

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033443.D
 Acq On : 16 Dec 2023 18:23
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 20:30:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	237101	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	243951	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	133361	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	84297	46.168	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.340%
7) Chloroethane-d5	1.529	69	75528	46.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.180%
11) 1,1-Dichloroethene-d2	2.060	65	40594	44.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.320%
21) 2-Butanone-d5	3.786	46	92554	100.577	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.580%
24) Chloroform-d	4.249	84	171112	47.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.760%
26) 1,2-Dichloroethane-d4	4.941	65	106647	48.066	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
32) Benzene-d6	4.960	84	318357	48.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.900%
36) 1,2-Dichloropropane-d6	5.989	67	95446	47.864	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.720%
41) Toluene-d8	7.243	98	296424	49.305	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.620%
43) trans-1,3-Dichloroprop...	7.551	79	41790	42.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.520%
47) 2-Hexanone-d5	8.024	63	63675	94.936	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.940%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	139436	48.651	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.300%
66) 1,2-Dichlorobenzene-d4	11.561	152	116530	46.499	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	96034	49.299	ug/L	98
3) Chloromethane	1.214	50	90077	50.228	ug/L	98
5) Vinyl chloride	1.282	62	95094	49.463	ug/L	98
6) Bromomethane	1.484	94	60573	44.015	ug/L	98
8) Chloroethane	1.548	64	63824	49.175	ug/L	98
9) Trichlorofluoromethane	1.712	101	161234	47.827	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	90763	46.148	ug/L	99
12) 1,1-Dichloroethene	2.069	96	81088	48.532	ug/L	96
13) Acetone	2.108	43	88619	82.963	ug/L	99
14) Carbon disulfide	2.240	76	199636	46.756	ug/L	100
15) Methyl Acetate	2.372	43	90505	59.327	ug/L	99
16) Methylene chloride	2.445	84	91005	48.768	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	78032	49.410	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	240045	50.052	ug/L	99
19) 1,1-Dichloroethane	3.111	63	152476	50.375	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	86191	48.135	ug/L	99
22) 2-Butanone	3.863	43	98787	93.870	ug/L	100
23) Bromochloromethane	4.146	128	47714	48.615	ug/L	95
25) Chloroform	4.275	83	171052	50.216	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033443.D
 Acq On : 16 Dec 2023 18:23
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 74 Sample Multiplier: 1

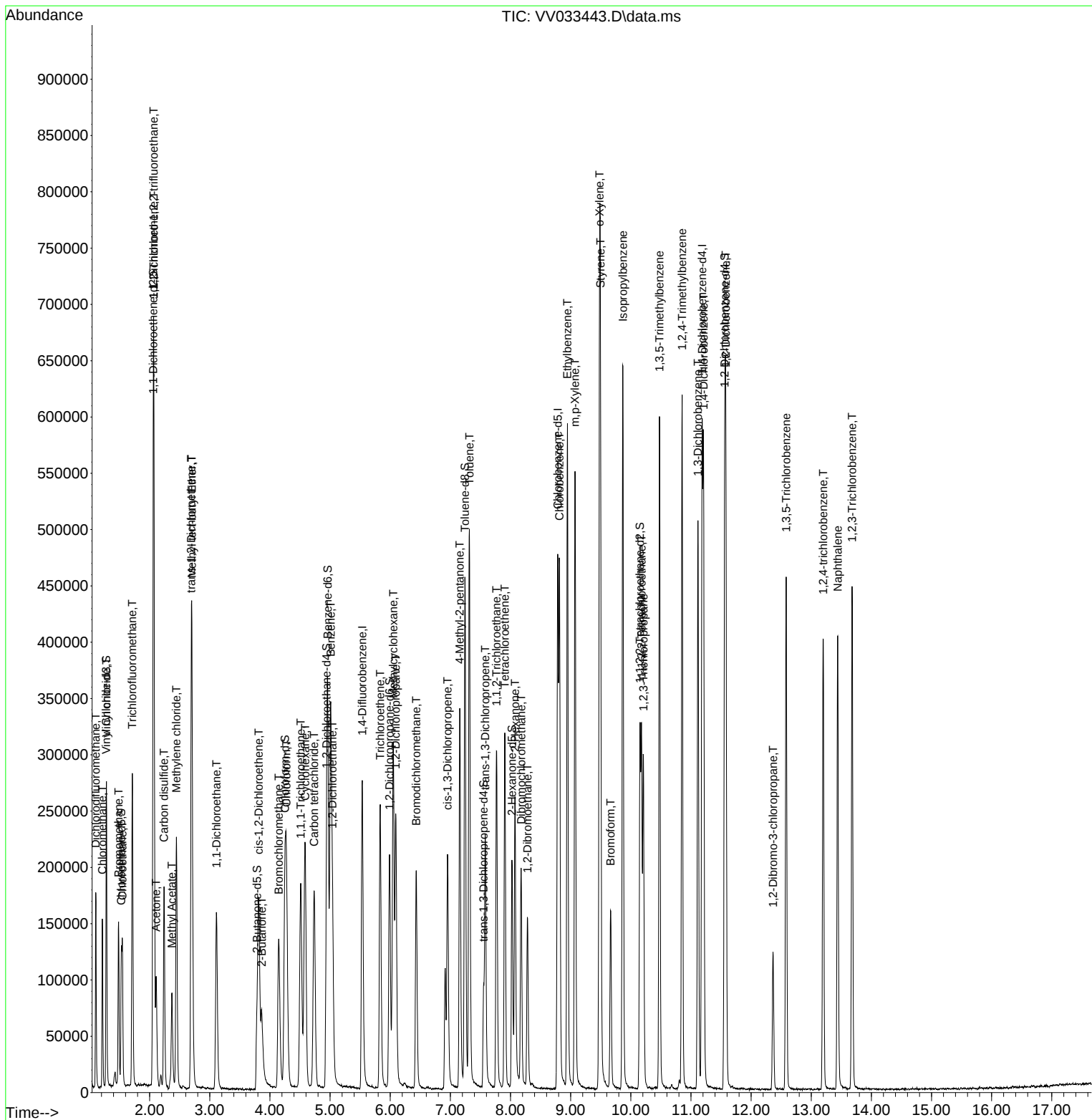
Instrument :
 MSVOA_V
 ClientSampleId :

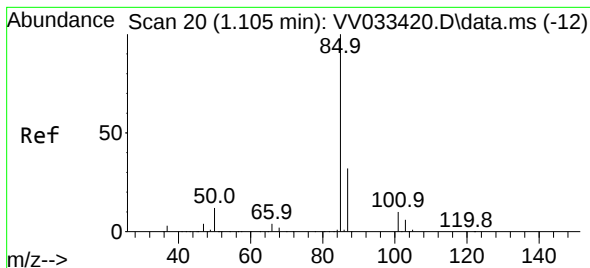
Quant Time: Dec 16 20:30:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	134094	51.070	ug/L	99
29) Cyclohexane	4.587	56	107423	48.857	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	147364	48.926	ug/L	100
31) Carbon tetrachloride	4.735	117	132021	48.978	ug/L	98
33) Benzene	5.011	78	334109	51.384	ug/L	100
34) Trichloroethene	5.834	95	87539	49.073	ug/L	98
35) Methylcyclohexane	6.053	83	118901	46.471	ug/L	96
37) 1,2-Dichloropropane	6.092	63	89593	50.808	ug/L	99
38) Bromodichloromethane	6.432	83	123052	48.484	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	121297	47.283	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	212629	112.993	ug/L	99
42) Toluene	7.317	91	359123	52.109	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	122407	47.551	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	93077	50.642	ug/L	97
46) Tetrachloroethene	7.905	164	65525	47.009	ug/L	98
48) 2-Hexanone	8.075	43	154185	98.237	ug/L	100
49) Dibromochloromethane	8.178	129	95616	49.199	ug/L	99
50) 1,2-Dibromoethane	8.281	107	95938	50.638	ug/L	97
51) Chlorobenzene	8.815	112	238168	47.953	ug/L	99
52) Ethylbenzene	8.947	91	387194	50.448	ug/L	100
53) m,p-Xylene	9.072	106	151735	52.620	ug/L	97
54) o-Xylene	9.481	106	141505	50.537	ug/L	100
55) Styrene	9.497	104	267849	54.203	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	141874	50.261	ug/L	100
59) Bromoform	9.664	173	65285	47.450	ug/L	99
60) Isopropylbenzene	9.870	105	387734	51.199	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	110189	51.550	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	294370	51.287	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	309564	51.931	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	189201	48.069	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	199936	47.197	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	194427	47.459	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	29890	51.622	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	126490	46.469	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	110297	46.354	ug/L	98
71) Naphthalene	13.442	128	305632	47.740	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	120324	51.699	ug/L	98

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

Quant Time: Dec 16 20:30:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 16 20:24:09 2023
Response via : Initial Calibration

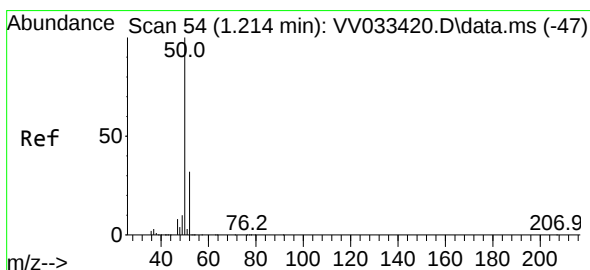
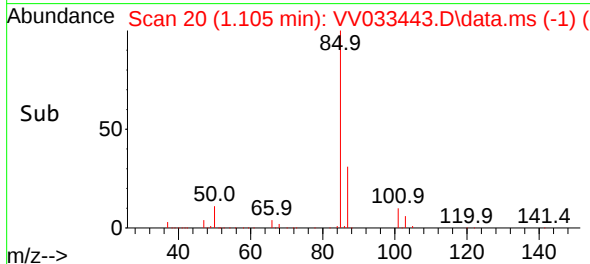
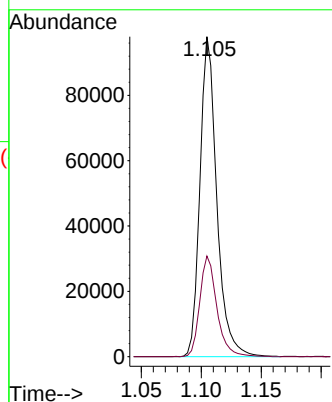
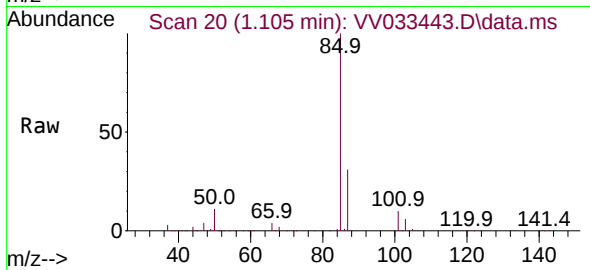




#2
Dichlorodifluoromethane
Concen: 49.299 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

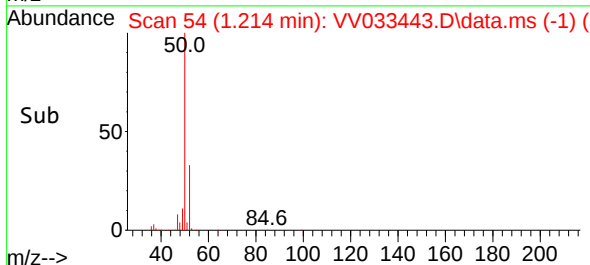
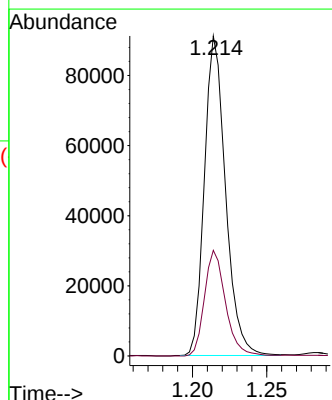
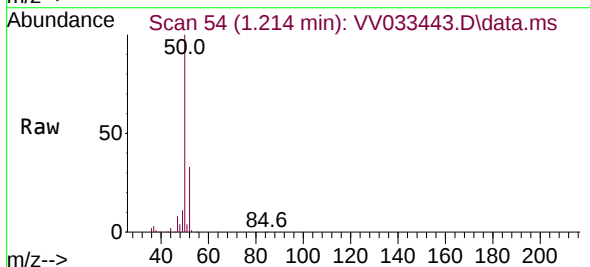
Instrument :
MSVOA_V
ClientSampleId :

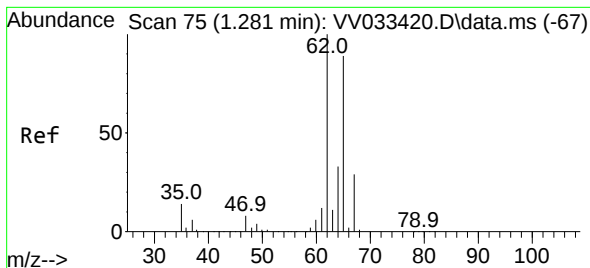
Tgt Ion: 85 Resp: 96034
Ion Ratio Lower Upper
85 100
87 31.9 26.6 39.8



#3
Chloromethane
Concen: 50.228 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 50 Resp: 90077
Ion Ratio Lower Upper
50 100
52 33.0 22.3 41.5





#5

Vinyl chloride

Concen: 49.463 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

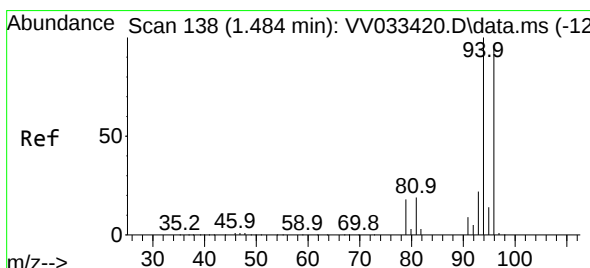
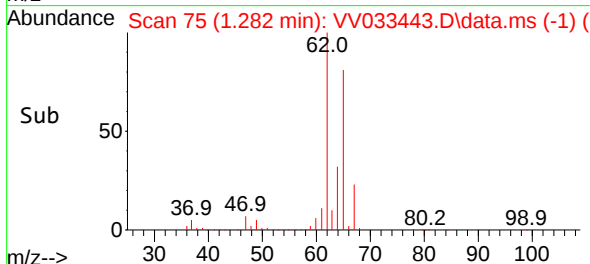
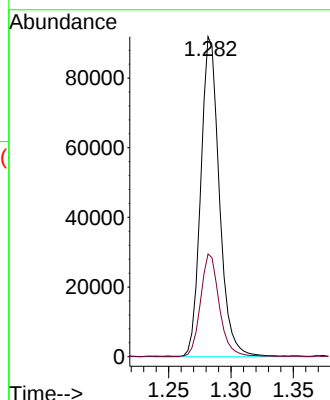
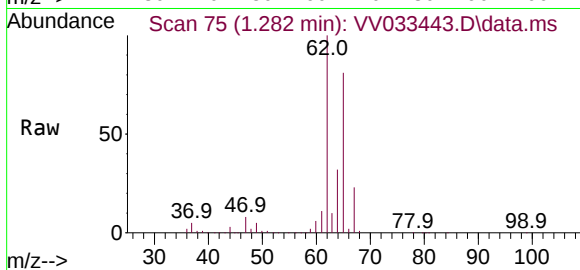
ClientSampleId :

Tgt Ion: 62 Resp: 95094

Ion Ratio Lower Upper

62 100

64 32.1 23.4 43.6



#6

Bromomethane

Concen: 44.015 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV033443.D

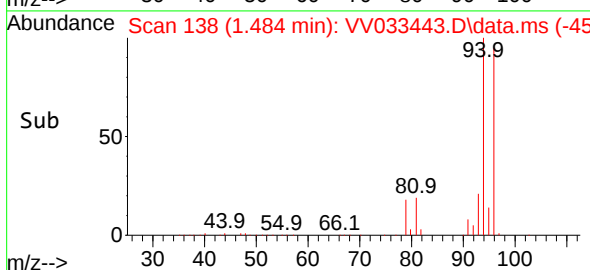
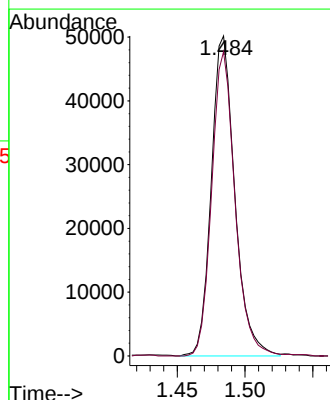
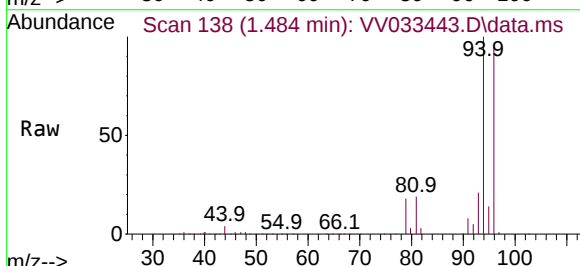
Acq: 16 Dec 2023 18:23

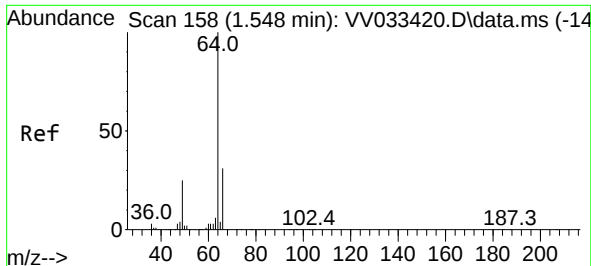
Tgt Ion: 94 Resp: 60573

Ion Ratio Lower Upper

94 100

96 95.1 65.1 120.9

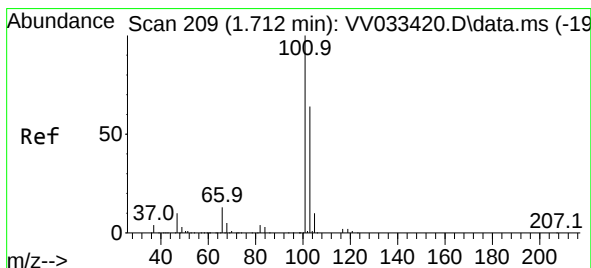
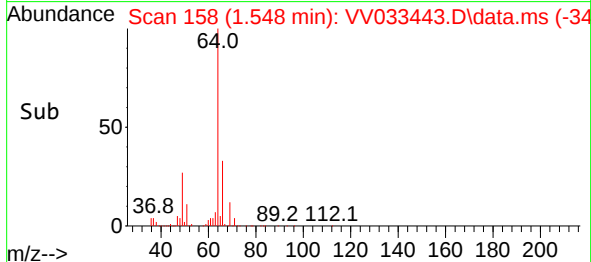
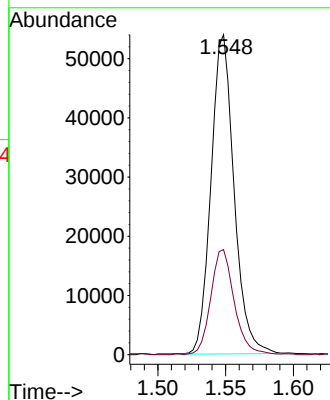
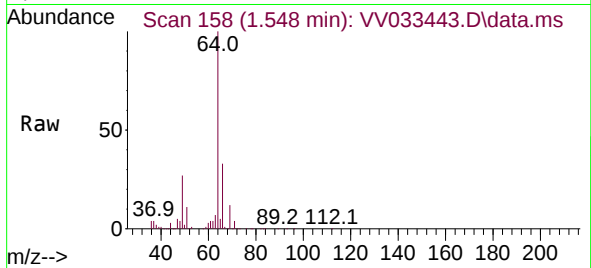




#8
Chloroethane
Concen: 49.175 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

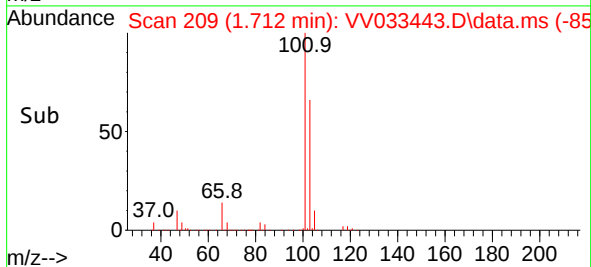
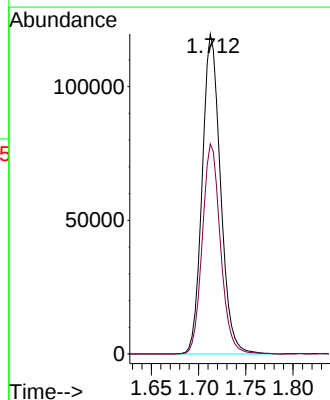
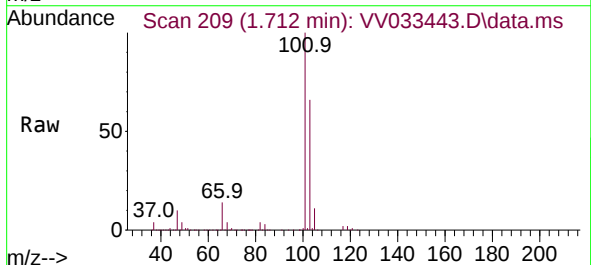
Instrument :
MSVOA_V
ClientSampleId :

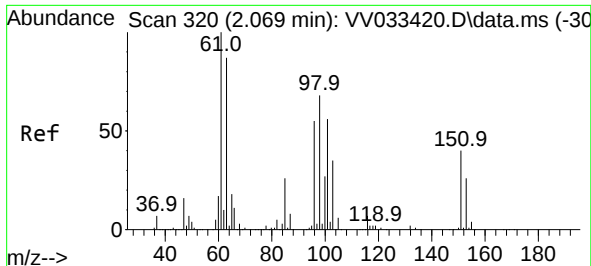
Tgt Ion: 64 Resp: 63824
Ion Ratio Lower Upper
64 100
66 32.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.827 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion:101 Resp: 161234
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

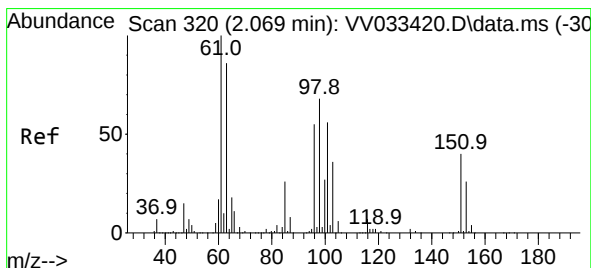
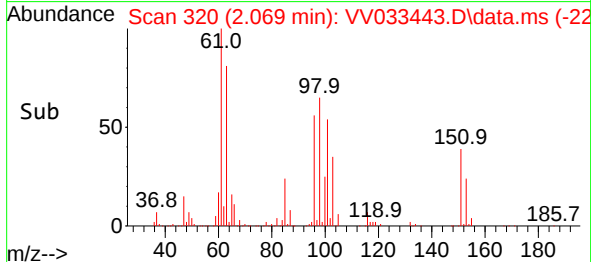
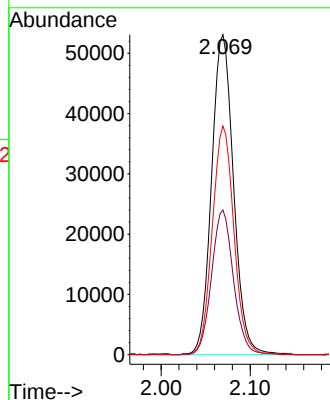
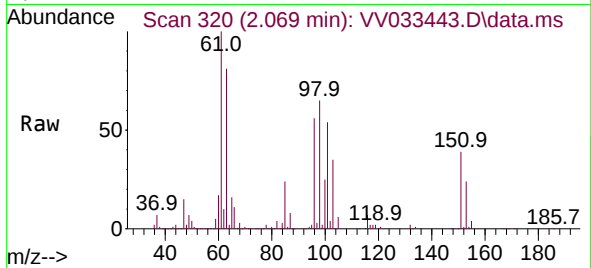




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.148 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033443.D
 Acq: 16 Dec 2023 18:23

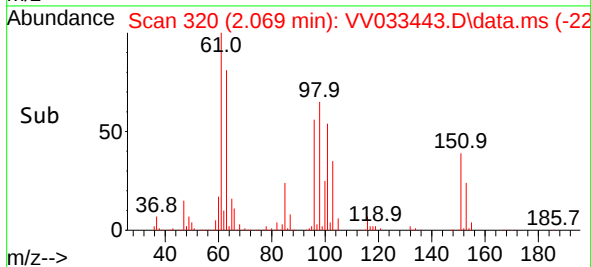
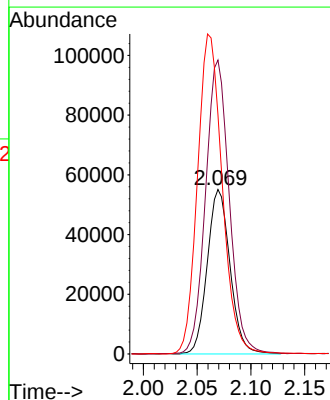
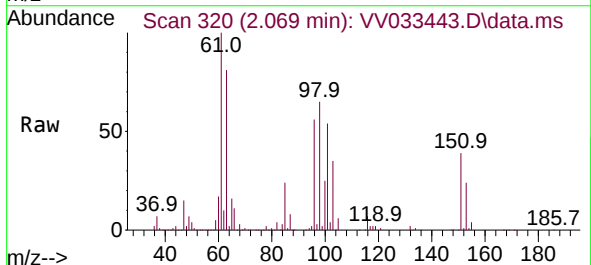
Instrument :
 MSVOA_V
 ClientSampleId :

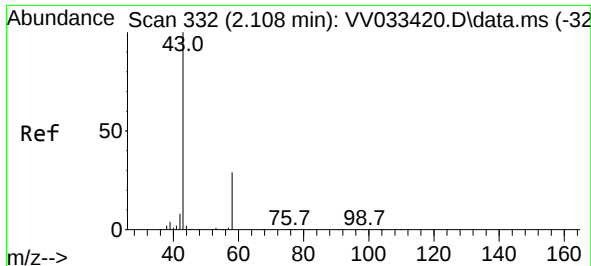
Tgt Ion:101 Resp: 90763
 Ion Ratio Lower Upper
 101 100
 85 45.1 36.6 54.8
 151 70.5 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 48.532 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033443.D
 Acq: 16 Dec 2023 18:23

Tgt Ion: 96 Resp: 81088
 Ion Ratio Lower Upper
 96 100
 61 178.8 124.3 230.8
 63 145.4 108.1 200.7





#13

Acetone

Concen: 82.963 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

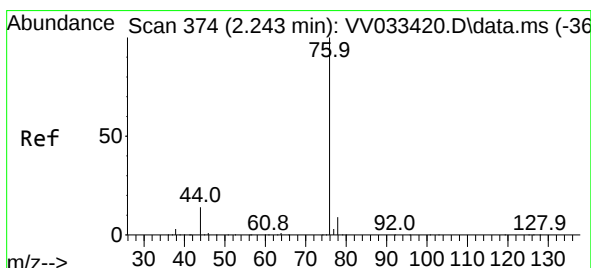
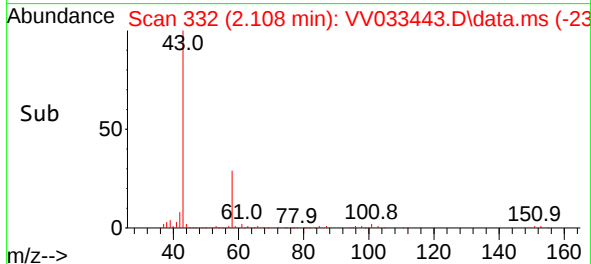
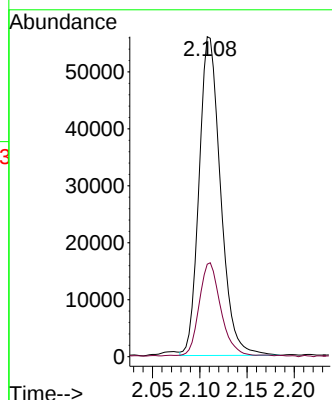
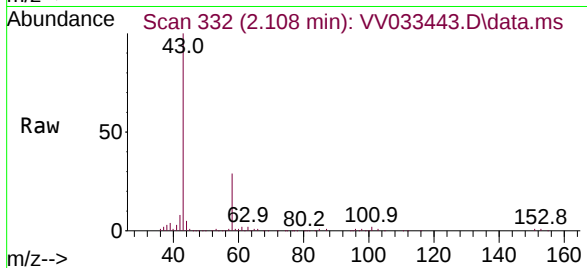
ClientSampleId :

Tgt Ion: 43 Resp: 88619

Ion Ratio Lower Upper

43 100

58 29.0 0.0 59.2



#14

Carbon disulfide

Concen: 46.756 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033443.D

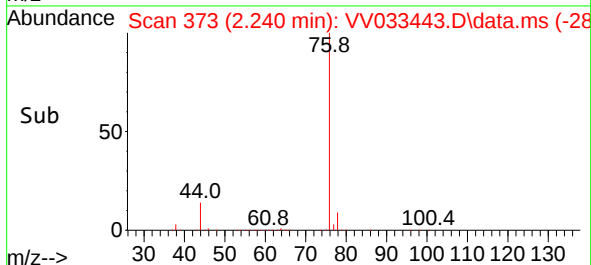
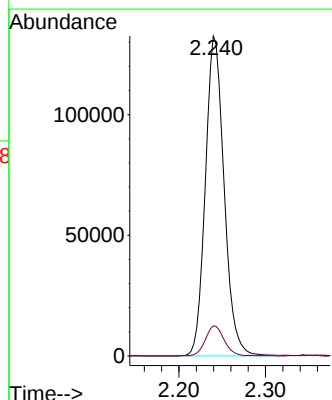
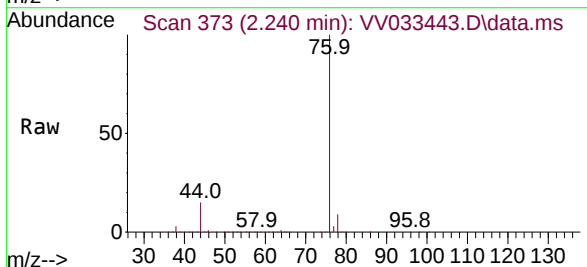
Acq: 16 Dec 2023 18:23

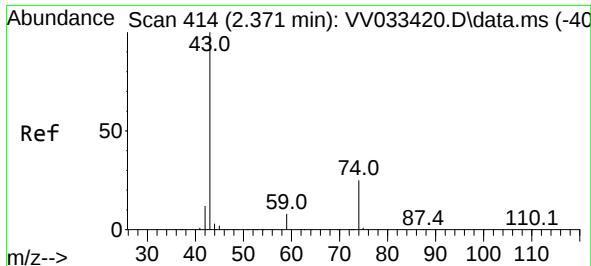
Tgt Ion: 76 Resp: 199636

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methyl Acetate

Concen: 59.327 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

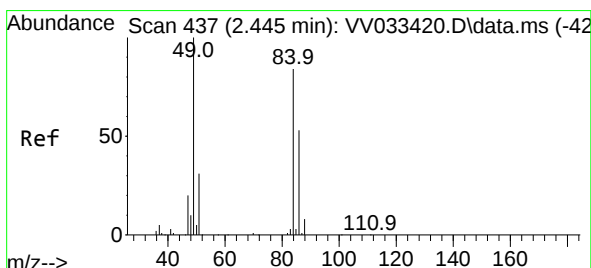
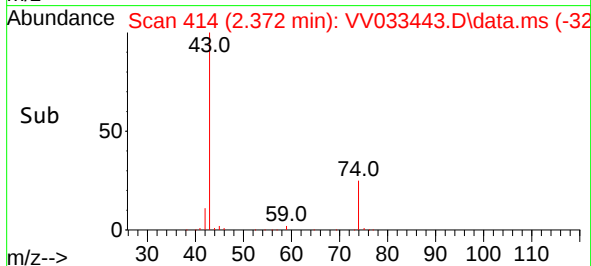
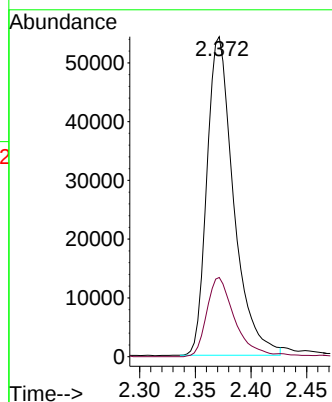
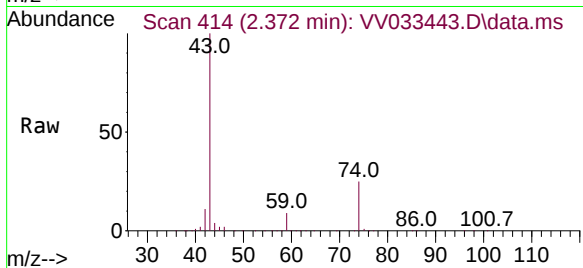
ClientSampleId :

Tgt Ion: 43 Resp: 90505

Ion Ratio Lower Upper

43 100

74 25.7 20.8 31.2



#16

Methylene chloride

Concen: 48.768 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

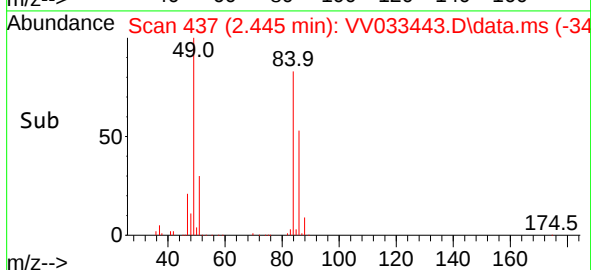
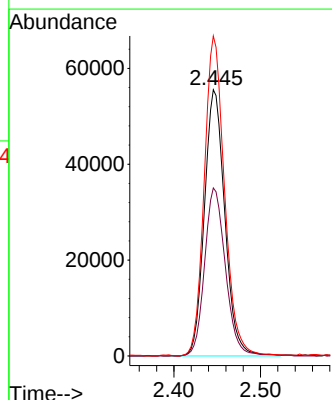
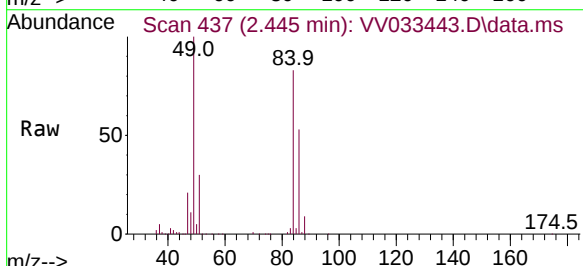
Tgt Ion: 84 Resp: 91005

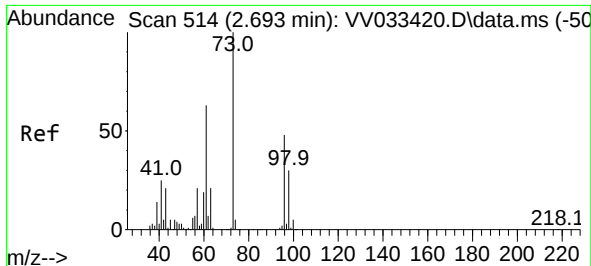
Ion Ratio Lower Upper

84 100

86 63.1 45.4 84.2

49 120.2 83.3 154.7

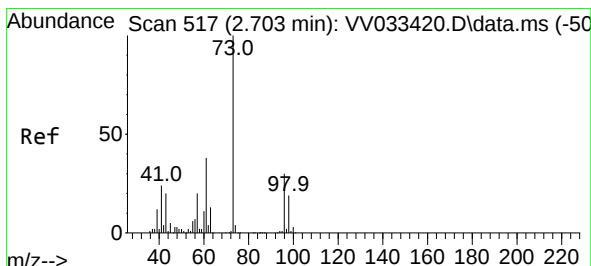
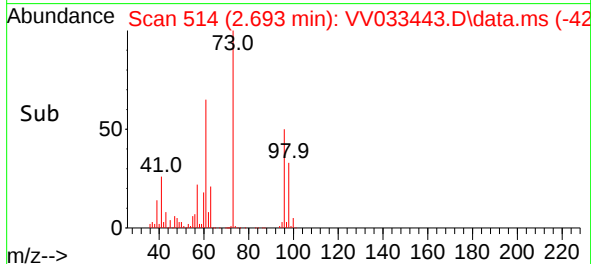
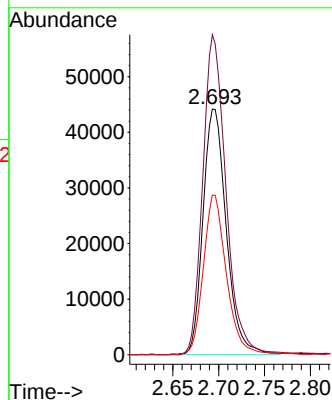
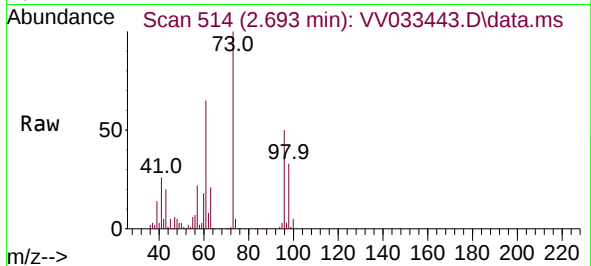




#17
trans-1,2-Dichloroethene
Concen: 49.410 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

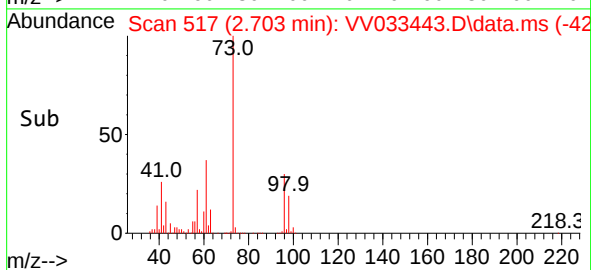
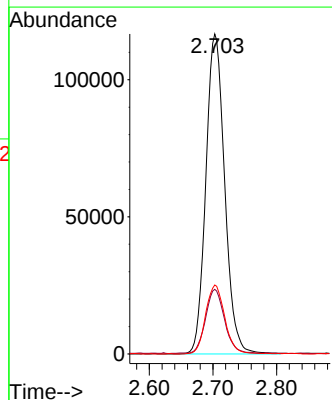
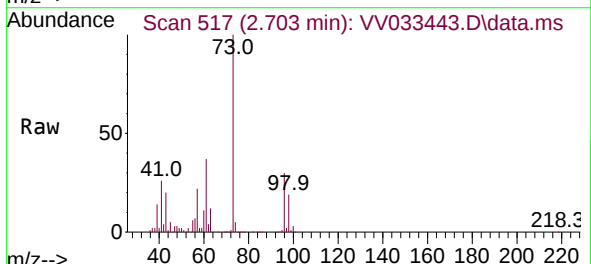
Instrument :
MSVOA_V
ClientSampleId :

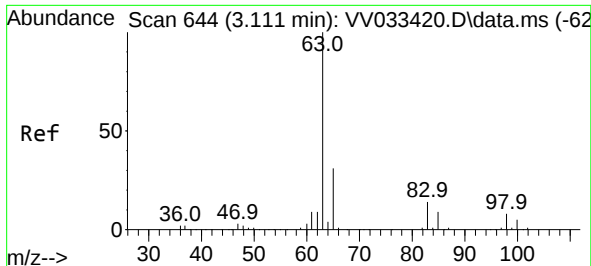
Tgt Ion: 96 Resp: 78032
Ion Ratio Lower Upper
96 100
61 130.3 89.6 166.4
98 65.0 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 50.052 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 73 Resp: 240045
Ion Ratio Lower Upper
73 100
43 19.8 16.3 24.5
57 21.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 50.375 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :

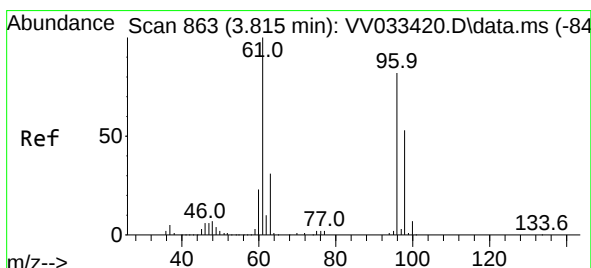
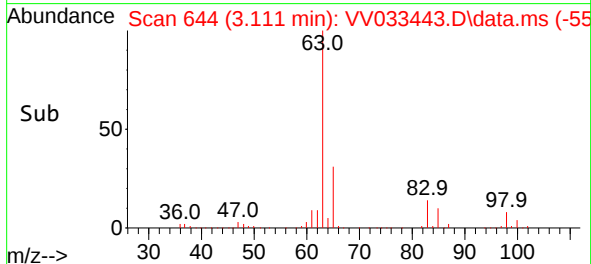
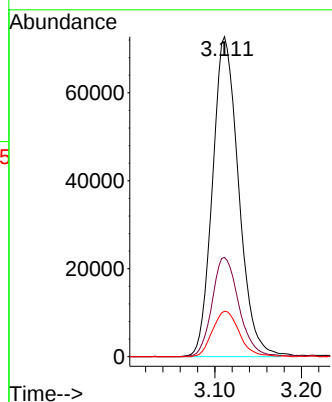
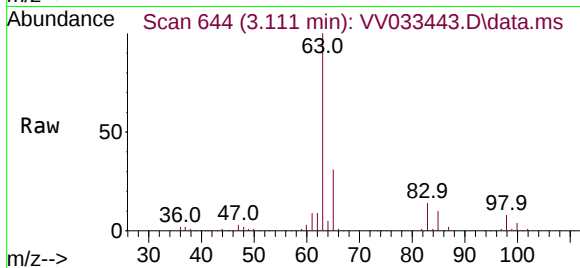
Tgt Ion: 63 Resp: 152476

Ion Ratio Lower Upper

63 100

65 31.0 21.1 39.3

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.135 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

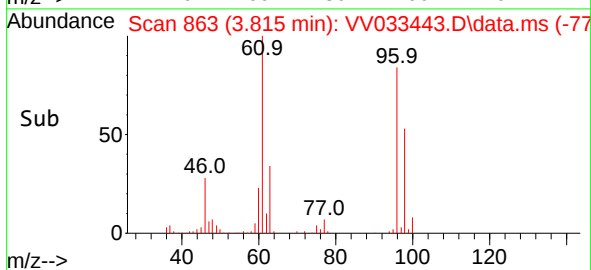
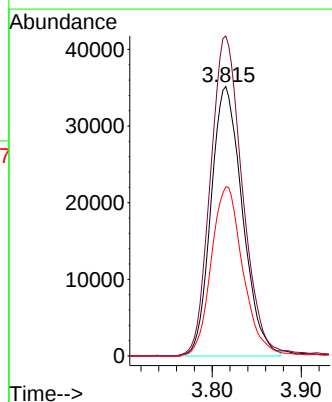
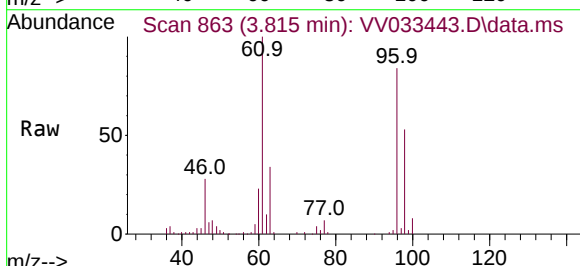
Tgt Ion: 96 Resp: 86191

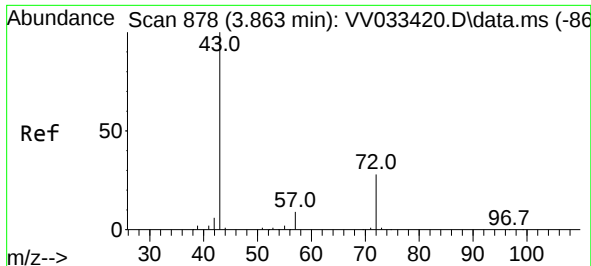
Ion Ratio Lower Upper

96 100

61 118.8 81.9 152.1

98 62.8 44.3 82.3

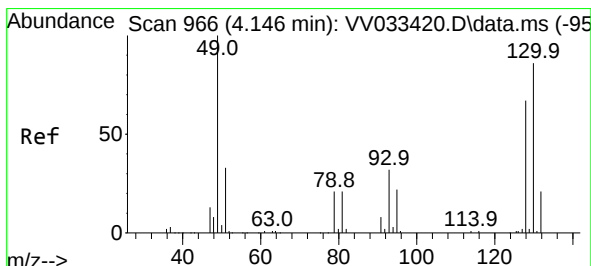
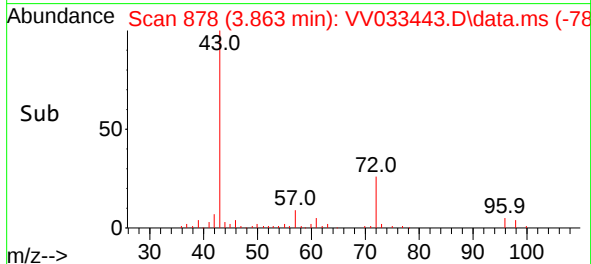
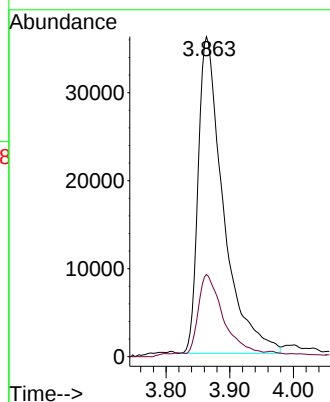
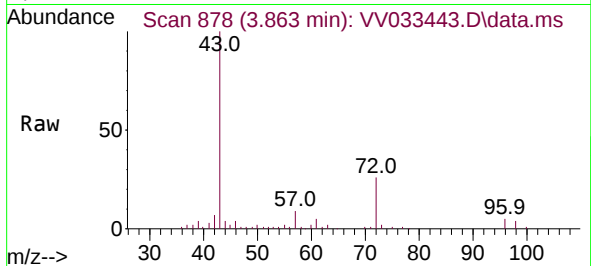




#22
2-Butanone
Concen: 93.870 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

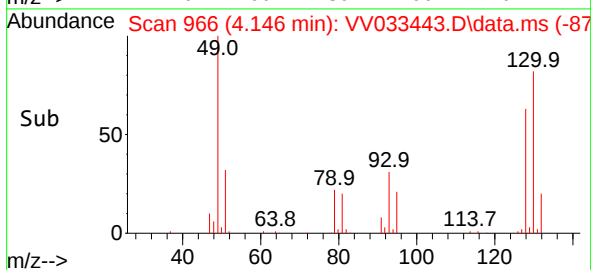
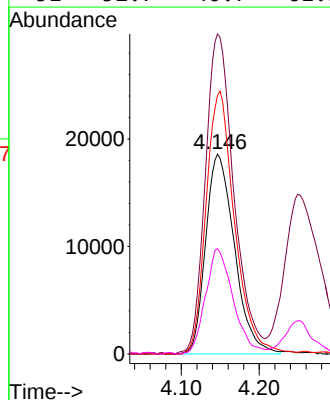
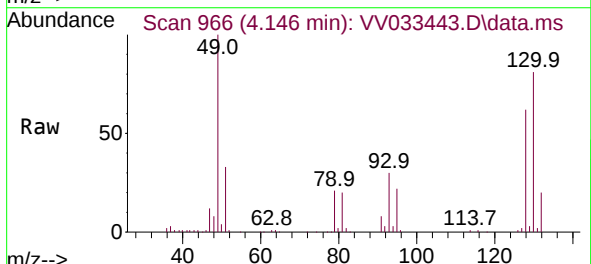
Instrument :
MSVOA_V
ClientSampleId :

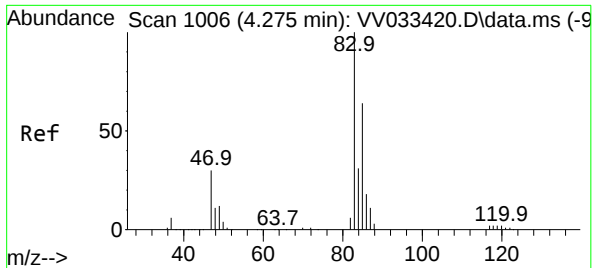
Tgt Ion: 43 Resp: 98787
Ion Ratio Lower Upper
43 100
72 24.7 12.4 37.4



#23
Bromochloromethane
Concen: 48.615 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 128 Resp: 47714
Ion Ratio Lower Upper
128 100
49 160.2 106.0 196.9
130 129.3 93.6 173.8
51 52.7 40.7 61.1

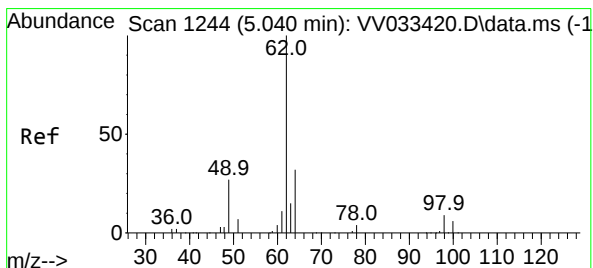
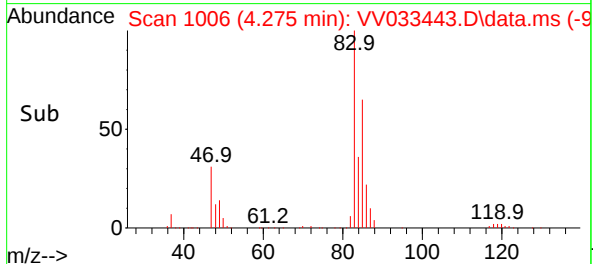
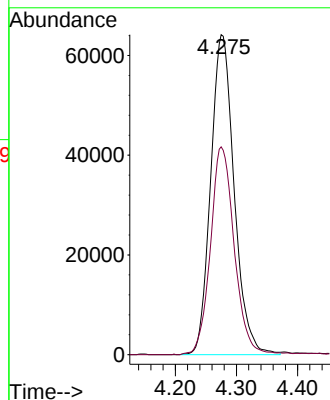
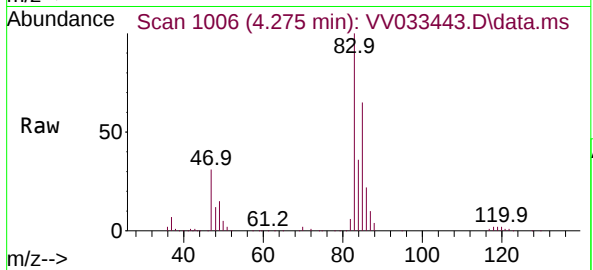




#25
Chloroform
Concen: 50.216 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

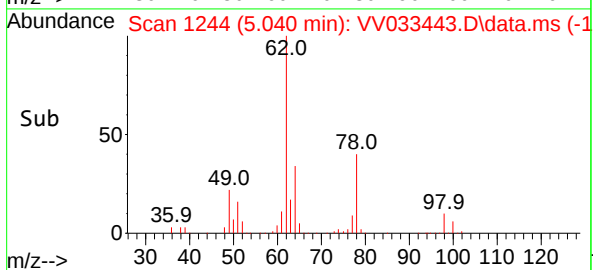
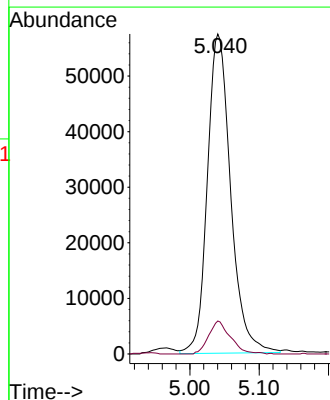
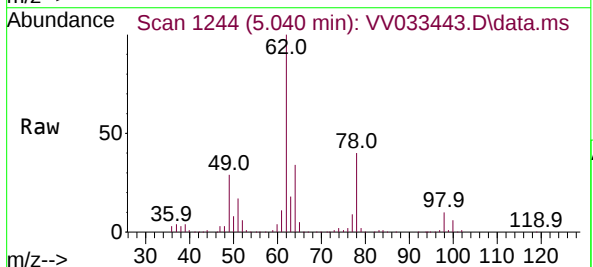
Instrument :
MSVOA_V
ClientSampleId :

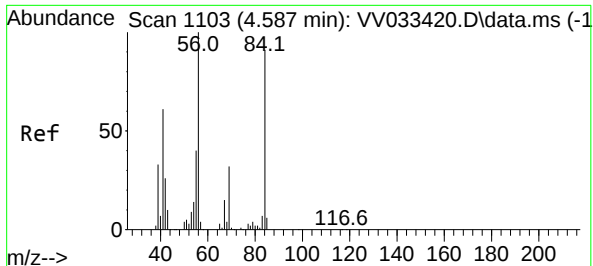
Tgt Ion: 83 Resp: 171052
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 51.070 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 62 Resp: 134094
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0





#29

Cyclohexane

Concen: 48.857 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :

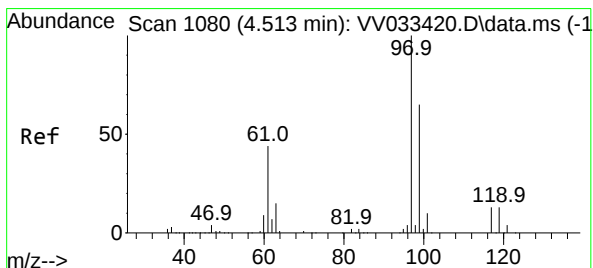
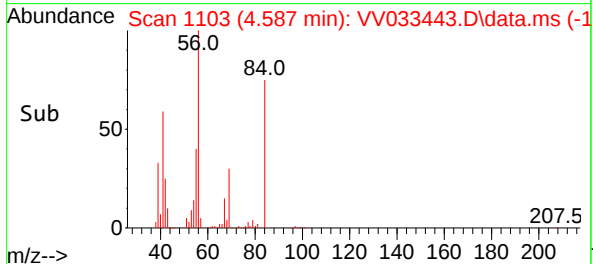
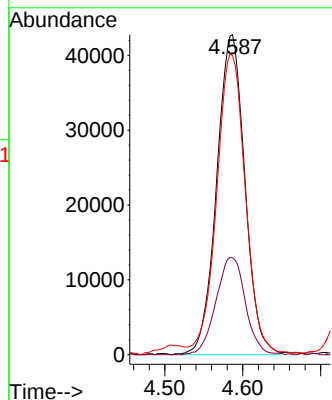
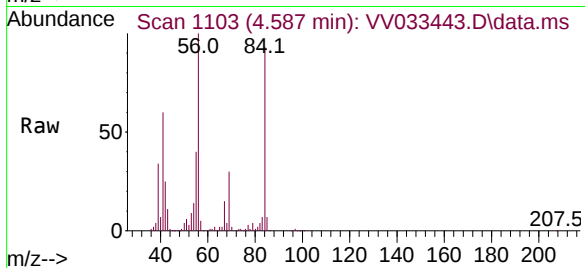
Tgt Ion: 56 Resp: 107423

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.6

84 93.7 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 48.926 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

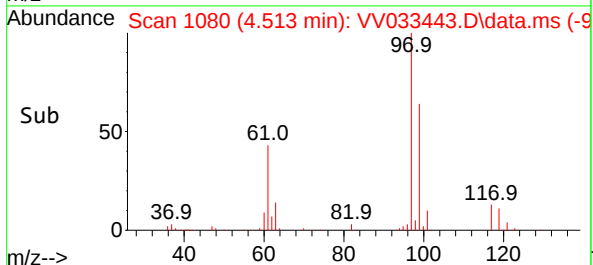
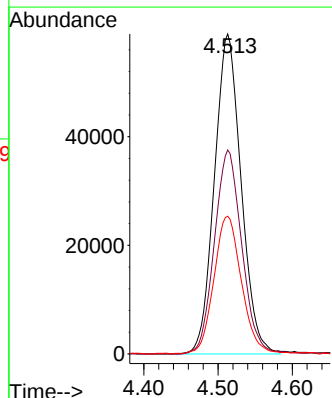
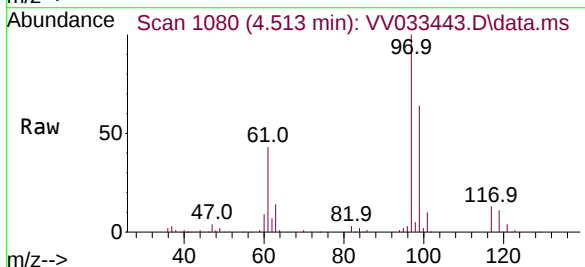
Tgt Ion: 97 Resp: 147364

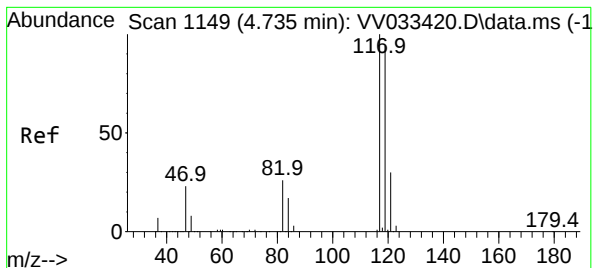
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 43.7 34.8 52.2





#31

Carbon tetrachloride

Concen: 48.978 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

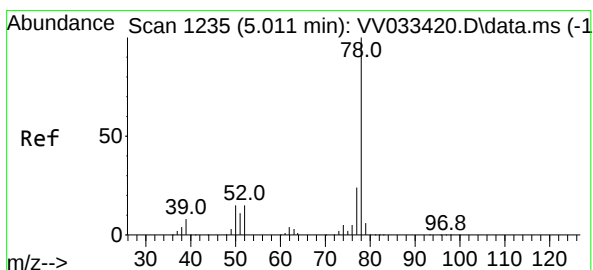
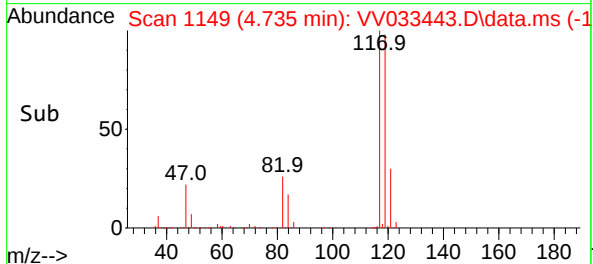
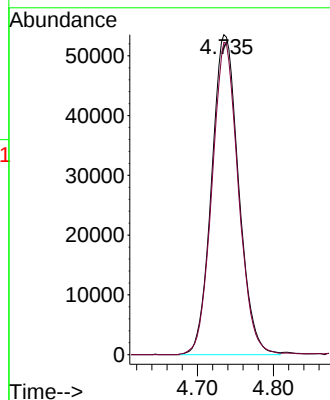
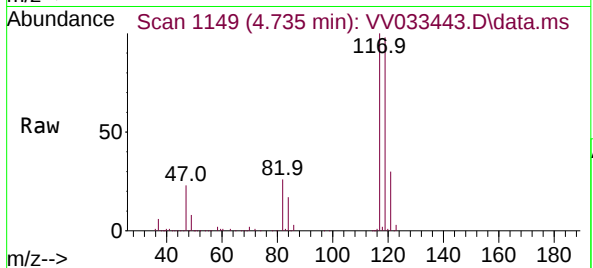
ClientSampleId :

Tgt Ion:117 Resp: 132021

Ion Ratio Lower Upper

117 100

119 95.4 77.8 116.6



#33

Benzene

Concen: 51.384 ug/L

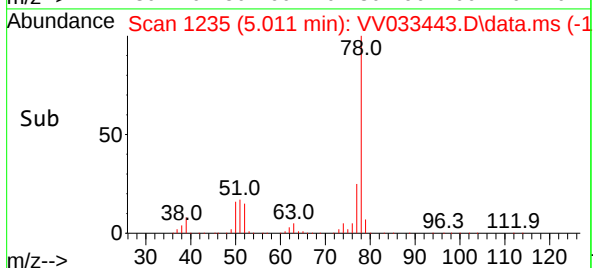
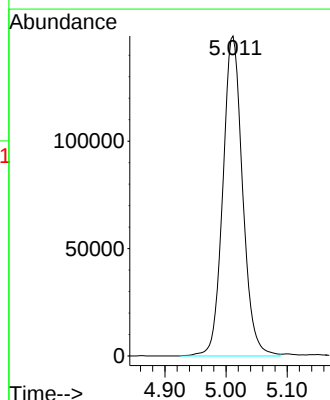
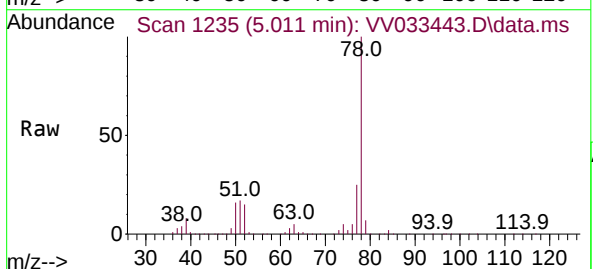
RT: 5.011 min Scan# 1235

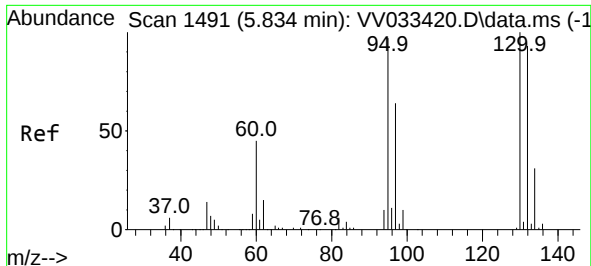
Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Tgt Ion: 78 Resp: 334109

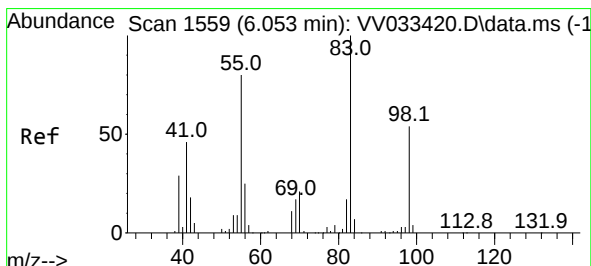
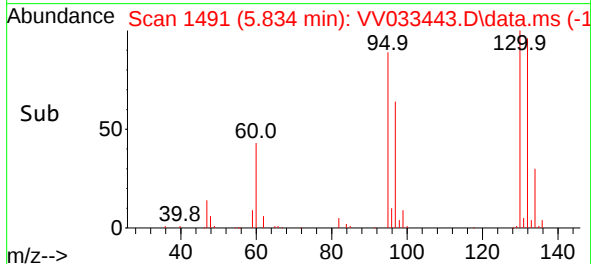
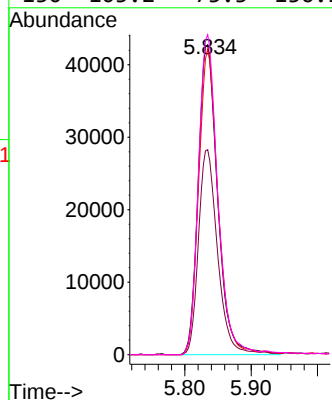
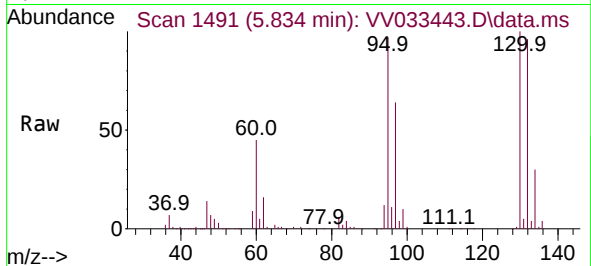




#34
Trichloroethene
Concen: 49.073 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

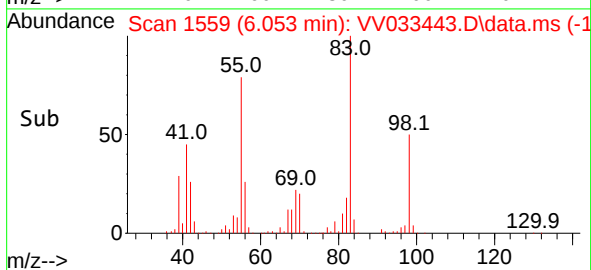
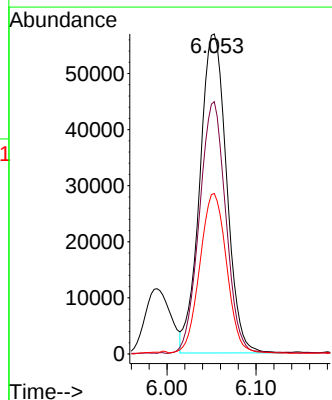
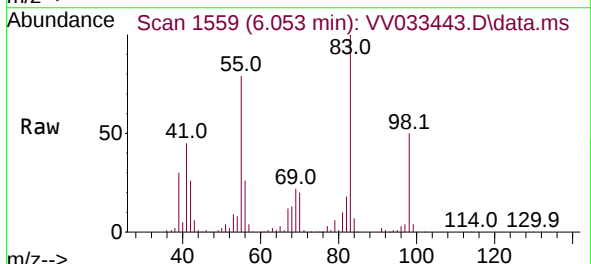
Instrument :
MSVOA_V
ClientSampleId :

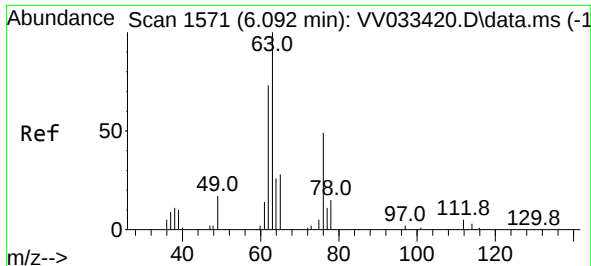
Tgt Ion: 95 Resp: 87539
Ion Ratio Lower Upper
95 100
97 66.1 44.8 83.2
132 98.7 69.9 129.7
130 103.2 73.3 136.1



#35
Methylcyclohexane
Concen: 46.471 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 83 Resp: 118901
Ion Ratio Lower Upper
83 100
55 77.7 58.6 88.0
98 50.4 40.9 61.3





#37

1,2-Dichloropropane

Concen: 50.808 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

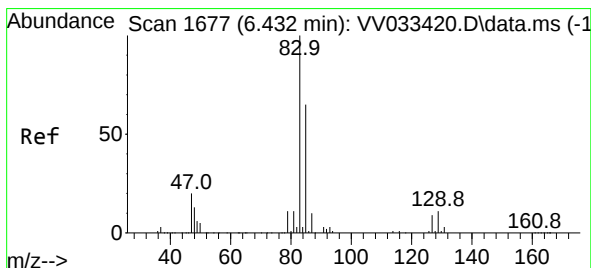
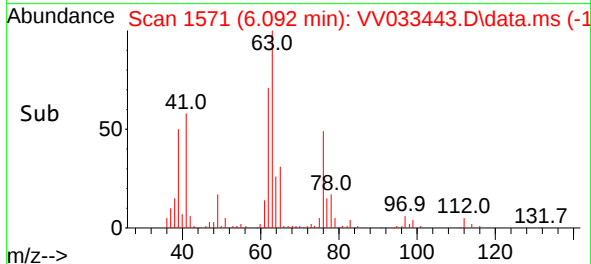
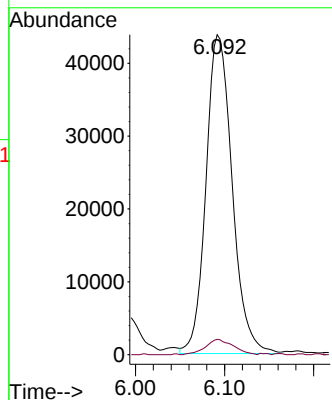
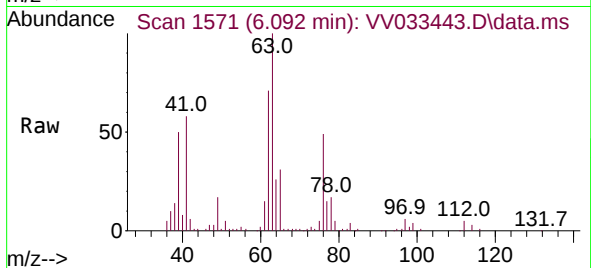
ClientSampleId :

Tgt Ion: 63 Resp: 89593

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



#38

Bromodichloromethane

Concen: 48.484 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

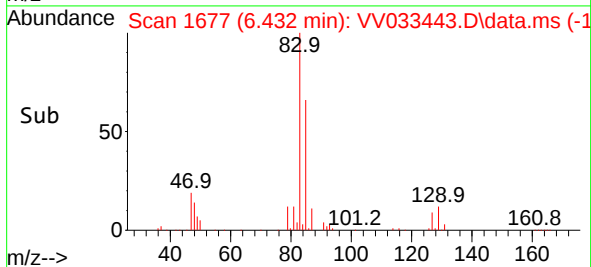
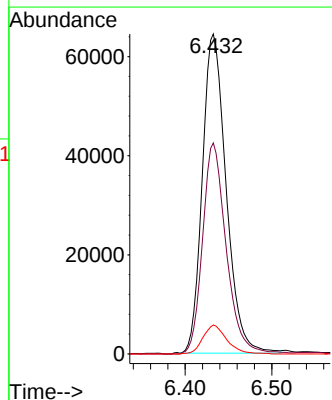
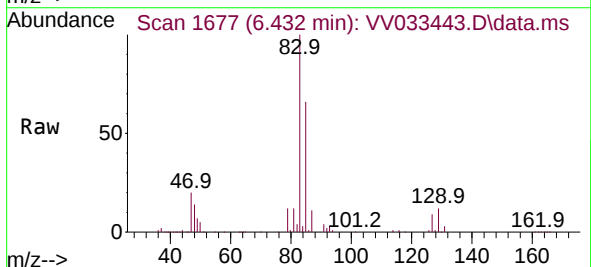
Tgt Ion: 83 Resp: 123052

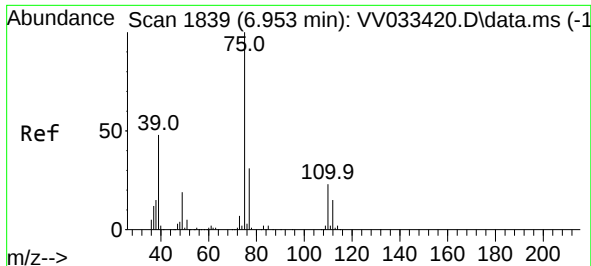
Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0

127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 47.283 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

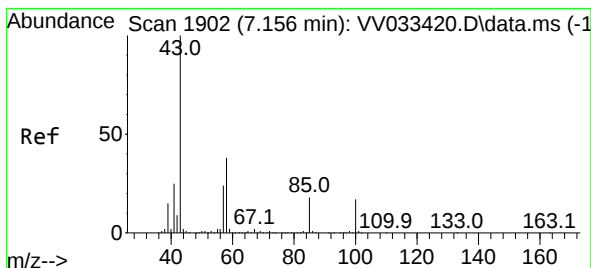
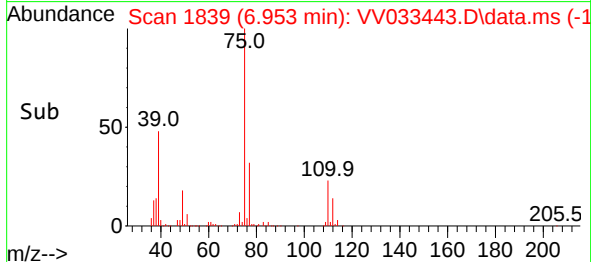
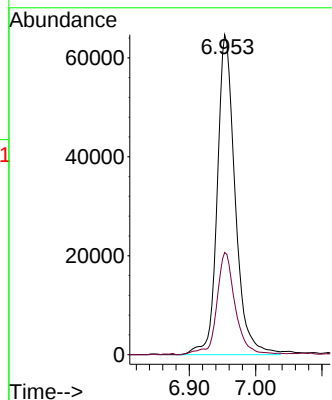
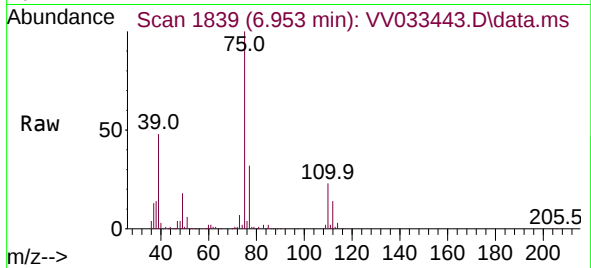
ClientSampleId :

Tgt Ion: 75 Resp: 121297

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 112.993 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

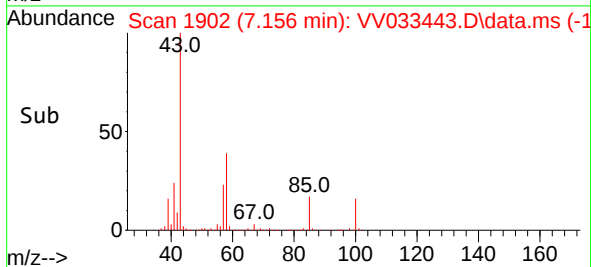
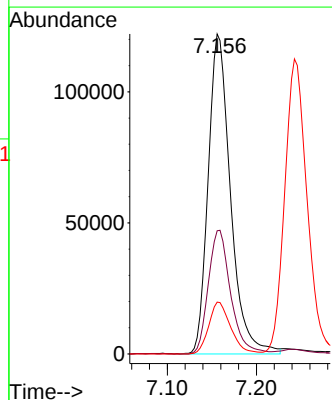
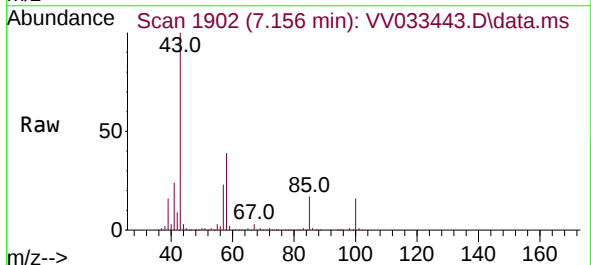
Tgt Ion: 43 Resp: 212629

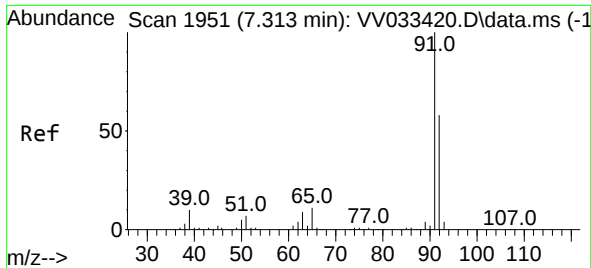
Ion Ratio Lower Upper

43 100

58 38.6 30.7 46.1

100 15.9 13.6 20.4





#42

Toluene

Concen: 52.109 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

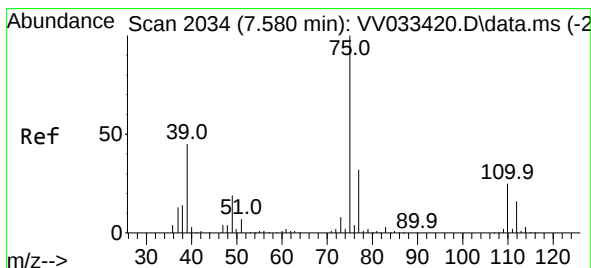
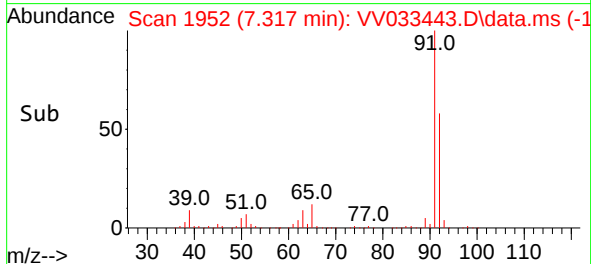
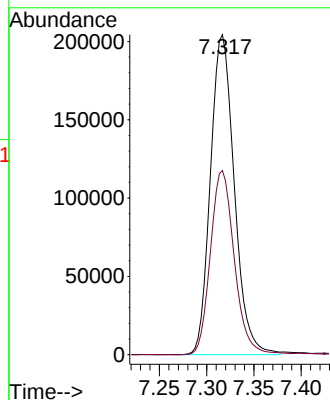
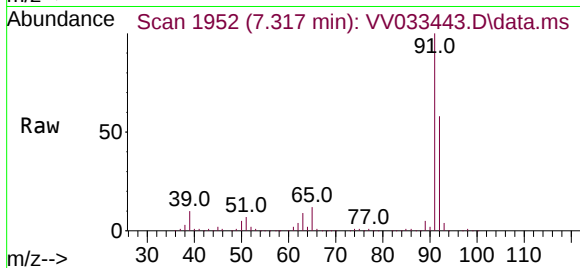
ClientSampleId :

Tgt Ion: 91 Resp: 359123

Ion Ratio Lower Upper

91 100

92 57.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 47.551 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033443.D

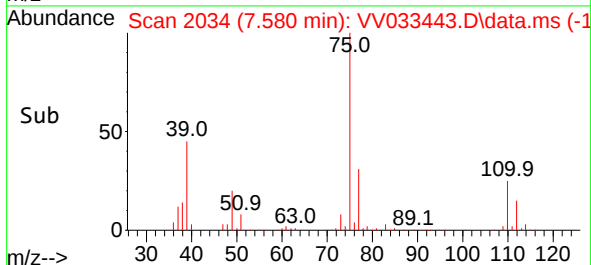
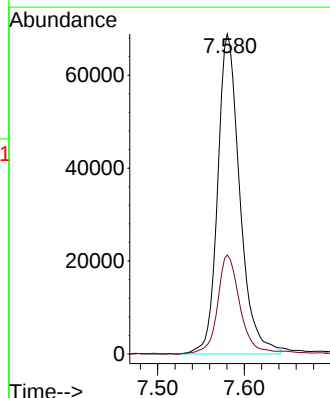
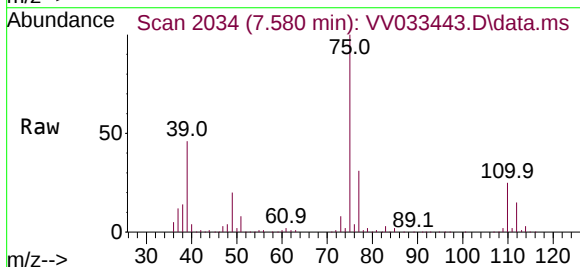
Acq: 16 Dec 2023 18:23

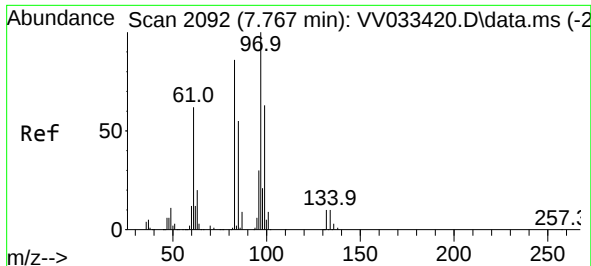
Tgt Ion: 75 Resp: 122407

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 50.642 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

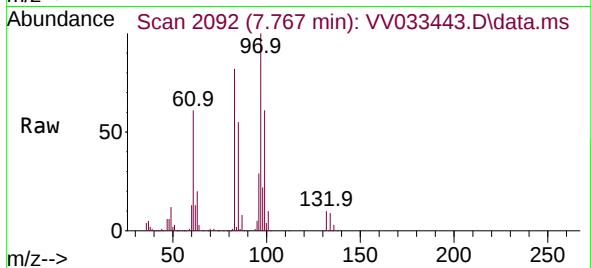
Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 93077

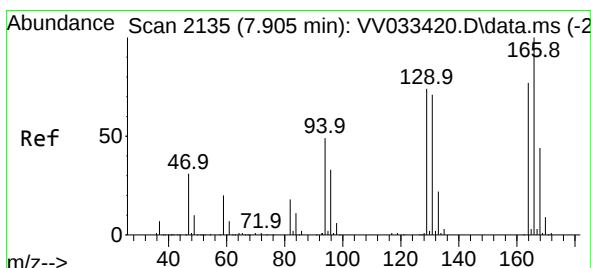
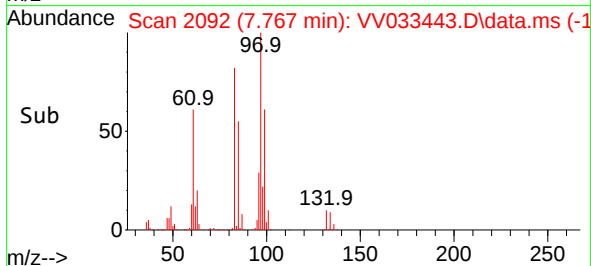
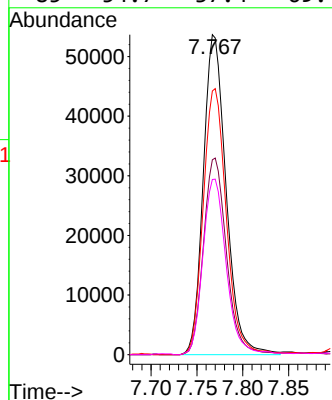
Ion Ratio Lower Upper

97 100

99 60.9 43.5 80.7

83 82.4 61.0 113.4

85 54.7 37.4 69.4



#46

Tetrachloroethene

Concen: 47.009 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Tgt Ion: 164 Resp: 65525

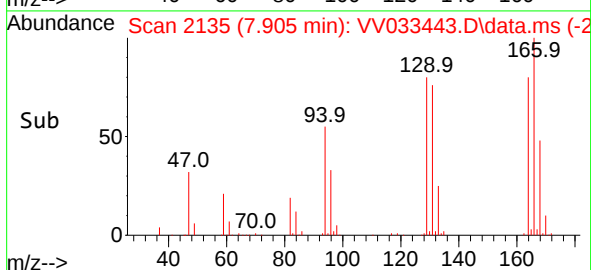
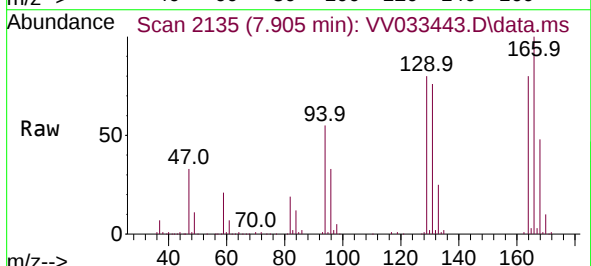
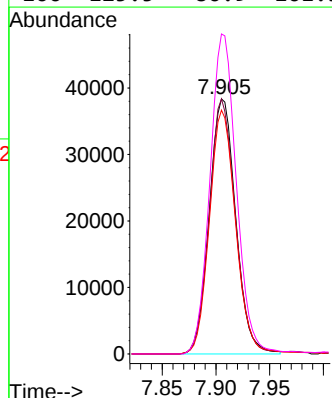
Ion Ratio Lower Upper

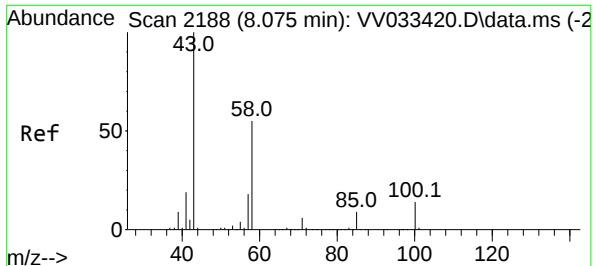
164 100

129 100.0 68.9 127.9

131 95.6 65.3 121.3

166 125.5 86.9 161.3

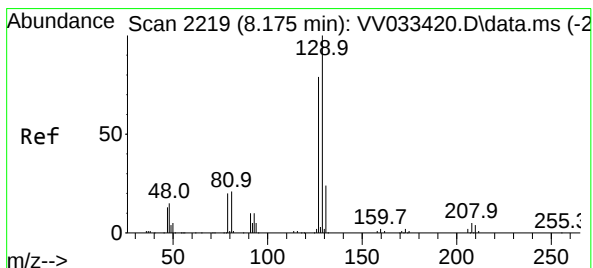
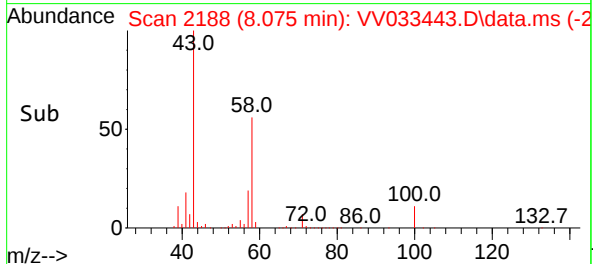
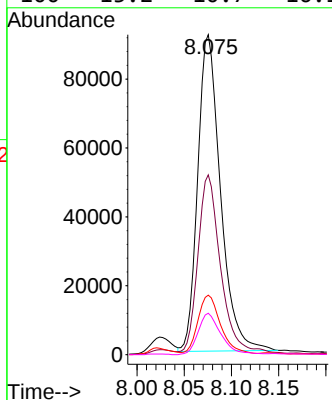
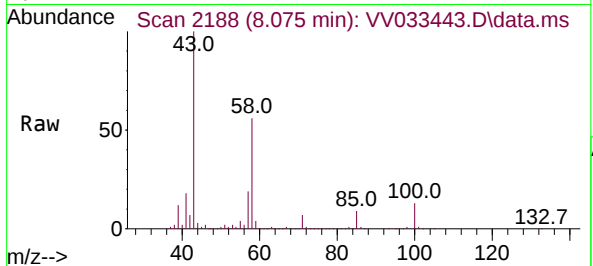




#48
2-Hexanone
Concen: 98.237 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

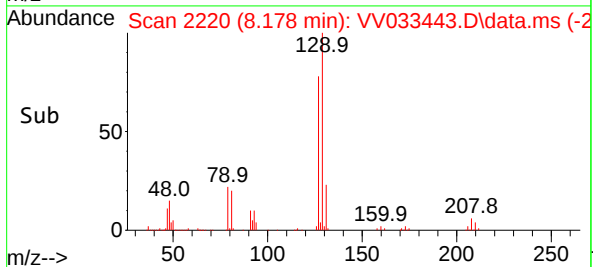
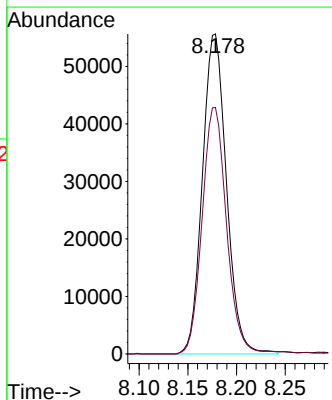
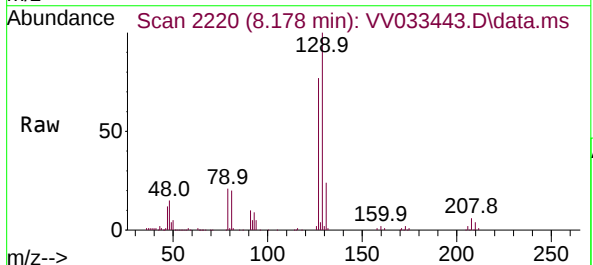
Instrument :
MSVOA_V
ClientSampleId :

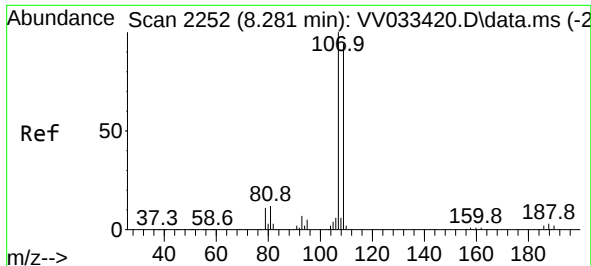
Tgt Ion:	43	Resp:	154185
Ion	Ratio	Lower	Upper
43	100		
58	53.5	43.0	64.6
57	18.6	14.7	22.1
100	13.2	10.7	16.1



#49
Dibromochloromethane
Concen: 49.199 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion:	129	Resp:	95616
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.3	98.9





#50

1,2-Dibromoethane

Concen: 50.638 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033443.D

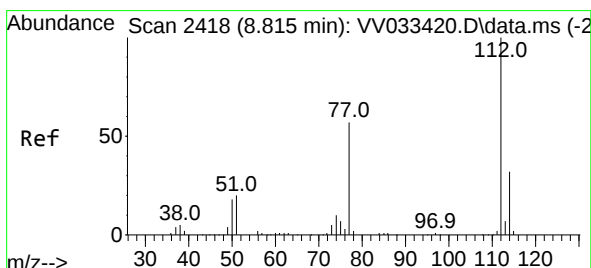
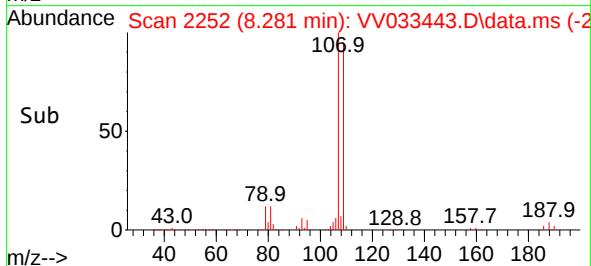
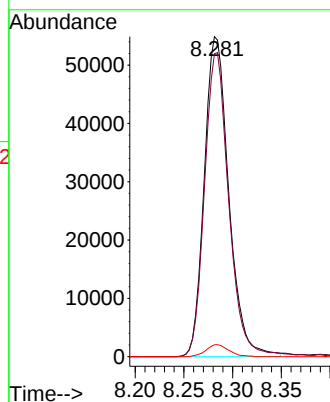
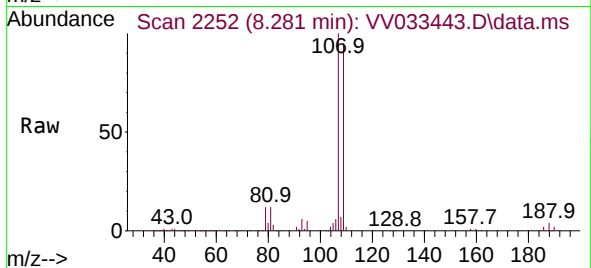
Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	95938
Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.2	119.2
188	3.7	2.9	4.3



#51

Chlorobenzene

Concen: 47.953 ug/L

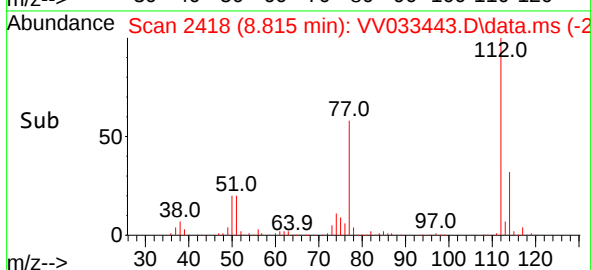
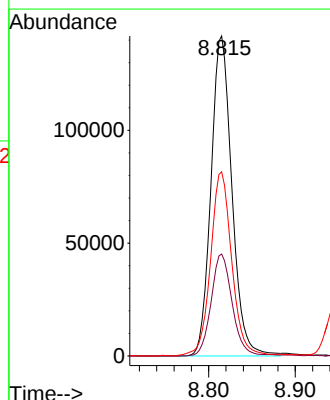
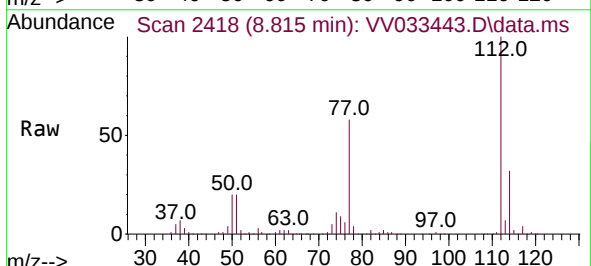
RT: 8.815 min Scan# 2418

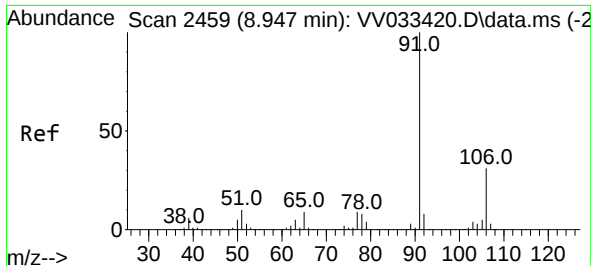
Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Tgt Ion:	112	Resp:	238168
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	57.6	45.2	67.8

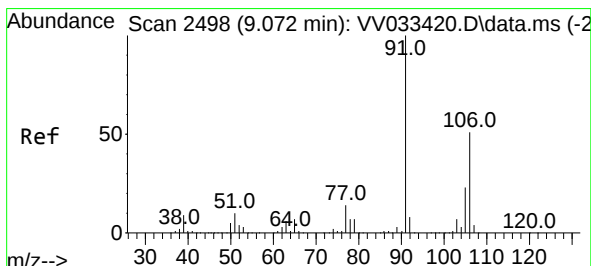
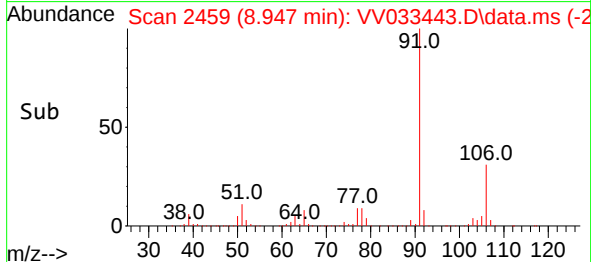
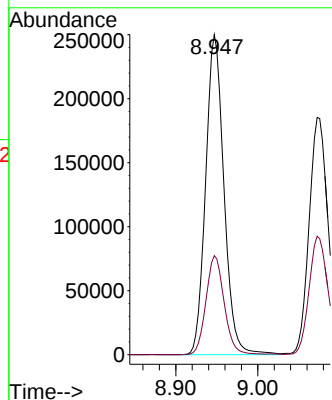
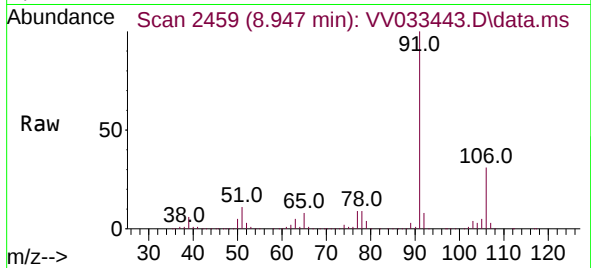




#52
Ethylbenzene
Concen: 50.448 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

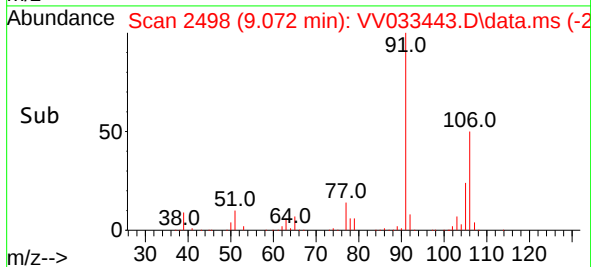
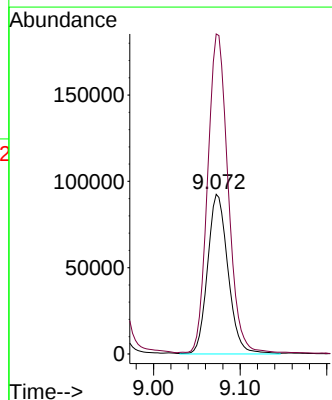
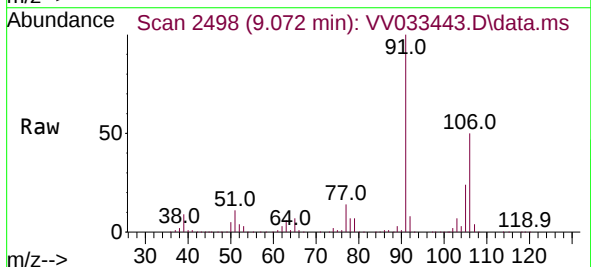
Instrument :
MSVOA_V
ClientSampleId :

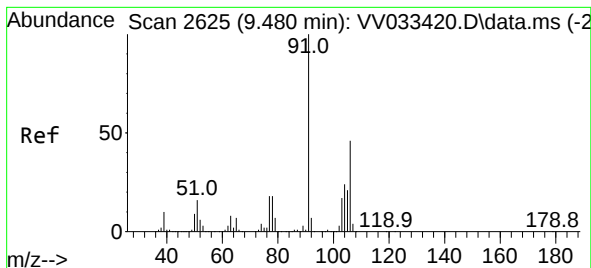
Tgt Ion: 91 Resp: 387194
Ion Ratio Lower Upper
91 100
106 31.0 21.6 40.2



#53
m,p-Xylene
Concen: 52.620 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 106 Resp: 151735
Ion Ratio Lower Upper
106 100
91 200.4 143.0 265.6





#54

o-Xylene

Concen: 50.537 ug/L

RT: 9.481 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

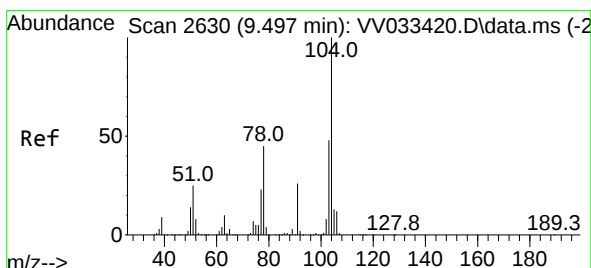
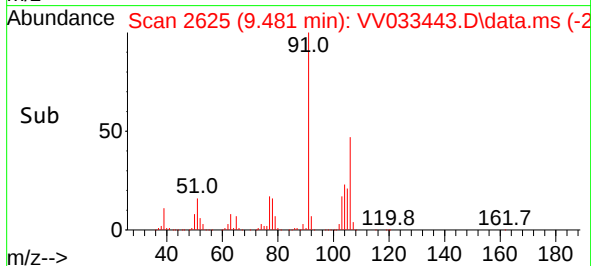
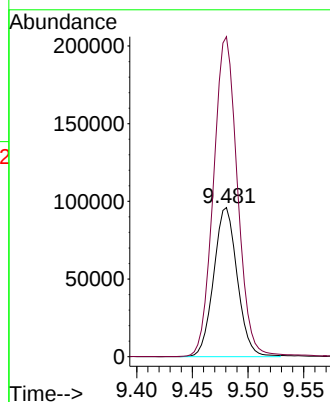
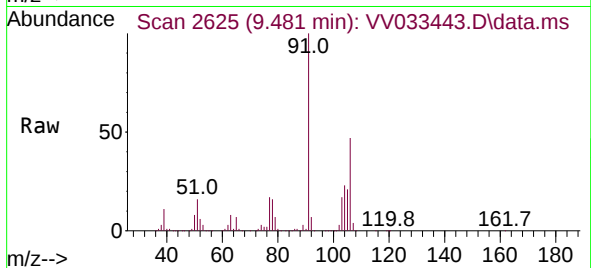
ClientSampleId :

Tgt Ion:106 Resp: 141505

Ion Ratio Lower Upper

106 100

91 214.7 149.7 278.1



#55

Styrene

Concen: 54.203 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV033443.D

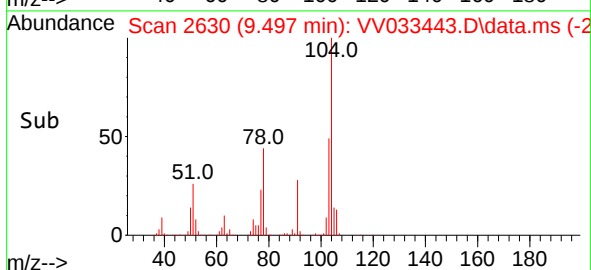
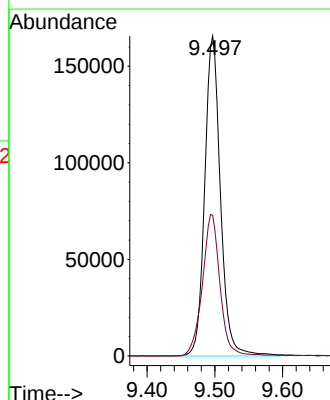
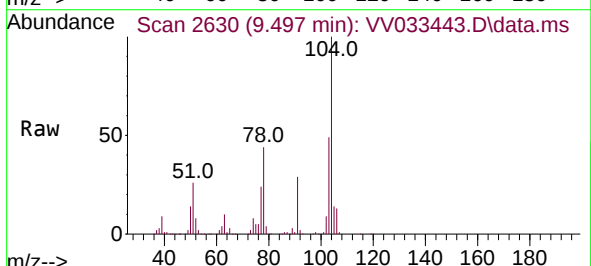
Acq: 16 Dec 2023 18:23

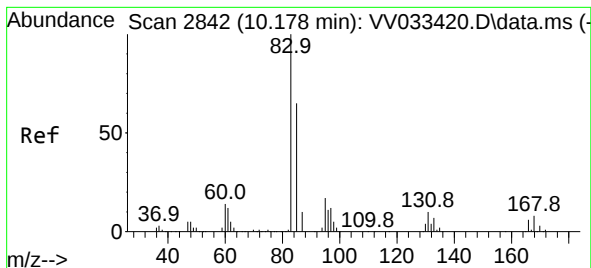
Tgt Ion:104 Resp: 267849

Ion Ratio Lower Upper

104 100

78 43.9 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 50.261 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :

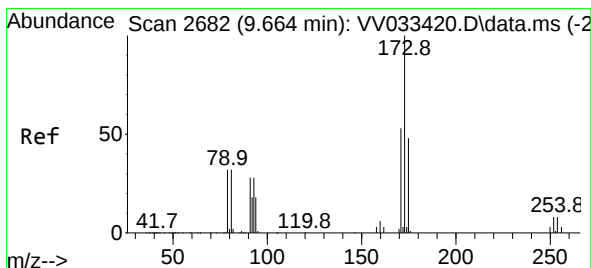
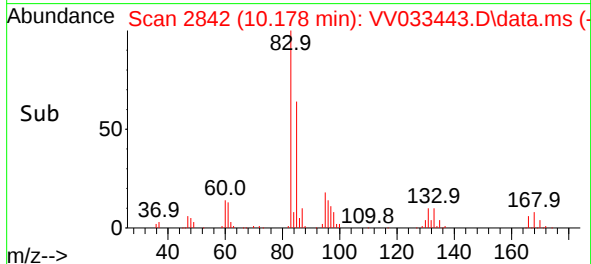
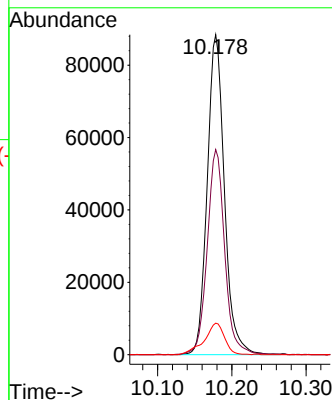
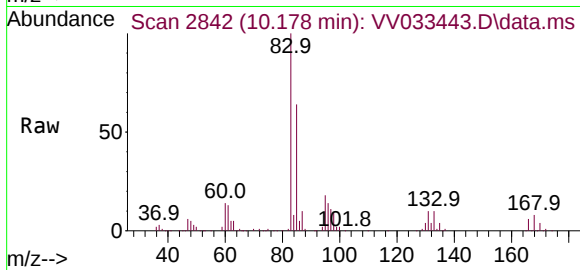
Tgt Ion: 83 Resp: 141874

Ion Ratio Lower Upper

83 100

85 64.1 44.8 83.2

131 9.9 8.6 12.8



#59

Bromoform

Concen: 47.450 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

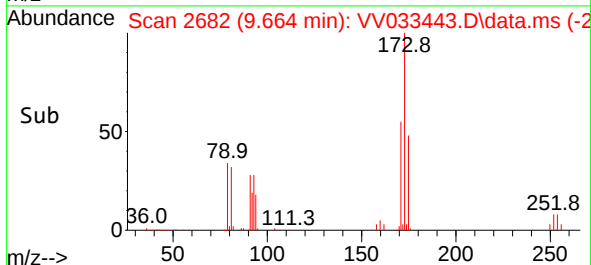
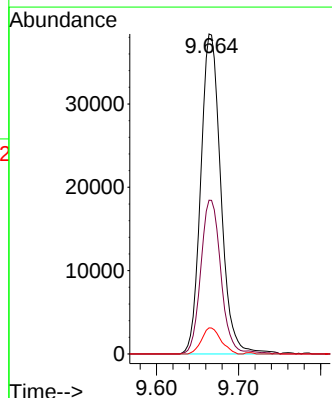
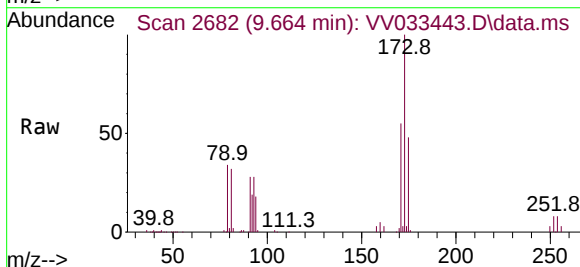
Tgt Ion: 173 Resp: 65285

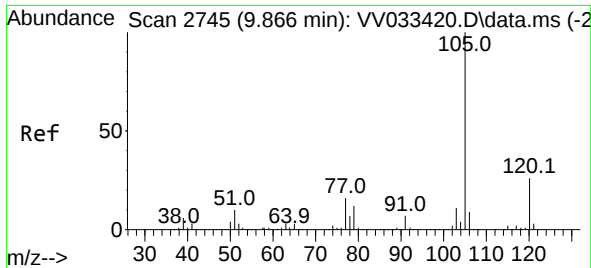
Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

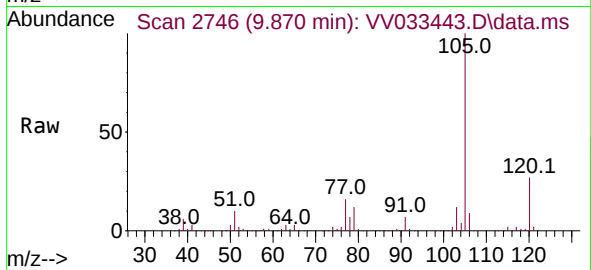
254 7.9 5.8 8.8



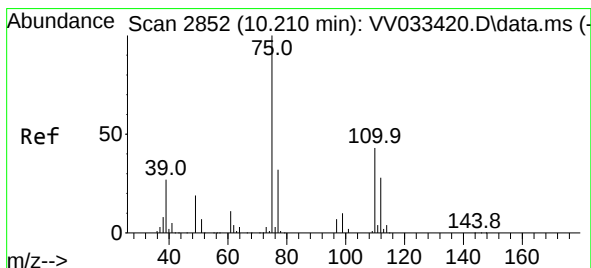
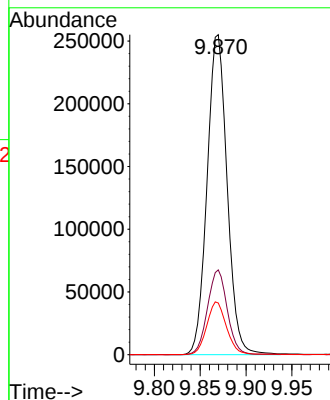
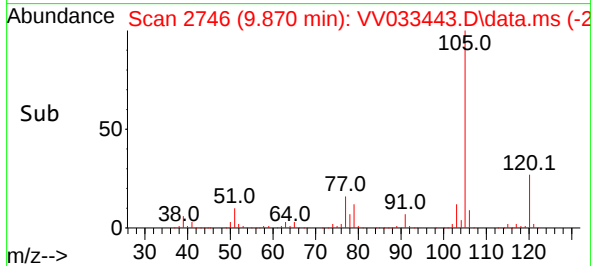


#60
Isopropylbenzene
Concen: 51.199 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

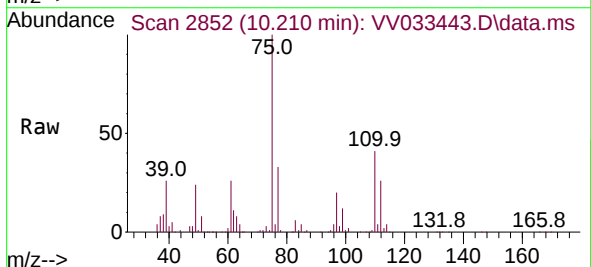
Instrument :
MSVOA_V
ClientSampleId :



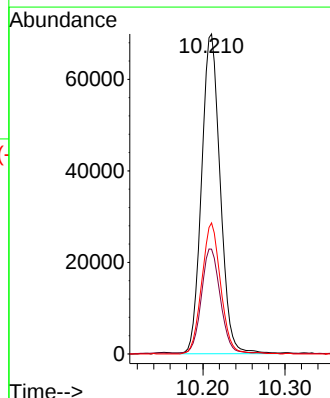
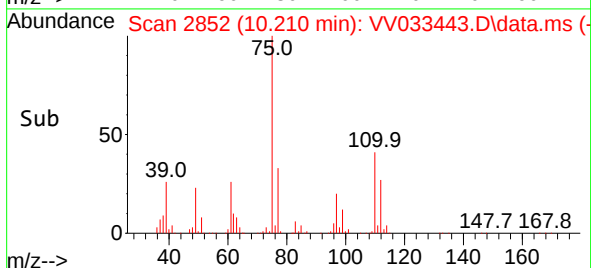
Tgt Ion:105 Resp: 387734
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8
77 16.2 12.5 18.7

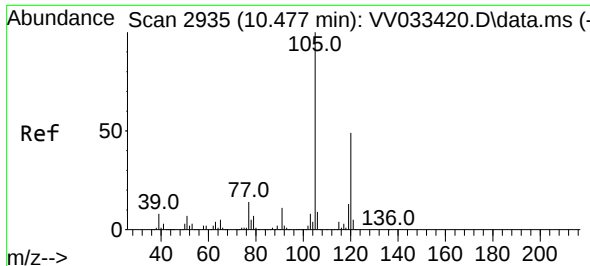


#61
1,2,3-Trichloropropane
Concen: 51.550 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23



Tgt Ion: 75 Resp: 110189
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
110 41.5 33.9 50.9

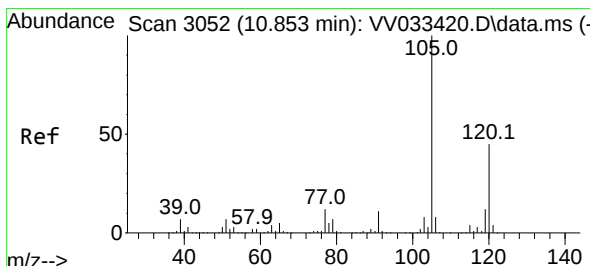
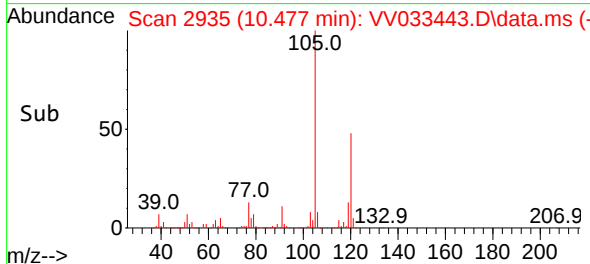
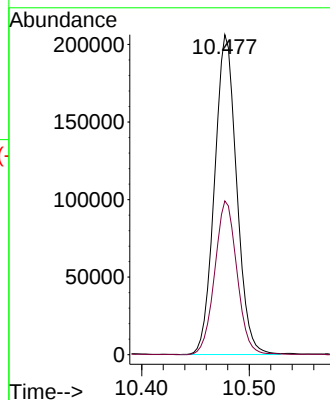
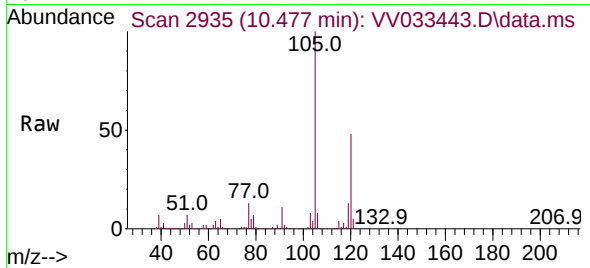




#62
 1,3,5-Trimethylbenzene
 Concen: 51.287 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033443.D
 Acq: 16 Dec 2023 18:23

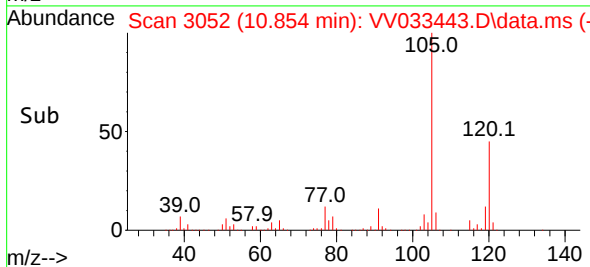
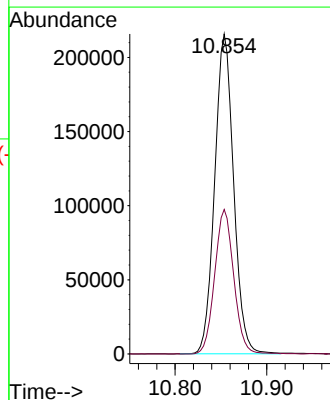
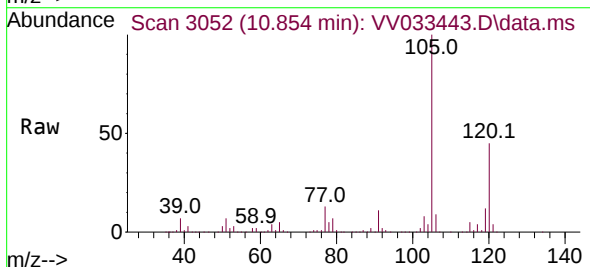
Instrument :
 MSVOA_V
 ClientSampleId :

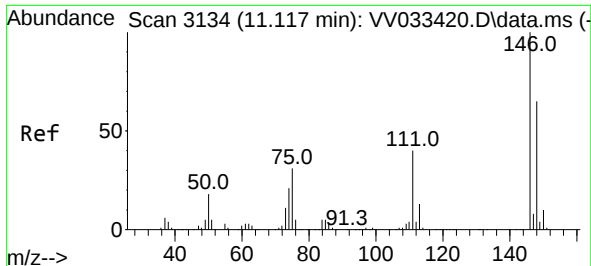
Tgt Ion:105 Resp: 294370
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 51.931 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV033443.D
 Acq: 16 Dec 2023 18:23

Tgt Ion:105 Resp: 309564
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4

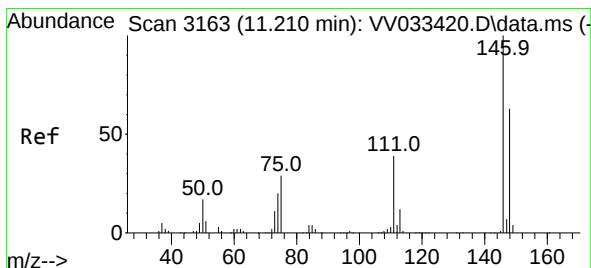
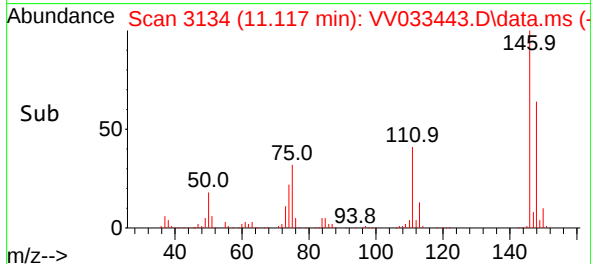
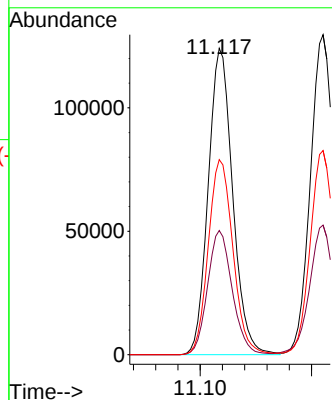
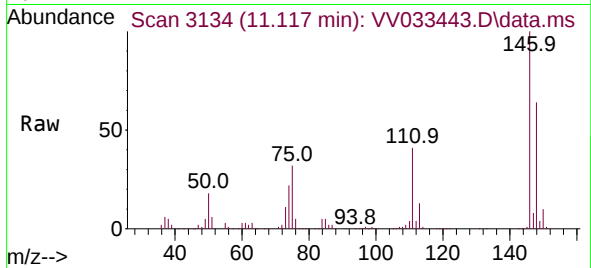




#64
1,3-Dichlorobenzene
Concen: 48.069 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

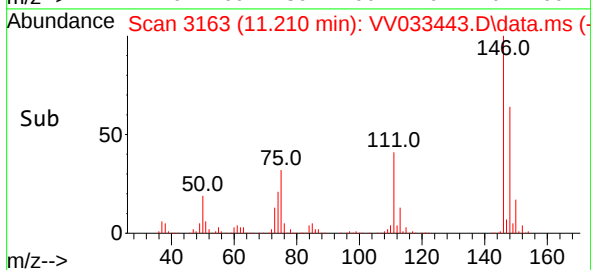
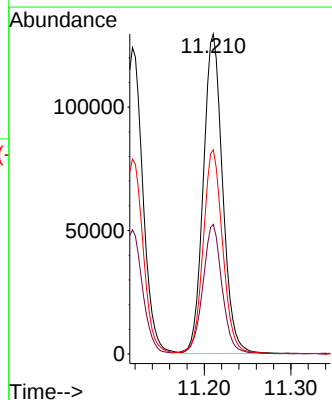
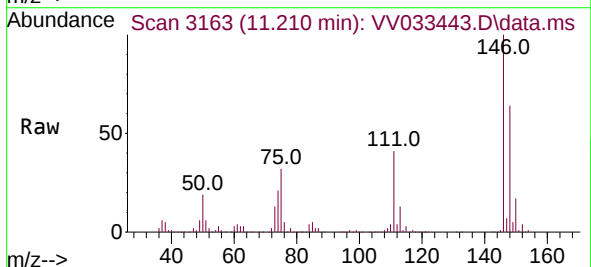
Instrument :
MSVOA_V
ClientSampleId :

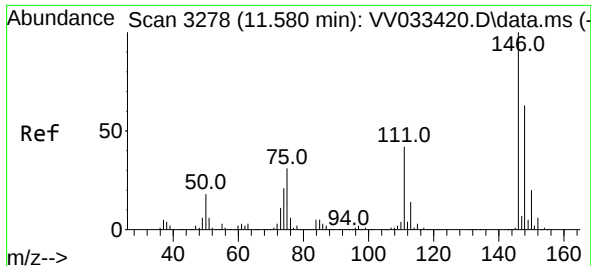
Tgt Ion:146 Resp: 189201
Ion Ratio Lower Upper
146 100
111 40.5 29.3 54.5
148 63.7 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 47.197 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion:146 Resp: 199936
Ion Ratio Lower Upper
146 100
111 40.5 27.9 51.7
148 63.8 45.5 84.5

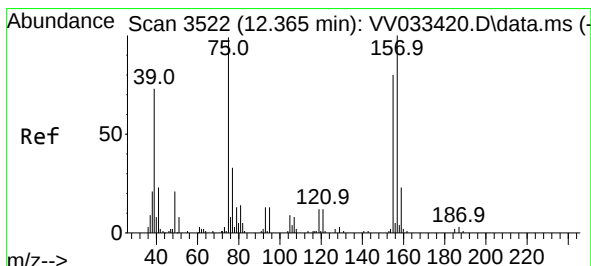
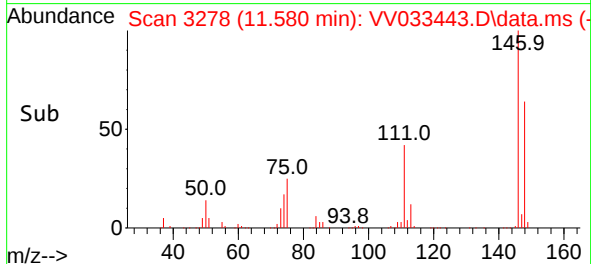
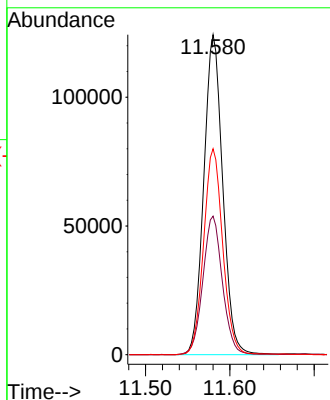
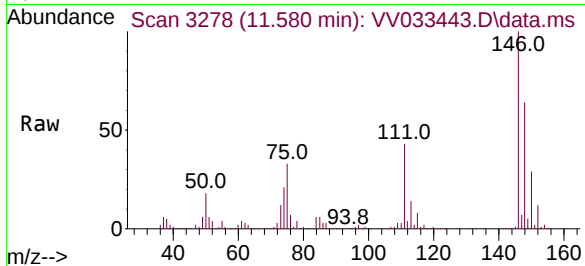




#67
1,2-Dichlorobenzene
Concen: 47.459 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

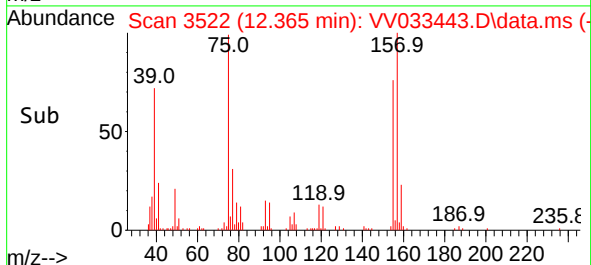
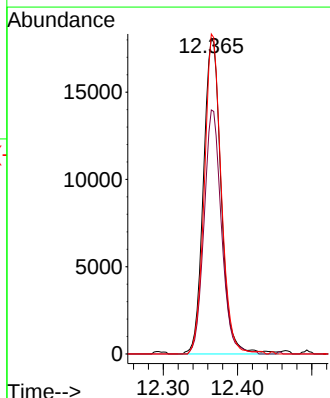
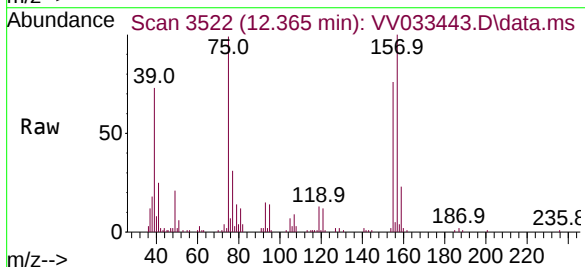
Instrument :
MSVOA_V
ClientSampleId :

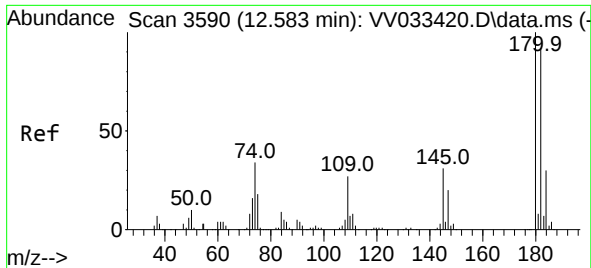
Tgt Ion:146 Resp: 194427
Ion Ratio Lower Upper
146 100
111 43.3 33.5 50.3
148 64.4 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 51.622 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033443.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 75 Resp: 29890
Ion Ratio Lower Upper
75 100
155 77.3 69.4 104.0
157 101.5 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 46.469 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

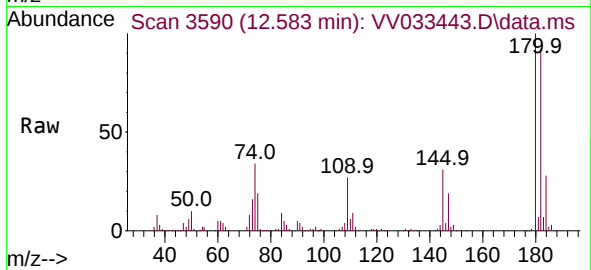
Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 126490

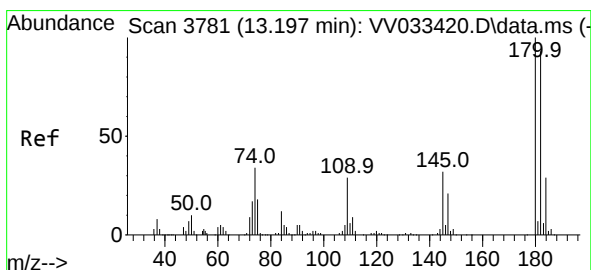
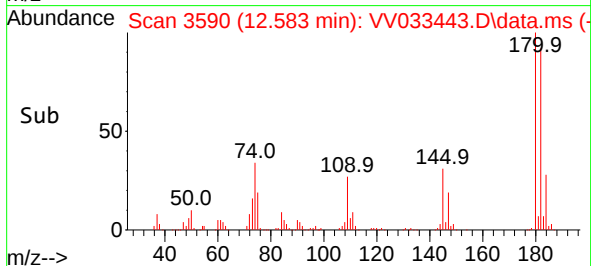
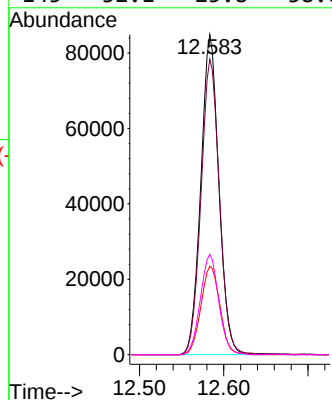
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

184 29.1 24.4 36.6

145 32.1 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 46.354 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

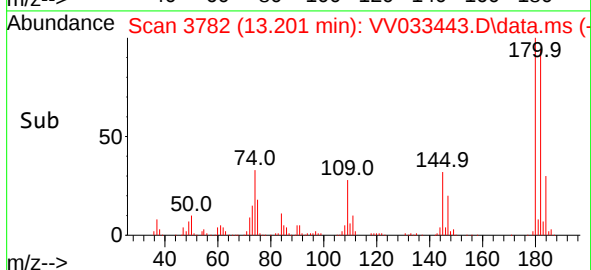
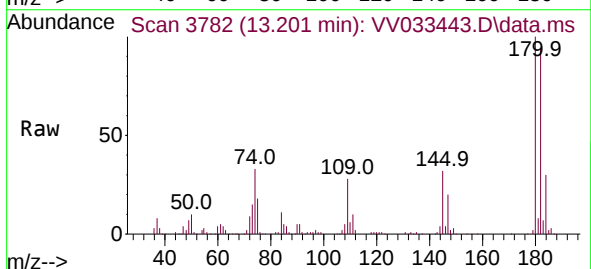
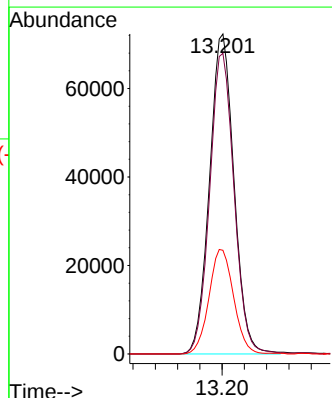
Tgt Ion:180 Resp: 110297

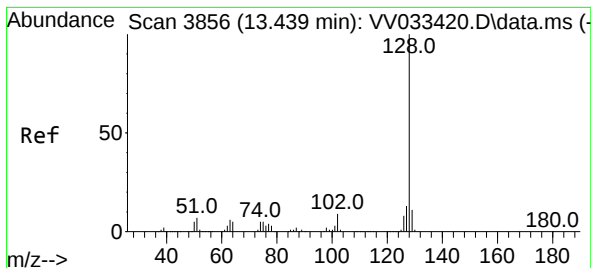
Ion Ratio Lower Upper

180 100

182 93.6 76.1 114.1

145 32.9 25.6 38.4





#71

Naphthalene

Concen: 47.740 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_V

ClientSampleId :

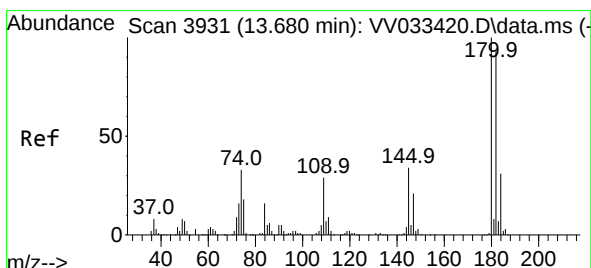
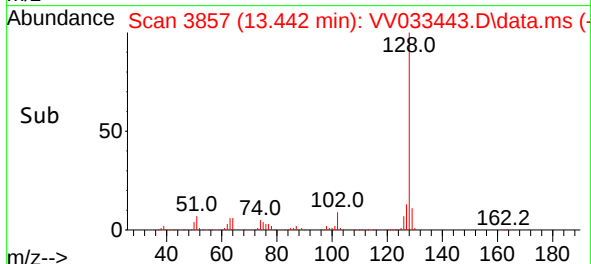
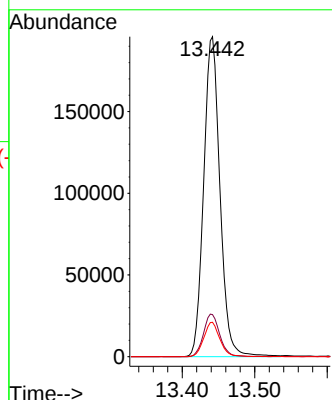
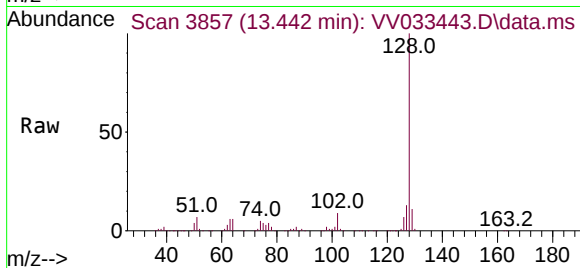
Tgt Ion:128 Resp: 305632

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.699 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033443.D

Acq: 16 Dec 2023 18:23

Tgt Ion:180 Resp: 120324

Ion Ratio Lower Upper

180 100

182 93.2 76.2 114.2

145 34.4 27.1 40.7

