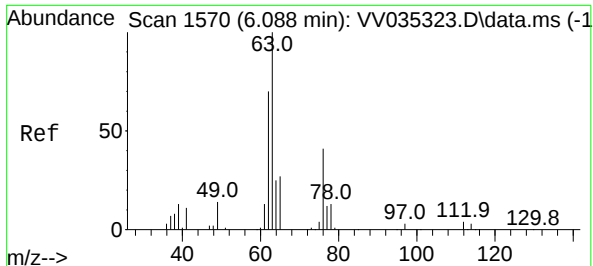
Ion Ratio Lower Upper

83 100

55 75.0 60.0 90.0

98 47.9 37.6 56.4

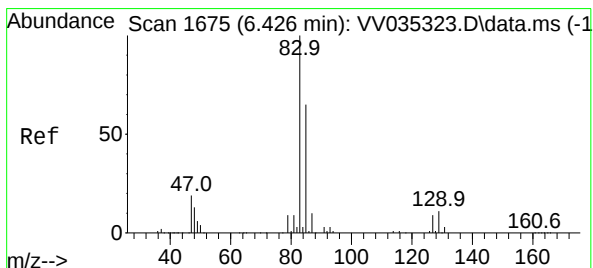
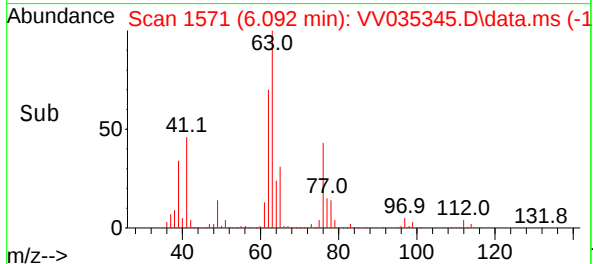
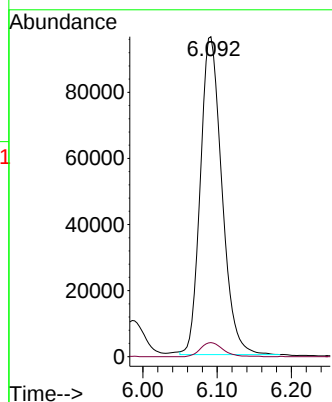
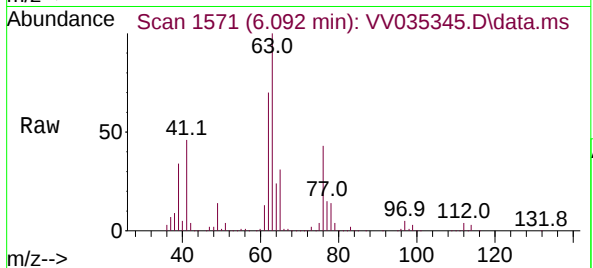




#37
1,2-Dichloropropane
Concen: 51.828 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

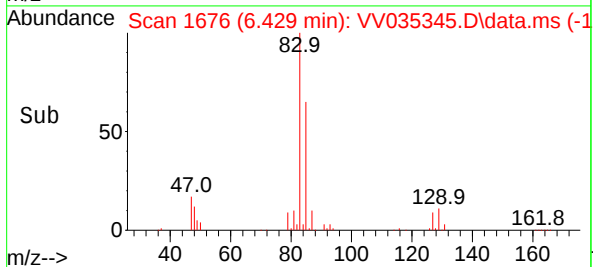
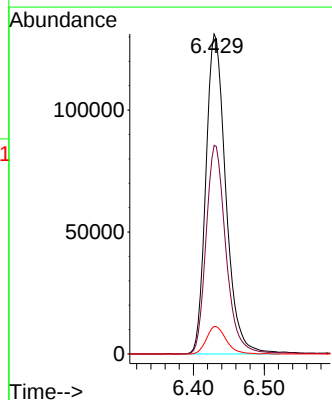
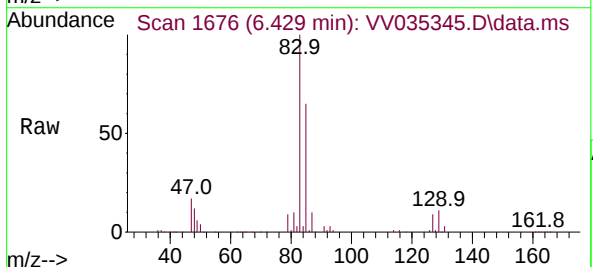
Instrument :
MSVOA_V
ClientSampleId :

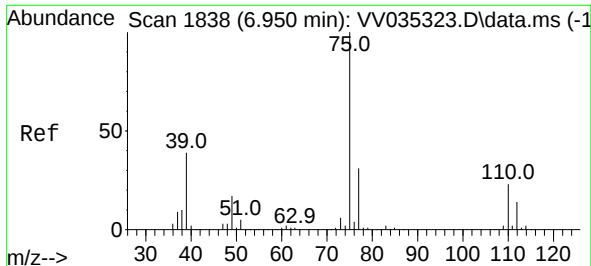
Tgt Ion: 63 Resp: 194003
Ion Ratio Lower Upper
63 100
112 4.6 3.3 4.9



#38
Bromodichloromethane
Concen: 53.056 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion: 83 Resp: 256240
Ion Ratio Lower Upper
83 100
85 65.2 43.7 81.1
127 8.6 6.4 9.6

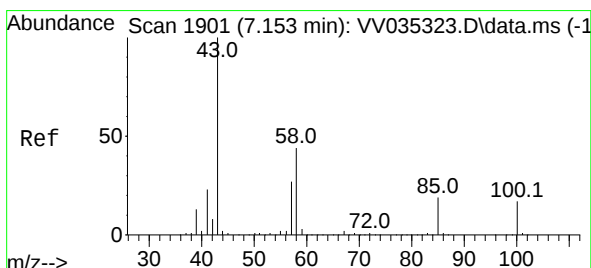
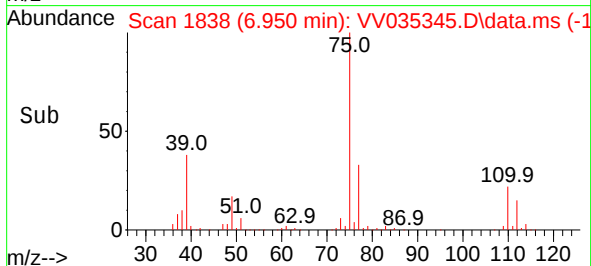
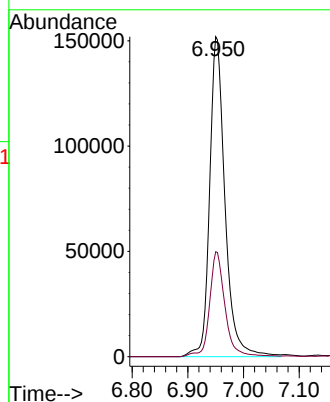
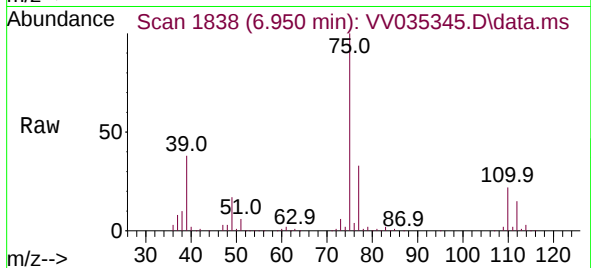




#39
 cis-1,3-Dichloropropene
 Concen: 49.413 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

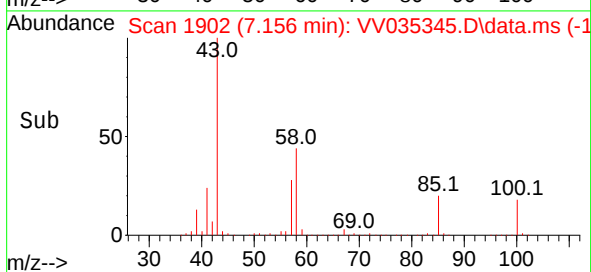
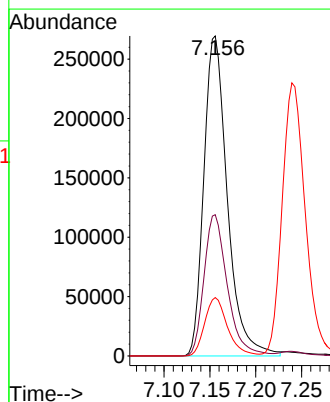
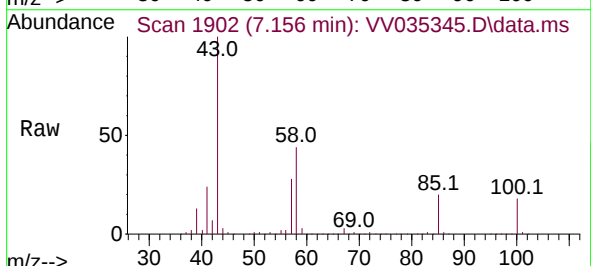
Instrument :
 MSVOA_V
 ClientSampleId :

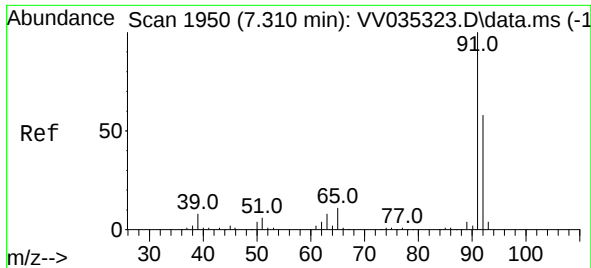
Tgt Ion: 75 Resp: 291374
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 100.531 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV035345.D
 Acq: 22 Apr 2024 19:53

Tgt Ion: 43 Resp: 480453
 Ion Ratio Lower Upper
 43 100
 58 43.9 33.8 50.8
 100 17.7 13.0 19.4





#42

Toluene

Concen: 50.729 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

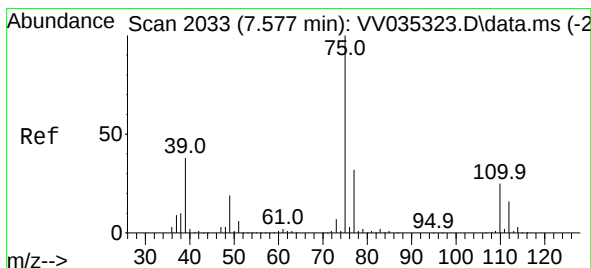
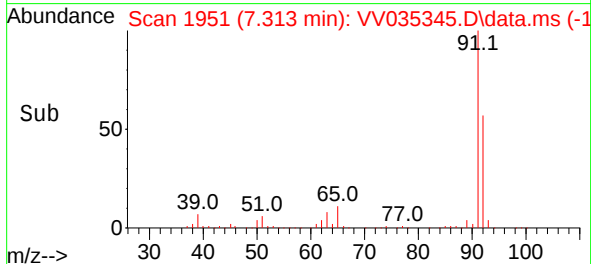
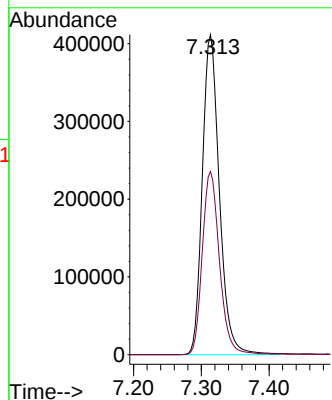
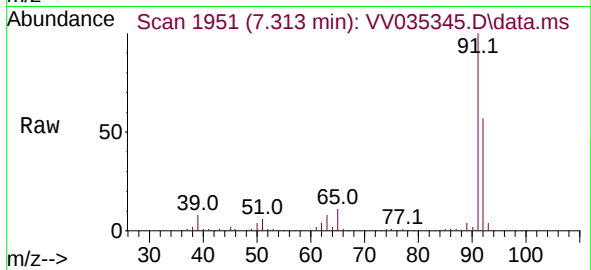
ClientSampleId :

Tgt Ion: 91 Resp: 719359

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 51.852 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035345.D

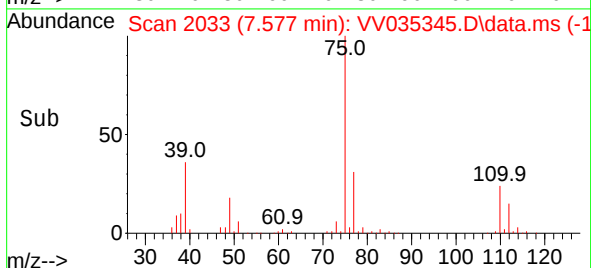
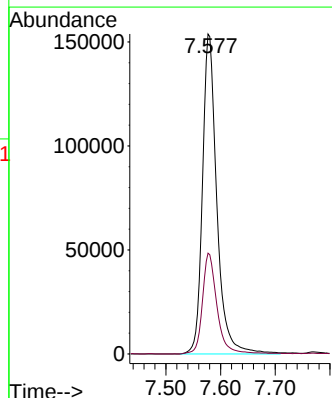
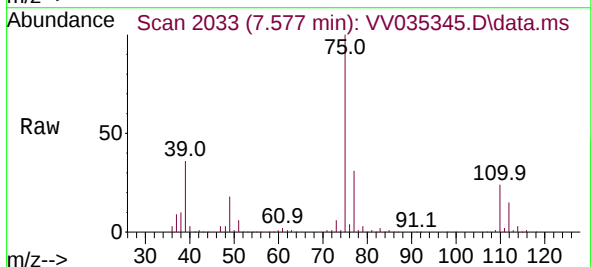
Acq: 22 Apr 2024 19:53

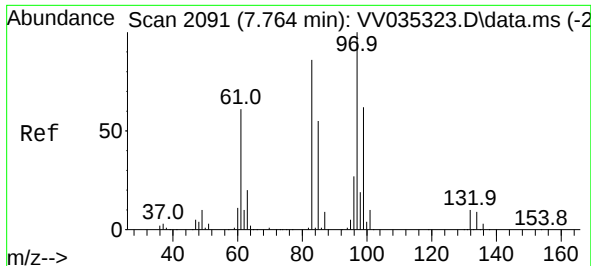
Tgt Ion: 75 Resp: 280901

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 56.464 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 199212

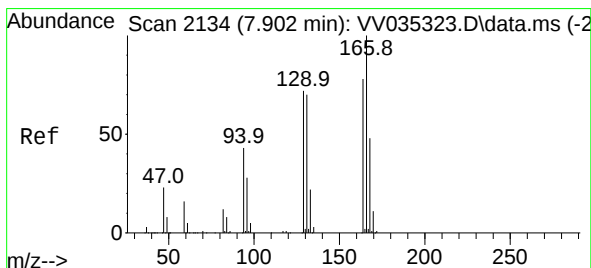
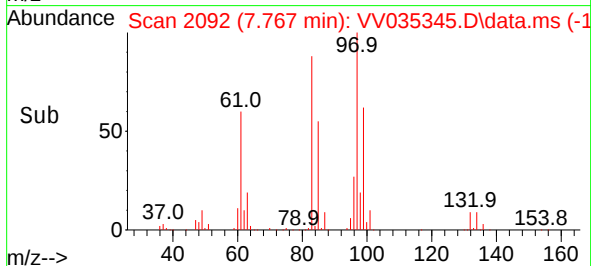
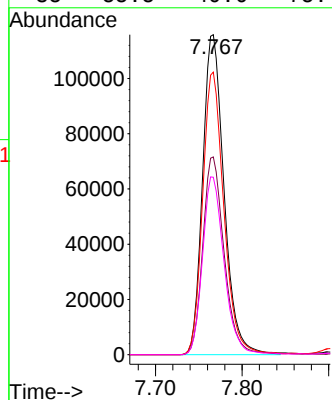
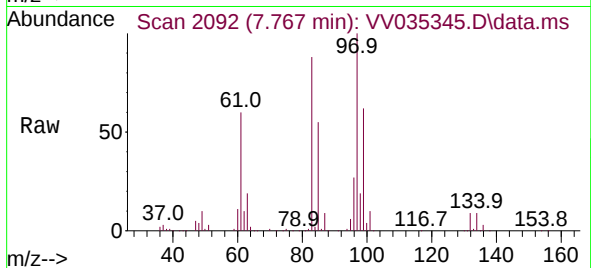
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 88.3 61.6 114.4

85 55.5 40.6 75.4



#46

Tetrachloroethene

Concen: 52.608 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Tgt Ion:164 Resp: 134351

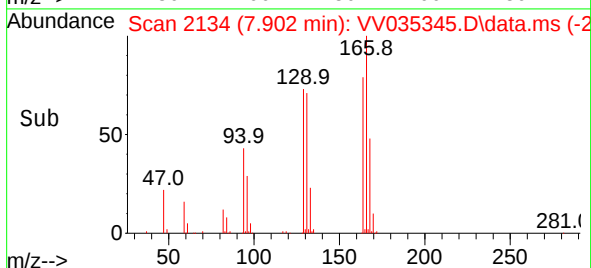
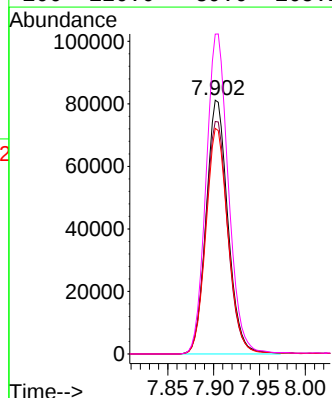
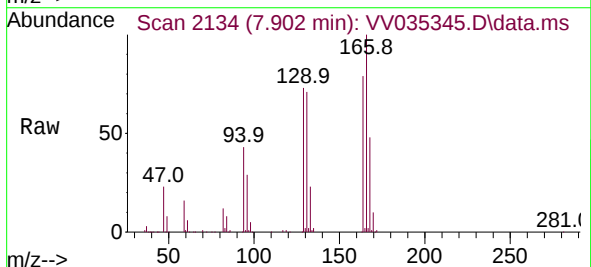
Ion Ratio Lower Upper

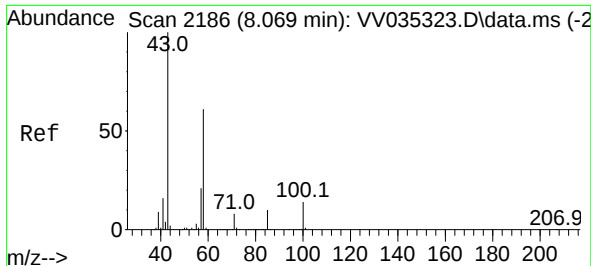
164 100

129 91.7 68.6 127.4

131 88.9 65.7 122.1

166 126.0 89.0 165.2





#48

2-Hexanone

Concen: 99.359 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 403864

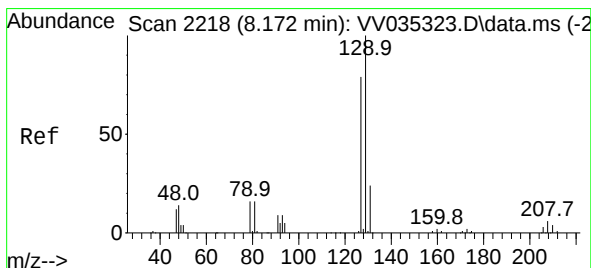
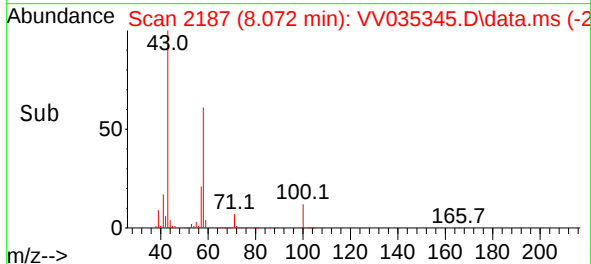
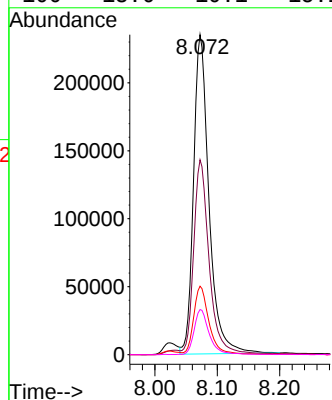
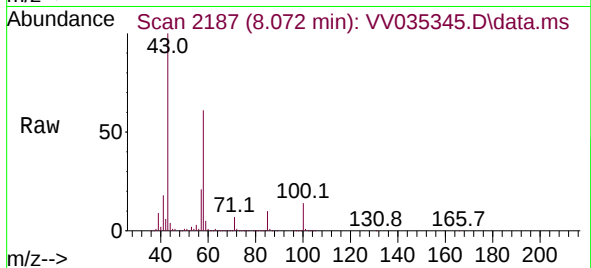
Ion Ratio Lower Upper

43 100

58 60.3 45.4 68.2

57 20.6 16.2 24.4

100 13.6 10.1 15.1



#49

Dibromochloromethane

Concen: 55.712 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV035345.D

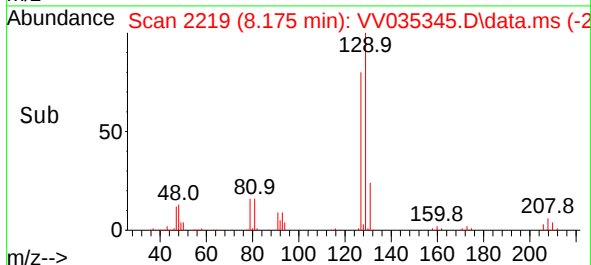
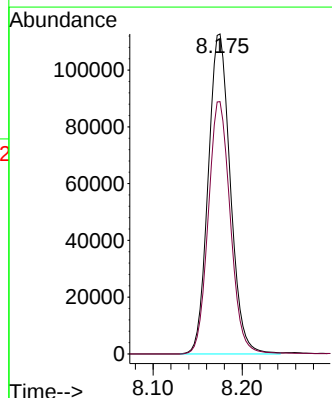
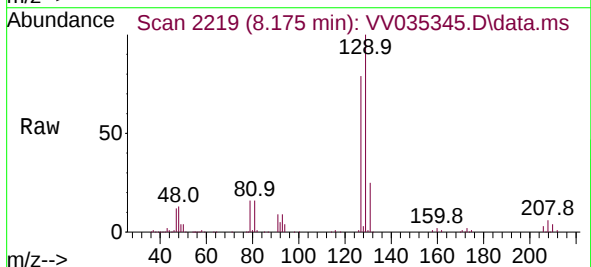
Acq: 22 Apr 2024 19:53

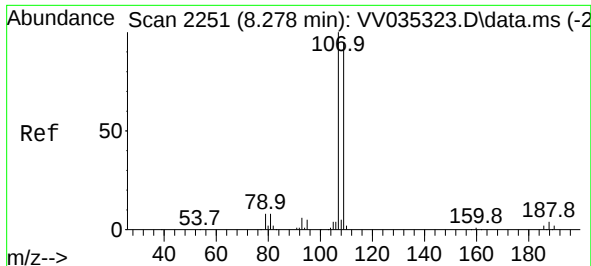
Tgt Ion:129 Resp: 194675

Ion Ratio Lower Upper

129 100

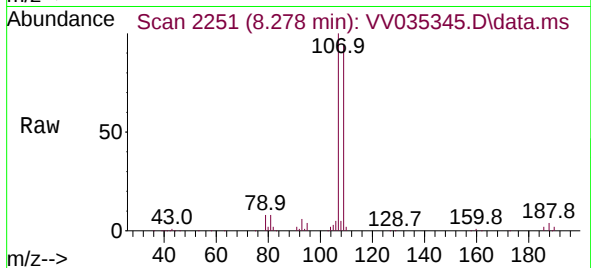
127 78.8 54.1 100.5



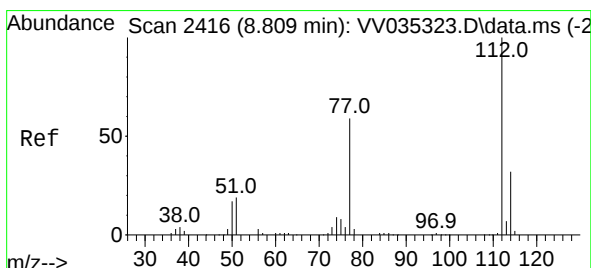
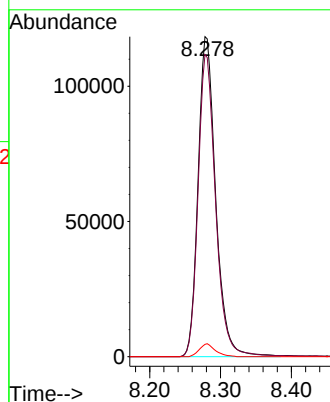
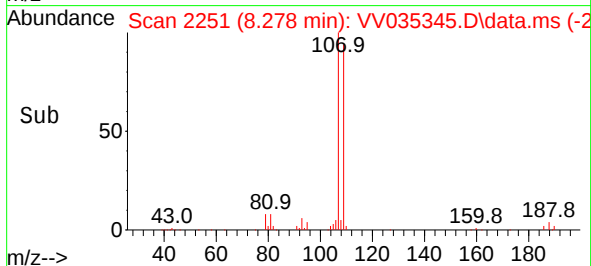


#50
1,2-Dibromoethane
Concen: 53.846 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

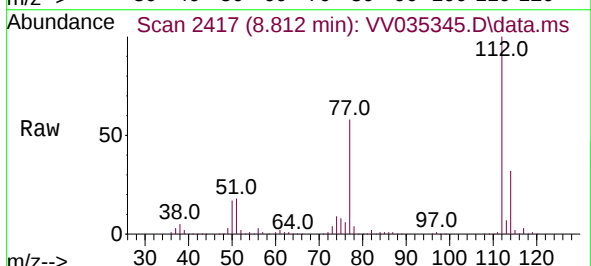
Instrument :
MSVOA_V
ClientSampleId :



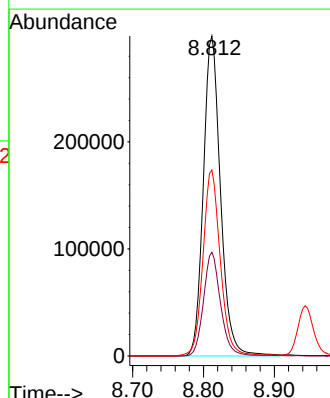
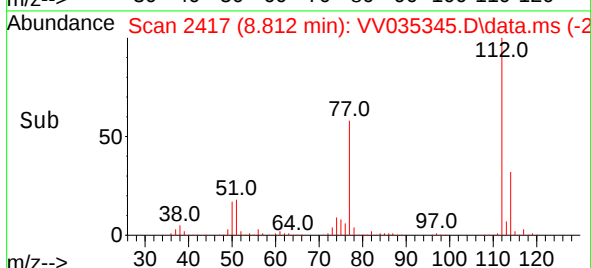
Tgt Ion:107 Resp: 204529
Ion Ratio Lower Upper
107 100
109 94.4 64.5 119.9
188 3.9 2.8 4.2

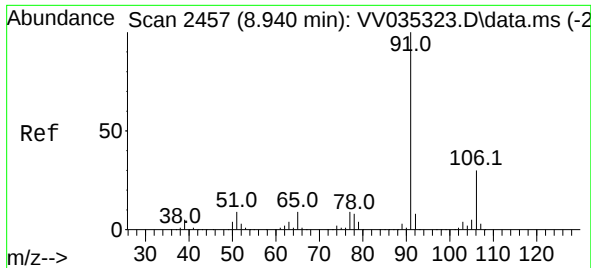


#51
Chlorobenzene
Concen: 54.766 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53



Tgt Ion:112 Resp: 503344
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 58.1 47.4 71.2

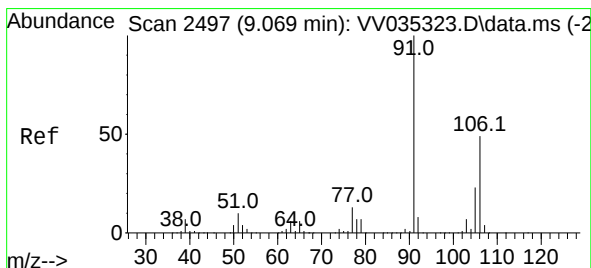
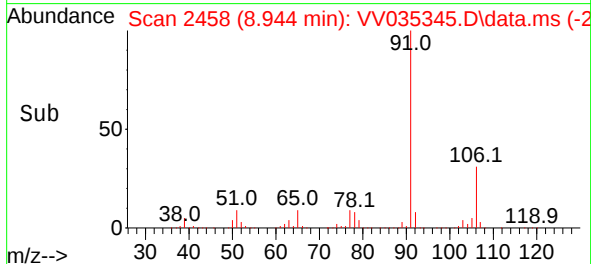
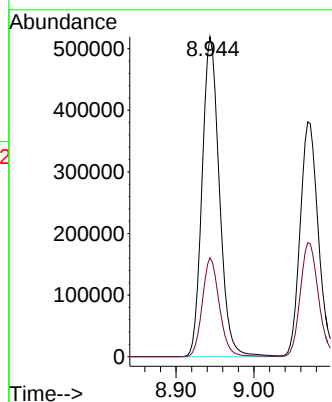
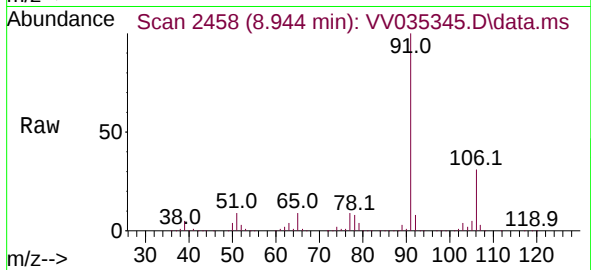




#52
Ethylbenzene
Concen: 50.911 ug/L
RT: 8.944 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

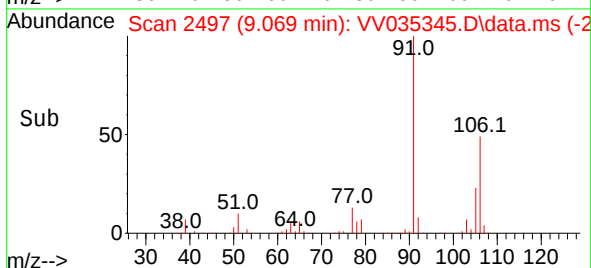
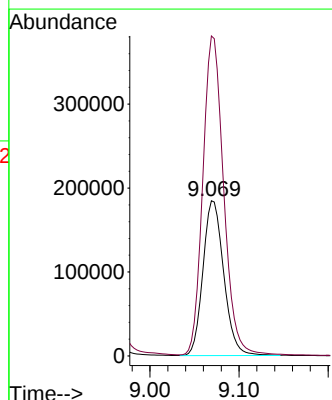
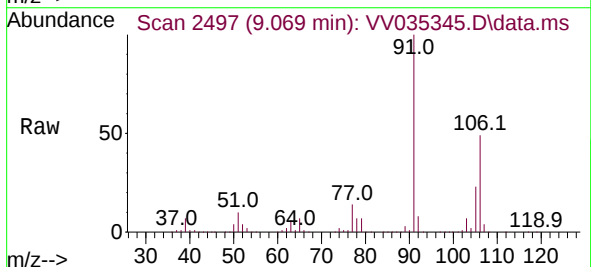
Instrument :
MSVOA_V
ClientSampleId :

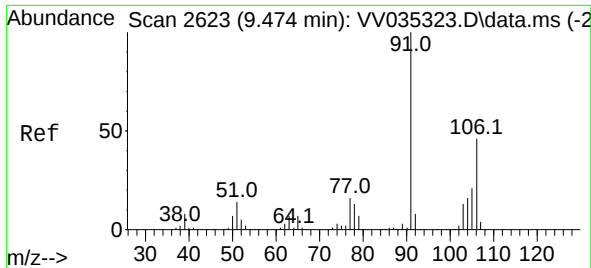
Tgt Ion: 91 Resp: 800132
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.5



#53
m,p-Xylene
Concen: 51.709 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion: 106 Resp: 299277
Ion Ratio Lower Upper
106 100
91 206.1 144.8 269.0

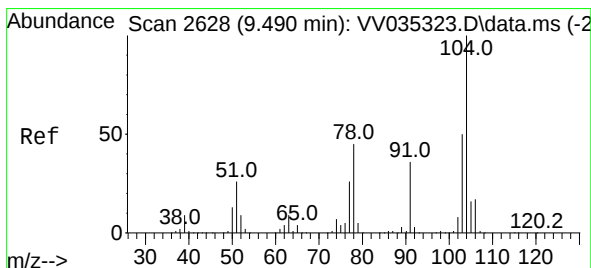
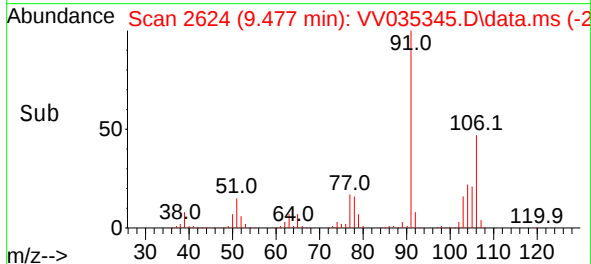
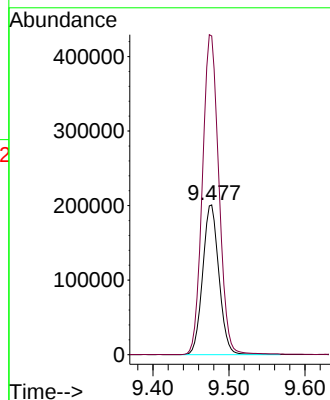
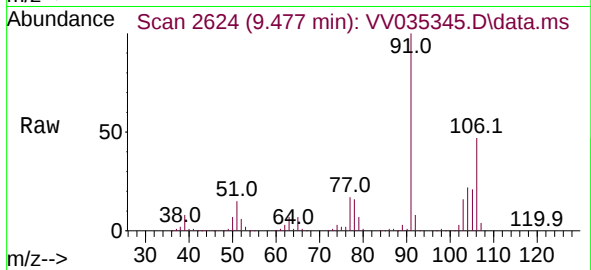




#54
o-Xylene
Concen: 52.028 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

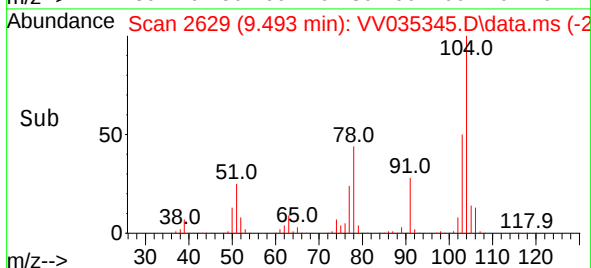
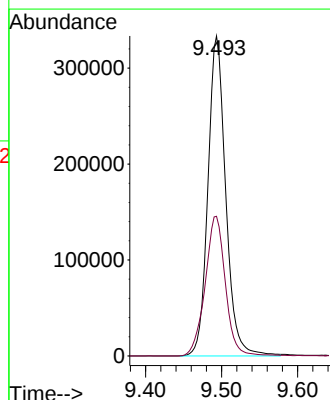
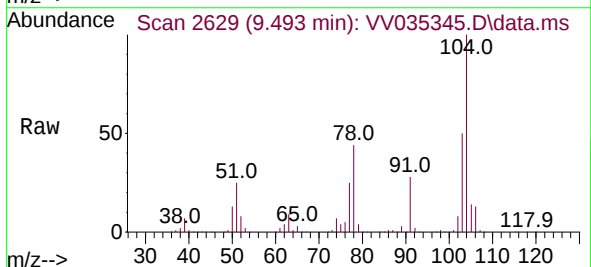
Instrument :
MSVOA_V
ClientSampleId :

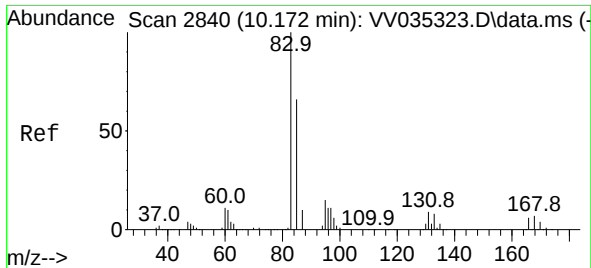
Tgt Ion:106 Resp: 297945
Ion Ratio Lower Upper
106 100
91 212.8 151.3 280.9



#55
Styrene
Concen: 56.087 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion:104 Resp: 542766
Ion Ratio Lower Upper
104 100
78 43.7 31.5 58.5

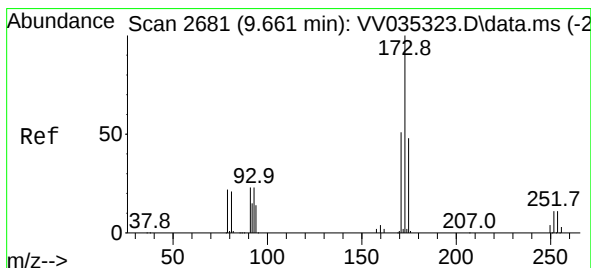
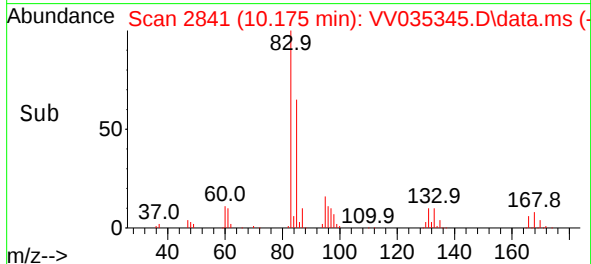
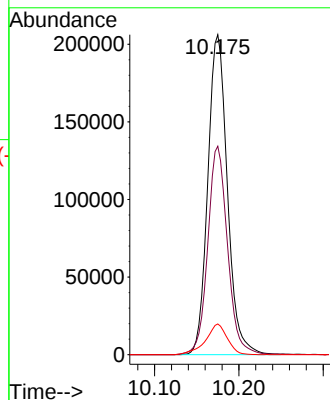
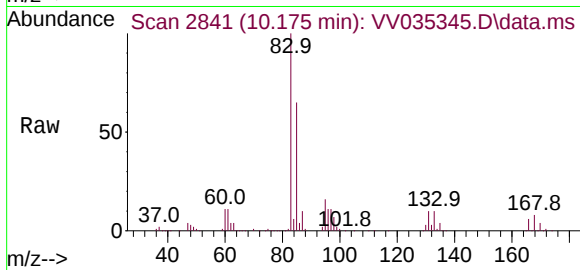




#57
1,1,2,2-Tetrachloroethane
Concen: 58.342 ug/L
RT: 10.175 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

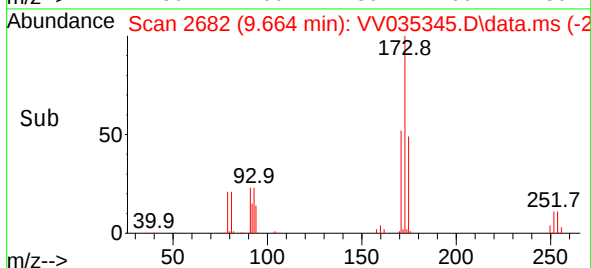
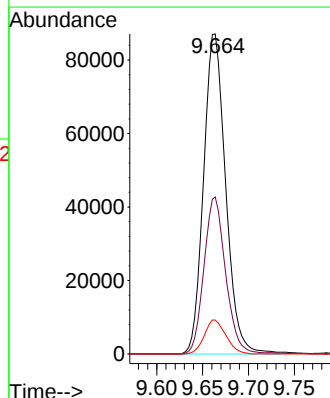
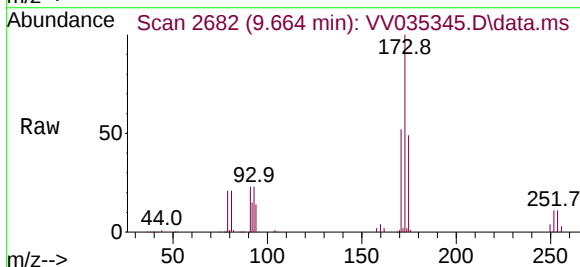
Instrument :
MSVOA_V
ClientSampleId :

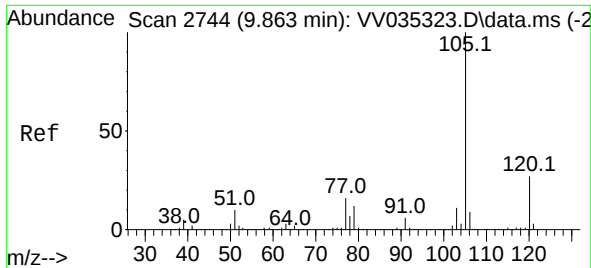
Tgt Ion: 83 Resp: 333504
Ion Ratio Lower Upper
83 100
85 65.1 44.5 82.7
131 9.6 6.9 10.3



#59
Bromoform
Concen: 55.129 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion: 173 Resp: 146226
Ion Ratio Lower Upper
173 100
175 47.8 39.3 58.9
254 10.3 7.5 11.3

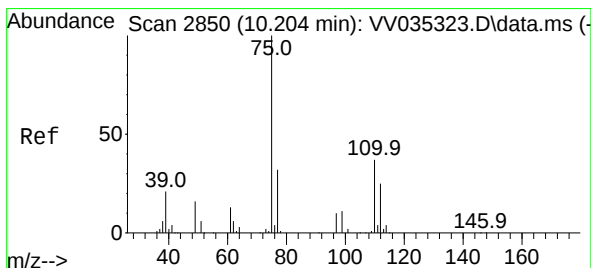
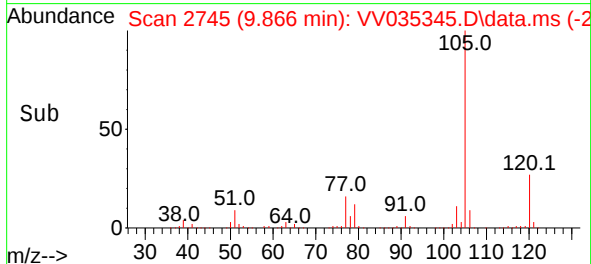
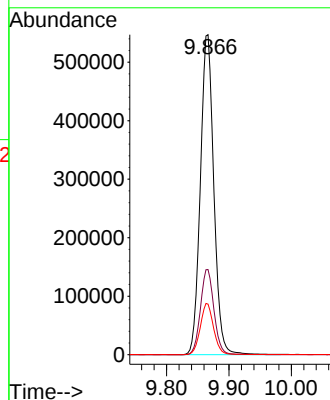
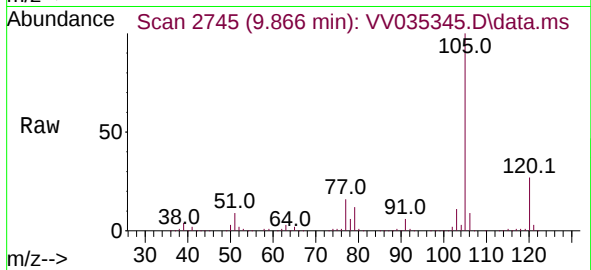




#60
Isopropylbenzene
Concen: 49.274 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

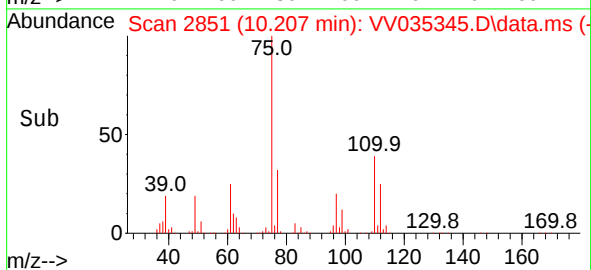
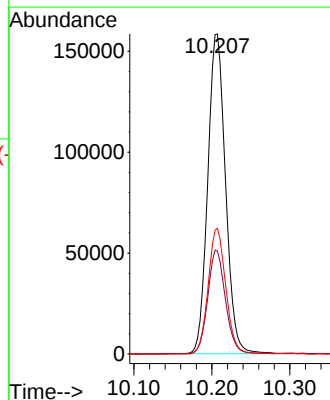
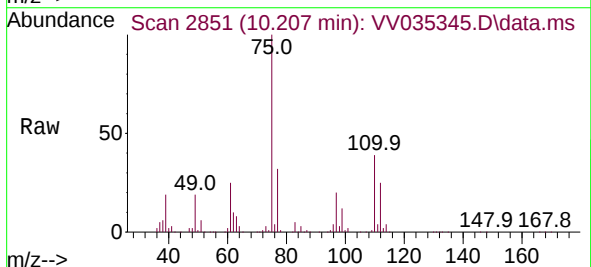
Instrument :
MSVOA_V
ClientSampleId :

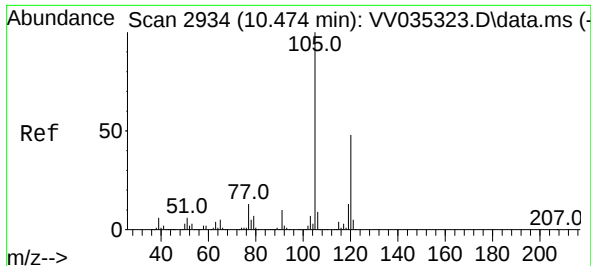
Tgt Ion:105 Resp: 822180
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.7 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 50.169 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV035345.D
Acq: 22 Apr 2024 19:53

Tgt Ion: 75 Resp: 251620
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 38.9 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 48.958 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

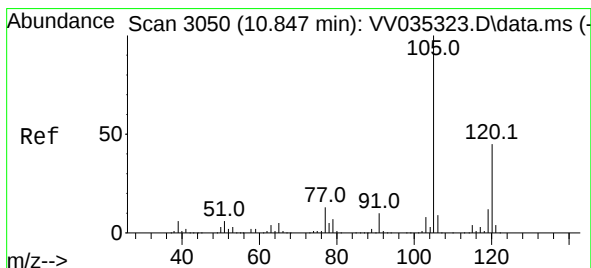
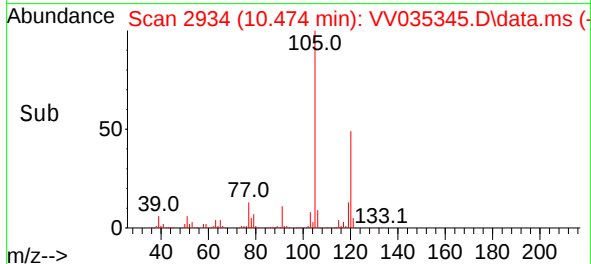
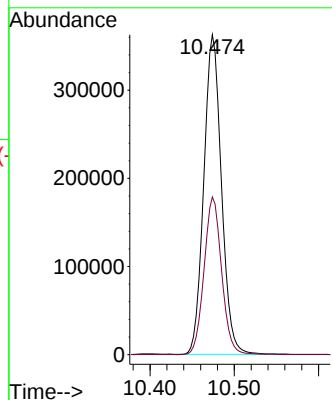
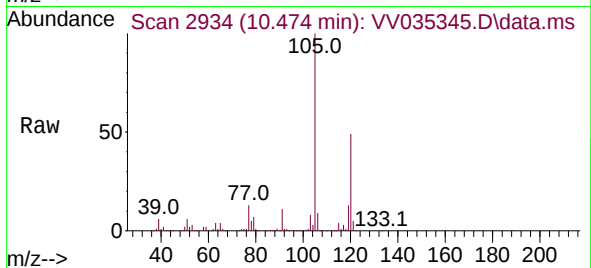
ClientSampleId :

Tgt Ion:105 Resp: 530547

Ion Ratio Lower Upper

105 100

120 49.0 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 49.501 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035345.D

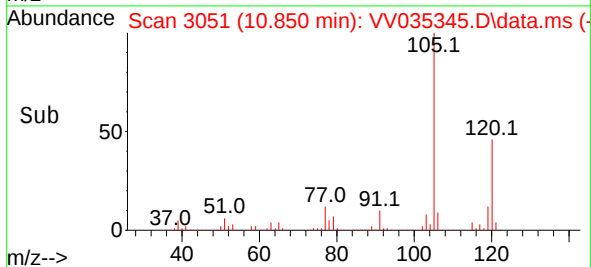
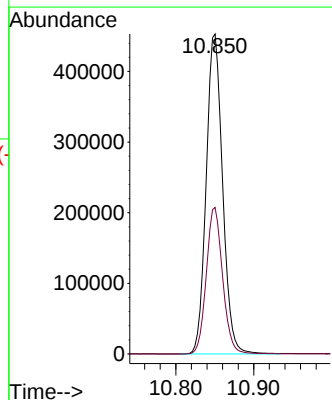
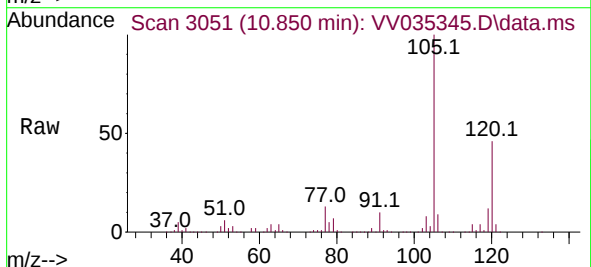
Acq: 22 Apr 2024 19:53

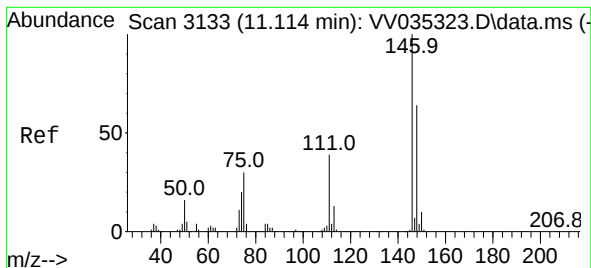
Tgt Ion:105 Resp: 663229

Ion Ratio Lower Upper

105 100

120 45.5 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 52.985 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

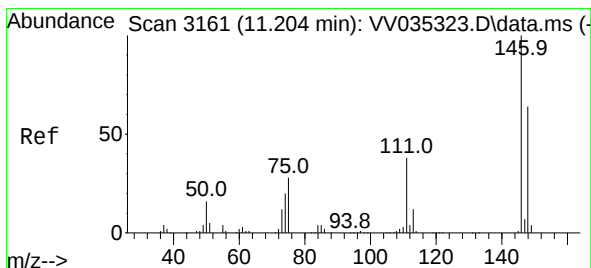
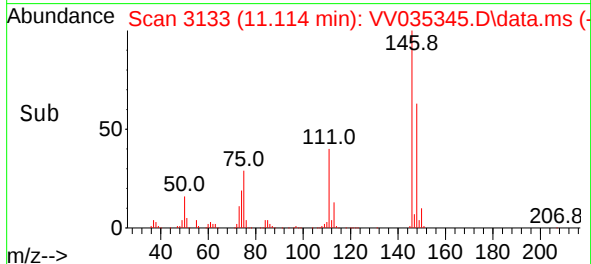
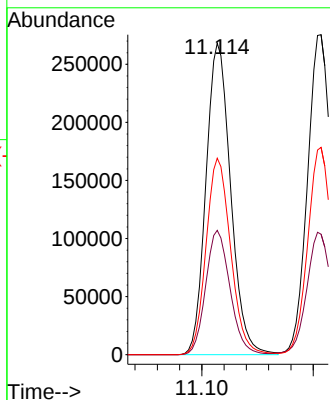
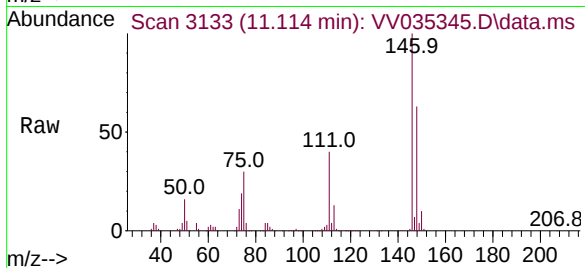
Tgt Ion:146 Resp: 413162

Ion Ratio Lower Upper

146 100

111 39.9 28.7 53.3

148 63.0 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 54.368 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

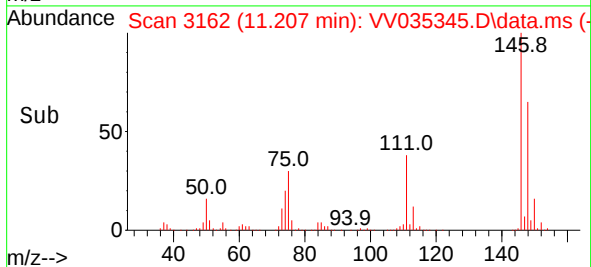
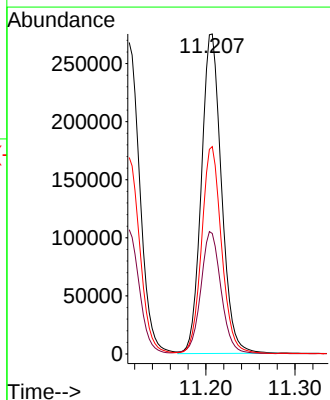
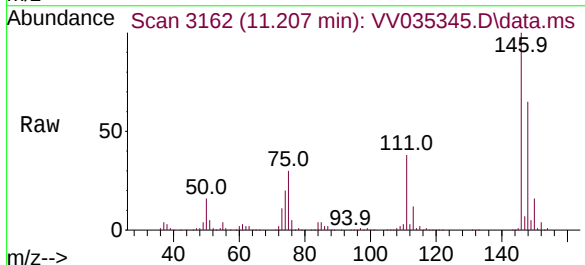
Tgt Ion:146 Resp: 431118

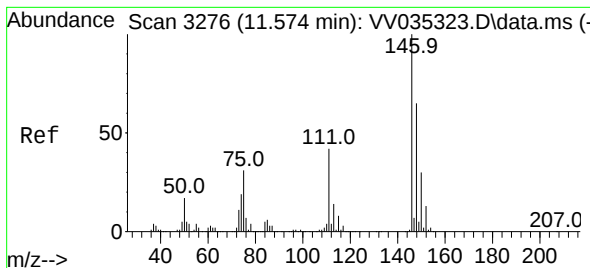
Ion Ratio Lower Upper

146 100

111 37.7 27.4 50.8

148 64.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 55.505 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

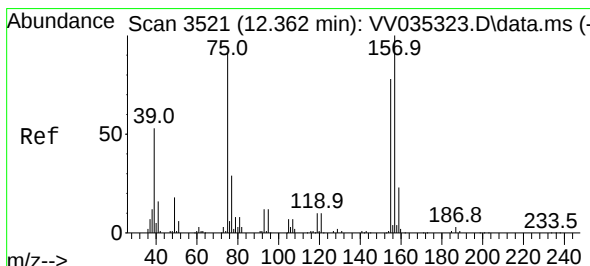
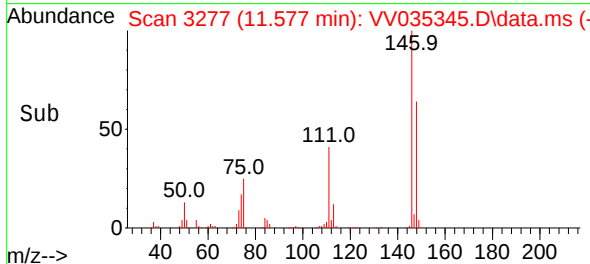
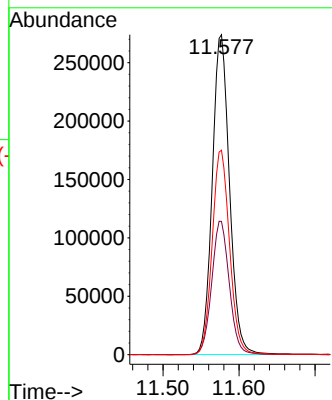
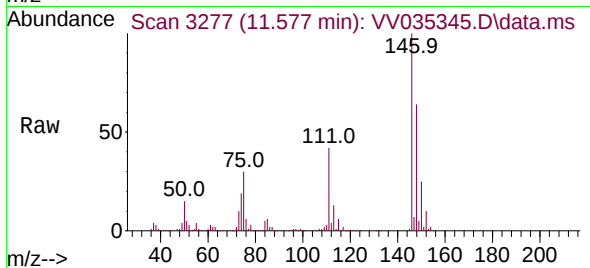
Tgt Ion:146 Resp: 431159

Ion Ratio Lower Upper

146 100

111 41.7 34.6 52.0

148 63.9 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.336 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

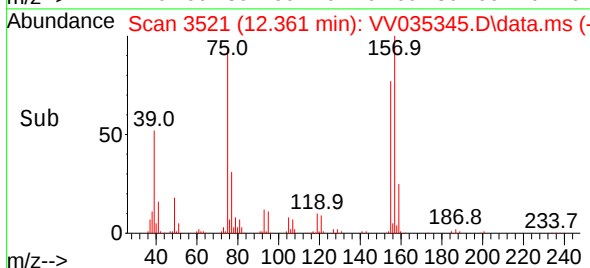
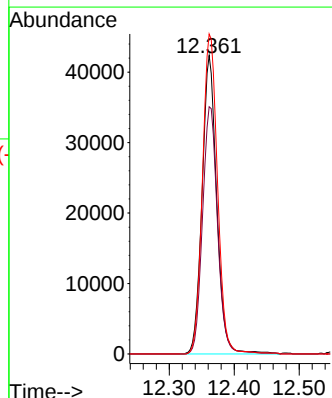
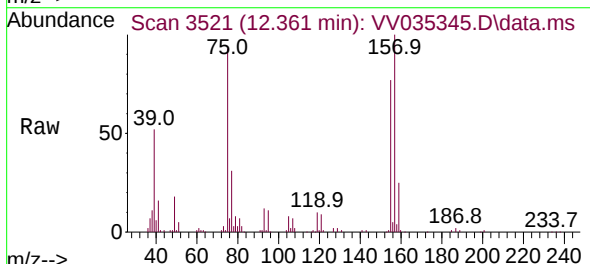
Tgt Ion: 75 Resp: 66790

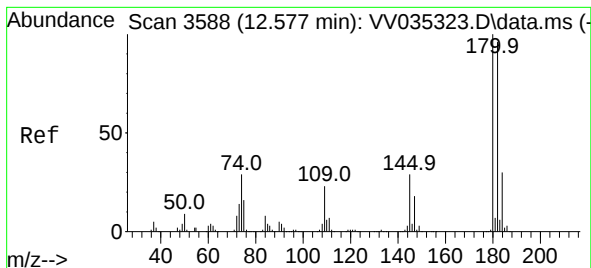
Ion Ratio Lower Upper

75 100

155 82.8 63.0 94.6

157 107.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 54.287 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

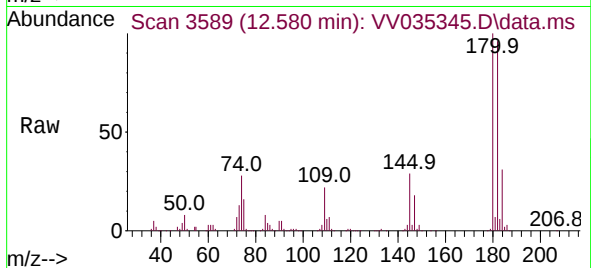
Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 305083

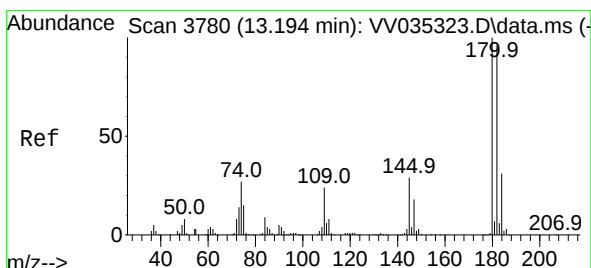
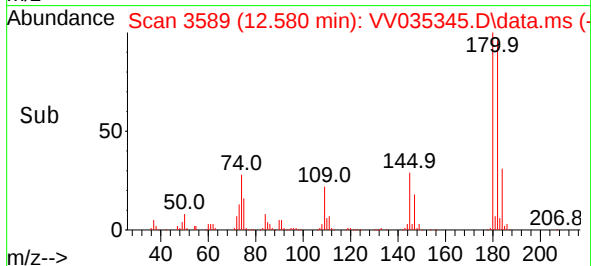
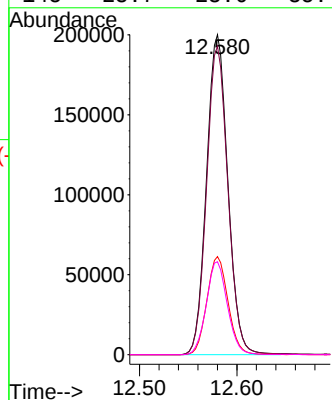
Ion Ratio Lower Upper

180 100

182 96.4 74.7 112.1

184 30.3 24.0 36.0

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 55.050 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

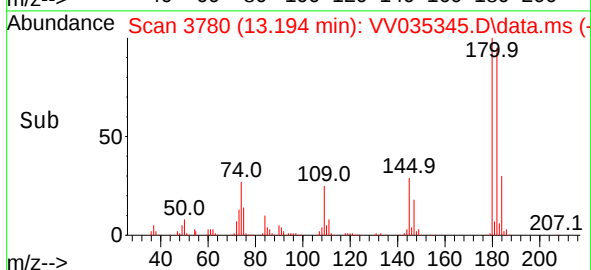
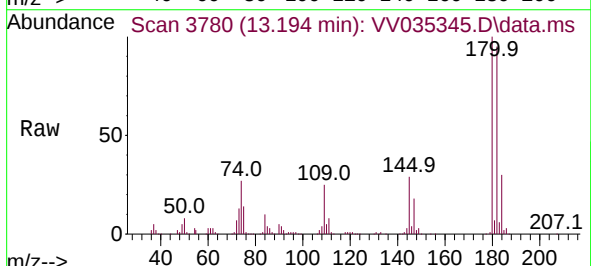
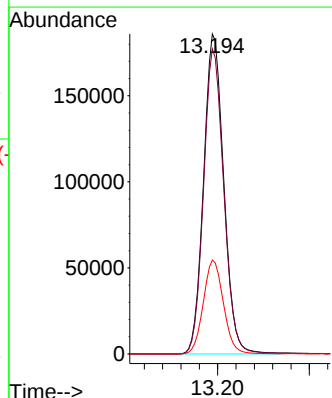
Tgt Ion:180 Resp: 284180

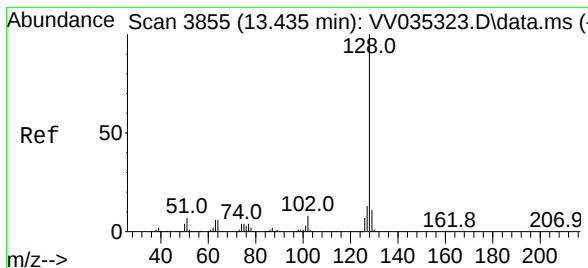
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

145 29.3 24.1 36.1





#71

Naphthalene

Concen: 42.298 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

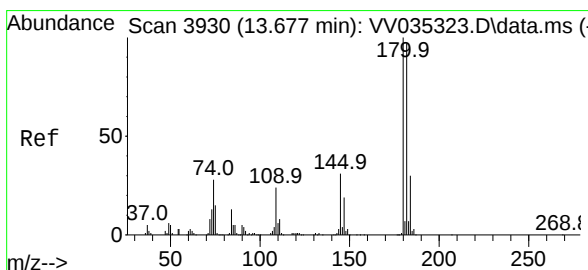
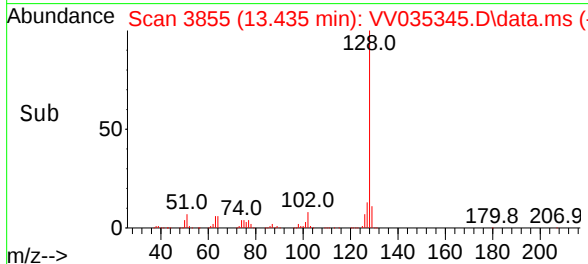
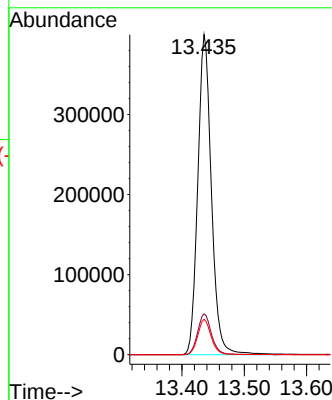
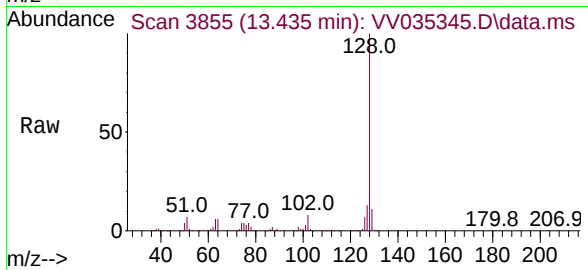
Tgt Ion:128 Resp: 605798

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.703 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035345.D

Acq: 22 Apr 2024 19:53

Tgt Ion:180 Resp: 278357

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 31.1 25.8 38.6

