

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
 Data File : VV034747.D
 Acq On : 19 Mar 2024 19:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 20 01:28:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 01:19:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	337423	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	313979	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	163438	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	136636	46.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.420%
7) Chloroethane-d5	1.523	69	118778	52.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.240%
11) 1,1-Dichloroethene-d2	2.056	65	60798	45.959	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.920%
21) 2-Butanone-d5	3.783	46	214868	109.843	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.840%
24) Chloroform-d	4.246	84	289300	55.937	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.880%
26) 1,2-Dichloroethane-d4	4.937	65	191830	56.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.520%
32) Benzene-d6	4.957	84	551599	58.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.420%
36) 1,2-Dichloropropane-d6	5.986	67	162173	56.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.160%
41) Toluene-d8	7.240	98	480108	55.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.980%
43) trans-1,3-Dichloroprop...	7.551	79	84977	58.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.040%
47) 2-Hexanone-d5	8.024	63	136204	94.319	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.320%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	220188	57.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	184273	55.160	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	105956	29.937	ug/L	100
3) Chloromethane	1.214	50	133504	38.387	ug/L	98
5) Vinyl chloride	1.282	62	124848	36.982	ug/L	99
6) Bromomethane	1.481	94	90591	44.725	ug/L	98
8) Chloroethane	1.542	64	88009	43.861	ug/L	99
9) Trichlorofluoromethane	1.709	101	178594	35.327	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	92294	33.873	ug/L	96
12) 1,1-Dichloroethene	2.066	96	99843	39.516	ug/L	91
13) Acetone	2.114	43	167287	71.138	ug/L	99
14) Carbon disulfide	2.240	76	247358	35.276	ug/L	99
15) Methyl Acetate	2.372	43	164379	54.639	ug/L	100
16) Methylene chloride	2.446	84	139706	52.128	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	110184	45.056	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	480389	54.701	ug/L	98
19) 1,1-Dichloroethane	3.108	63	248476	51.868	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	137955	51.993	ug/L	98
22) 2-Butanone	3.867	43	224301	96.592	ug/L	99
23) Bromochloromethane	4.143	128	73822	53.805	ug/L	97
25) Chloroform	4.272	83	260326	52.429	ug/L	99

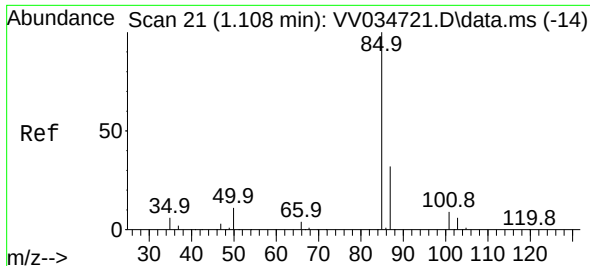
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	211517	52.431	ug/L	97
29) Cyclohexane	4.580	56	144074	34.886	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	213406	47.398	ug/L	100
31) Carbon tetrachloride	4.735	117	172933	43.383	ug/L	99
33) Benzene	5.008	78	501028	51.409	ug/L	100
34) Trichloroethene	5.831	95	127939	46.182	ug/L	97
35) Methylcyclohexane	6.047	83	135215	32.105	ug/L	99
37) 1,2-Dichloropropane	6.092	63	135954	53.282	ug/L	99
38) Bromodichloromethane	6.429	83	190359	53.038	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	215254	52.069	ug/L	95
40) 4-Methyl-2-pentanone	7.153	43	414684	110.217	ug/L	99
42) Toluene	7.313	91	514666	49.897	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	210642	52.979	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	138332	56.189	ug/L	98
46) Tetrachloroethene	7.902	164	88259	42.839	ug/L	99
48) 2-Hexanone	8.072	43	325546	108.585	ug/L	97
49) Dibromochloromethane	8.175	129	146049	56.216	ug/L	100
50) 1,2-Dibromoethane	8.281	107	142277	54.461	ug/L	99
51) Chlorobenzene	8.812	112	340877	51.120	ug/L	99
52) Ethylbenzene	8.944	91	570993	49.405	ug/L	100
53) m,p-Xylene	9.072	106	216020	49.255	ug/L	99
54) o-Xylene	9.477	106	222333	51.770	ug/L	98
55) Styrene	9.493	104	384011	52.812	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	210955	57.050	ug/L	100
59) Bromoform	9.664	173	106827	58.954	ug/L	99
60) Isopropylbenzene	9.866	105	572060	49.490	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	173425	55.588	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	483610	49.597	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	496554	51.490	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	272234	50.938	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	273518	50.396	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	282602	52.770	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	50758	54.617	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	186562	46.532	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	169714	47.043	ug/L	99
71) Naphthalene	13.439	128	506634	52.500	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	173577	49.320	ug/L	99

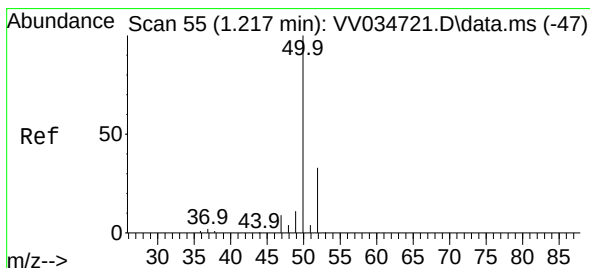
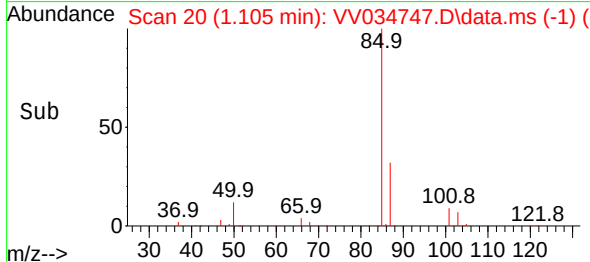
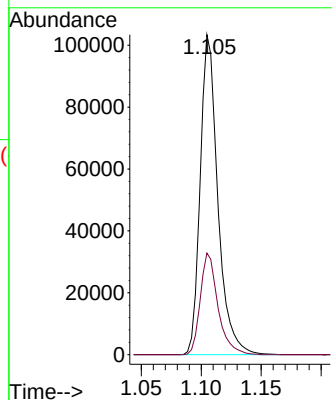
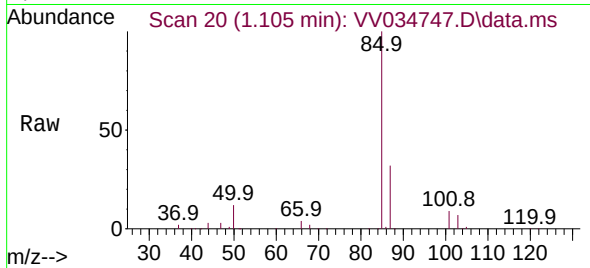
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 29.937 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57

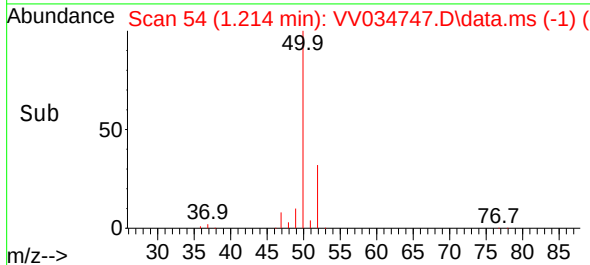
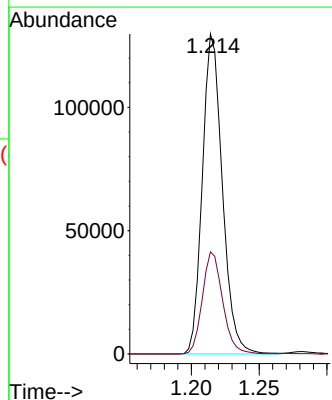
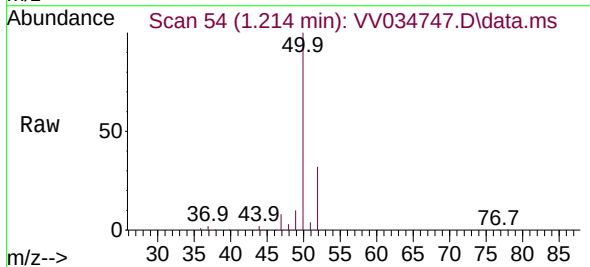
Instrument :
 MSVOA_V
 ClientSampleId :

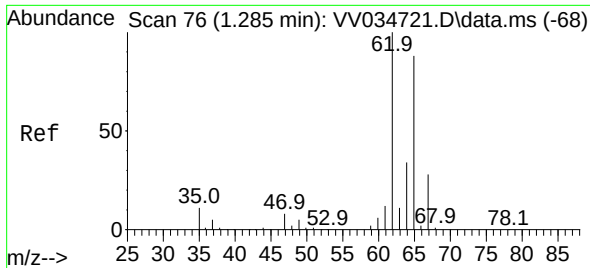
Tgt Ion: 85 Resp: 105956
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.5 38.3



#3
 Chloromethane
 Concen: 38.387 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57

Tgt Ion: 50 Resp: 133504
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.0 42.8

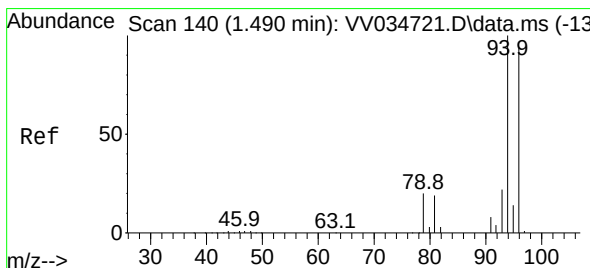
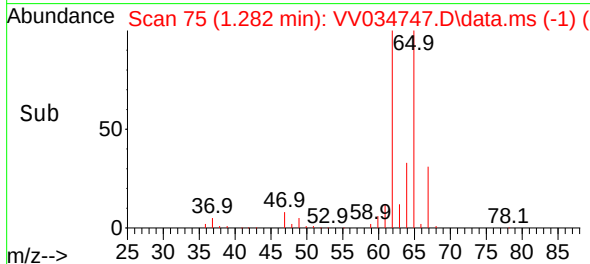
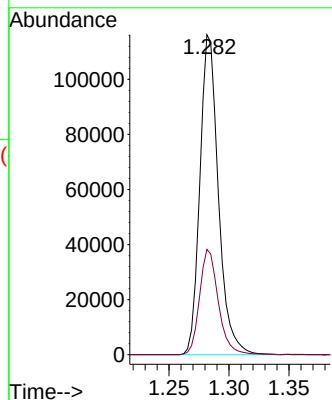
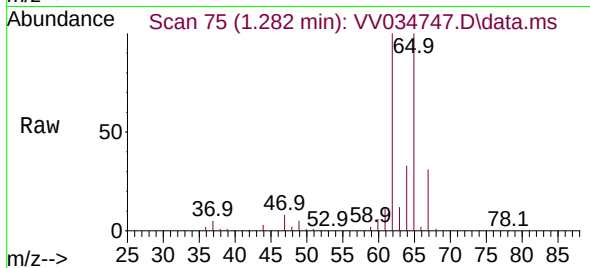




#5
Vinyl chloride
Concen: 36.982 ug/L
RT: 1.282 min Scan# 71
Delta R.T. -0.003 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

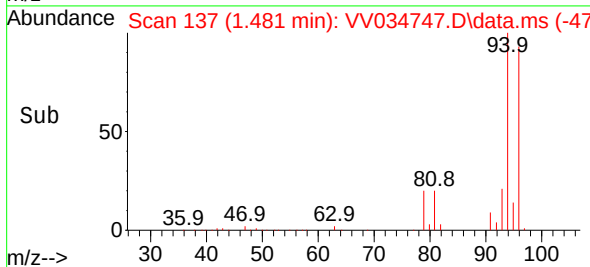
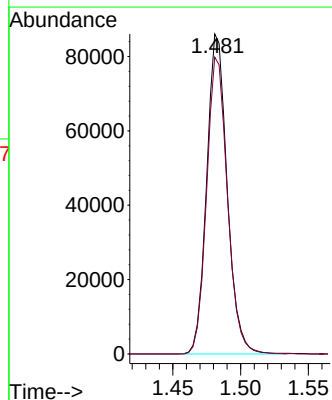
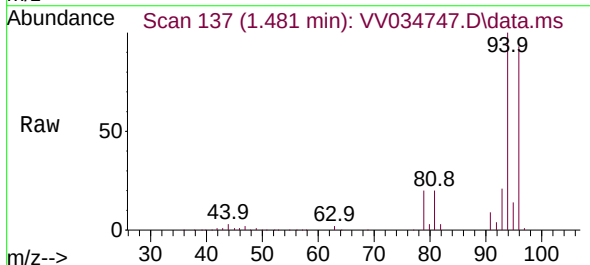
Instrument :
MSVOA_V
ClientSampleId :

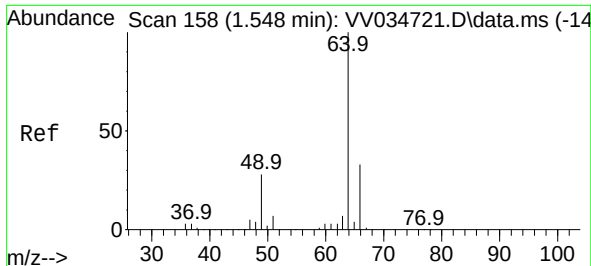
Tgt Ion: 62 Resp: 124848
Ion Ratio Lower Upper
62 100
64 32.9 23.4 43.6



#6
Bromomethane
Concen: 44.725 ug/L
RT: 1.481 min Scan# 137
Delta R.T. -0.010 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion: 94 Resp: 90591
Ion Ratio Lower Upper
94 100
96 92.8 66.0 122.6

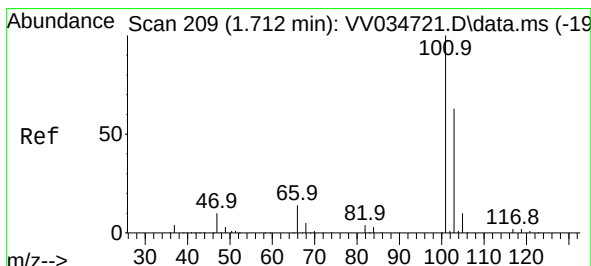
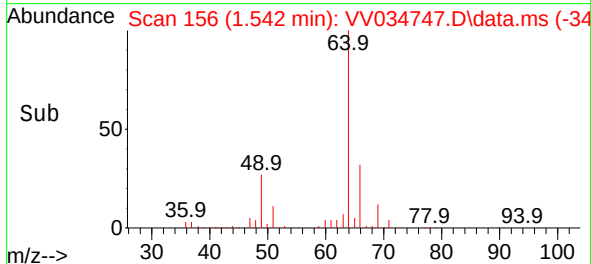
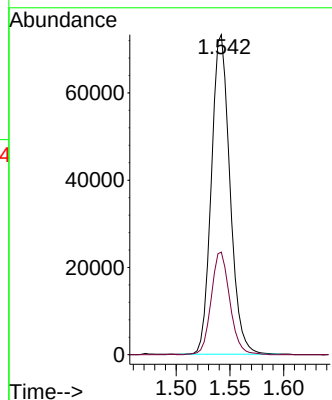
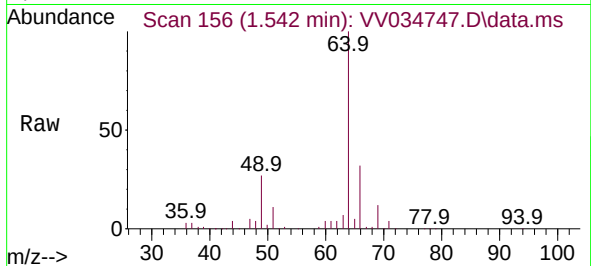




#8
Chloroethane
Concen: 43.861 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.006 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

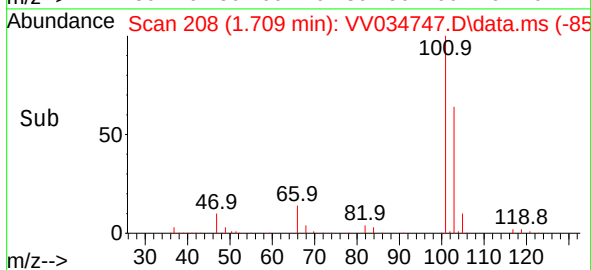
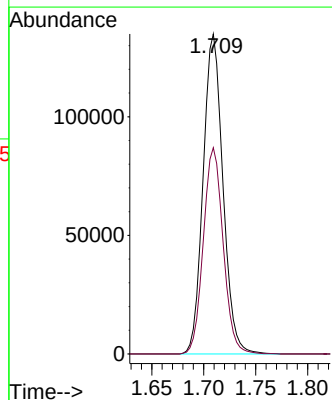
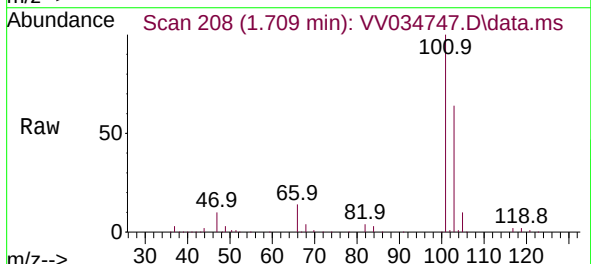
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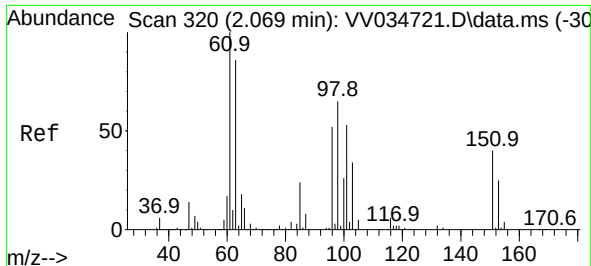
Tgt Ion: 64 Resp: 88009
Ion Ratio Lower Upper
64 100
66 32.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 35.327 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion:101 Resp: 178594
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#10

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

Concen: 33.873 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

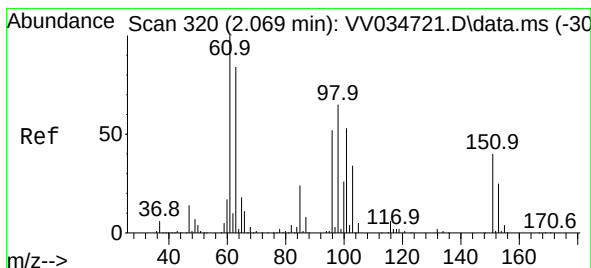
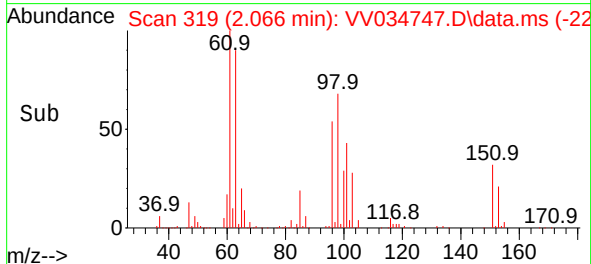
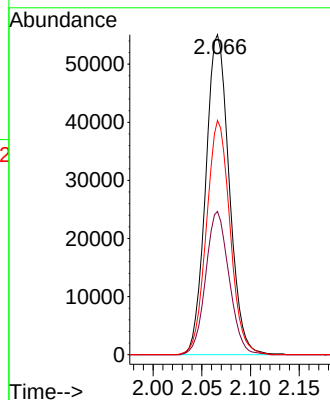
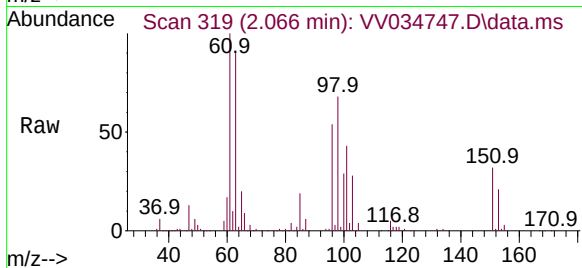
Tgt Ion:101 Resp: 92294

Ion Ratio Lower Upper

101 100

85 44.7 37.4 56.0

151 73.5 61.4 92.2



#12

1,1-Dichloroethene

Concen: 39.516 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

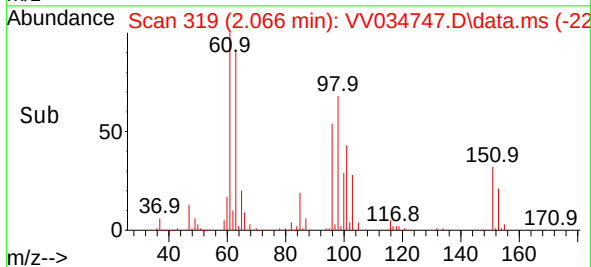
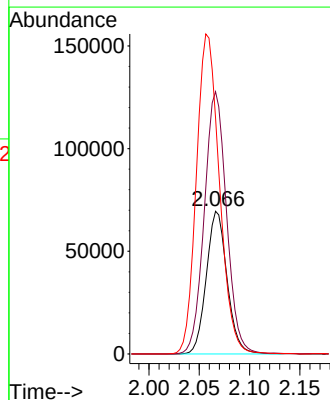
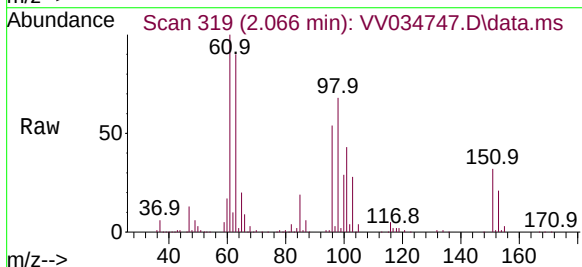
Tgt Ion: 96 Resp: 99843

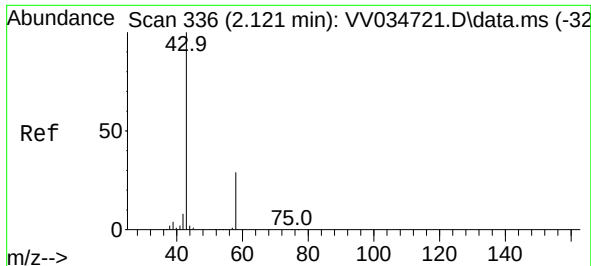
Ion Ratio Lower Upper

96 100

61 183.9 128.9 239.3

63 165.4 98.0 182.0





#13

Acetone

Concen: 71.138 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.006 min

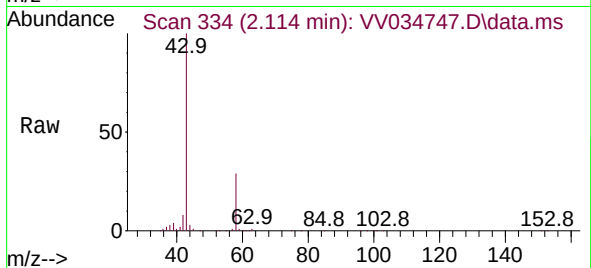
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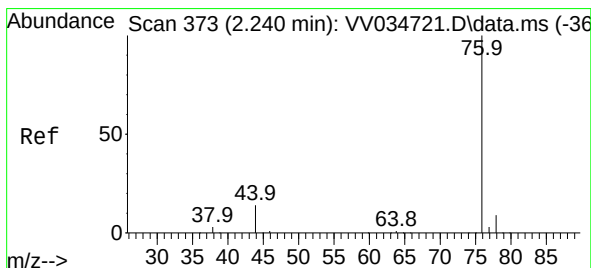
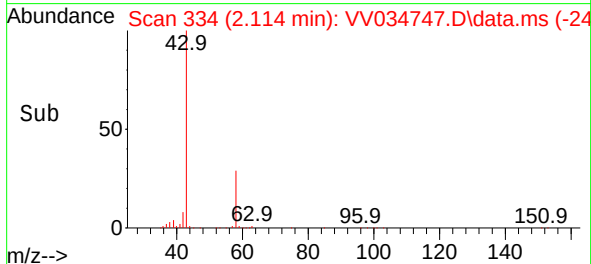
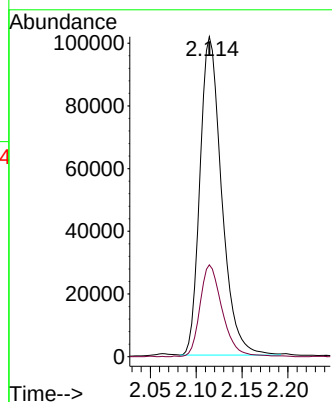


Tgt Ion: 43 Resp: 167287

Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.2



#14

Carbon disulfide

Concen: 35.276 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034747.D

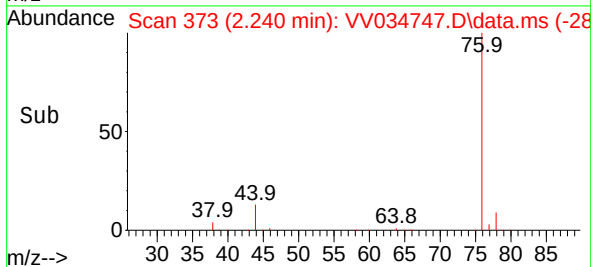
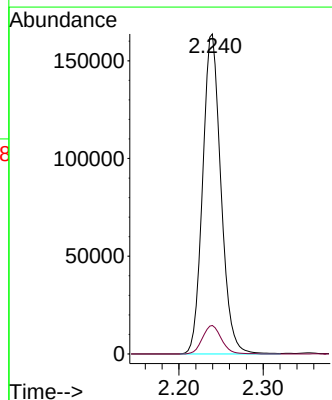
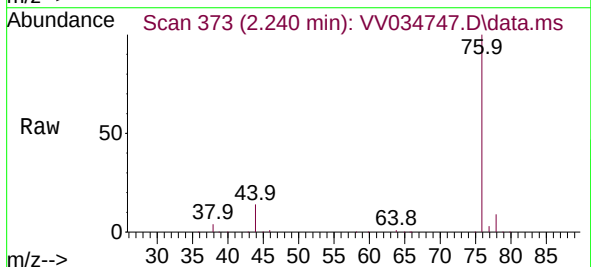
Acq: 19 Mar 2024 19:57

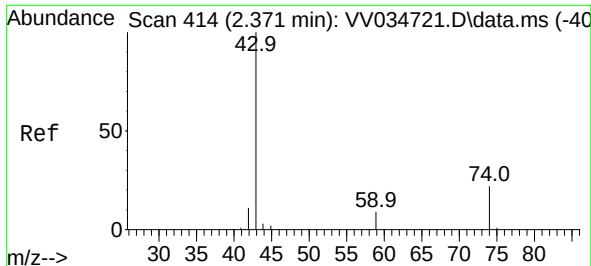
Tgt Ion: 76 Resp: 247358

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 54.639 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

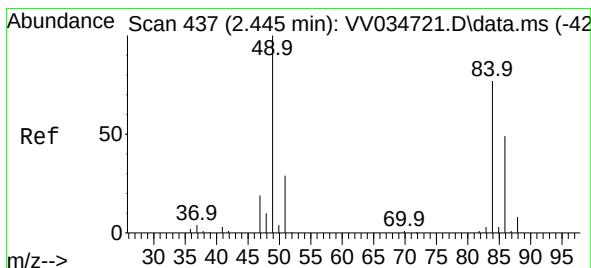
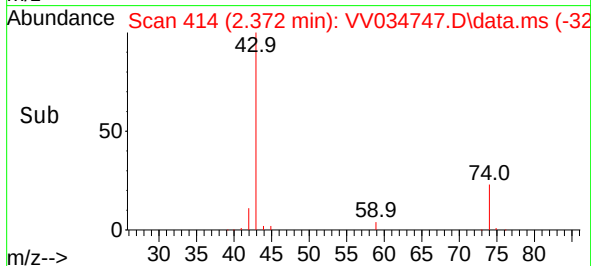
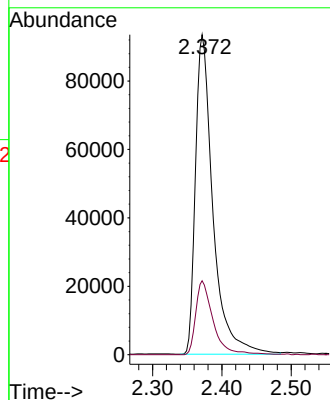
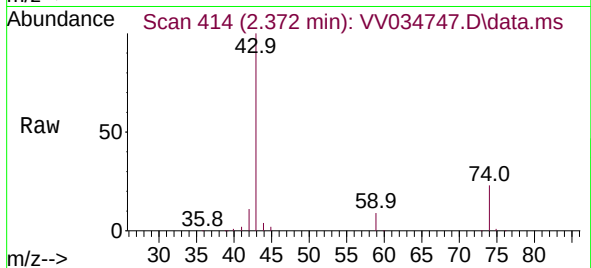
ClientSampleId :

Tgt Ion: 43 Resp: 164379

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



#16

Methylene chloride

Concen: 52.128 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

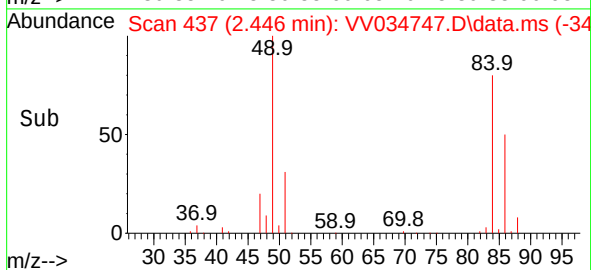
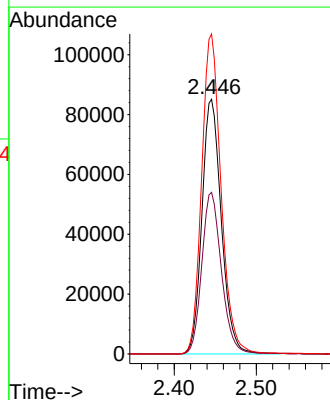
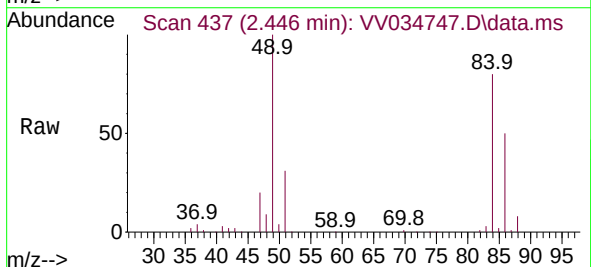
Tgt Ion: 84 Resp: 139706

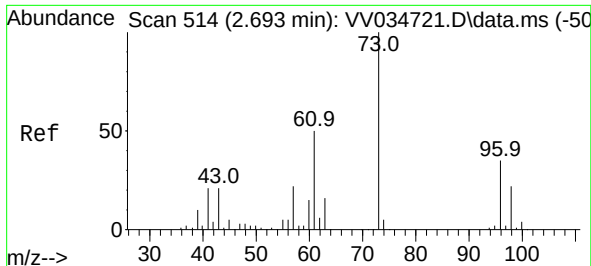
Ion Ratio Lower Upper

84 100

86 63.4 45.6 84.6

49 125.6 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 45.056 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

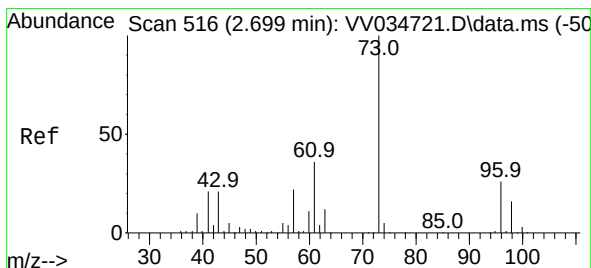
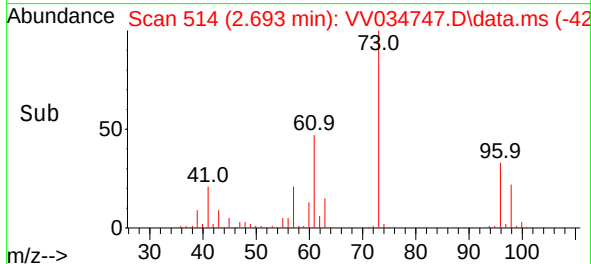
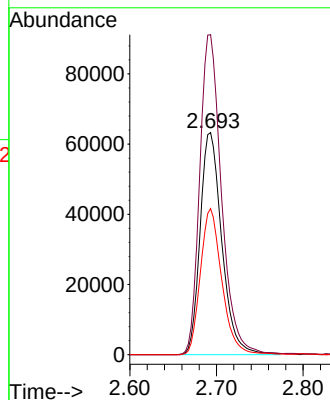
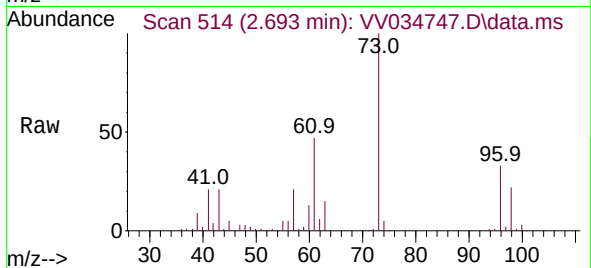
Tgt Ion: 96 Resp: 110184

Ion Ratio Lower Upper

96 100

61 144.0 98.8 183.4

98 65.8 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 54.701 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

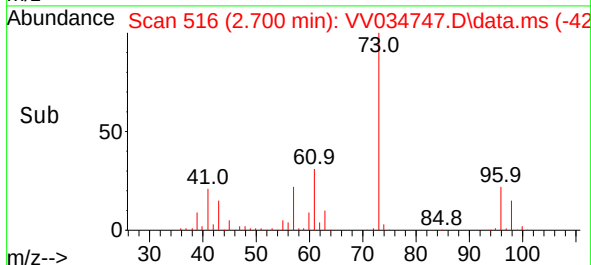
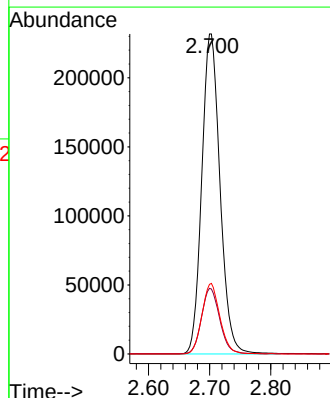
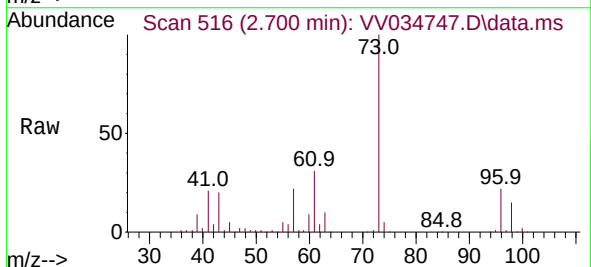
Tgt Ion: 73 Resp: 480389

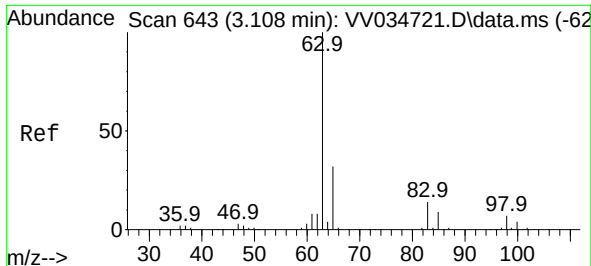
Ion Ratio Lower Upper

73 100

43 20.3 17.1 25.7

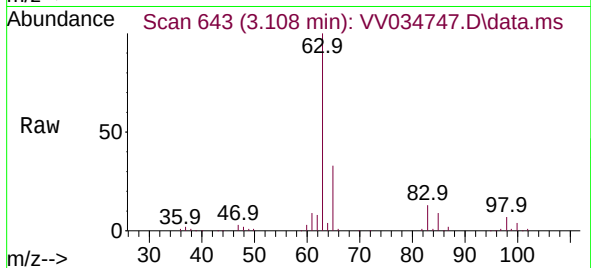
57 21.6 17.6 26.4



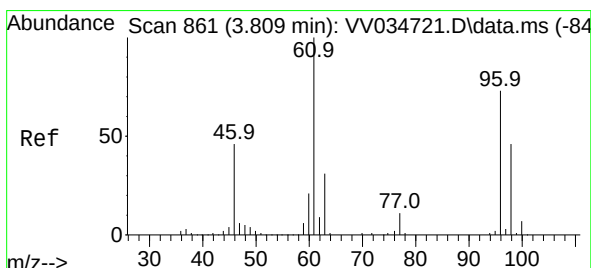
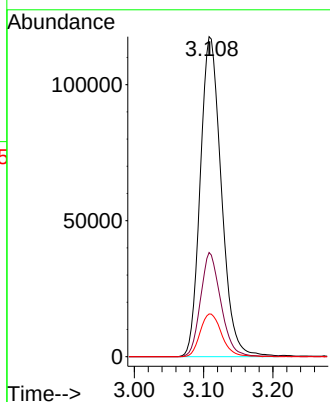
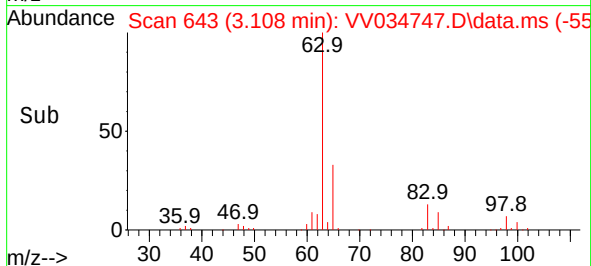


#19
 1,1-Dichloroethane
 Concen: 51.868 ug/L
 RT: 3.108 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57

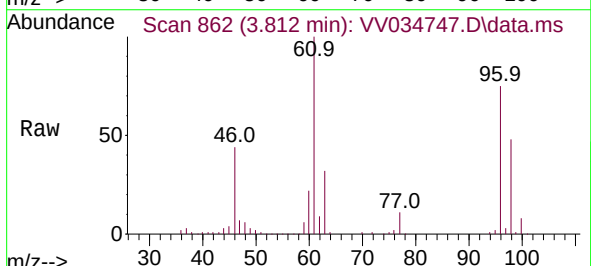
Instrument :
 MSVOA_V
 ClientSampleId :



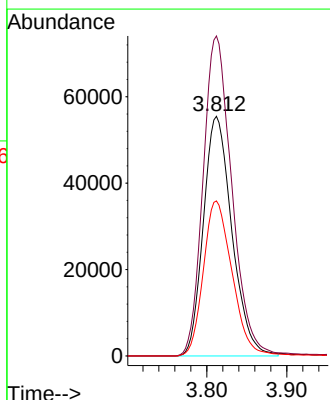
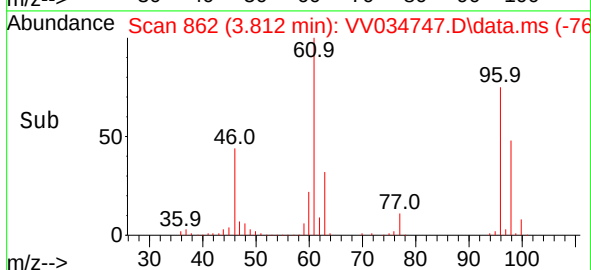
Tgt Ion: 63 Resp: 248476
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.1 41.1
 83 13.3 9.9 18.3

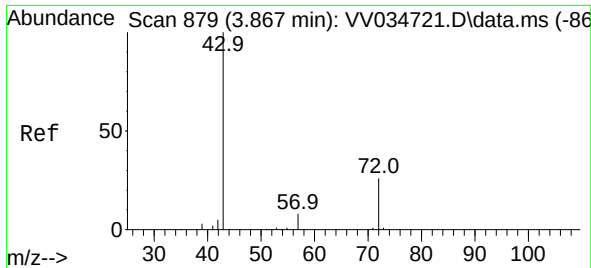


#20
 cis-1,2-Dichloroethene
 Concen: 51.993 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. 0.003 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57



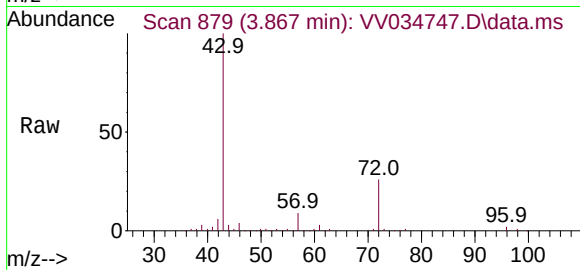
Tgt Ion: 96 Resp: 137955
 Ion Ratio Lower Upper
 96 100
 61 133.5 96.0 178.4
 98 64.7 46.0 85.4



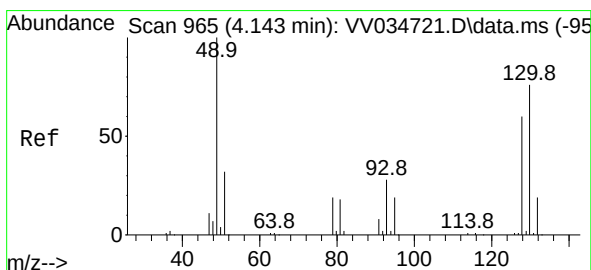
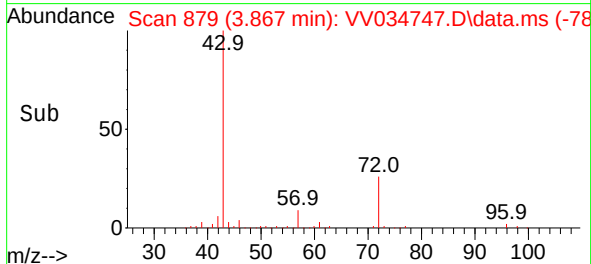
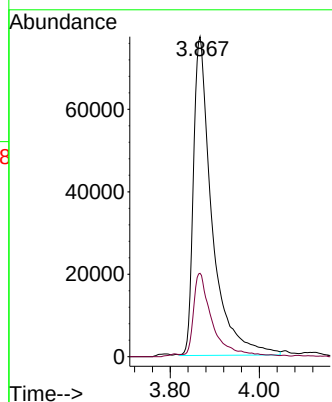


#22
2-Butanone
Concen: 96.592 ug/L
RT: 3.867 min Scan# 879
Delta R.T. 0.000 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Instrument :
MSVOA_V
ClientSampleId :

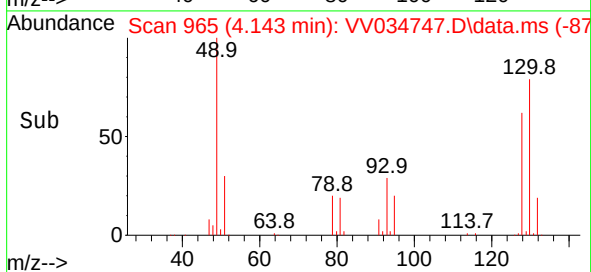
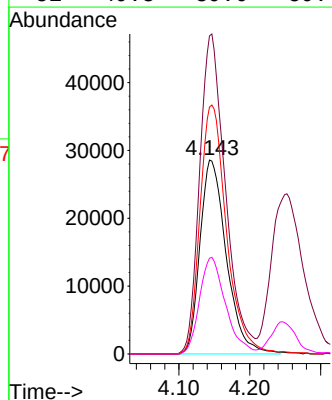
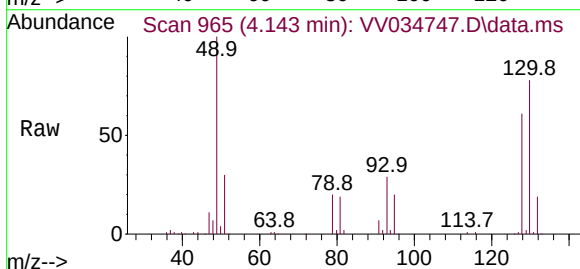


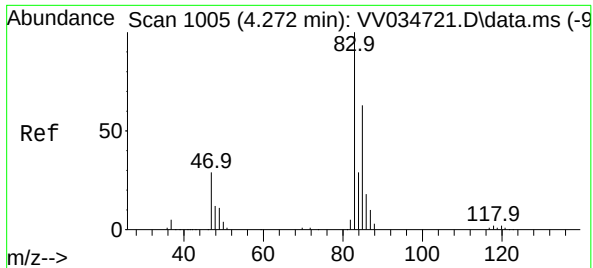
Tgt Ion: 43 Resp: 224301
Ion Ratio Lower Upper
43 100
72 23.5 11.5 34.4



#23
Bromochloromethane
Concen: 53.805 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion: 128 Resp: 73822
Ion Ratio Lower Upper
128 100
49 164.0 109.4 203.2
130 127.3 87.7 162.9
51 49.3 39.6 59.4





#25

Chloroform

Concen: 52.429 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

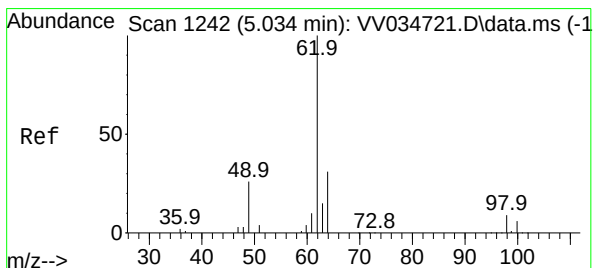
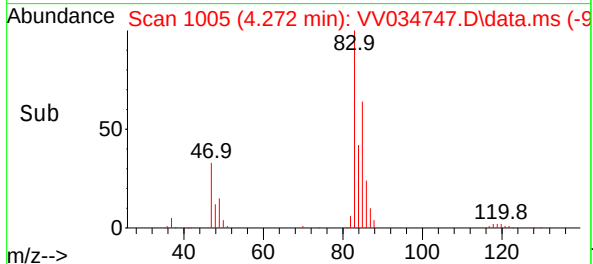
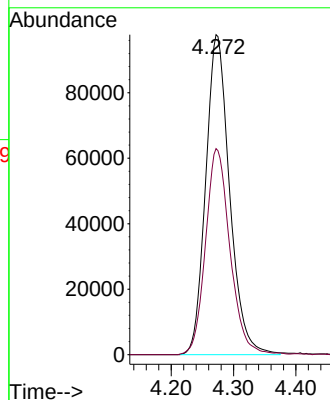
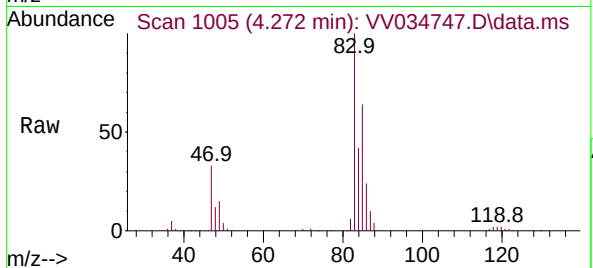
ClientSampleId :

Tgt Ion: 83 Resp: 260326

Ion Ratio Lower Upper

83 100

85 64.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 52.431 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV034747.D

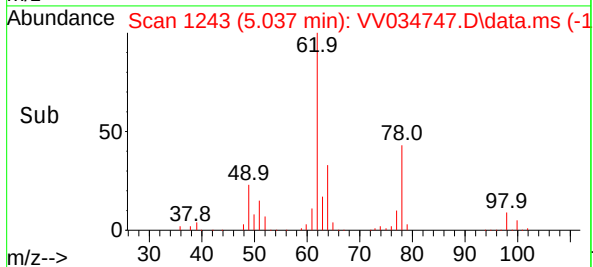
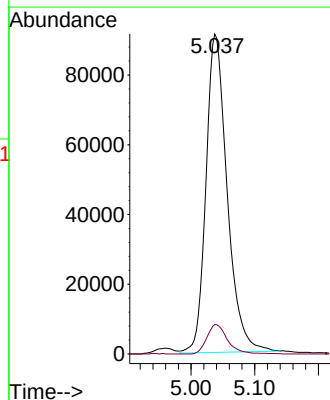
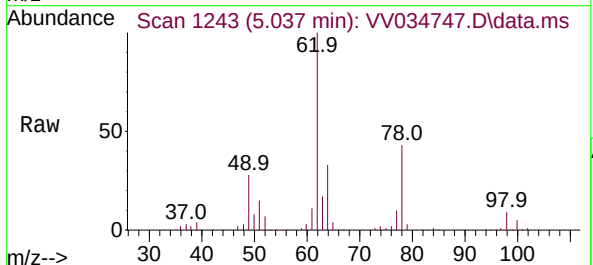
Acq: 19 Mar 2024 19:57

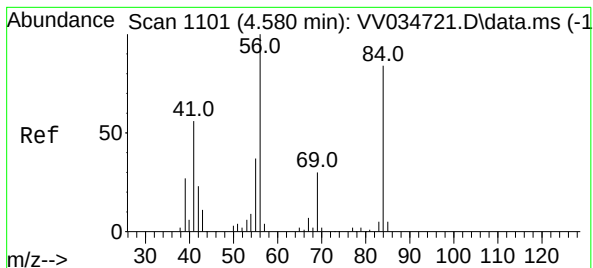
Tgt Ion: 62 Resp: 211517

Ion Ratio Lower Upper

62 100

98 9.2 6.6 10.0





#29

Cyclohexane

Concen: 34.886 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

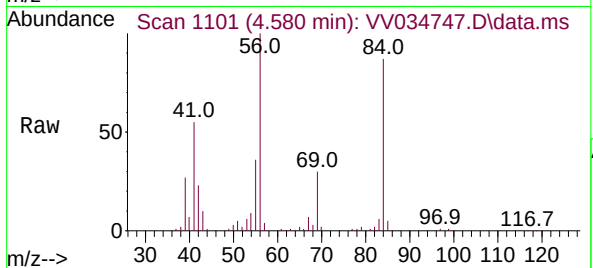
Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :



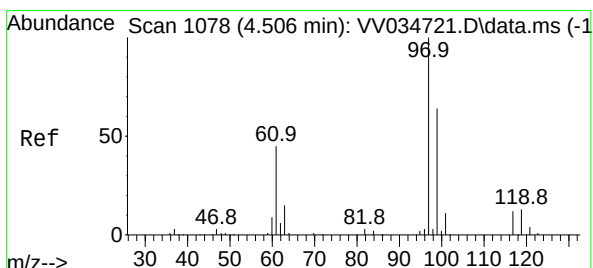
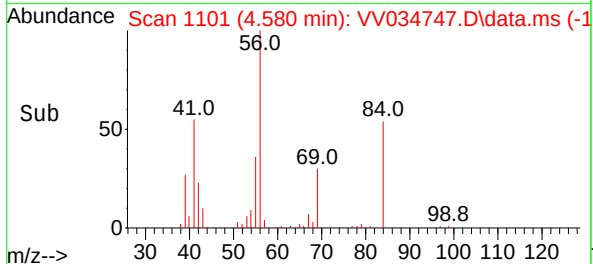
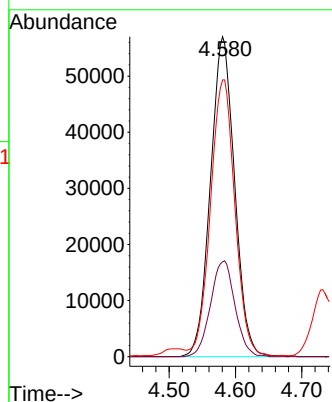
Tgt Ion: 56 Resp: 144074

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 87.6 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 47.398 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

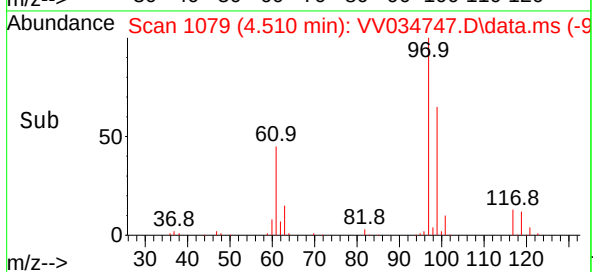
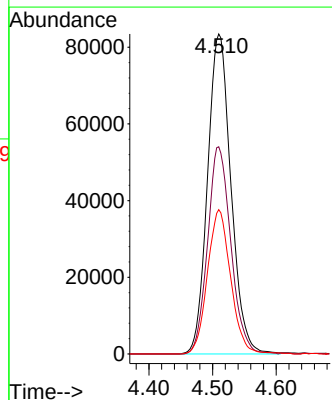
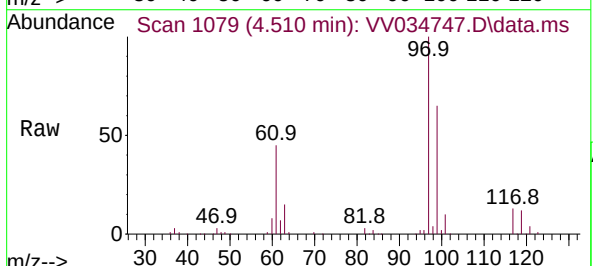
Tgt Ion: 97 Resp: 213406

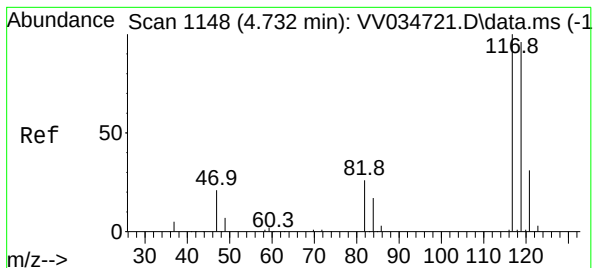
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 44.8 36.0 54.0





#31

Carbon tetrachloride

Concen: 43.383 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

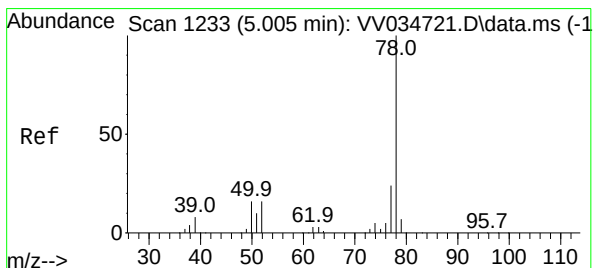
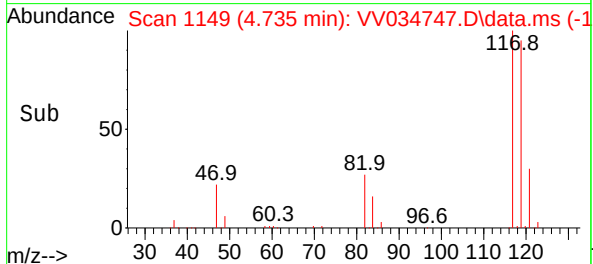
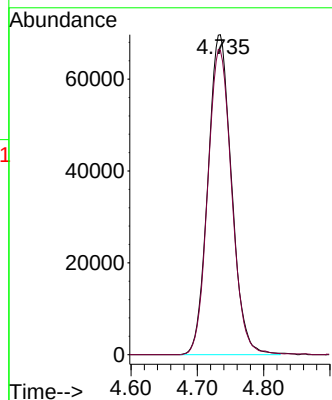
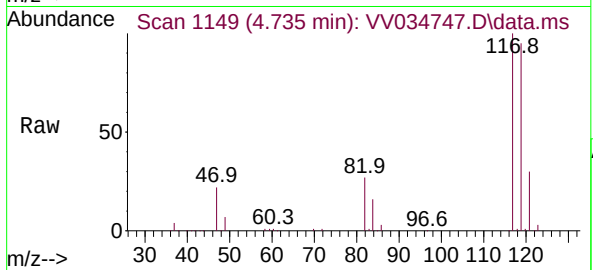
ClientSampleId :

Tgt Ion:117 Resp: 172933

Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3



#33

Benzene

Concen: 51.409 ug/L

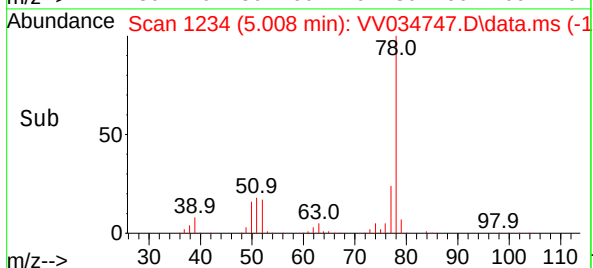
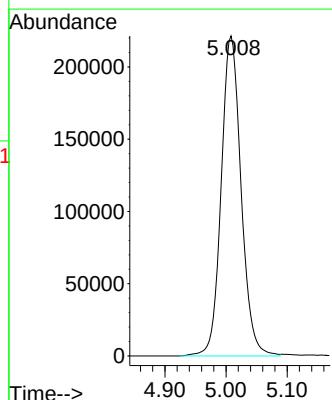
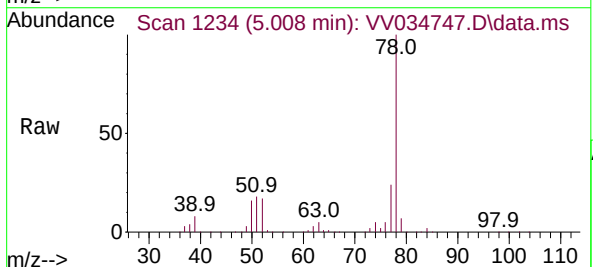
RT: 5.008 min Scan# 1234

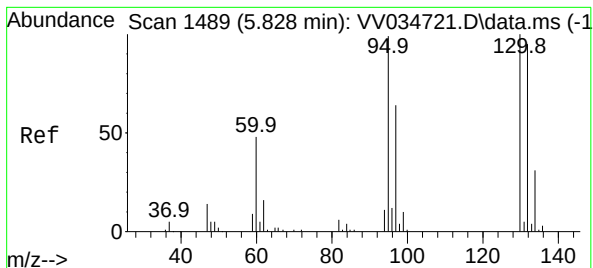
Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Tgt Ion: 78 Resp: 501028





#34

Trichloroethene

Concen: 46.182 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 127939

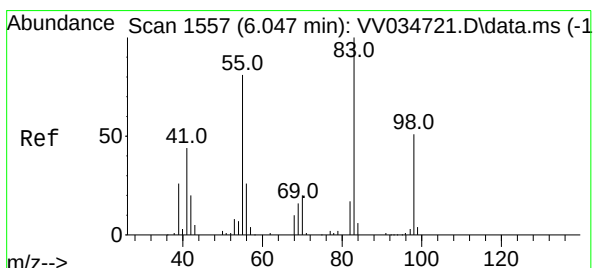
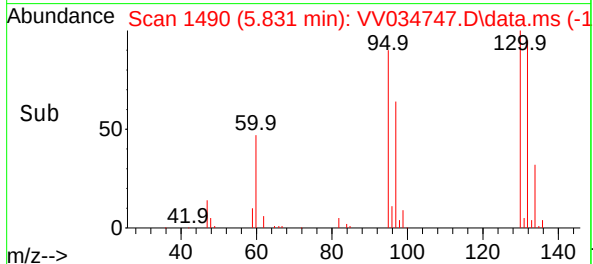
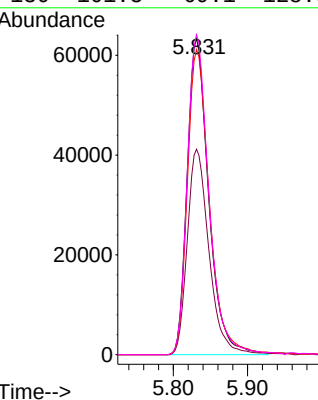
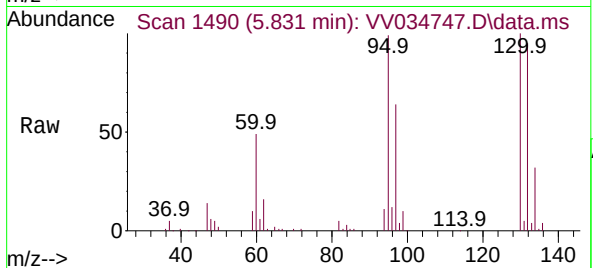
Ion Ratio Lower Upper

95 100

97 65.0 44.7 83.1

132 96.6 65.3 121.3

130 101.3 69.1 128.3



#35

Methylcyclohexane

Concen: 32.105 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

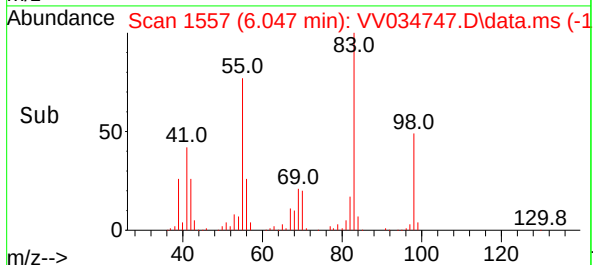
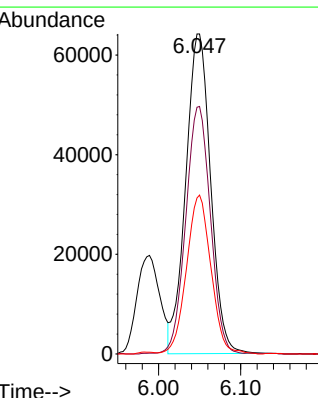
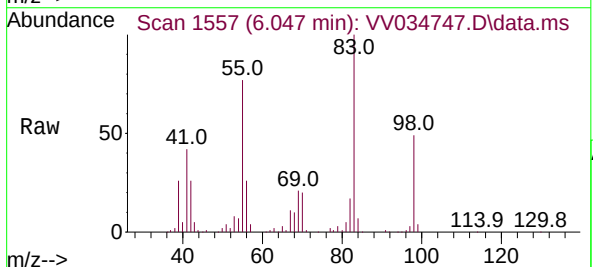
Tgt Ion: 83 Resp: 135215

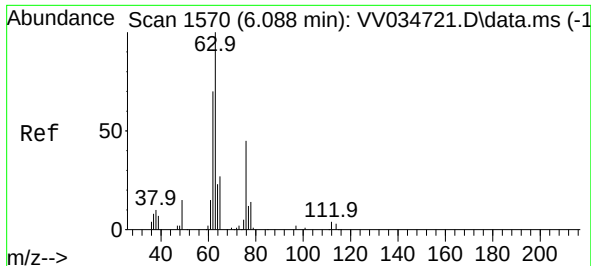
Ion Ratio Lower Upper

83 100

55 76.9 62.6 94.0

98 49.0 39.5 59.3

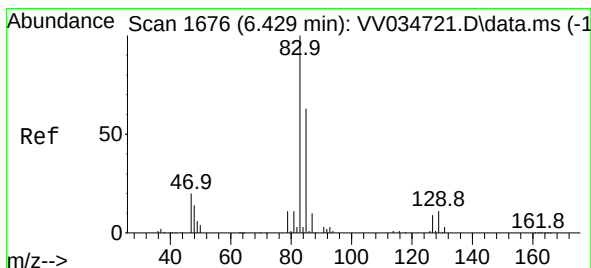
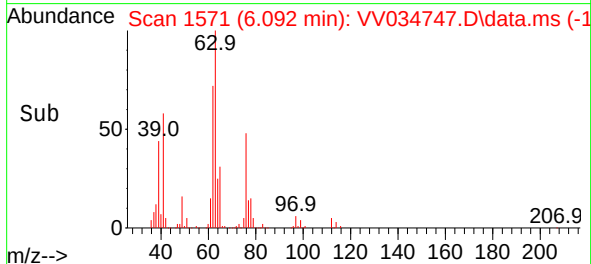
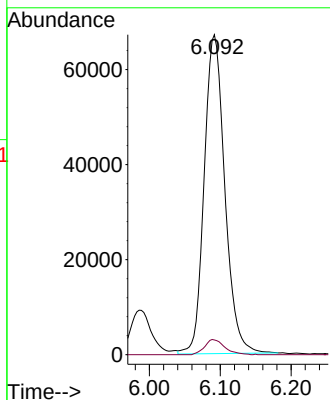
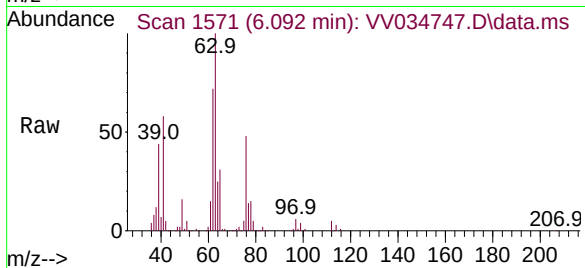




#37
1,2-Dichloropropane
Concen: 53.282 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.003 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

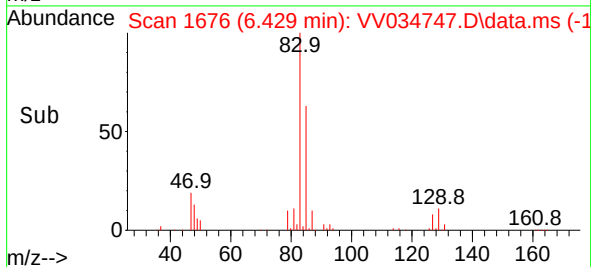
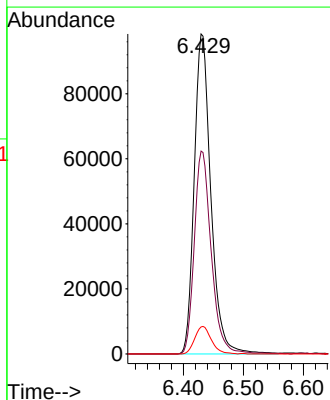
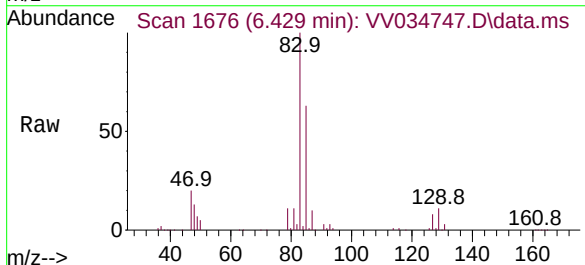
Instrument :
MSVOA_V
ClientSampleId :

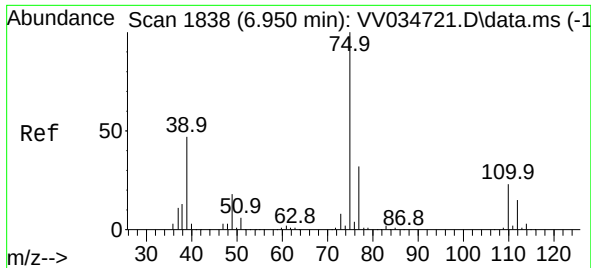
Tgt Ion: 63 Resp: 135954
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 53.038 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion: 83 Resp: 190359
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8
127 8.5 6.9 10.3

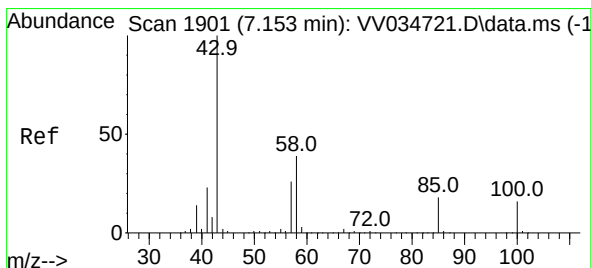
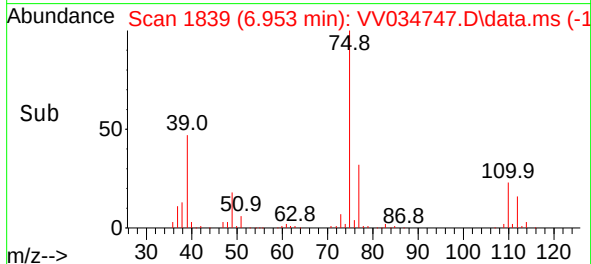
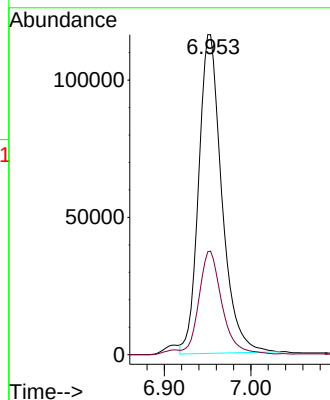
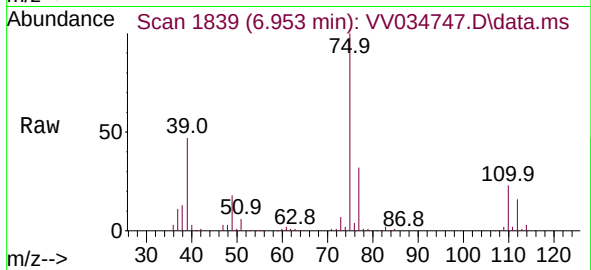




#39
 cis-1,3-Dichloropropene
 Concen: 52.069 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57

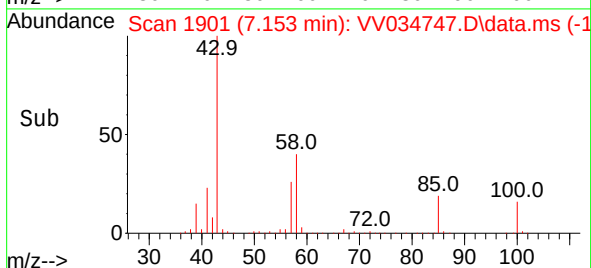
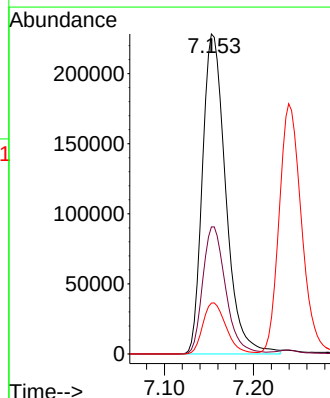
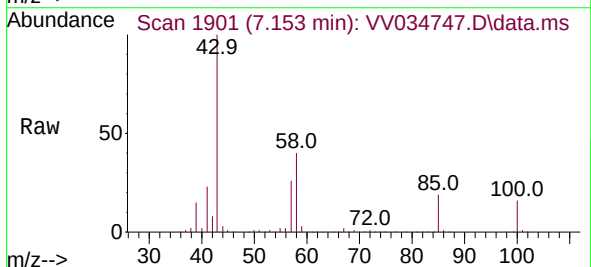
Instrument :
 MSVOA_V
 ClientSampleId :

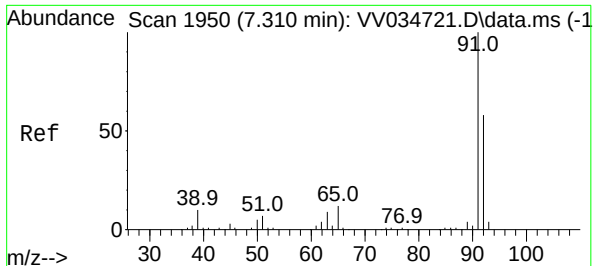
Tgt Ion: 75 Resp: 215254
 Ion Ratio Lower Upper
 75 100
 77 32.3 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 110.217 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VV034747.D
 Acq: 19 Mar 2024 19:57

Tgt Ion: 43 Resp: 414684
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.6 46.0
 100 16.0 12.5 18.7





#42

Toluene

Concen: 49.897 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

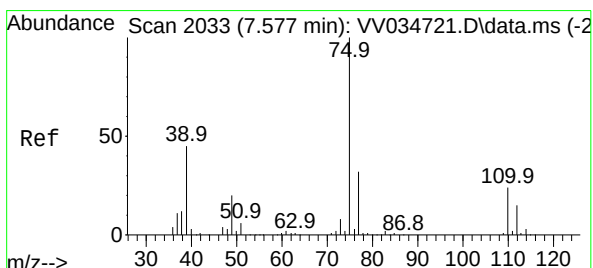
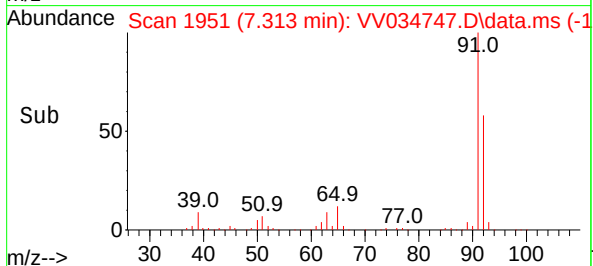
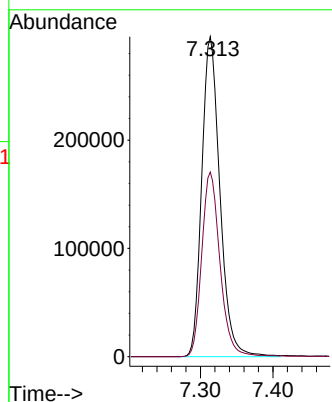
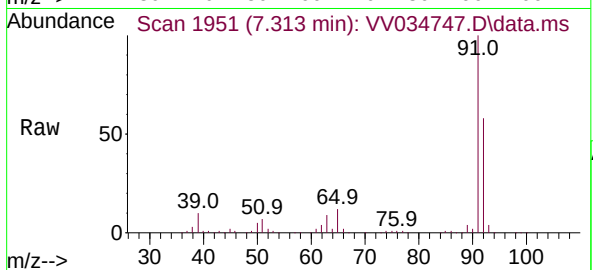
ClientSampleId :

Tgt Ion: 91 Resp: 514666

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 52.979 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034747.D

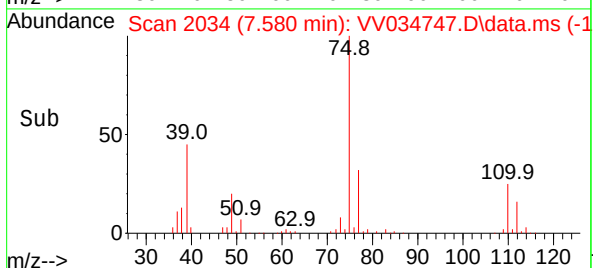
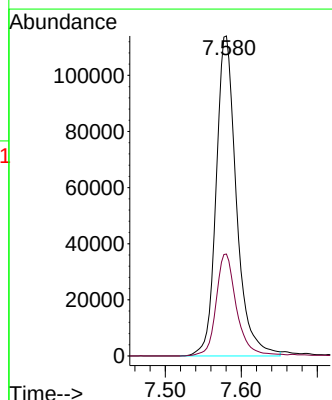
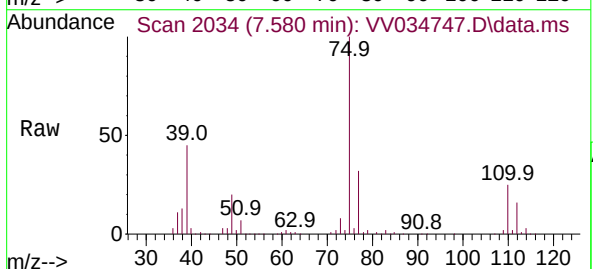
Acq: 19 Mar 2024 19:57

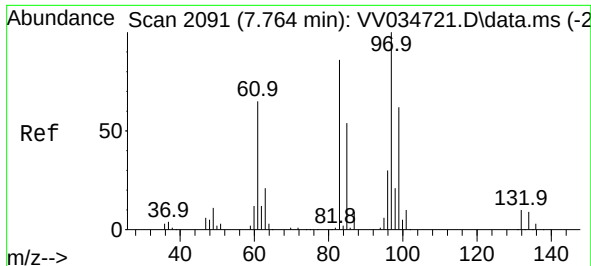
Tgt Ion: 75 Resp: 210642

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 56.189 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 138332

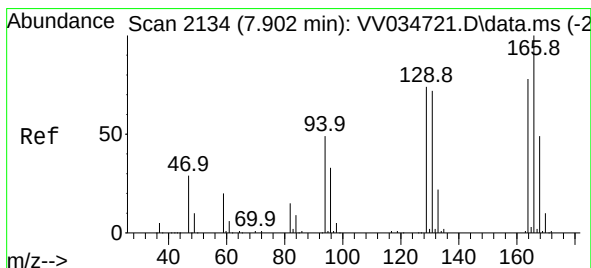
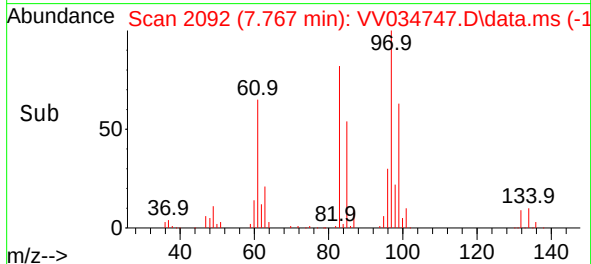
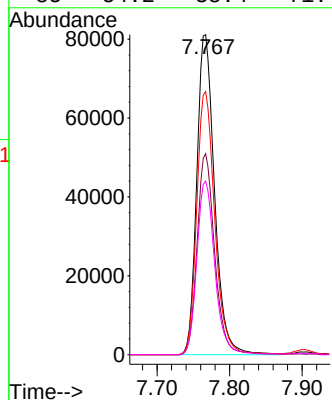
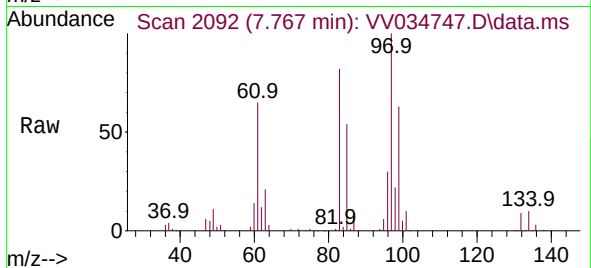
Ion Ratio Lower Upper

97 100

99 62.8 43.8 81.4

83 82.2 59.4 110.2

85 54.2 38.4 71.4



#46

Tetrachloroethene

Concen: 42.839 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Tgt Ion:164 Resp: 88259

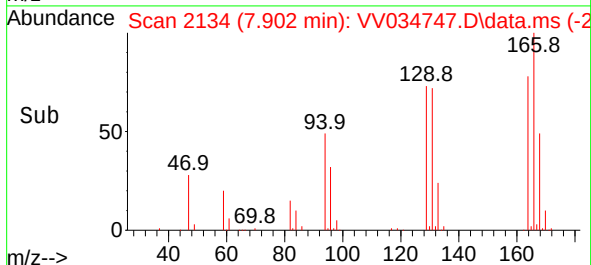
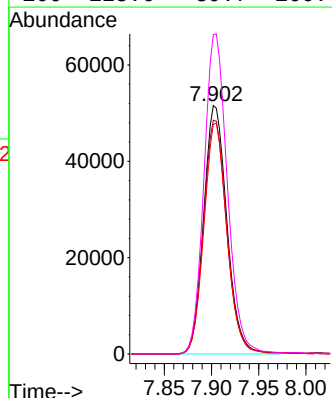
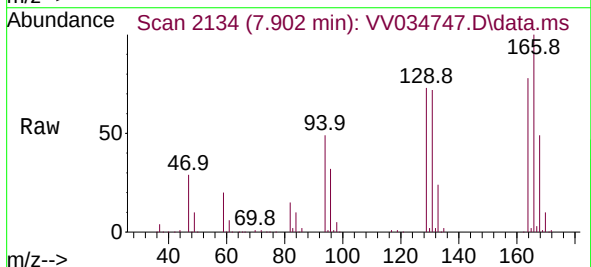
Ion Ratio Lower Upper

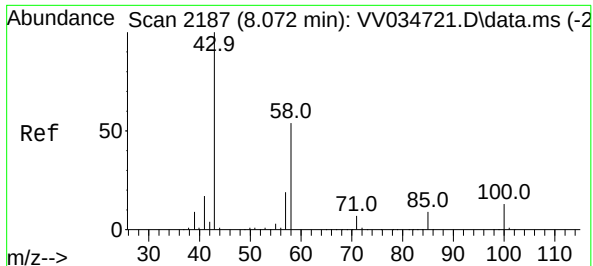
164 100

129 94.1 65.7 121.9

131 92.5 62.2 115.6

166 128.6 89.7 166.7



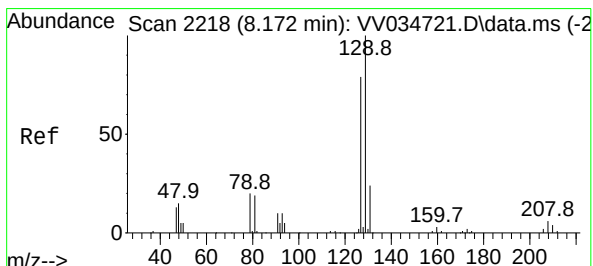
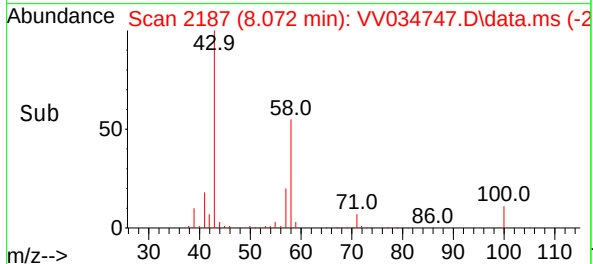
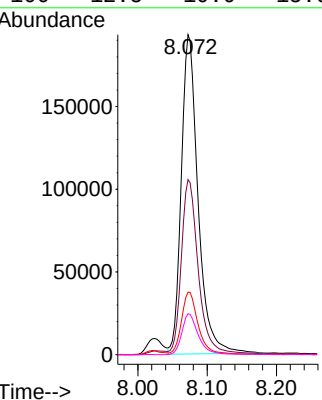
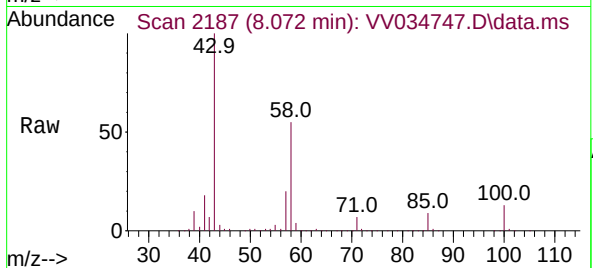


#48
2-Hexanone
Concen: 108.585 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 325546

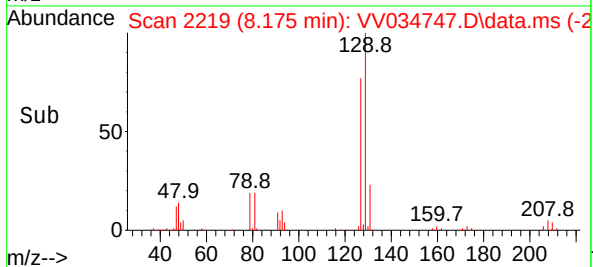
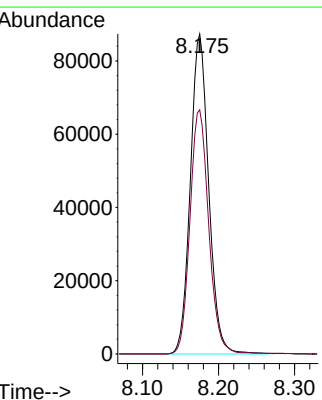
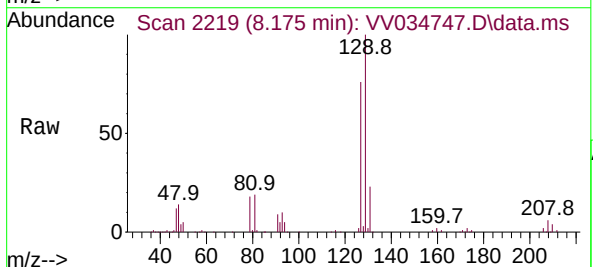
Ion	Ratio	Lower	Upper
43	100		
58	55.0	42.0	63.0
57	19.7	15.2	22.8
100	12.5	10.0	15.0

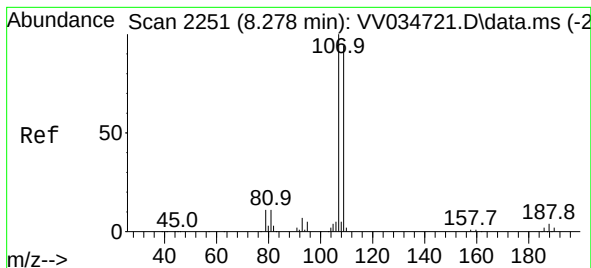


#49
Dibromochloromethane
Concen: 56.216 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion: 129 Resp: 146049

Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.3	98.9





#50

1,2-Dibromoethane

Concen: 54.461 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

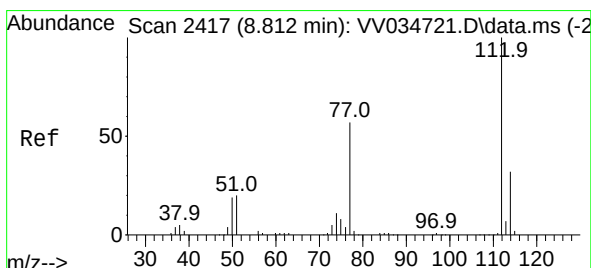
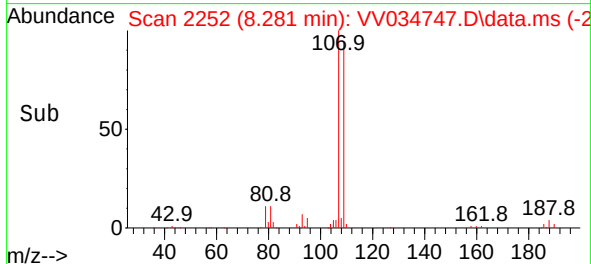
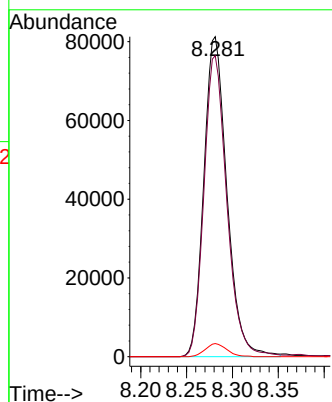
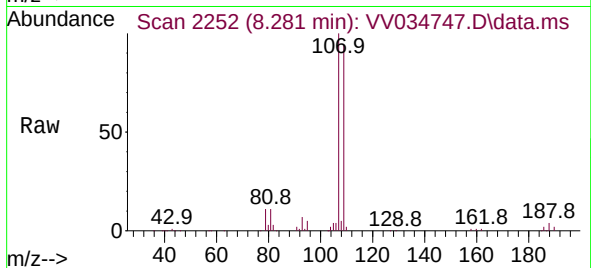
Tgt Ion:107 Resp: 142277

Ion Ratio Lower Upper

107 100

109 94.1 66.5 123.5

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 51.120 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

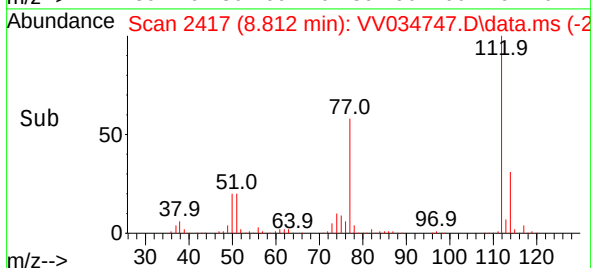
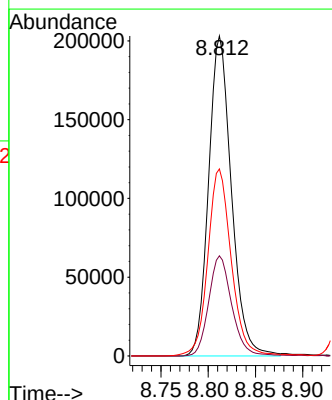
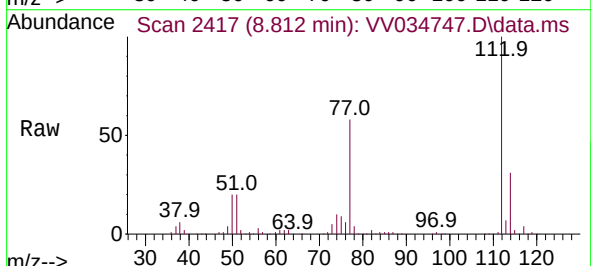
Tgt Ion:112 Resp: 340877

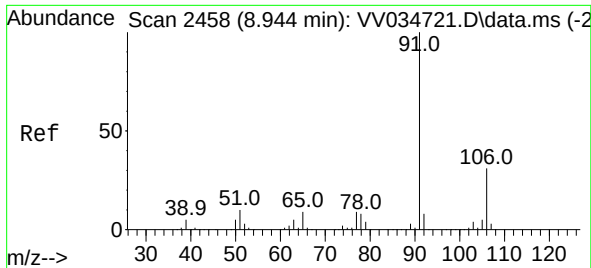
Ion Ratio Lower Upper

112 100

114 31.3 22.3 41.5

77 58.4 47.7 71.5

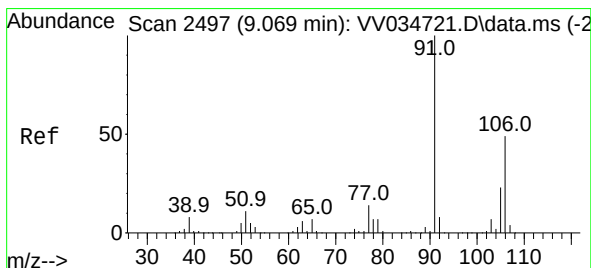
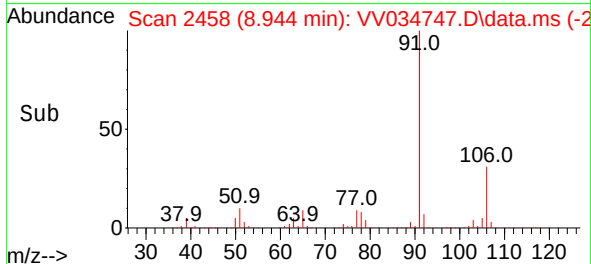
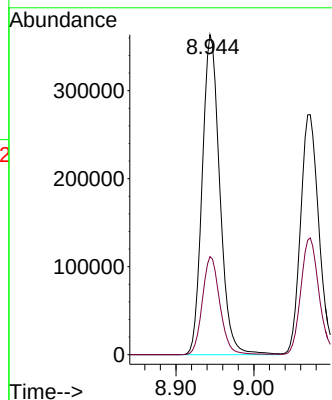
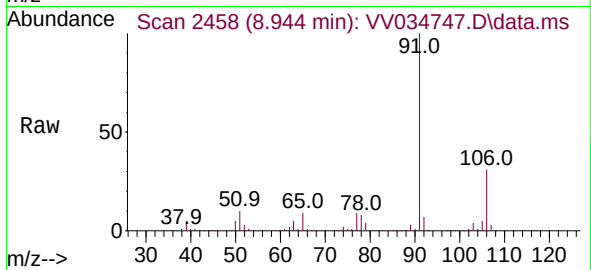




#52
Ethylbenzene
Concen: 49.405 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

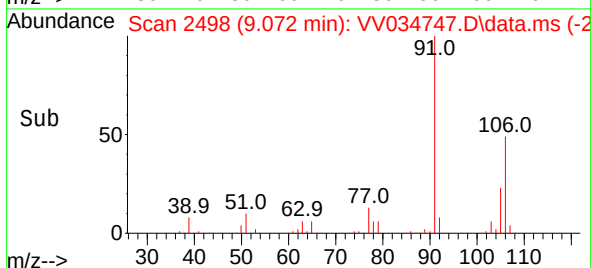
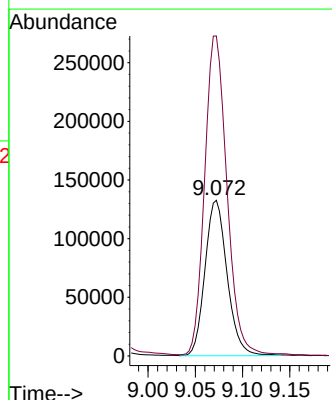
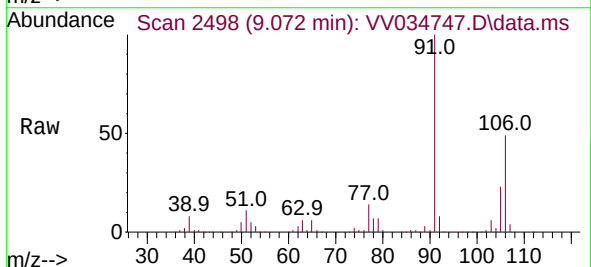
Instrument :
MSVOA_V
ClientSampleId :

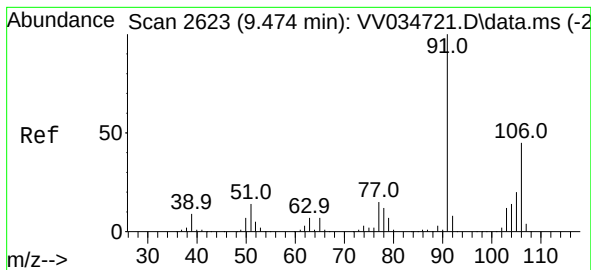
Tgt Ion: 91 Resp: 570993
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 49.255 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV034747.D
Acq: 19 Mar 2024 19:57

Tgt Ion:106 Resp: 216020
Ion Ratio Lower Upper
106 100
91 205.6 145.3 269.9





#54

o-Xylene

Concen: 51.770 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

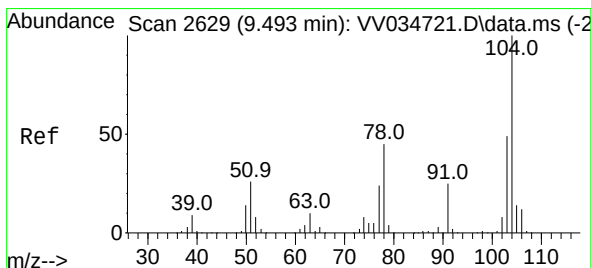
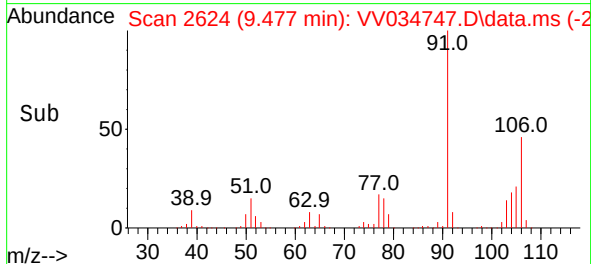
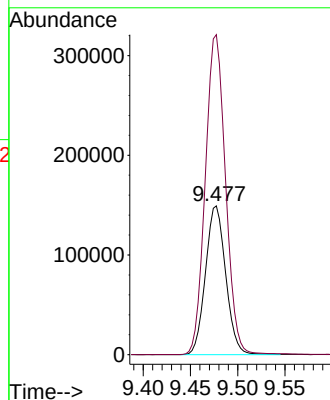
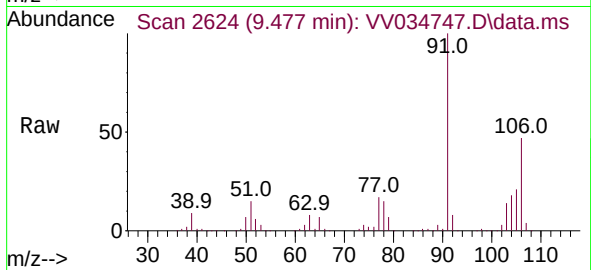
ClientSampleId :

Tgt Ion:106 Resp: 222333

Ion Ratio Lower Upper

106 100

91 215.1 152.2 282.7



#55

Styrene

Concen: 52.812 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV034747.D

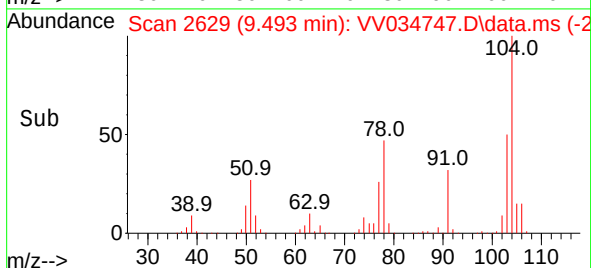
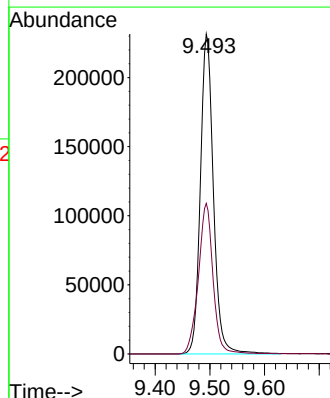
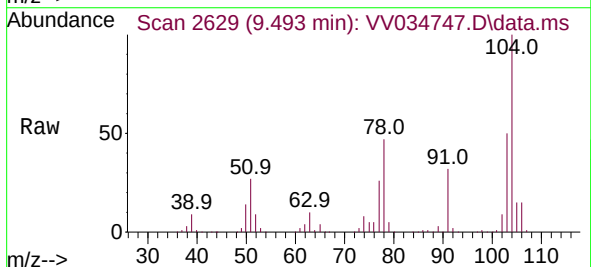
Acq: 19 Mar 2024 19:57

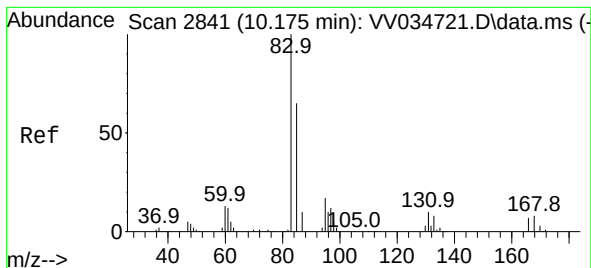
Tgt Ion:104 Resp: 384011

Ion Ratio Lower Upper

104 100

78 47.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 57.050 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

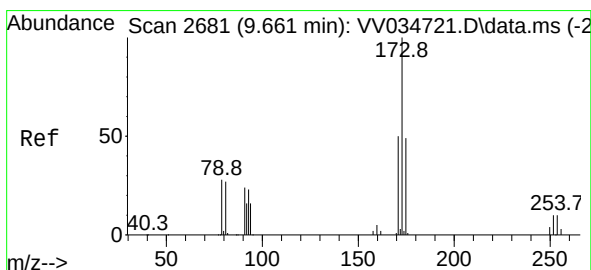
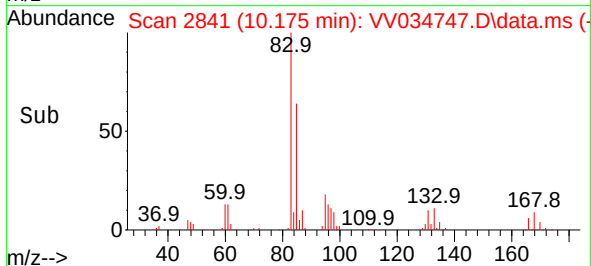
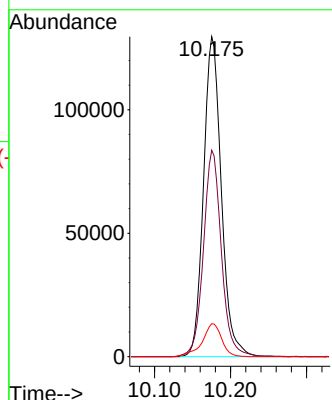
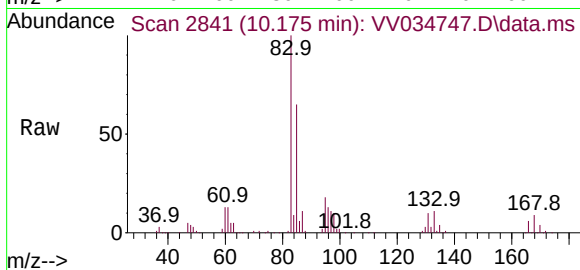
Tgt Ion: 83 Resp: 210955

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.2

131 10.3 8.3 12.5



#59

Bromoform

Concen: 58.954 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

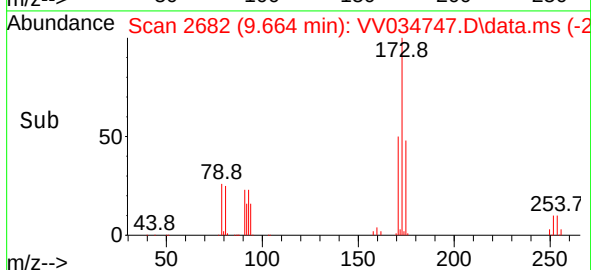
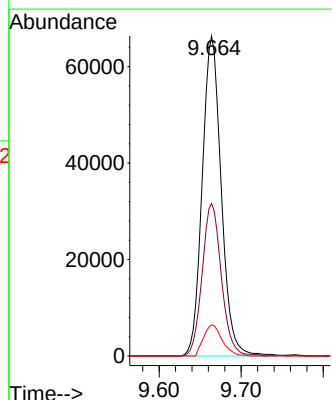
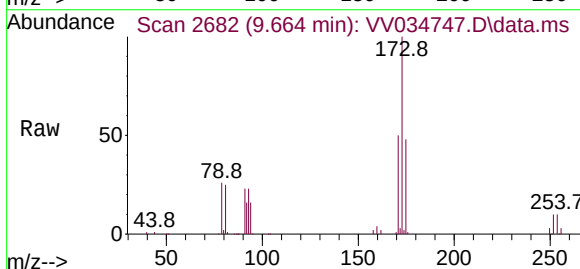
Tgt Ion:173 Resp: 106827

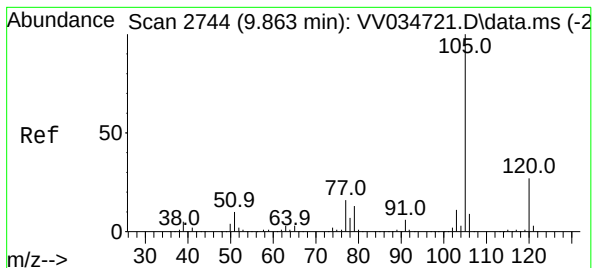
Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

254 9.5 7.8 11.8





#60

Isopropylbenzene

Concen: 49.490 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

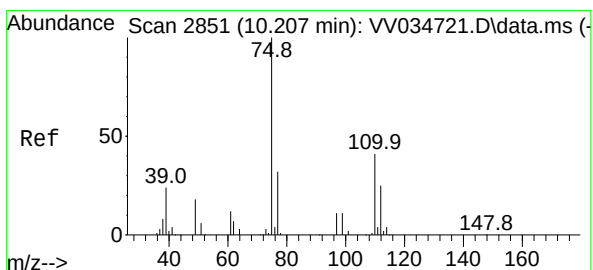
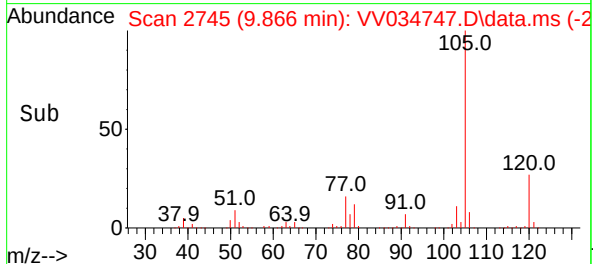
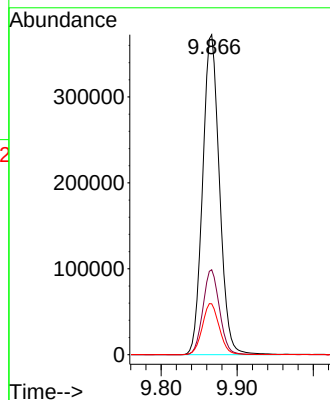
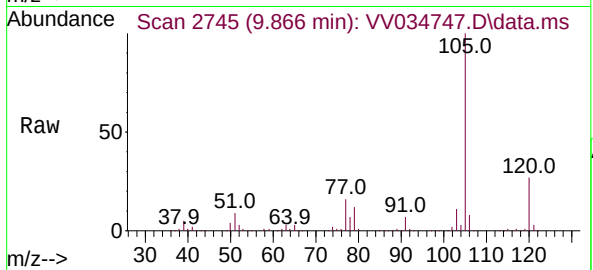
Tgt Ion:105 Resp: 572060

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

77 16.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 55.588 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

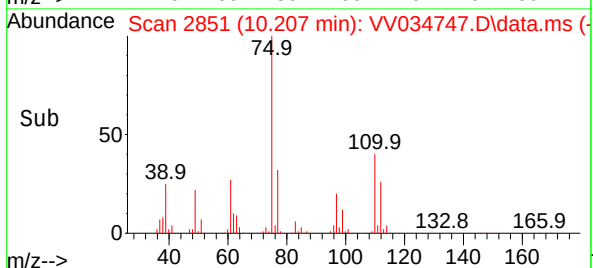
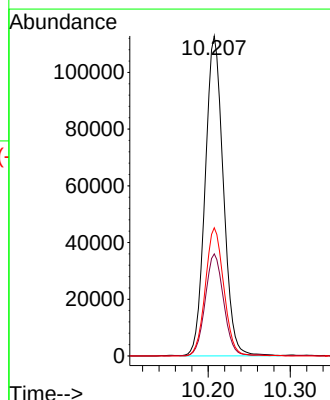
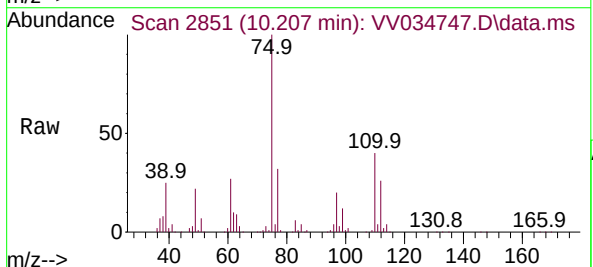
Tgt Ion: 75 Resp: 173425

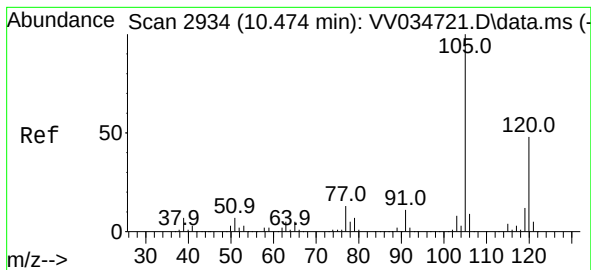
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

110 40.7 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 49.597 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

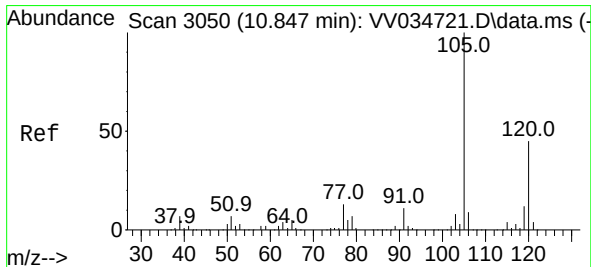
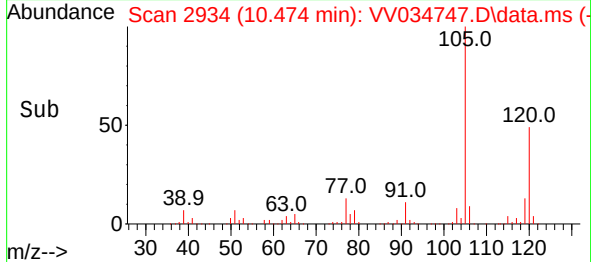
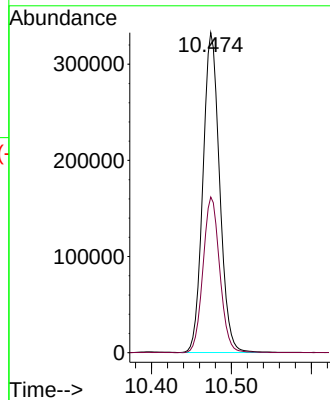
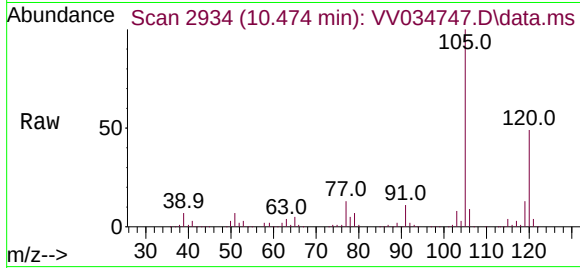
ClientSampleId :

Tgt Ion:105 Resp: 483610

Ion Ratio Lower Upper

105 100

120 48.9 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 51.490 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV034747.D

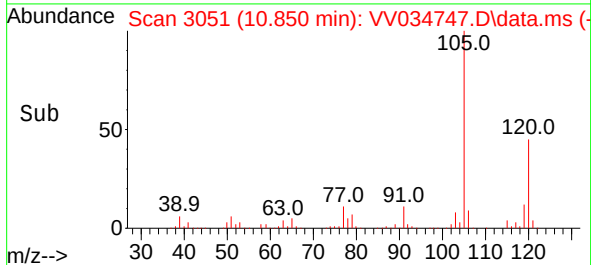
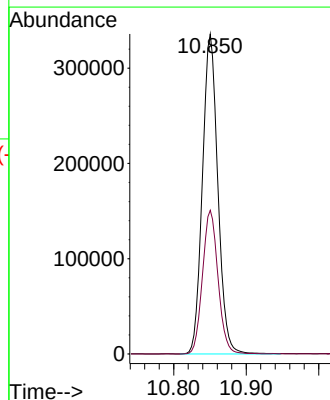
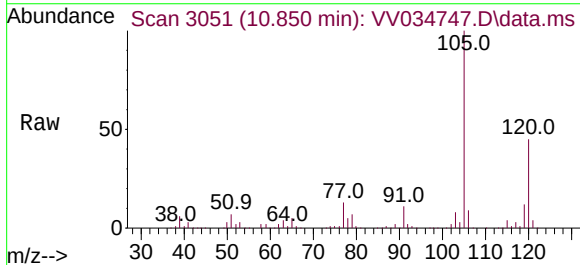
Acq: 19 Mar 2024 19:57

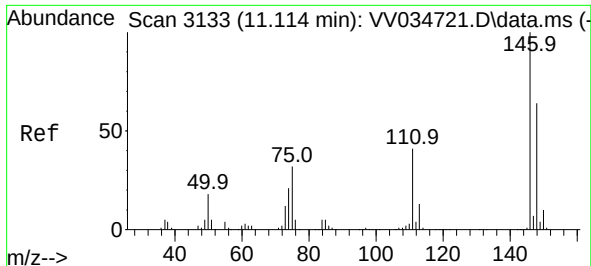
Tgt Ion:105 Resp: 496554

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.938 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

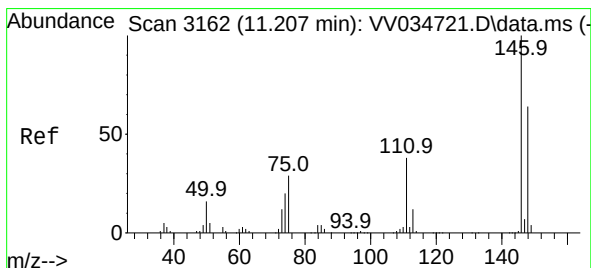
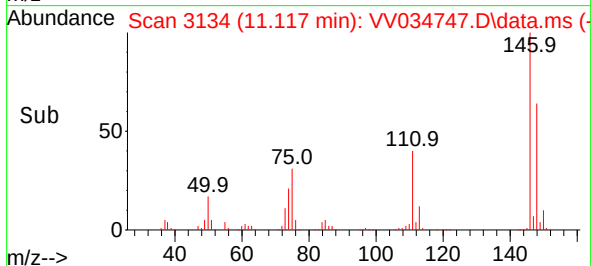
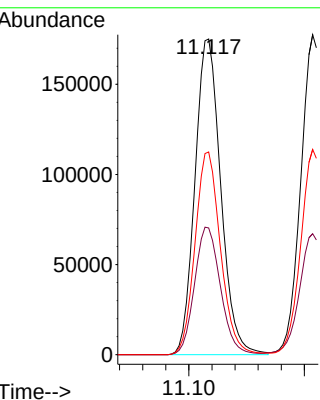
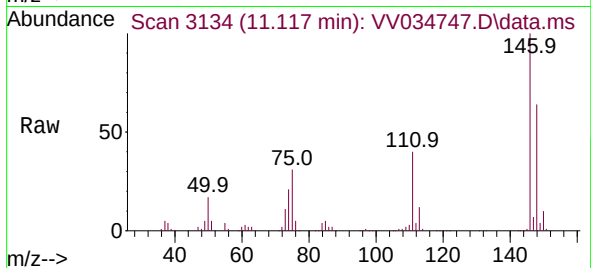
Tgt Ion:146 Resp: 272234

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

148 64.2 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 50.396 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

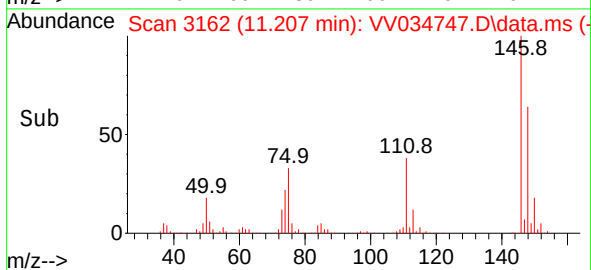
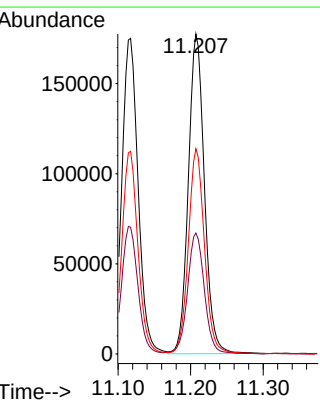
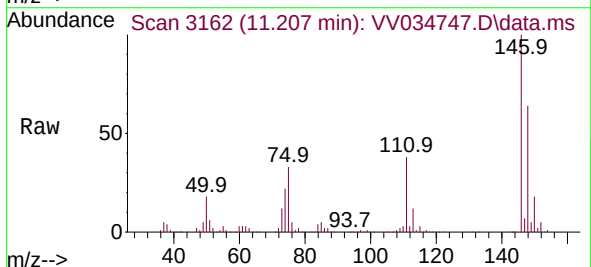
Tgt Ion:146 Resp: 273518

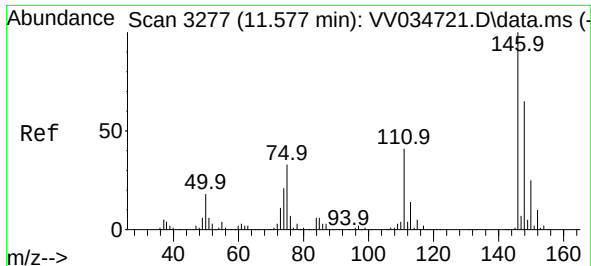
Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 64.2 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 52.770 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

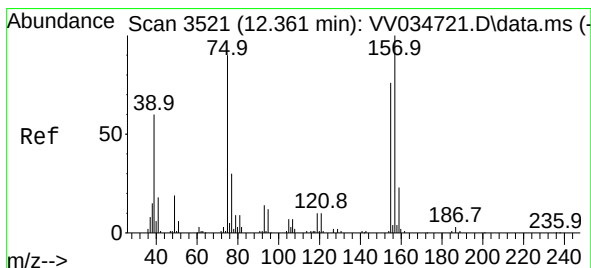
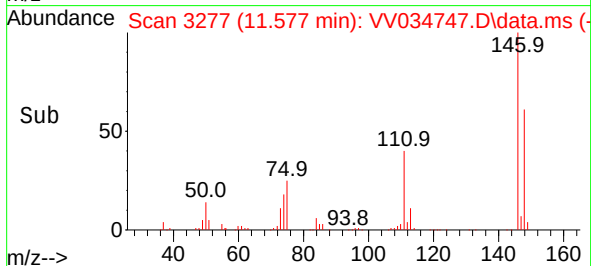
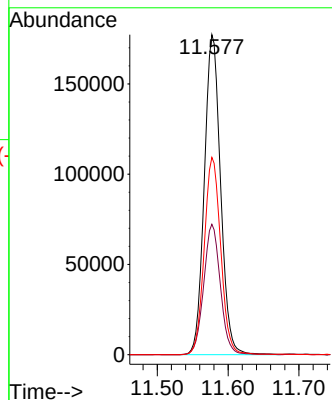
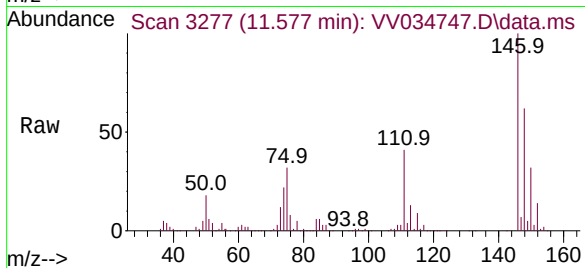
Tgt Ion:146 Resp: 282602

Ion Ratio Lower Upper

146 100

111 40.8 33.8 50.8

148 61.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 54.617 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

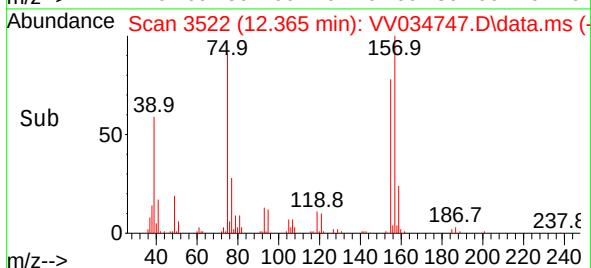
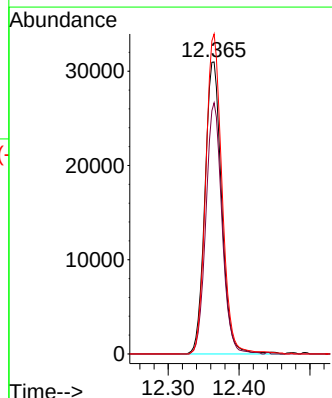
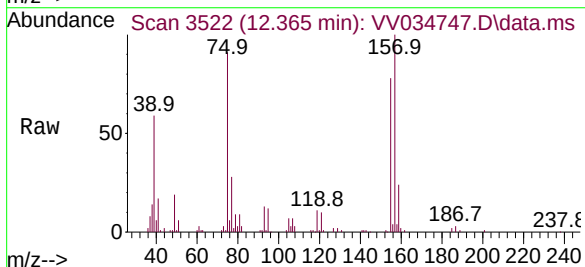
Tgt Ion: 75 Resp: 50758

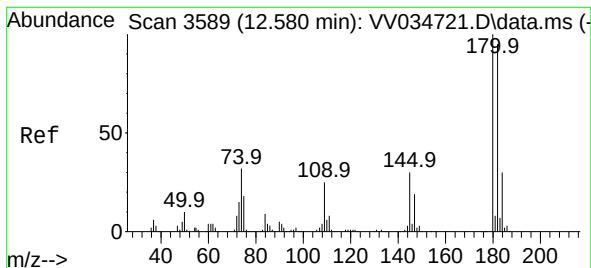
Ion Ratio Lower Upper

75 100

155 86.0 63.3 94.9

157 109.6 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 46.532 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 186562

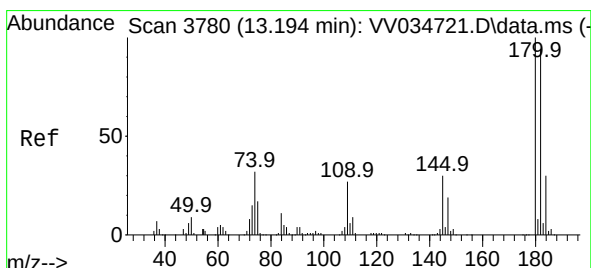
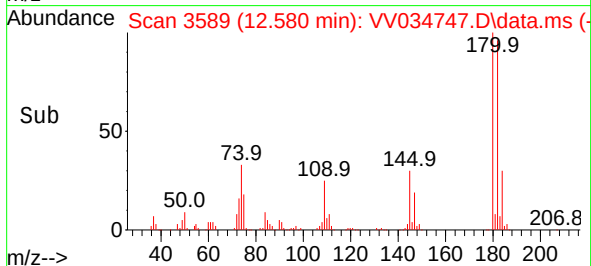
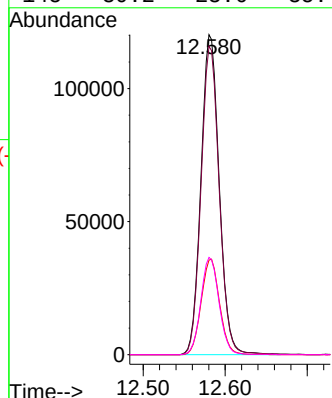
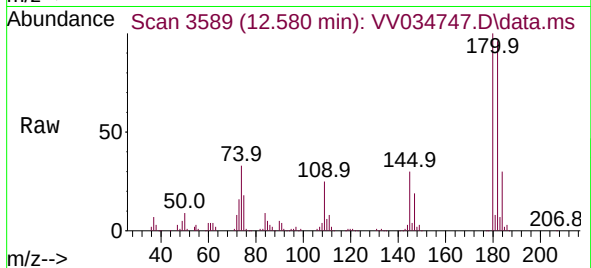
Ion Ratio Lower Upper

180 100

182 95.6 74.6 112.0

184 30.0 23.6 35.4

145 30.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 47.043 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

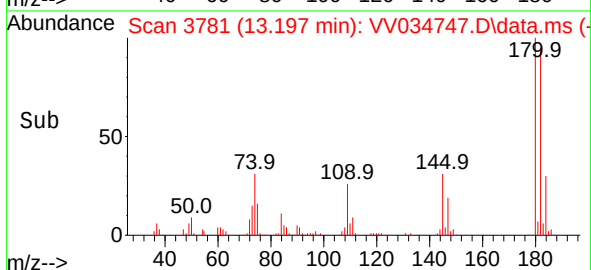
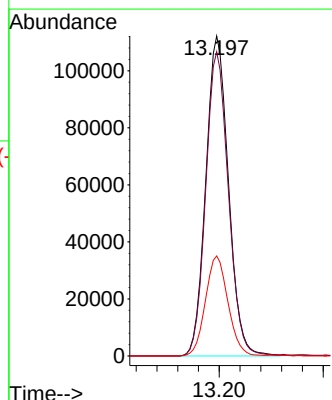
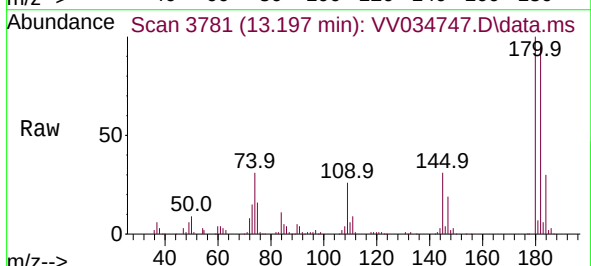
Tgt Ion:180 Resp: 169714

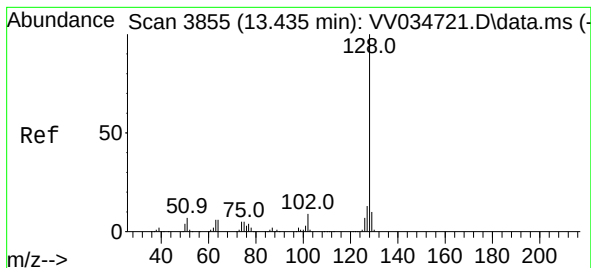
Ion Ratio Lower Upper

180 100

182 94.9 74.8 112.2

145 31.1 24.2 36.4





#71

Naphthalene

Concen: 52.500 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

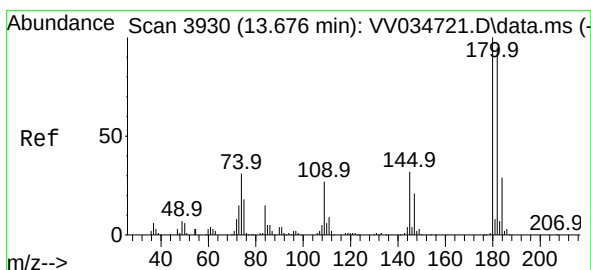
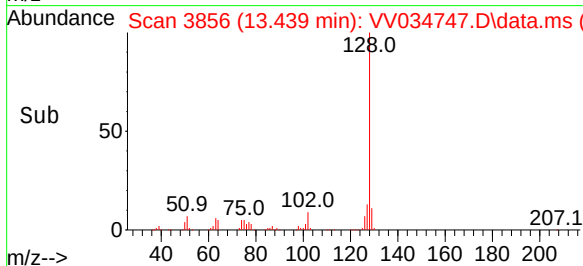
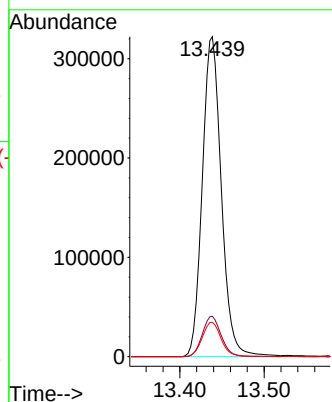
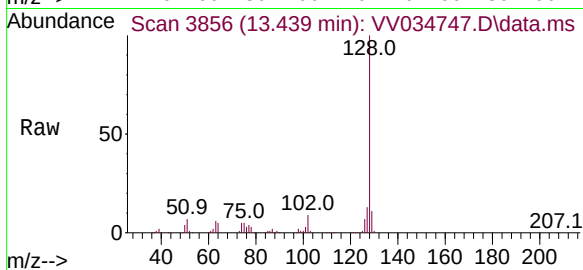
Tgt Ion:128 Resp: 506634

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.320 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV034747.D

Acq: 19 Mar 2024 19:57

Tgt Ion:180 Resp: 173577

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 33.1 25.5 38.3

