

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052024\
 Data File : VV035631.D
 Acq On : 20 May 2024 12:24
 Operator : SY/MD
 Sample : P2409-03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 02:12:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 21 02:11:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	385883	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	399881	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	199723	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	128844	21.603	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.400%
7) Chloroethane-d5	1.526	69	113419	23.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.280%
11) 1,1-Dichloroethene-d2	2.050	65	59599	22.571	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.280%
21) 2-Butanone-d5	3.838	46	83265	49.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.380%
24) Chloroform-d	4.243	84	280243	24.428	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.720%
26) 1,2-Dichloroethane-d4	4.937	65	150588	26.552	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	4.953	84	518702	23.697	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.986	67	174274	25.799	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.200%
41) Toluene-d8	7.239	98	431123	22.130	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.520%
43) trans-1,3-Dichloroprop...	7.555	79	64832	22.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	8.030	63	60035	49.424	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	163107	25.057	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	180413	26.029	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.120%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.101	85	10502	1.339 ug/L	97
3) Chloromethane	1.211	50	13268	1.684 ug/L	99
5) Vinyl chloride	1.275	62	11418	1.403 ug/L #	82
6) Bromomethane	1.481	94	7384	1.433 ug/L	98
8) Chloroethane	1.545	64	6712	1.338 ug/L	98
9) Trichlorofluoromethane	1.706	101	14642	1.378 ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	10814	1.614 ug/L	88
12) 1,1-Dichloroethene	2.063	96	9660	1.596 ug/L #	1
14) Carbon disulfide	2.233	76	26220	1.368 ug/L	97
16) Methylene chloride	2.442	84	25278	2.841 ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	7883	1.173 ug/L	88
18) Methyl tert-butyl Ether	2.703	73	18926	1.168 ug/L	99
19) 1,1-Dichloroethane	3.108	63	16182	1.284 ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	8231	1.130 ug/L	90
23) Bromochloromethane	4.153	128	4161	1.181 ug/L	92
25) Chloroform	4.272	83	21047	1.618 ug/L	94
27) 1,2-Dichloroethane	5.059	62	8757	1.081 ug/L	97
29) Cyclohexane	4.574	56	10525	1.101 ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	14011	1.264 ug/L	99

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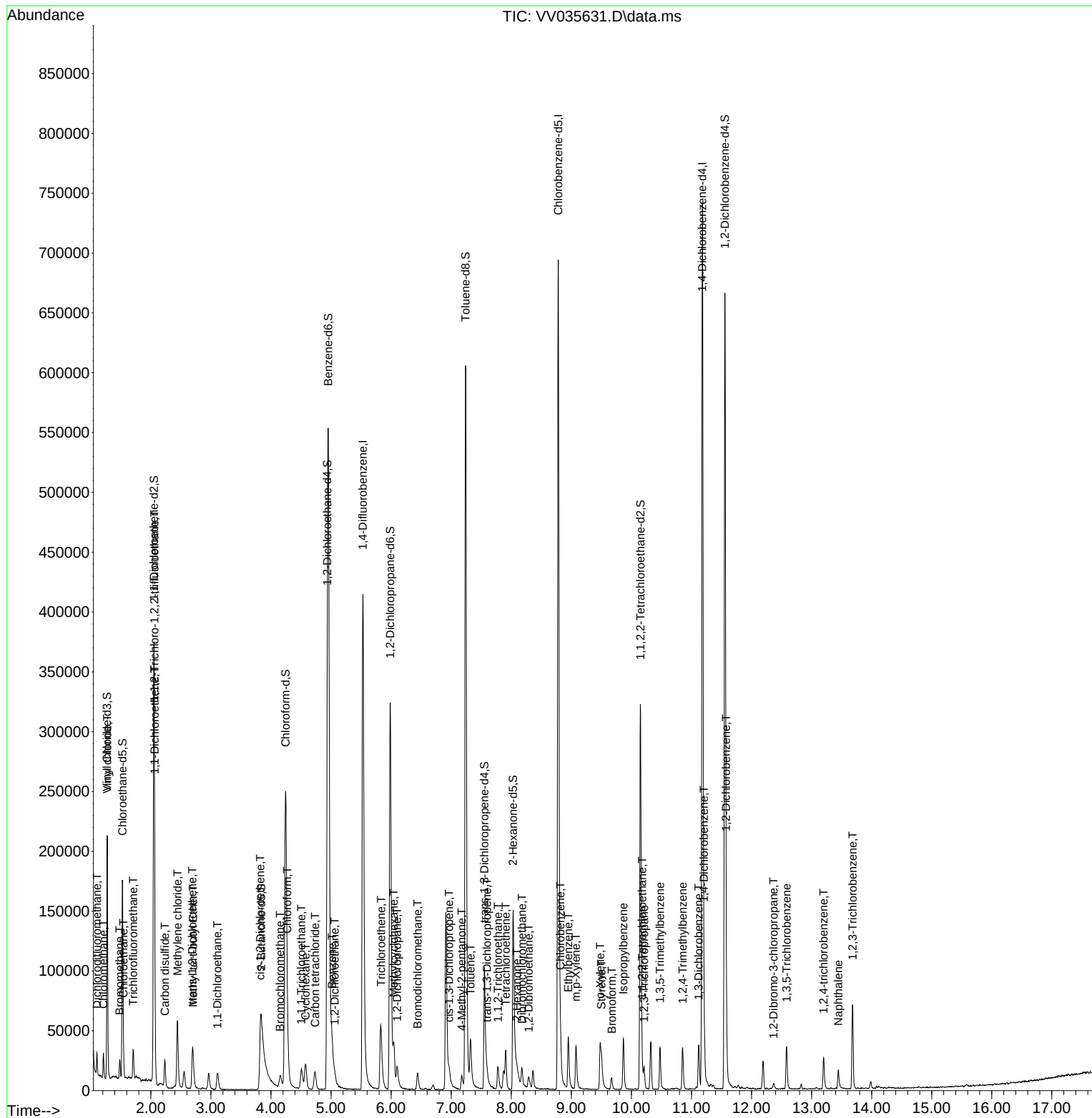
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	4.735	117	12276	1.262	ug/L	99
33) Benzene	5.014	78	32927	1.244	ug/L	100
34) Trichloroethene	5.834	95	9995	1.335	ug/L	94
35) Methylcyclohexane	6.043	83	11470	1.009	ug/L #	88
37) 1,2-Dichloropropane	6.098	63	8118	1.176	ug/L	98
38) Bromodichloromethane	6.439	83	11608	1.241	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	10426	0.965	ug/L	85
40) 4-Methyl-2-pentanone	7.175	43	7117	1.721	ug/L	90
42) Toluene	7.323	91	33470	1.195	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	9722	1.029	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	6943	1.183	ug/L	95
46) Tetrachloroethene	7.908	164	8000	1.315	ug/L	90
48) 2-Hexanone	8.098	43	6510	2.100	ug/L #	89
49) Dibromochloromethane	8.178	129	8002	1.209	ug/L	98
50) 1,2-Dibromoethane	8.291	107	7670	1.327	ug/L	89
51) Chlorobenzene	8.818	112	24082	1.239	ug/L	99
52) Ethylbenzene	8.950	91	32132	1.039	ug/L	100
53) m,p-Xylene	9.079	106	10759	0.917	ug/L	98
54) o-Xylene	9.481	106	10161	0.914	ug/L	95
55) Styrene	9.503	104	16446	0.848	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	8781	1.229	ug/L #	93
59) Bromoform	9.673	173	5059	1.289	ug/L #	96
60) Isopropylbenzene	9.866	105	27228	1.023	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	7132	1.524	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.477	105	19326	0.926	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	19173	0.894	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	16599	1.189	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	18136	1.255	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	17992	1.369	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	1413	1.302	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	12298	1.127	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	9226	1.013	ug/L	99
71) Naphthalene	13.445	128	14146	0.884	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	8237	1.005	ug/L	98

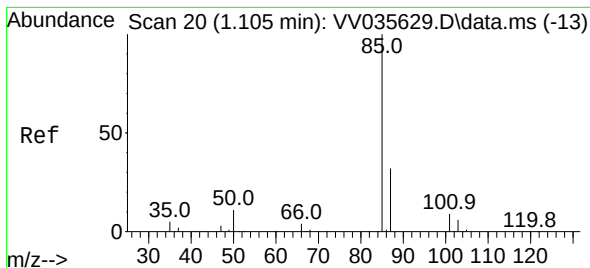
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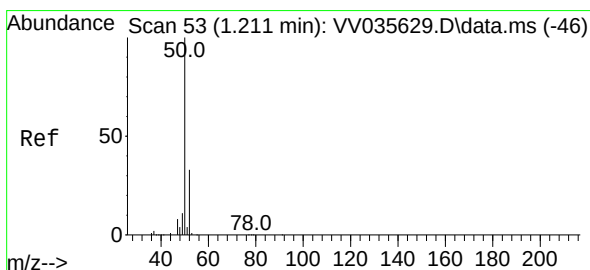
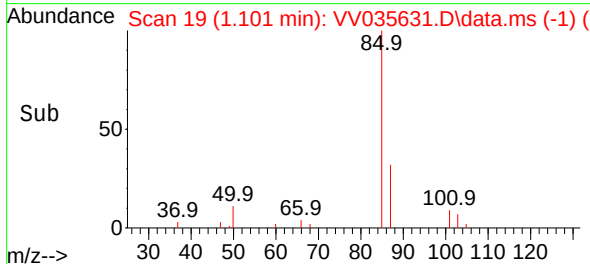
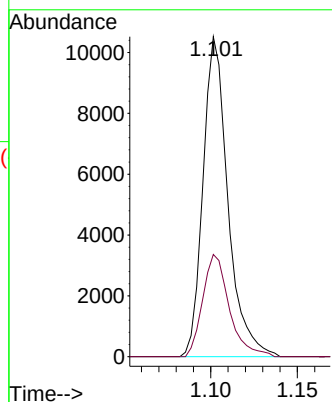
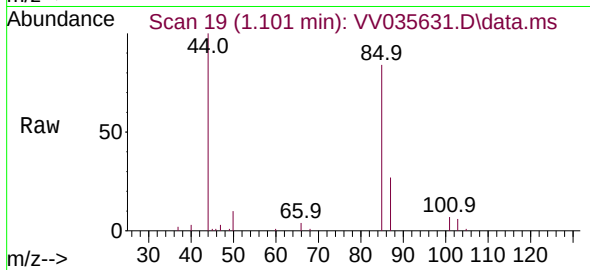




#2
 Dichlorodifluoromethane
 Concen: 1.339 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

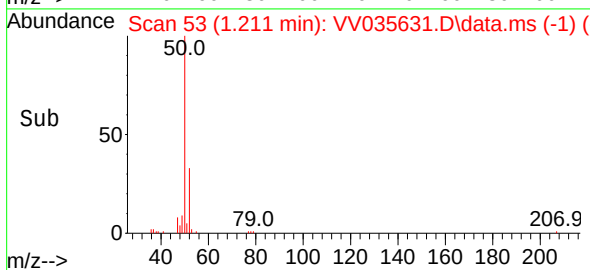
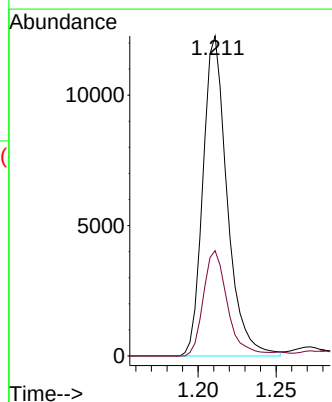
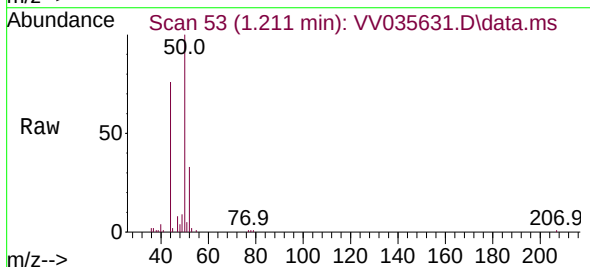
Instrument :
 MSVOA_V
 ClientSampleId :

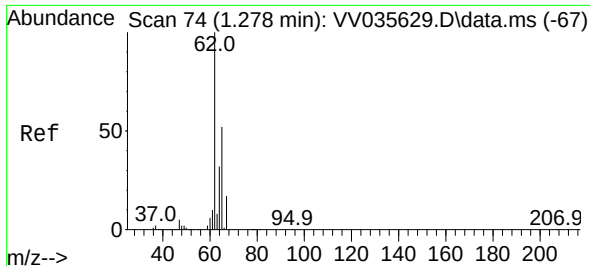
Tgt Ion: 85 Resp: 10502
 Ion Ratio Lower Upper
 85 100
 87 34.1 25.8 38.6



#3
 Chloromethane
 Concen: 1.684 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

Tgt Ion: 50 Resp: 13268
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.7 42.1

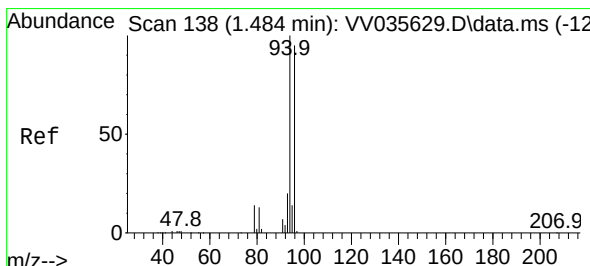
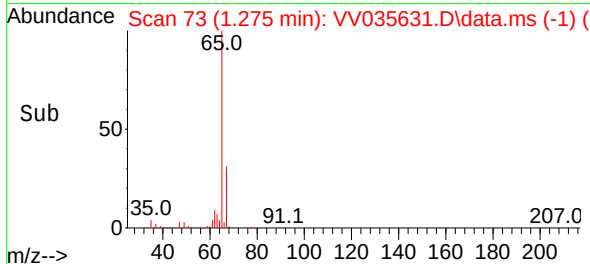
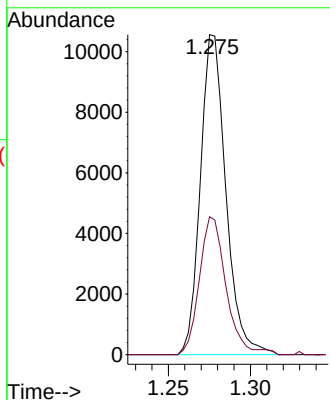
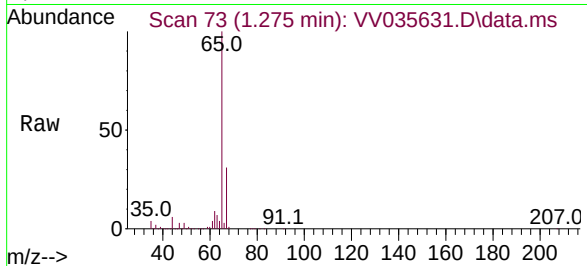




#5
 Vinyl chloride
 Concen: 1.403 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

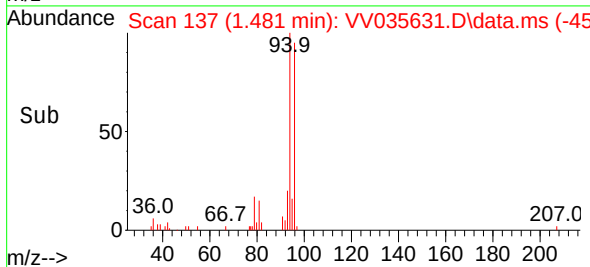
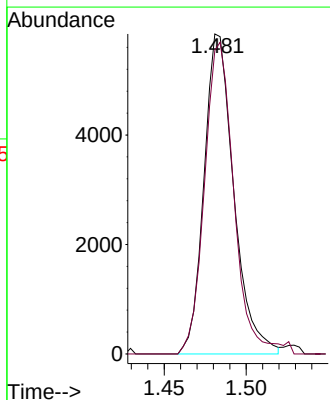
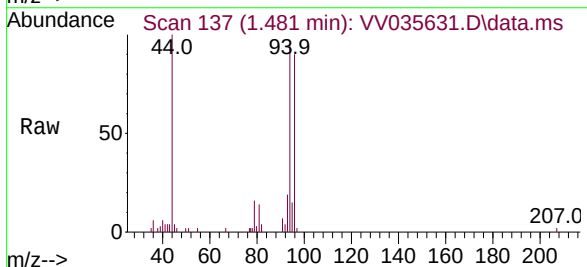
Instrument :
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 ClientSampleId :

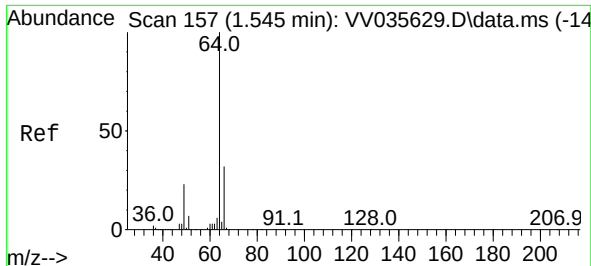
Tgt Ion: 62 Resp: 11418
 Ion Ratio Lower Upper
 62 100
 64 43.1 23.0 42.6#



#6
 Bromomethane
 Concen: 1.433 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

Tgt Ion: 94 Resp: 7384
 Ion Ratio Lower Upper
 94 100
 96 94.9 65.2 121.0

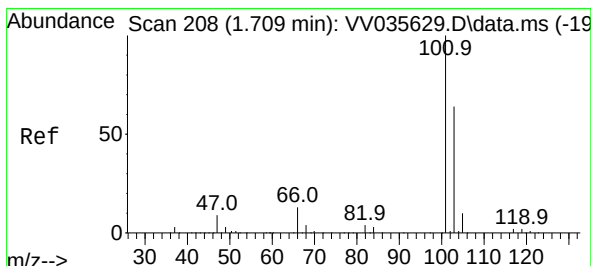
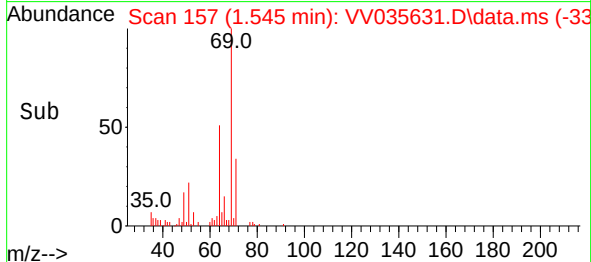
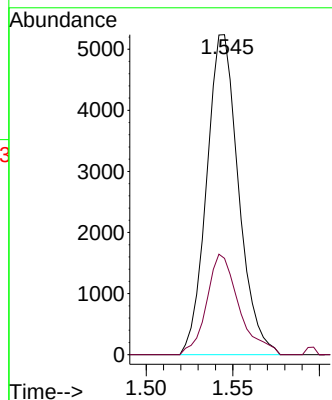
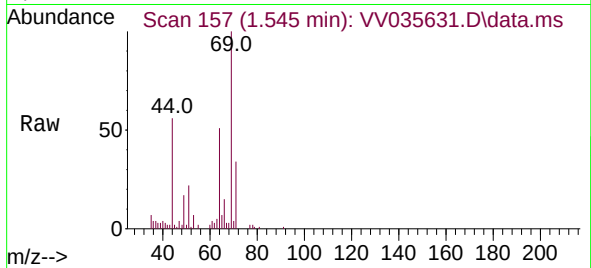




#8
Chloroethane
Concen: 1.338 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

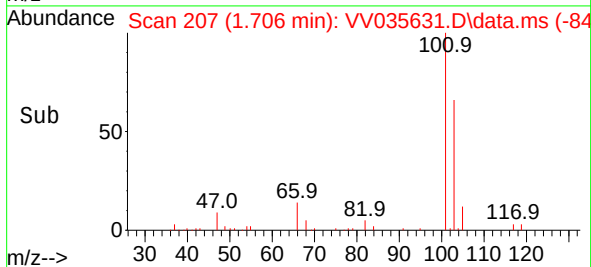
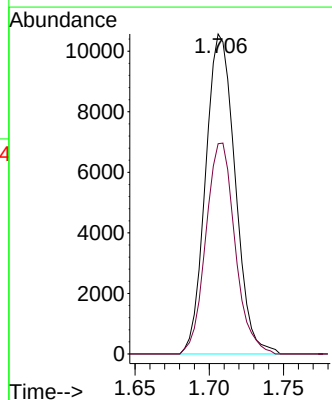
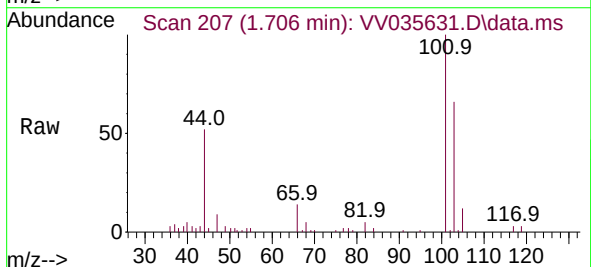
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ClientSampleId :

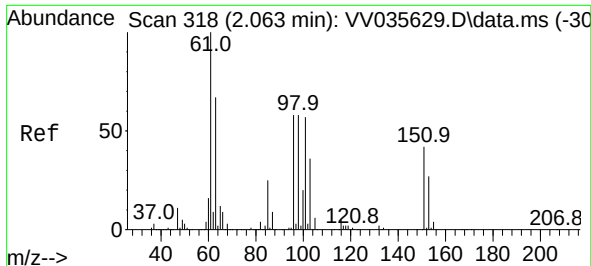
Tgt Ion: 64 Resp: 6712
Ion Ratio Lower Upper
64 100
66 30.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.378 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion:101 Resp: 14642
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3

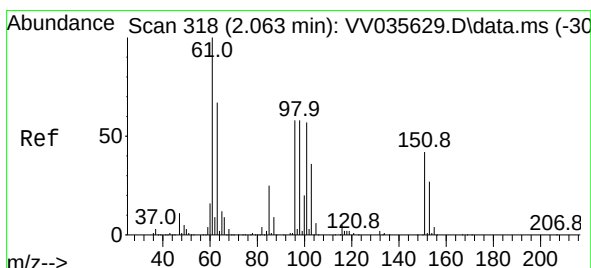
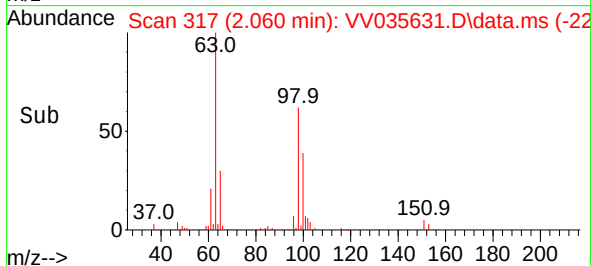
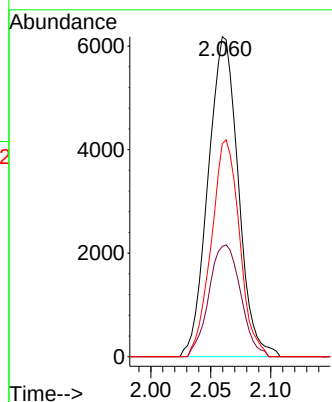
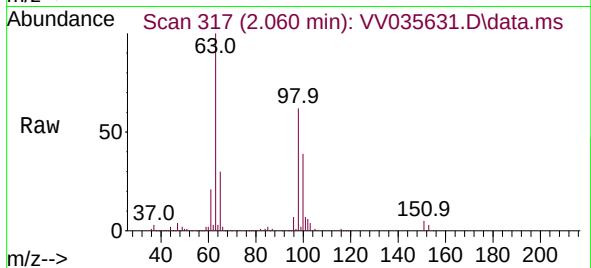




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.614 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

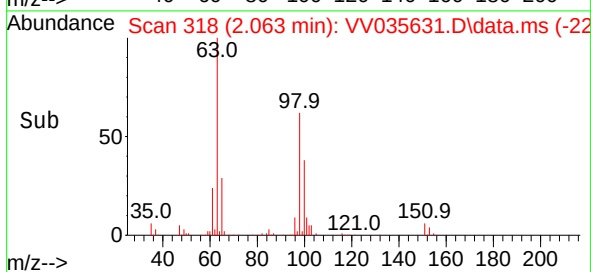
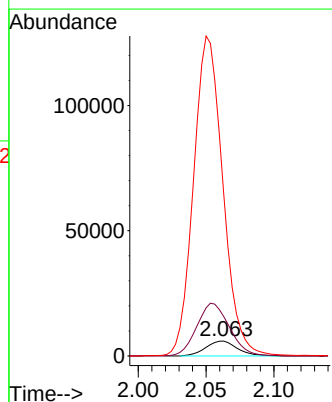
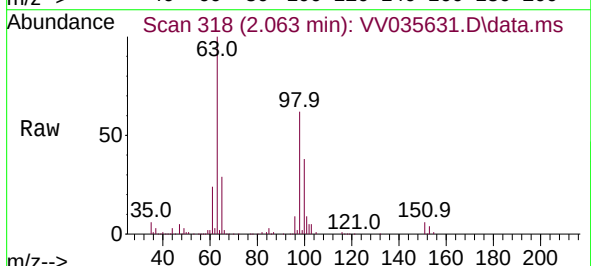
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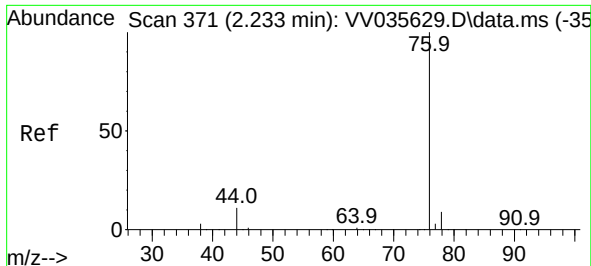
Tgt Ion:101 Resp: 10814
Ion Ratio Lower Upper
101 100
85 36.7 34.2 51.4
151 63.3 59.5 89.3



#12
1,1-Dichloroethene
Concen: 1.596 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
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Tgt Ion: 96 Resp: 9660
Ion Ratio Lower Upper
96 100
61 266.7 119.8 222.4#
63 1104.7 75.6 140.4#





#14

Carbon disulfide

Concen: 1.368 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

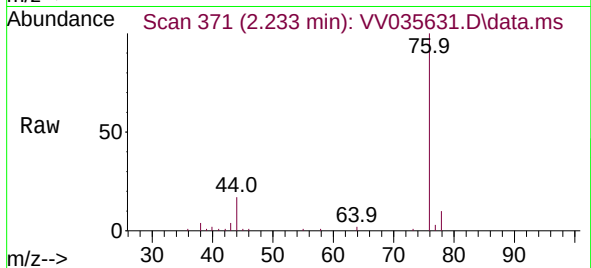
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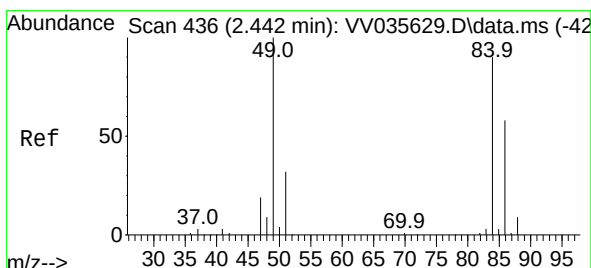
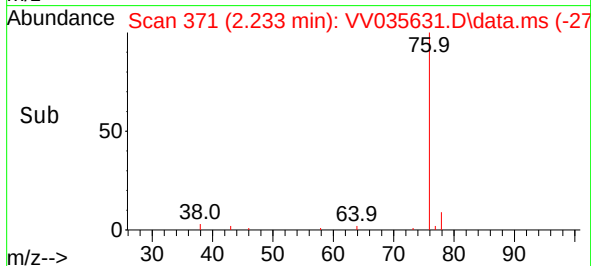
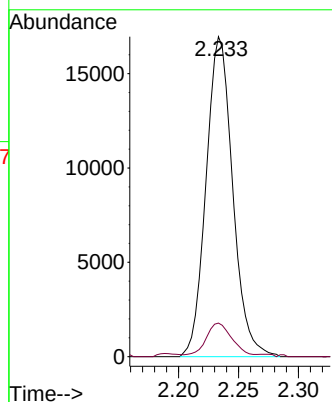


Tgt Ion: 76 Resp: 26220

Ion Ratio Lower Upper

76 100

78 10.5 7.5 11.3



#16

Methylene chloride

Concen: 2.841 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

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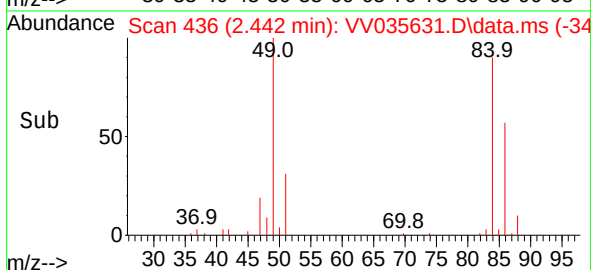
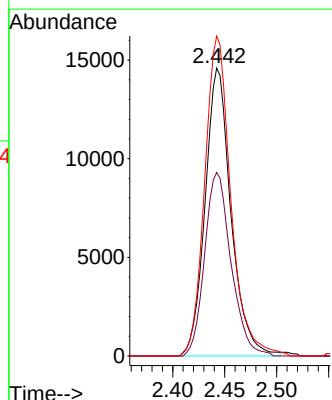
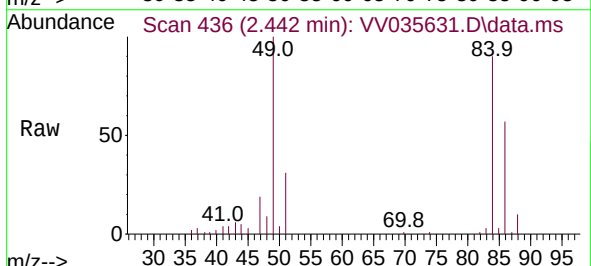
Tgt Ion: 84 Resp: 25278

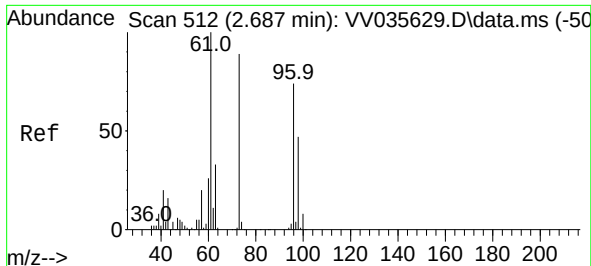
Ion Ratio Lower Upper

84 100

86 63.8 43.8 81.3

49 111.2 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 1.173 ug/L

RT: 2.693 min Scan# 51

Delta R.T. 0.006 min

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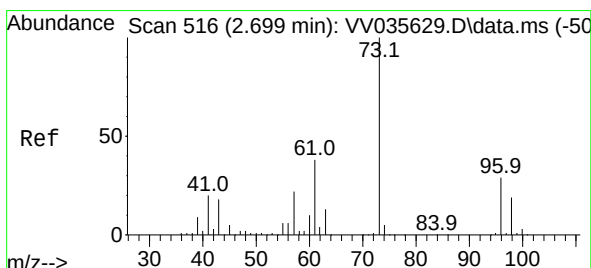
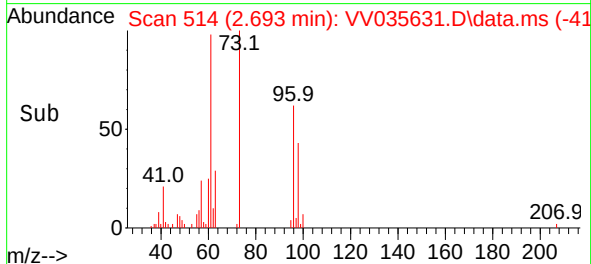
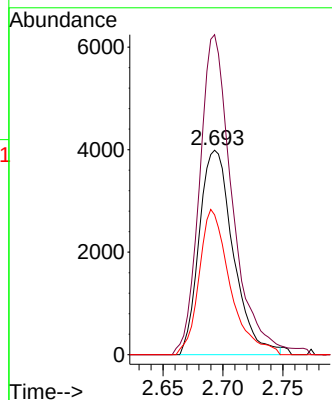
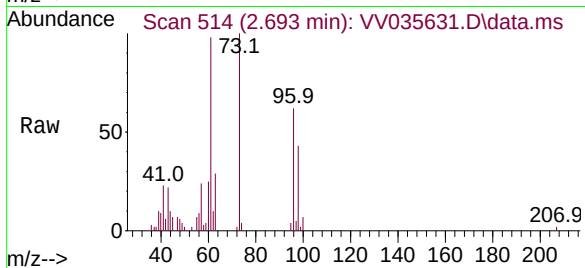
Tgt Ion: 96 Resp: 7883

Ion Ratio Lower Upper

96 100

61 156.5 95.5 177.4

98 68.5 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 1.168 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

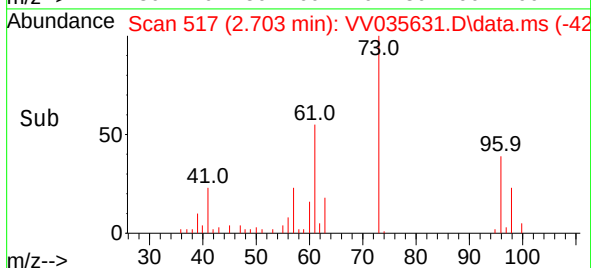
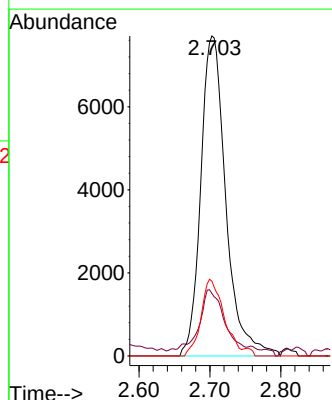
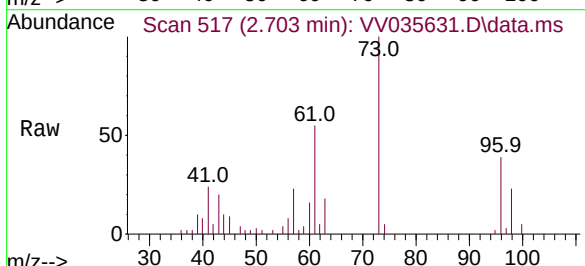
Tgt Ion: 73 Resp: 18926

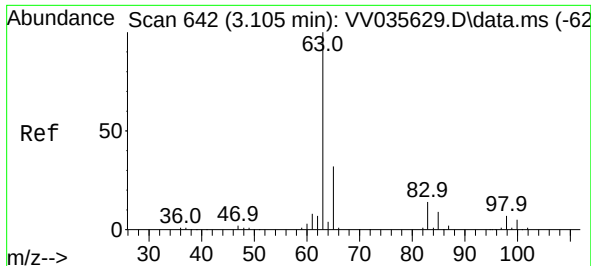
Ion Ratio Lower Upper

73 100

43 16.2 13.3 19.9

57 21.7 17.4 26.2





#19

1,1-Dichloroethane

Concen: 1.284 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

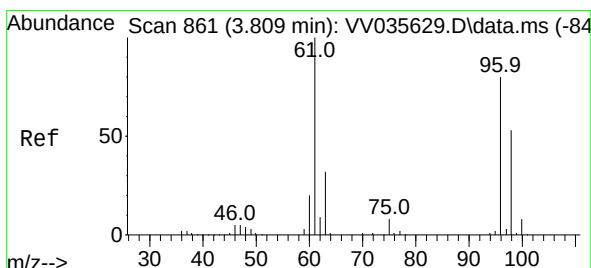
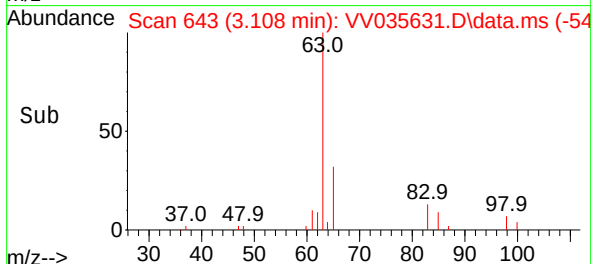
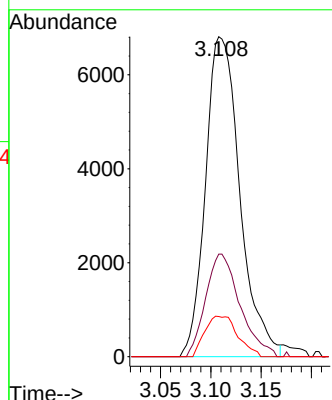
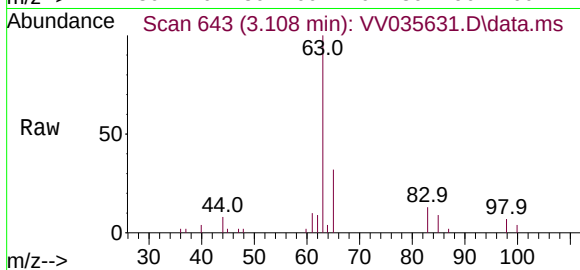
Tgt Ion: 63 Resp: 16182

Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.3

83 12.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 1.130 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

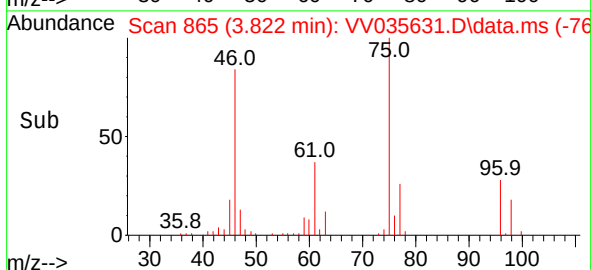
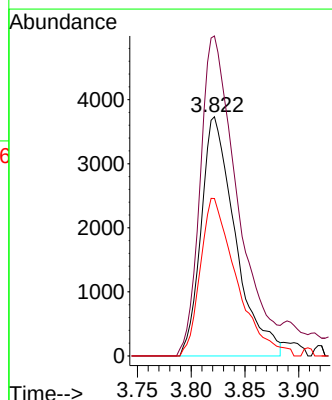
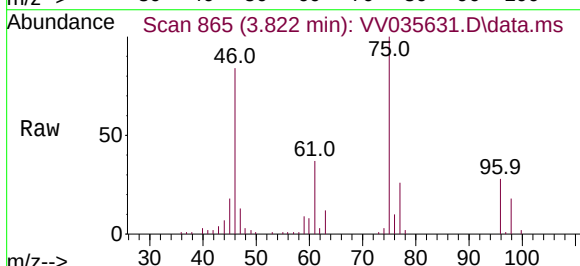
Tgt Ion: 96 Resp: 8231

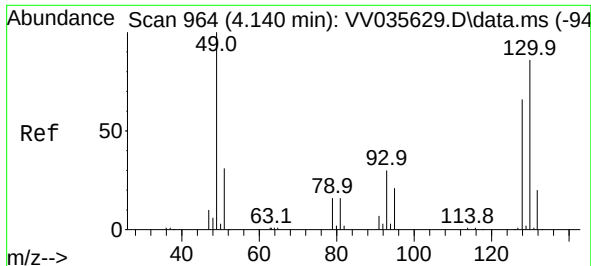
Ion Ratio Lower Upper

96 100

61 133.8 83.9 155.9

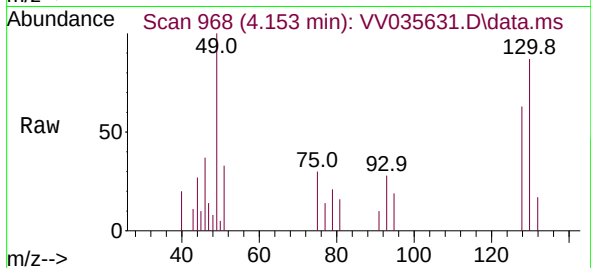
98 65.8 44.0 81.8





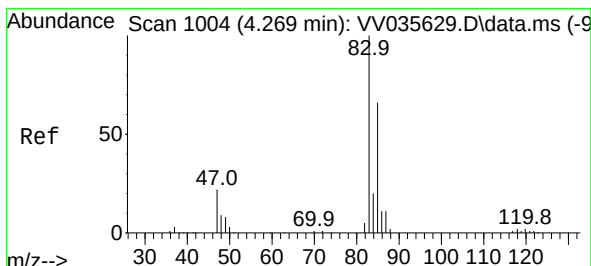
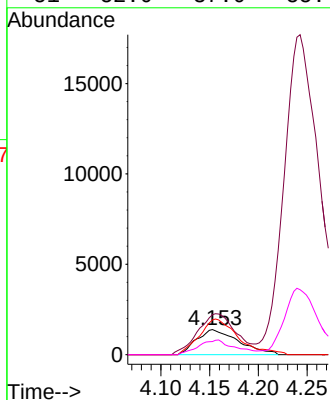
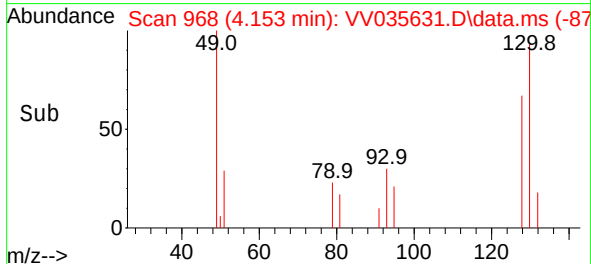
#23
Bromochloromethane
Concen: 1.181 ug/L
RT: 4.153 min Scan# 90
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 4161

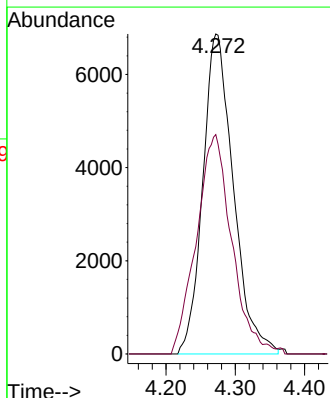
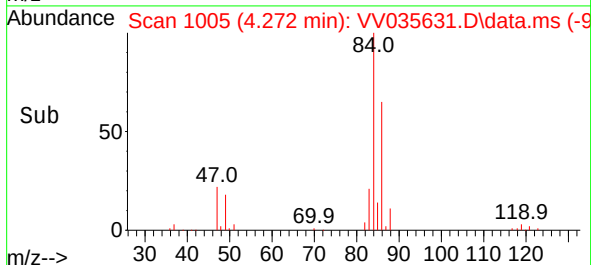
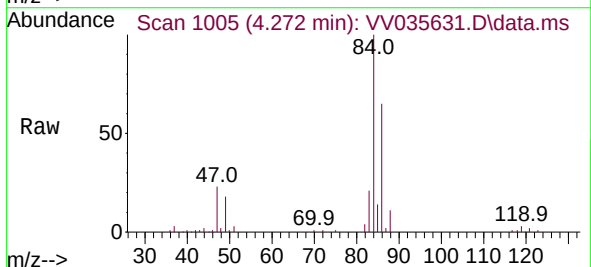
Ion	Ratio	Lower	Upper
128	100		
49	159.4	103.1	191.5
130	138.3	91.8	170.4
51	52.0	37.0	55.4

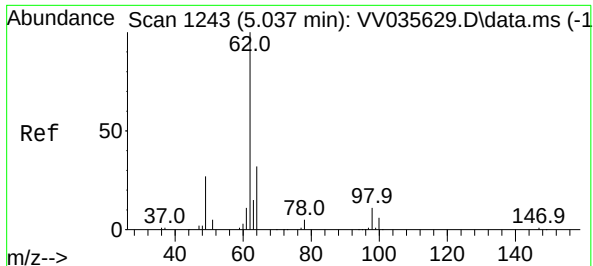


#25
Chloroform
Concen: 1.618 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 83 Resp: 21047

Ion	Ratio	Lower	Upper
83	100		
85	68.6	44.7	82.9





#27

1,2-Dichloroethane

Concen: 1.081 ug/L

RT: 5.059 min Scan# 11

Delta R.T. 0.023 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

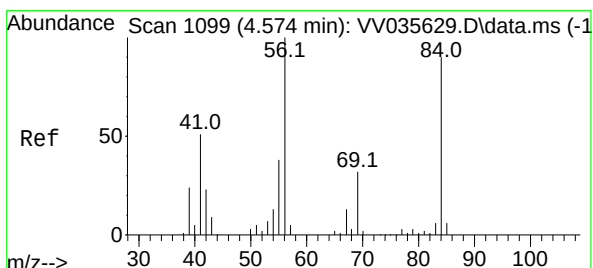
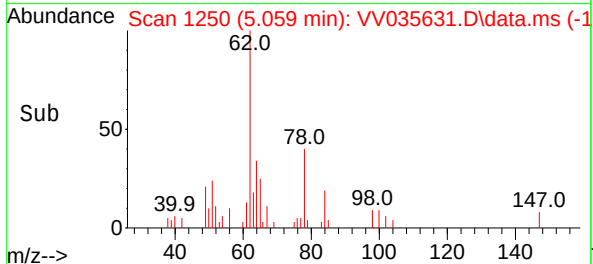
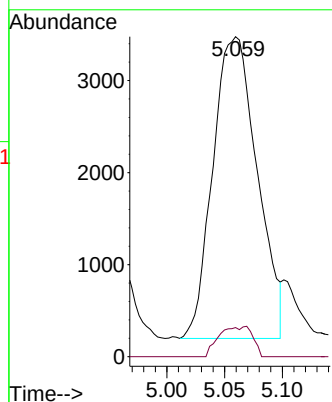
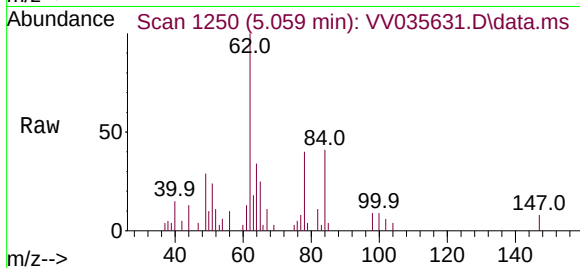
ClientSampleId :

Tgt Ion: 62 Resp: 8757

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.2



#29

Cyclohexane

Concen: 1.101 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

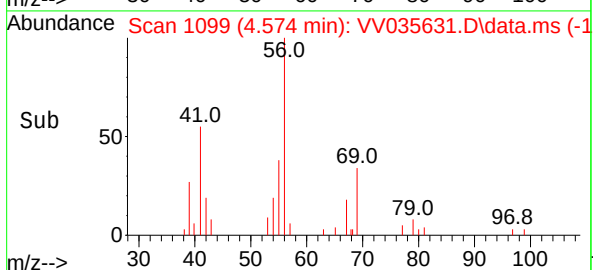
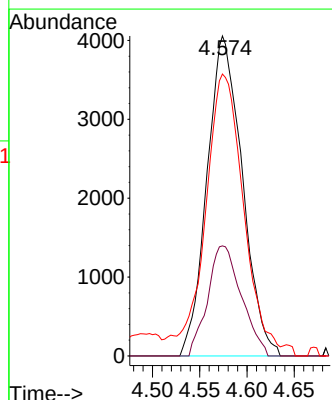
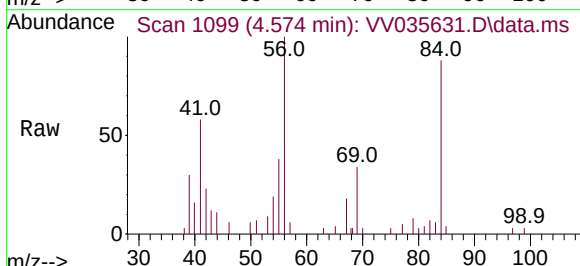
Tgt Ion: 56 Resp: 10525

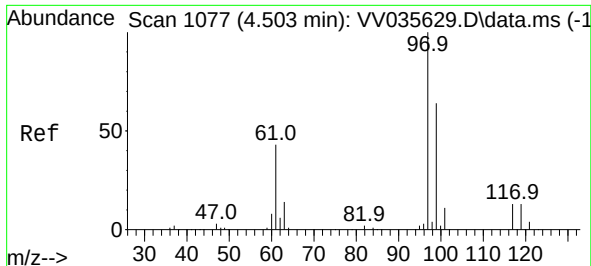
Ion Ratio Lower Upper

56 100

69 32.9 25.6 38.4

84 89.1 74.8 112.2

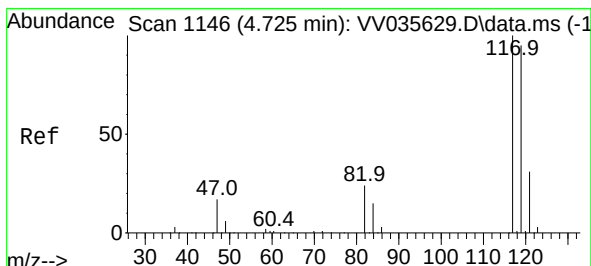
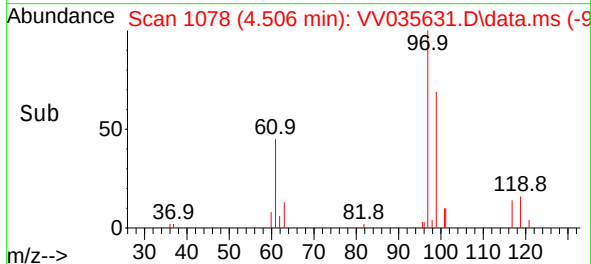
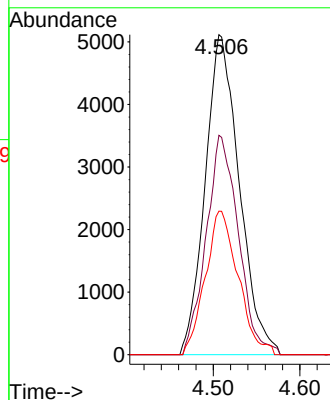
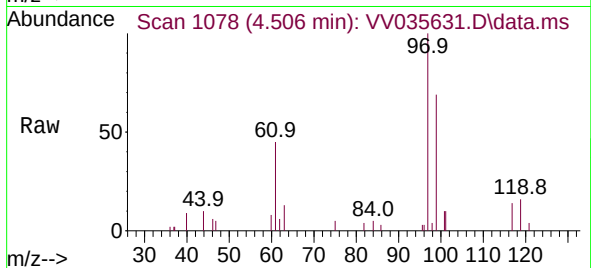




#30
1,1,1-Trichloroethane
Concen: 1.264 ug/L
RT: 4.506 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

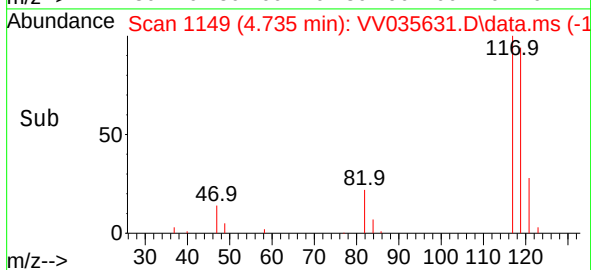
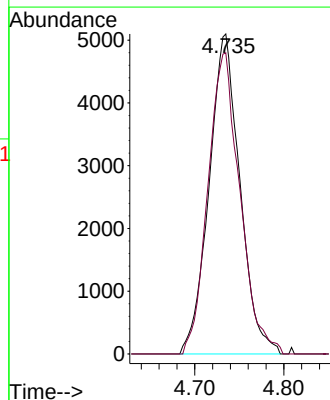
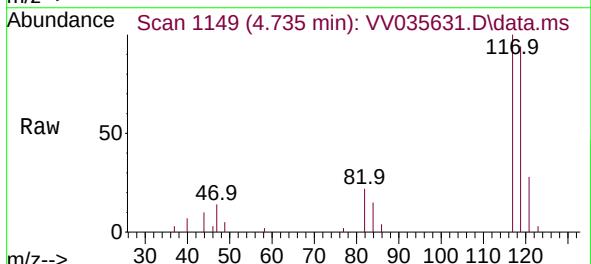
Instrument :
MSVOA_V
ClientSampleId :

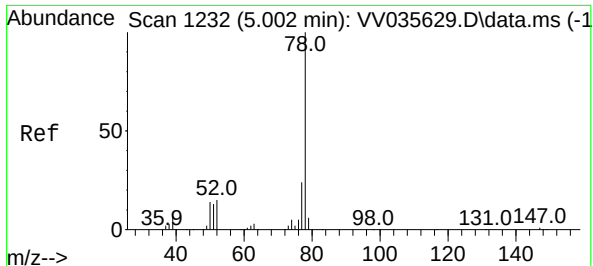
Tgt Ion: 97 Resp: 14011
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 42.7 33.5 50.3



#31
Carbon tetrachloride
Concen: 1.262 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 117 Resp: 12276
Ion Ratio Lower Upper
117 100
119 97.5 77.3 115.9





#33

Benzene

Concen: 1.244 ug/L

RT: 5.014 min Scan# 1490

Delta R.T. 0.013 min

Lab File: VV035631.D

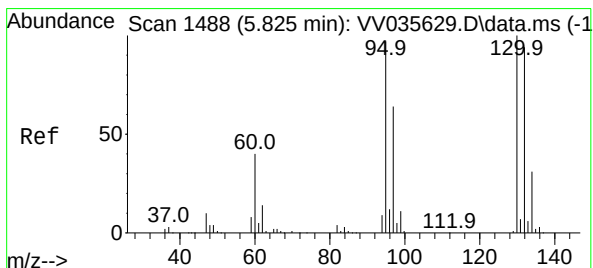
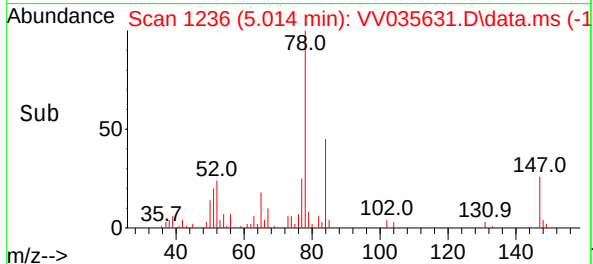
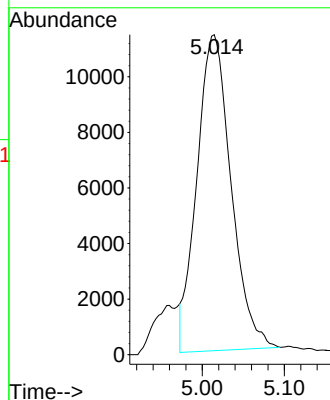
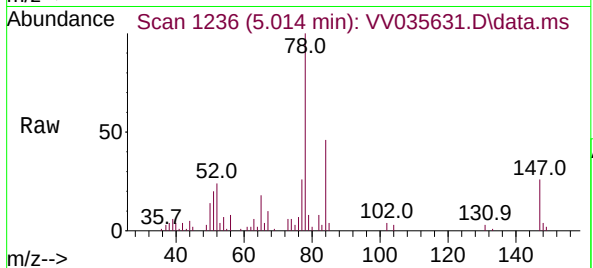
Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 32927



#34

Trichloroethene

Concen: 1.335 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.010 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Tgt Ion: 95 Resp: 9995

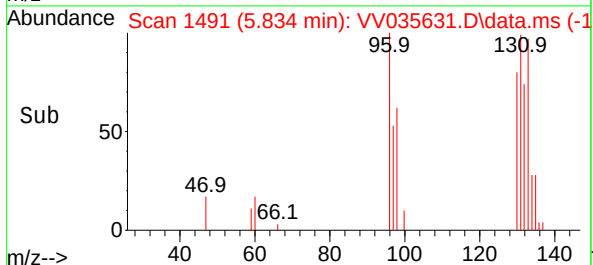
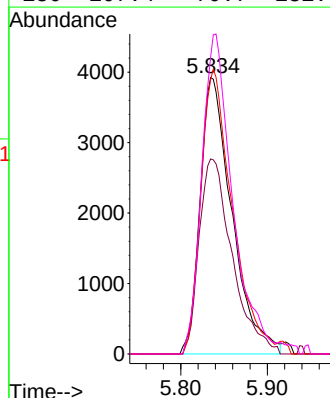
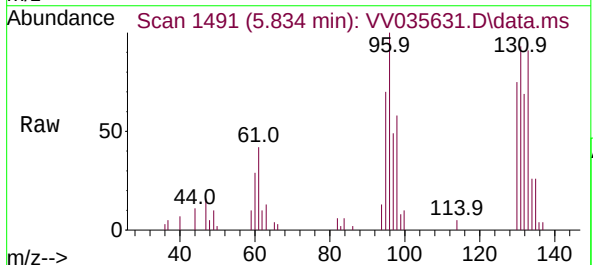
Ion Ratio Lower Upper

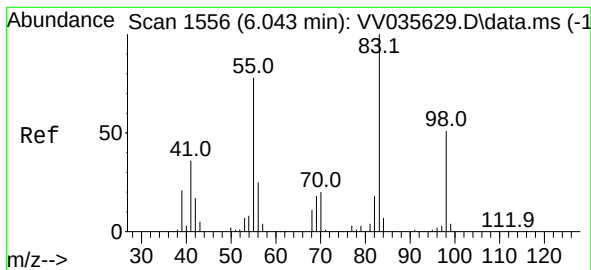
95 100

97 70.6 43.8 81.4

132 99.2 67.1 124.7

130 107.4 70.7 131.3





#35

Methylcyclohexane

Concen: 1.009 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

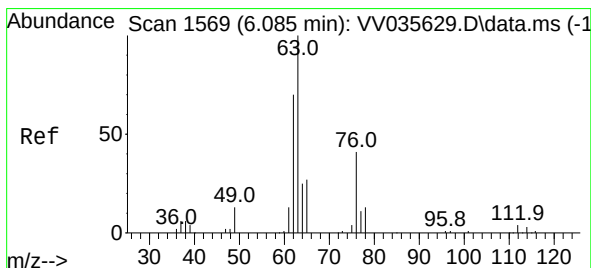
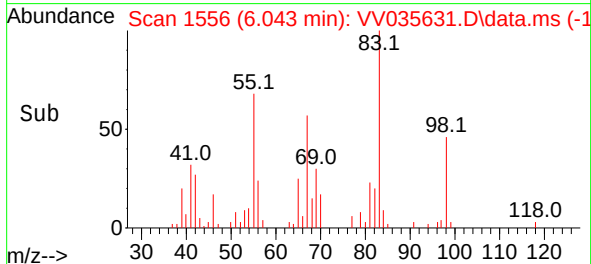
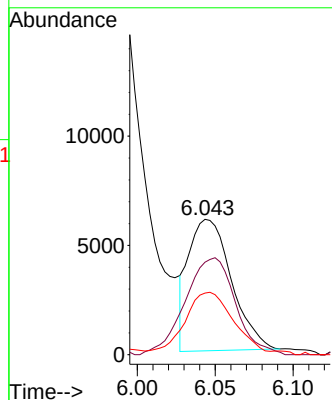
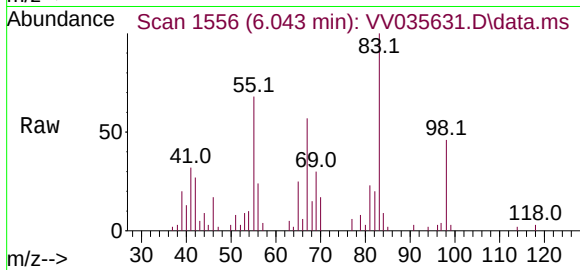
Tgt Ion: 83 Resp: 11470

Ion Ratio Lower Upper

83 100

55 86.5 57.5 86.3#

98 50.5 38.6 58.0



#37

1,2-Dichloropropane

Concen: 1.176 ug/L

RT: 6.098 min Scan# 1573

Delta R.T. 0.013 min

Lab File: VV035631.D

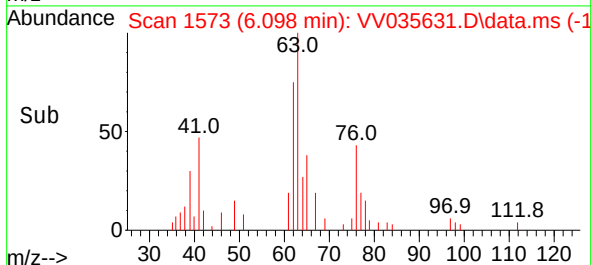
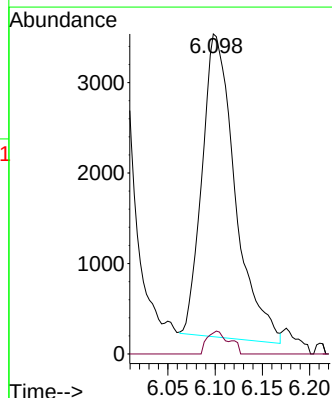
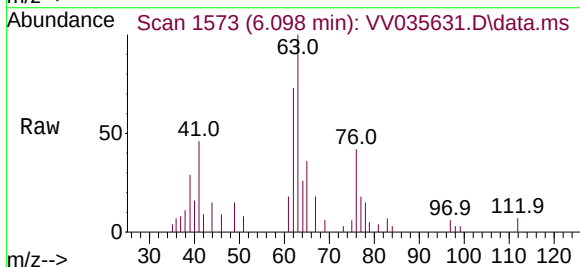
Acq: 20 May 2024 12:24

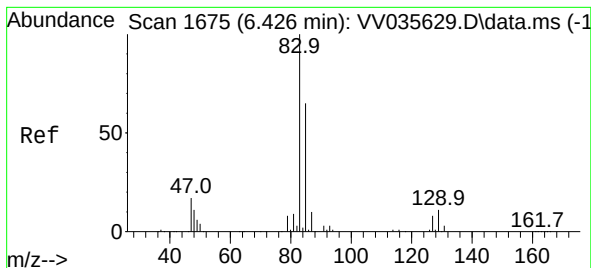
Tgt Ion: 63 Resp: 8118

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.6





#38

Bromodichloromethane

Concen: 1.241 ug/L

RT: 6.439 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

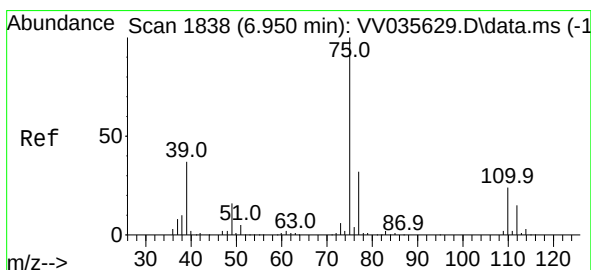
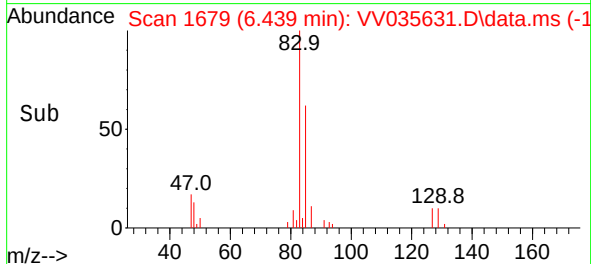
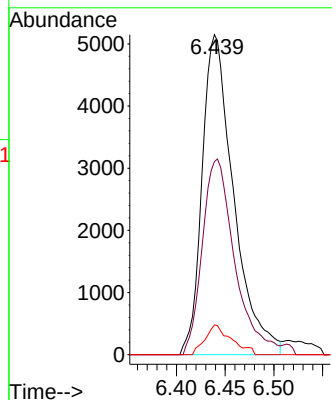
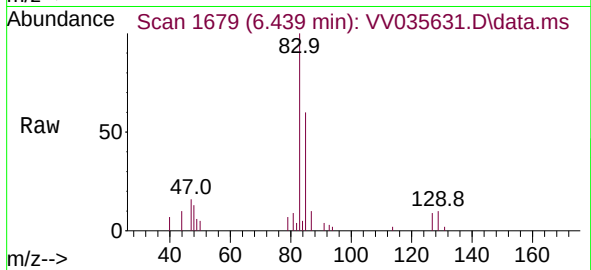
Tgt Ion: 83 Resp: 11608

Ion Ratio Lower Upper

83 100

85 60.4 45.1 83.9

127 9.3 7.0 10.6



#39

cis-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 6.966 min Scan# 1843

Delta R.T. 0.016 min

Lab File: VV035631.D

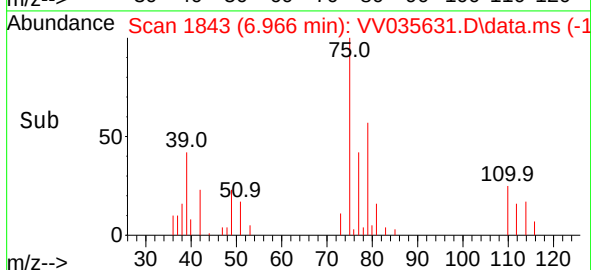
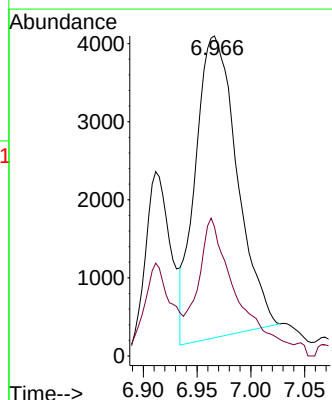
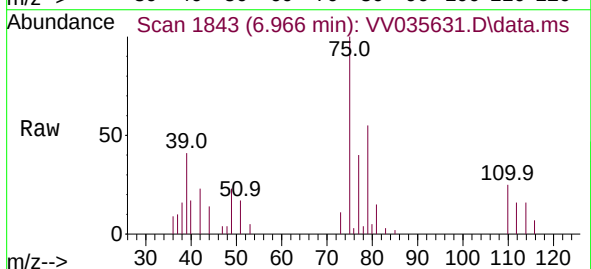
Acq: 20 May 2024 12:24

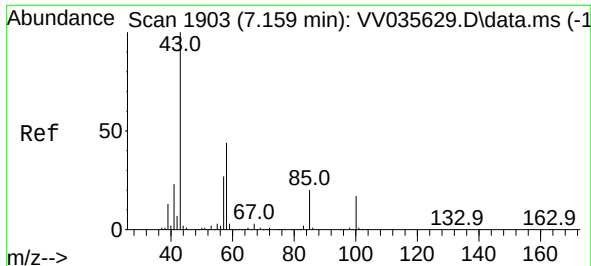
Tgt Ion: 75 Resp: 10426

Ion Ratio Lower Upper

75 100

77 40.4 22.5 41.9

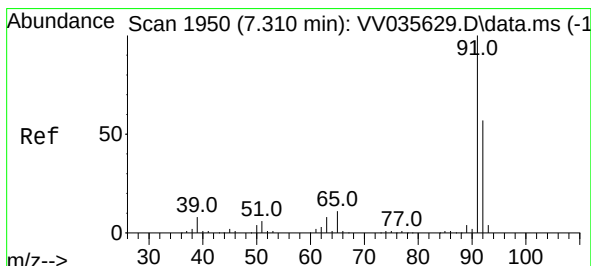
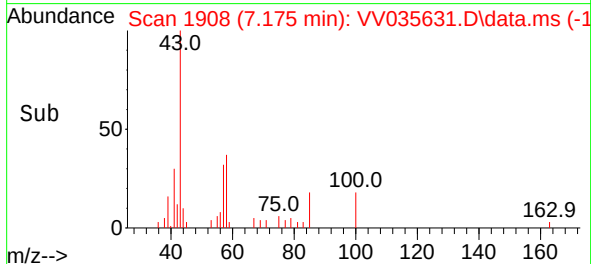
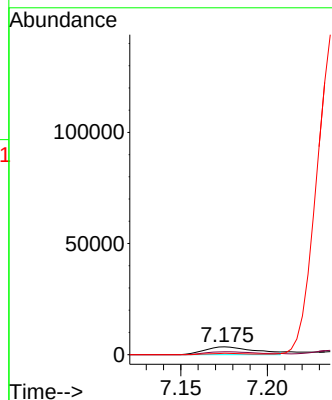
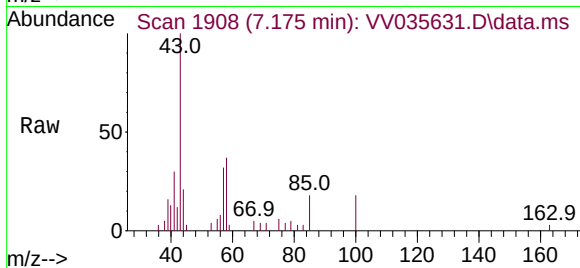




#40
4-Methyl-2-pentanone
Concen: 1.721 ug/L
RT: 7.175 min Scan# 1908
Delta R.T. 0.016 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

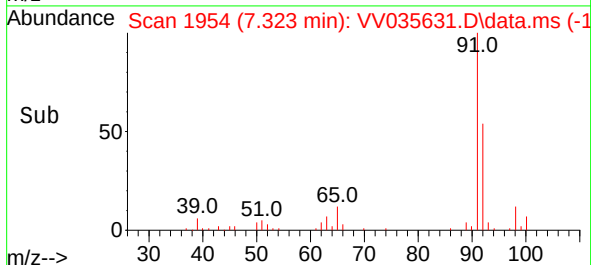
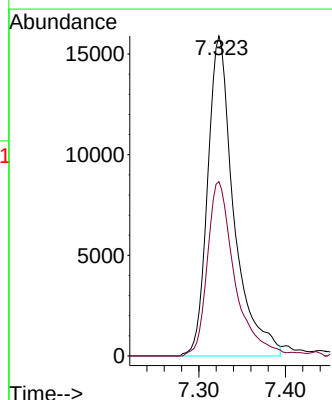
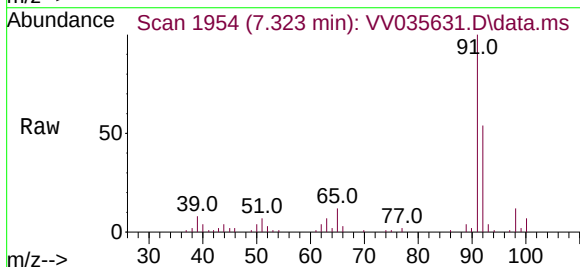
Instrument :
MSVOA_V
ClientSampleId :

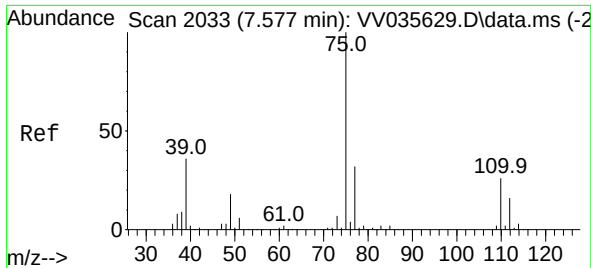
Tgt Ion: 43 Resp: 7117
Ion Ratio Lower Upper
43 100
58 35.8 34.8 52.2
100 15.0 13.9 20.9



#42
Toluene
Concen: 1.195 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 91 Resp: 33470
Ion Ratio Lower Upper
91 100
92 54.5 40.2 74.6

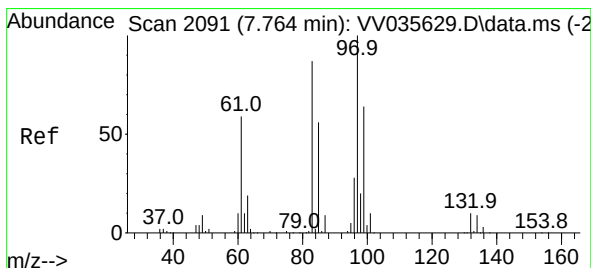
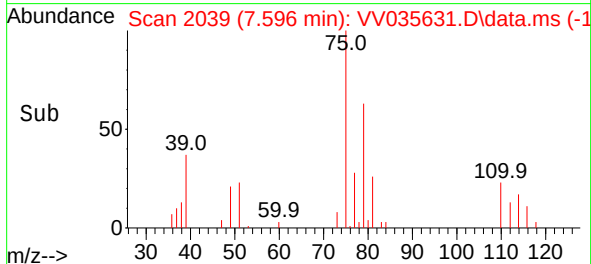
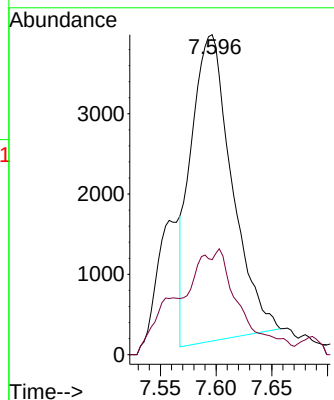
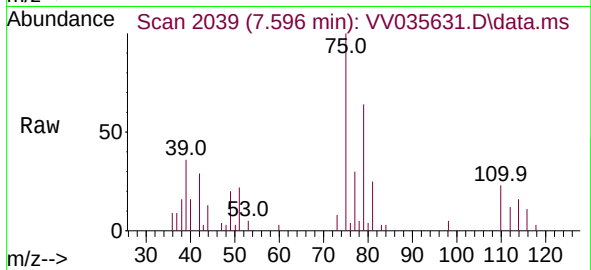




#44
trans-1,3-Dichloropropene
Concen: 1.029 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.019 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

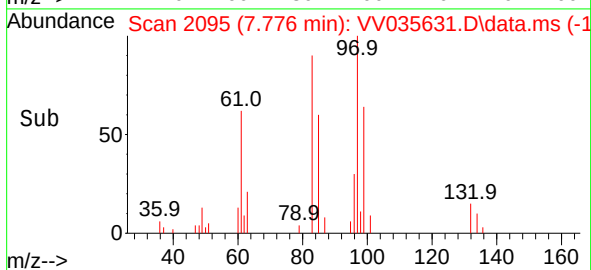
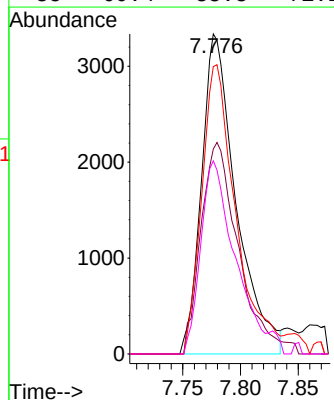
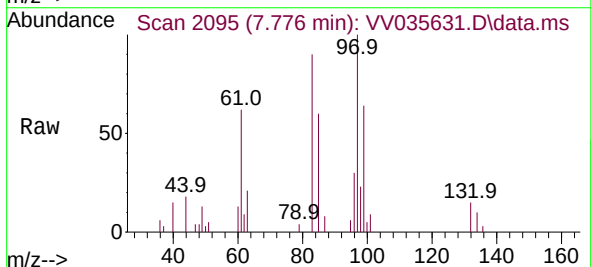
Instrument :
MSVOA_V
ClientSampleId :

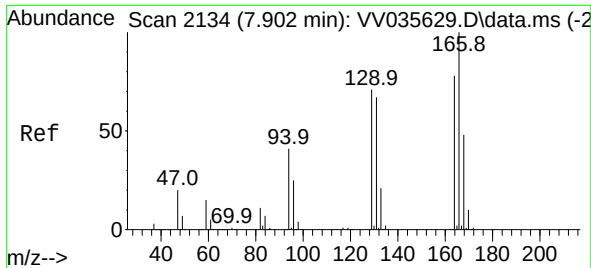
Tgt Ion: 75 Resp: 9722
Ion Ratio Lower Upper
75 100
77 29.7 22.4 41.6



#45
1,1,2-Trichloroethane
Concen: 1.183 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

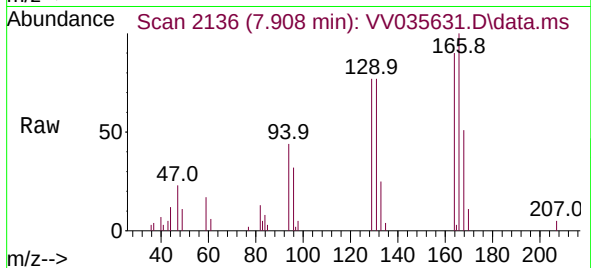
Tgt Ion: 97 Resp: 6943
Ion Ratio Lower Upper
97 100
99 64.0 43.3 80.3
83 89.8 60.3 111.9
85 60.4 38.3 71.1



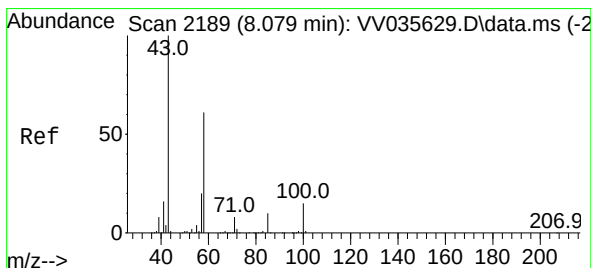
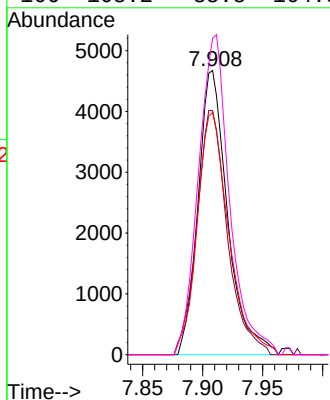
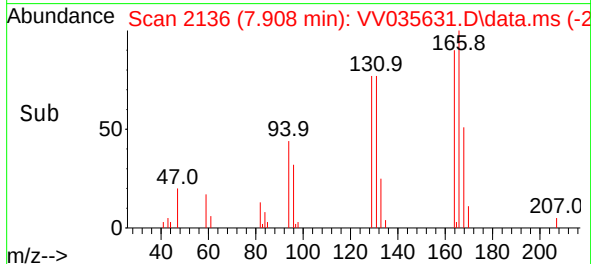


#46
Tetrachloroethene
Concen: 1.315 ug/L
RT: 7.908 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

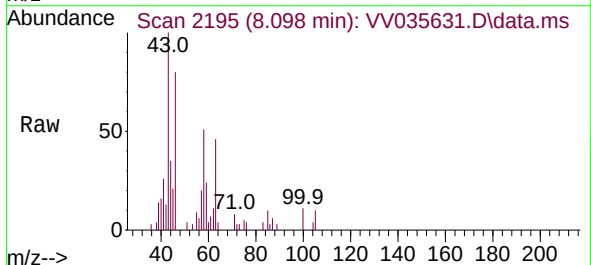
Instrument :
MSVOA_V
ClientSampleId :



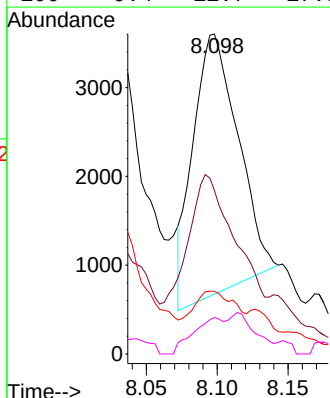
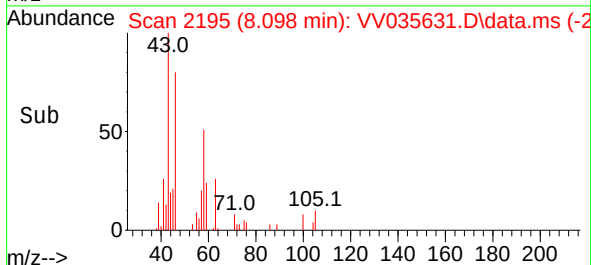
Tgt Ion:164 Resp: 8000
Ion Ratio Lower Upper
164 100
129 83.5 63.4 117.8
131 82.8 61.0 113.4
166 108.2 88.8 164.8

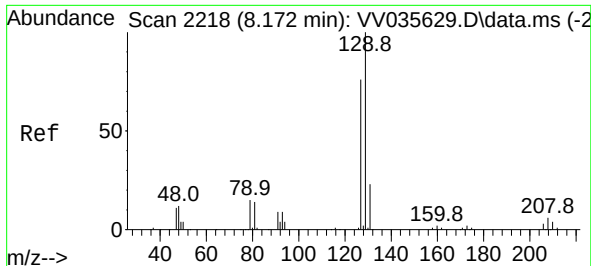


#48
2-Hexanone
Concen: 2.100 ug/L
RT: 8.098 min Scan# 2195
Delta R.T. 0.019 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



Tgt Ion: 43 Resp: 6510
Ion Ratio Lower Upper
43 100
58 58.5 48.8 73.2
57 5.4 16.9 25.3#
100 9.4 11.7 17.5#





#49

Dibromochloromethane

Concen: 1.209 ug/L

RT: 8.178 min Scan# 2218

Delta R.T. 0.006 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

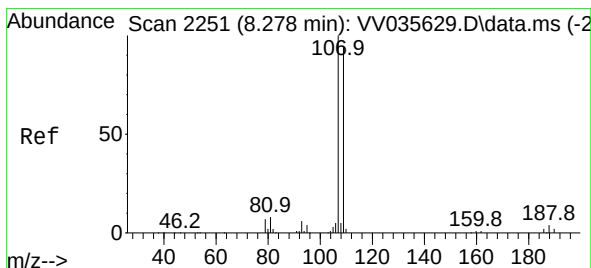
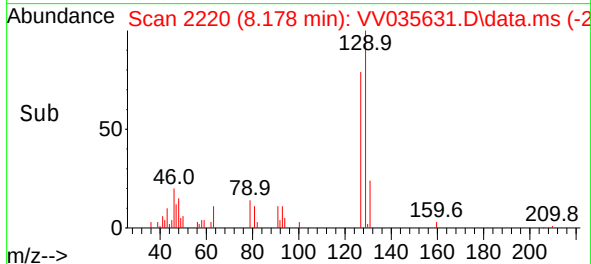
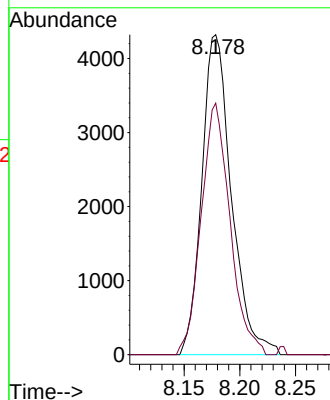
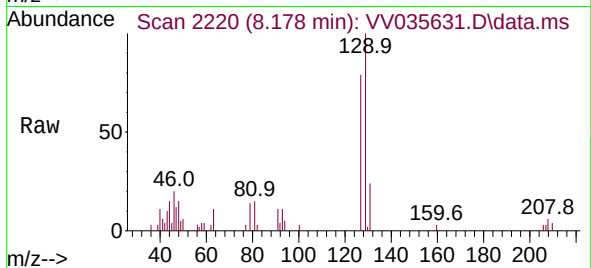
ClientSampleId :

Tgt Ion:129 Resp: 8002

Ion Ratio Lower Upper

129 100

127 78.6 53.8 99.8



#50

1,2-Dibromoethane

Concen: 1.327 ug/L

RT: 8.291 min Scan# 2255

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

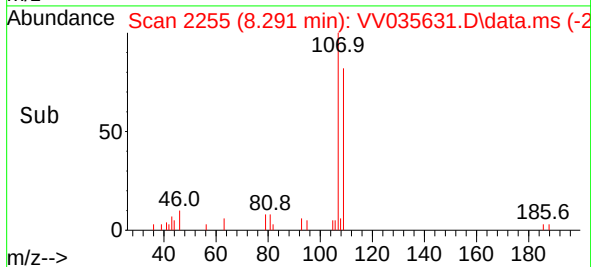
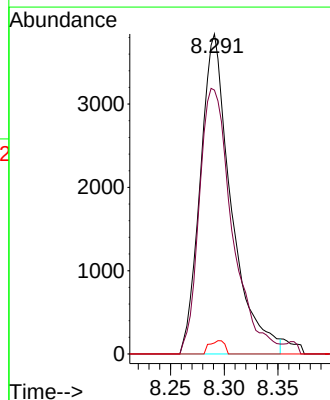
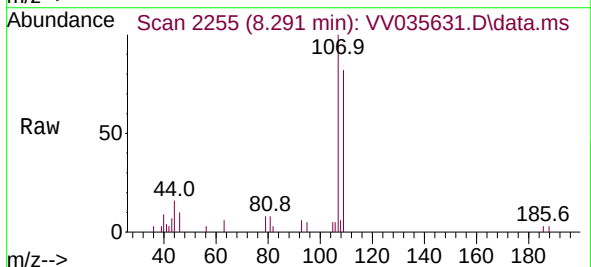
Tgt Ion:107 Resp: 7670

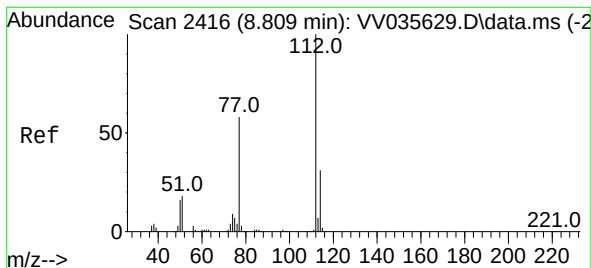
Ion Ratio Lower Upper

107 100

109 82.4 65.4 121.4

188 3.5 2.9 4.3





#51

Chlorobenzene

Concen: 1.239 ug/L

RT: 8.818 min Scan# 2416

Delta R.T. 0.010 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

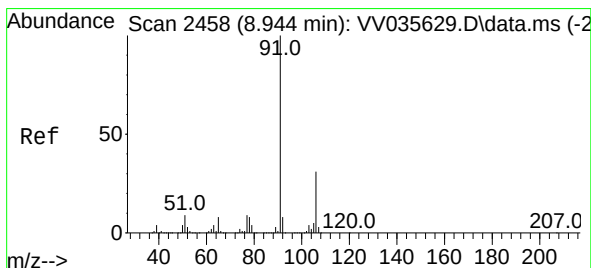
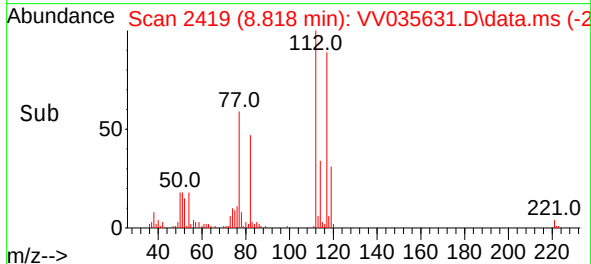
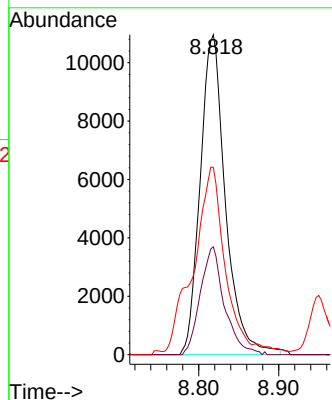
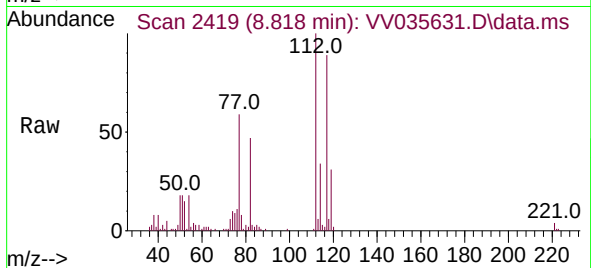
Tgt Ion:112 Resp: 24082

Ion Ratio Lower Upper

112 100

114 33.7 22.5 41.7

77 58.5 46.6 69.8



#52

Ethylbenzene

Concen: 1.039 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.006 min

Lab File: VV035631.D

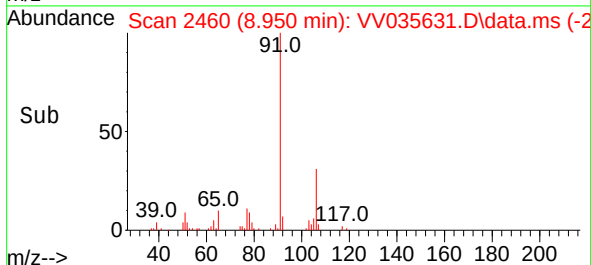
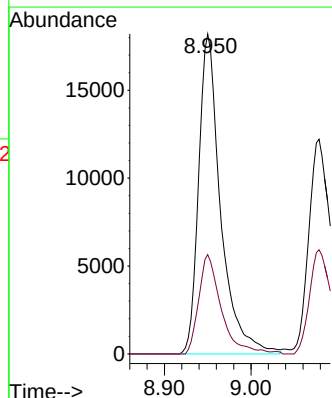
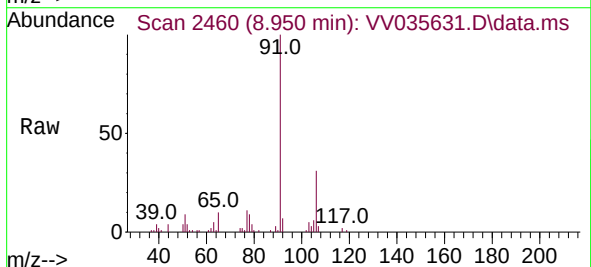
Acq: 20 May 2024 12:24

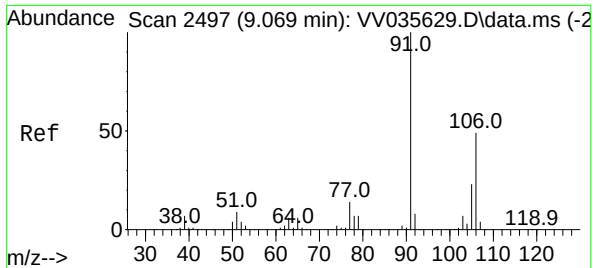
Tgt Ion: 91 Resp: 32132

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3





#53

m,p-Xylene

Concen: 0.917 ug/L

RT: 9.079 min Scan# 2497

Delta R.T. 0.010 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

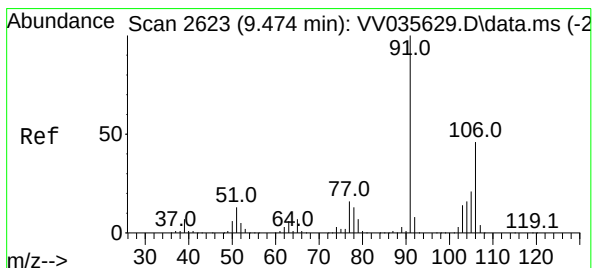
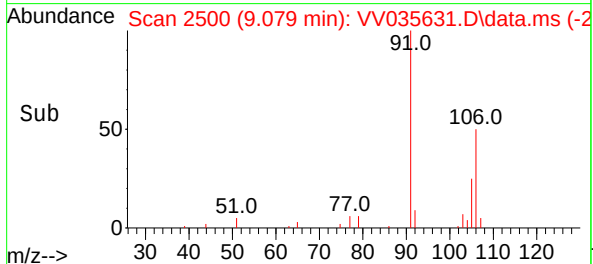
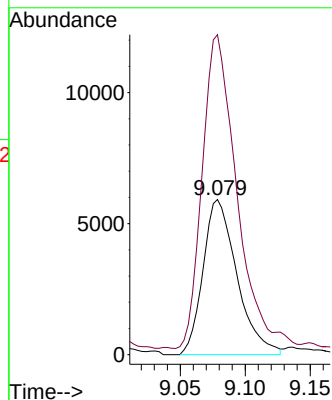
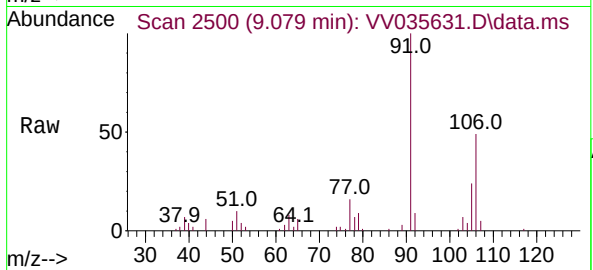
ClientSampleId :

Tgt Ion:106 Resp: 10759

Ion Ratio Lower Upper

106 100

91 206.1 142.7 264.9



#54

o-Xylene

Concen: 0.914 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. 0.006 min

Lab File: VV035631.D

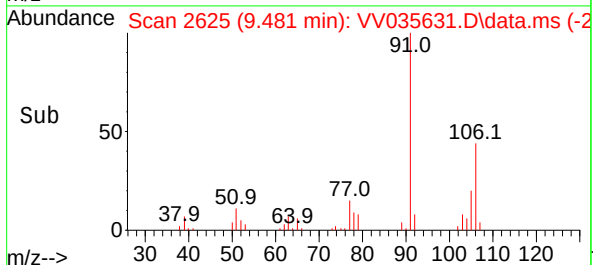
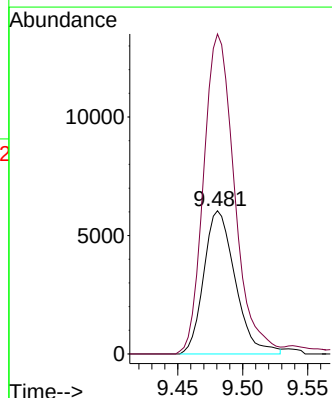
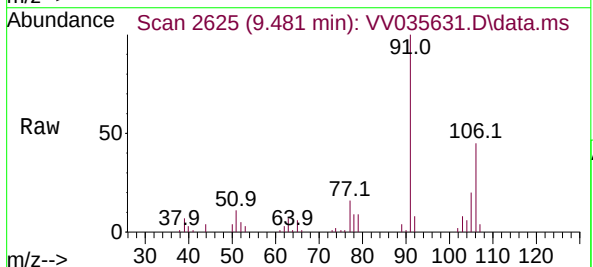
Acq: 20 May 2024 12:24

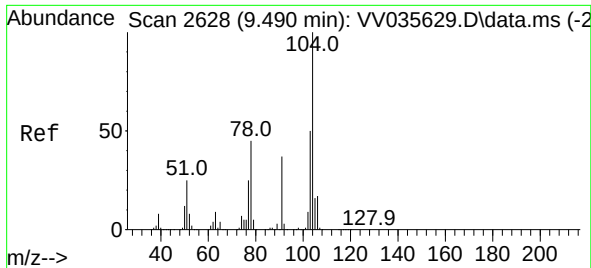
Tgt Ion:106 Resp: 10161

Ion Ratio Lower Upper

106 100

91 223.4 150.9 280.3

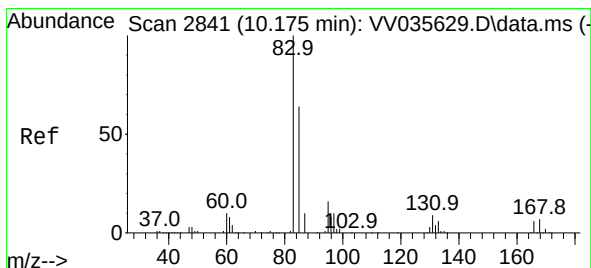
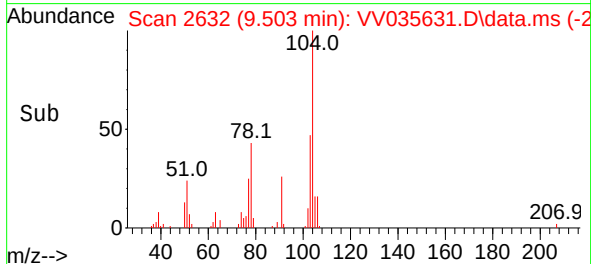
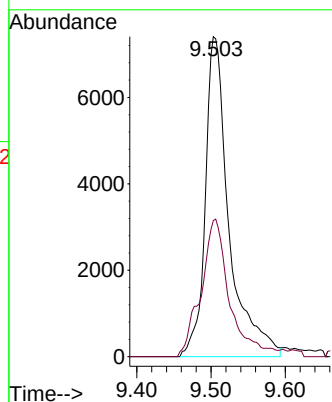
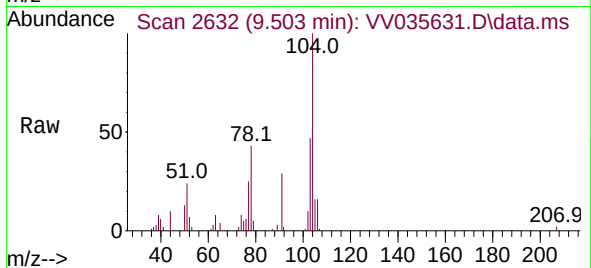




#55
Styrene
Concen: 0.848 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

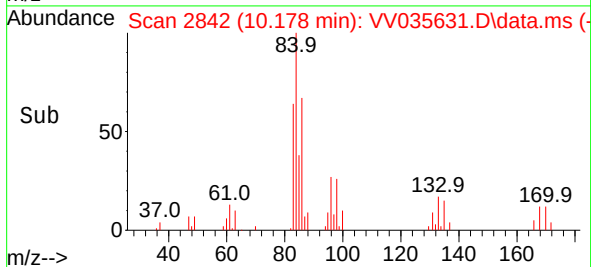
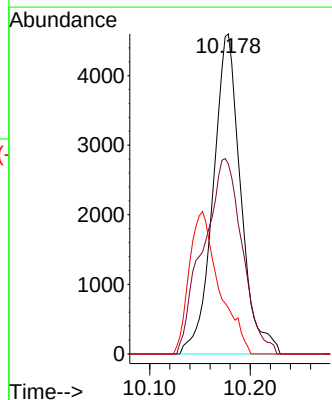
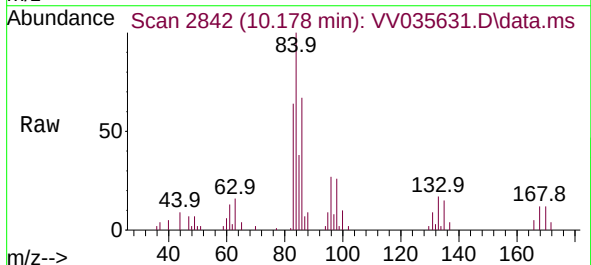
Instrument :
MSVOA_V
ClientSampleId :

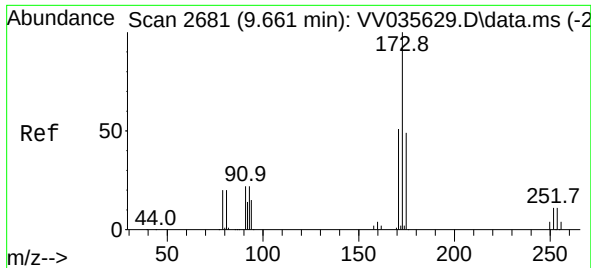
Tgt Ion:104 Resp: 16446
Ion Ratio Lower Upper
104 100
78 42.6 30.0 55.6



#57
1,1,2,2-Tetrachloroethane
Concen: 1.229 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 83 Resp: 8781
Ion Ratio Lower Upper
83 100
85 59.4 44.7 83.1
131 14.4 8.0 12.0#





#59

Bromoform

Concen: 1.289 ug/L

RT: 9.673 min Scan# 2

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

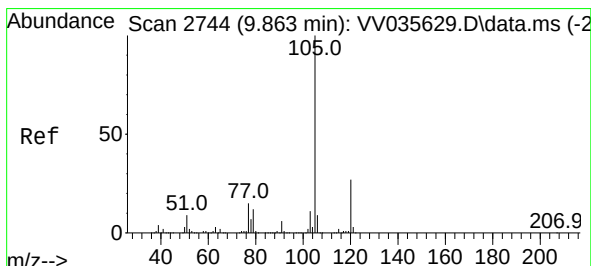
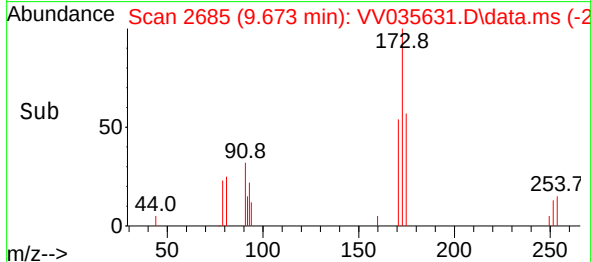
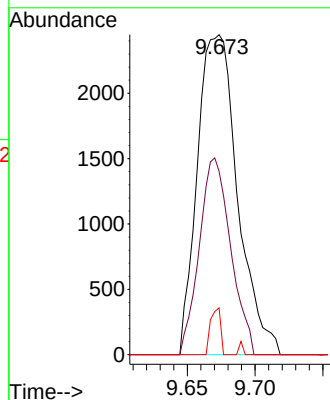
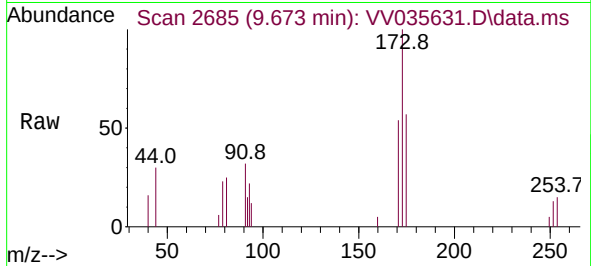
Tgt Ion:173 Resp: 5059

Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

254 3.7 8.3 12.5#



#60

Isopropylbenzene

Concen: 1.023 ug/L

RT: 9.866 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

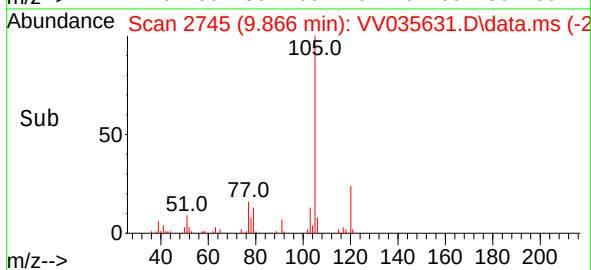
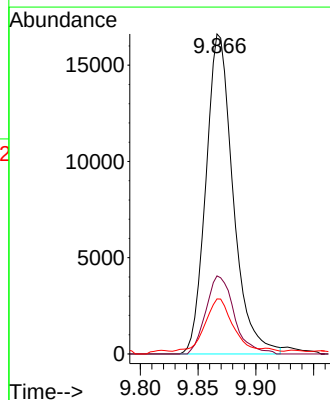
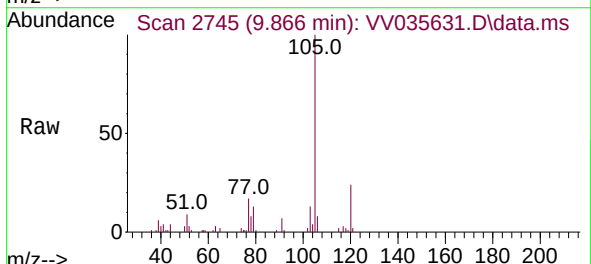
Tgt Ion:105 Resp: 27228

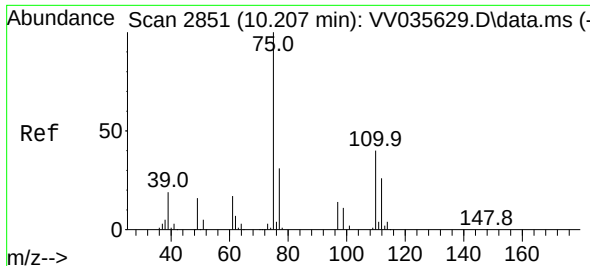
Ion Ratio Lower Upper

105 100

120 25.4 21.3 31.9

77 16.3 12.2 18.2

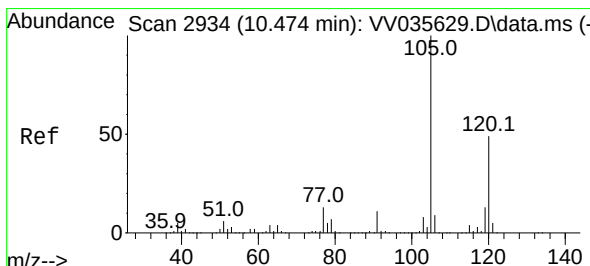
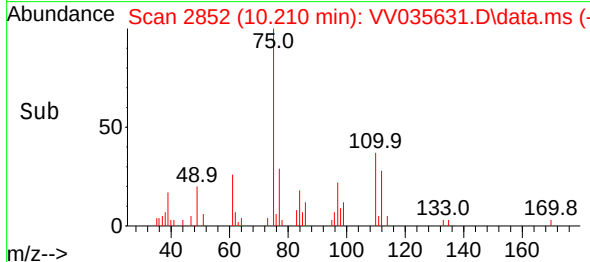
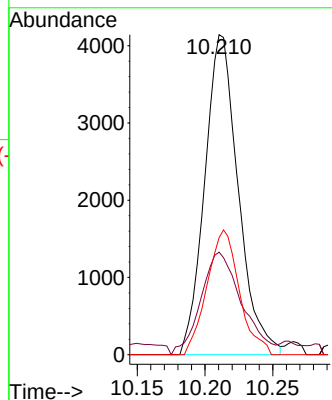
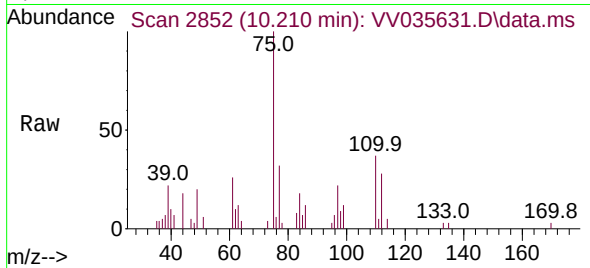




#61
1,2,3-Trichloropropane
Concen: 1.524 ug/L
RT: 10.210 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

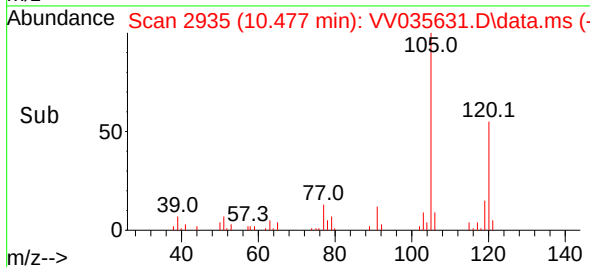
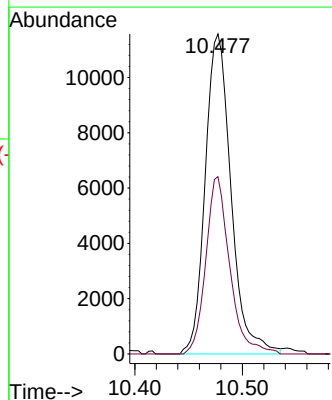
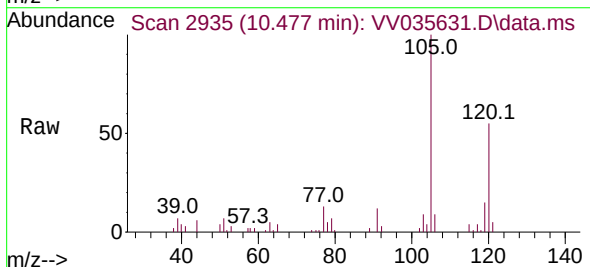
Instrument :
MSVOA_V
ClientSampleId :

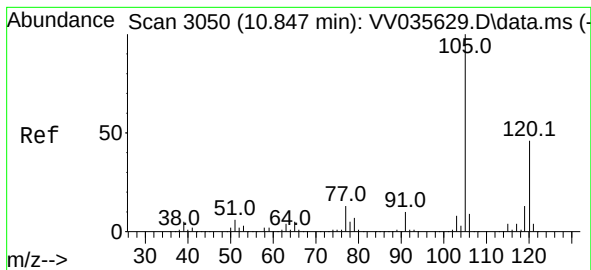
Tgt Ion: 75 Resp: 7132
Ion Ratio Lower Upper
75 100
77 39.0 25.7 38.5#
110 37.5 31.8 47.8



#62
1,3,5-Trimethylbenzene
Concen: 0.926 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 105 Resp: 19326
Ion Ratio Lower Upper
105 100
120 51.4 39.4 59.0





#63

1,2,4-Trimethylbenzene

Concen: 0.894 ug/L

RT: 10.853 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

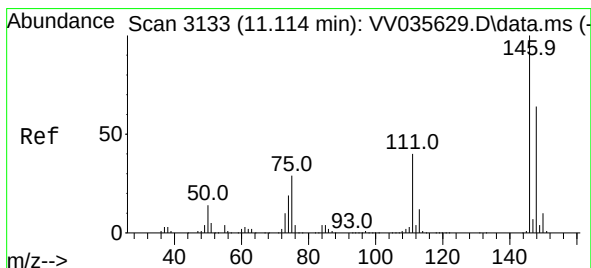
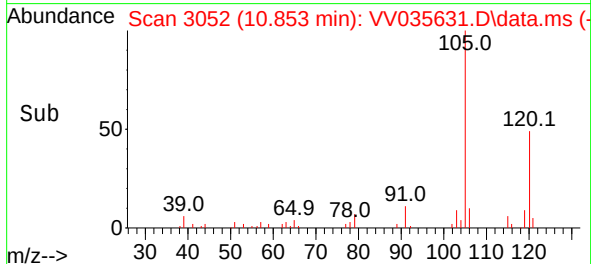
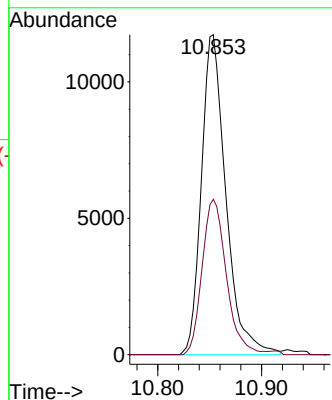
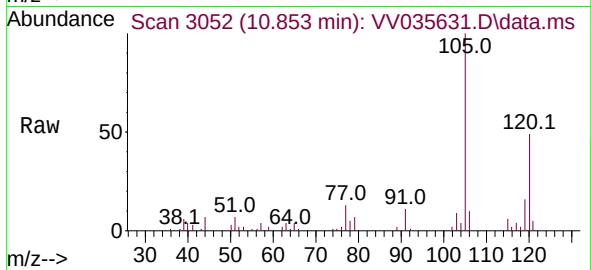
ClientSampleId :

Tgt Ion:105 Resp: 19173

Ion Ratio Lower Upper

105 100

120 48.2 36.6 55.0



#64

1,3-Dichlorobenzene

Concen: 1.189 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.006 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

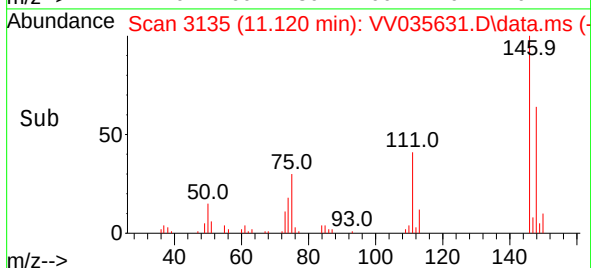
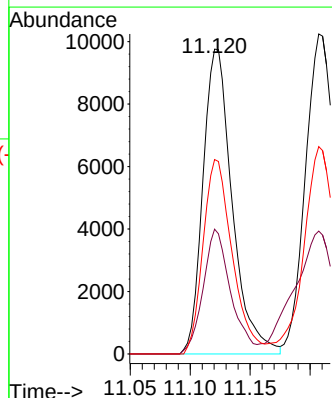
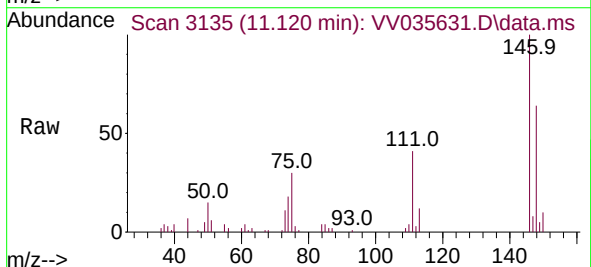
Tgt Ion:146 Resp: 16599

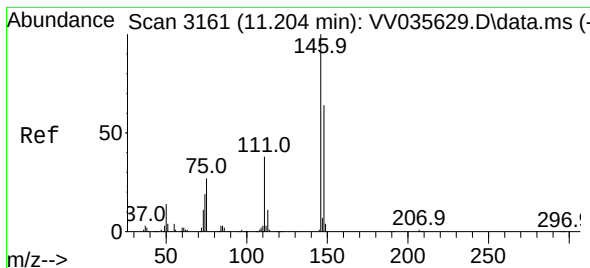
Ion Ratio Lower Upper

146 100

111 41.0 27.0 50.2

148 63.8 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 1.255 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035631.D

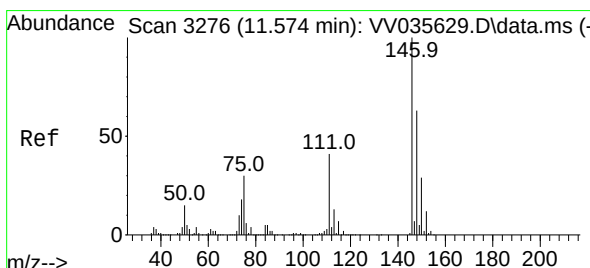
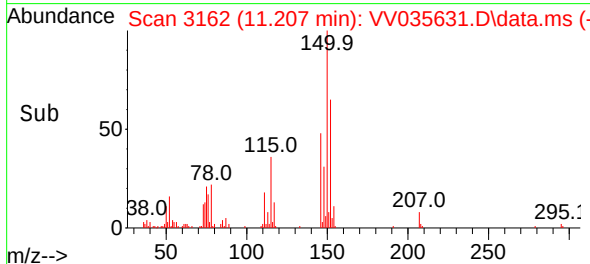
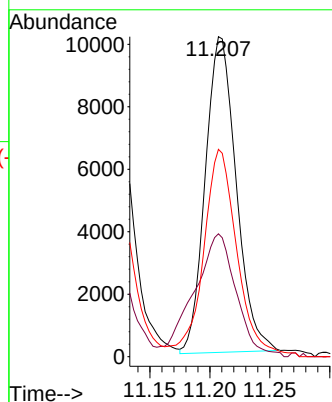
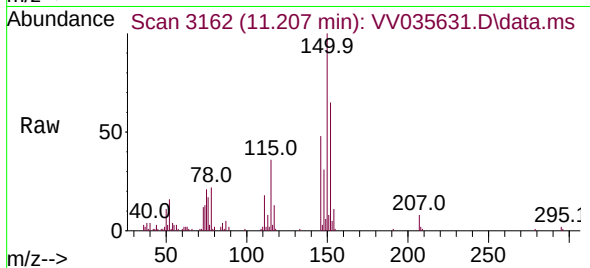
Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	146	Resp:	18136
Ion Ratio	Lower	Upper	
146	100		
111	38.4	26.2	48.6
148	64.8	44.9	83.3



#67

1,2-Dichlorobenzene

Concen: 1.369 ug/L

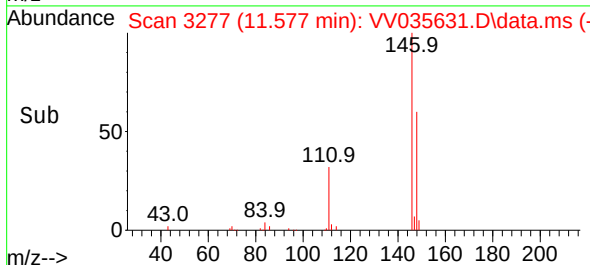
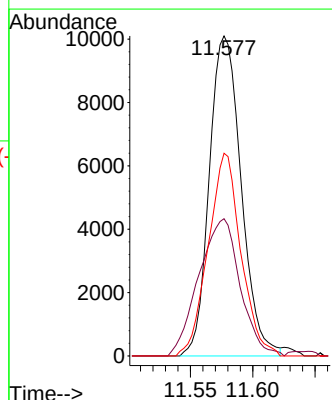
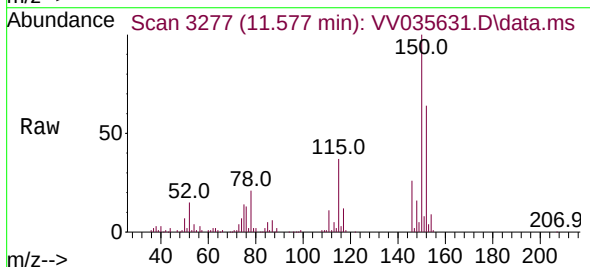
RT: 11.577 min Scan# 3277

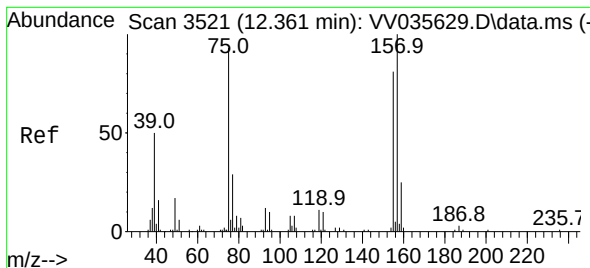
Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Tgt Ion:	146	Resp:	17992
Ion Ratio	Lower	Upper	
146	100		
111	42.9	32.6	48.8
148	63.4	51.1	76.7

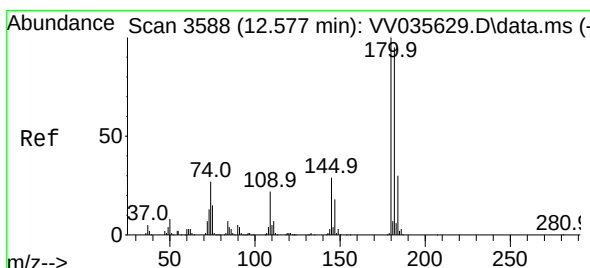
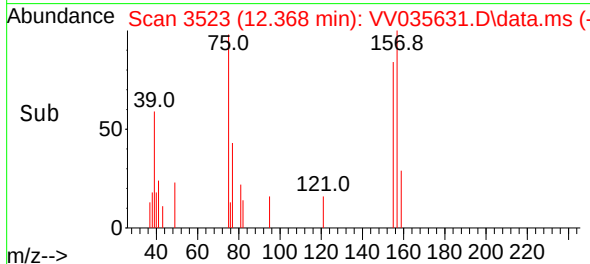
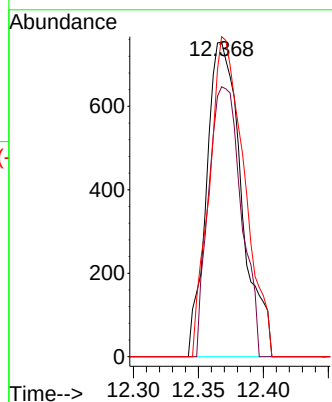
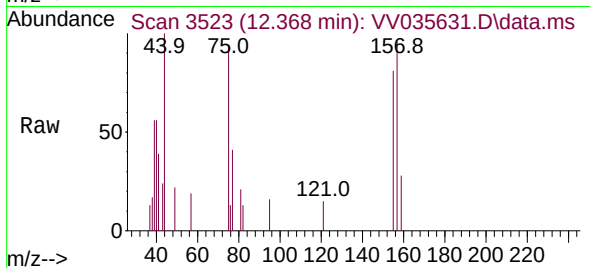




#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.302 ug/L
 RT: 12.368 min Scan# 3521
 Delta R.T. 0.006 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

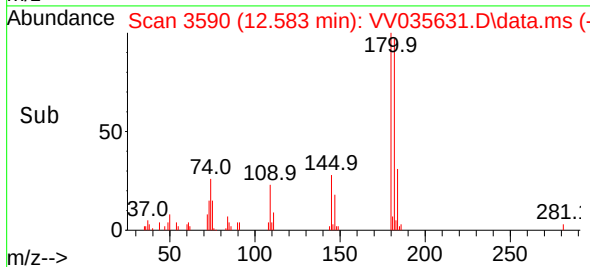
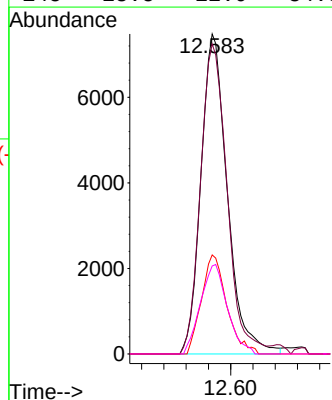
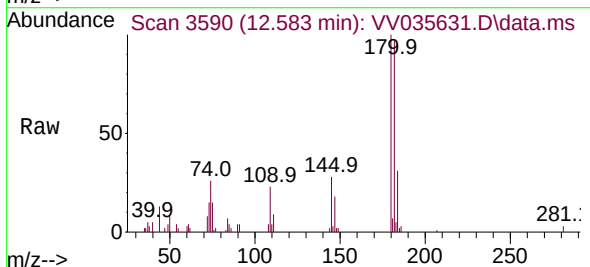
Instrument :
 MSVOA_V
 ClientSampleId :

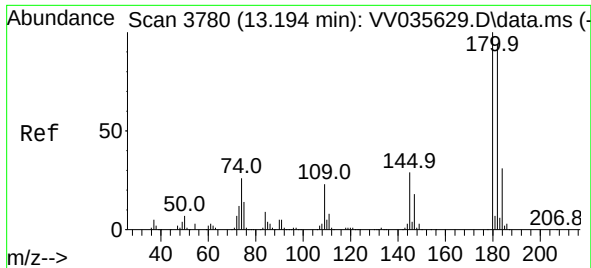
Tgt Ion: 75 Resp: 1413
 Ion Ratio Lower Upper
 75 100
 155 85.8 69.8 104.6
 157 101.7 95.0 142.6



#69
 1,3,5-Trichlorobenzene
 Concen: 1.127 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.006 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

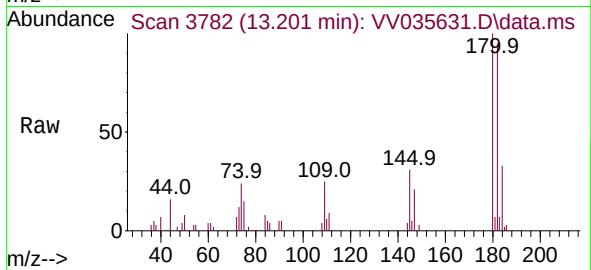
Tgt Ion: 180 Resp: 12298
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.2
 184 29.1 24.1 36.1
 145 28.5 22.9 34.3



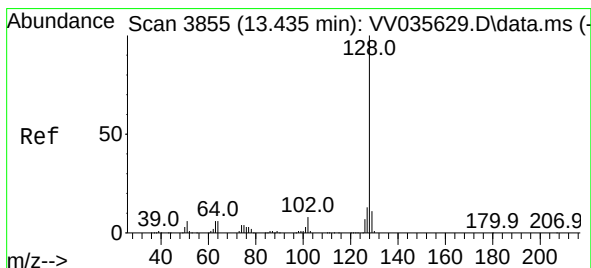
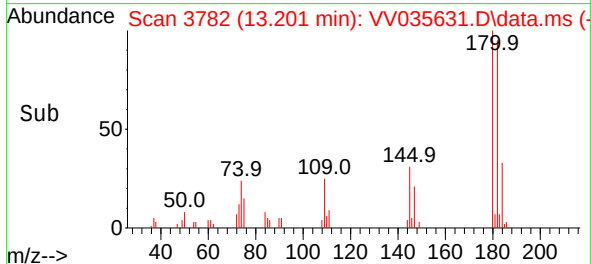
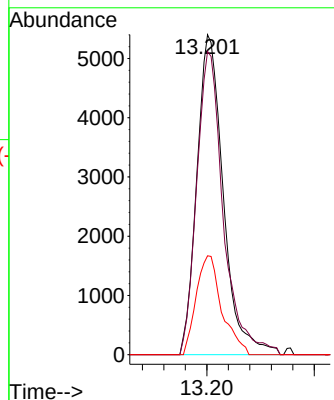


#70
1,2,4-trichlorobenzene
Concen: 1.013 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :

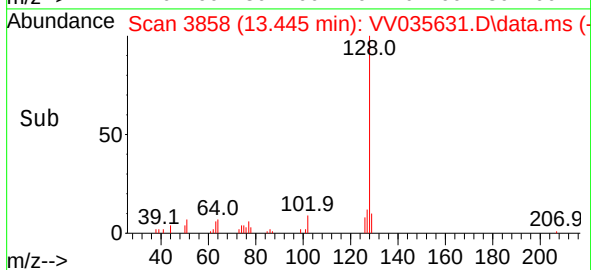
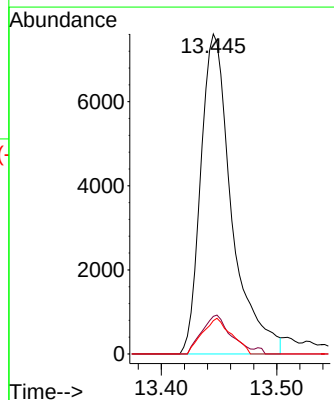
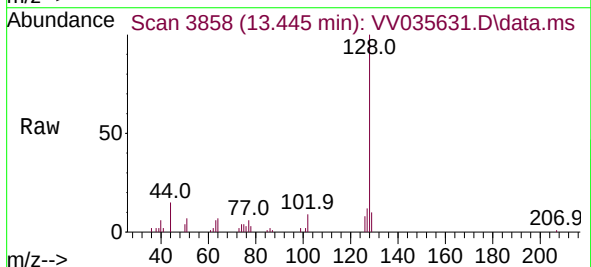


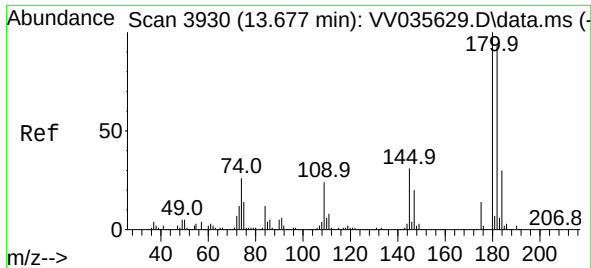
Tgt Ion:180 Resp: 9226
Ion Ratio Lower Upper
180 100
182 94.9 76.6 114.8
145 30.0 23.2 34.8



#71
Naphthalene
Concen: 0.884 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

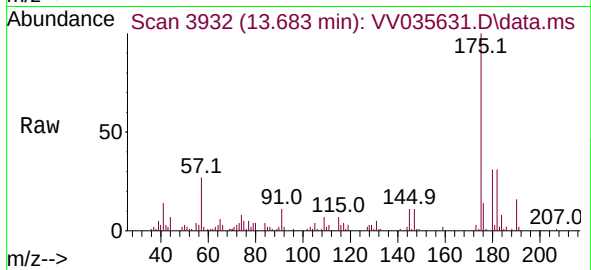
Tgt Ion:128 Resp: 14146
Ion Ratio Lower Upper
128 100
127 11.4 10.4 15.6
129 10.4 8.6 13.0





#72
1,2,3-Trichlorobenzene
Concen: 1.005 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	180	Resp:	8237
Ion Ratio	Lower	Upper	
180	100		
182	96.4	75.8	113.6
145	33.9	25.2	37.8

