

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041924\
 Data File : VW035296.D
 Acq On : 19 Apr 2024 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 22:24:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	443865	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	433379	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	229537	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	164560	38.389	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.780%
7) Chloroethane-d5	1.532	69	153606	41.256	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.520%
11) 1,1-Dichloroethene-d2	2.059	65	69371	36.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.840%
21) 2-Butanone-d5	3.786	46	240275	94.510	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.510%
24) Chloroform-d	4.246	84	337569	46.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.680%
26) 1,2-Dichloroethane-d4	4.937	65	205334	44.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.956	84	632893	43.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.960%
36) 1,2-Dichloropropane-d6	5.985	67	206481	44.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.340%
41) Toluene-d8	7.239	98	575422	43.891	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.780%
43) trans-1,3-Dichloroprop...	7.548	79	94990	42.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.540%
47) 2-Hexanone-d5	8.021	63	152097	87.024	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	303814	47.726	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.460%
66) 1,2-Dichlorobenzene-d4	11.557	152	228729	44.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.760%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	132239	41.106	ug/L	99
3) Chloromethane	1.217	50	160454	38.797	ug/L	100
5) Vinyl chloride	1.285	62	175119	40.390	ug/L	98
6) Bromomethane	1.490	94	110276	33.931	ug/L	98
8) Chloroethane	1.548	64	127701	43.126	ug/L	98
9) Trichlorofluoromethane	1.712	101	249986	43.930	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	162010	46.514	ug/L	98
12) 1,1-Dichloroethene	2.069	96	140114	42.061	ug/L	96
13) Acetone	2.121	43	273782	117.299	ug/L	99
14) Carbon disulfide	2.243	76	353218	37.652	ug/L	100
15) Methyl Acetate	2.375	43	203127	55.226	ug/L	99
16) Methylene chloride	2.445	84	201057	55.702	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	156440	48.574	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	596343	52.716	ug/L	99
19) 1,1-Dichloroethane	3.111	63	353848	53.576	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	195562	53.473	ug/L	96
22) 2-Butanone	3.866	43	302591	111.723	ug/L	99
23) Bromochloromethane	4.143	128	101316	55.370	ug/L	94
25) Chloroform	4.272	83	361904	55.423	ug/L	97

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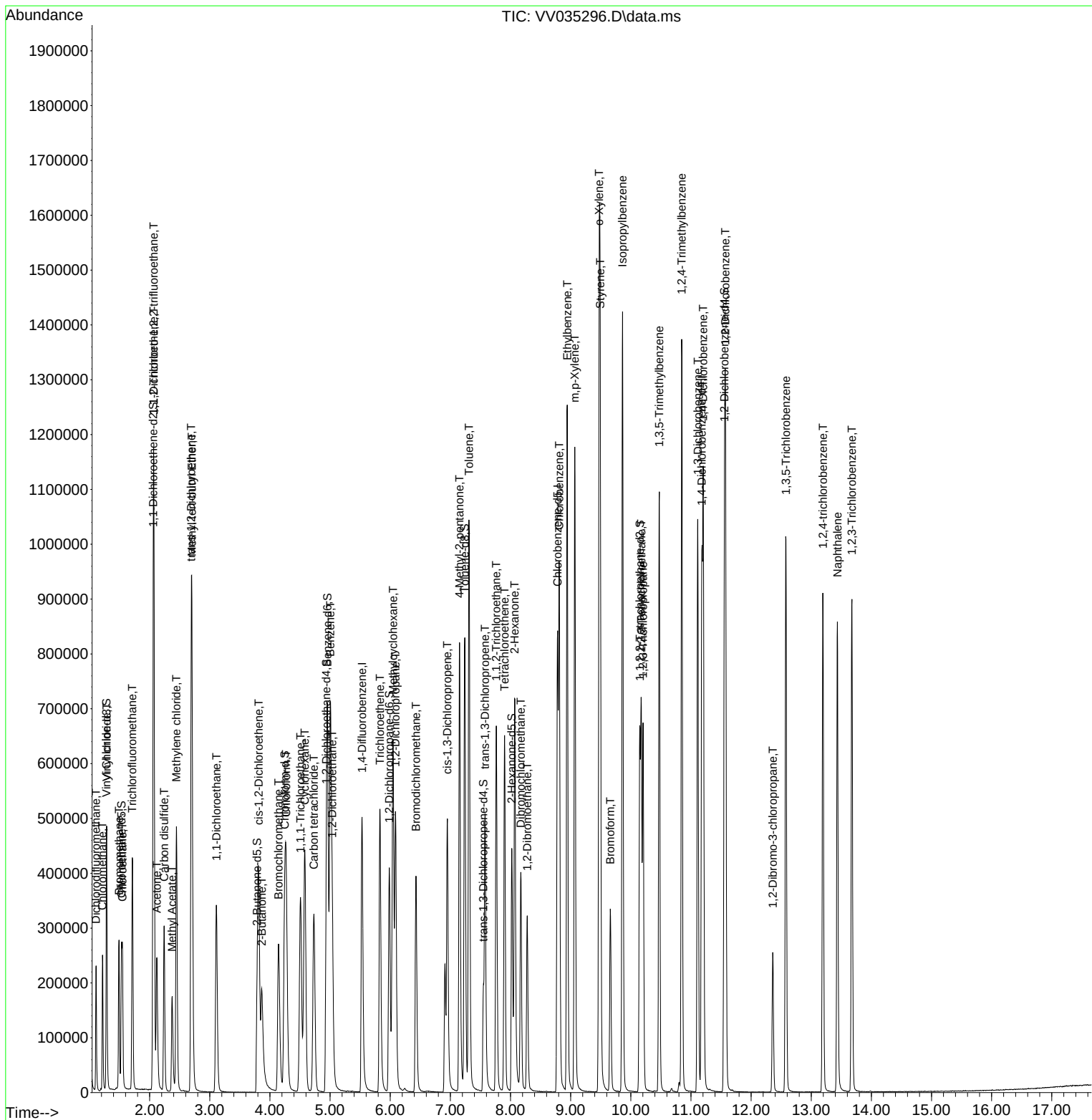
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 ClientSampleId :

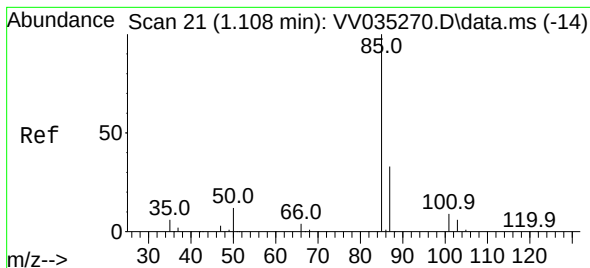
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 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	274189	52.739	ug/L	98
29) Cyclohexane	4.580	56	249275	45.924	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	298795	52.893	ug/L	99
31) Carbon tetrachloride	4.731	117	254407	53.133	ug/L	100
33) Benzene	5.005	78	723649	51.207	ug/L	100
34) Trichloroethene	5.831	95	191183	50.128	ug/L	98
35) Methylcyclohexane	6.046	83	280423	48.686	ug/L	99
37) 1,2-Dichloropropane	6.088	63	210887	53.999	ug/L	99
38) Bromodichloromethane	6.429	83	272637	54.106	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	307354	49.958	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	528905	106.073	ug/L	100
42) Toluene	7.310	91	777515	52.552	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	300646	53.192	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	207571	56.390	ug/L	99
46) Tetrachloroethene	7.902	164	145652	54.664	ug/L	97
48) 2-Hexanone	8.069	43	446039	105.177	ug/L	97
49) Dibromochloromethane	8.172	129	203212	55.739	ug/L	100
50) 1,2-Dibromoethane	8.278	107	214744	54.187	ug/L	99
51) Chlorobenzene	8.812	112	521887	54.425	ug/L	99
52) Ethylbenzene	8.943	91	866028	52.816	ug/L	99
53) m,p-Xylene	9.069	106	325581	53.917	ug/L	100
54) o-Xylene	9.474	106	321621	53.830	ug/L	97
55) Styrene	9.493	104	574223	56.872	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	341567	57.271	ug/L	98
59) Bromoform	9.660	173	150755	57.312	ug/L	98
60) Isopropylbenzene	9.863	105	884465	53.449	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	260399	52.353	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	573214	53.338	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	716999	53.962	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	419972	54.309	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	432684	55.021	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	436098	56.610	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	64471	47.048	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	314573	56.443	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	278715	54.443	ug/L	99
71) Naphthalene	13.435	128	659624	46.441	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	276017	54.697	ug/L	99

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

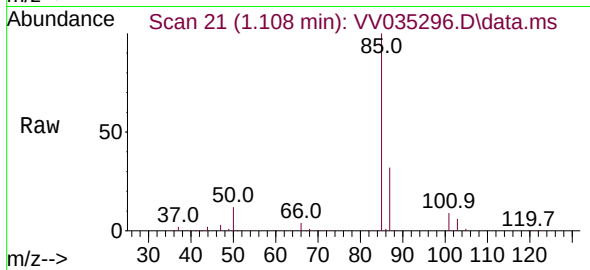
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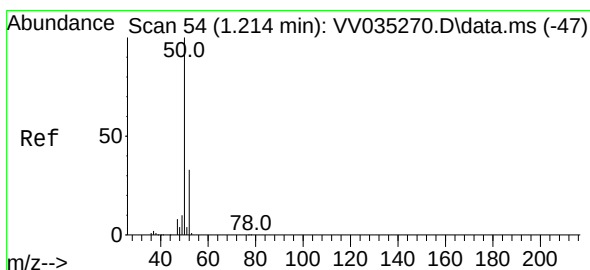
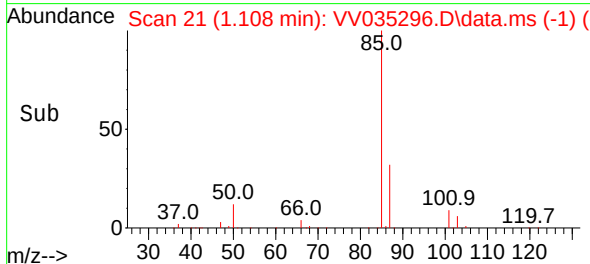
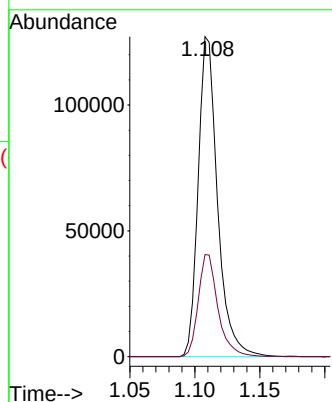


#2
 Dichlorodifluoromethane
 Concen: 41.106 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV035296.D
 Acq: 19 Apr 2024 10:07

Instrument :
 MSVOA_V
 ClientSampleId :

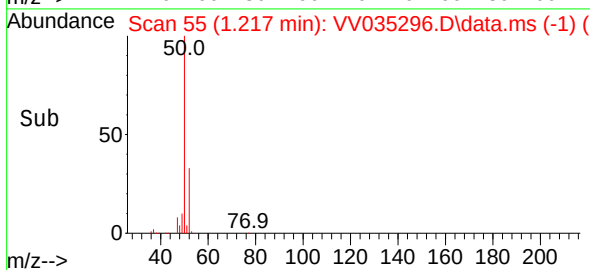
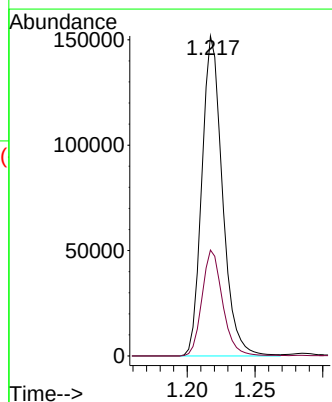
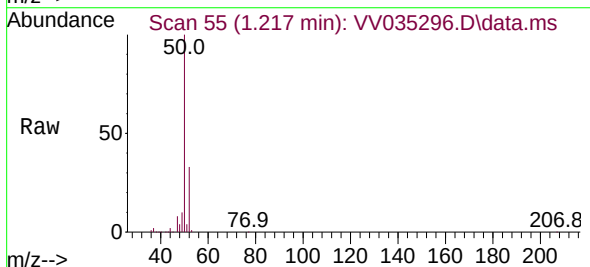


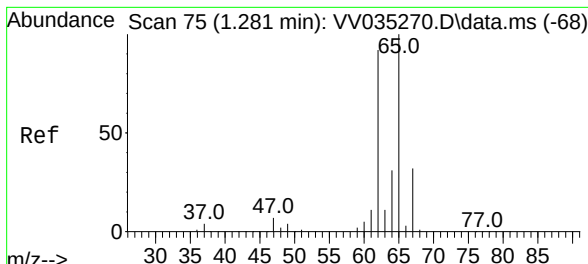
Tgt Ion: 85 Resp: 132239
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.7 38.5



#3
 Chloromethane
 Concen: 38.797 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV035296.D
 Acq: 19 Apr 2024 10:07

Tgt Ion: 50 Resp: 160454
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.8

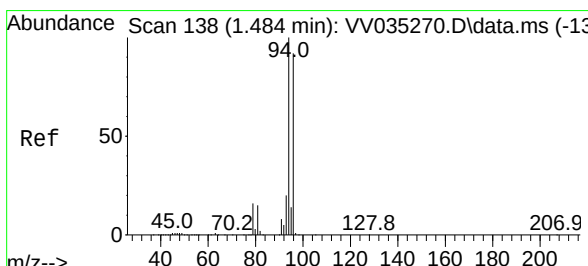
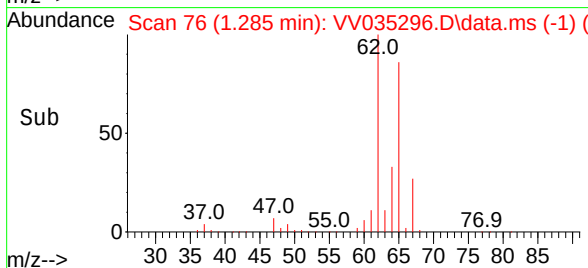
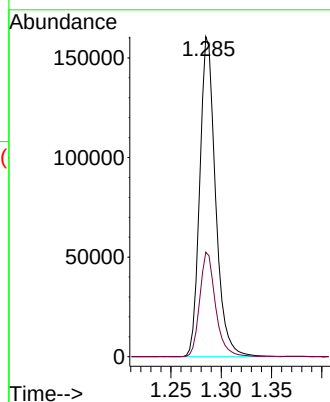
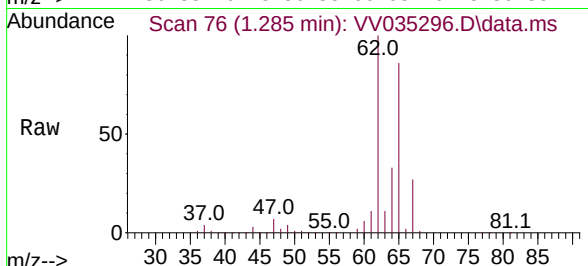




#5
 Vinyl chloride
 Concen: 40.390 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV035296.D
 Acq: 19 Apr 2024 10:07

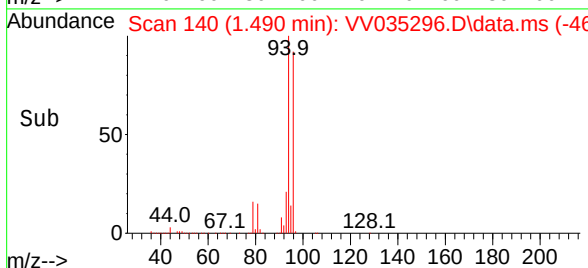
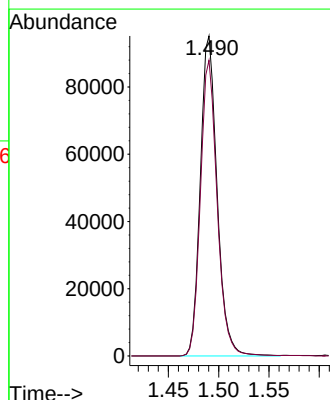
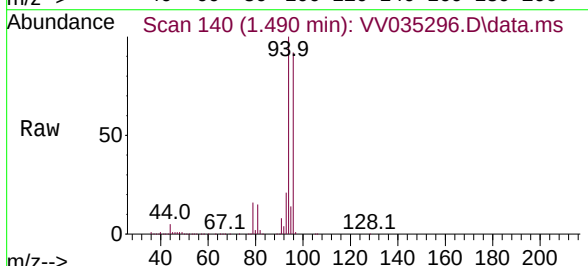
Instrument :
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 ClientSampleId :

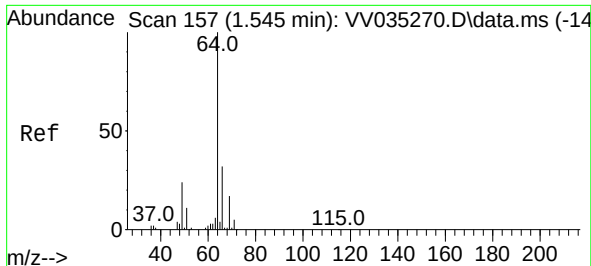
Tgt Ion: 62 Resp: 175119
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.6 43.8



#6
 Bromomethane
 Concen: 33.931 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV035296.D
 Acq: 19 Apr 2024 10:07

Tgt Ion: 94 Resp: 110276
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.3 123.1

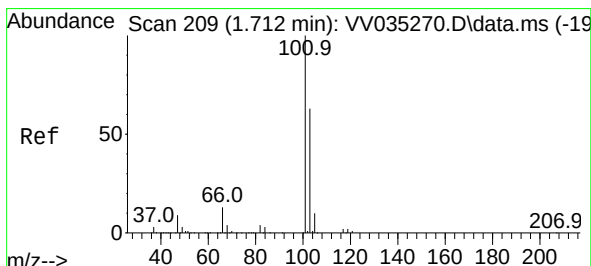
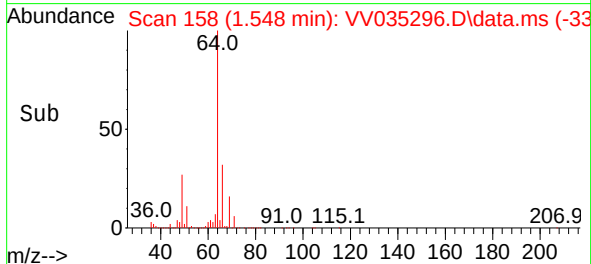
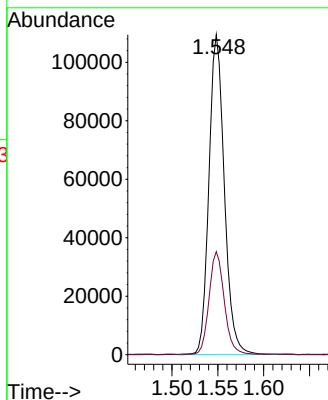
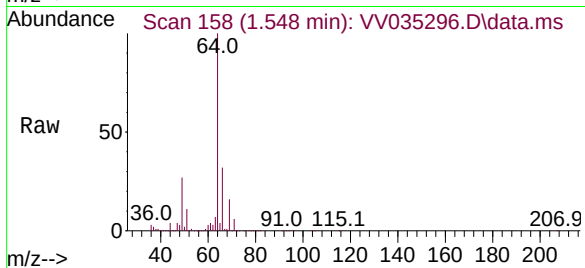




#8
Chloroethane
Concen: 43.126 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

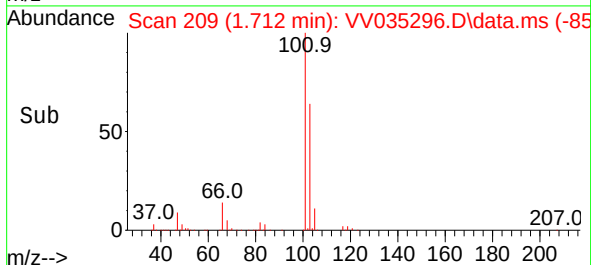
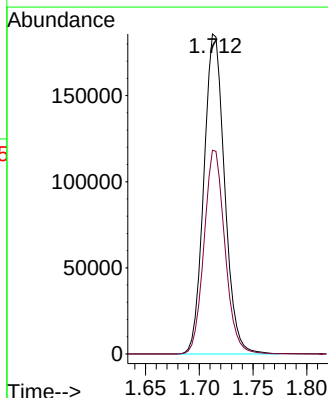
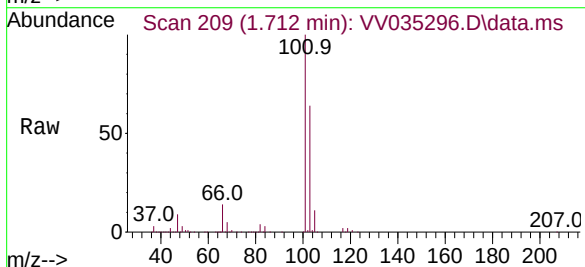
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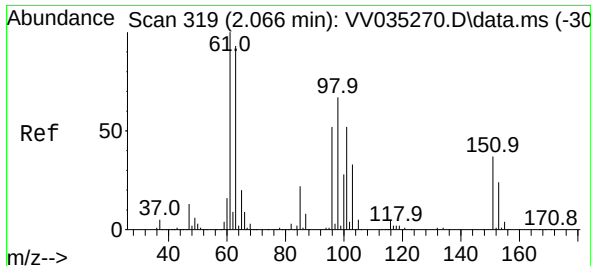
Tgt Ion: 64 Resp: 127701
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 43.930 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion:101 Resp: 249986
Ion Ratio Lower Upper
101 100
103 64.1 51.6 77.4





#10

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

Concen: 46.514 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

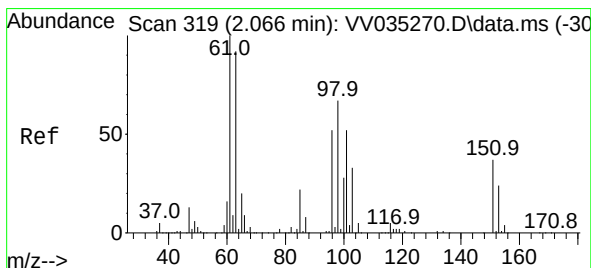
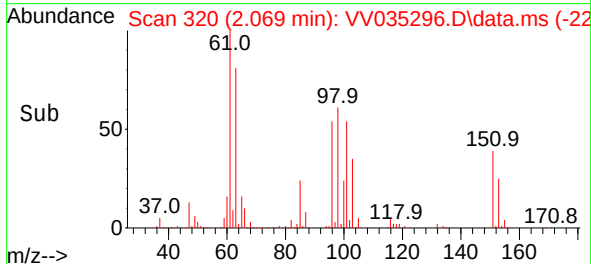
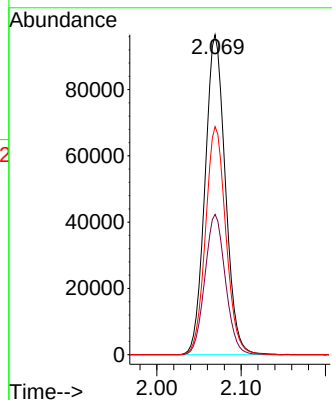
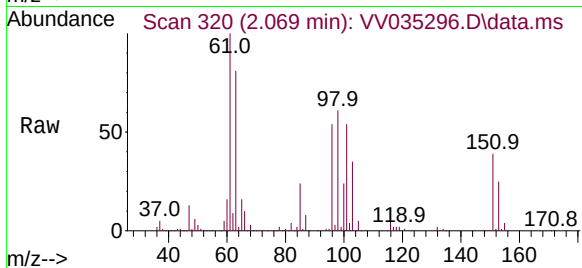
Tgt Ion:101 Resp: 162010

Ion Ratio Lower Upper

101 100

85 44.4 35.3 52.9

151 71.6 55.0 82.4



#12

1,1-Dichloroethene

Concen: 42.061 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

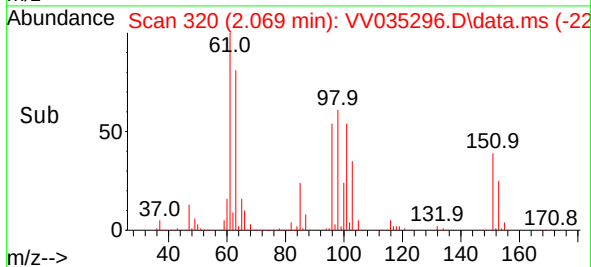
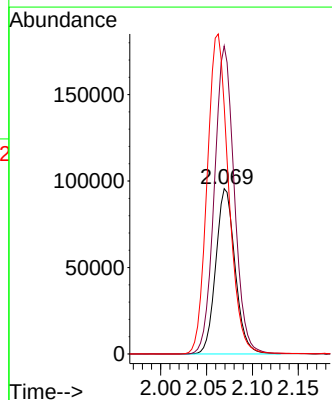
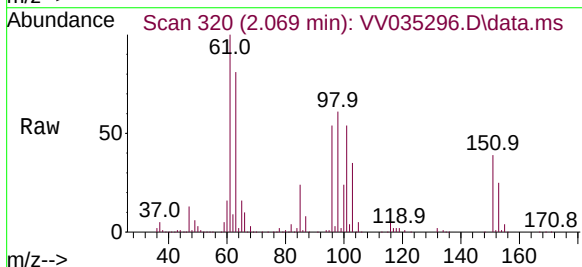
Tgt Ion: 96 Resp: 140114

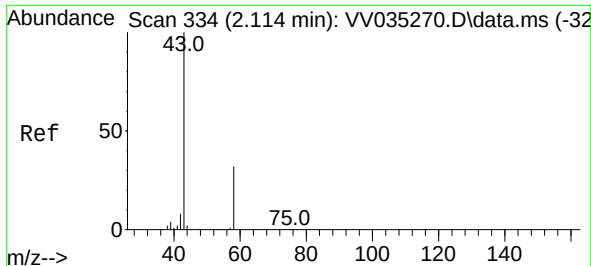
Ion Ratio Lower Upper

96 100

61 186.3 131.5 244.3

63 150.0 111.4 206.8





#13

Acetone

Concen: 117.299 ug/L

RT: 2.121 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

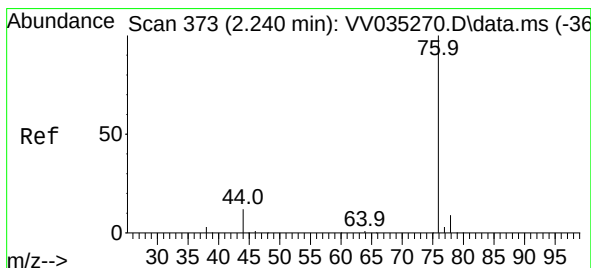
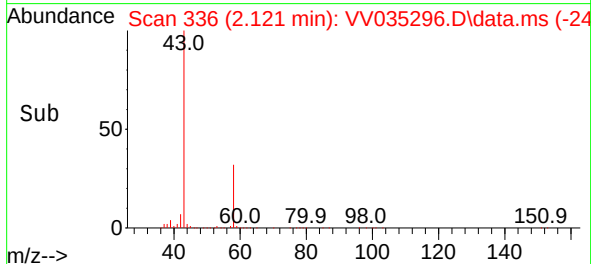
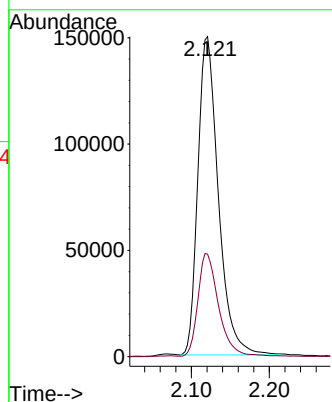
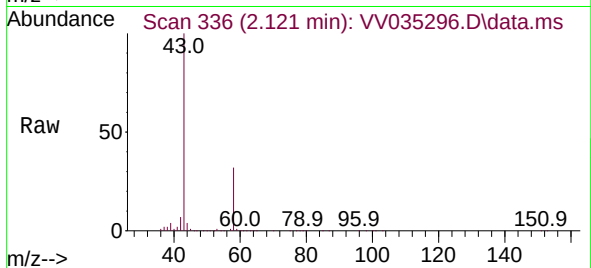
ClientSampleId :

Tgt Ion: 43 Resp: 273782

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.0



#14

Carbon disulfide

Concen: 37.652 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV035296.D

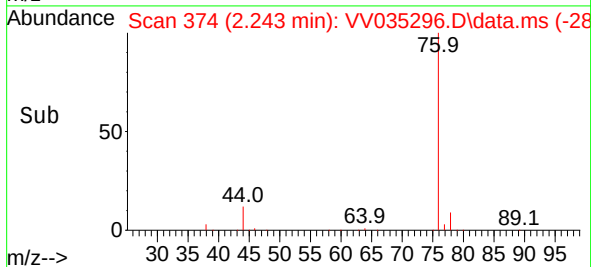
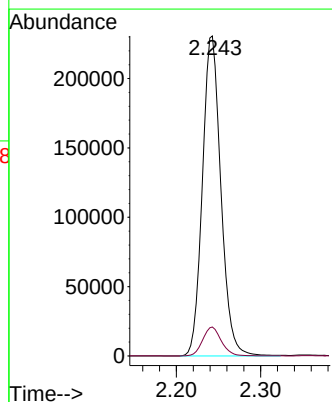
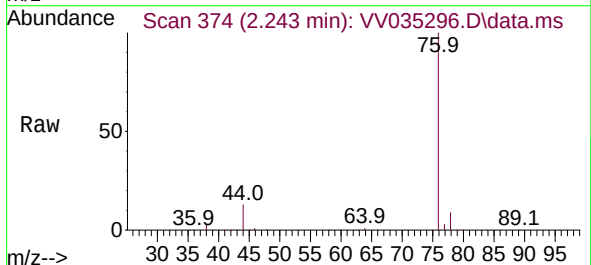
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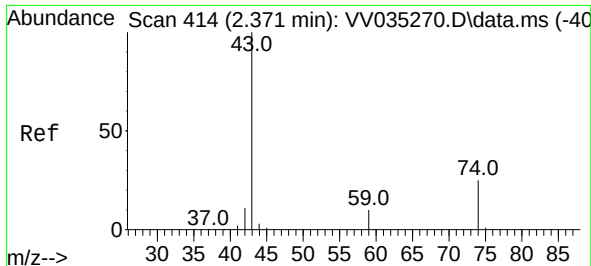
Tgt Ion: 76 Resp: 353218

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 55.226 ug/L

RT: 2.375 min Scan# 414

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

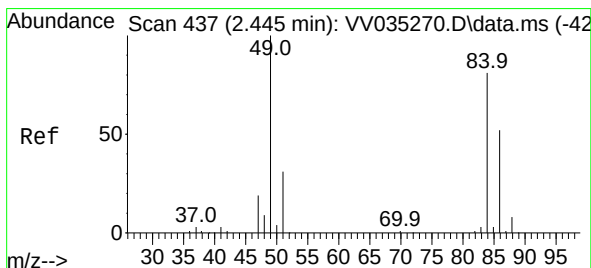
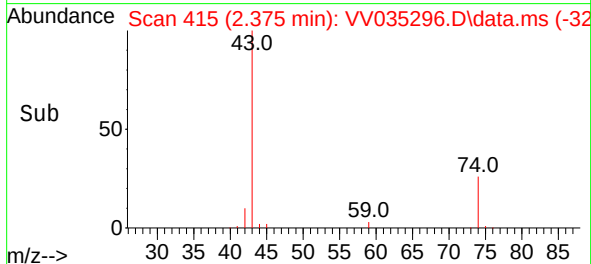
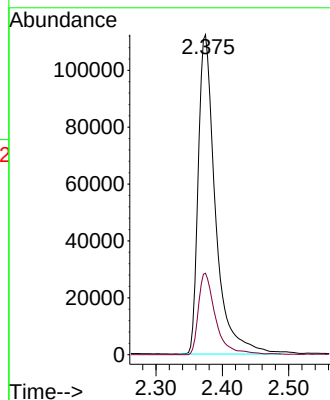
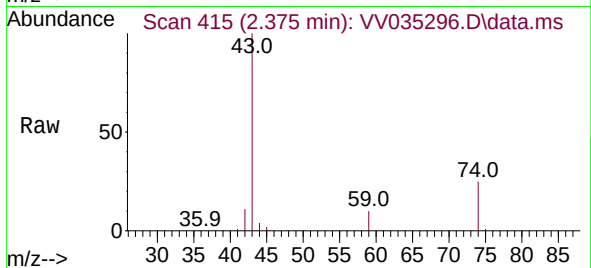
ClientSampleId :

Tgt Ion: 43 Resp: 203127

Ion Ratio Lower Upper

43 100

74 25.4 19.8 29.8



#16

Methylene chloride

Concen: 55.702 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

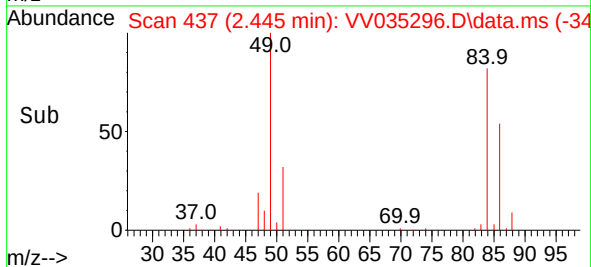
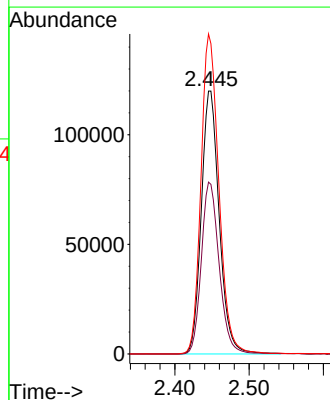
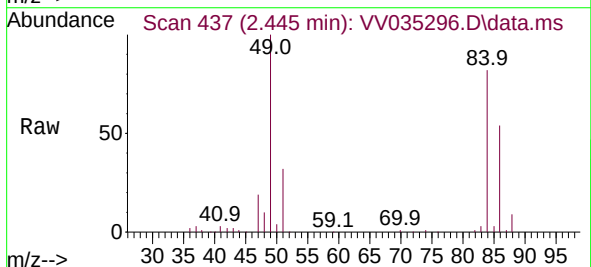
Tgt Ion: 84 Resp: 201057

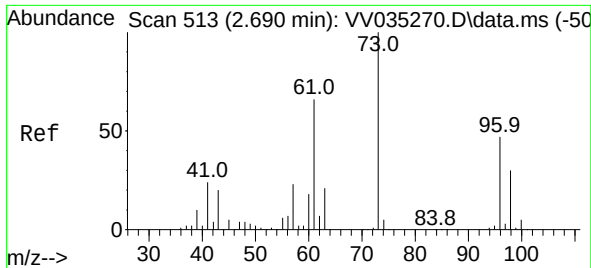
Ion Ratio Lower Upper

84 100

86 65.4 44.6 82.8

49 121.7 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 48.574 ug/L

RT: 2.693 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

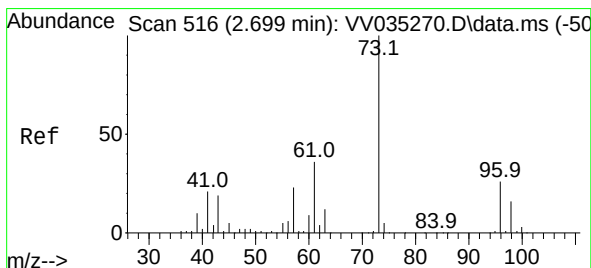
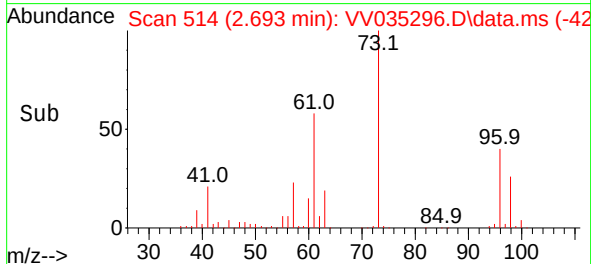
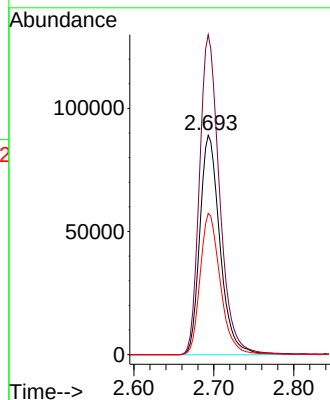
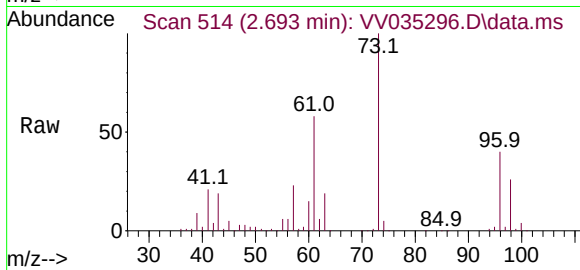
Tgt Ion: 96 Resp: 156440

Ion Ratio Lower Upper

96 100

61 145.8 99.0 183.8

98 64.4 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 52.716 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

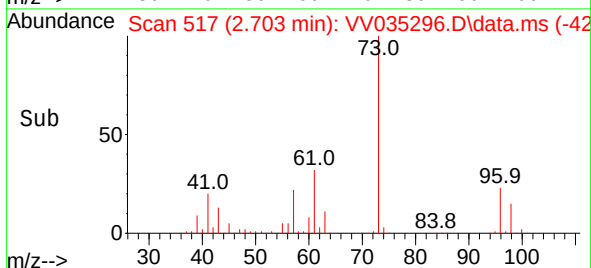
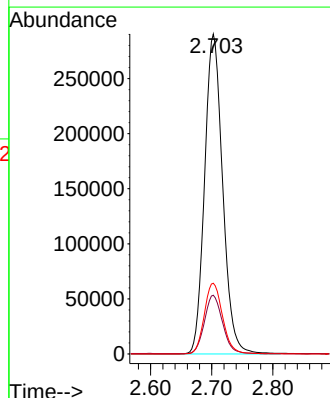
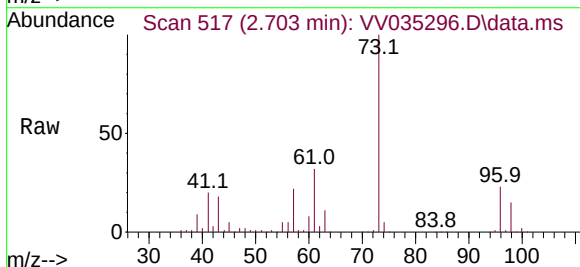
Tgt Ion: 73 Resp: 596343

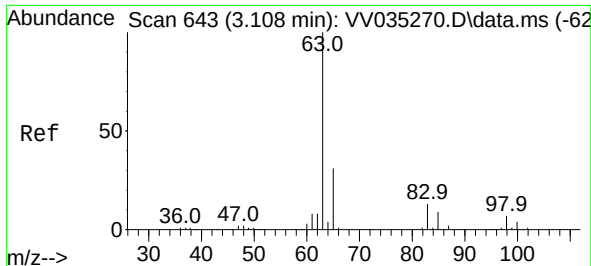
Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

57 22.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 53.576 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

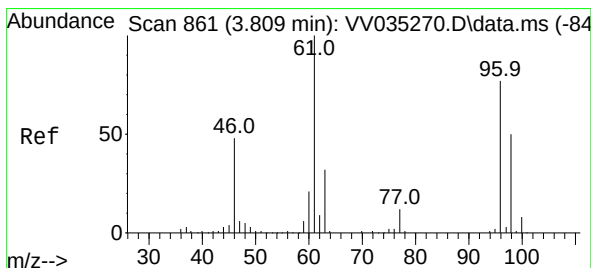
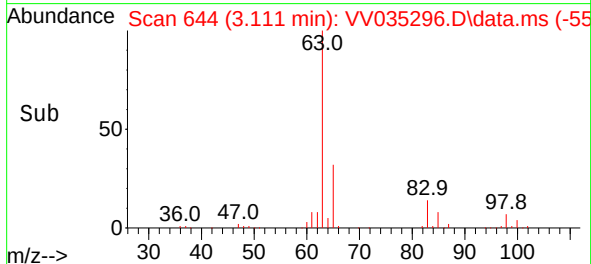
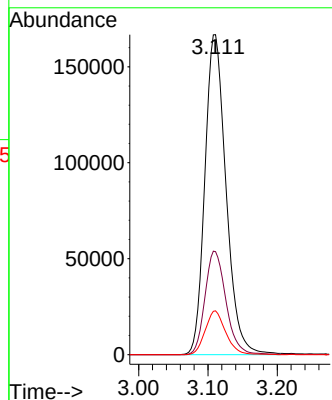
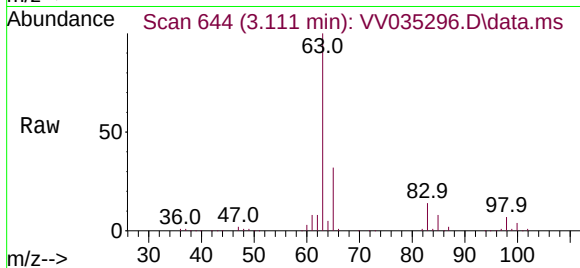
Tgt Ion: 63 Resp: 353848

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.6

83 13.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 53.473 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

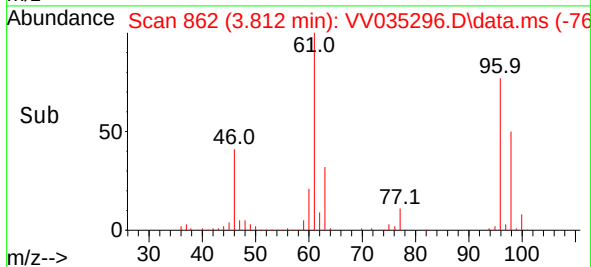
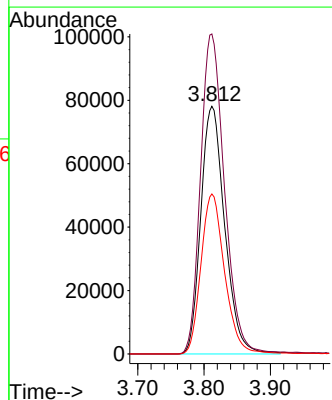
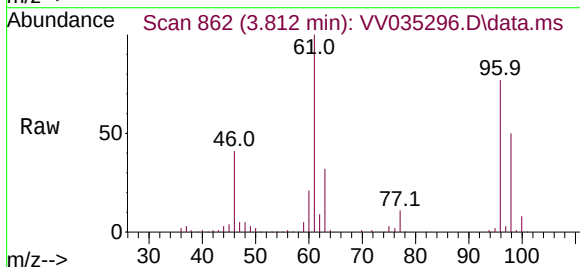
Tgt Ion: 96 Resp: 195562

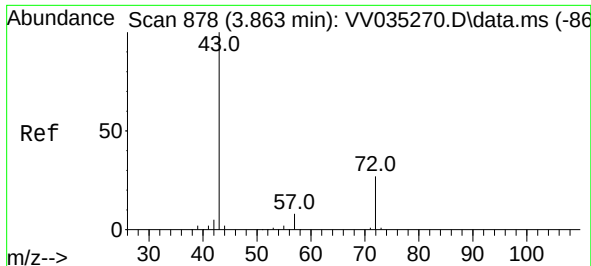
Ion Ratio Lower Upper

96 100

61 129.2 94.9 176.3

98 64.6 45.6 84.8

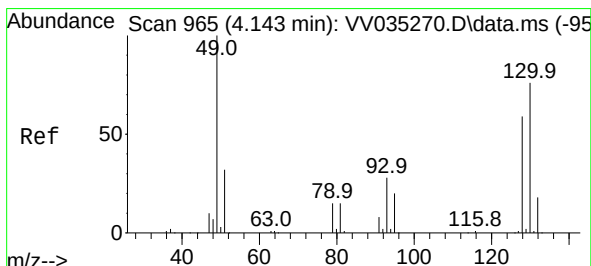
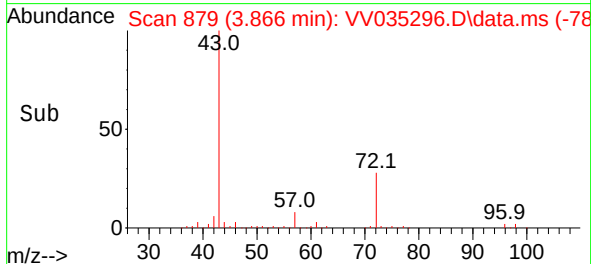
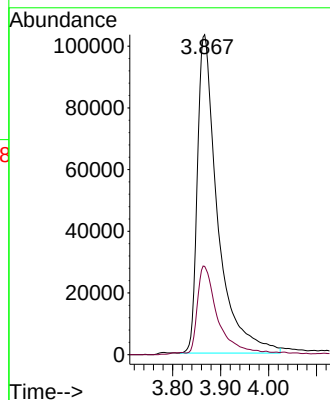
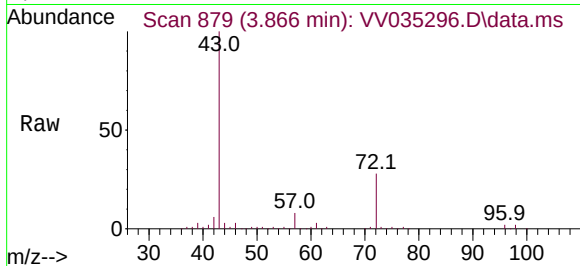




#22
2-Butanone
Concen: 111.723 ug/L
RT: 3.866 min Scan# 878
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

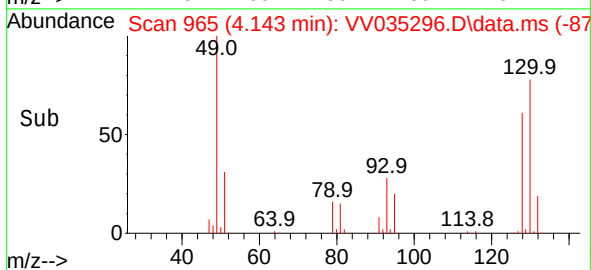
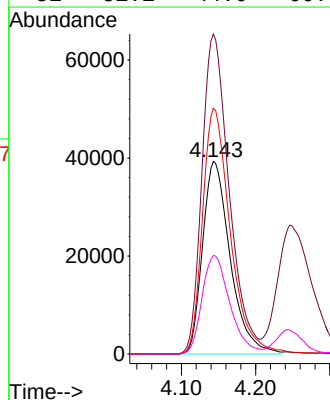
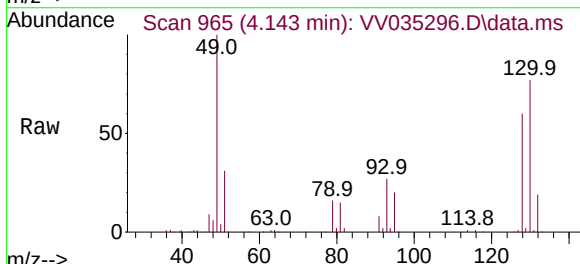
Instrument :
MSVOA_V
ClientSampleId :

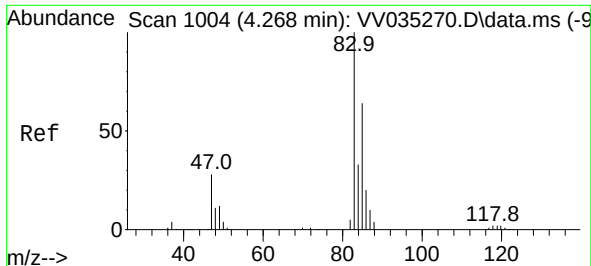
Tgt Ion: 43 Resp: 302591
Ion Ratio Lower Upper
43 100
72 26.0 13.2 39.6



#23
Bromochloromethane
Concen: 55.370 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion:128 Resp: 101316
Ion Ratio Lower Upper
128 100
49 166.3 123.8 229.8
130 127.6 93.2 173.0
51 51.1 44.0 66.0





#25

Chloroform

Concen: 55.423 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

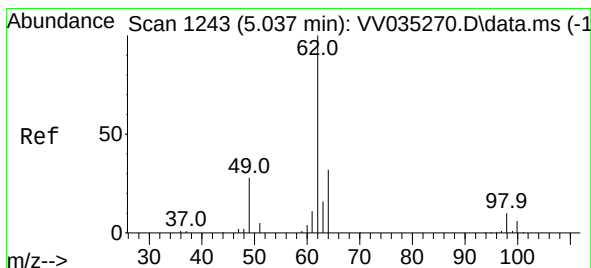
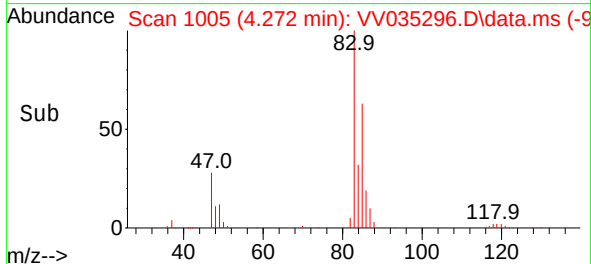
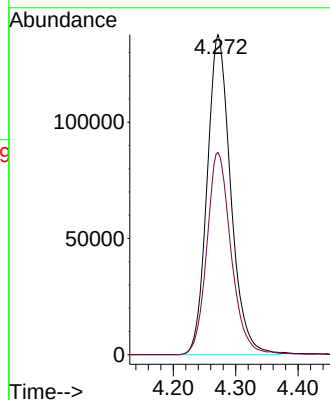
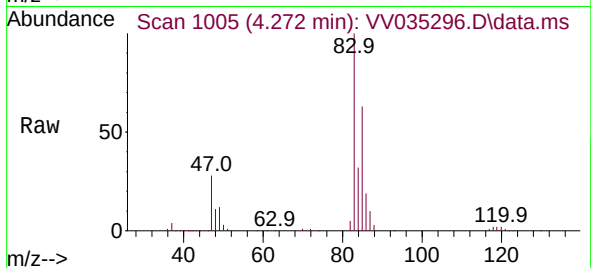
ClientSampleId :

Tgt Ion: 83 Resp: 361904

Ion Ratio Lower Upper

83 100

85 63.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 52.739 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV035296.D

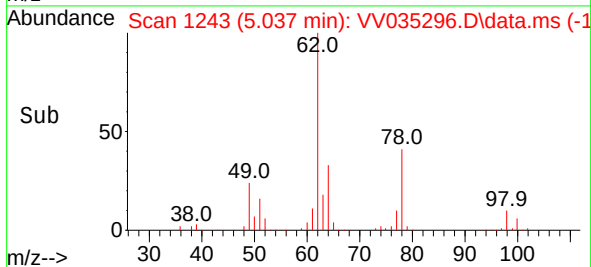
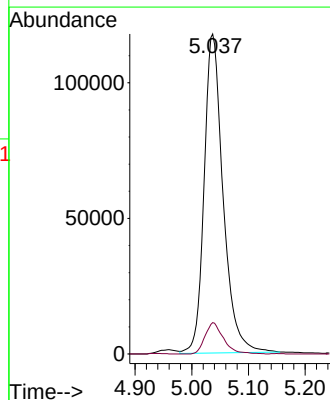
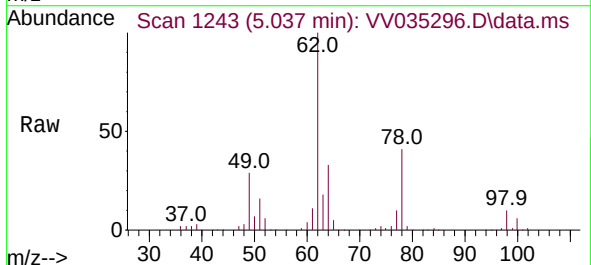
Acq: 19 Apr 2024 10:07

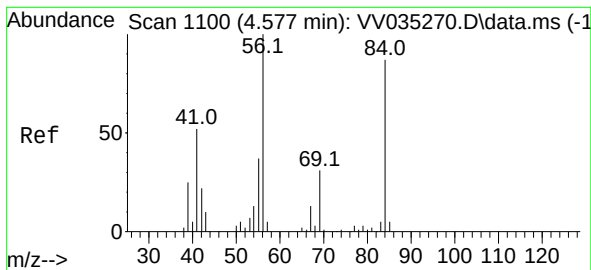
Tgt Ion: 62 Resp: 274189

Ion Ratio Lower Upper

62 100

98 9.8 7.2 10.8





#29

Cyclohexane

Concen: 45.924 ug/L

RT: 4.580 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

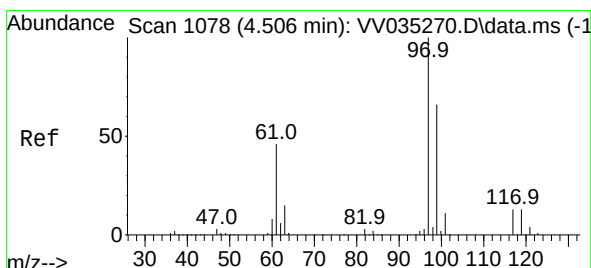
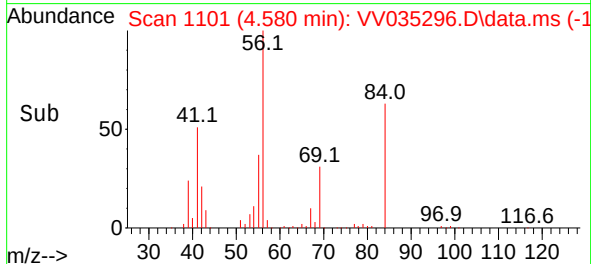
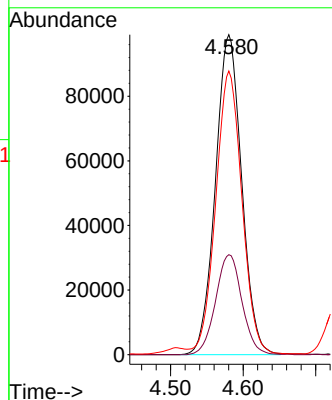
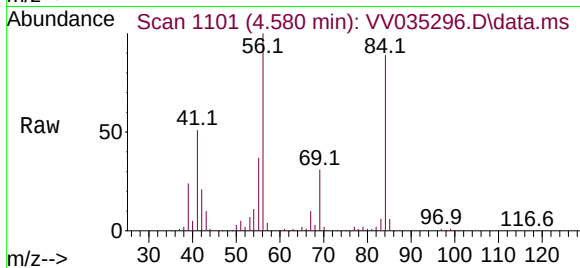
Tgt Ion: 56 Resp: 249275

Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.2

84 88.5 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 52.893 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

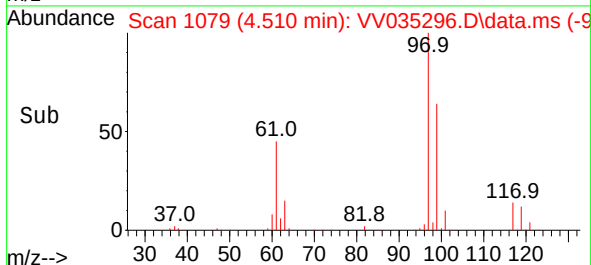
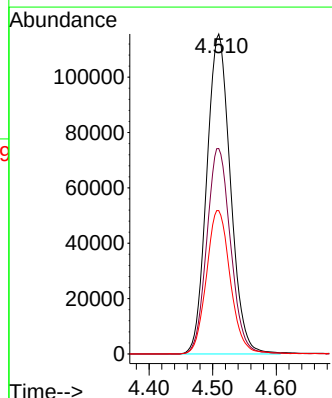
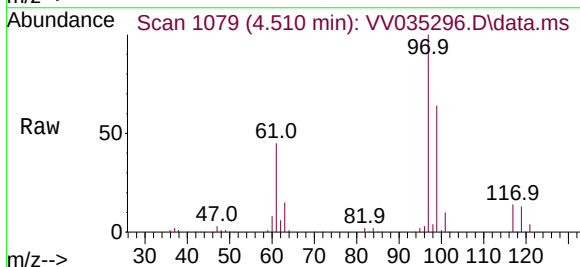
Tgt Ion: 97 Resp: 298795

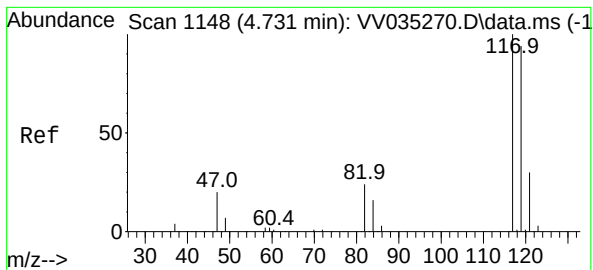
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

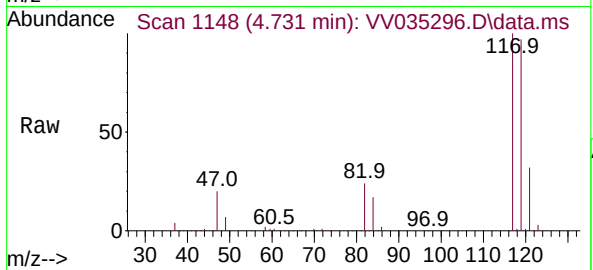
61 45.2 36.8 55.2



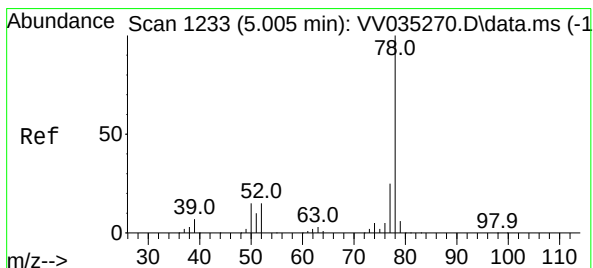
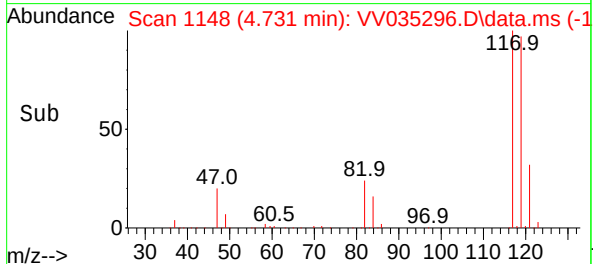
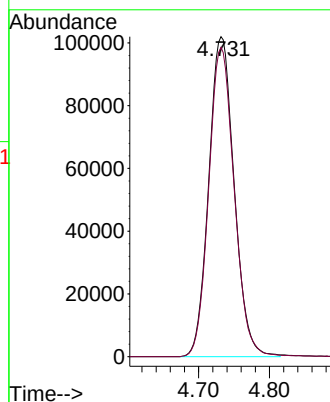


#31
Carbon tetrachloride
Concen: 53.133 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Instrument :
MSVOA_V
ClientSampleId :

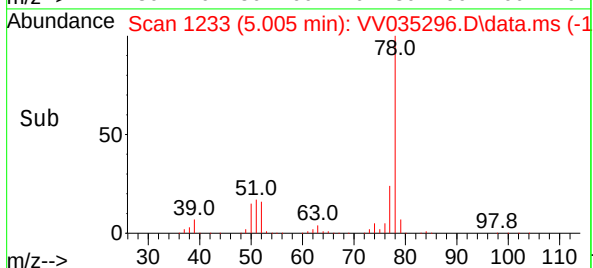
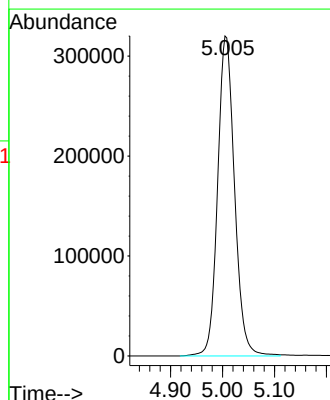
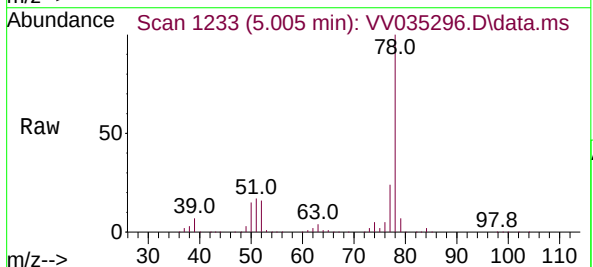


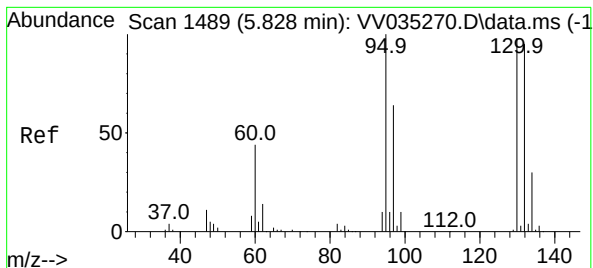
Tgt Ion:117 Resp: 254407
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 51.207 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion: 78 Resp: 723649





#34

Trichloroethene

Concen: 50.128 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 191183

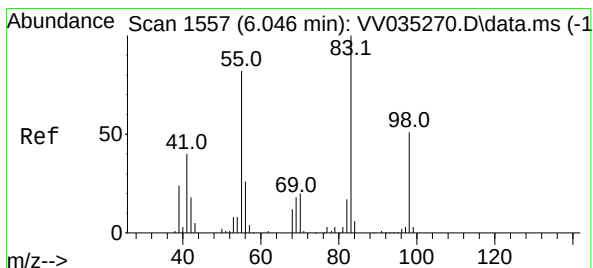
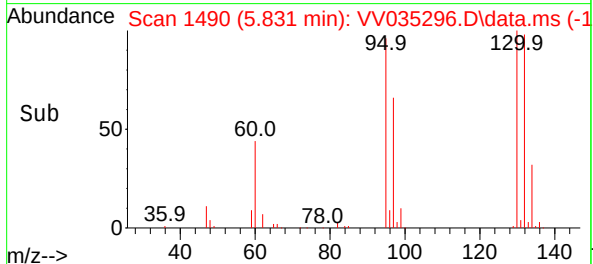
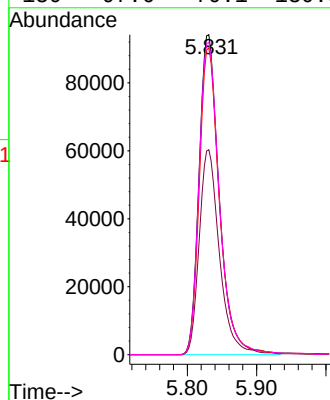
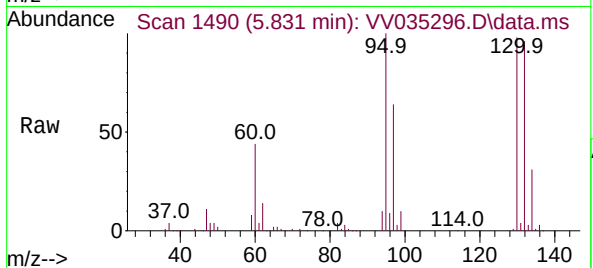
Ion Ratio Lower Upper

95 100

97 64.1 45.3 84.1

132 95.9 65.3 121.3

130 97.6 70.1 130.3



#35

Methylcyclohexane

Concen: 48.686 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

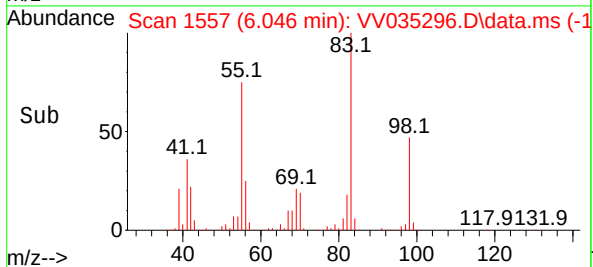
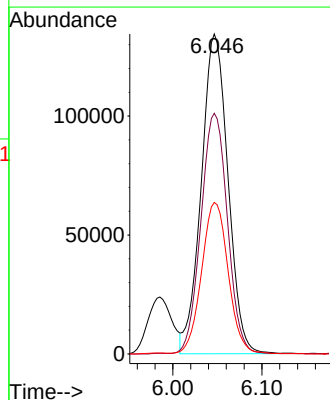
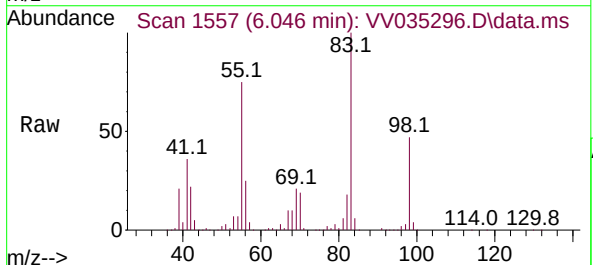
Tgt Ion: 83 Resp: 280423

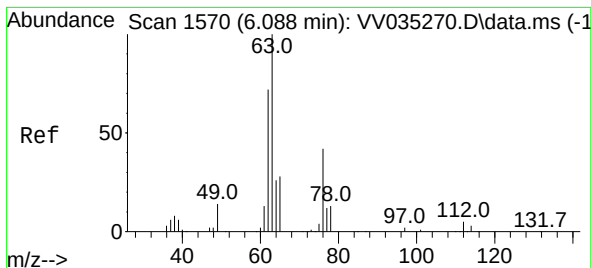
Ion Ratio Lower Upper

83 100

55 74.5 60.0 90.0

98 47.3 37.6 56.4





#37

1,2-Dichloropropane

Concen: 53.999 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

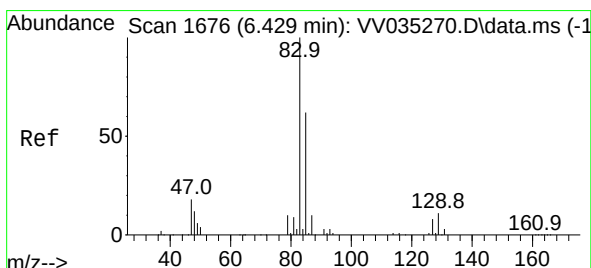
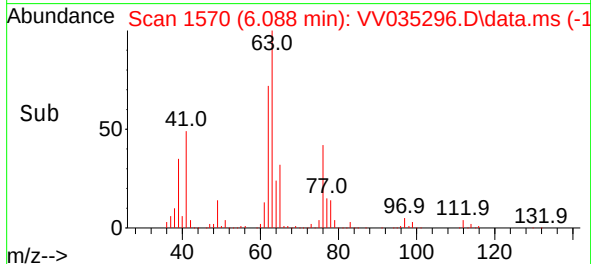
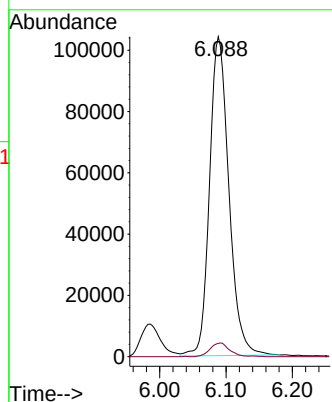
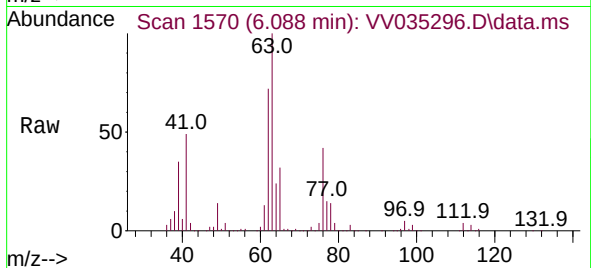
ClientSampleId :

Tgt Ion: 63 Resp: 210887

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 54.106 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

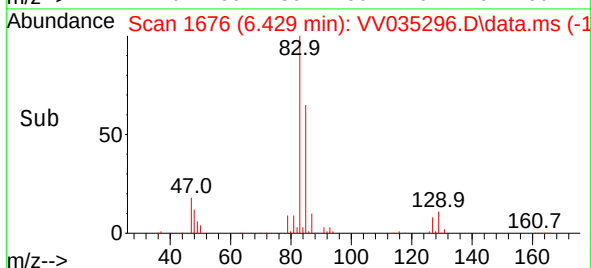
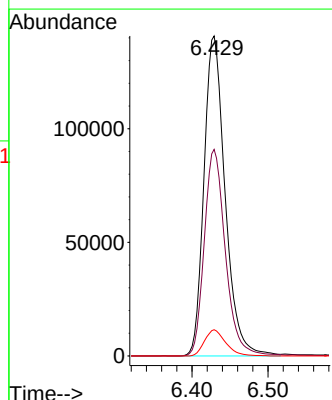
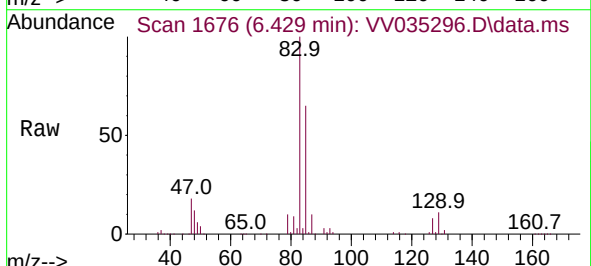
Tgt Ion: 83 Resp: 272637

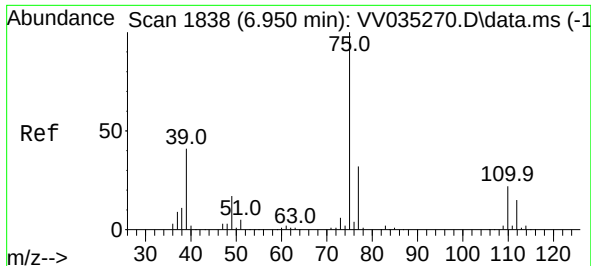
Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

127 8.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 49.958 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

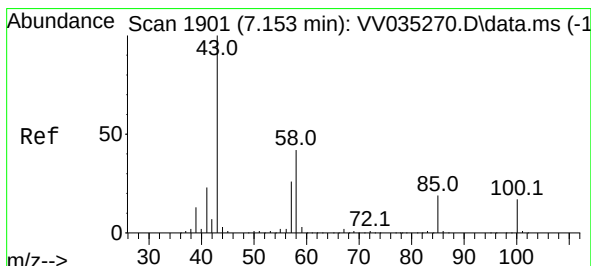
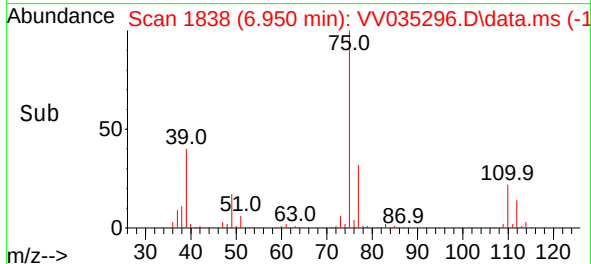
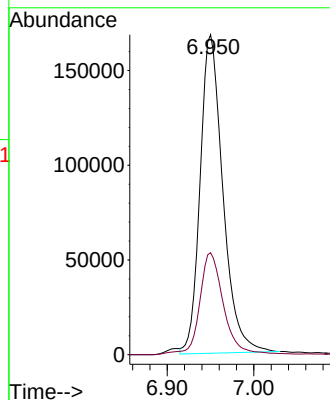
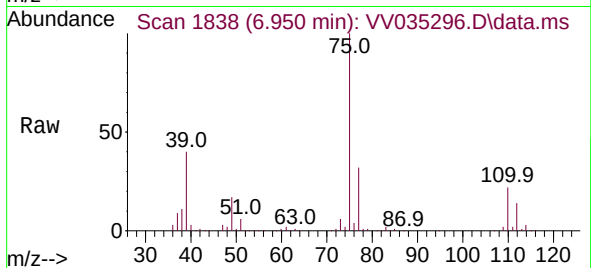
ClientSampleId :

Tgt Ion: 75 Resp: 307354

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 106.073 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

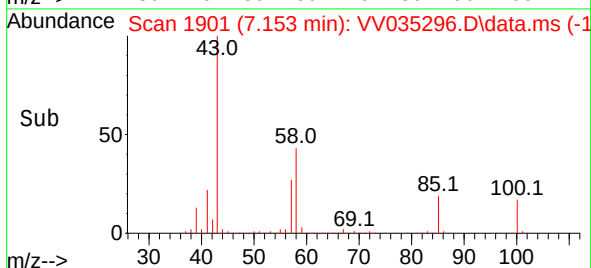
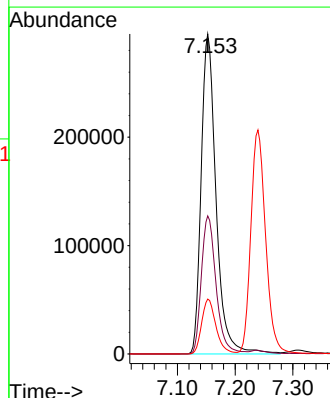
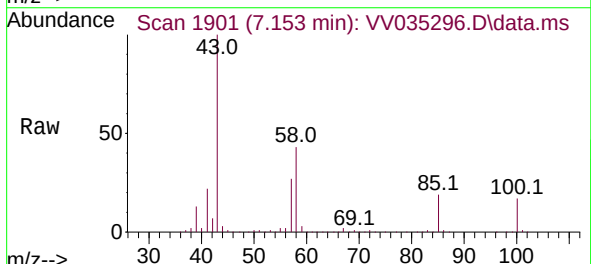
Tgt Ion: 43 Resp: 528905

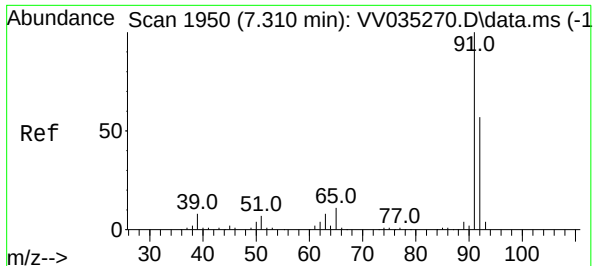
Ion Ratio Lower Upper

43 100

58 42.6 33.8 50.8

100 16.5 13.0 19.4





#42

Toluene

Concen: 52.552 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

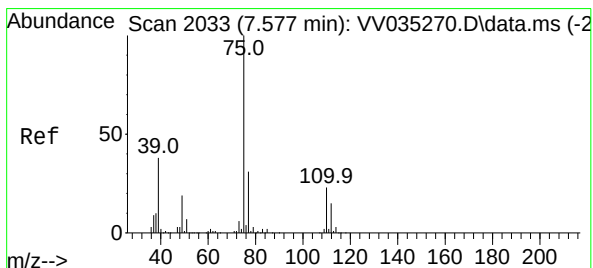
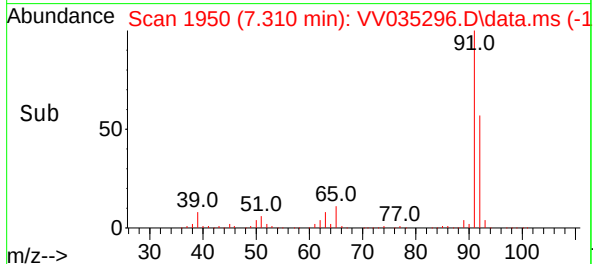
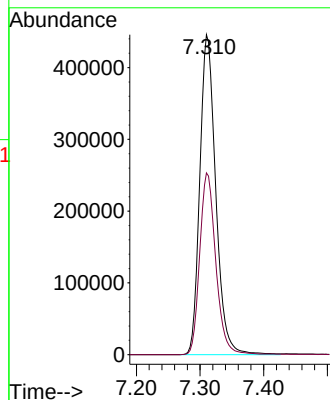
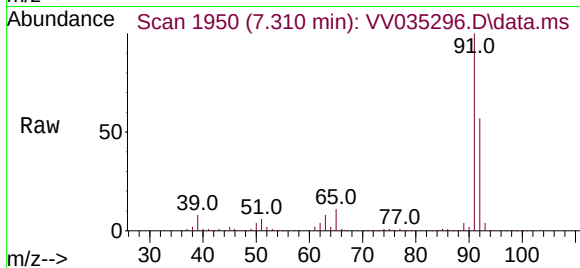
ClientSampleId :

Tgt Ion: 91 Resp: 777515

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 53.192 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035296.D

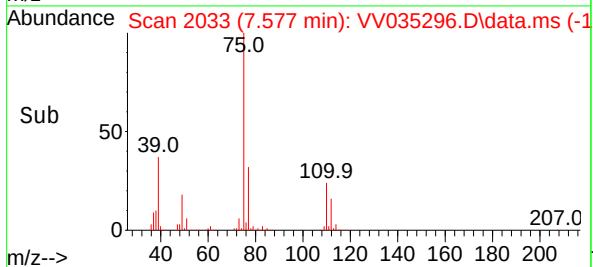
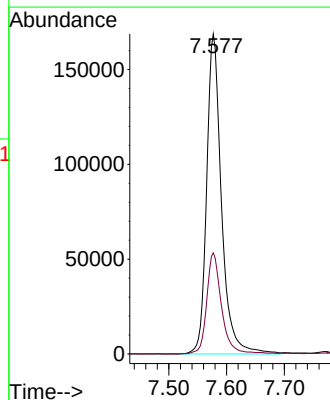
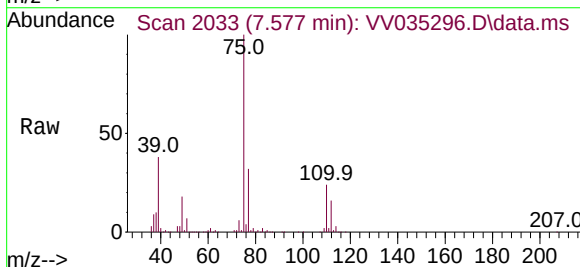
Acq: 19 Apr 2024 10:07

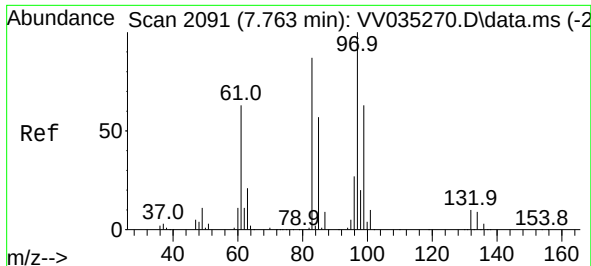
Tgt Ion: 75 Resp: 300646

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 56.390 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 207571

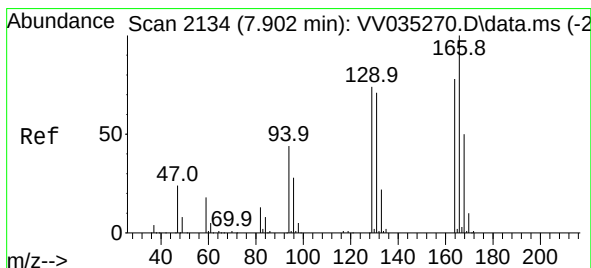
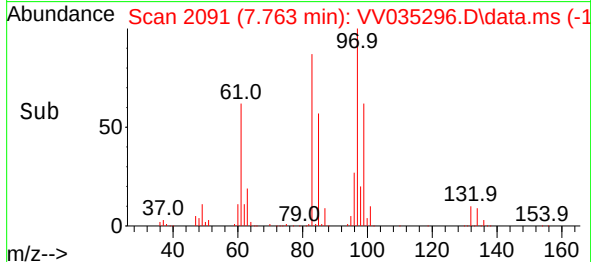
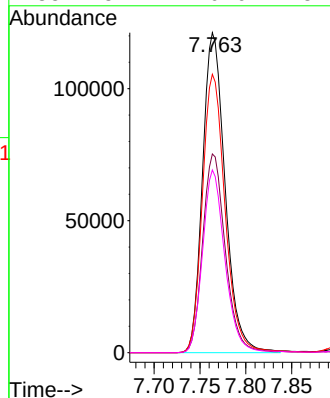
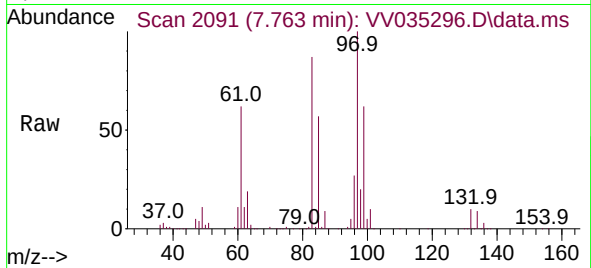
Ion Ratio Lower Upper

97 100

99 62.1 43.3 80.3

83 87.0 61.6 114.4

85 57.1 40.6 75.4



#46

Tetrachloroethene

Concen: 54.664 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Tgt Ion:164 Resp: 145652

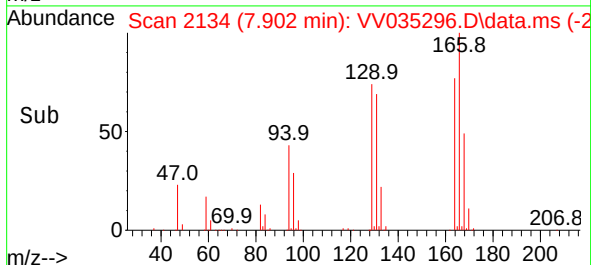
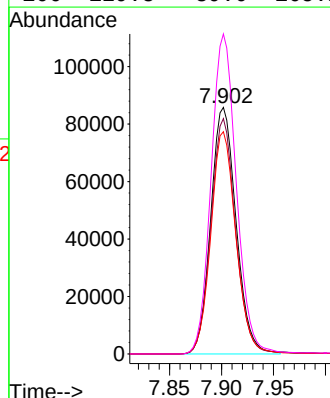
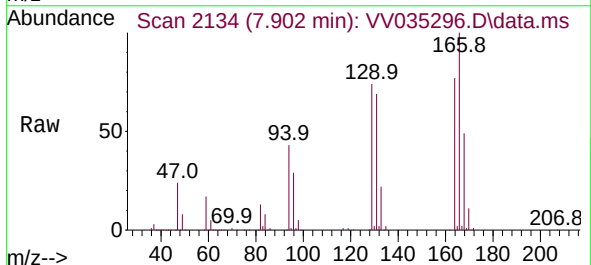
Ion Ratio Lower Upper

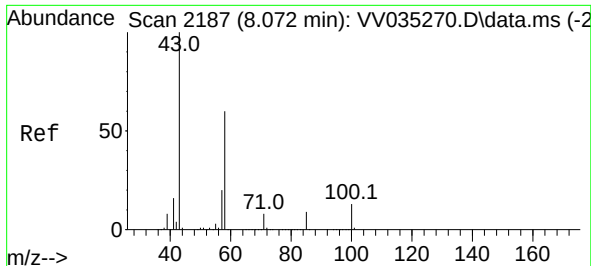
164 100

129 95.5 68.6 127.4

131 90.2 65.7 122.1

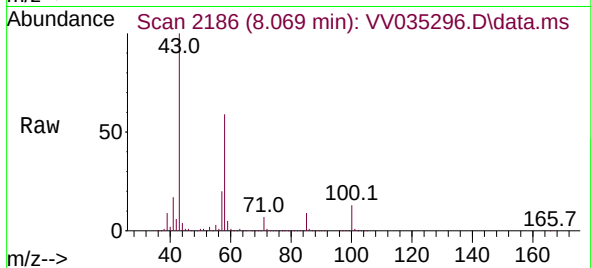
166 129.8 89.0 165.2



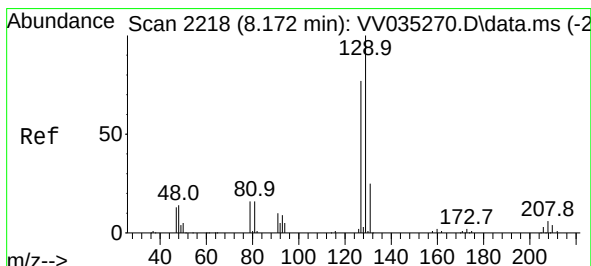
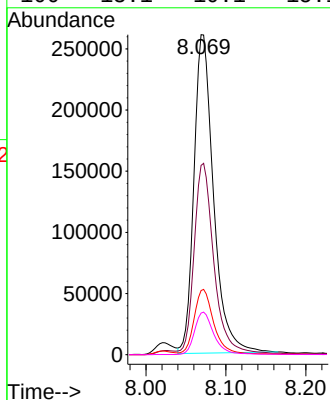
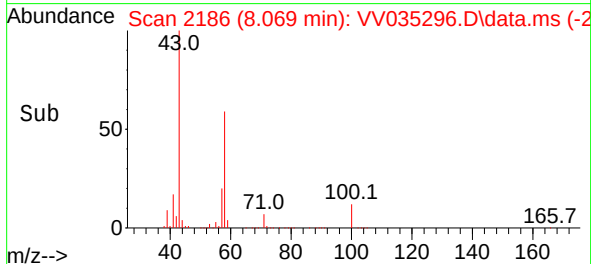


#48
2-Hexanone
Concen: 105.177 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. -0.003 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Instrument :
MSVOA_V
ClientSampleId :

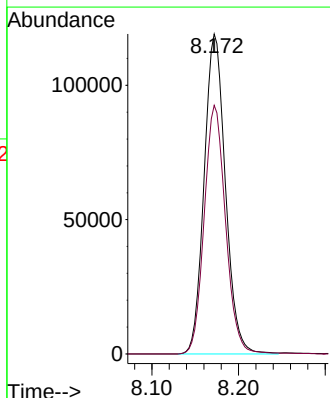
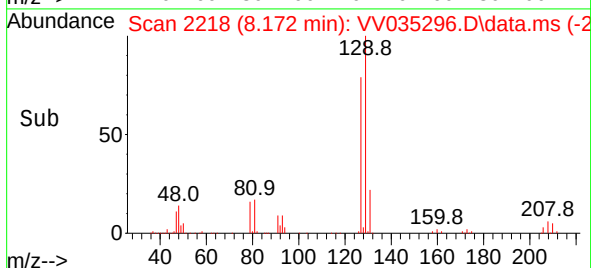
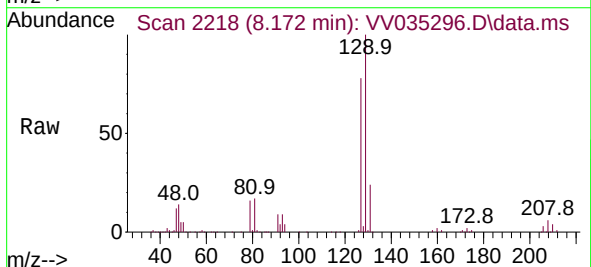


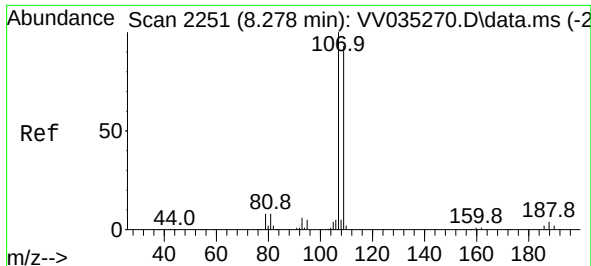
Tgt Ion: 43 Resp: 446039
Ion Ratio Lower Upper
43 100
58 59.7 45.4 68.2
57 20.7 16.2 24.4
100 13.1 10.1 15.1



#49
Dibromochloromethane
Concen: 55.739 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion:129 Resp: 203212
Ion Ratio Lower Upper
129 100
127 77.7 54.1 100.5





#50

1,2-Dibromoethane

Concen: 54.187 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

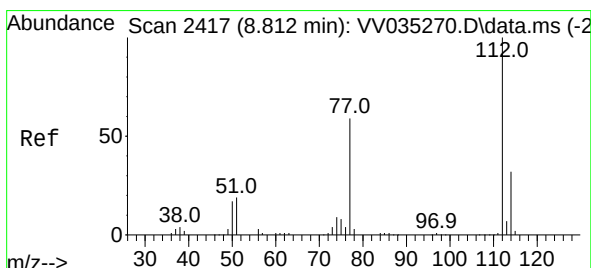
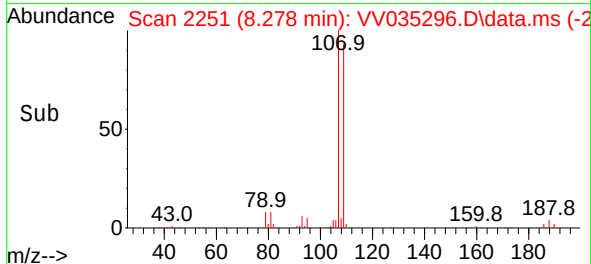
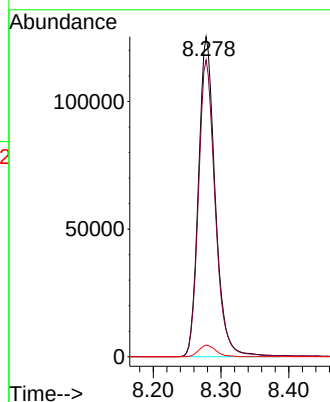
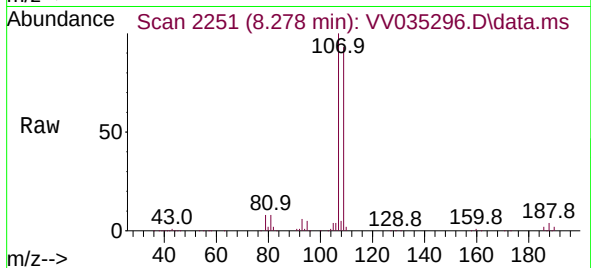
Tgt Ion:107 Resp: 214744

Ion Ratio Lower Upper

107 100

109 92.8 64.5 119.9

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 54.425 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

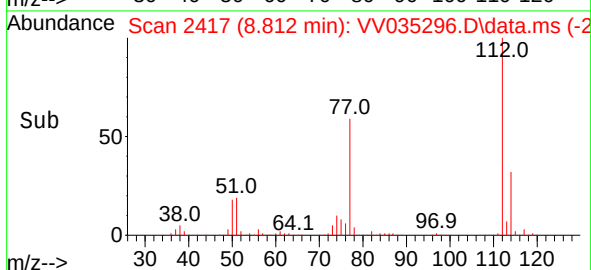
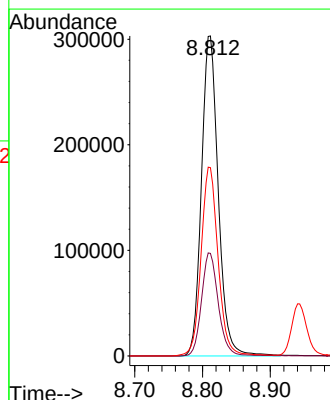
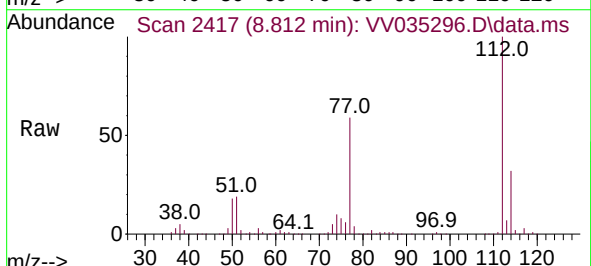
Tgt Ion:112 Resp: 521887

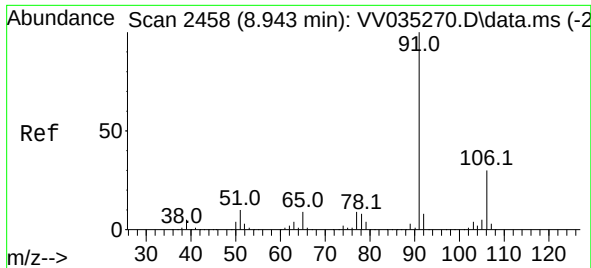
Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

77 58.8 47.4 71.2

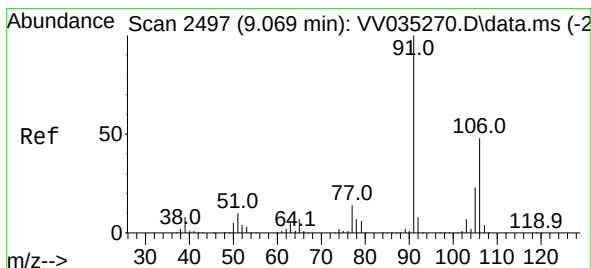
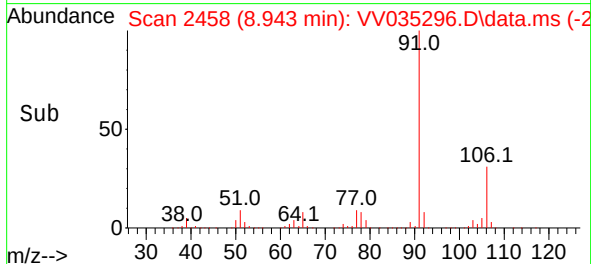
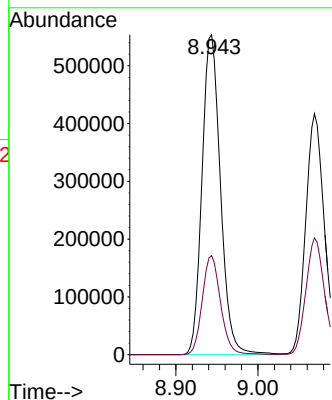
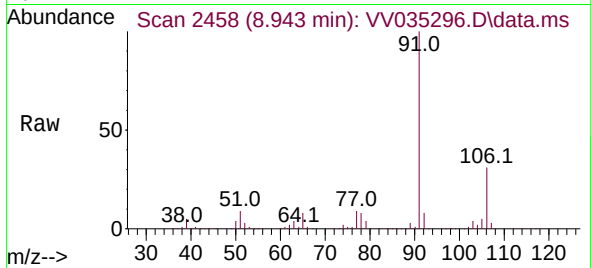




#52
Ethylbenzene
Concen: 52.816 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

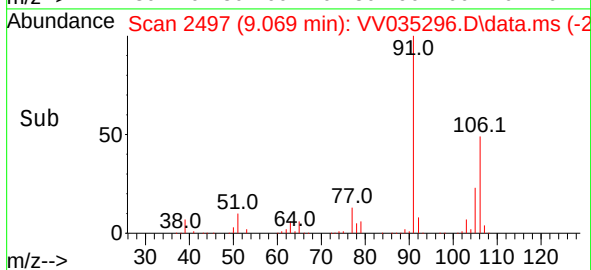
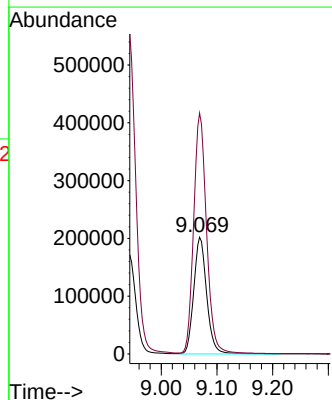
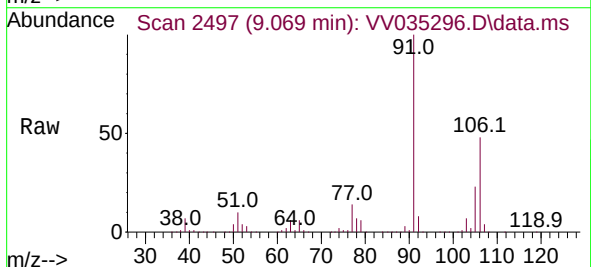
Instrument :
MSVOA_V
ClientSampleId :

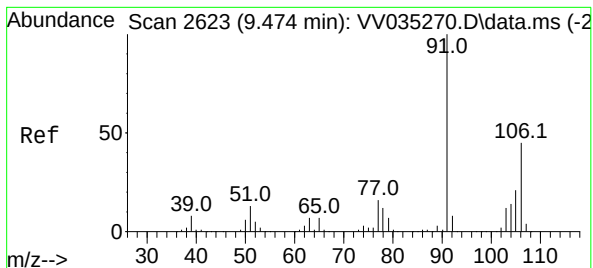
Tgt Ion: 91 Resp: 866028
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.5



#53
m,p-Xylene
Concen: 53.917 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion:106 Resp: 325581
Ion Ratio Lower Upper
106 100
91 206.3 144.8 269.0





#54

o-Xylene

Concen: 53.830 ug/L

RT: 9.474 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

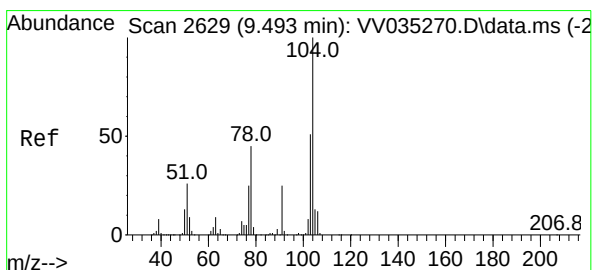
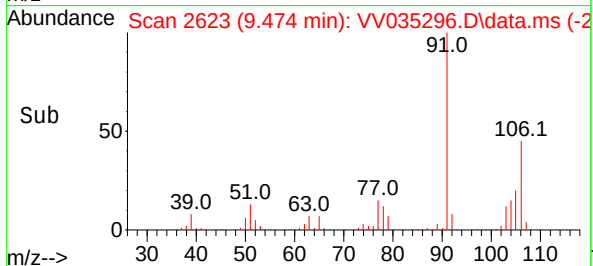
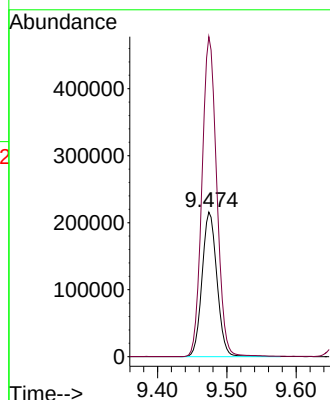
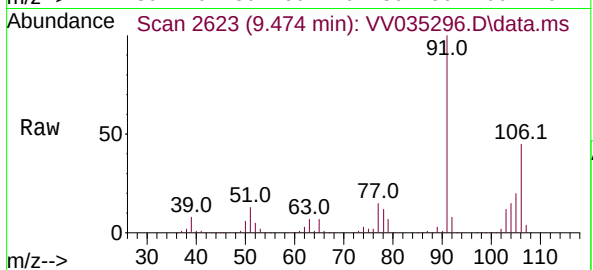
ClientSampleId :

Tgt Ion:106 Resp: 321621

Ion Ratio Lower Upper

106 100

91 221.1 151.3 280.9



#55

Styrene

Concen: 56.872 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV035296.D

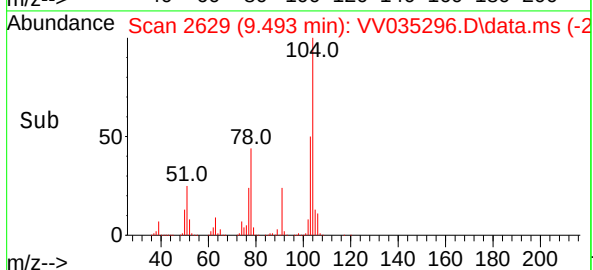
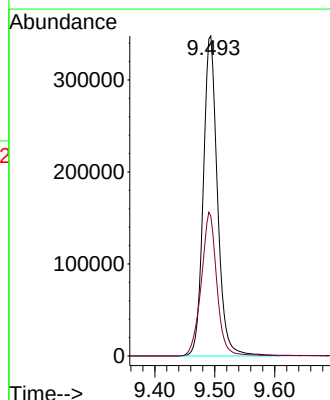
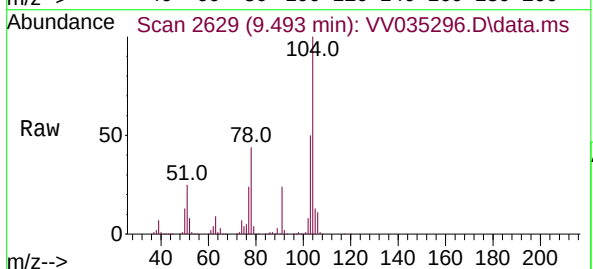
Acq: 19 Apr 2024 10:07

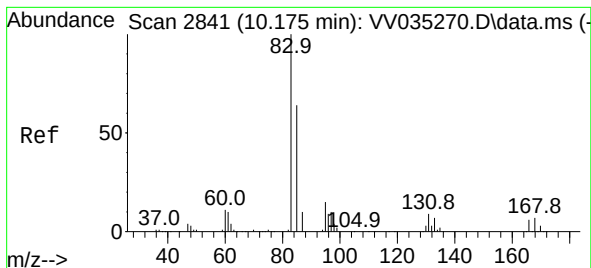
Tgt Ion:104 Resp: 574223

Ion Ratio Lower Upper

104 100

78 43.9 31.5 58.5

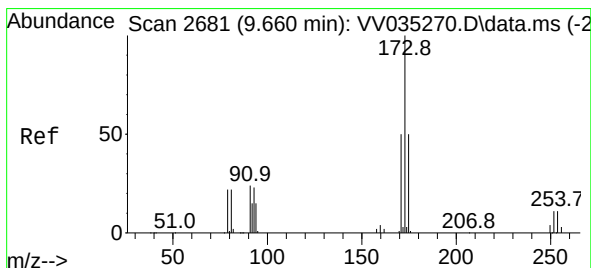
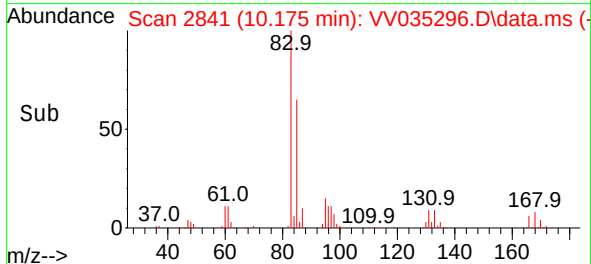
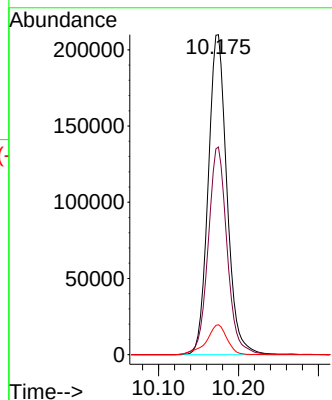
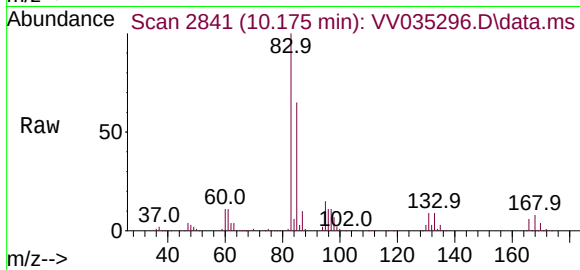




#57
1,1,2,2-Tetrachloroethane
Concen: 57.271 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

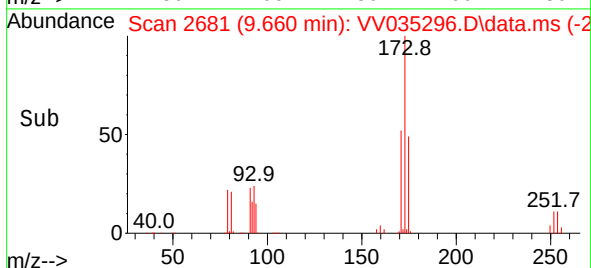
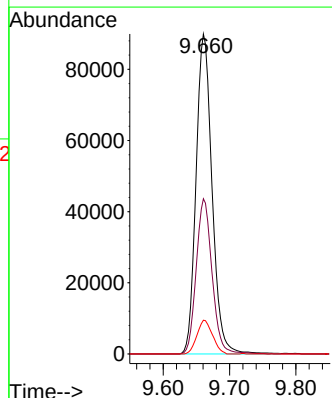
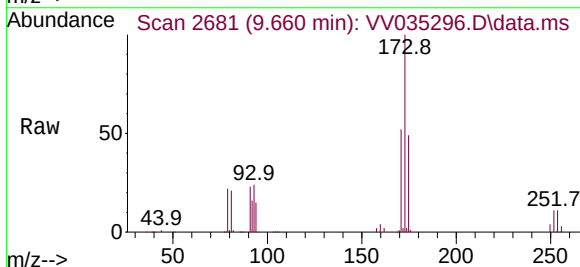
Instrument :
MSVOA_V
ClientSampleId :

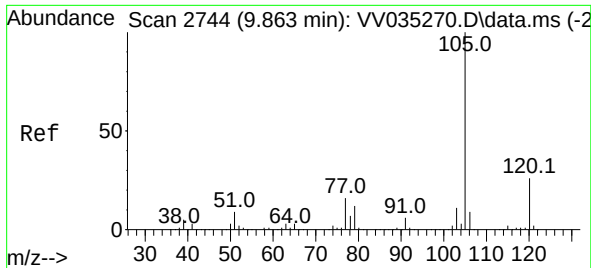
Tgt Ion: 83 Resp: 341567
Ion Ratio Lower Upper
83 100
85 64.9 44.5 82.7
131 9.4 6.9 10.3



#59
Bromoform
Concen: 57.312 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion: 173 Resp: 150755
Ion Ratio Lower Upper
173 100
175 47.9 39.3 58.9
254 10.2 7.5 11.3

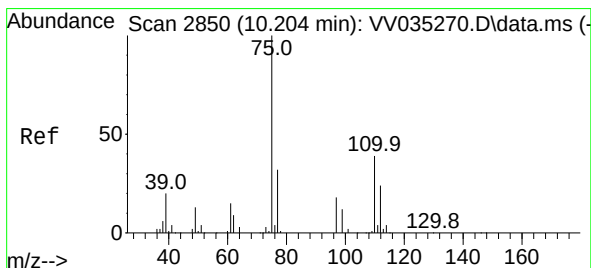
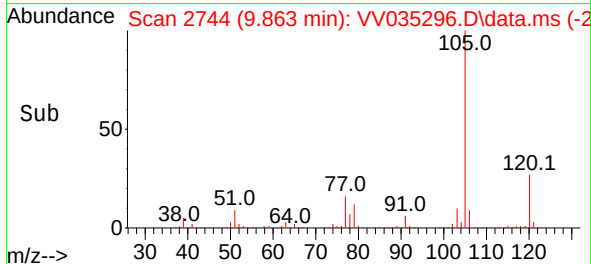
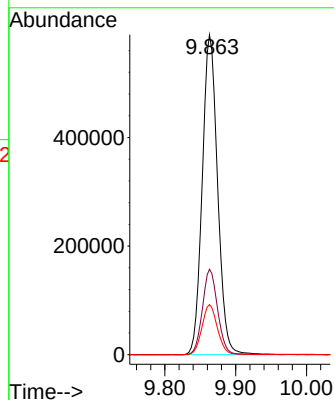
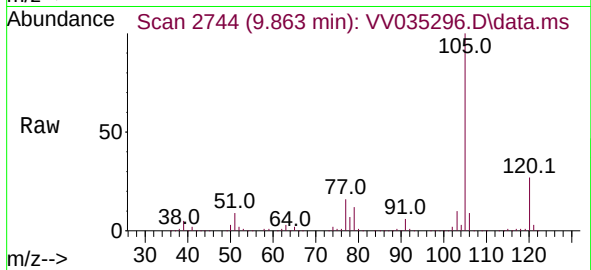




#60
Isopropylbenzene
Concen: 53.449 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

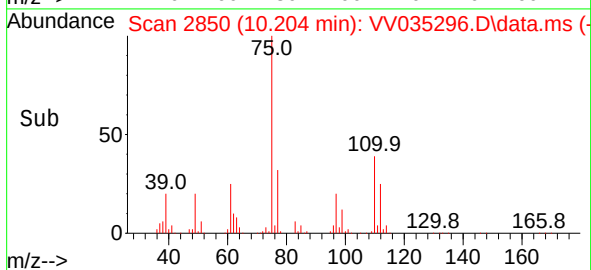
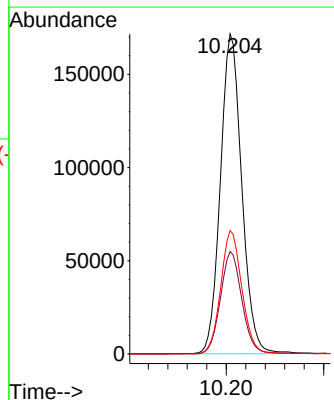
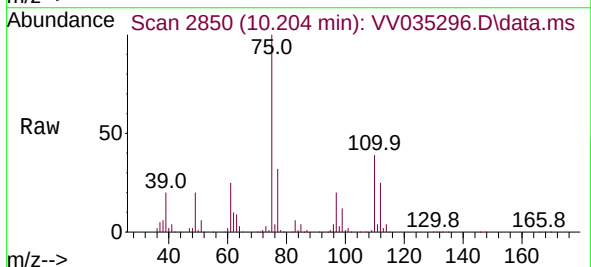
Instrument :
MSVOA_V
ClientSampleId :

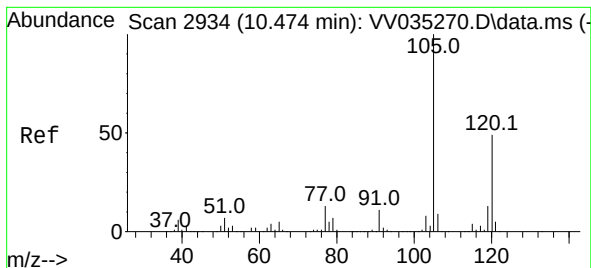
Tgt Ion:105 Resp: 884465
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 15.8 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 52.353 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV035296.D
Acq: 19 Apr 2024 10:07

Tgt Ion: 75 Resp: 260399
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 38.6 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 53.338 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

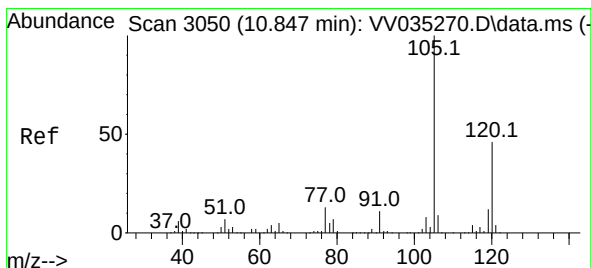
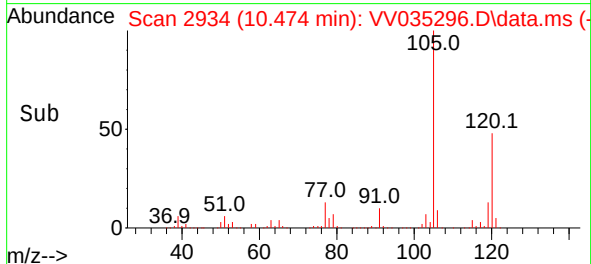
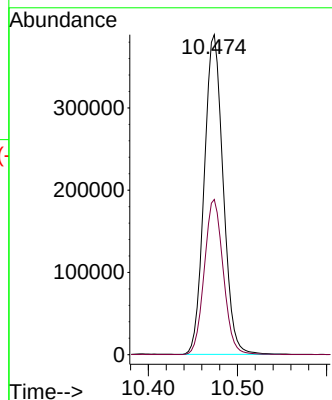
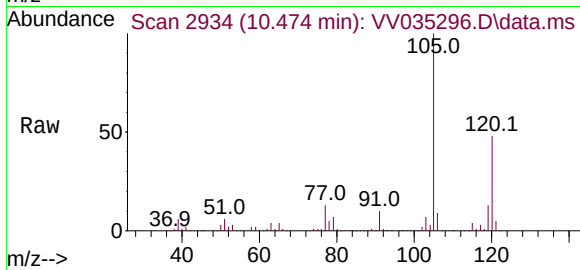
ClientSampleId :

Tgt Ion:105 Resp: 573214

Ion Ratio Lower Upper

105 100

120 48.6 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 53.962 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV035296.D

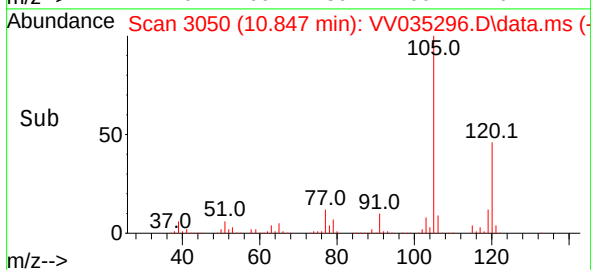
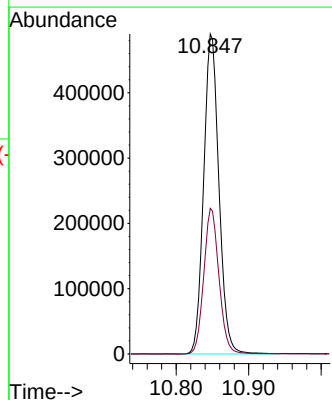
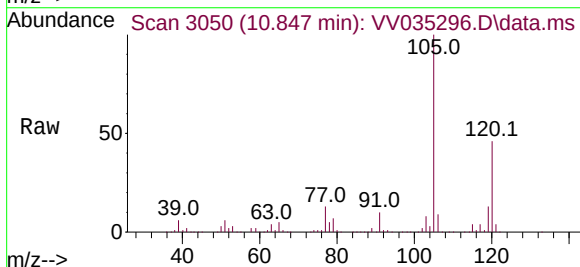
Acq: 19 Apr 2024 10:07

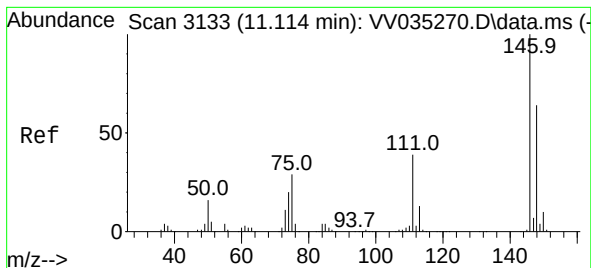
Tgt Ion:105 Resp: 716999

Ion Ratio Lower Upper

105 100

120 45.3 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 54.309 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

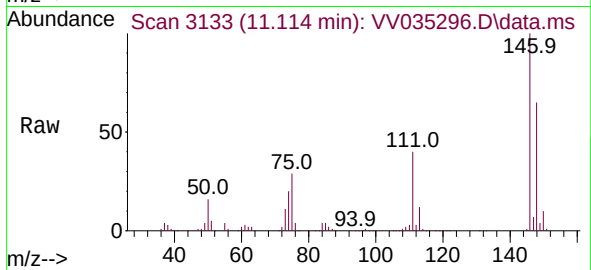
Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :



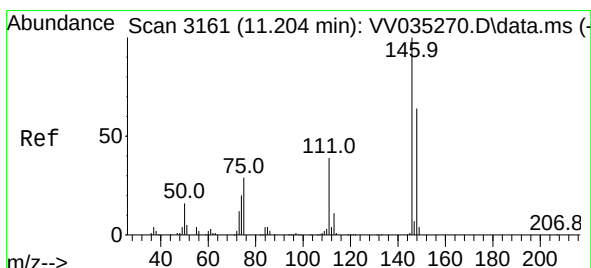
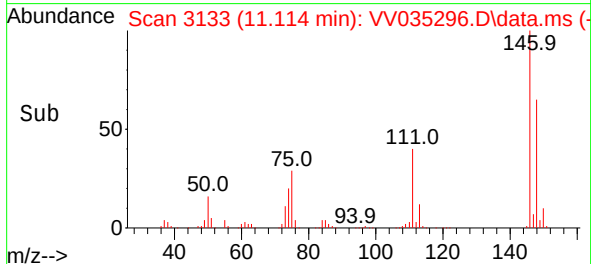
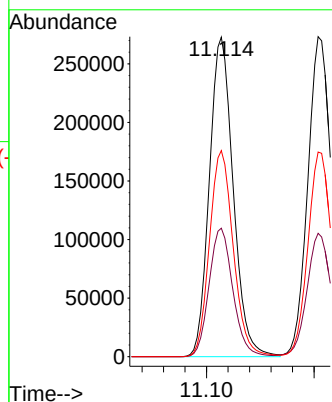
Tgt Ion:146 Resp: 419972

Ion Ratio Lower Upper

146 100

111 40.2 28.7 53.3

148 64.5 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 55.021 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

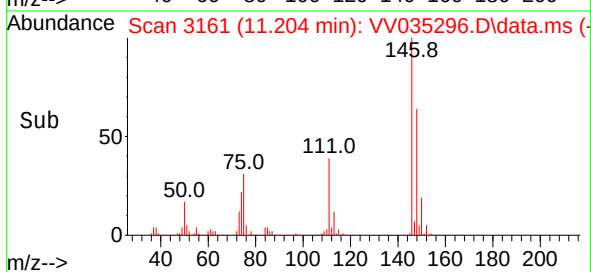
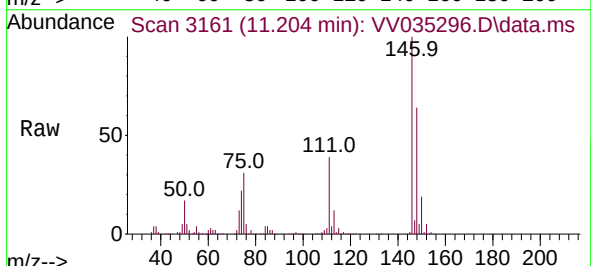
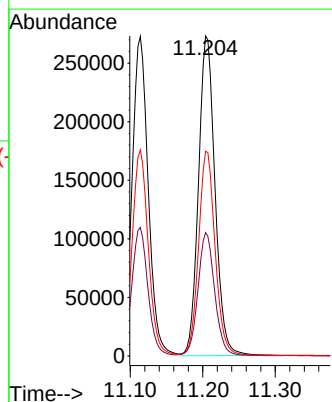
Tgt Ion:146 Resp: 432684

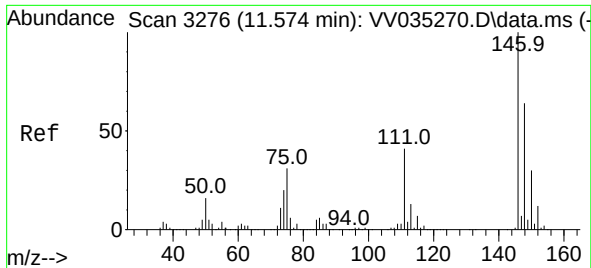
Ion Ratio Lower Upper

146 100

111 38.6 27.4 50.8

148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 56.610 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.003 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

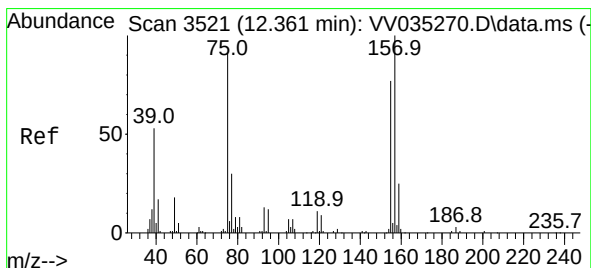
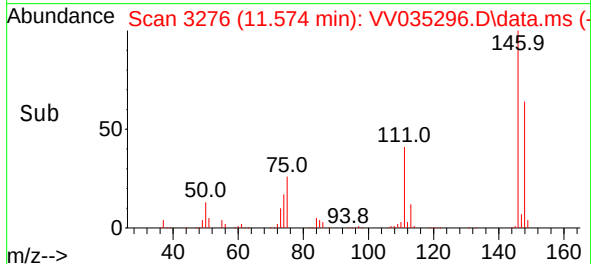
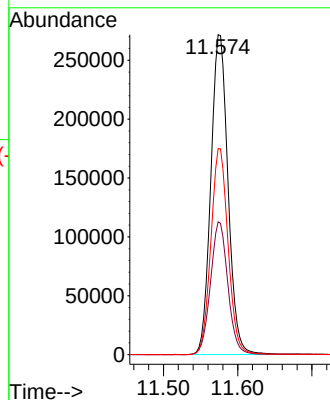
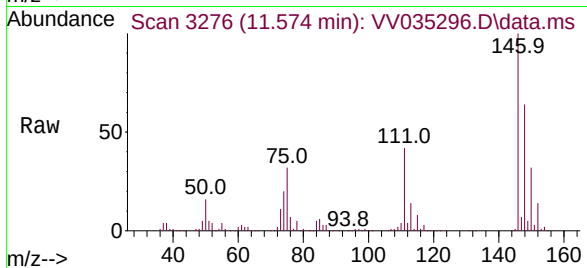
Tgt Ion:146 Resp: 436098

Ion Ratio Lower Upper

146 100

111 41.5 34.6 52.0

148 64.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.048 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

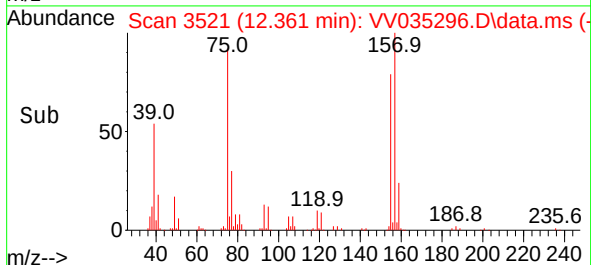
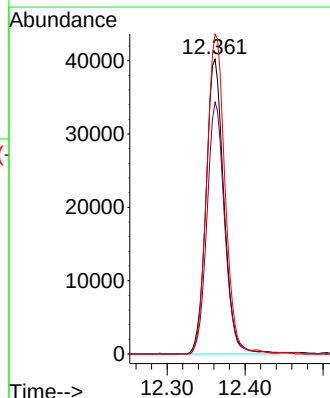
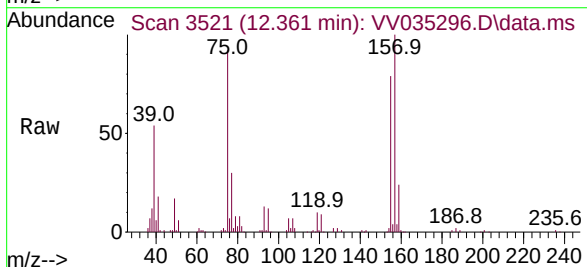
Tgt Ion: 75 Resp: 64471

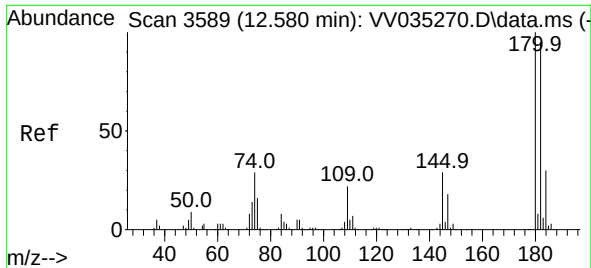
Ion Ratio Lower Upper

75 100

155 85.4 63.0 94.6

157 108.6 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 56.443 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

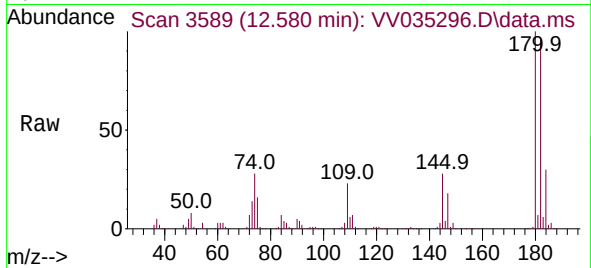
Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 314573

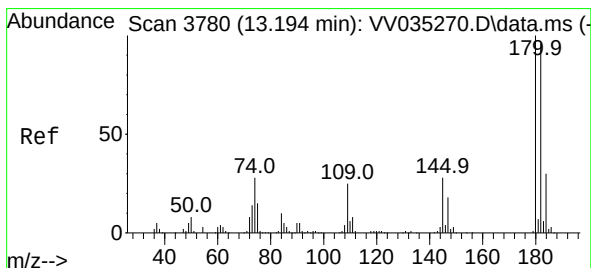
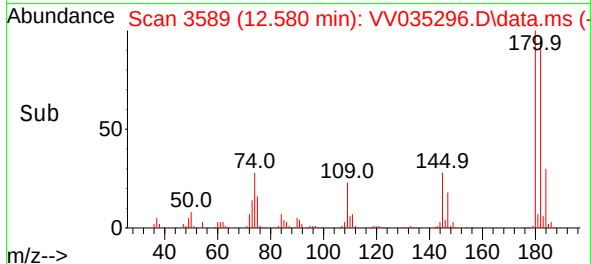
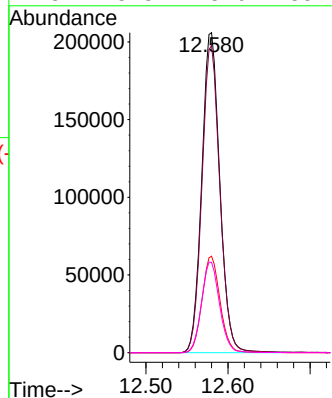
Ion Ratio Lower Upper

180 100

182 95.6 74.7 112.1

184 30.0 24.0 36.0

145 28.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 54.443 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

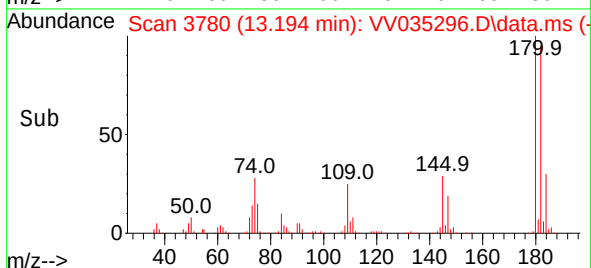
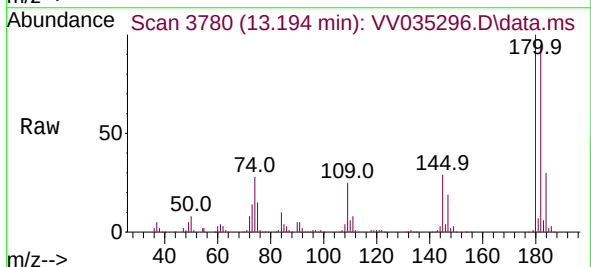
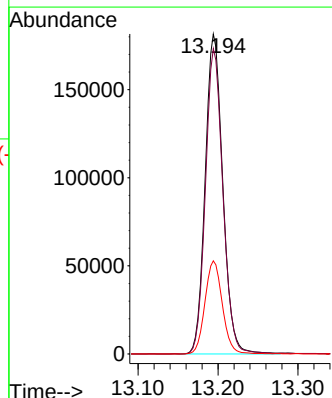
Tgt Ion:180 Resp: 278715

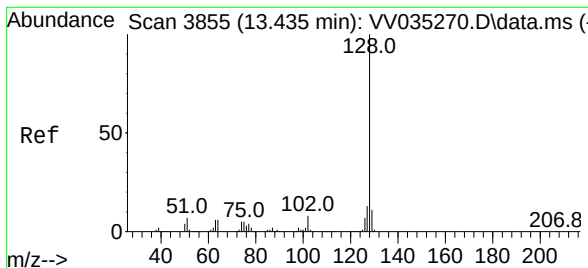
Ion Ratio Lower Upper

180 100

182 94.6 75.6 113.4

145 28.8 24.1 36.1





#71

Naphthalene

Concen: 46.441 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min MSVOA_V

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Instrument :

MSVOA_V

ClientSampleId :

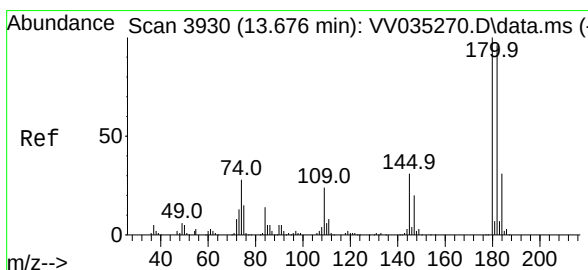
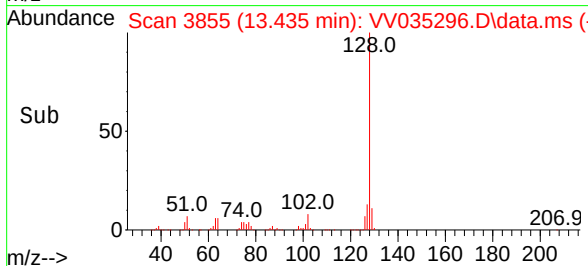
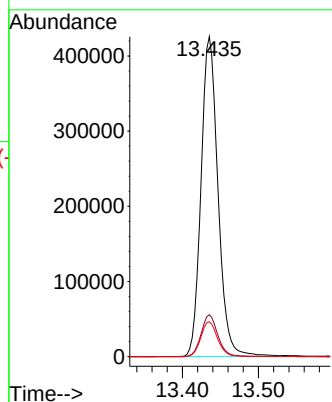
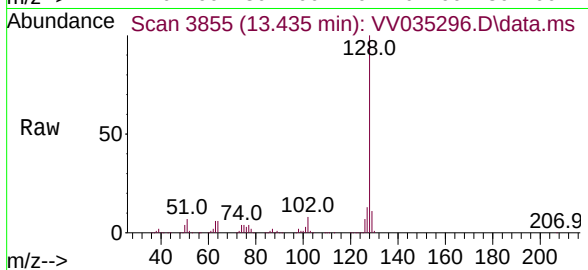
Tgt Ion:128 Resp: 659624

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.697 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035296.D

Acq: 19 Apr 2024 10:07

Tgt Ion:180 Resp: 276017

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 31.1 25.8 38.6

