

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036621.D
 Acq On : 22 Jul 2024 09:43
 Operator : SY/MD
 Sample : VSTD025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 23 01:26:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:25:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	407377	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	409661	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	238295	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	101585	22.768	ug/L	0.00
7) Chloroethane-d5	1.526	69	94733	23.508	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	53953	22.869	ug/L	0.00
21) 2-Butanone-d5	3.854	46	48882	50.404	ug/L	0.00
24) Chloroform-d	4.243	84	254134	23.588	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	127598	24.006	ug/L	0.00
32) Benzene-d6	4.953	84	459851	23.685	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	132227	22.895	ug/L	0.00
41) Toluene-d8	7.240	98	448896	24.227	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	58109	23.628	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	36873	50.578	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	114657	23.779	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	190832	22.941	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.102	85	191059	27.655	ug/L	100
3) Chloromethane	1.211	50	148935	28.020	ug/L	100
5) Vinyl chloride	1.278	62	183298	27.886	ug/L	100
6) Bromomethane	1.484	94	143649	27.333	ug/L	100
8) Chloroethane	1.545	64	116168	27.271	ug/L	100
9) Trichlorofluoromethane	1.706	101	309608	27.128	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	191564	26.976	ug/L	100
12) 1,1-Dichloroethene	2.063	96	172103	27.385	ug/L	100
13) Acetone	2.153	43	90568	56.075	ug/L	100
14) Carbon disulfide	2.230	76	494689	28.360	ug/L	100
15) Methyl Acetate	2.388	43	49033	24.847	ug/L	100
16) Methylene chloride	2.439	84	169281	22.333	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	171480	27.018	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	358547	26.934	ug/L	100
19) 1,1-Dichloroethane	3.105	63	269577	27.072	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	179010	27.007	ug/L	100
22) 2-Butanone	3.915	43	59042	45.520	ug/L	78
23) Bromochloromethane	4.143	128	97550	27.933	ug/L	100
25) Chloroform	4.269	83	323629	26.925	ug/L	100
27) 1,2-Dichloroethane	5.037	62	193339	26.806	ug/L	100
29) Cyclohexane	4.574	56	205366	28.118	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	284159	26.811	ug/L	100
31) Carbon tetrachloride	4.728	117	265492	26.812	ug/L	100
33) Benzene	5.005	78	640489	27.531	ug/L	100
34) Trichloroethene	5.828	95	205519	26.994	ug/L	100
35) Methylcyclohexane	6.043	83	287974	28.407	ug/L	100
37) 1,2-Dichloropropane	6.088	63	148051	27.652	ug/L	100
38) Bromodichloromethane	6.429	83	232059	26.583	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	245431	27.129	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	136488	55.944	ug/L	100
42) Toluene	7.310	91	729871	28.325	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	217591	27.789	ug/L	100

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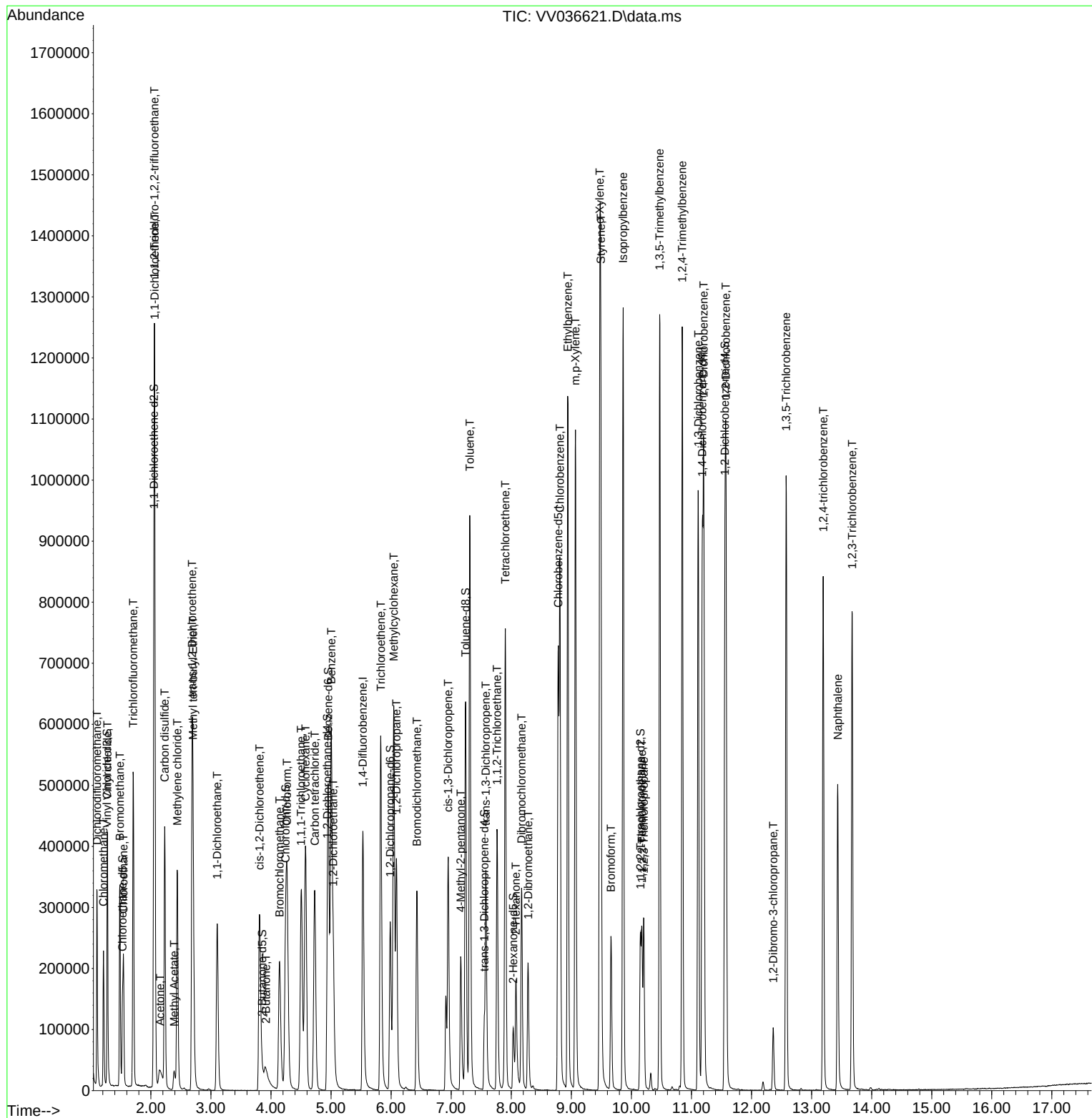
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	141284	27.057	ug/L	100
46) Tetrachloroethene	7.902	164	184669	24.444	ug/L	100
48) 2-Hexanone	8.079	43	112748	59.294	ug/L	100
49) Dibromochloromethane	8.172	129	176575	26.840	ug/L	100
50) 1,2-Dibromoethane	8.281	107	144962	27.632	ug/L	100
51) Chlorobenzene	8.809	112	495855	26.577	ug/L	100
52) Ethylbenzene	8.940	91	795189	28.054	ug/L	100
53) m,p-Xylene	9.069	106	319769	28.896	ug/L	100
54) o-Xylene	9.474	106	301145	28.323	ug/L	100
55) Styrene	9.490	104	533737	29.604	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	123416	26.085	ug/L	100
59) Bromoform	9.661	173	118660	26.440	ug/L	100
60) Isopropylbenzene	9.863	105	823894	28.253	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	111072	26.440	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	673232	29.598	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	670537	29.122	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	435387	26.709	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	441521	26.301	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	401279	26.475	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	26512	26.800	ug/L	100
69) 1,3,5-Trichlorobenzene	12.577	180	332911	25.889	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	274942	26.321	ug/L	100
71) Naphthalene	13.435	128	414547	27.100	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	255817	27.142	ug/L	100

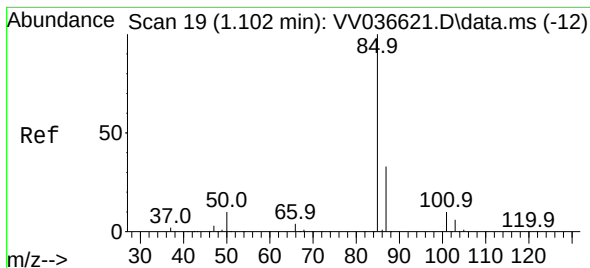
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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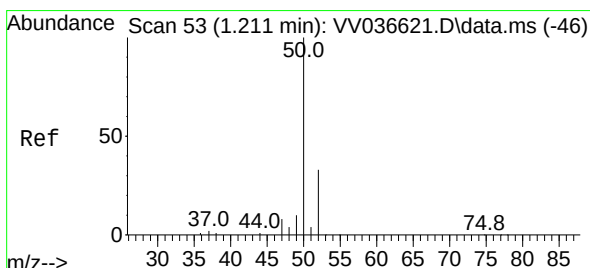
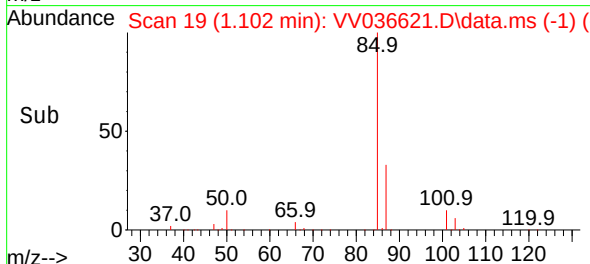
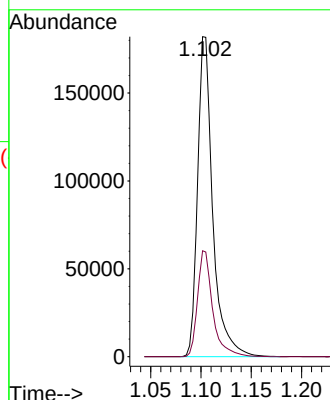
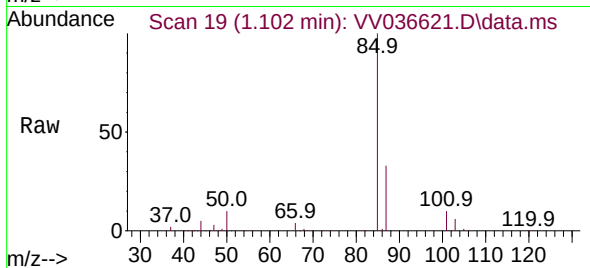




#2
Dichlorodifluoromethane
Concen: 27.655 ug/L
RT: 1.102 min Scan# 19
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

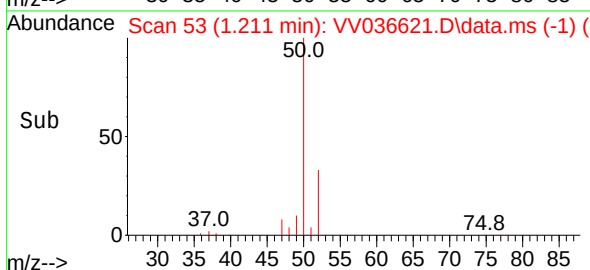
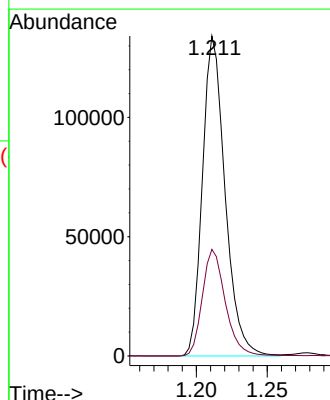
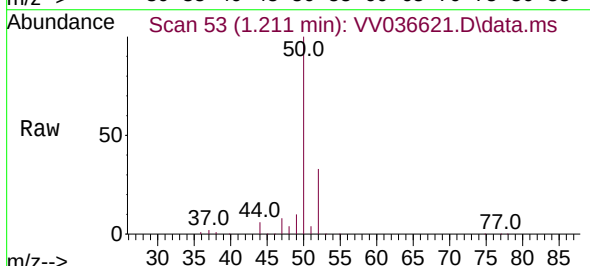
Instrument :
MSVOA_V
ClientSampleId :

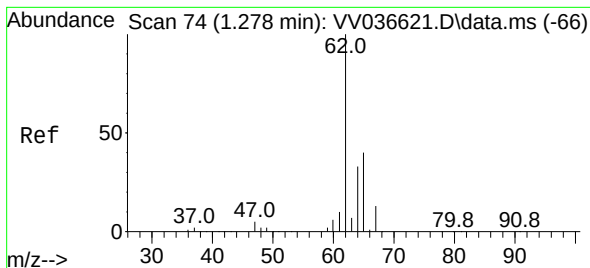
Tgt Ion: 85 Resp: 191059
Ion Ratio Lower Upper
85 100
87 33.1 26.5 39.7



#3
Chloromethane
Concen: 28.020 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 50 Resp: 148935
Ion Ratio Lower Upper
50 100
52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 27.886 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

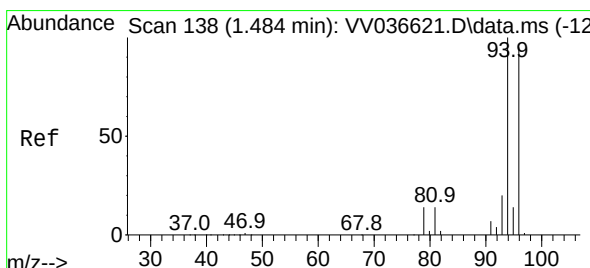
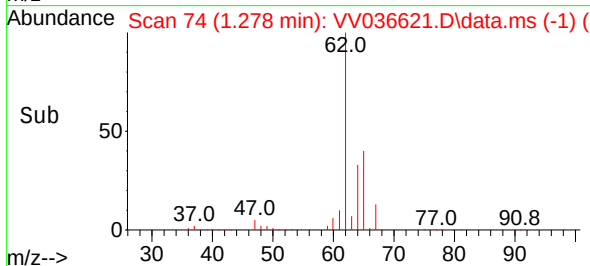
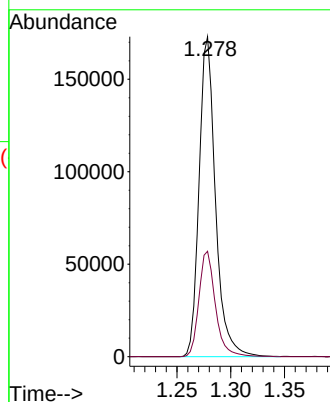
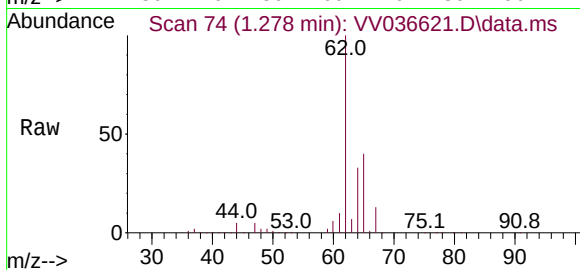
ClientSampleId :

Tgt Ion: 62 Resp: 183298

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 27.333 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036621.D

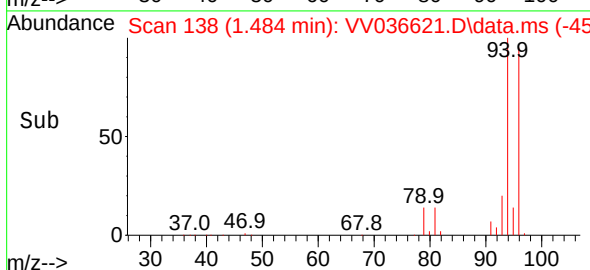
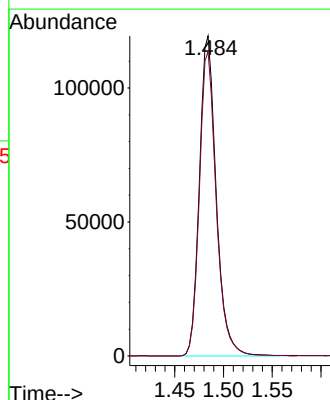
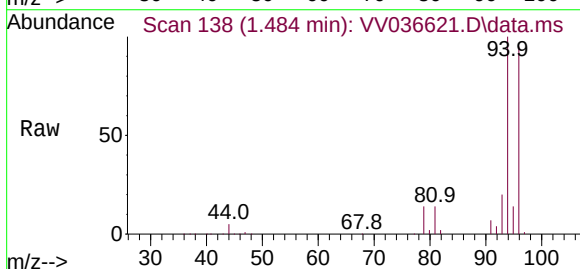
Acq: 22 Jul 2024 09:43

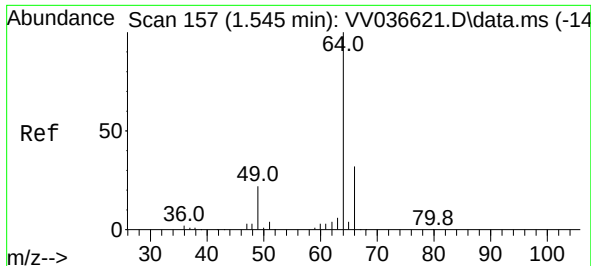
Tgt Ion: 94 Resp: 143649

Ion Ratio Lower Upper

94 100

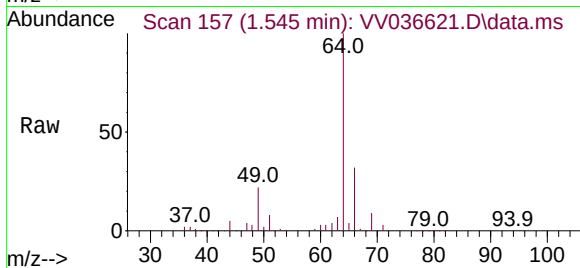
96 95.1 66.6 123.6



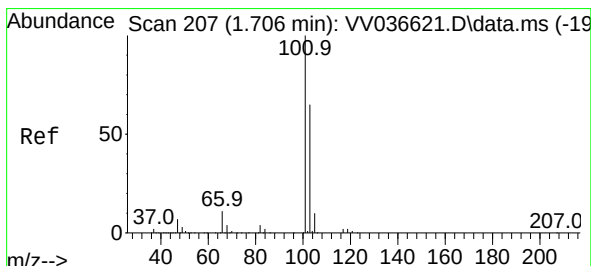
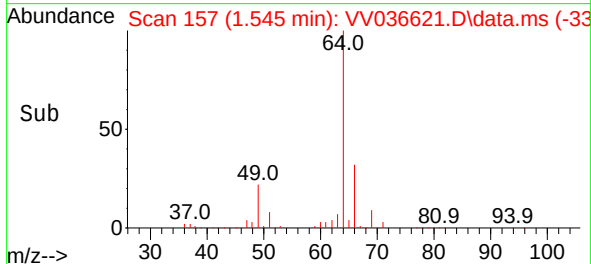
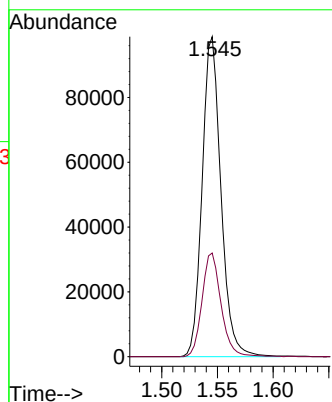


#8
Chloroethane
Concen: 27.271 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Instrument :
MSVOA_V
ClientSampleId :

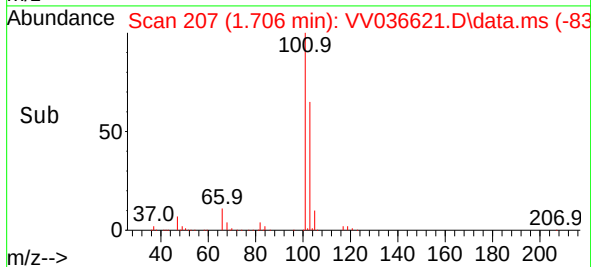
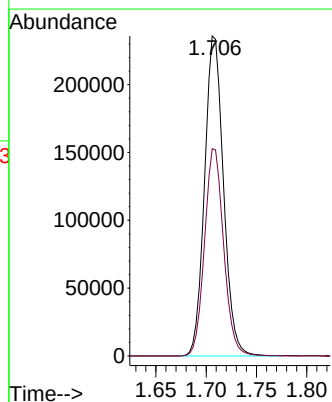
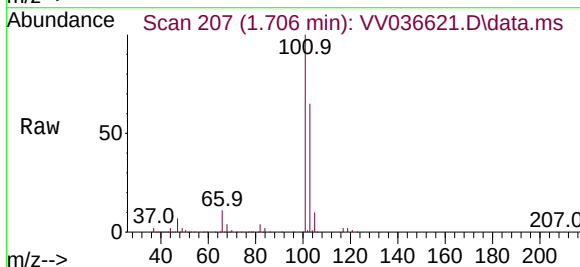


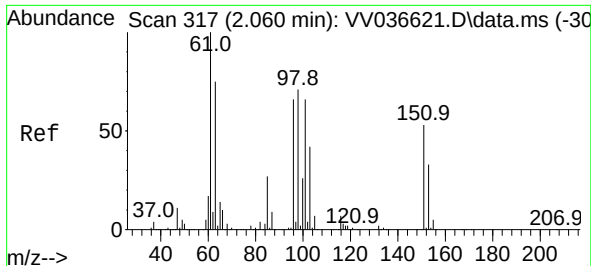
Tgt Ion: 64 Resp: 116168
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 27.128 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion:101 Resp: 309608
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 26.976 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

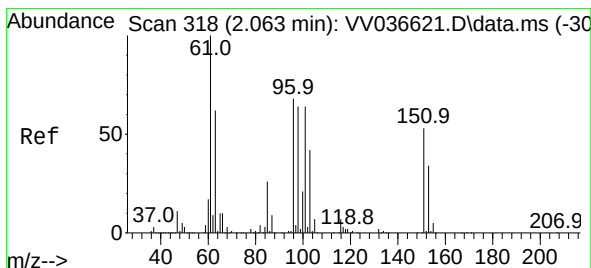
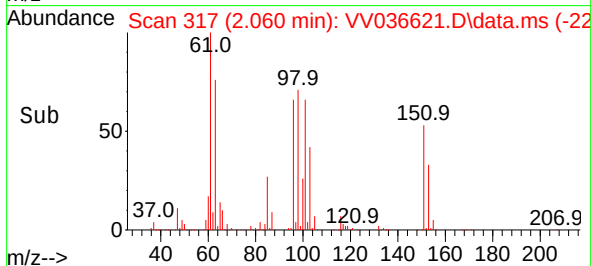
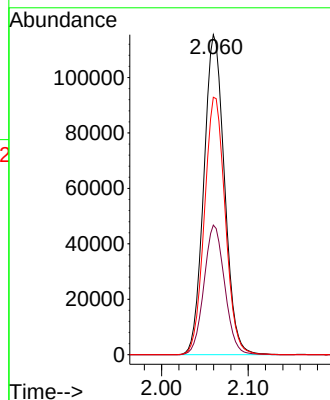
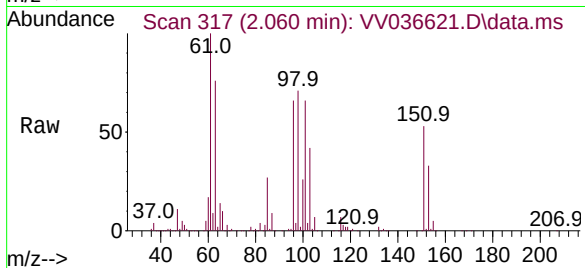
Tgt Ion:101 Resp: 191564

Ion Ratio Lower Upper

101 100

85 40.5 32.4 48.6

151 81.1 64.9 97.3



#12

1,1-Dichloroethene

Concen: 27.385 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

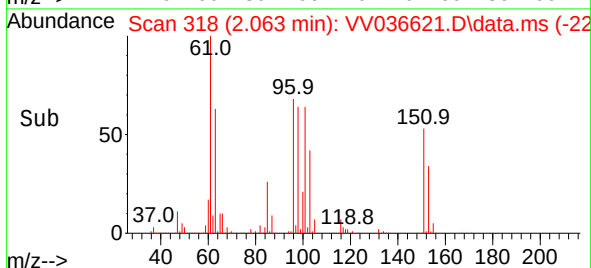
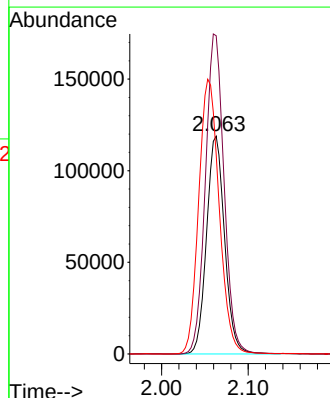
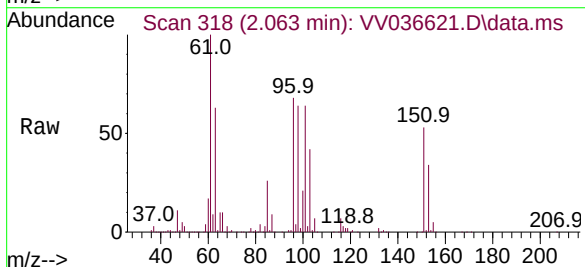
Tgt Ion: 96 Resp: 172103

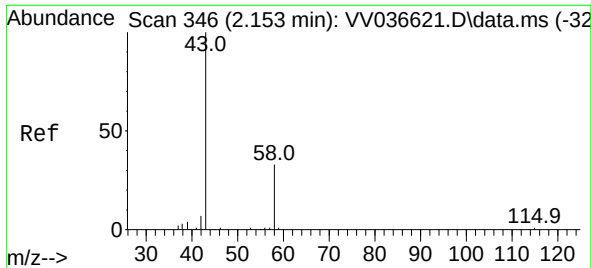
Ion Ratio Lower Upper

96 100

61 146.1 102.3 189.9

63 91.6 64.1 119.1





#13

Acetone

Concen: 56.075 ug/L

RT: 2.153 min Scan# 346

Delta R.T. 0.000 min

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Acq: 22 Jul 2024 09:43

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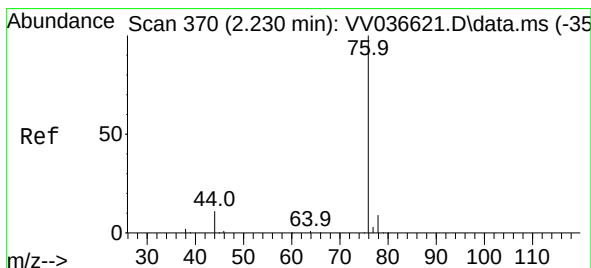
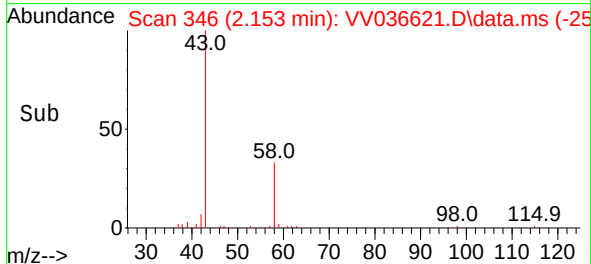
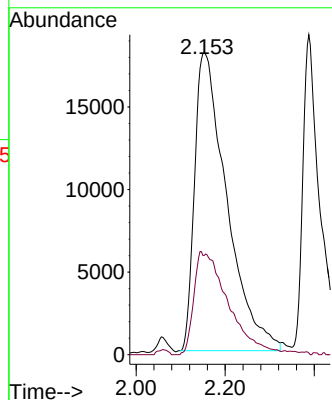
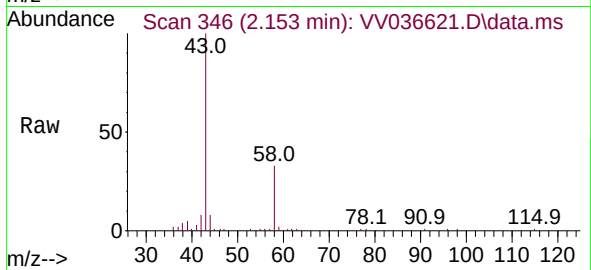
ClientSampleId :

Tgt Ion: 43 Resp: 90568

Ion Ratio Lower Upper

43 100

58 11.5 0.0 23.0



#14

Carbon disulfide

Concen: 28.360 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036621.D

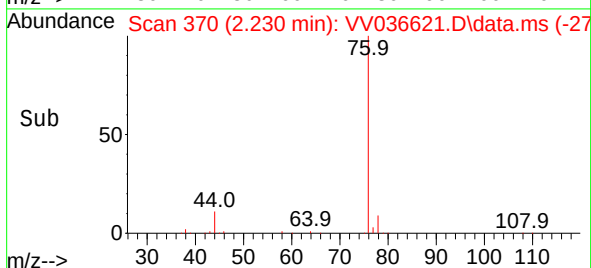
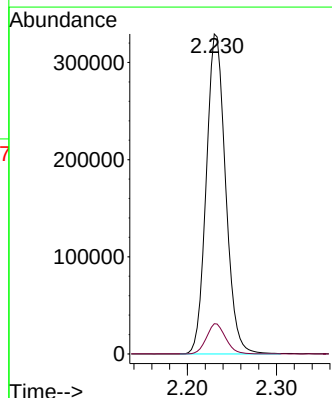
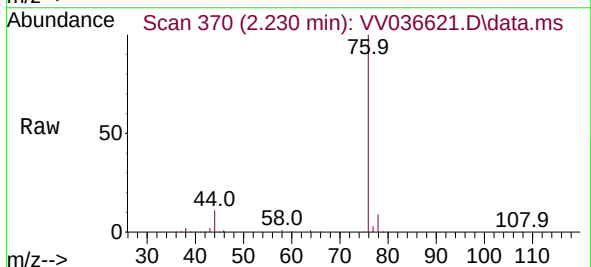
Acq: 22 Jul 2024 09:43

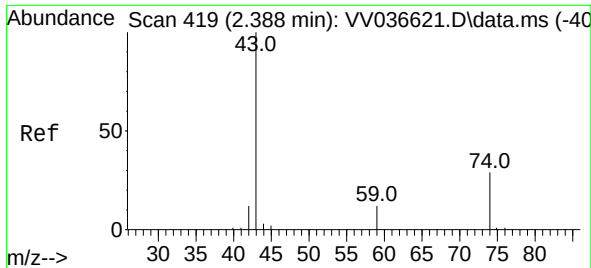
Tgt Ion: 76 Resp: 494689

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

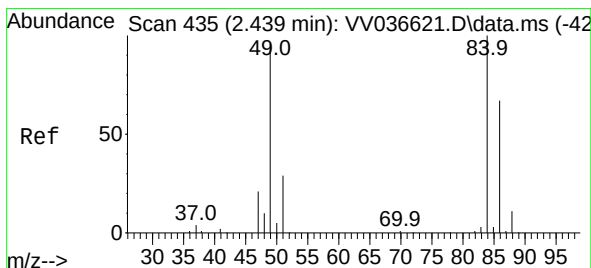
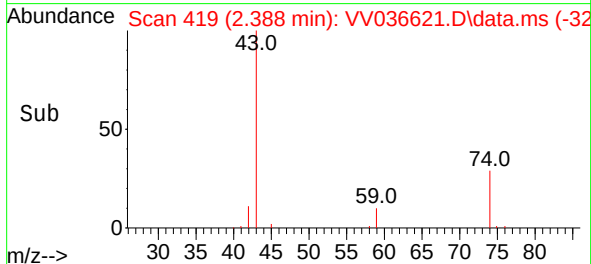
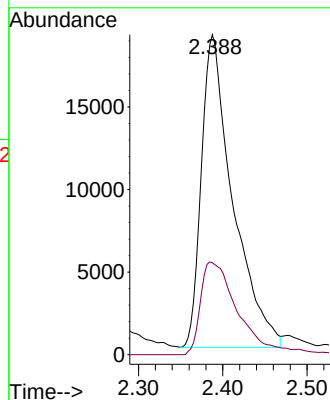
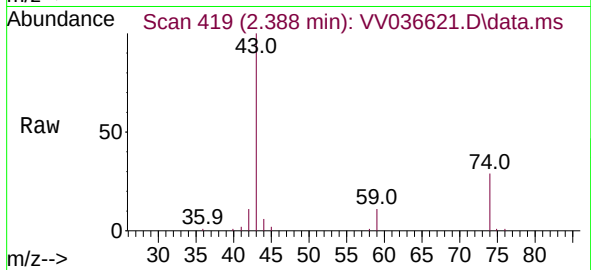




#15
Methyl Acetate
Concen: 24.847 ug/L
RT: 2.388 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

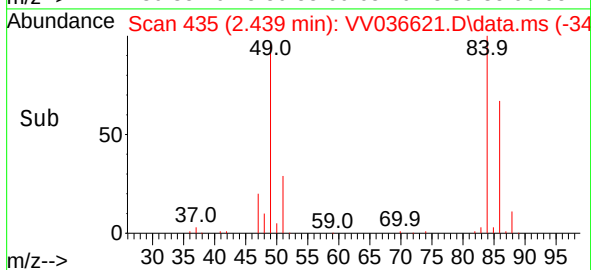
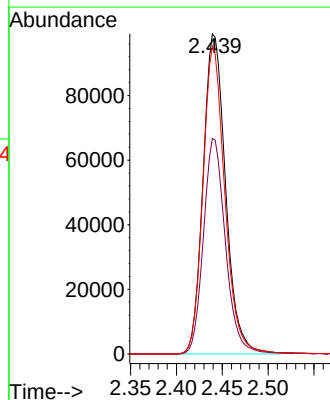
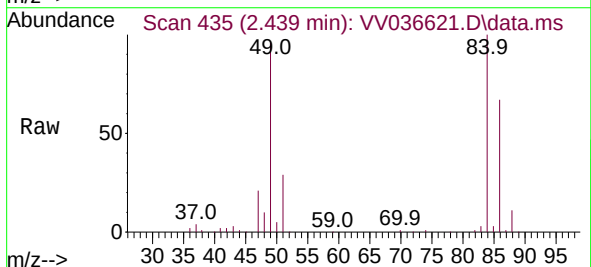
Instrument :
MSVOA_V
ClientSampleId :

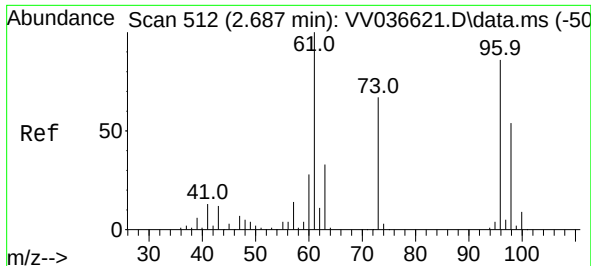
Tgt Ion: 43 Resp: 49033
Ion Ratio Lower Upper
43 100
74 34.8 27.8 41.8



#16
Methylene chloride
Concen: 22.333 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 84 Resp: 169281
Ion Ratio Lower Upper
84 100
86 67.4 47.2 87.6
49 96.2 67.3 125.1

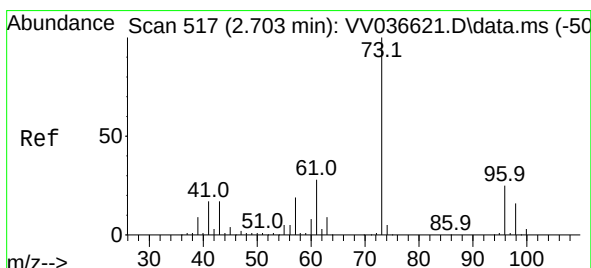
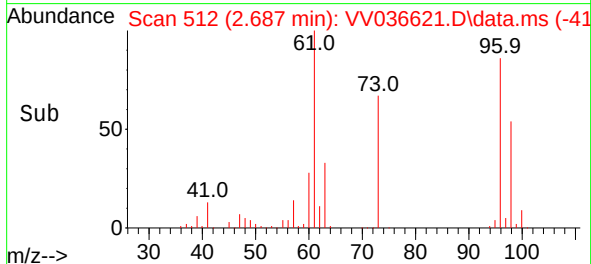
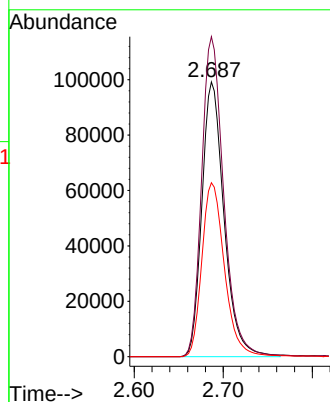
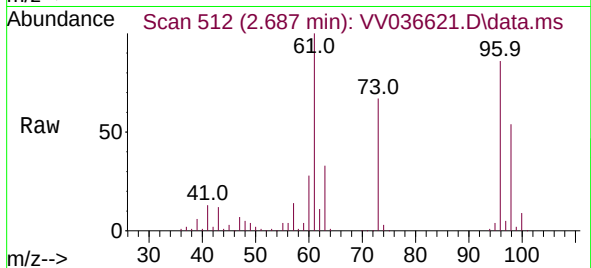




#17
trans-1,2-Dichloroethene
Concen: 27.018 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

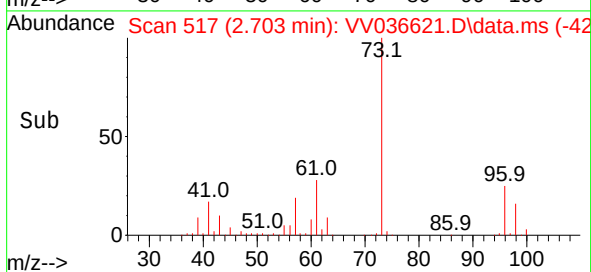
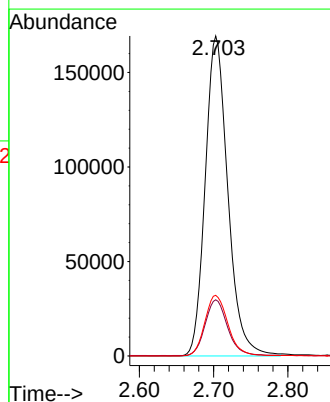
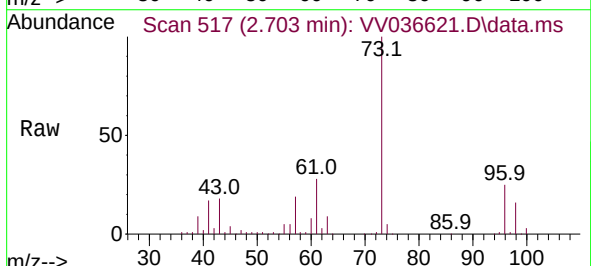
Instrument :
MSVOA_V
ClientSampleId :

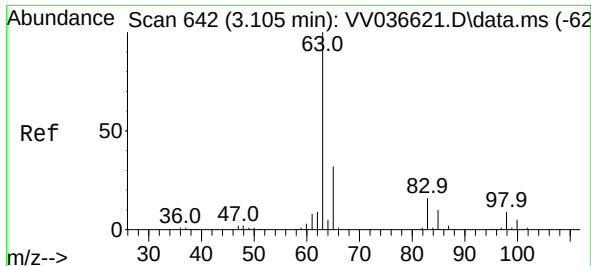
Tgt Ion: 96 Resp: 171480
Ion Ratio Lower Upper
96 100
61 116.5 81.5 151.5
98 63.3 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 26.934 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

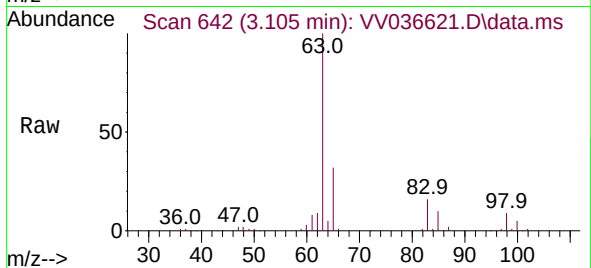
Tgt Ion: 73 Resp: 358547
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.6
57 19.3 15.4 23.2



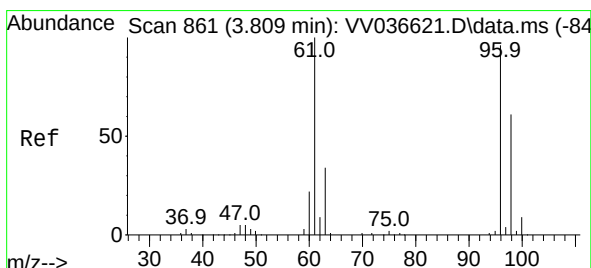
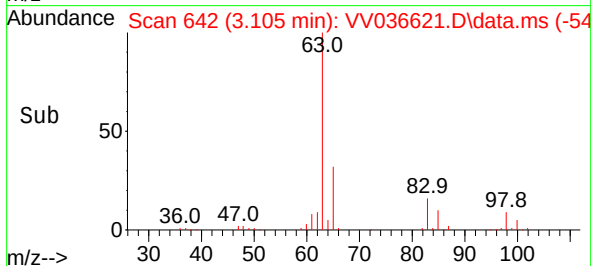
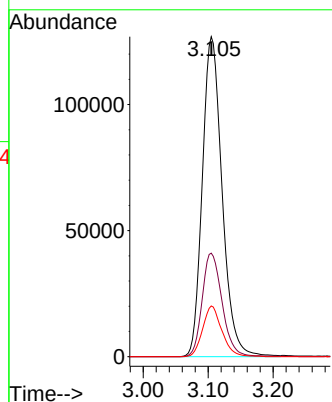


#19
1,1-Dichloroethane
Concen: 27.072 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Instrument :
MSVOA_V
ClientSampleId :

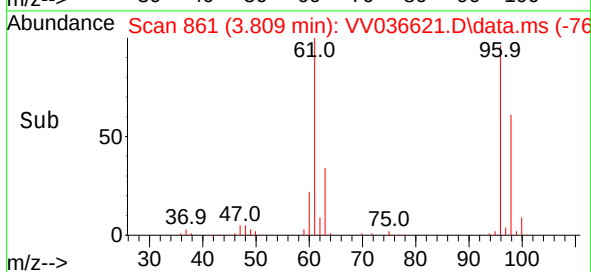
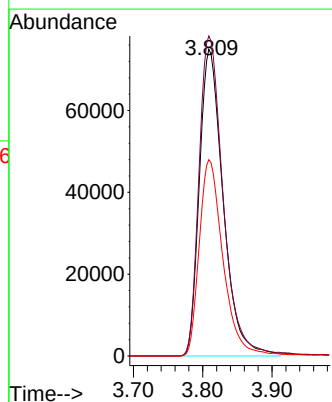
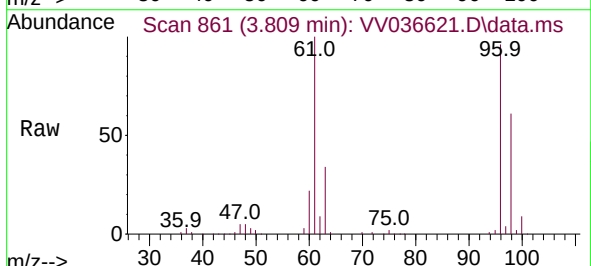


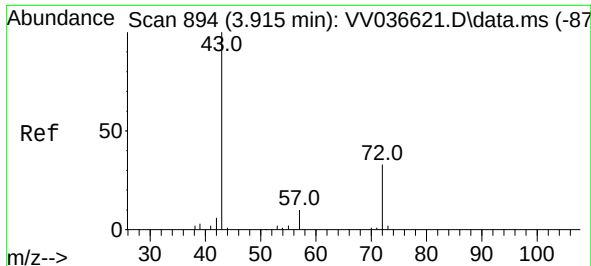
Tgt Ion: 63 Resp: 269577
Ion Ratio Lower Upper
63 100
65 32.4 22.7 42.1
83 15.9 11.1 20.7



#20
cis-1,2-Dichloroethene
Concen: 27.007 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 96 Resp: 179010
Ion Ratio Lower Upper
96 100
61 104.3 73.0 135.6
98 64.0 44.8 83.2

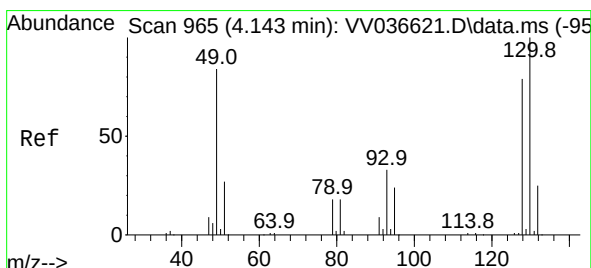
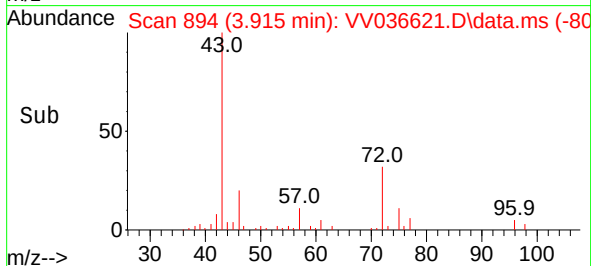
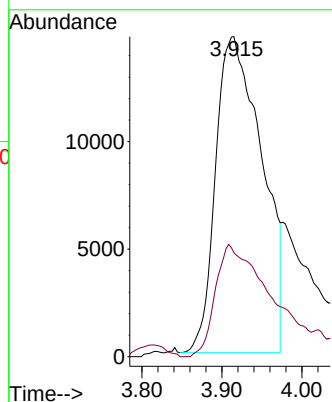
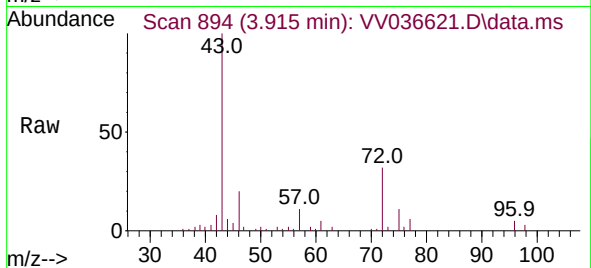




#22
2-Butanone
Concen: 45.520 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

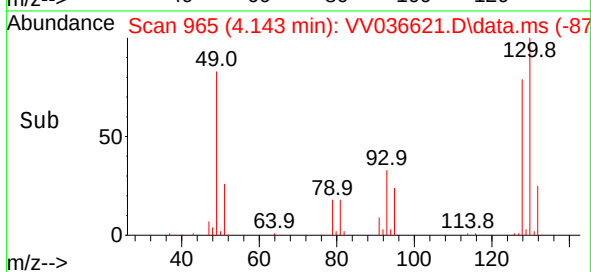
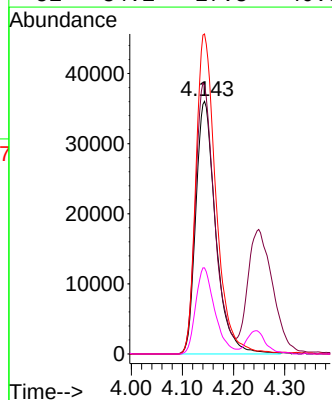
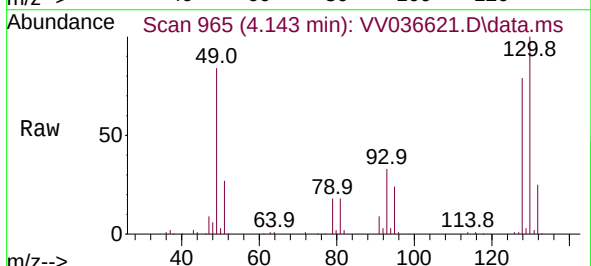
Instrument :
MSVOA_V
ClientSampleId :

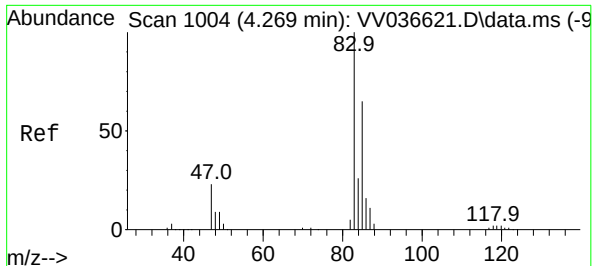
Tgt Ion: 43 Resp: 59042
Ion Ratio Lower Upper
43 100
72 42.4 15.2 45.5



#23
Bromochloromethane
Concen: 27.933 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 128 Resp: 97550
Ion Ratio Lower Upper
128 100
49 106.3 74.4 138.2
130 126.6 88.6 164.6
51 34.1 27.3 40.9





#25

Chloroform

Concen: 26.925 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

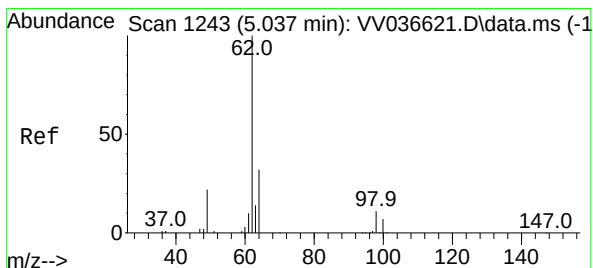
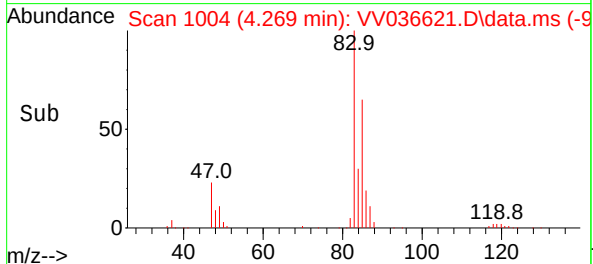
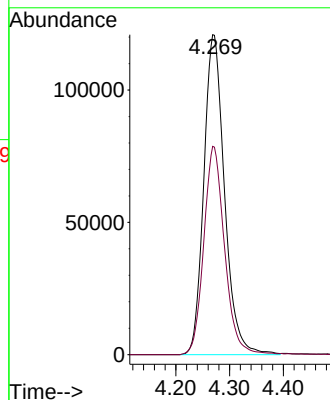
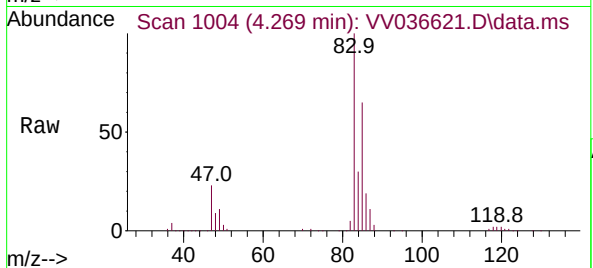
ClientSampleId :

Tgt Ion: 83 Resp: 323629

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6



#27

1,2-Dichloroethane

Concen: 26.806 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036621.D

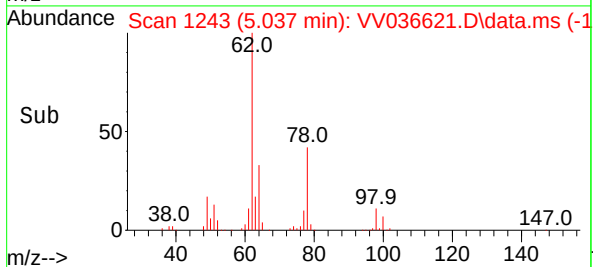
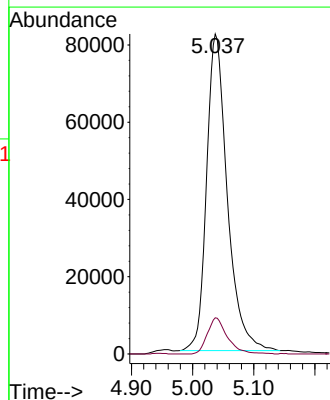
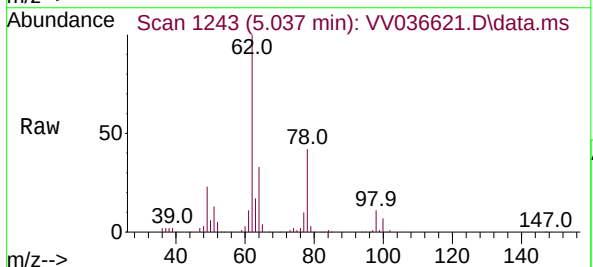
Acq: 22 Jul 2024 09:43

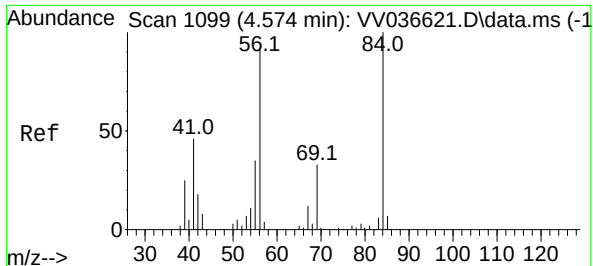
Tgt Ion: 62 Resp: 193339

Ion Ratio Lower Upper

62 100

98 11.3 9.0 13.6





#29

Cyclohexane

Concen: 28.118 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

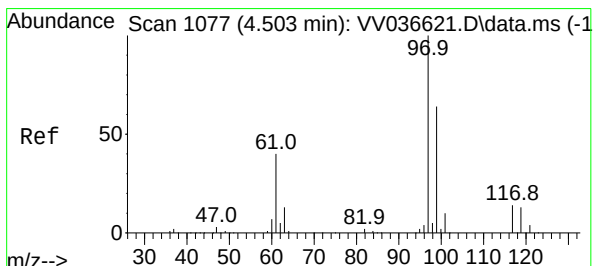
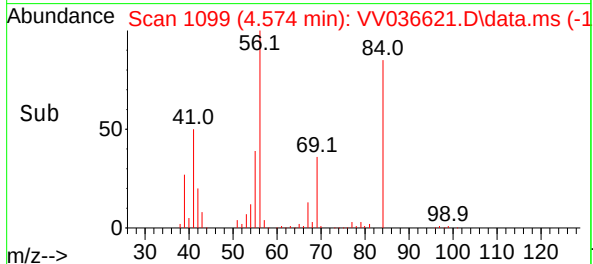
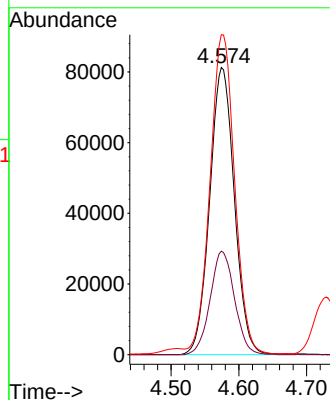
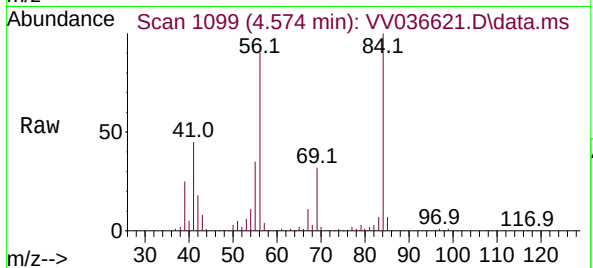
Tgt Ion: 56 Resp: 205366

Ion Ratio Lower Upper

56 100

69 35.6 28.5 42.7

84 110.7 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 26.811 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

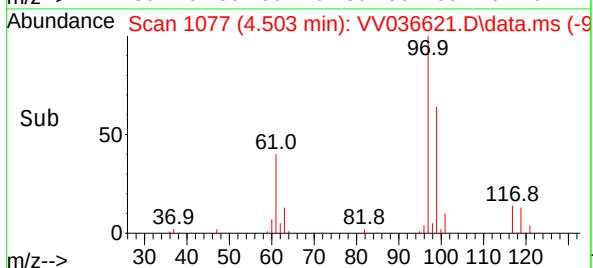
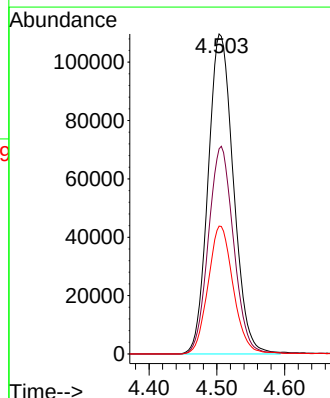
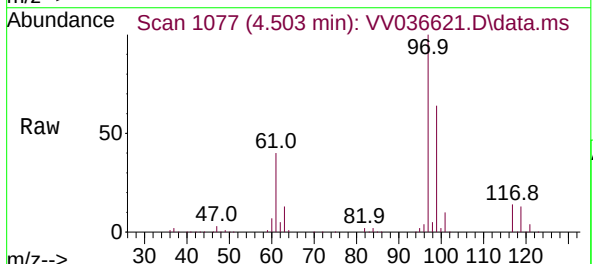
Tgt Ion: 97 Resp: 284159

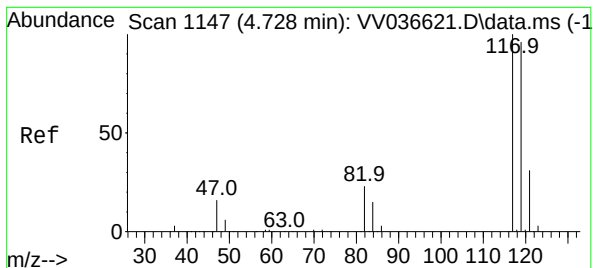
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 39.9 31.9 47.9





#31

Carbon tetrachloride

Concen: 26.812 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

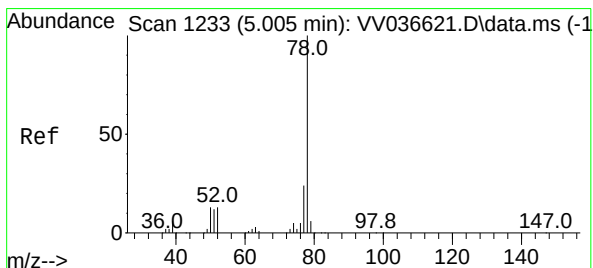
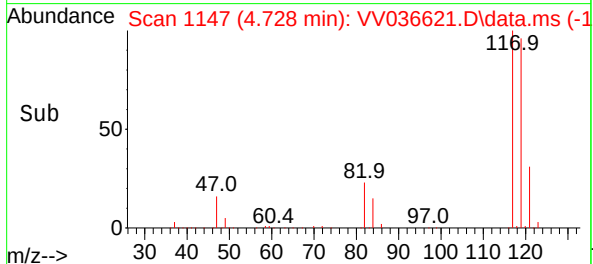
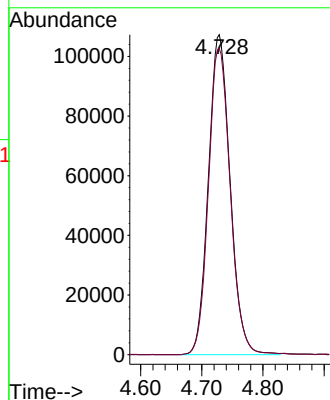
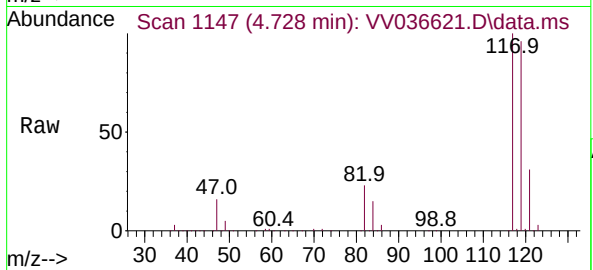
ClientSampleId :

Tgt Ion:117 Resp: 265492

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



#33

Benzene

Concen: 27.531 ug/L

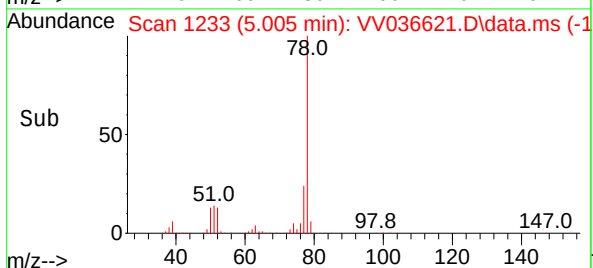
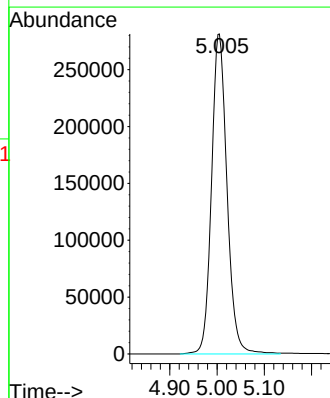
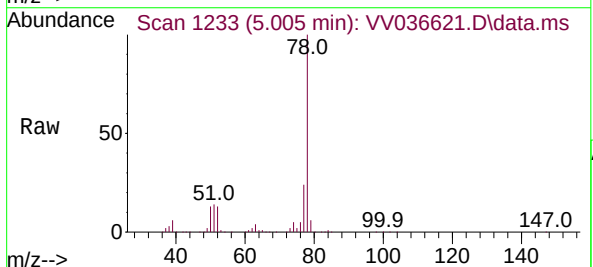
RT: 5.005 min Scan# 1233

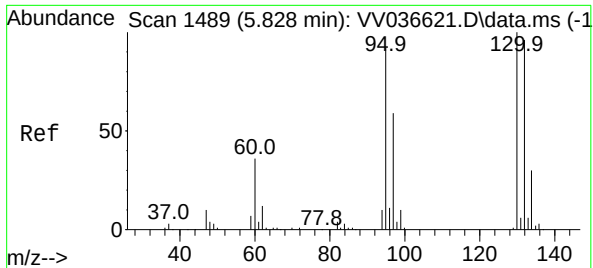
Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Tgt Ion: 78 Resp: 640489





#34

Trichloroethene

Concen: 26.994 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 205519

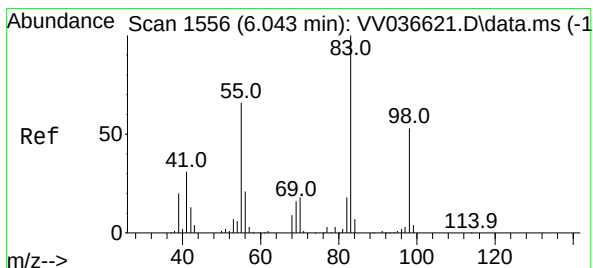
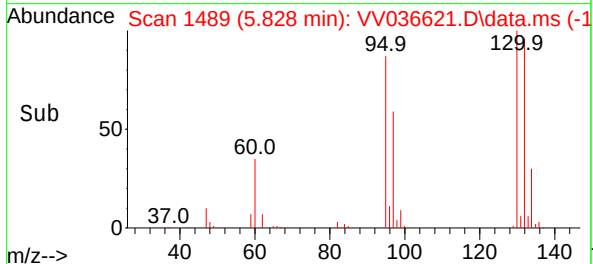
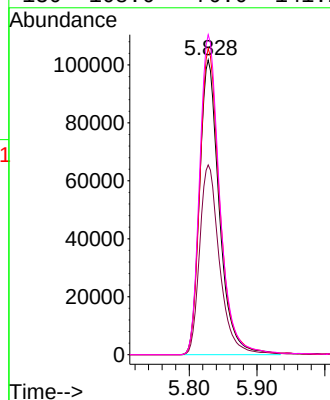
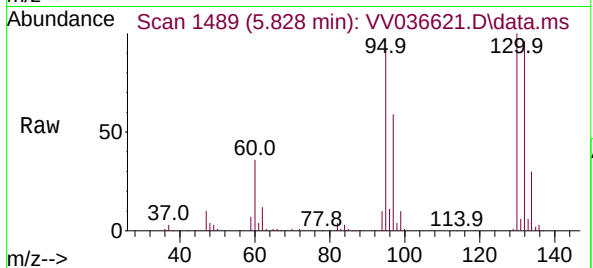
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 103.8 72.7 134.9

130 108.6 76.0 141.2



#35

Methylcyclohexane

Concen: 28.407 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

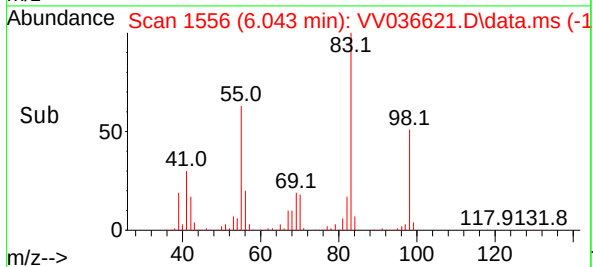
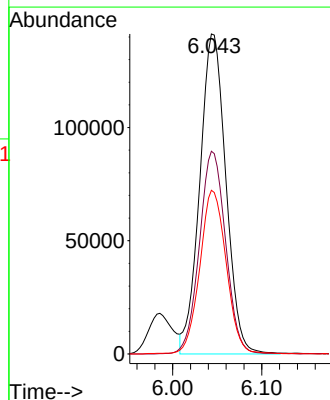
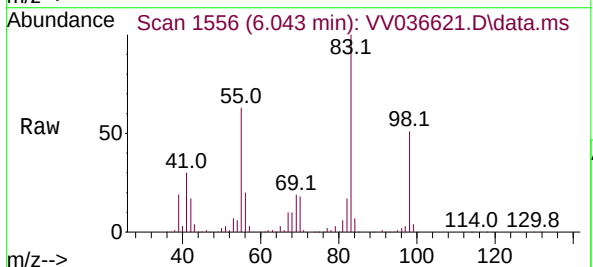
Tgt Ion: 83 Resp: 287974

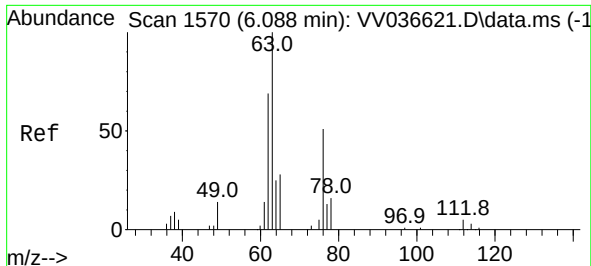
Ion Ratio Lower Upper

83 100

55 63.5 50.8 76.2

98 51.6 41.3 61.9

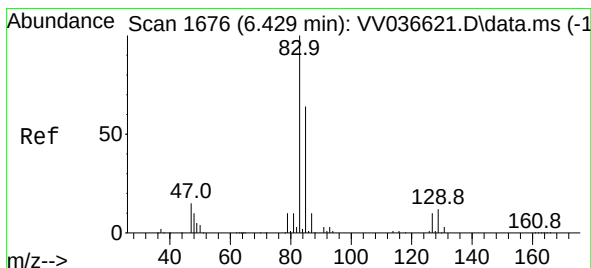
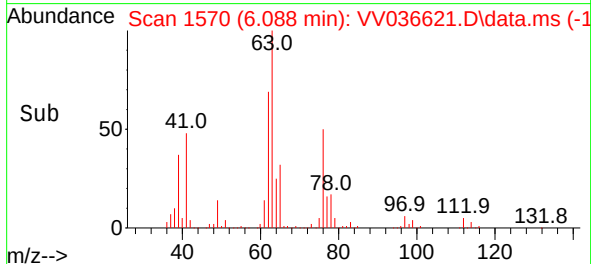
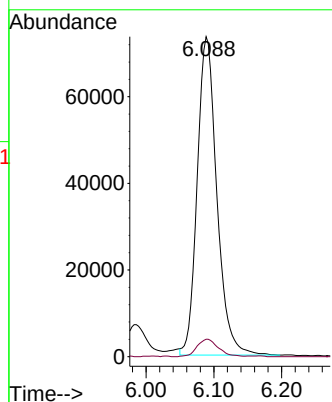
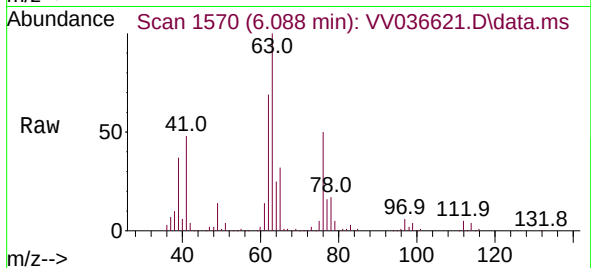




#37
1,2-Dichloropropane
Concen: 27.652 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

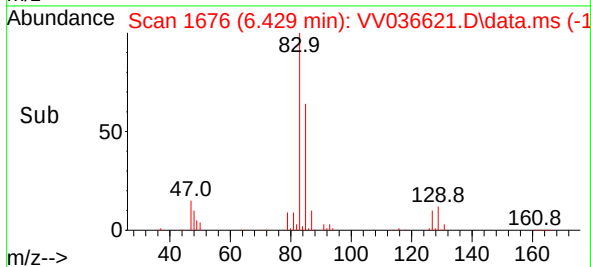
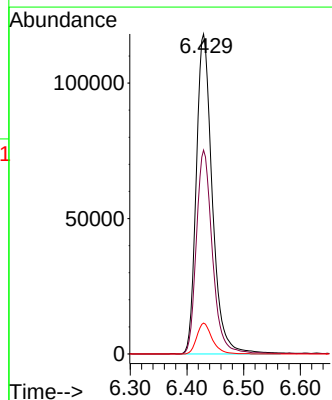
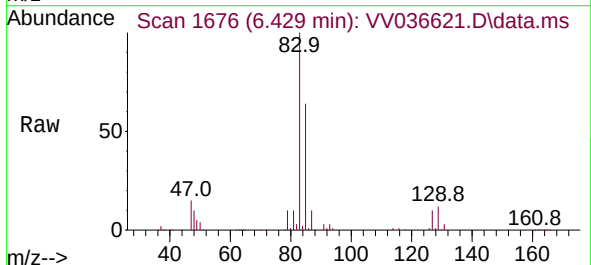
Instrument :
MSVOA_V
ClientSampleId :

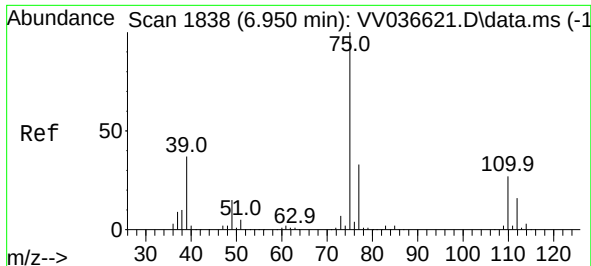
Tgt Ion: 63 Resp: 148051
Ion Ratio Lower Upper
63 100
112 6.0 4.8 7.2



#38
Bromodichloromethane
Concen: 26.583 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 83 Resp: 232059
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8
127 9.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 27.129 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

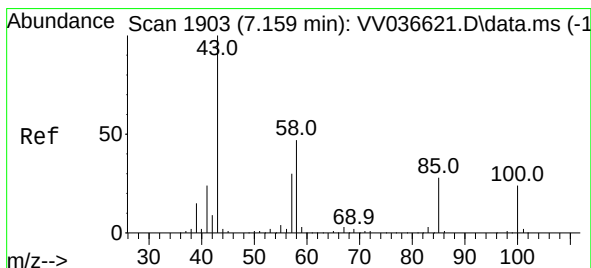
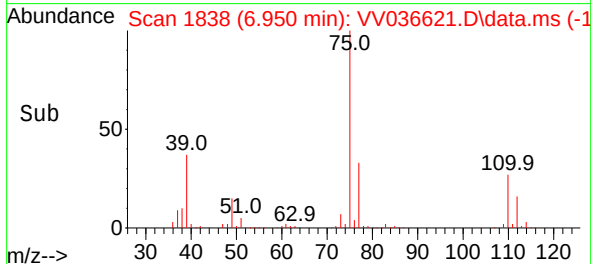
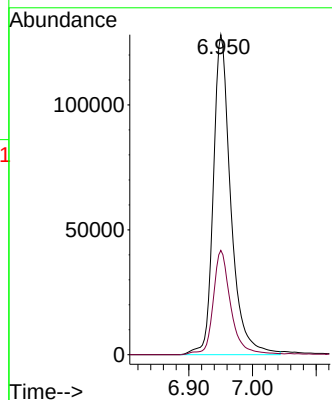
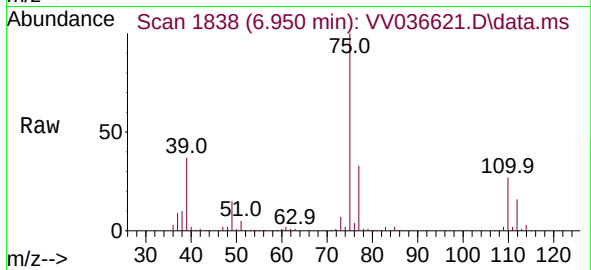
ClientSampleId :

Tgt Ion: 75 Resp: 245431

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 55.944 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

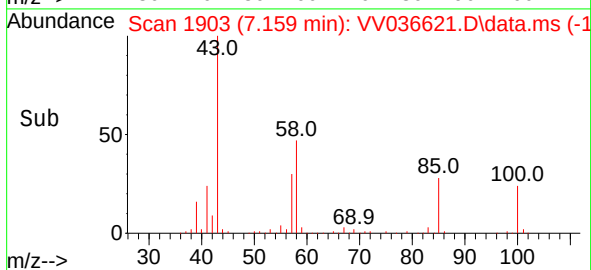
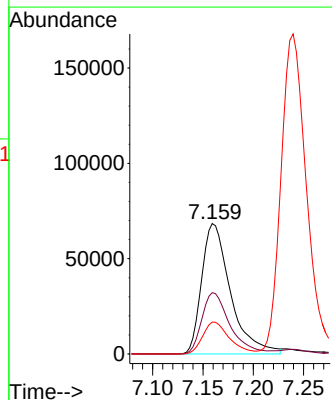
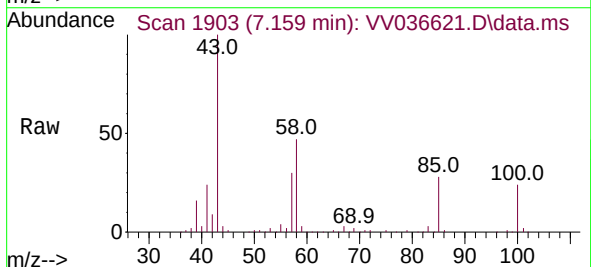
Tgt Ion: 43 Resp: 136488

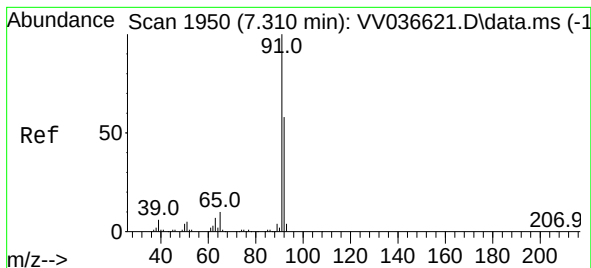
Ion Ratio Lower Upper

43 100

58 45.7 36.6 54.8

100 22.8 18.2 27.4





#42

Toluene

Concen: 28.325 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

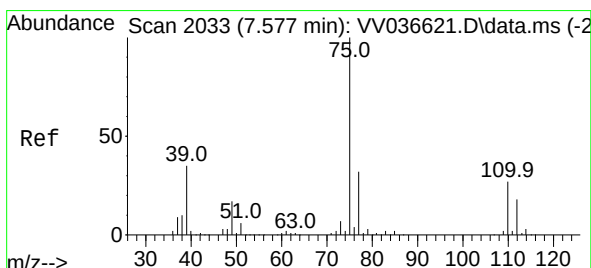
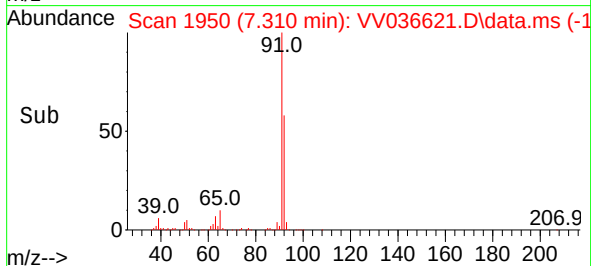
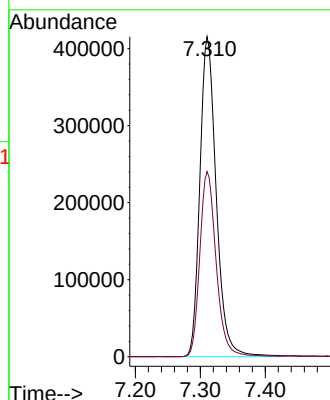
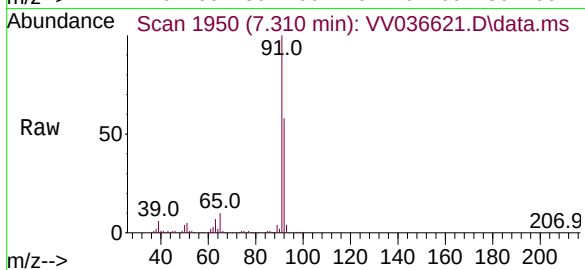
ClientSampleId :

Tgt Ion: 91 Resp: 729871

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 27.789 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036621.D

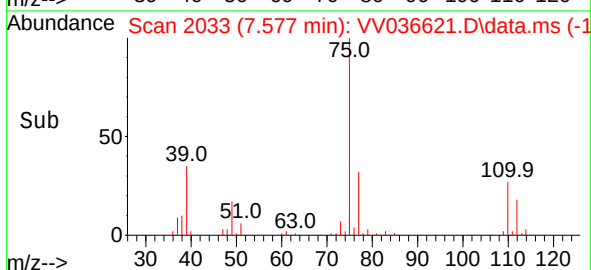
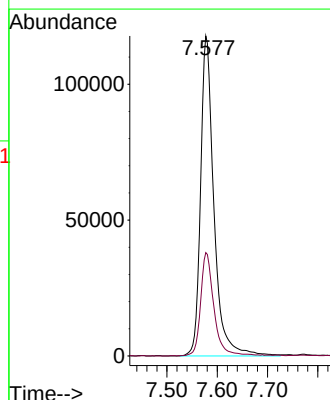
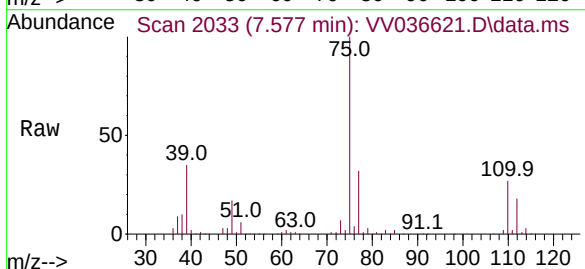
Acq: 22 Jul 2024 09:43

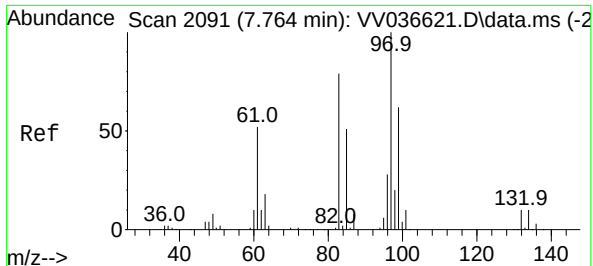
Tgt Ion: 75 Resp: 217591

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0

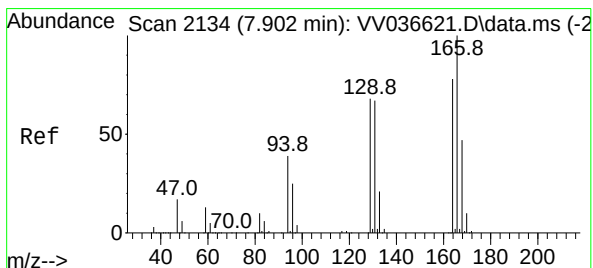
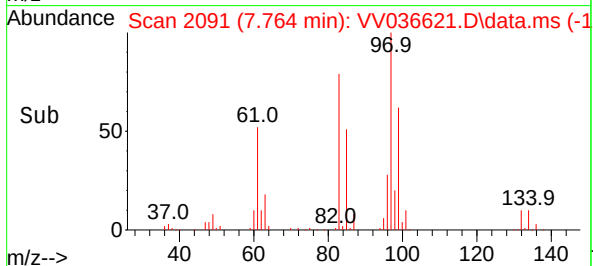
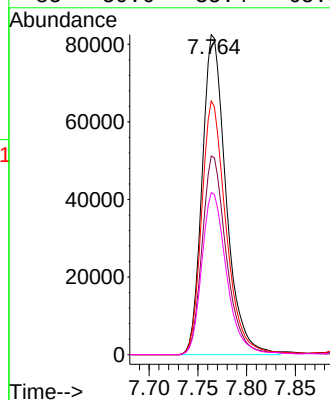
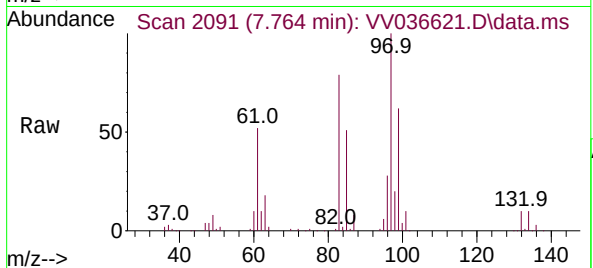




#45
1,1,2-Trichloroethane
Concen: 27.057 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

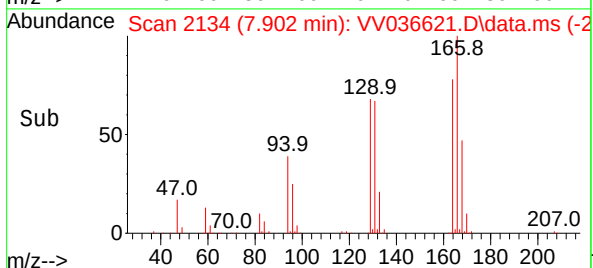
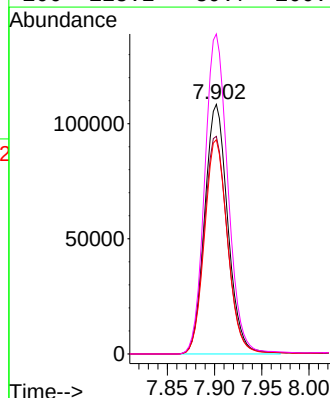
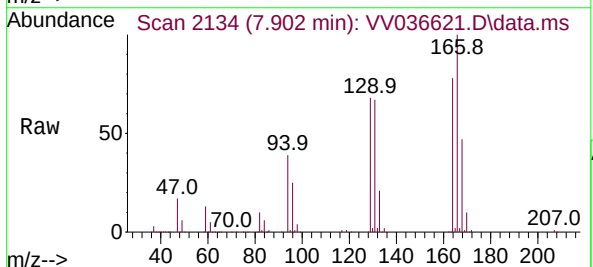
Instrument :
MSVOA_V
ClientSampleId :

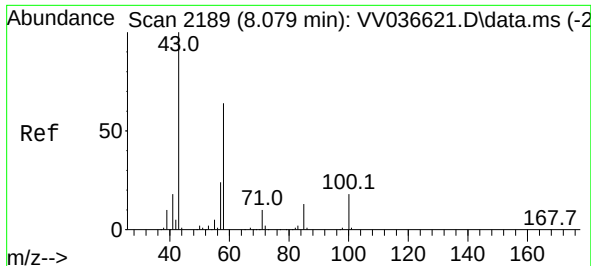
Tgt Ion:	97	Resp:	141284
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.7
83	79.2	55.4	103.0
85	50.6	35.4	65.8



#46
Tetrachloroethene
Concen: 24.444 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion:	164	Resp:	184669
Ion	Ratio	Lower	Upper
164	100		
129	87.1	61.0	113.2
131	85.8	60.1	111.5
166	128.2	89.7	166.7





#48

2-Hexanone

Concen: 59.294 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

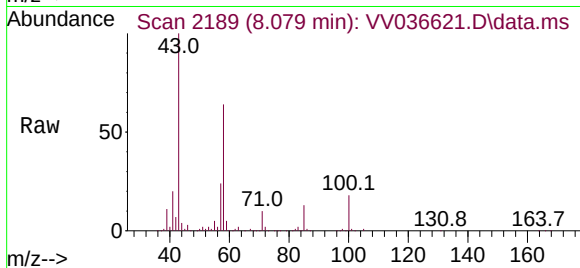
Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 112748

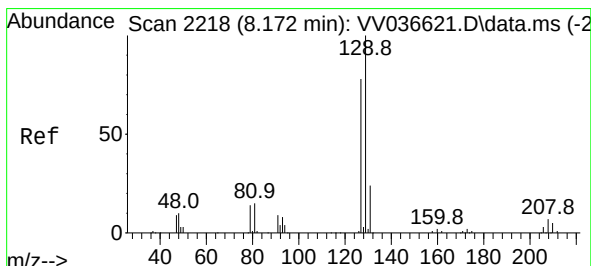
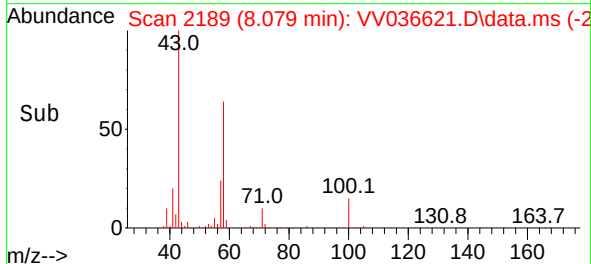
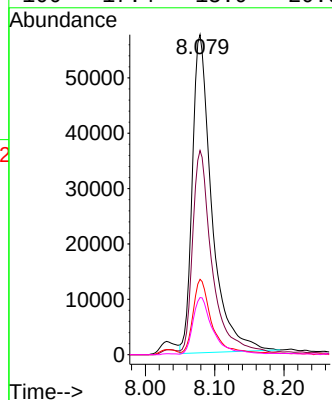
Ion Ratio Lower Upper

43 100

58 63.2 50.6 75.8

57 22.1 17.7 26.5

100 17.4 13.9 20.9



#49

Dibromochloromethane

Concen: 26.840 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036621.D

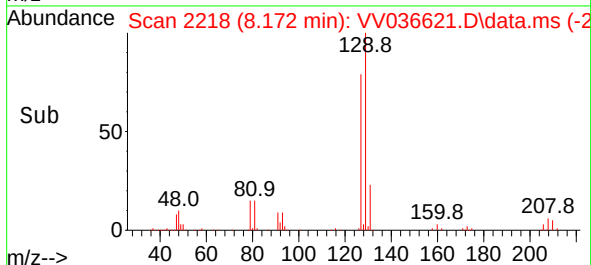
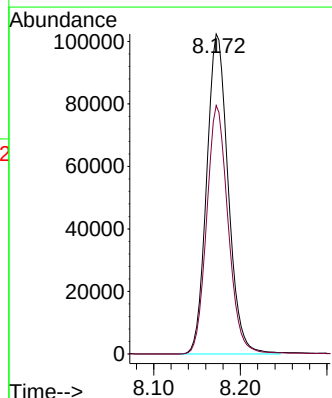
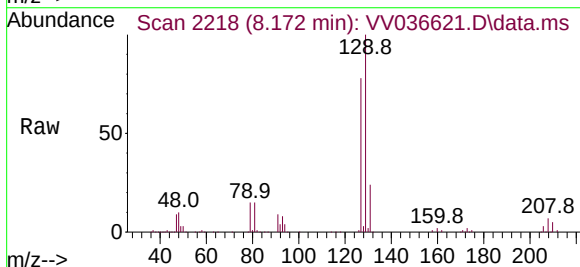
Acq: 22 Jul 2024 09:43

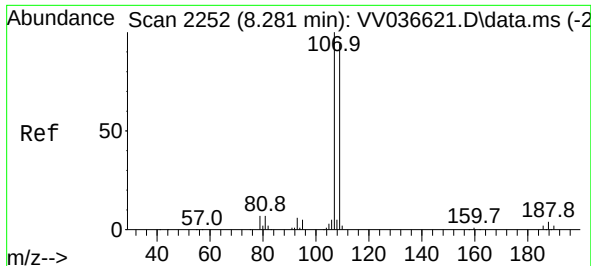
Tgt Ion: 129 Resp: 176575

Ion Ratio Lower Upper

129 100

127 77.6 54.3 100.9

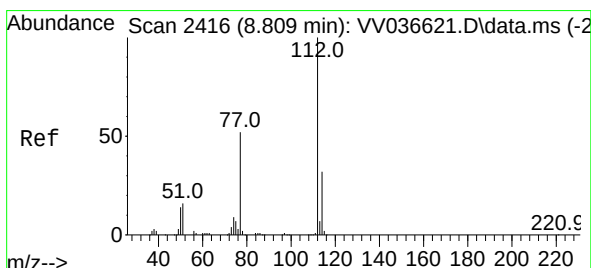
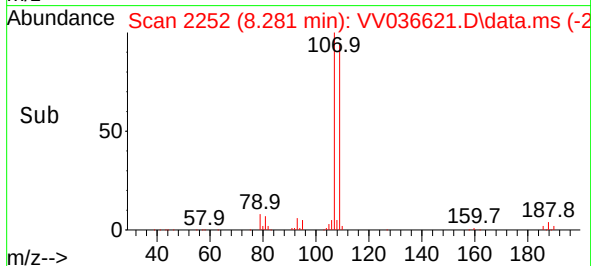
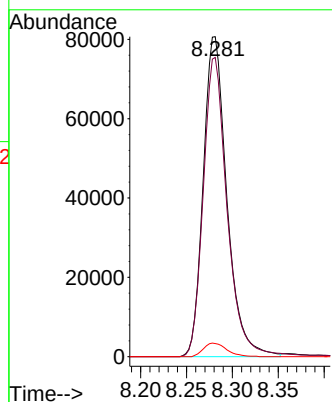
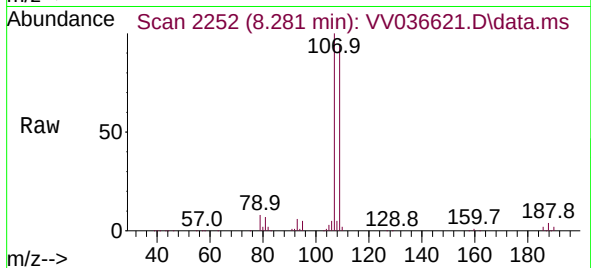




#50
1,2-Dibromoethane
Concen: 27.632 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

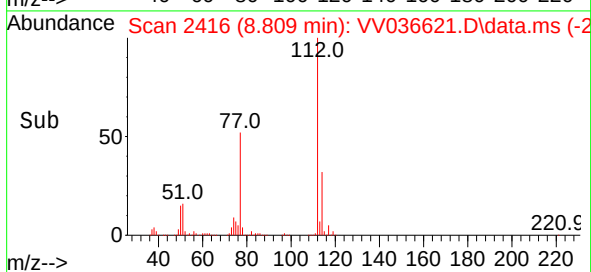
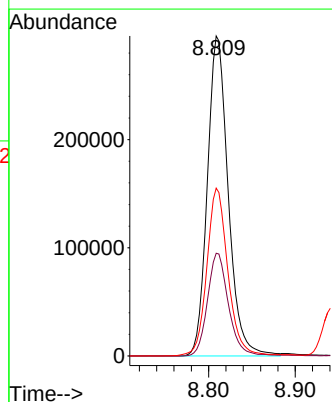
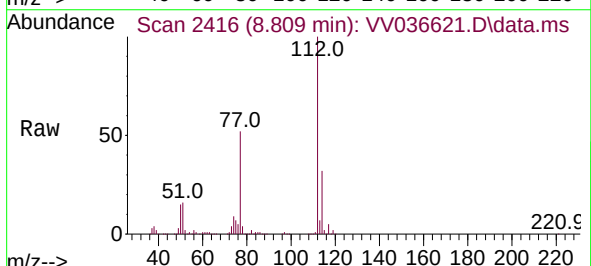
Instrument :
MSVOA_V
ClientSampleId :

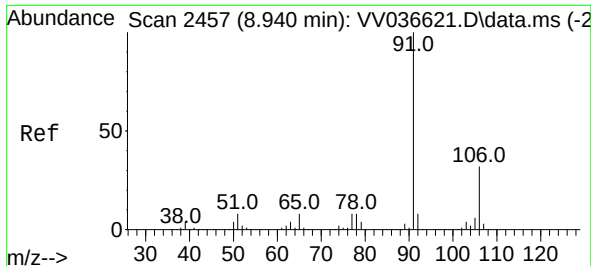
Tgt Ion:107 Resp: 144962
Ion Ratio Lower Upper
107 100
109 93.5 65.5 121.6
188 4.3 3.4 5.2



#51
Chlorobenzene
Concen: 26.577 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion:112 Resp: 495855
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 52.4 41.9 62.9





#52

Ethylbenzene

Concen: 28.054 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

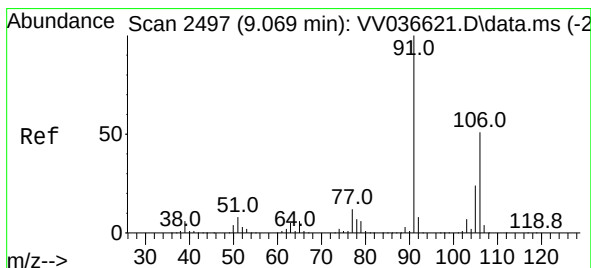
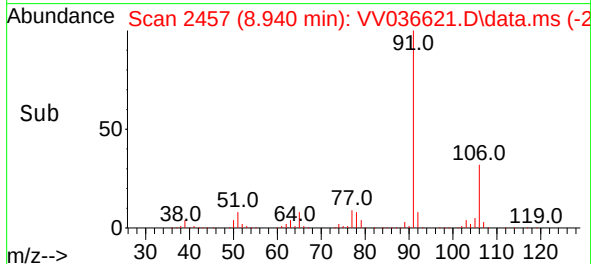
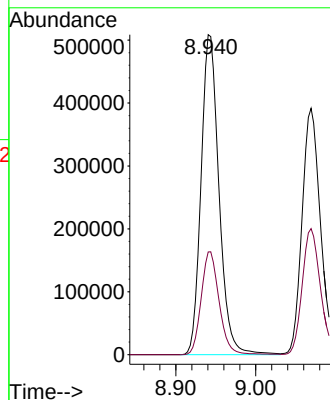
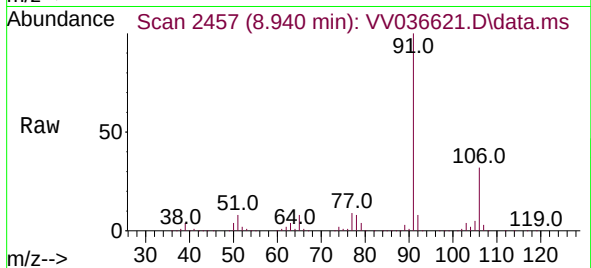
ClientSampleId :

Tgt Ion: 91 Resp: 795189

Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.7



#53

m,p-Xylene

Concen: 28.896 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036621.D

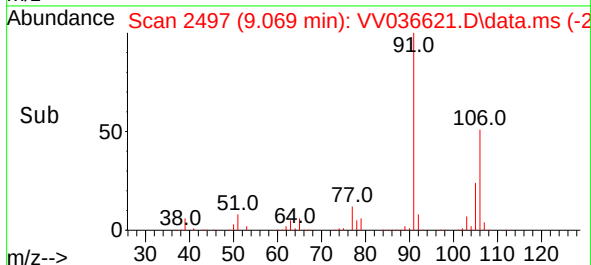
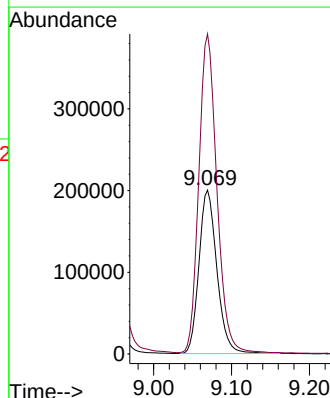
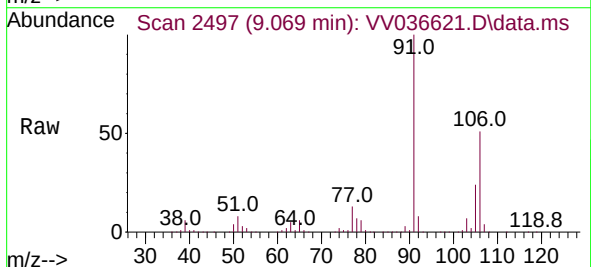
Acq: 22 Jul 2024 09:43

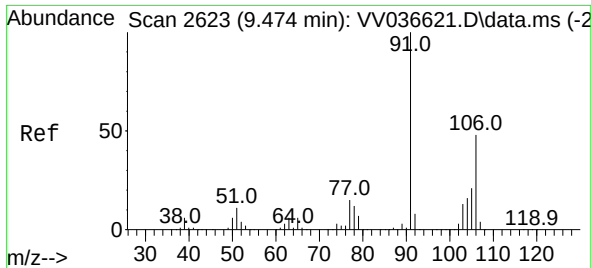
Tgt Ion:106 Resp: 319769

Ion Ratio Lower Upper

106 100

91 195.4 136.8 254.0

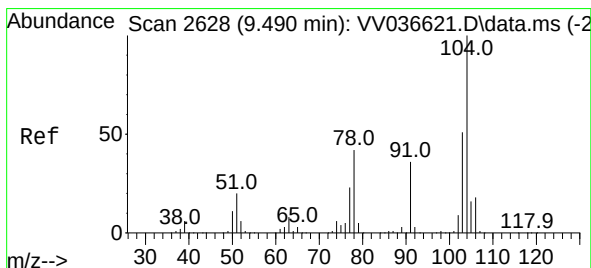
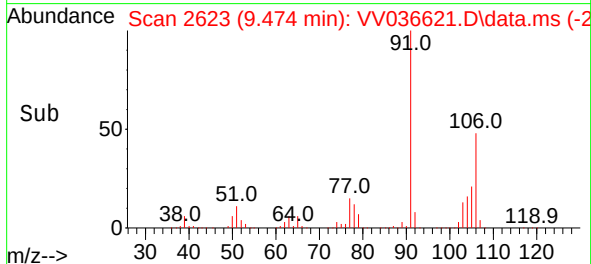
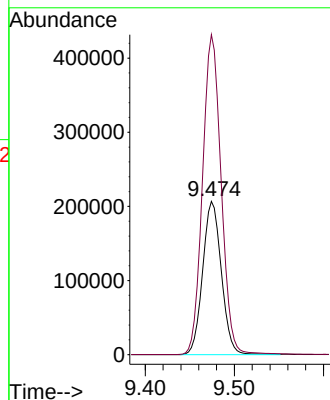
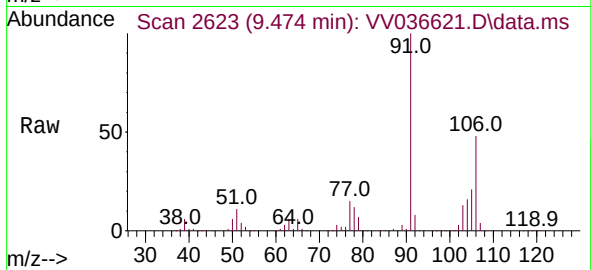




#54
o-Xylene
Concen: 28.323 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

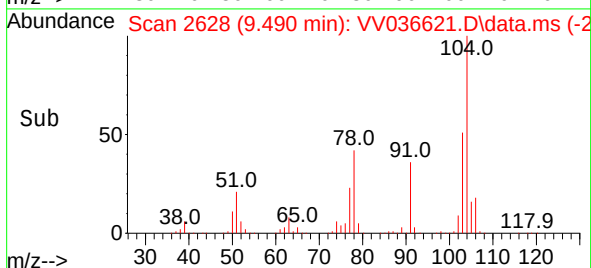
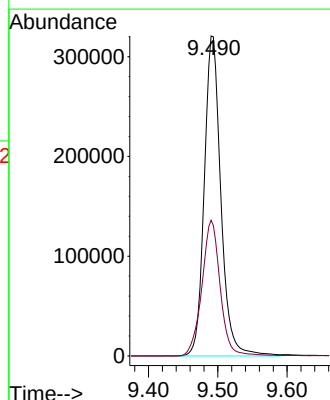
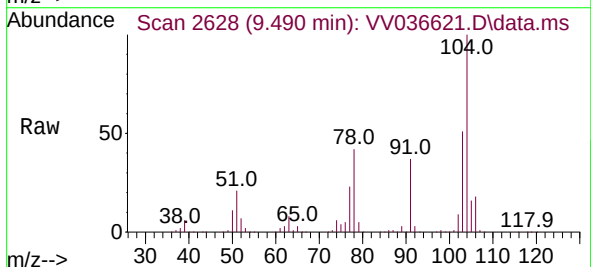
Instrument :
MSVOA_V
ClientSampleId :

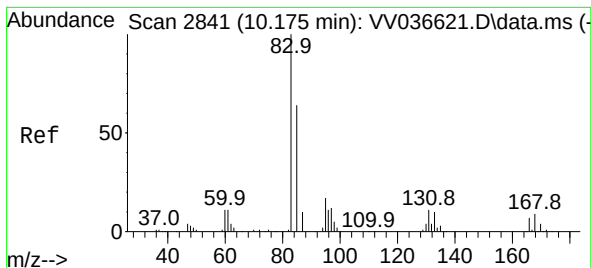
Tgt Ion:106 Resp: 301145
Ion Ratio Lower Upper
106 100
91 208.7 146.1 271.3



#55
Styrene
Concen: 29.604 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion:104 Resp: 533737
Ion Ratio Lower Upper
104 100
78 42.4 29.7 55.1





#57

1,1,2,2-Tetrachloroethane

Concen: 26.085 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

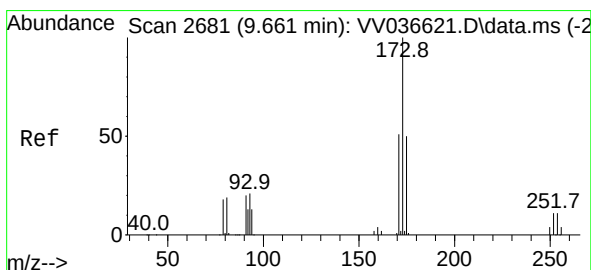
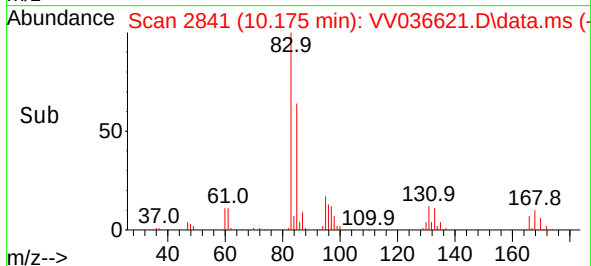
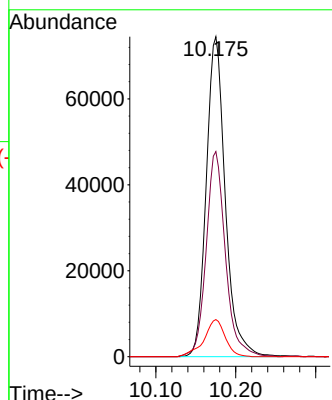
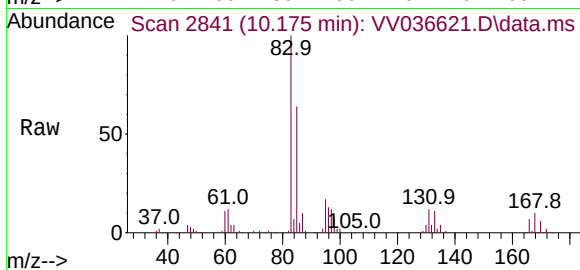
Tgt Ion: 83 Resp: 123416

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

131 11.6 9.3 13.9



#59

Bromoform

Concen: 26.440 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

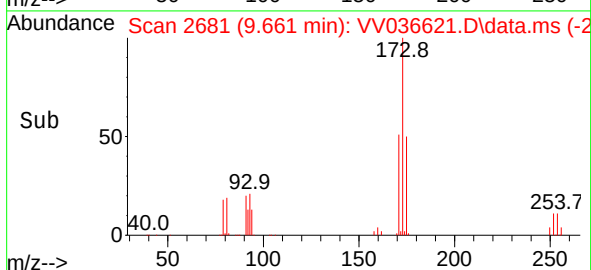
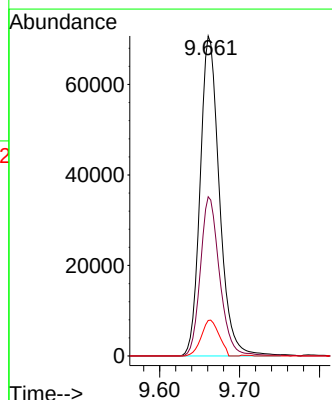
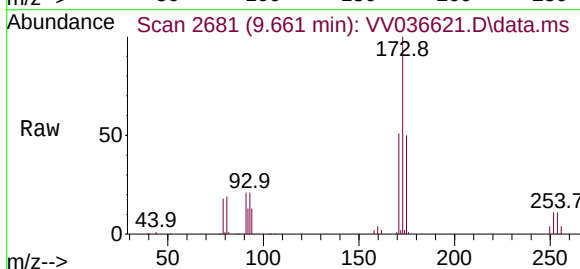
Tgt Ion: 173 Resp: 118660

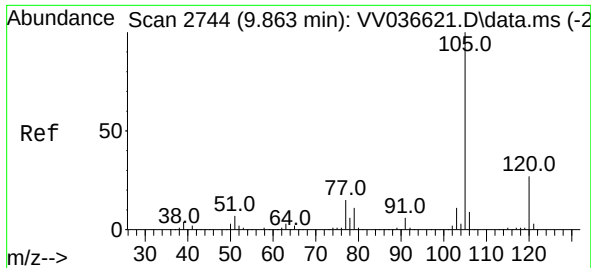
Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

254 10.3 8.2 12.4

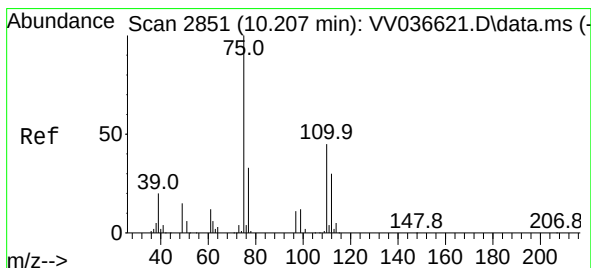
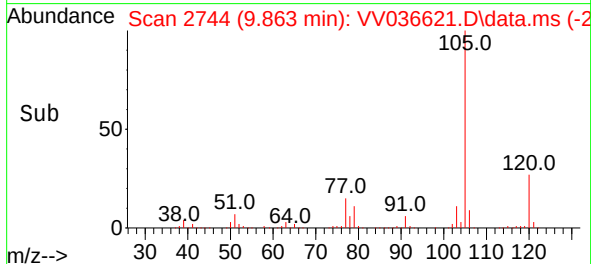
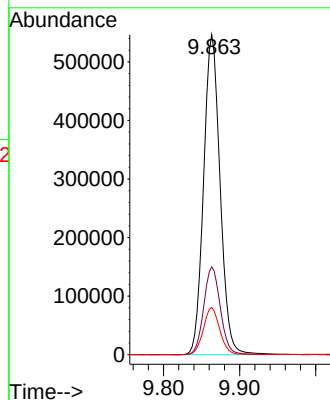
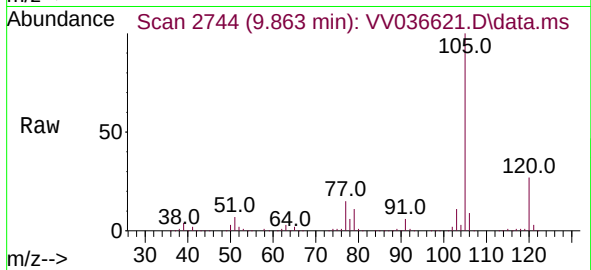




#60
Isopropylbenzene
Concen: 28.253 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

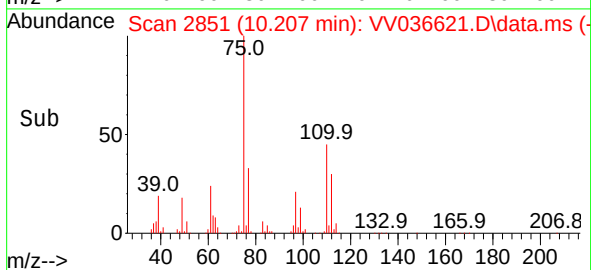
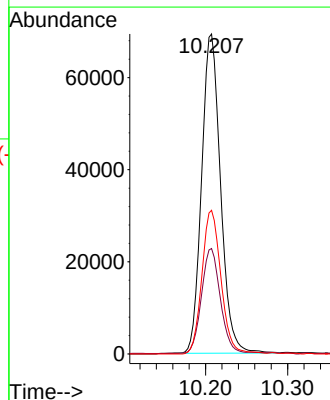
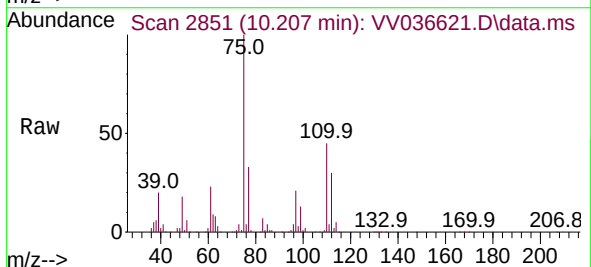
Instrument :
MSVOA_V
ClientSampleId :

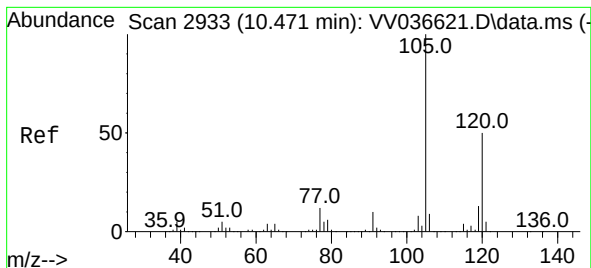
Tgt Ion:105 Resp: 823894
Ion Ratio Lower Upper
105 100
120 27.6 22.1 33.1
77 14.7 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 26.440 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 75 Resp: 111072
Ion Ratio Lower Upper
75 100
77 32.4 25.9 38.9
110 45.3 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 29.598 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

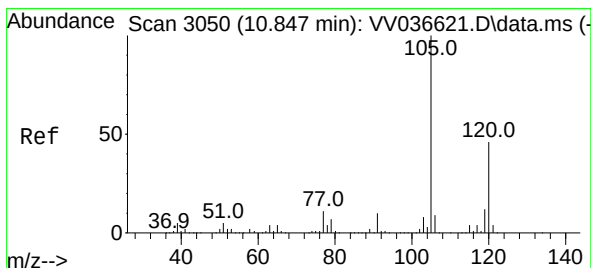
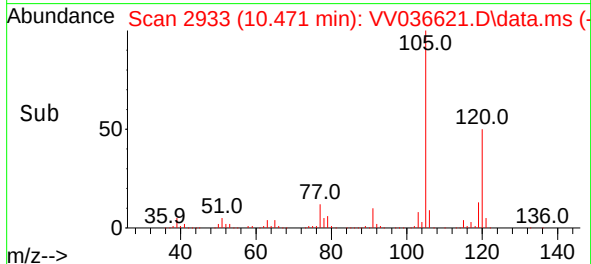
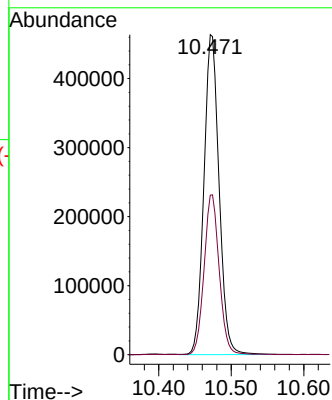
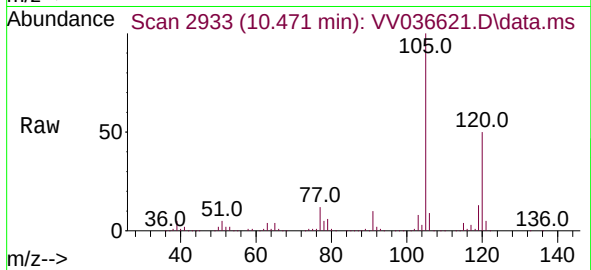
ClientSampleId :

Tgt Ion:105 Resp: 673232

Ion Ratio Lower Upper

105 100

120 49.8 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 29.122 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036621.D

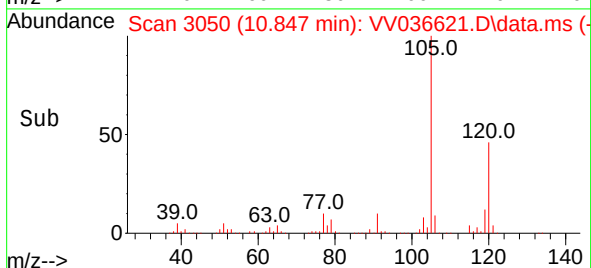
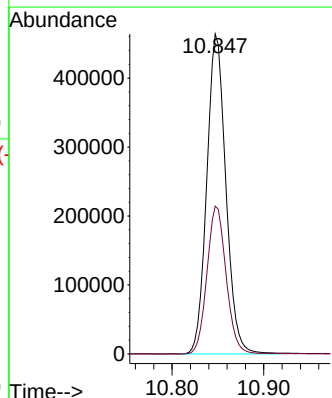
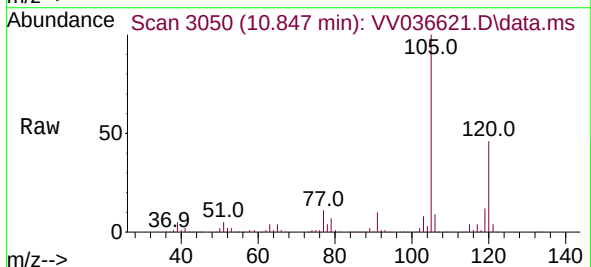
Acq: 22 Jul 2024 09:43

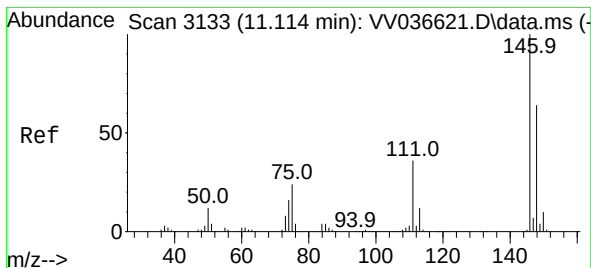
Tgt Ion:105 Resp: 670537

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8





#64

1,3-Dichlorobenzene

Concen: 26.709 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

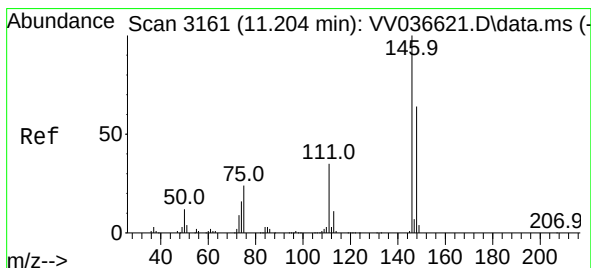
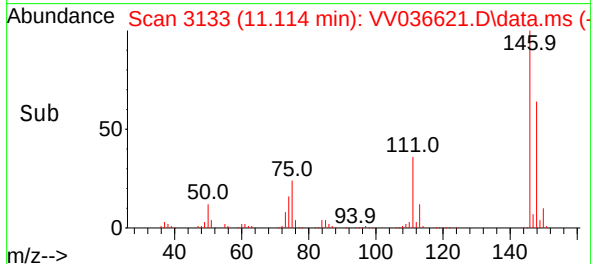
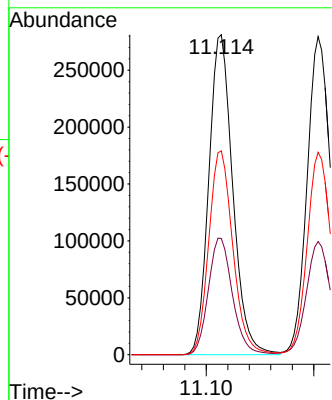
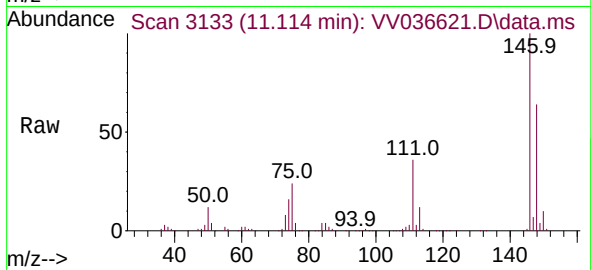
Tgt Ion:146 Resp: 435387

Ion Ratio Lower Upper

146 100

111 36.4 25.5 47.3

148 63.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 26.301 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

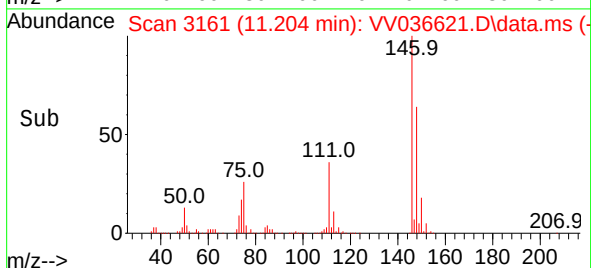
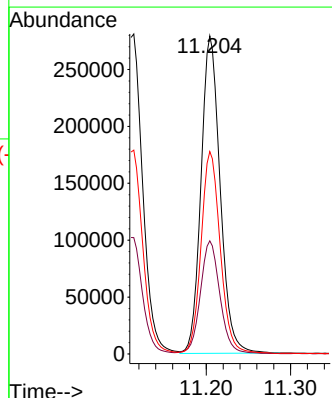
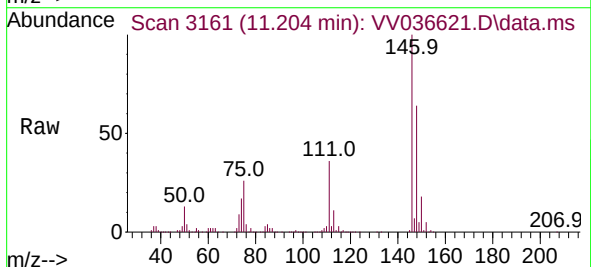
Tgt Ion:146 Resp: 441521

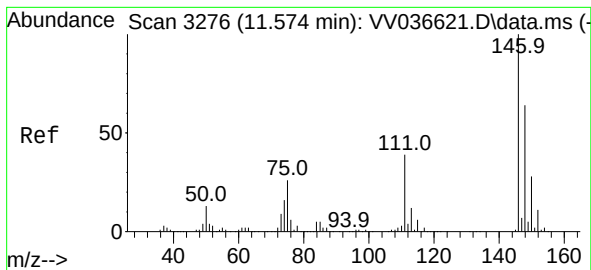
Ion Ratio Lower Upper

146 100

111 35.6 24.9 46.3

148 63.6 44.5 82.7

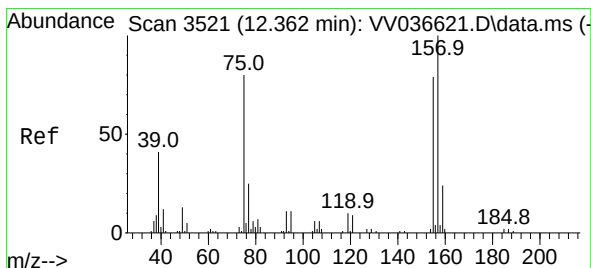
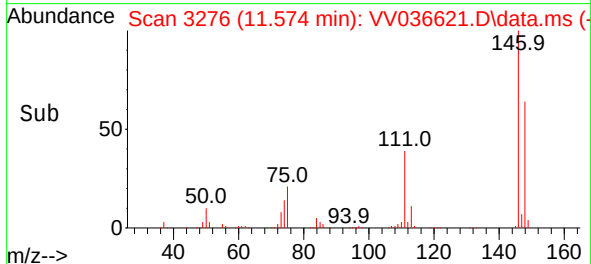
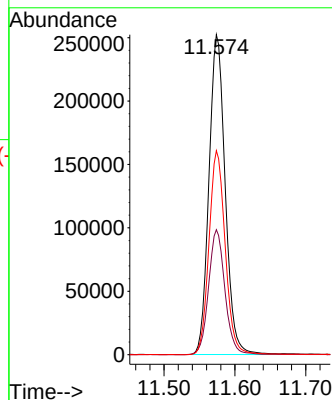
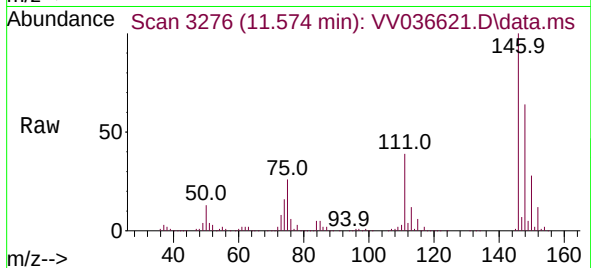




#67
1,2-Dichlorobenzene
Concen: 26.475 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

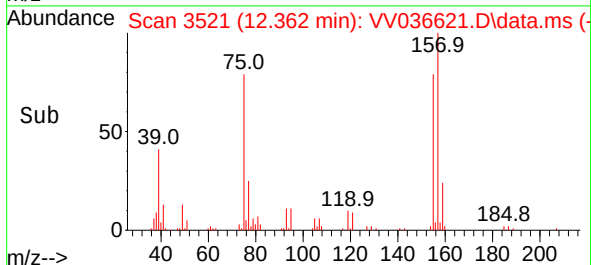
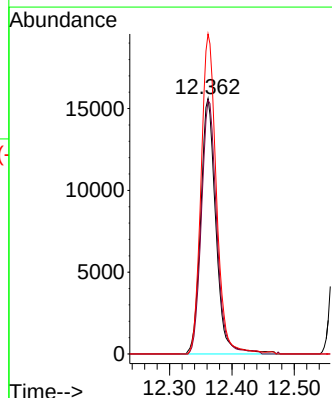
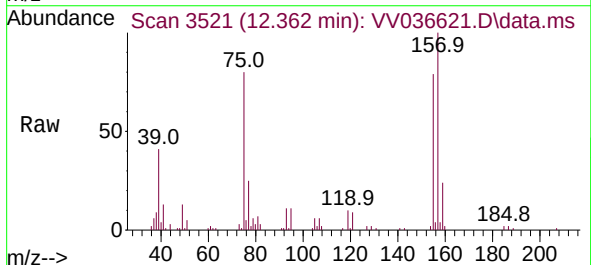
Instrument :
MSVOA_V
ClientSampleId :

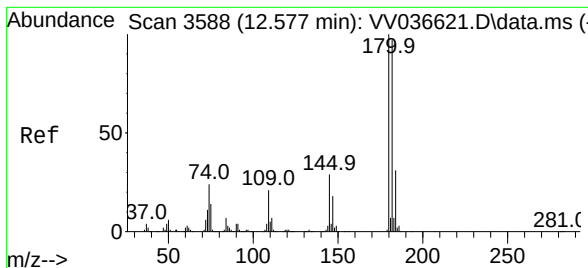
Tgt Ion:146 Resp: 401279
Ion Ratio Lower Upper
146 100
111 39.1 31.3 46.9
148 63.7 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 26.800 ug/L
RT: 12.362 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV036621.D
Acq: 22 Jul 2024 09:43

Tgt Ion: 75 Resp: 26512
Ion Ratio Lower Upper
75 100
155 99.4 79.5 119.3
157 125.3 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 25.889 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

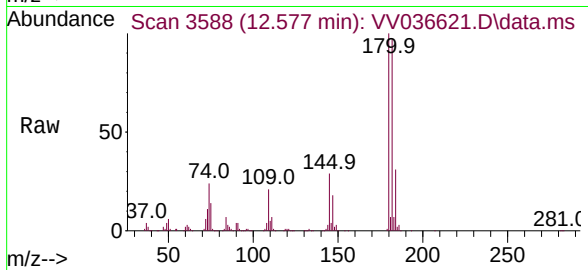
Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 332911

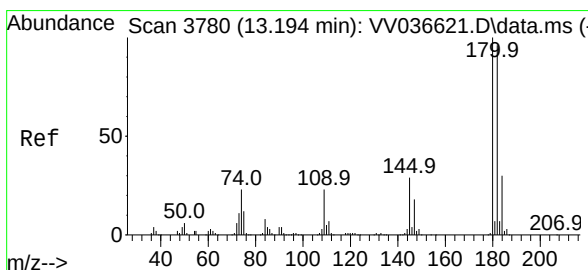
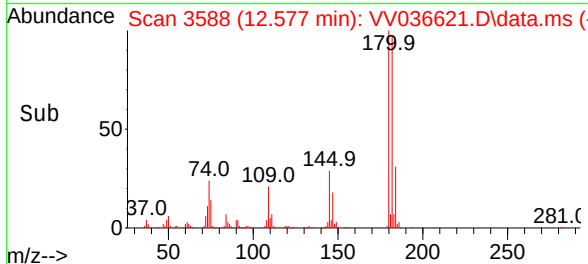
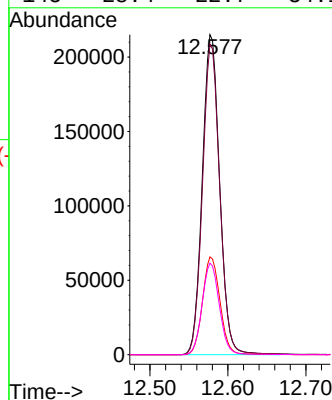
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

184 30.7 24.6 36.8

145 28.4 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 26.321 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

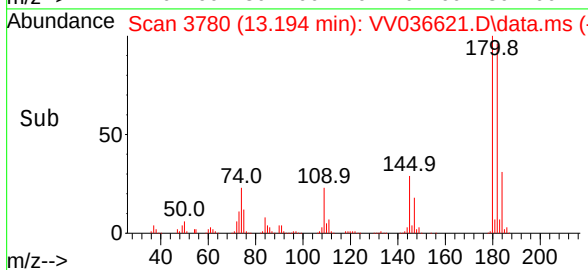
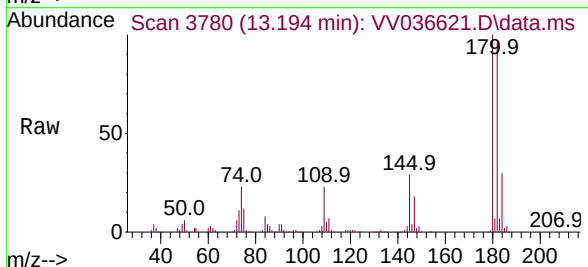
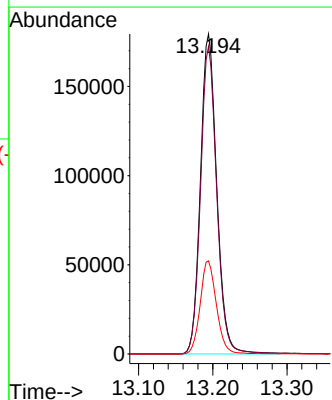
Tgt Ion:180 Resp: 274942

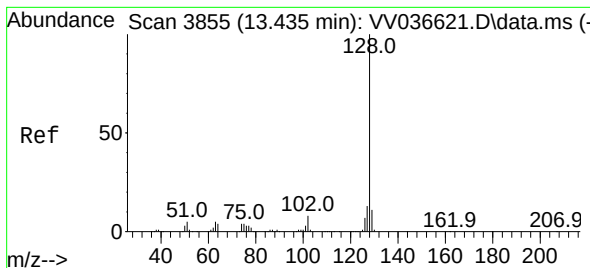
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 28.8 23.0 34.6





#71

Naphthalene

Concen: 27.100 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Instrument :

MSVOA_V

ClientSampleId :

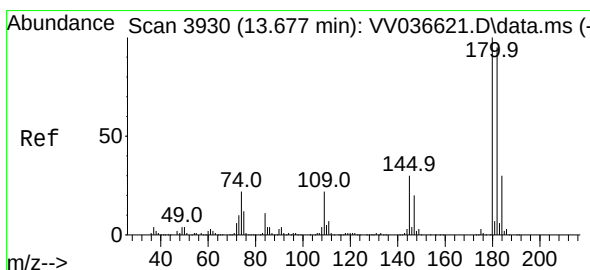
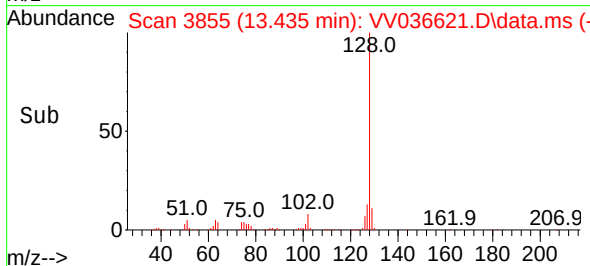
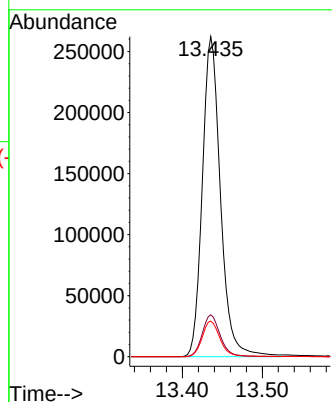
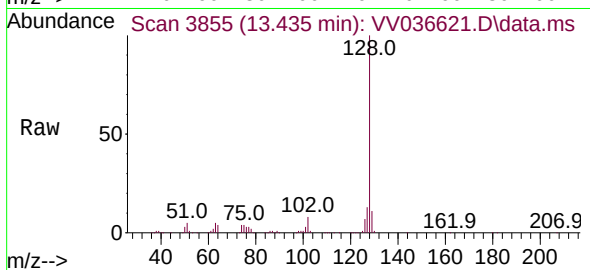
Tgt Ion:128 Resp: 414547

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 27.142 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036621.D

Acq: 22 Jul 2024 09:43

Tgt Ion:180 Resp: 255817

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 30.8 24.6 37.0

