

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072224\
 Data File : VV036626.D
 Acq On : 22 Jul 2024 11:49
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 23 01:55:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:49:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	457512	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	441261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	245160	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	97477	19.453	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.800%
7) Chloroethane-d5	1.526	69	92706	20.484	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.920%
11) 1,1-Dichloroethene-d2	2.047	65	49086	18.526	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.120%
21) 2-Butanone-d5	3.844	46	46433	39.706	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.420%
24) Chloroform-d	4.243	84	249819	20.646	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.600%
26) 1,2-Dichloroethane-d4	4.937	65	124345	20.830	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.320%
32) Benzene-d6	4.953	84	455034	21.758	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.040%
36) 1,2-Dichloropropane-d6	5.986	67	127024	21.317	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	7.240	98	441551	22.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.480%
43) trans-1,3-Dichloroprop...	7.551	79	57059	21.540	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.160%
47) 2-Hexanone-d5	8.034	63	36185	45.629	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.260%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	107455	20.690	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	179101	20.928	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	172385	22.218	ug/L	100
3) Chloromethane	1.211	50	128014	21.445	ug/L	99
5) Vinyl chloride	1.275	62	170018	23.031	ug/L	100
6) Bromomethane	1.481	94	130483	22.107	ug/L	99
8) Chloroethane	1.542	64	106878	22.341	ug/L	100
9) Trichlorofluoromethane	1.706	101	287501	22.430	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	170896	21.429	ug/L	99
12) 1,1-Dichloroethene	2.060	96	147041	20.833	ug/L	98
13) Acetone	2.156	43	67956	35.772	ug/L	95
14) Carbon disulfide	2.230	76	461966	23.582	ug/L	100
15) Methyl Acetate	2.388	43	42796	19.310	ug/L	100
16) Methylene chloride	2.439	84	191885	22.541	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	160894	22.572	ug/L	100
18) Methyl tert-butyl Ether	2.700	73	330494	22.106	ug/L	100
19) 1,1-Dichloroethane	3.105	63	248089	22.184	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	168104	22.582	ug/L	98
22) 2-Butanone	3.915	43	55308	34.299	ug/L	# 63
23) Bromochloromethane	4.143	128	85530	21.619	ug/L	98
25) Chloroform	4.269	83	292935	21.700	ug/L	99

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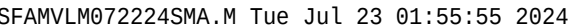
Instrument :
 MSVOA_V
 ClientSampleId :

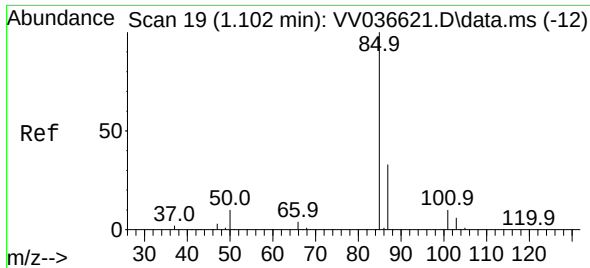
Quant Time: Jul 23 01:55:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:49:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	176738	21.819	ug/L	97
29) Cyclohexane	4.574	56	193878	24.644	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	264308	23.153	ug/L	99
31) Carbon tetrachloride	4.728	117	246847	23.144	ug/L	100
33) Benzene	5.002	78	585567	23.367	ug/L	100
34) Trichloroethene	5.828	95	190537	23.234	ug/L	99
35) Methylcyclohexane	6.043	83	265658	24.329	ug/L	99
37) 1,2-Dichloropropane	6.088	63	131365	22.778	ug/L	100
38) Bromodichloromethane	6.429	83	206427	21.954	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	225793	23.845	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	120056	44.581	ug/L	99
42) Toluene	7.310	91	666931	24.029	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	192163	22.597	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	126207	22.439	ug/L	98
46) Tetrachloroethene	7.902	164	168231	20.673	ug/L	99
48) 2-Hexanone	8.079	43	93491	44.278	ug/L	99
49) Dibromochloromethane	8.172	129	157239	22.189	ug/L	99
50) 1,2-Dibromoethane	8.281	107	126382	22.365	ug/L	97
51) Chlorobenzene	8.809	112	456769	22.729	ug/L	99
52) Ethylbenzene	8.944	91	724313	23.724	ug/L	99
53) m,p-Xylene	9.069	106	291476	24.453	ug/L	99
54) o-Xylene	9.474	106	273633	23.892	ug/L	99
55) Styrene	9.493	104	470937	24.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	106832	20.963	ug/L	98
59) Bromoform	9.661	173	104596	22.654	ug/L	99
60) Isopropylbenzene	9.863	105	750035	25.000	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	98229	22.728	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	599862	25.634	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	595863	25.154	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	384941	22.953	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	392445	22.723	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	352650	22.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21614	21.237	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	297040	22.452	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	233912	21.766	ug/L	99
71) Naphthalene	13.435	128	367767	23.005	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	212418	21.907	ug/L	99

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

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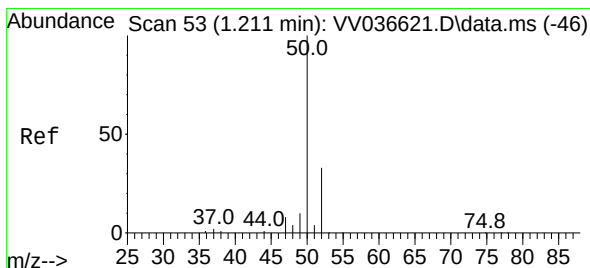
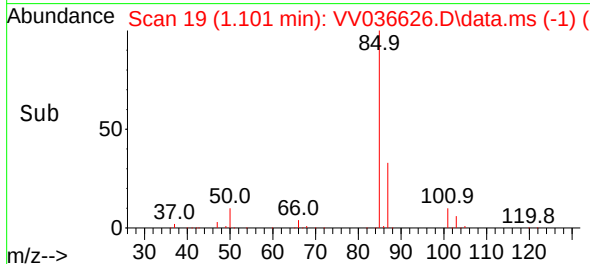
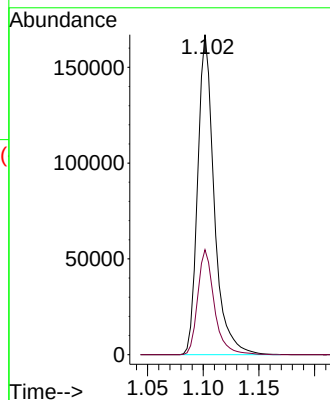
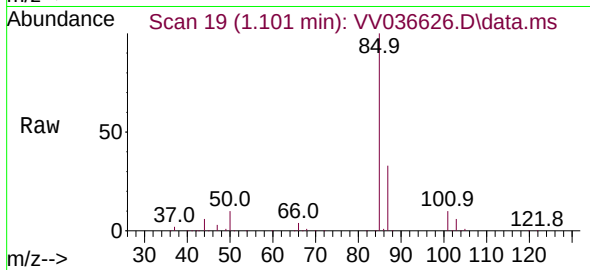




#2
 Dichlorodifluoromethane
 Concen: 22.218 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036626.D
 Acq: 22 Jul 2024 11:49

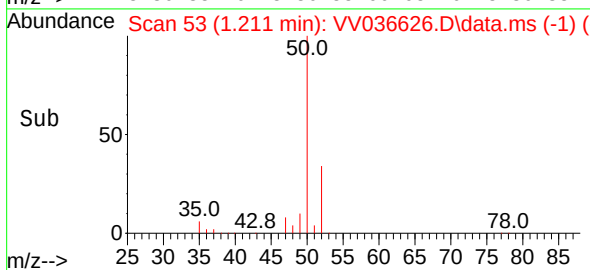
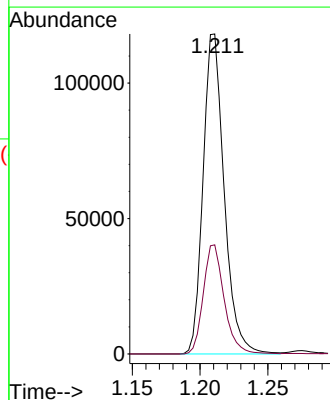
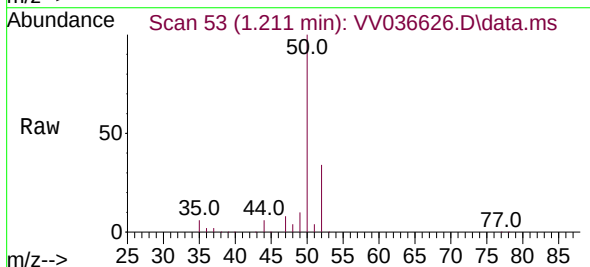
Instrument :
 MSVOA_V
 ClientSampleId :

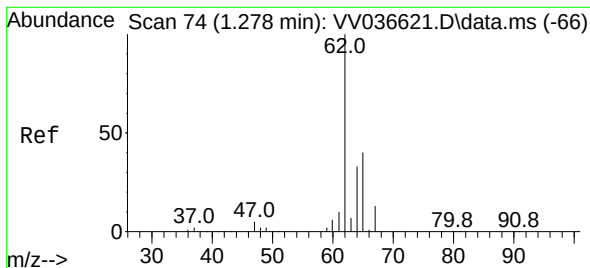
Tgt Ion: 85 Resp: 172385
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.5 39.7



#3
 Chloromethane
 Concen: 21.445 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036626.D
 Acq: 22 Jul 2024 11:49

Tgt Ion: 50 Resp: 128014
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.3 43.3





#5

Vinyl chloride

Concen: 23.031 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

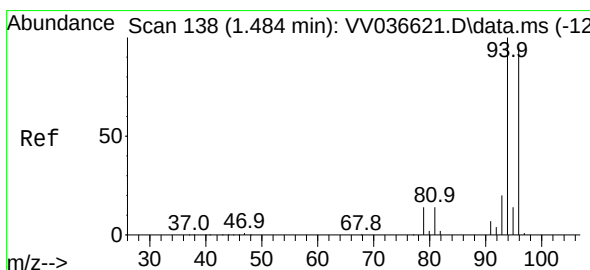
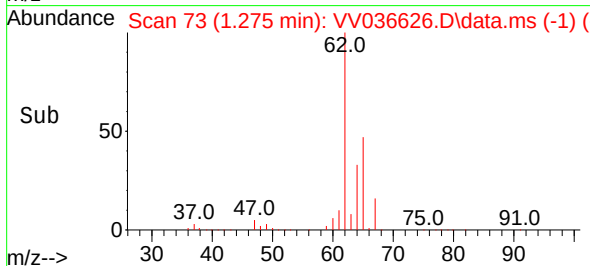
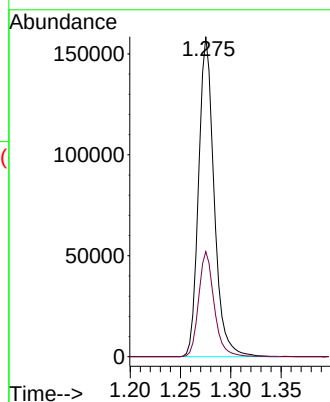
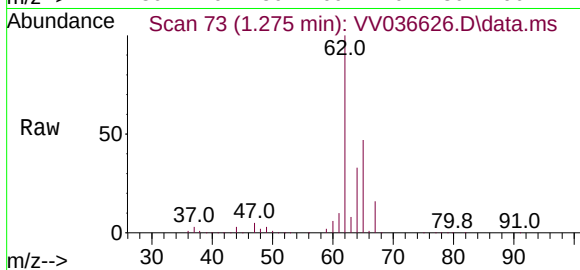
ClientSampleId :

Tgt Ion: 62 Resp: 170018

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 22.107 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036626.D

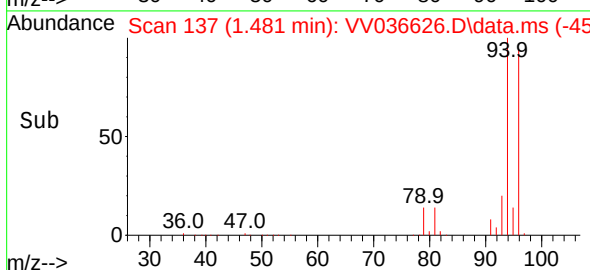
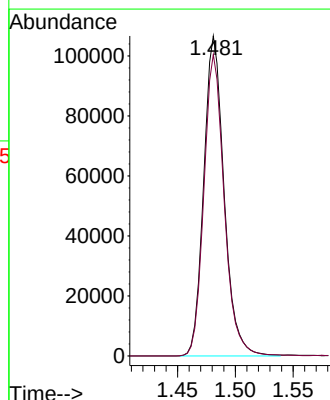
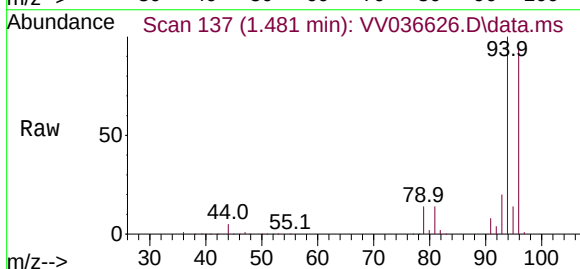
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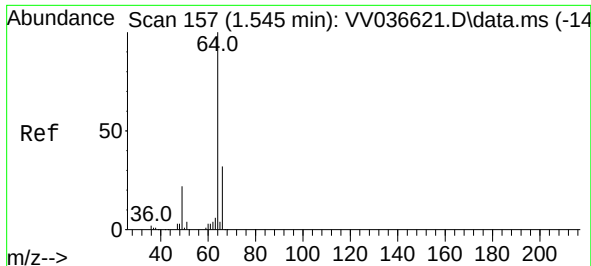
Tgt Ion: 94 Resp: 130483

Ion Ratio Lower Upper

94 100

96 94.2 66.6 123.6

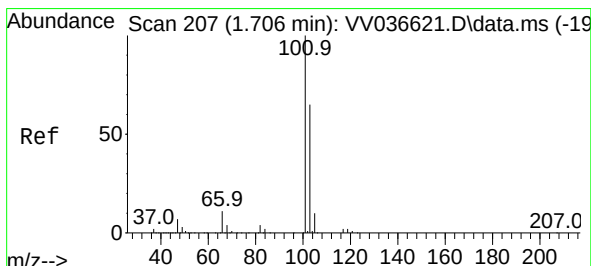
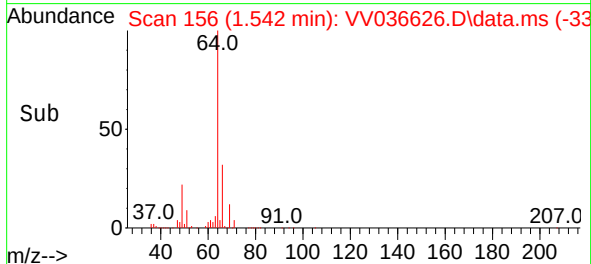
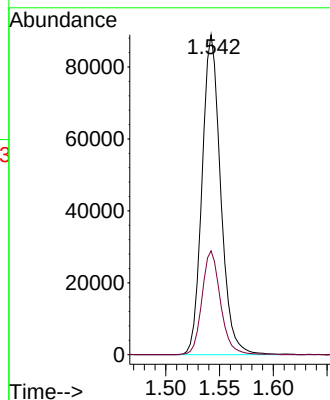
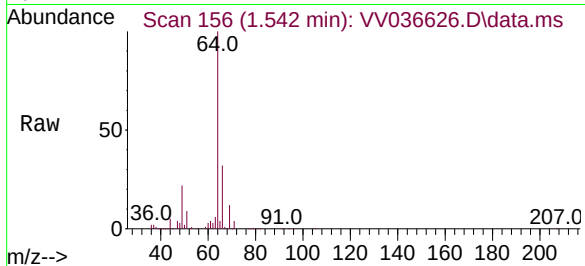




#8
Chloroethane
Concen: 22.341 ug/L
RT: 1.542 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

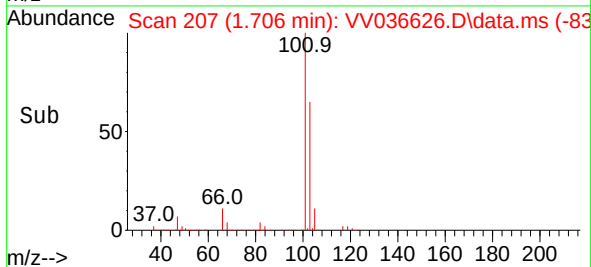
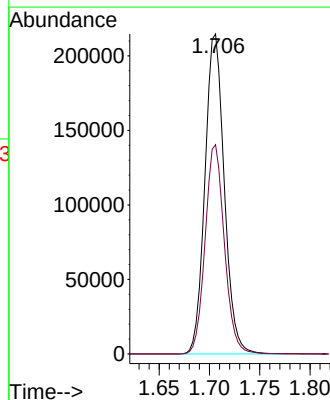
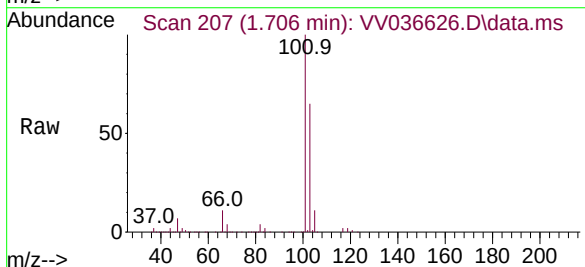
Instrument :
MSVOA_V
ClientSampleId :

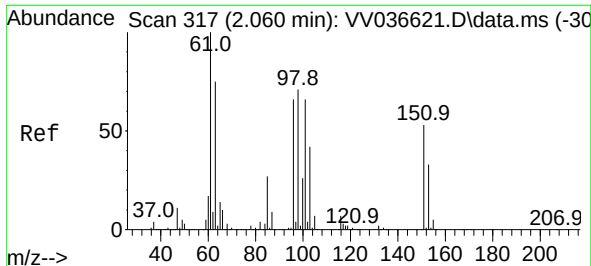
Tgt Ion: 64 Resp: 106878
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 22.430 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Tgt Ion:101 Resp: 287501
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4





#10

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

Concen: 21.429 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

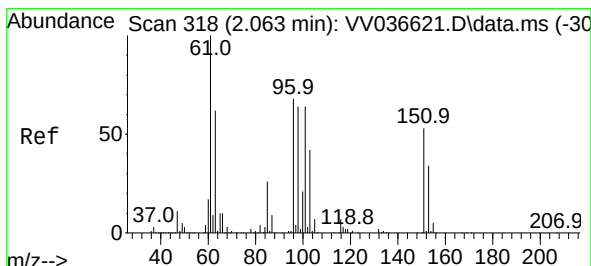
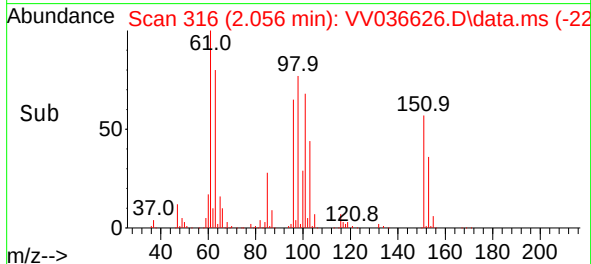
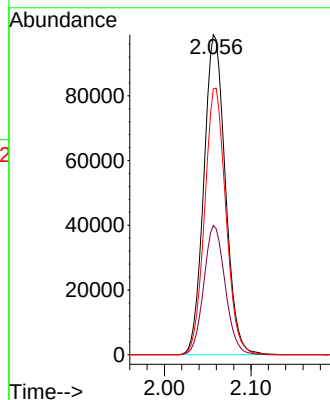
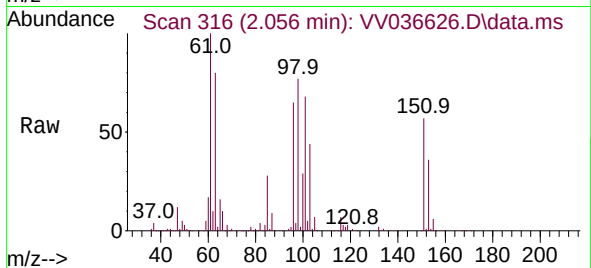
Tgt Ion:101 Resp: 170896

Ion Ratio Lower Upper

101 100

85 40.1 32.4 48.6

151 82.1 64.9 97.3



#12

1,1-Dichloroethene

Concen: 20.833 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

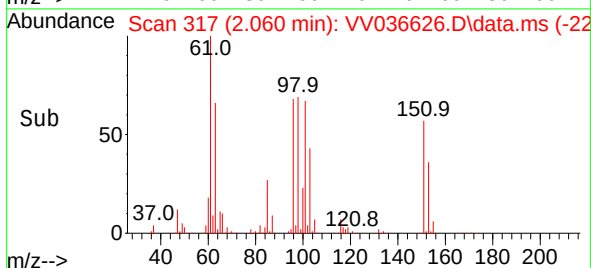
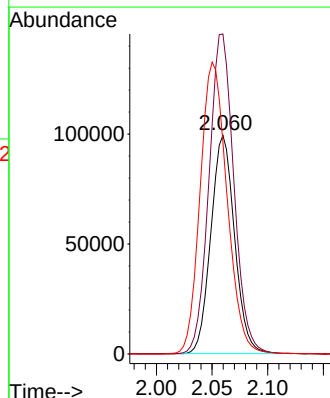
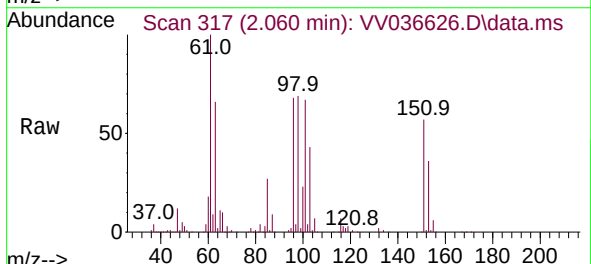
Tgt Ion: 96 Resp: 147041

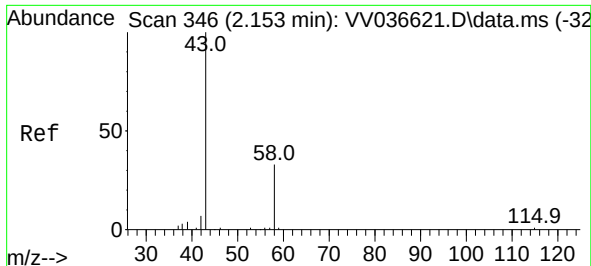
Ion Ratio Lower Upper

96 100

61 146.3 102.3 189.9

63 96.9 64.1 119.1





#13

Acetone

Concen: 35.772 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

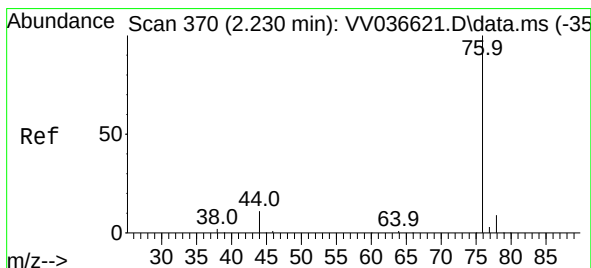
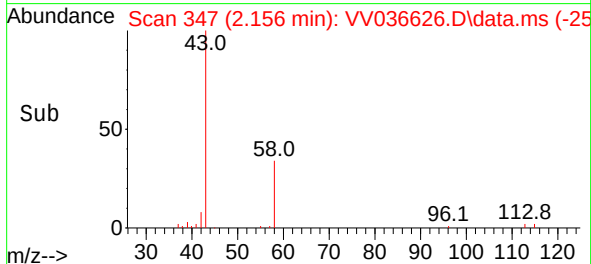
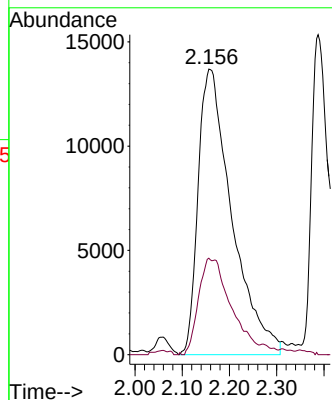
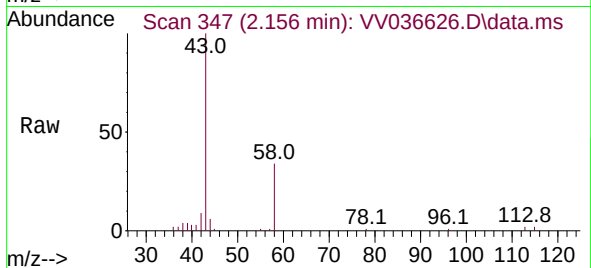
ClientSampleId :

Tgt Ion: 43 Resp: 67956

Ion Ratio Lower Upper

43 100

58 13.4 0.0 23.0



#14

Carbon disulfide

Concen: 23.582 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

Lab File: VV036626.D

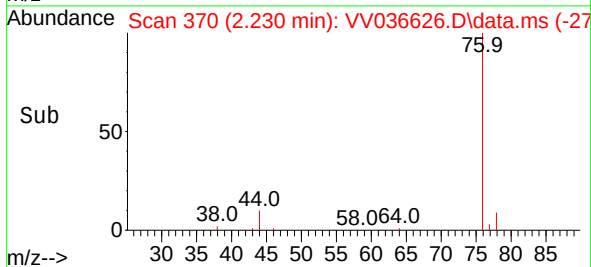
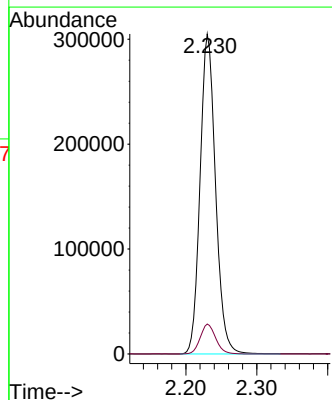
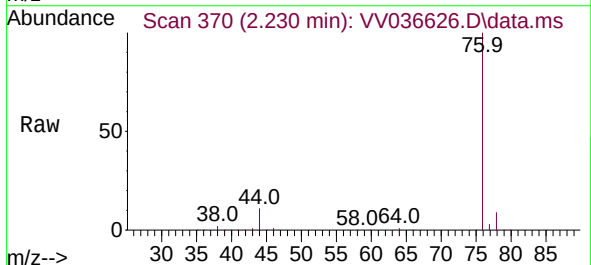
Acq: 22 Jul 2024 11:49

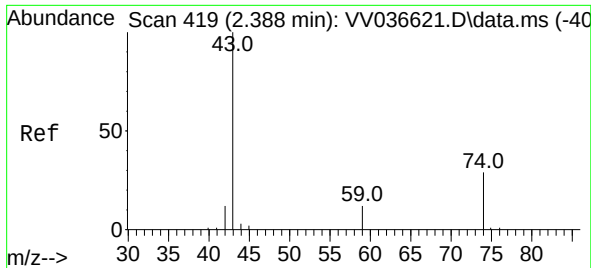
Tgt Ion: 76 Resp: 461966

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

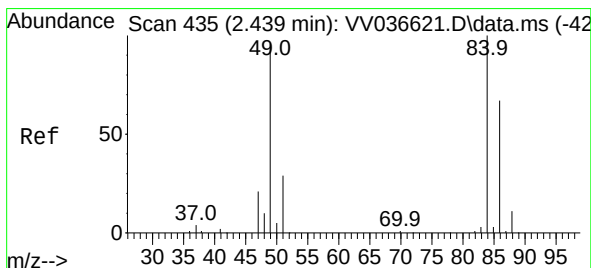
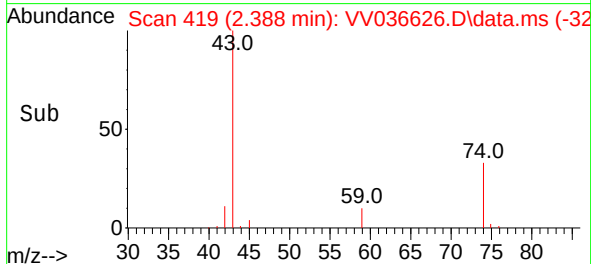
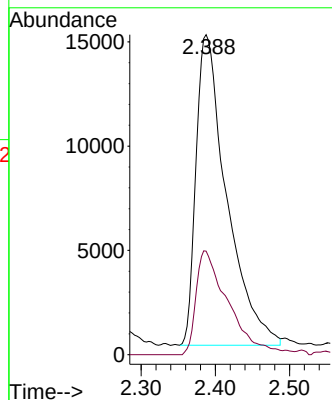
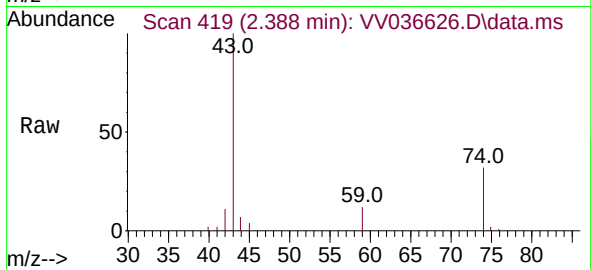




#15
Methyl Acetate
Concen: 19.310 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

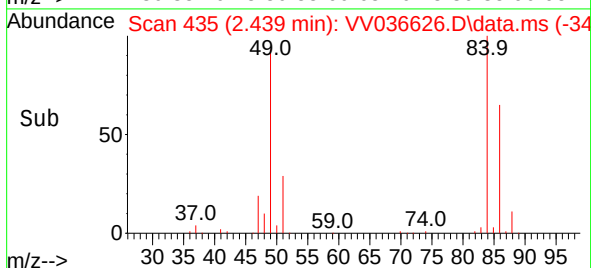
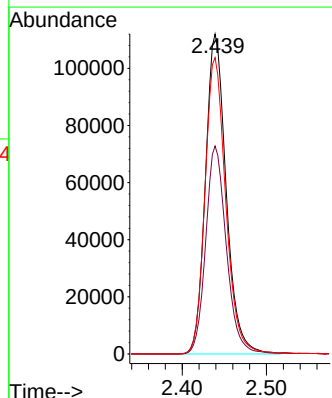
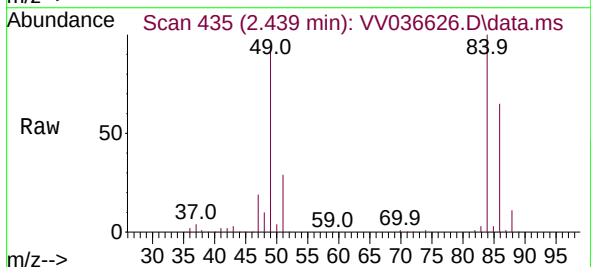
Instrument :
MSVOA_V
ClientSampleId :

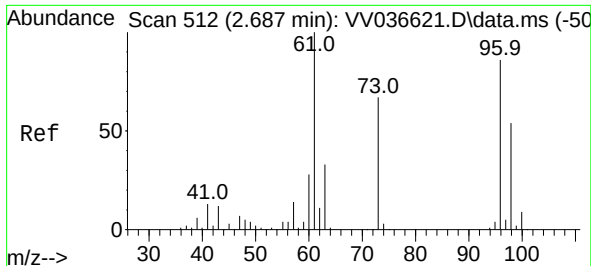
Tgt Ion: 43 Resp: 42796
Ion Ratio Lower Upper
43 100
74 34.9 27.8 41.8



#16
Methylene chloride
Concen: 22.541 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Tgt Ion: 84 Resp: 191885
Ion Ratio Lower Upper
84 100
86 65.0 47.2 87.6
49 92.6 67.3 125.1





#17

trans-1,2-Dichloroethene

Concen: 22.572 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

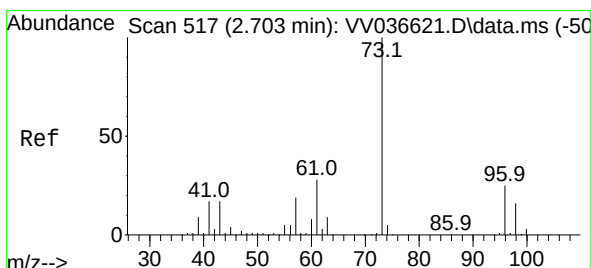
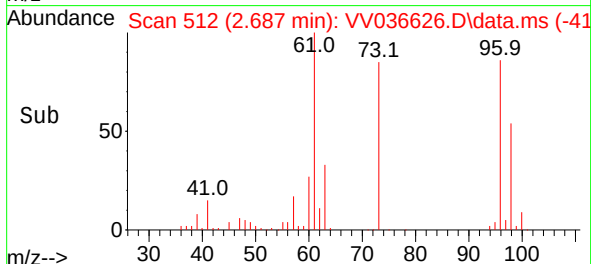
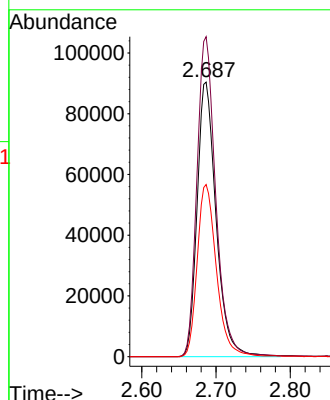
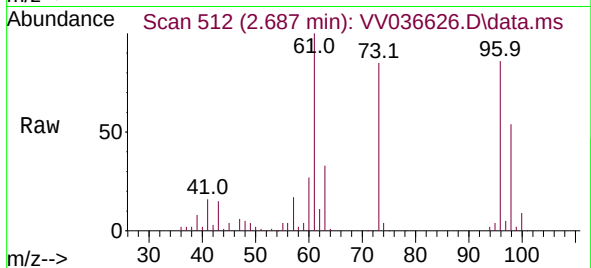
Tgt Ion: 96 Resp: 160894

Ion Ratio Lower Upper

96 100

61 116.5 81.5 151.5

98 62.7 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 22.106 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

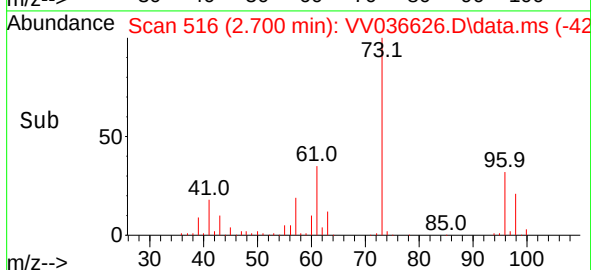
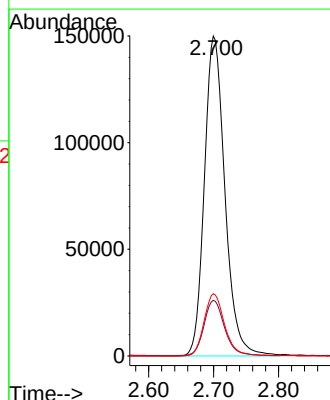
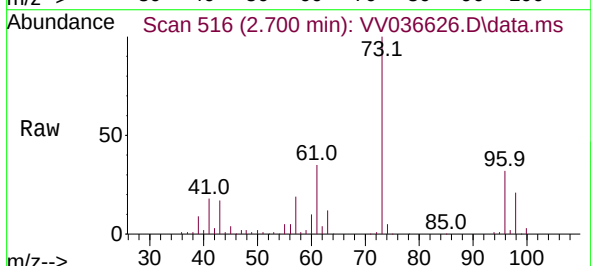
Tgt Ion: 73 Resp: 330494

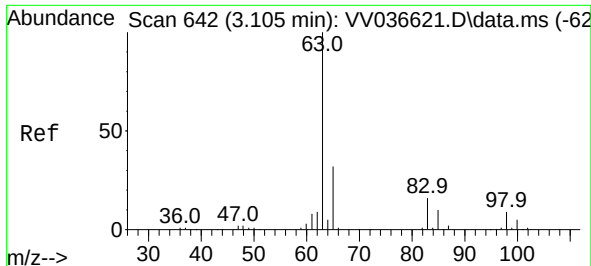
Ion Ratio Lower Upper

73 100

43 17.0 13.8 20.6

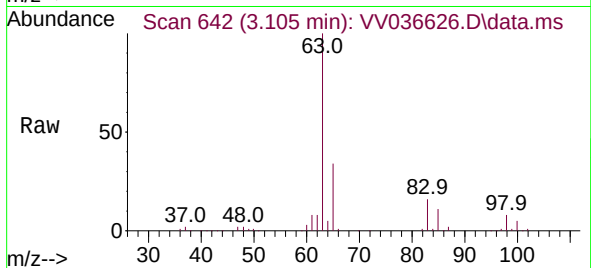
57 19.4 15.4 23.2



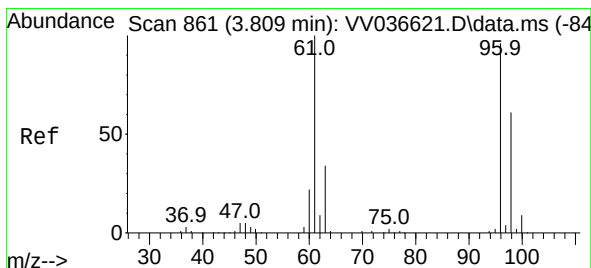
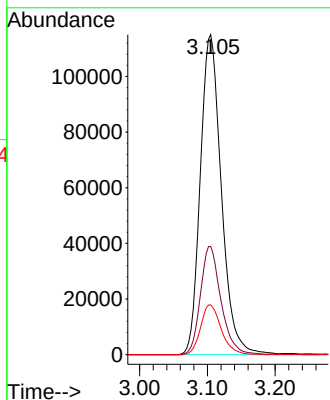
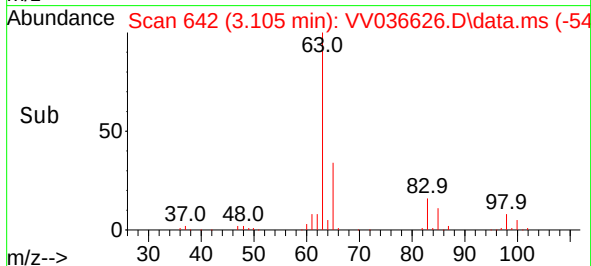


#19
1,1-Dichloroethane
Concen: 22.184 ug/L
RT: 3.105 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

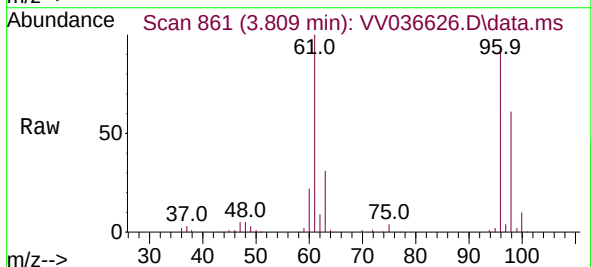
Instrument :
MSVOA_V
ClientSampleId :



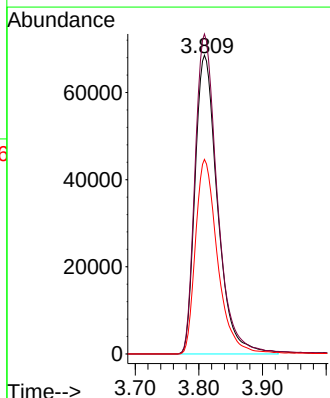
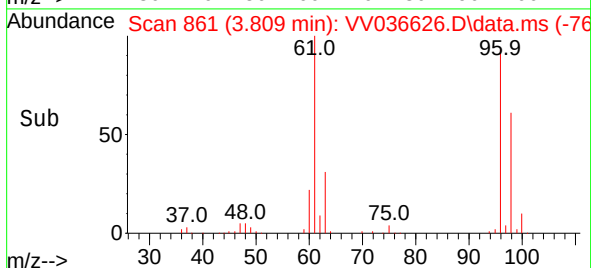
Tgt Ion: 63 Resp: 248089
Ion Ratio Lower Upper
63 100
65 33.8 22.7 42.1
83 15.5 11.1 20.7

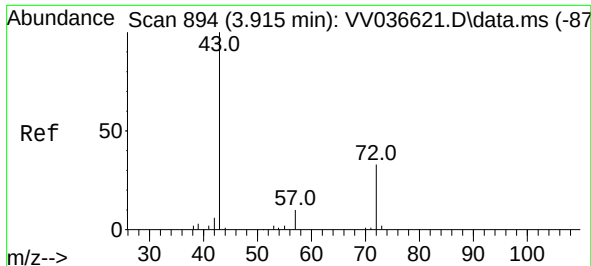


#20
cis-1,2-Dichloroethene
Concen: 22.582 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49



Tgt Ion: 96 Resp: 168104
Ion Ratio Lower Upper
96 100
61 107.1 73.0 135.6
98 65.1 44.8 83.2





#22

2-Butanone

Concen: 34.299 ug/L

RT: 3.915 min Scan# 894

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

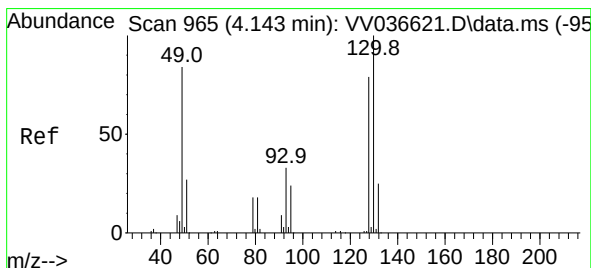
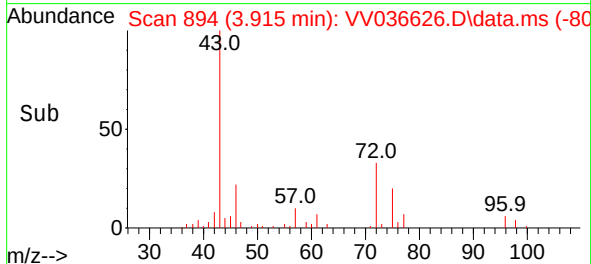
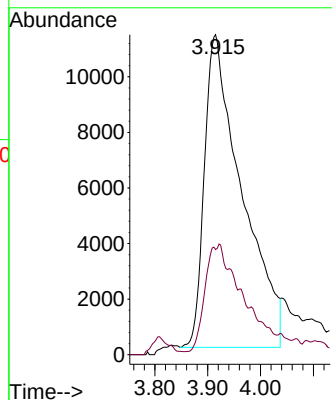
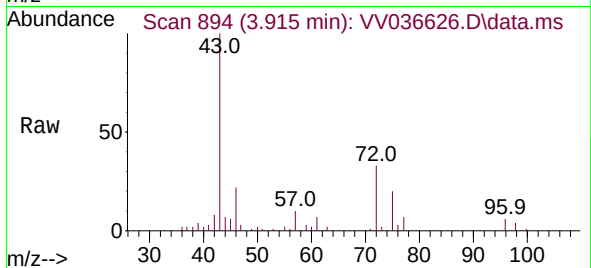
ClientSampleId :

Tgt Ion: 43 Resp: 55308

Ion Ratio Lower Upper

43 100

72 10.3 15.2 45.5#



#23

Bromochloromethane

Concen: 21.619 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Tgt Ion:128 Resp: 85530

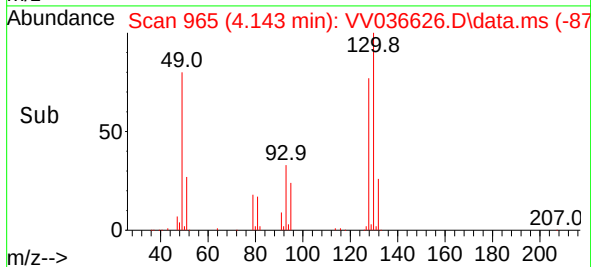
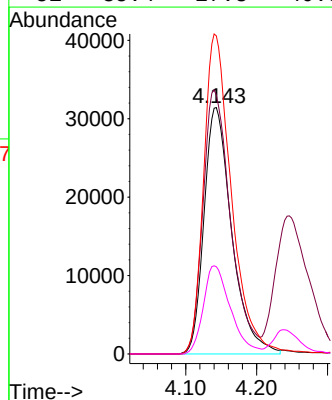
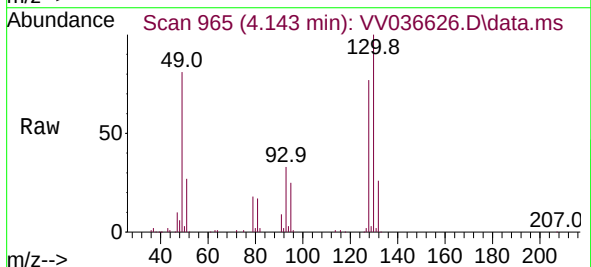
Ion Ratio Lower Upper

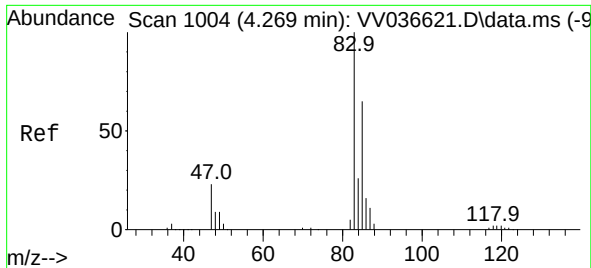
128 100

49 105.0 74.4 138.2

130 129.1 88.6 164.6

51 35.4 27.3 40.9

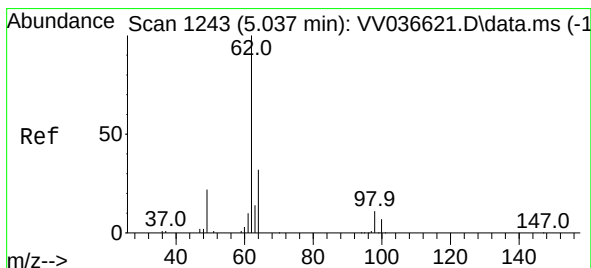
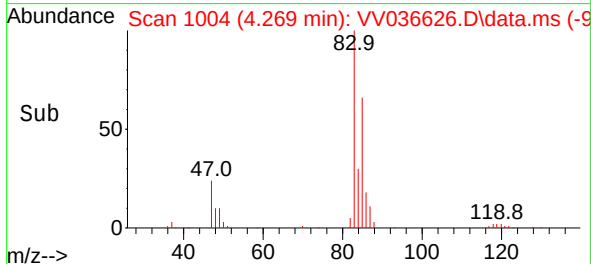
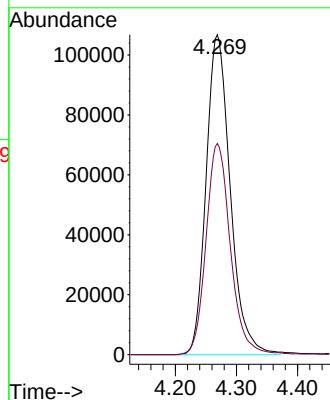
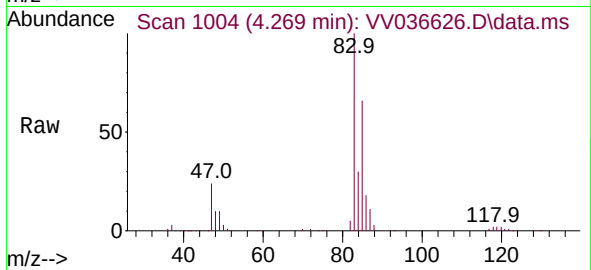




#25
Chloroform
Concen: 21.700 ug/L
RT: 4.269 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

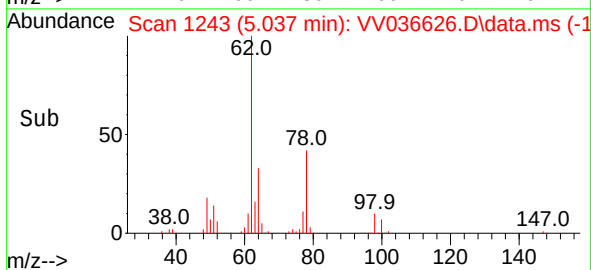
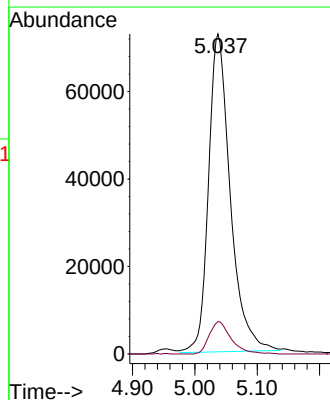
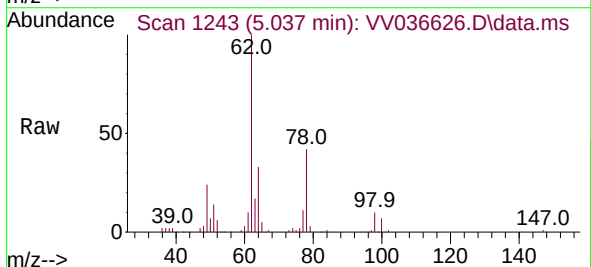
Instrument :
MSVOA_V
ClientSampleId :

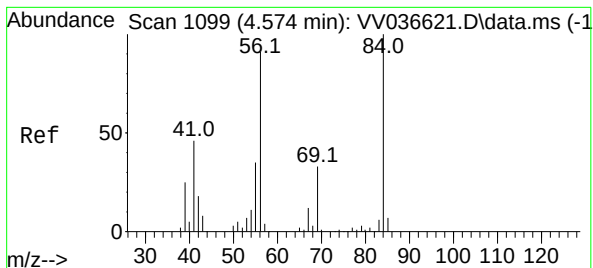
Tgt Ion: 83 Resp: 292935
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 21.819 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Tgt Ion: 62 Resp: 176738
Ion Ratio Lower Upper
62 100
98 10.1 9.0 13.6





#29

Cyclohexane

Concen: 24.644 ug/L

RT: 4.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

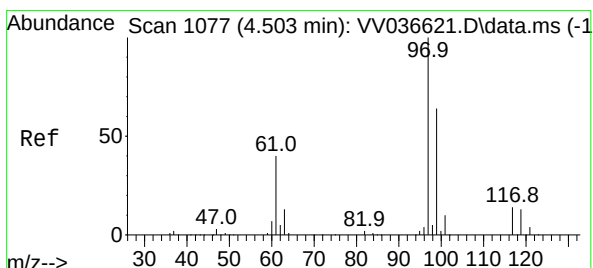
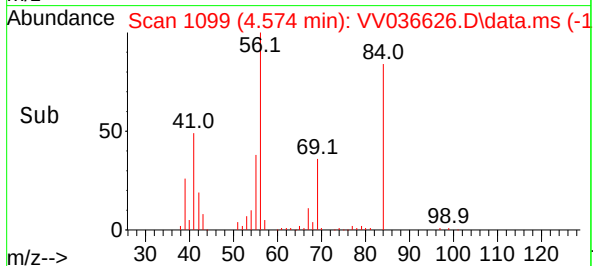
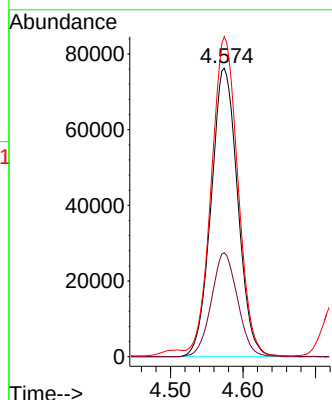
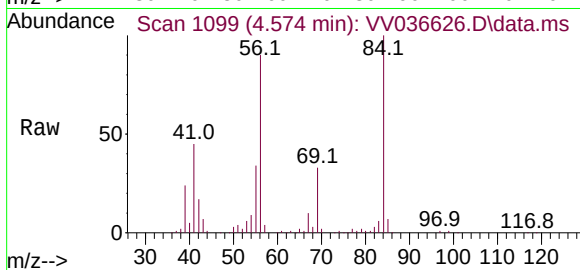
Tgt Ion: 56 Resp: 193878

Ion Ratio Lower Upper

56 100

69 35.6 28.5 42.7

84 110.6 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 23.153 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

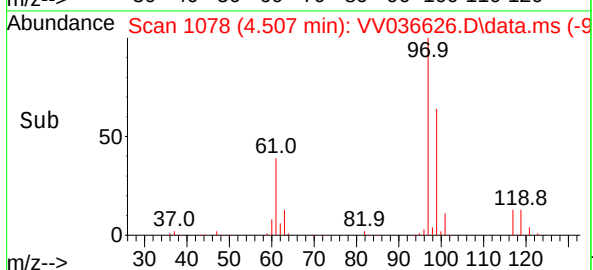
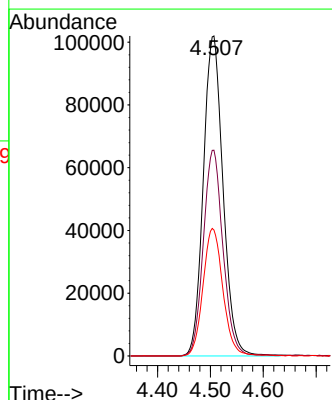
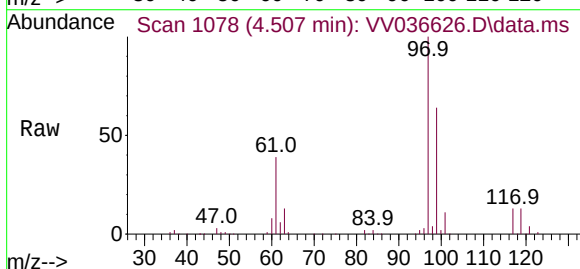
Tgt Ion: 97 Resp: 264308

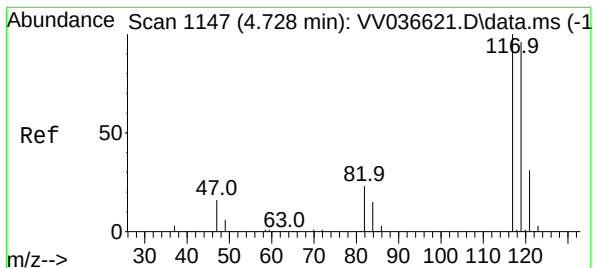
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 40.1 31.9 47.9





#31

Carbon tetrachloride

Concen: 23.144 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

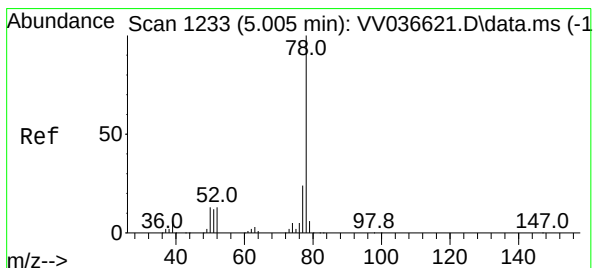
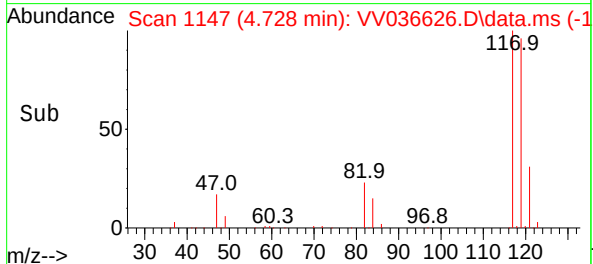
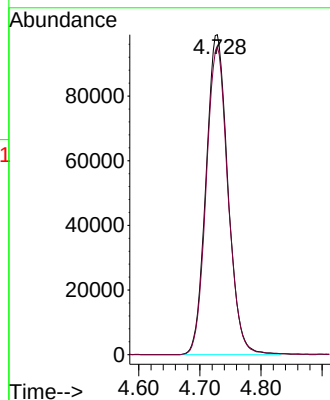
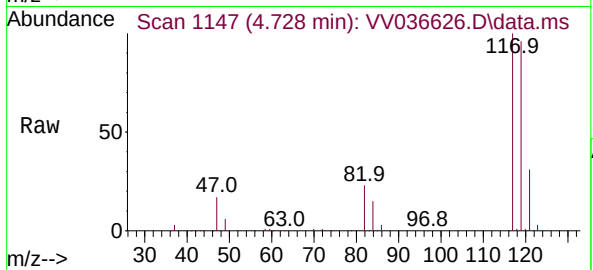
ClientSampleId :

Tgt Ion:117 Resp: 246847

Ion Ratio Lower Upper

117 100

119 95.4 76.6 115.0



#33

Benzene

Concen: 23.367 ug/L

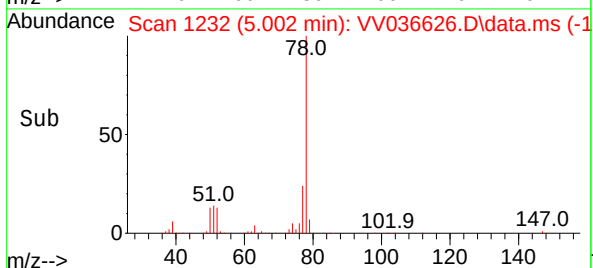
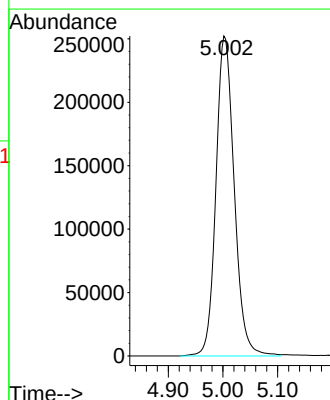
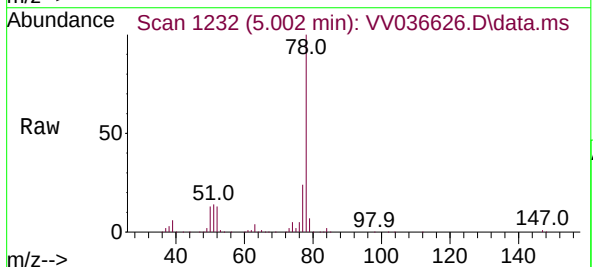
RT: 5.002 min Scan# 1232

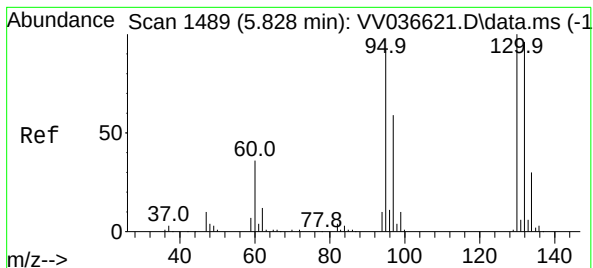
Delta R.T. -0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Tgt Ion: 78 Resp: 585567





#34

Trichloroethene

Concen: 23.234 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 190537

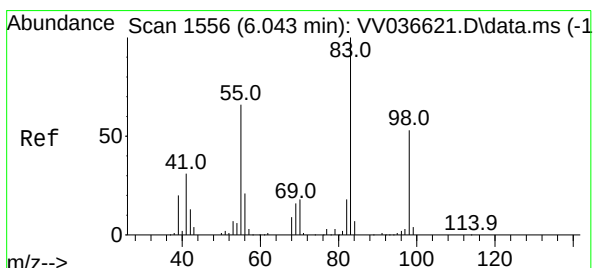
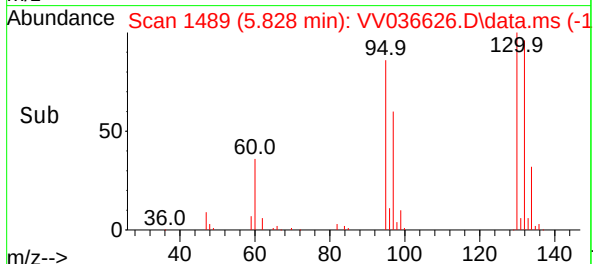
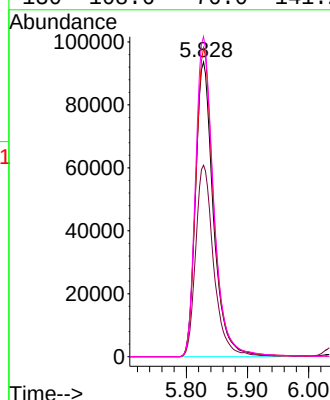
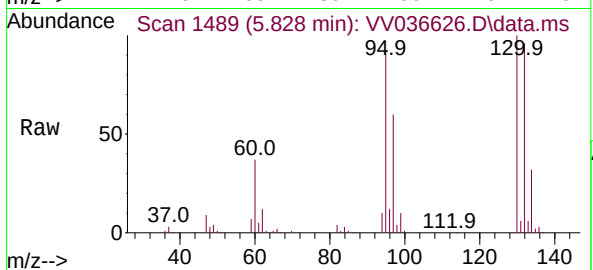
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 104.7 72.7 134.9

130 108.6 76.0 141.2



#35

Methylcyclohexane

Concen: 24.329 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

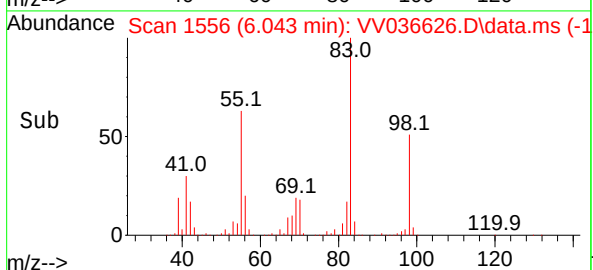
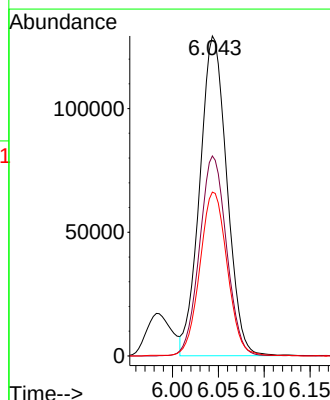
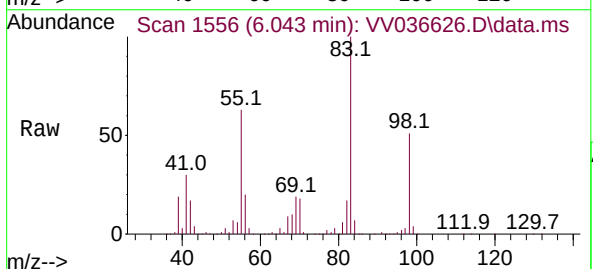
Tgt Ion: 83 Resp: 265658

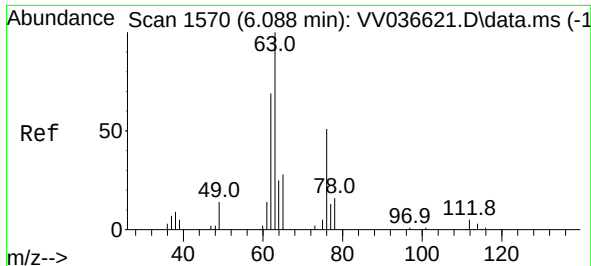
Ion Ratio Lower Upper

83 100

55 62.4 50.8 76.2

98 51.9 41.3 61.9





#37

1,2-Dichloropropane

Concen: 22.778 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

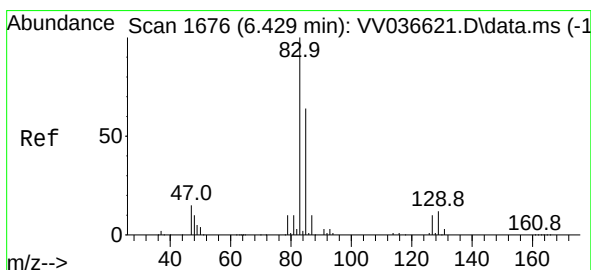
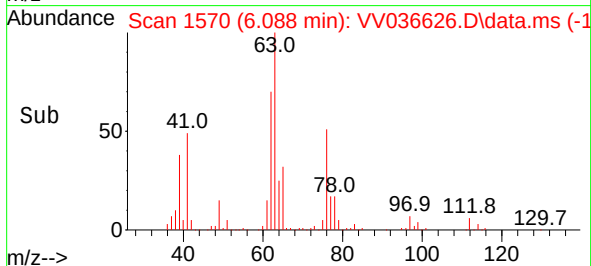
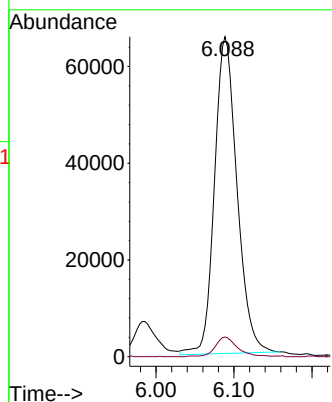
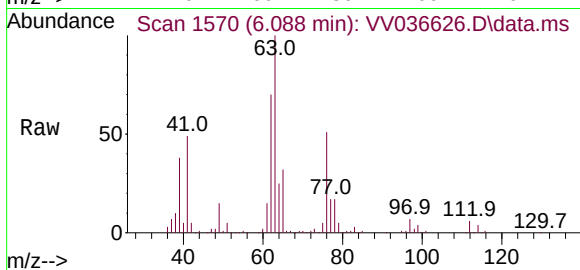
ClientSampleId :

Tgt Ion: 63 Resp: 131365

Ion Ratio Lower Upper

63 100

112 6.1 4.8 7.2



#38

Bromodichloromethane

Concen: 21.954 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

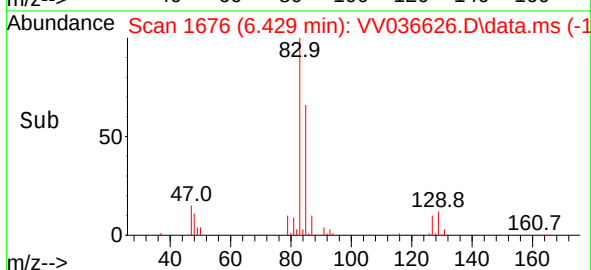
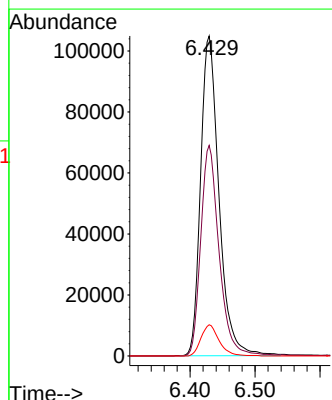
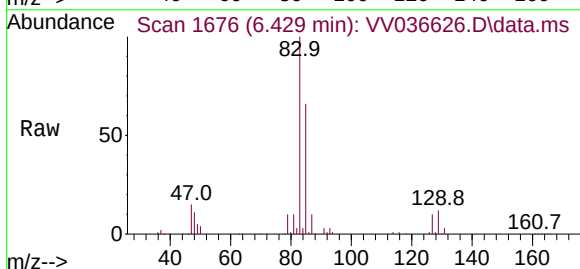
Tgt Ion: 83 Resp: 206427

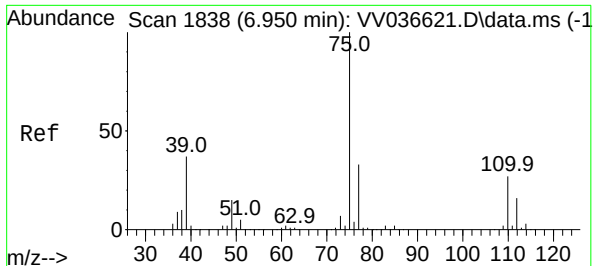
Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

127 9.8 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 23.845 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

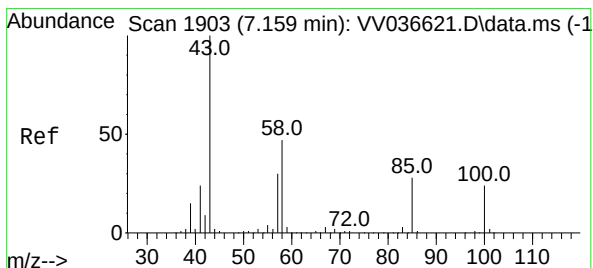
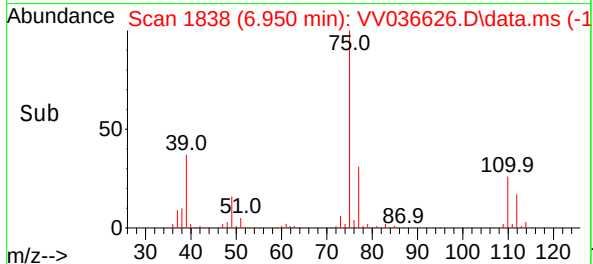
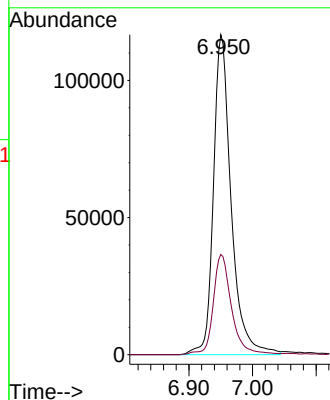
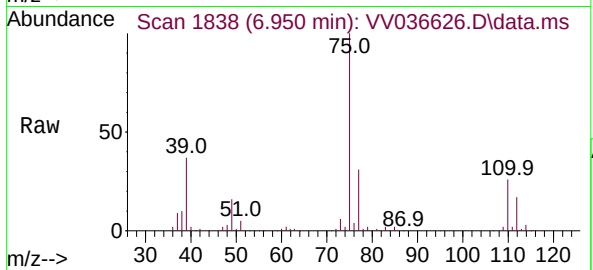
ClientSampleId :

Tgt Ion: 75 Resp: 225793

Ion Ratio Lower Upper

75 100

77 31.3 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 44.581 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

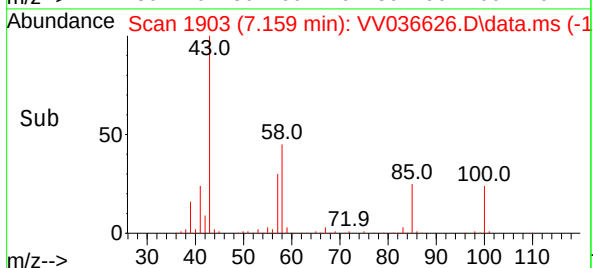
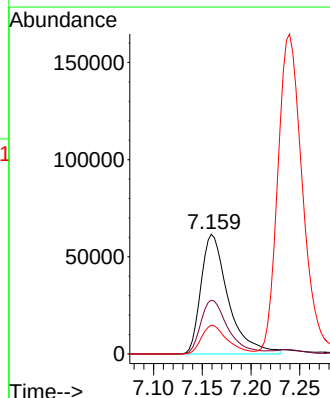
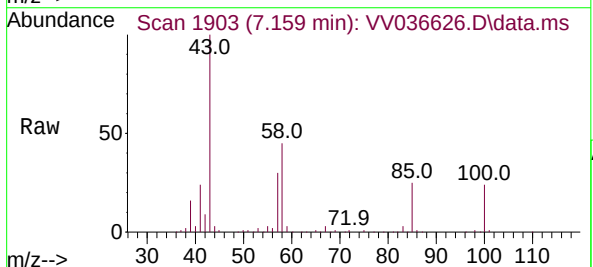
Tgt Ion: 43 Resp: 120056

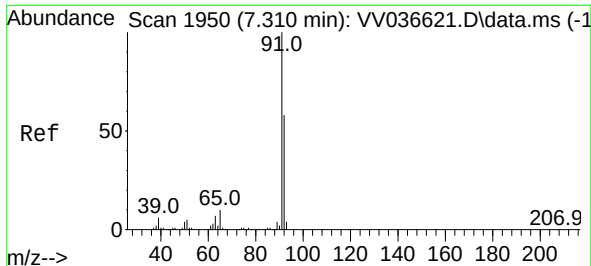
Ion Ratio Lower Upper

43 100

58 44.8 36.6 54.8

100 22.9 18.2 27.4





#42

Toluene

Concen: 24.029 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

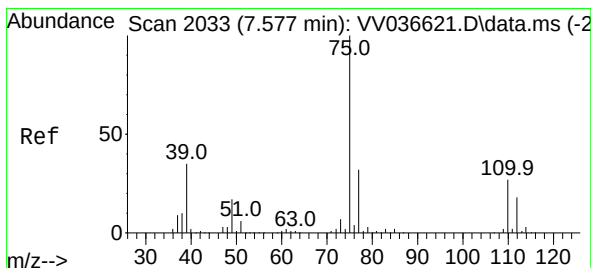
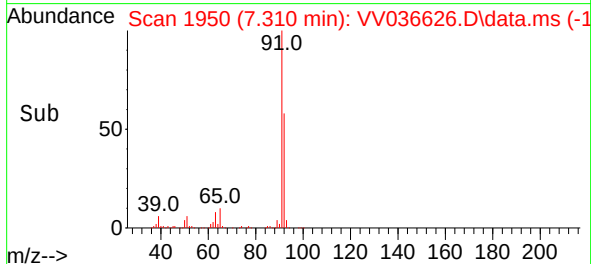
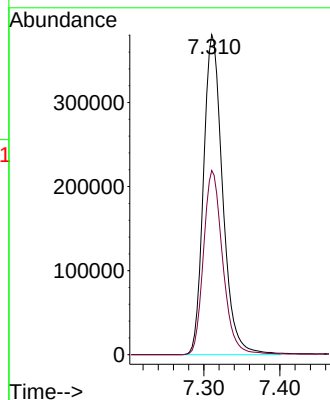
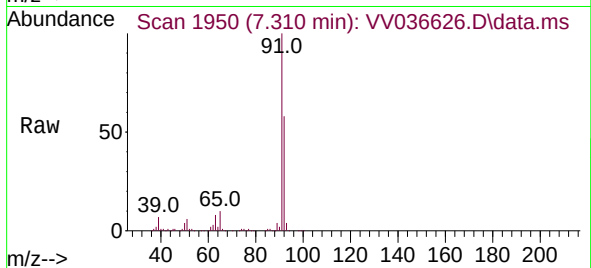
ClientSampleId :

Tgt Ion: 91 Resp: 666931

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 22.597 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036626.D

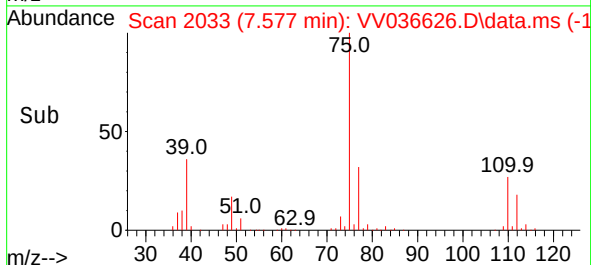
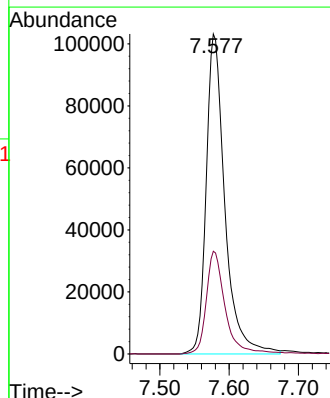
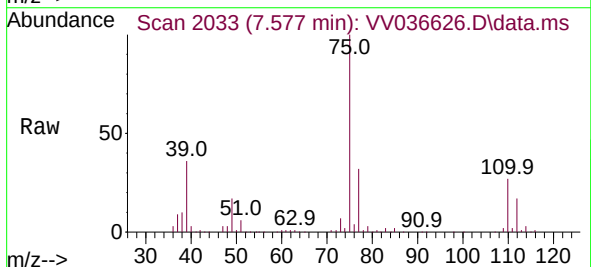
Acq: 22 Jul 2024 11:49

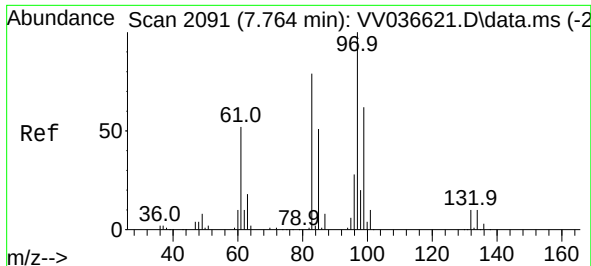
Tgt Ion: 75 Resp: 192163

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



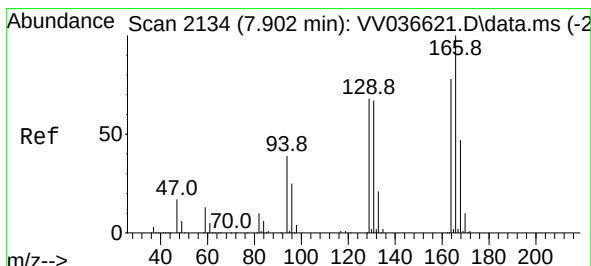
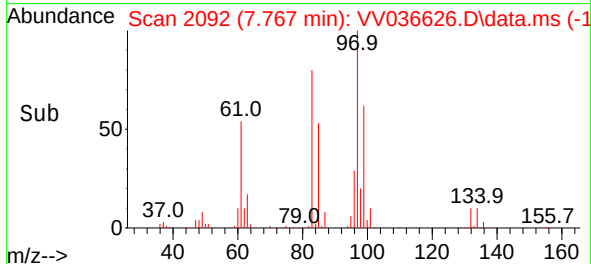
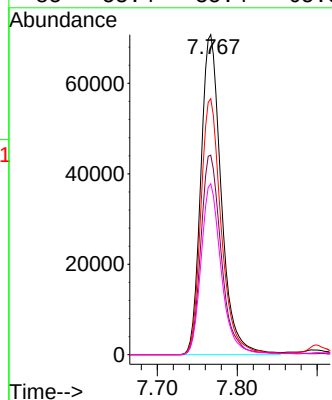
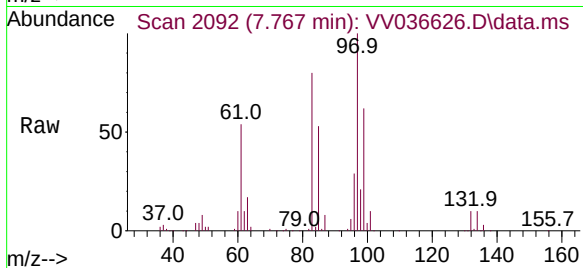


#45
1,1,2-Trichloroethane
Concen: 22.439 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 126207

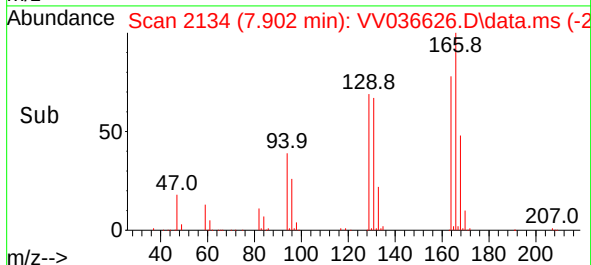
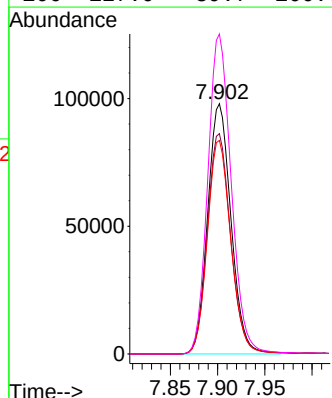
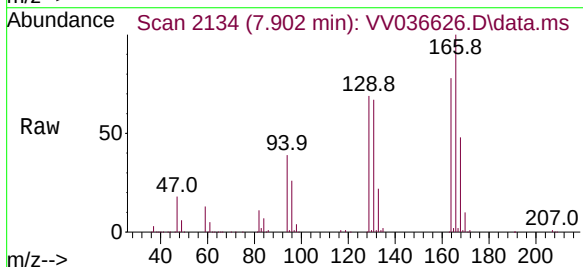
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.5	80.7
83	80.0	55.4	103.0
85	53.4	35.4	65.8

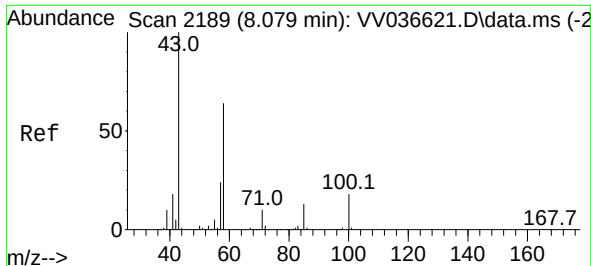


#46
Tetrachloroethene
Concen: 20.673 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Tgt Ion: 164 Resp: 168231

Ion	Ratio	Lower	Upper
164	100		
129	88.1	61.0	113.2
131	85.3	60.1	111.5
166	127.9	89.7	166.7





#48

2-Hexanone

Concen: 44.278 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

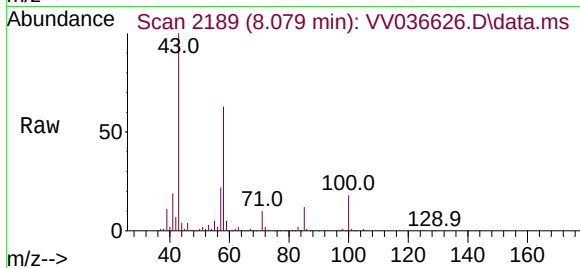
Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 93491

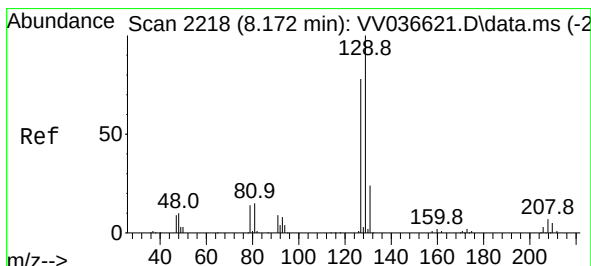
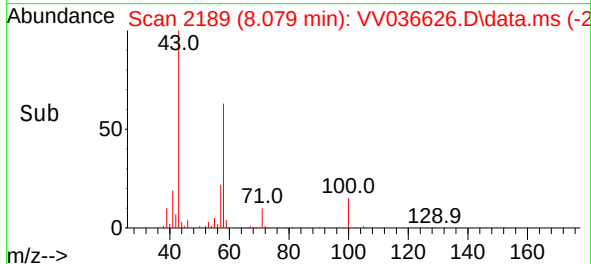
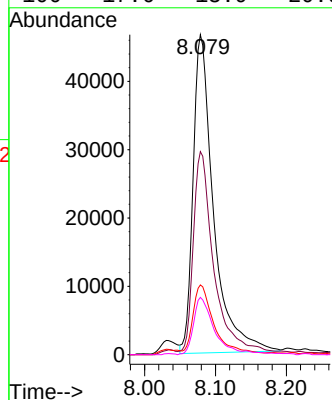
Ion Ratio Lower Upper

43 100

58 62.5 50.6 75.8

57 22.1 17.7 26.5

100 17.6 13.9 20.9



#49

Dibromochloromethane

Concen: 22.189 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036626.D

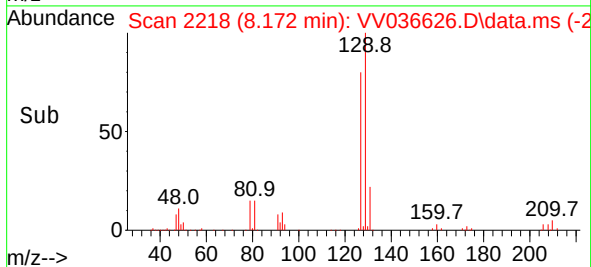
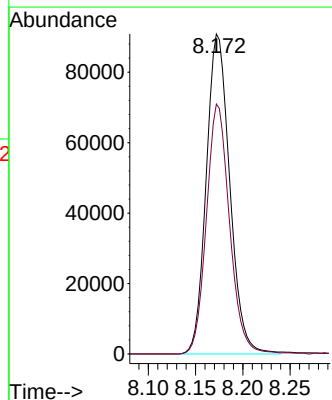
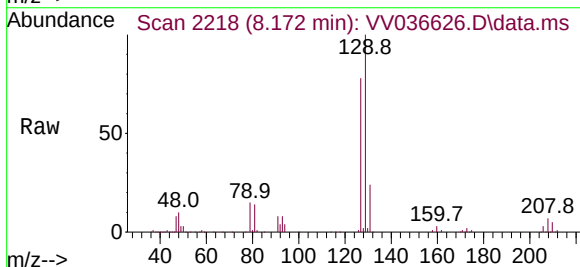
Acq: 22 Jul 2024 11:49

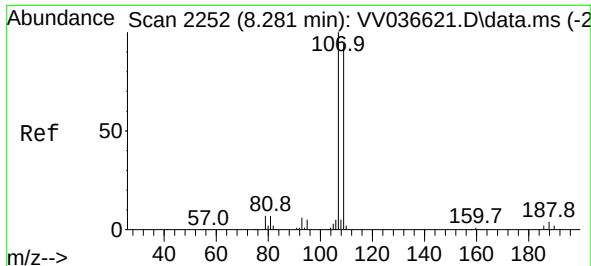
Tgt Ion:129 Resp: 157239

Ion Ratio Lower Upper

129 100

127 78.1 54.3 100.9





#50

1,2-Dibromoethane

Concen: 22.365 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

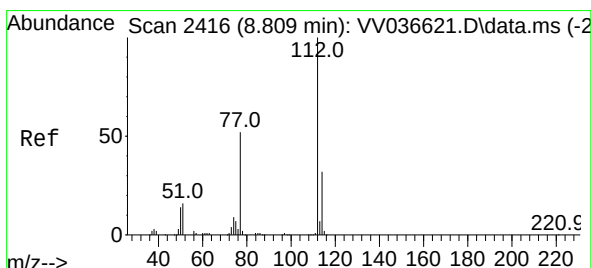
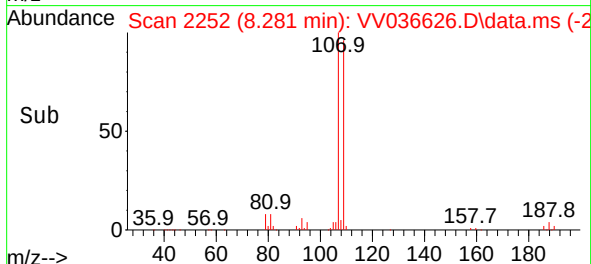
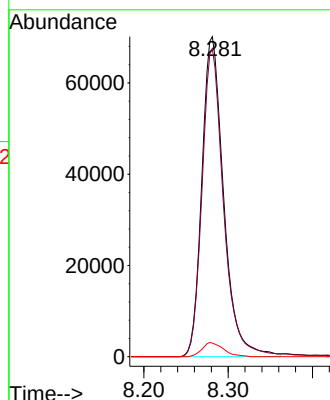
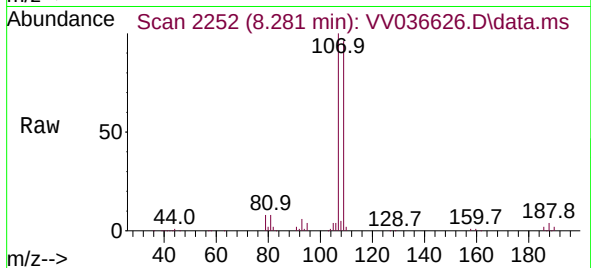
Tgt Ion:107 Resp: 126382

Ion Ratio Lower Upper

107 100

109 96.2 65.5 121.6

188 4.4 3.4 5.2



#51

Chlorobenzene

Concen: 22.729 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

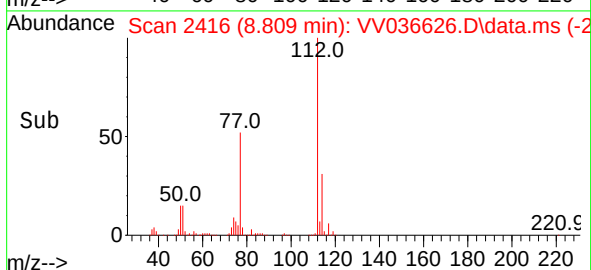
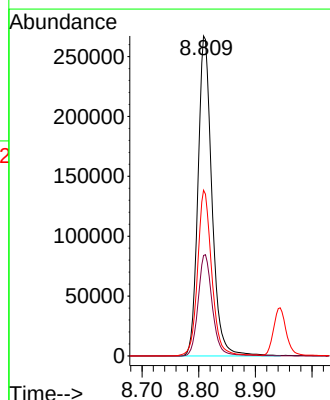
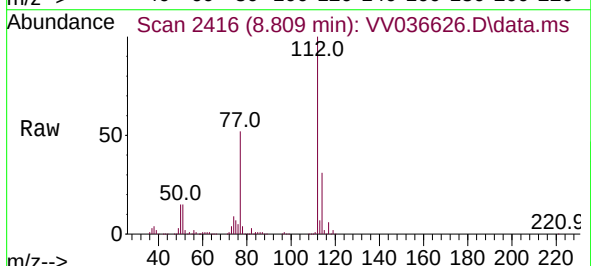
Tgt Ion:112 Resp: 456769

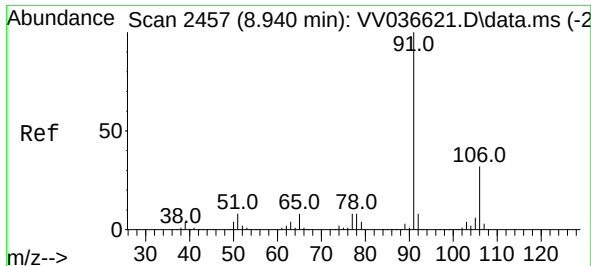
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 51.8 41.9 62.9





#52

Ethylbenzene

Concen: 23.724 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

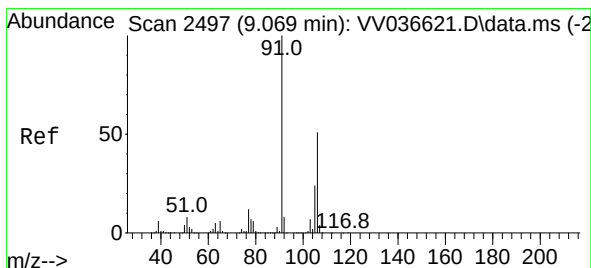
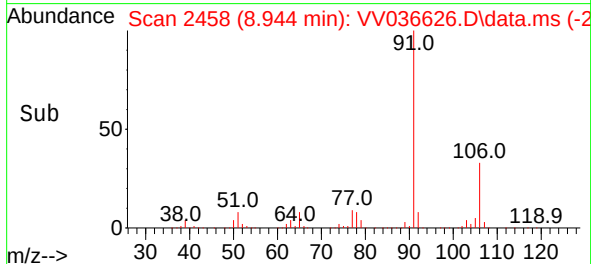
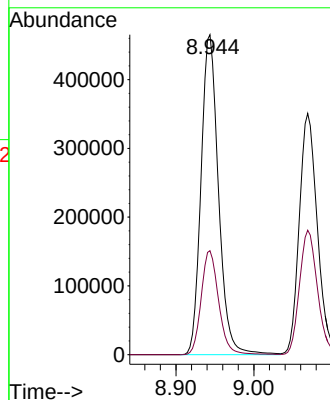
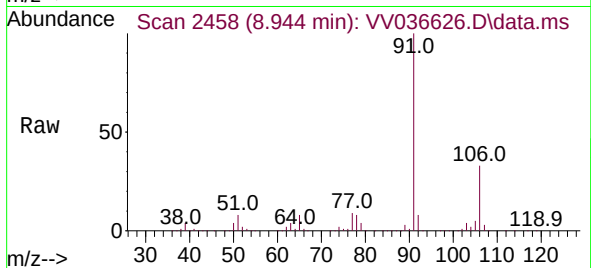
ClientSampleId :

Tgt Ion: 91 Resp: 724313

Ion Ratio Lower Upper

91 100

106 32.5 22.5 41.7



#53

m,p-Xylene

Concen: 24.453 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036626.D

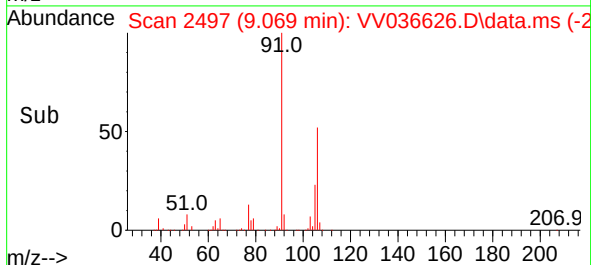
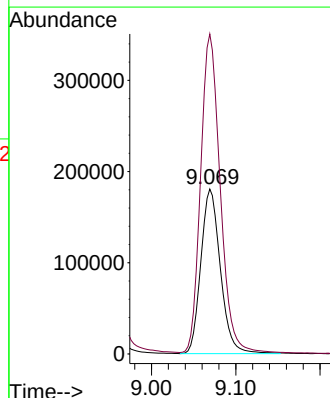
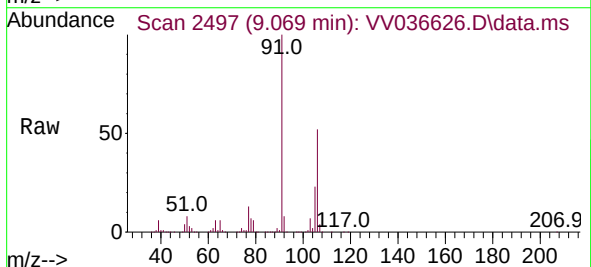
Acq: 22 Jul 2024 11:49

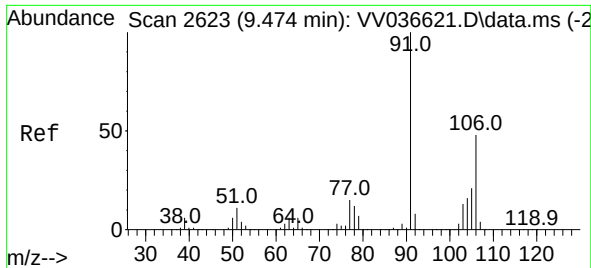
Tgt Ion:106 Resp: 291476

Ion Ratio Lower Upper

106 100

91 194.0 136.8 254.0

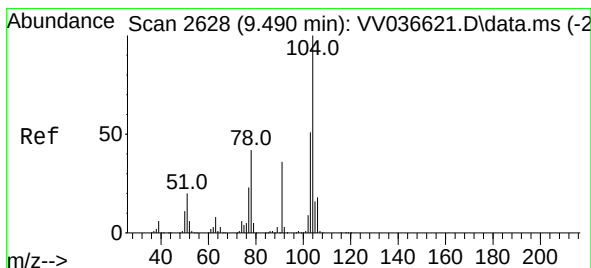
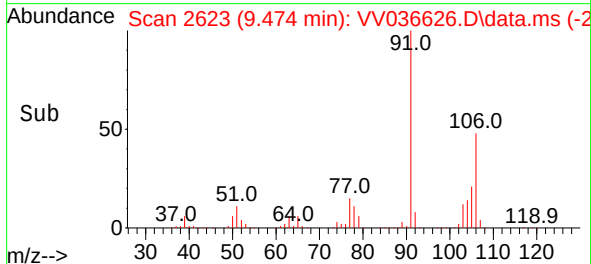
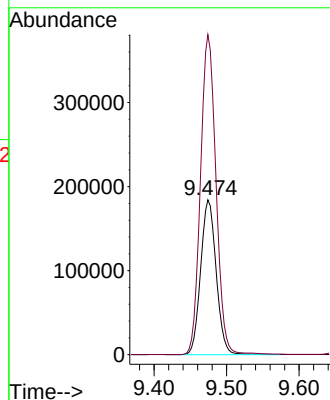
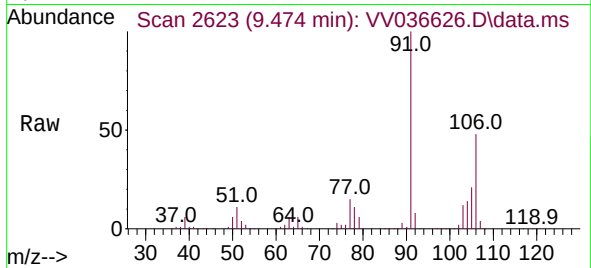




#54
o-Xylene
Concen: 23.892 ug/L
RT: 9.474 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

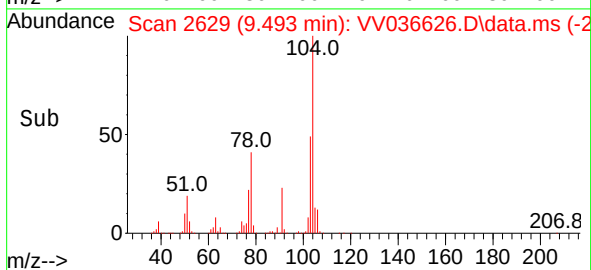
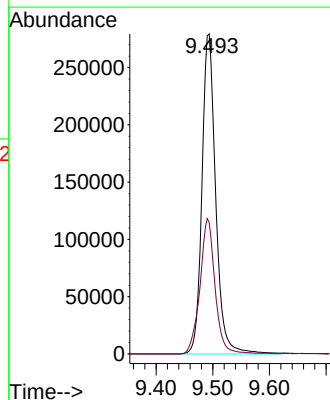
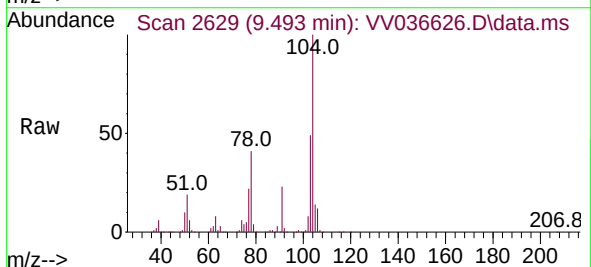
Instrument :
MSVOA_V
ClientSampleId :

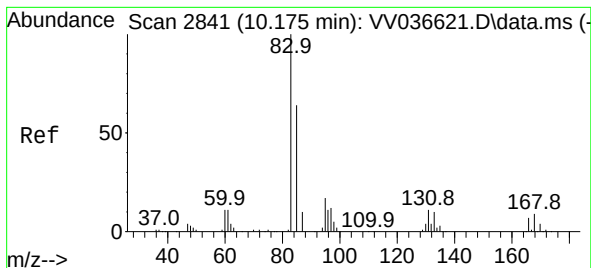
Tgt Ion:106 Resp: 273633
Ion Ratio Lower Upper
106 100
91 206.7 146.1 271.3



#55
Styrene
Concen: 24.250 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

Tgt Ion:104 Resp: 470937
Ion Ratio Lower Upper
104 100
78 41.1 29.7 55.1

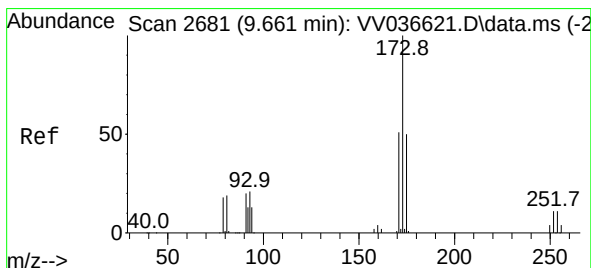
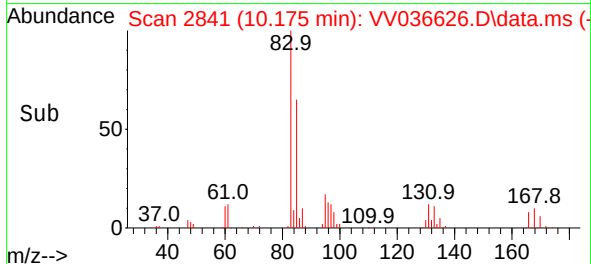
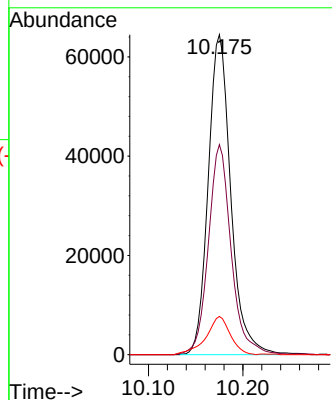
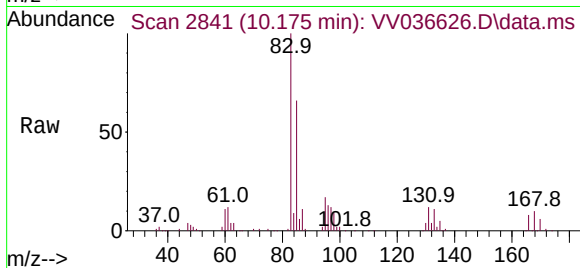




#57
1,1,2,2-Tetrachloroethane
Concen: 20.963 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

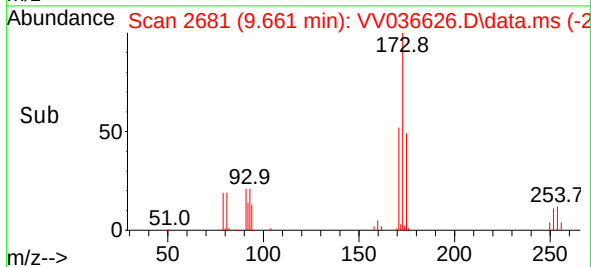
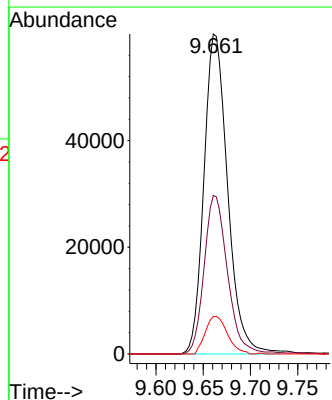
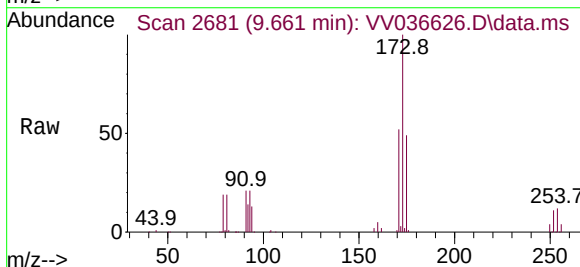
Instrument :
MSVOA_V
ClientSampleId :

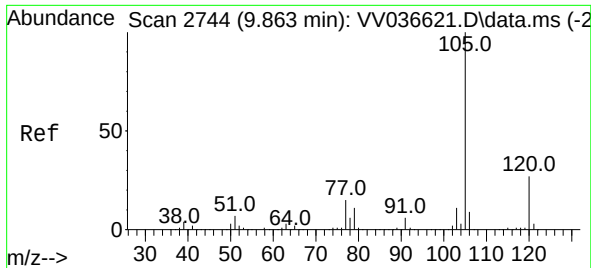
Tgt Ion: 83 Resp: 106832
Ion Ratio Lower Upper
83 100
85 65.7 44.9 83.3
131 11.9 9.3 13.9



#59
Bromoform
Concen: 22.654 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

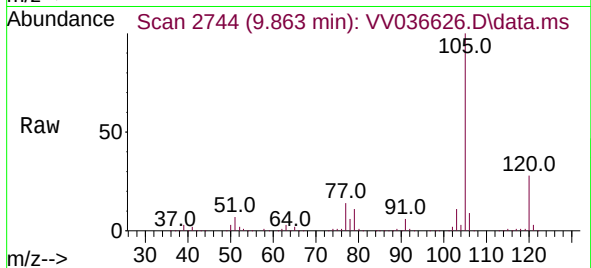
Tgt Ion: 173 Resp: 104596
Ion Ratio Lower Upper
173 100
175 48.5 39.6 59.4
254 10.9 8.2 12.4



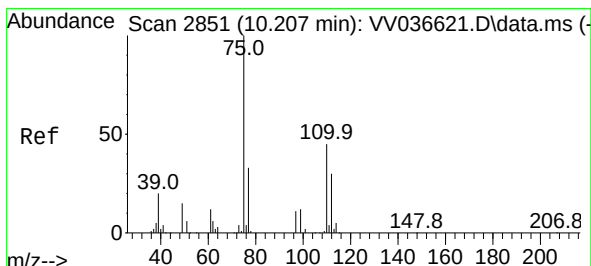
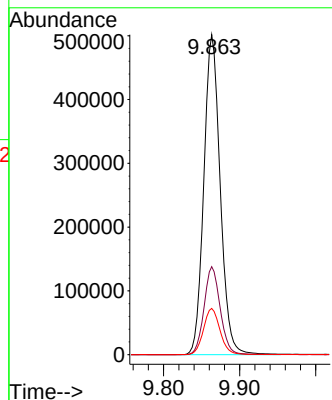
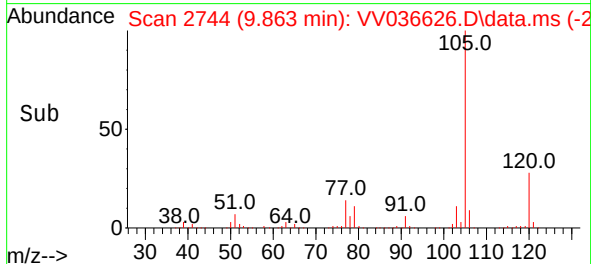


#60
Isopropylbenzene
Concen: 25.000 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49

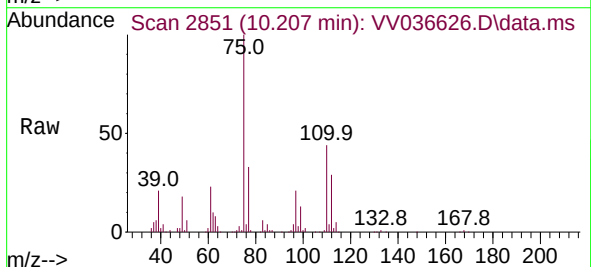
Instrument :
MSVOA_V
ClientSampleId :



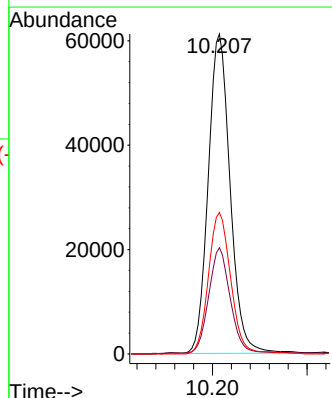
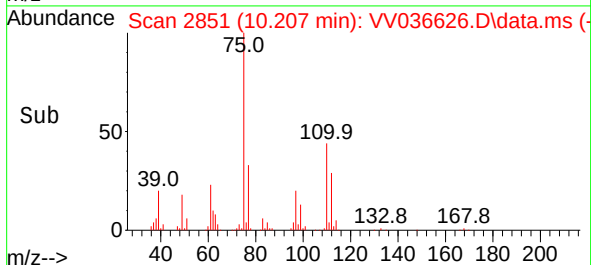
Tgt Ion:105 Resp: 750035
Ion Ratio Lower Upper
105 100
120 27.1 22.1 33.1
77 14.5 11.8 17.6

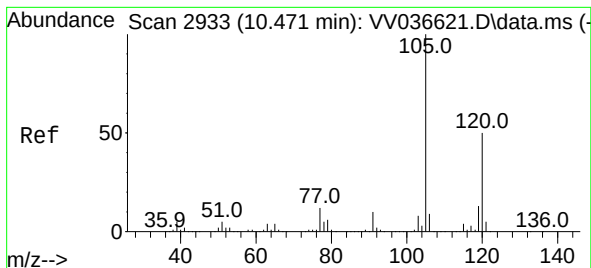


#61
1,2,3-Trichloropropane
Concen: 22.728 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036626.D
Acq: 22 Jul 2024 11:49



Tgt Ion: 75 Resp: 98229
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
110 44.9 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 25.634 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

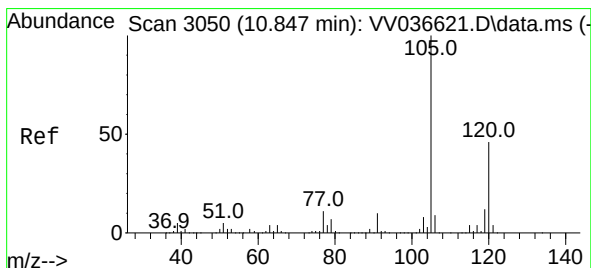
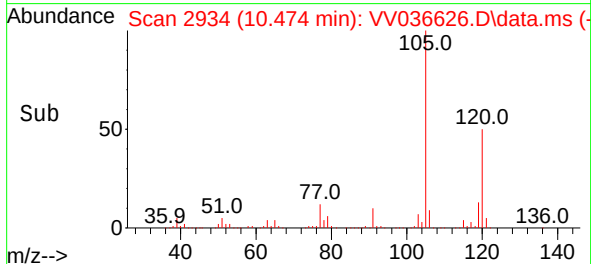
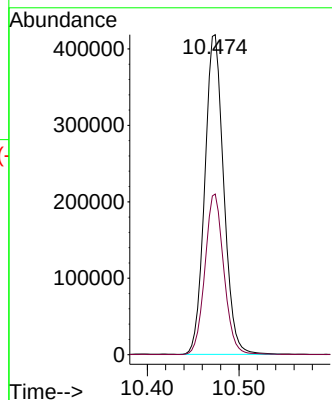
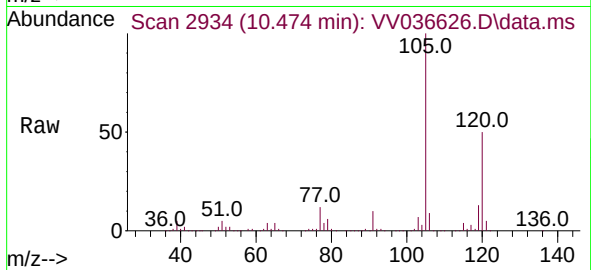
ClientSampleId :

Tgt Ion:105 Resp: 599862

Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 25.154 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV036626.D

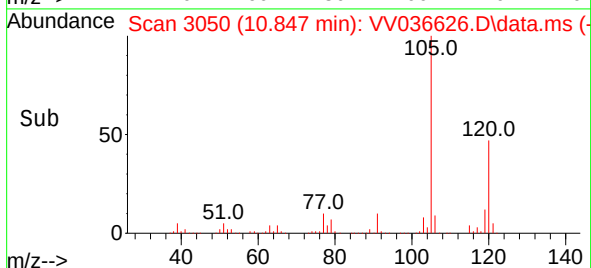
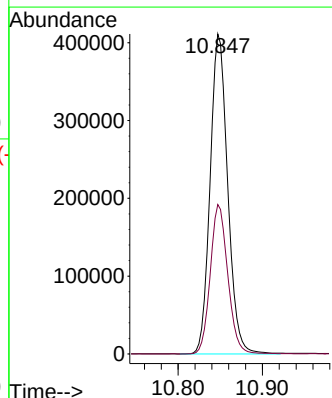
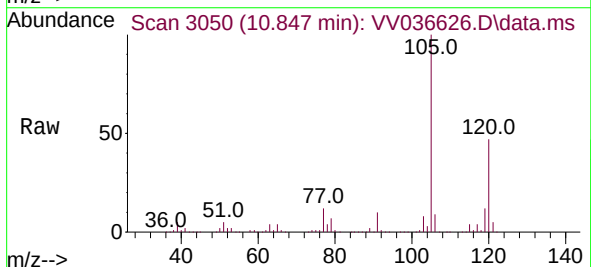
Acq: 22 Jul 2024 11:49

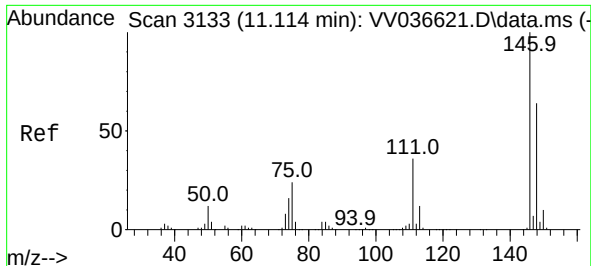
Tgt Ion:105 Resp: 595863

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8





#64

1,3-Dichlorobenzene

Concen: 22.953 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

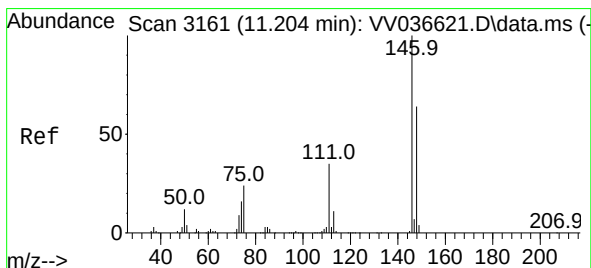
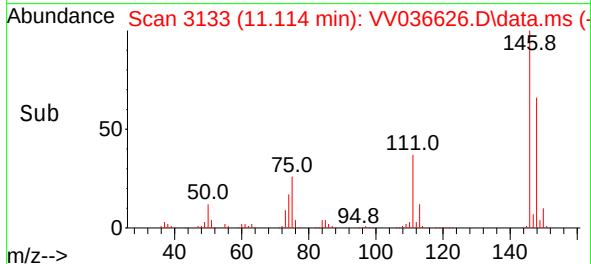
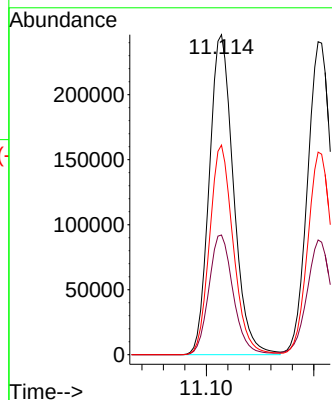
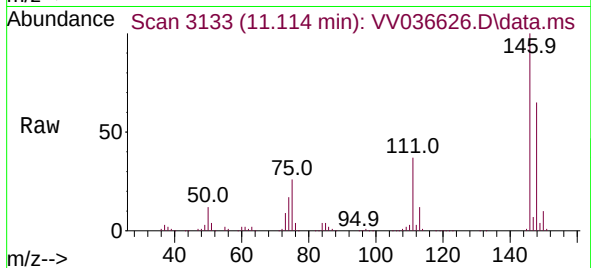
Tgt Ion:146 Resp: 384941

Ion Ratio Lower Upper

146 100

111 37.4 25.5 47.3

148 65.5 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 22.723 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

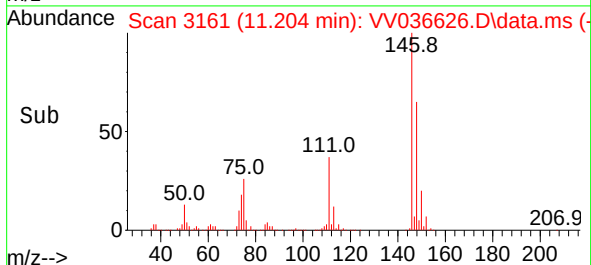
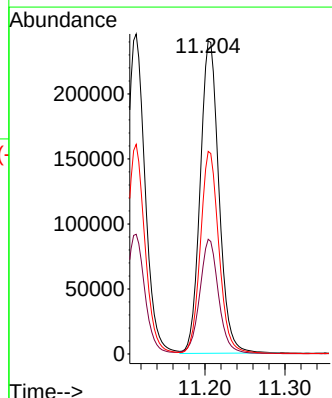
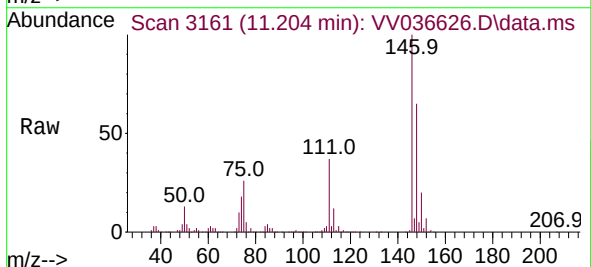
Tgt Ion:146 Resp: 392445

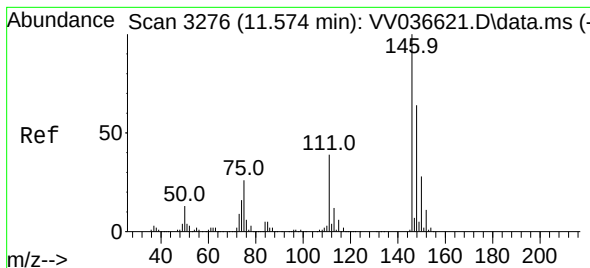
Ion Ratio Lower Upper

146 100

111 36.7 24.9 46.3

148 64.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 22.615 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

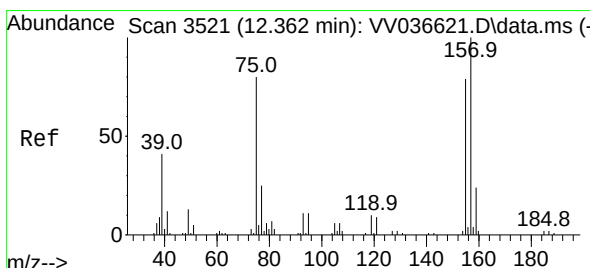
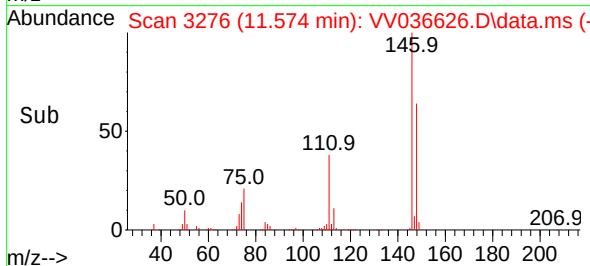
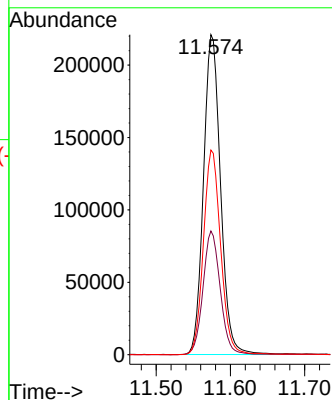
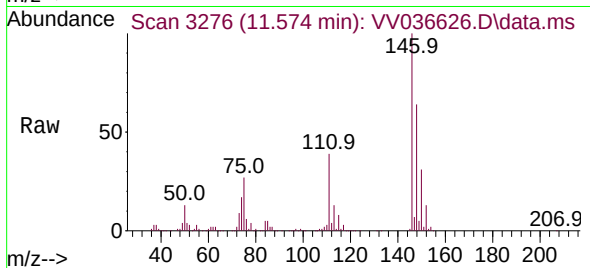
Tgt Ion:146 Resp: 352650

Ion Ratio Lower Upper

146 100

111 38.6 31.3 46.9

148 64.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 21.237 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

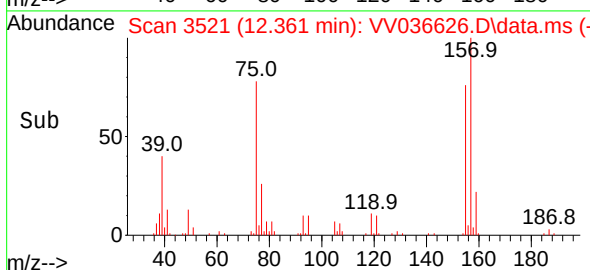
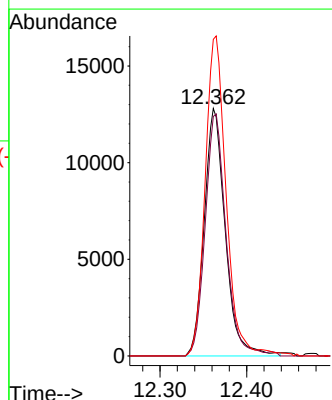
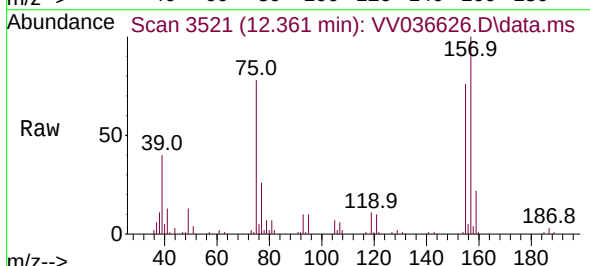
Tgt Ion: 75 Resp: 21614

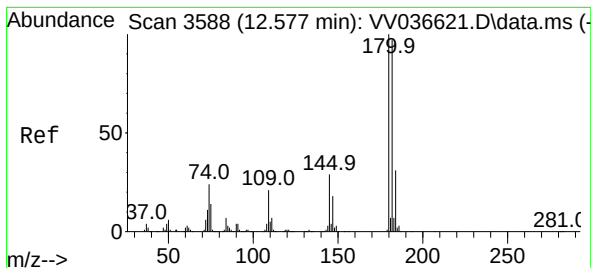
Ion Ratio Lower Upper

75 100

155 96.8 79.5 119.3

157 128.0 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 22.452 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

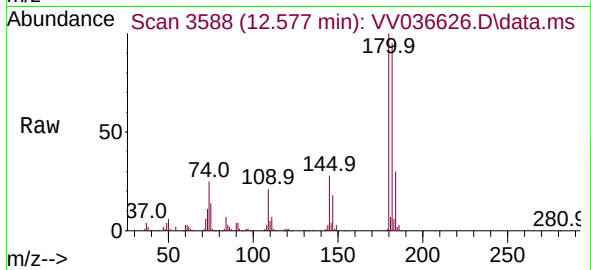
Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 297040

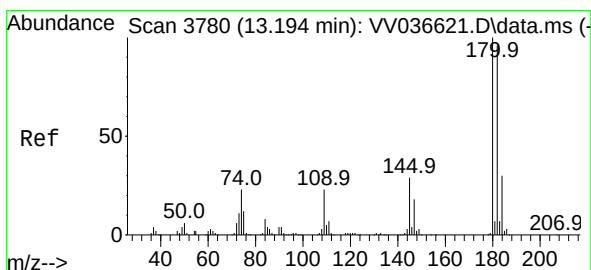
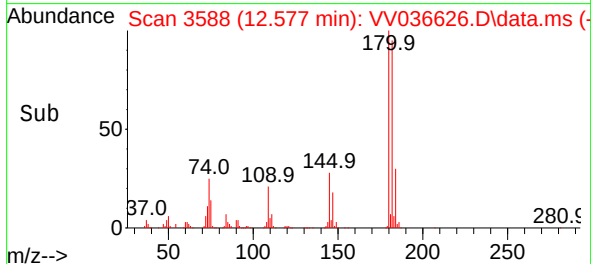
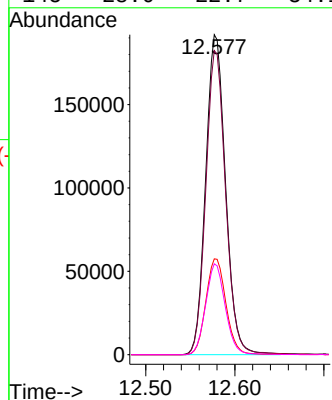
Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

184 30.2 24.6 36.8

145 28.0 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 21.766 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

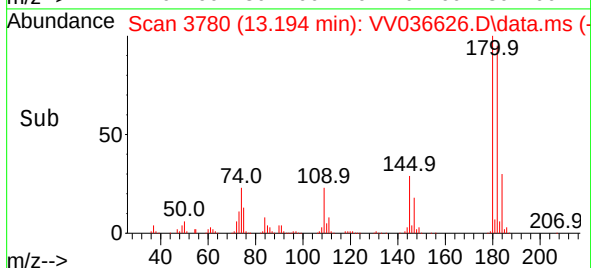
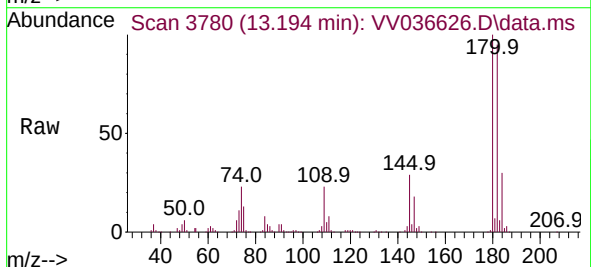
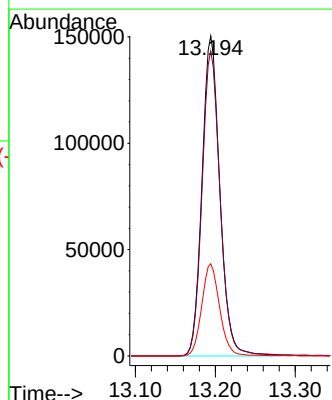
Tgt Ion:180 Resp: 233912

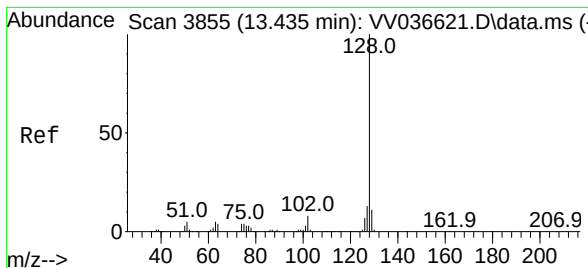
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

145 28.9 23.0 34.6





#71

Naphthalene

Concen: 23.005 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Instrument :

MSVOA_V

ClientSampleId :

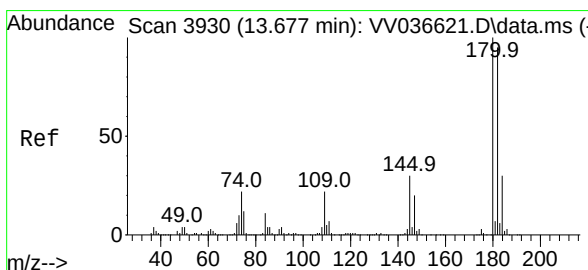
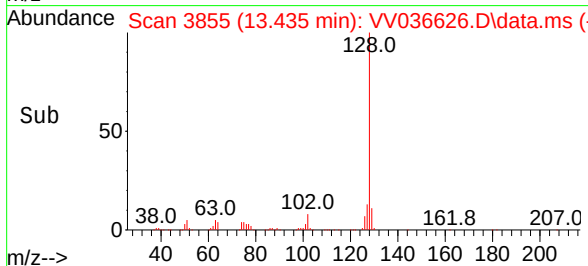
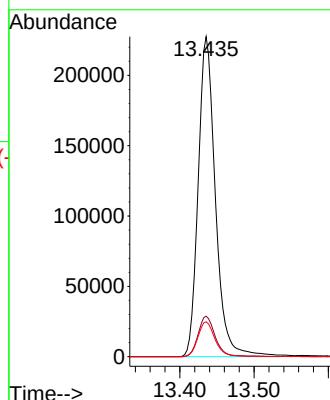
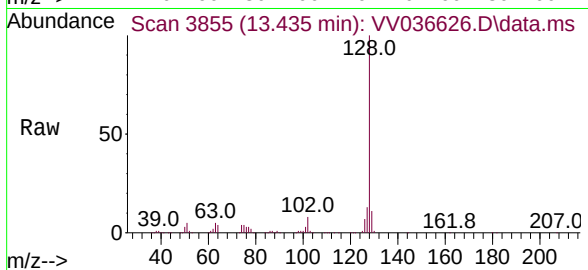
Tgt Ion:128 Resp: 367767

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 21.907 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036626.D

Acq: 22 Jul 2024 11:49

Tgt Ion:180 Resp: 212418

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 30.5 24.6 37.0

