

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033379.D
 Acq On : 15 Dec 2023 15:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 23:20:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	240818	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	240871	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	135756	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	83967	45.277	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.560%
7) Chloroethane-d5	1.507	69	87716	52.705	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.420%
11) 1,1-Dichloroethene-d2	2.053	65	42201	45.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.420%
21) 2-Butanone-d5	3.783	46	95630	102.316	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.320%
24) Chloroform-d	4.243	84	183078	49.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.820%
26) 1,2-Dichloroethane-d4	4.934	65	115349	51.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.380%
32) Benzene-d6	4.953	84	334666	51.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.180%
36) 1,2-Dichloropropane-d6	5.985	67	102281	51.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.900%
41) Toluene-d8	7.239	98	311432	52.464	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.920%
43) trans-1,3-Dichloroprop...	7.548	79	55066	57.066	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.140%
47) 2-Hexanone-d5	8.027	63	79759	120.437	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.440%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	158238	55.917	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.840%
66) 1,2-Dichlorobenzene-d4	11.561	152	136490	53.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	89597	45.285	ug/L	99
3) Chloromethane	1.214	50	81133	44.542	ug/L	99
5) Vinyl chloride	1.282	62	81479	41.727	ug/L	98
6) Bromomethane	1.465	94	58351	41.746	ug/L	97
8) Chloroethane	1.526	64	62133	47.133	ug/L	97
9) Trichlorofluoromethane	1.699	101	155720	45.478	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	90156	45.132	ug/L	99
12) 1,1-Dichloroethene	2.063	96	76931	45.333	ug/L	95
13) Acetone	2.111	43	105856	97.570	ug/L	100
14) Carbon disulfide	2.233	76	201546	46.475	ug/L	98
15) Methyl Acetate	2.368	43	79319	51.192	ug/L	96
16) Methylene chloride	2.439	84	90134	47.556	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	76488	47.685	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	266750	54.762	ug/L	99
19) 1,1-Dichloroethane	3.105	63	148212	48.210	ug/L	97
20) cis-1,2-Dichloroethene	3.809	96	89288	49.095	ug/L	94
22) 2-Butanone	3.863	43	103722	97.038	ug/L	98
23) Bromochloromethane	4.140	128	48869	49.023	ug/L	95
25) Chloroform	4.269	83	165647	47.879	ug/L	99

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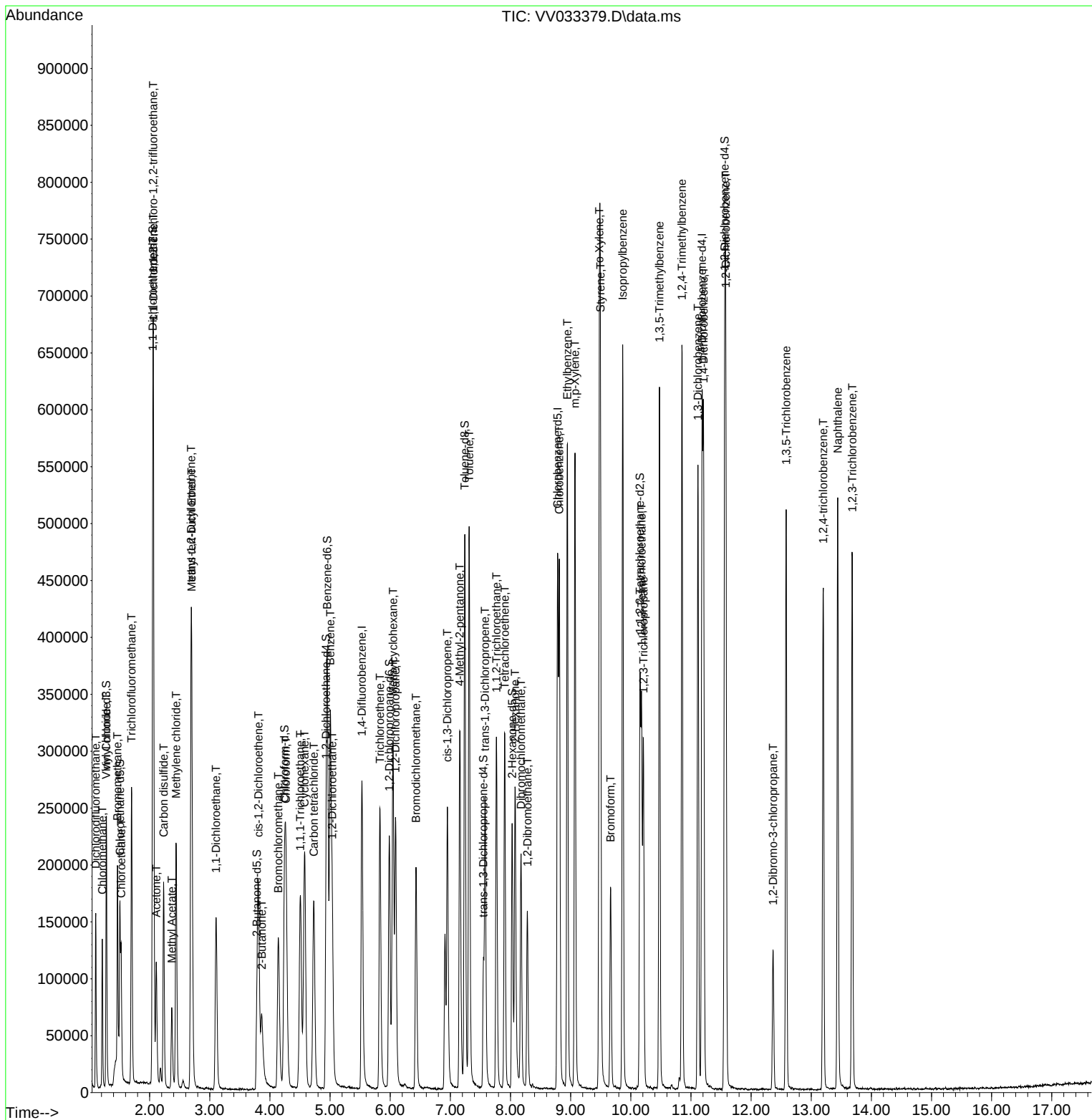
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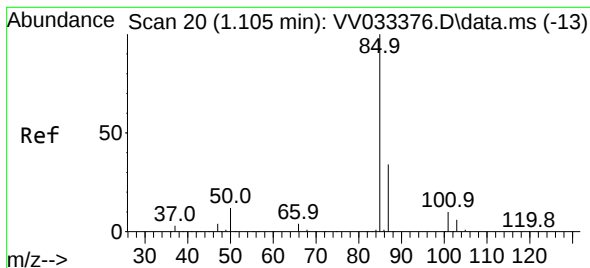
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:14:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	135886	50.954	ug/L	97
29) Cyclohexane	4.577	56	108905	50.165	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	143692	48.317	ug/L	99
31) Carbon tetrachloride	4.732	117	125447	47.134	ug/L	98
33) Benzene	5.005	78	325205	50.654	ug/L	100
34) Trichloroethene	5.828	95	87495	49.675	ug/L	97
35) Methylcyclohexane	6.047	83	121382	48.048	ug/L	98
37) 1,2-Dichloropropane	6.088	63	85711	49.228	ug/L #	97
38) Bromodichloromethane	6.429	83	127612	50.924	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	140878	55.618	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	215839	116.165	ug/L	100
42) Toluene	7.313	91	353699	51.978	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	139348	54.824	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	93201	51.358	ug/L	97
46) Tetrachloroethene	7.905	164	65557	47.634	ug/L	98
48) 2-Hexanone	8.075	43	177726	114.683	ug/L	97
49) Dibromochloromethane	8.175	129	99861	52.040	ug/L	97
50) 1,2-Dibromoethane	8.281	107	97420	52.078	ug/L	97
51) Chlorobenzene	8.812	112	241032	49.151	ug/L	99
52) Ethylbenzene	8.947	91	388160	51.220	ug/L	99
53) m,p-Xylene	9.072	106	150466	52.847	ug/L	99
54) o-Xylene	9.477	106	147037	53.185	ug/L	99
55) Styrene	9.497	104	269808	55.298	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	152039	54.551	ug/L	99
59) Bromoform	9.664	173	74928	53.498	ug/L	100
60) Isopropylbenzene	9.866	105	392201	50.875	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	113611	52.214	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	308828	52.857	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	331640	54.653	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	206907	51.640	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	213966	49.618	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	215056	51.568	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	29162	49.476	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	139301	50.272	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	121696	50.242	ug/L	99
71) Naphthalene	13.442	128	386429	59.296	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	129983	54.864	ug/L	98

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

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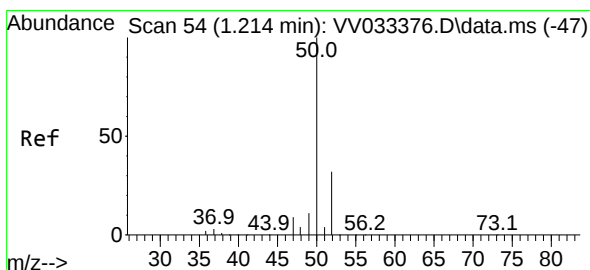
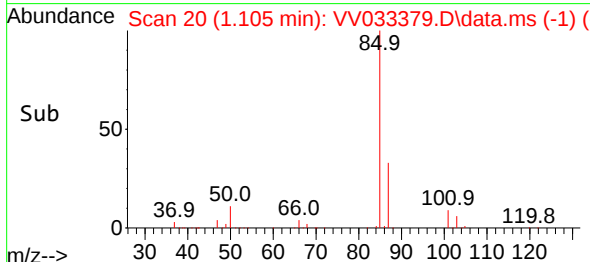
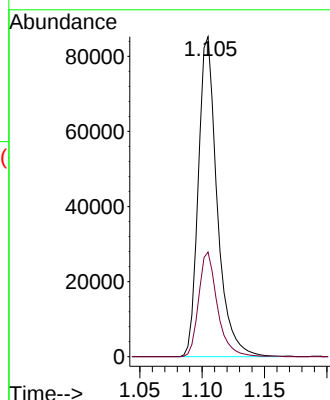
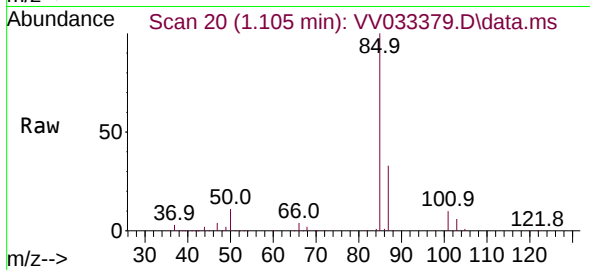




#2
 Dichlorodifluoromethane
 Concen: 45.285 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

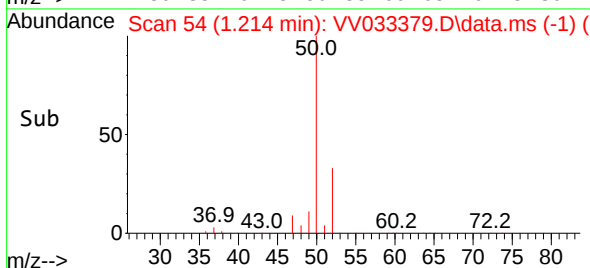
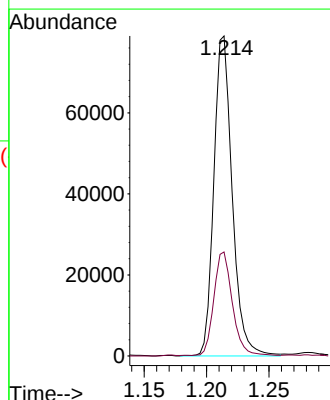
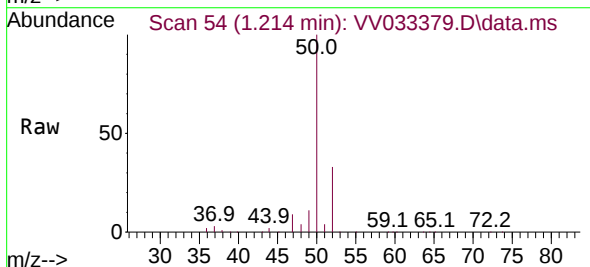
Instrument :
 MSVOA_V
 ClientSampleId :

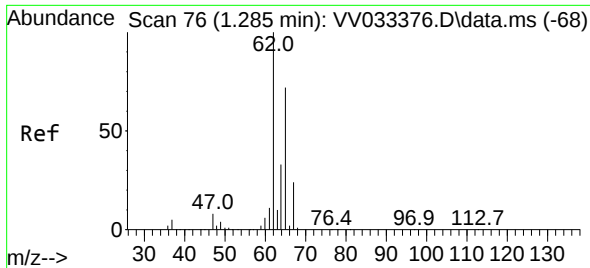
Tgt Ion: 85 Resp: 89597
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 44.542 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Tgt Ion: 50 Resp: 81133
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.3 41.5



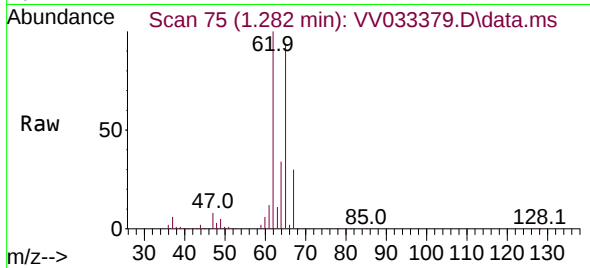


#5
 Vinyl chloride
 Concen: 41.727 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

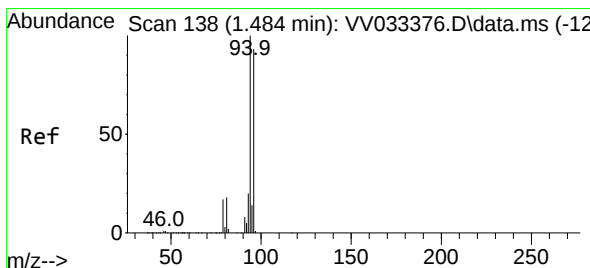
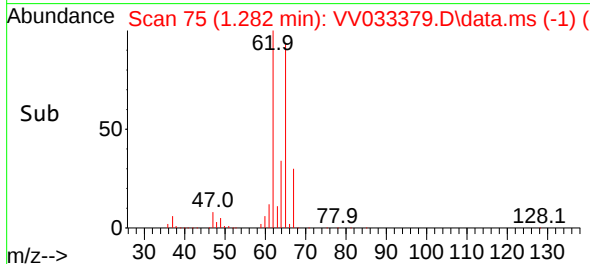
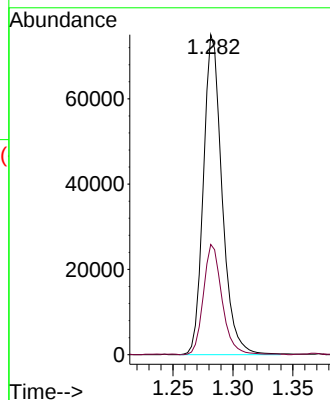
Instrument :

MSVOA_V

ClientSampleId :

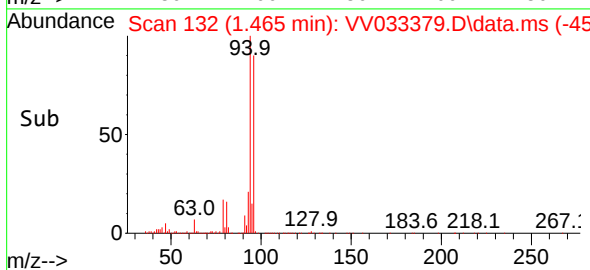
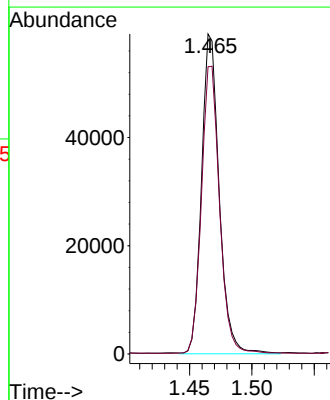
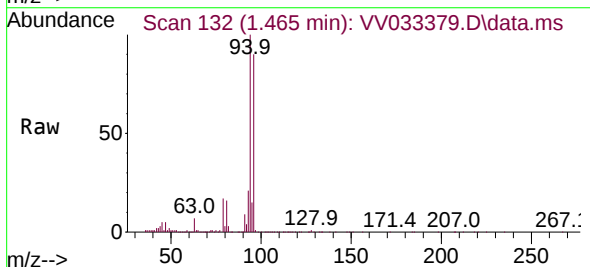


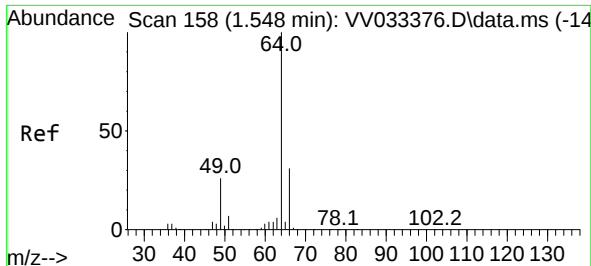
Tgt Ion: 62 Resp: 81479
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.4 43.6



#6
 Bromomethane
 Concen: 41.746 ug/L
 RT: 1.465 min Scan# 132
 Delta R.T. -0.019 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Tgt Ion: 94 Resp: 58351
 Ion Ratio Lower Upper
 94 100
 96 89.8 65.1 120.9

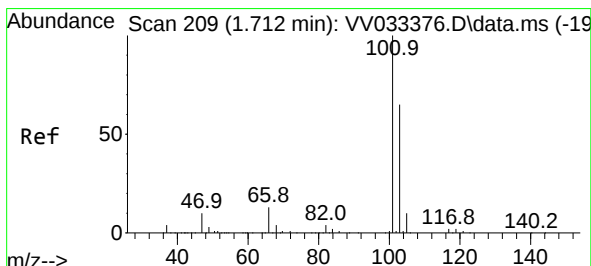
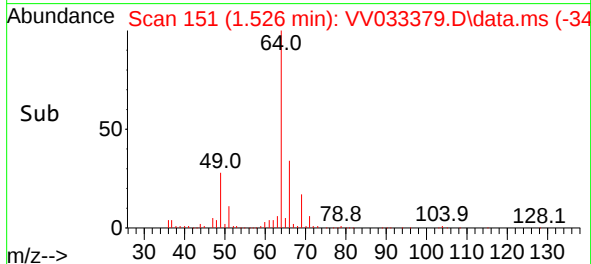
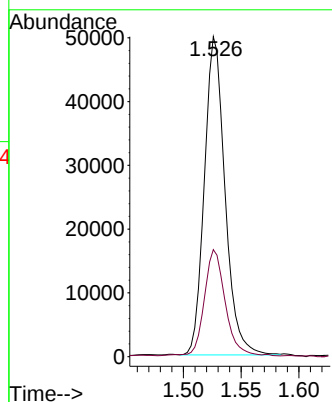
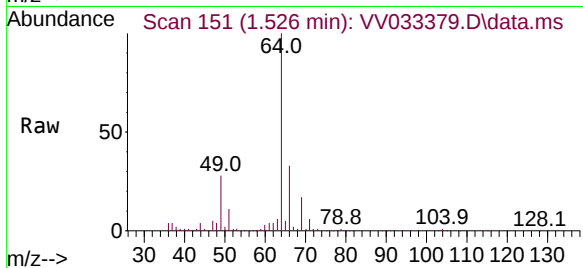




#8
Chloroethane
Concen: 47.133 ug/L
RT: 1.526 min Scan# 11
Delta R.T. -0.023 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

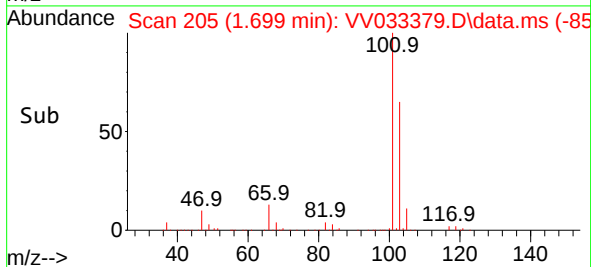
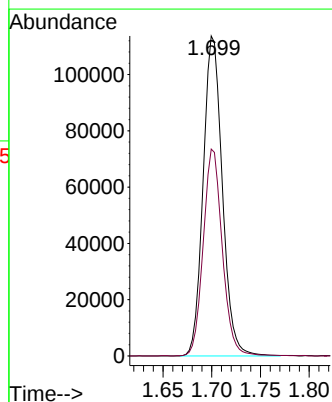
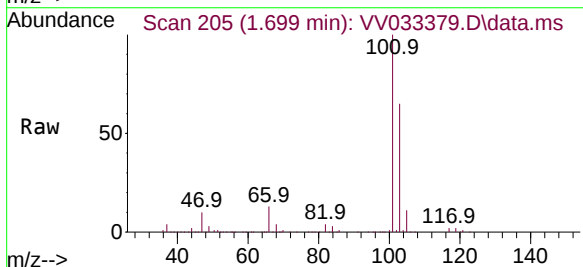
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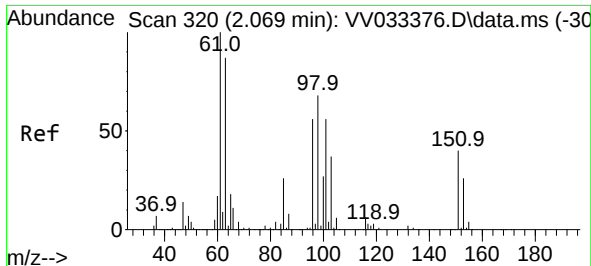
Tgt Ion: 64 Resp: 62133
Ion Ratio Lower Upper
64 100
66 33.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.478 ug/L
RT: 1.699 min Scan# 205
Delta R.T. -0.013 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion:101 Resp: 155720
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.4

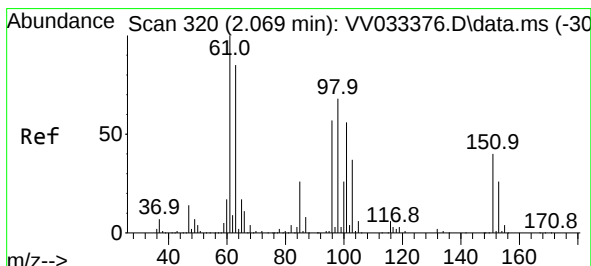
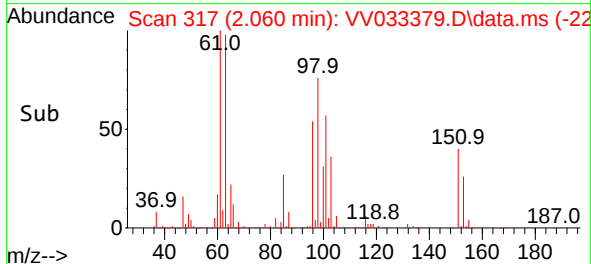
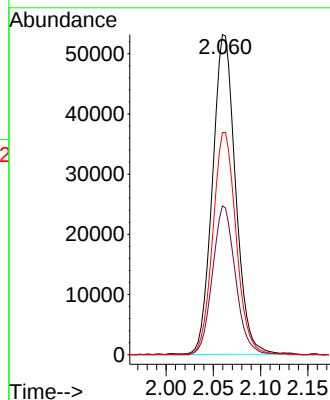
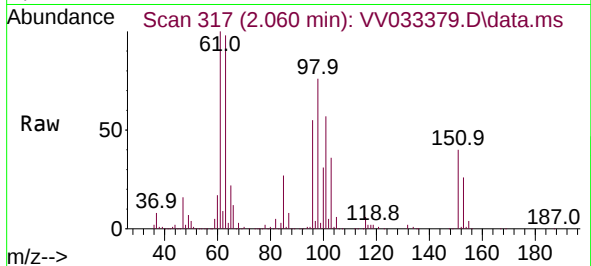




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.132 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. -0.010 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

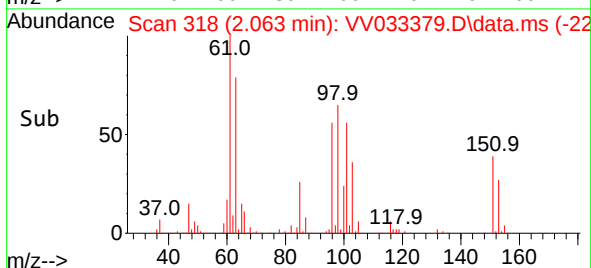
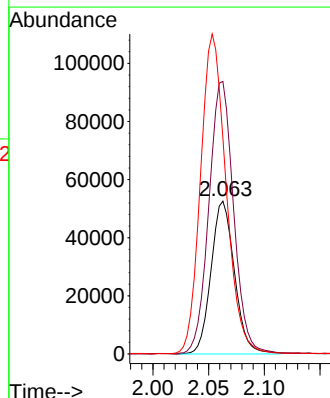
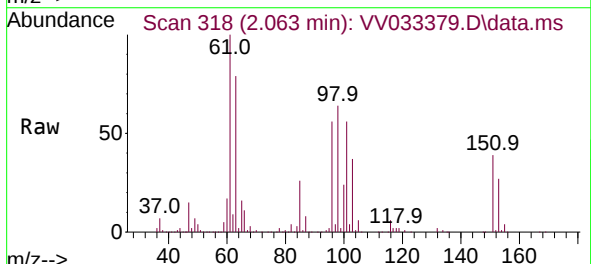
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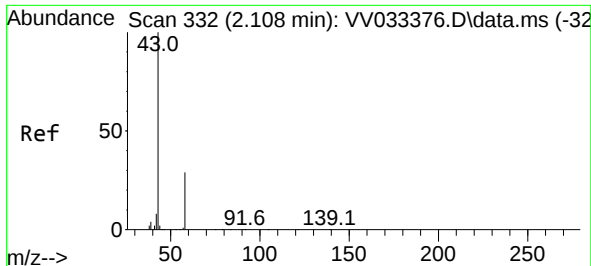
Tgt Ion:101 Resp: 90156
 Ion Ratio Lower Upper
 101 100
 85 46.1 36.6 54.8
 151 70.2 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 45.333 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.006 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Tgt Ion: 96 Resp: 76931
 Ion Ratio Lower Upper
 96 100
 61 178.4 124.3 230.8
 63 141.2 108.1 200.7





#13

Acetone

Concen: 97.570 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

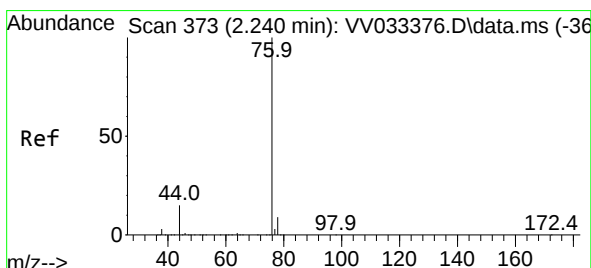
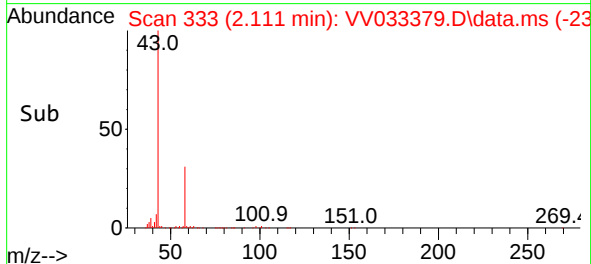
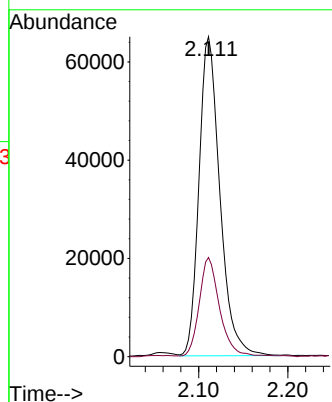
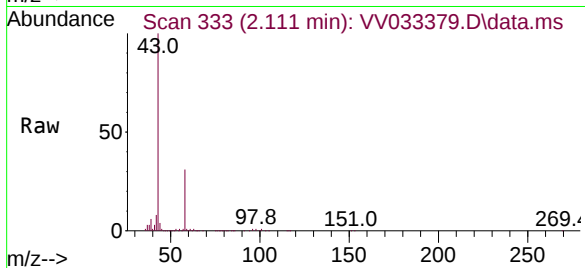
ClientSampleId :

Tgt Ion: 43 Resp: 105856

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 46.475 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.006 min

Lab File: VV033379.D

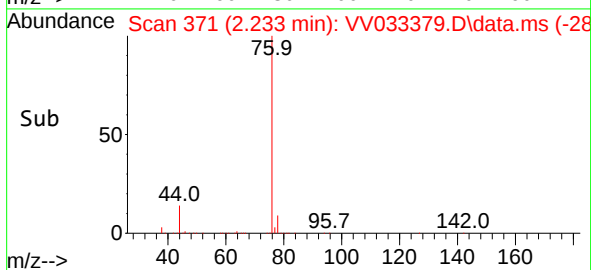
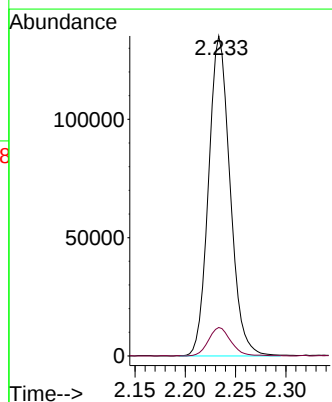
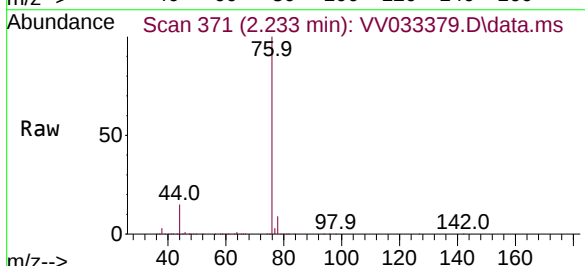
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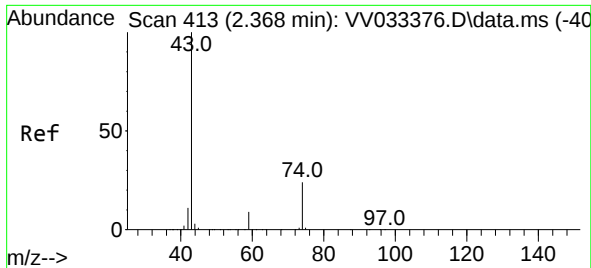
Tgt Ion: 76 Resp: 201546

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

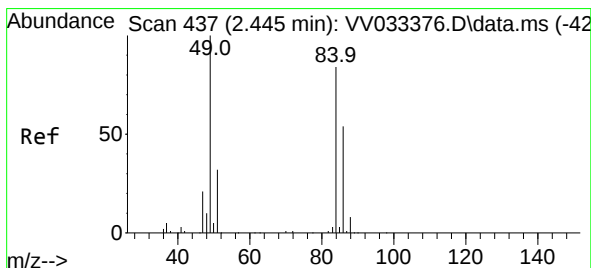
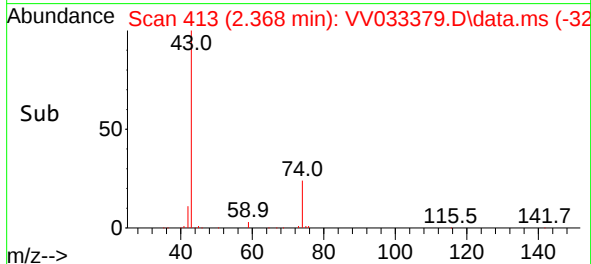
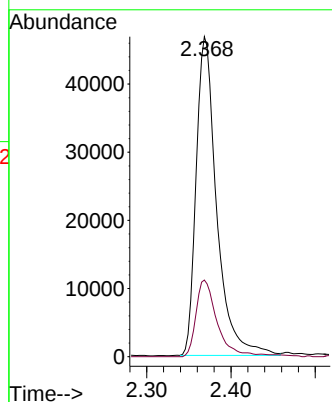
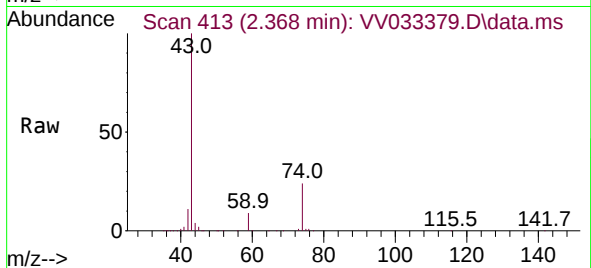




#15
Methyl Acetate
Concen: 51.192 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

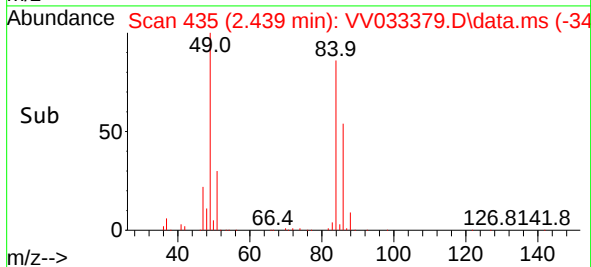
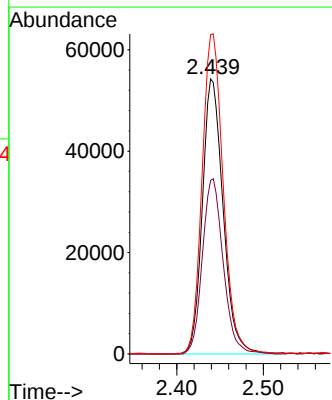
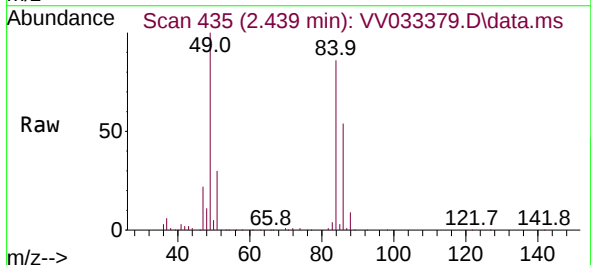
Instrument :
MSVOA_V
ClientSampleId :

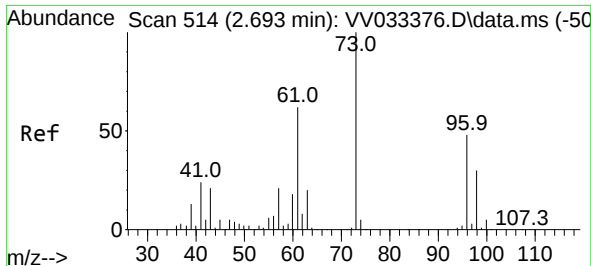
Tgt Ion: 43 Resp: 79319
Ion Ratio Lower Upper
43 100
74 24.0 20.8 31.2



#16
Methylene chloride
Concen: 47.556 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.006 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 84 Resp: 90134
Ion Ratio Lower Upper
84 100
86 63.1 45.4 84.2
49 116.1 83.3 154.7

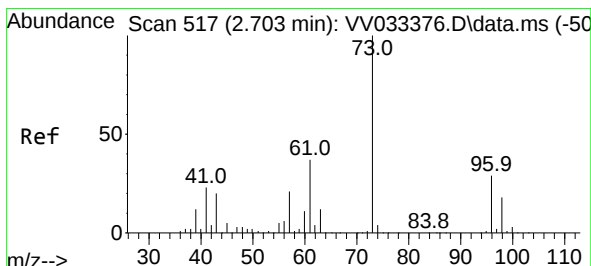
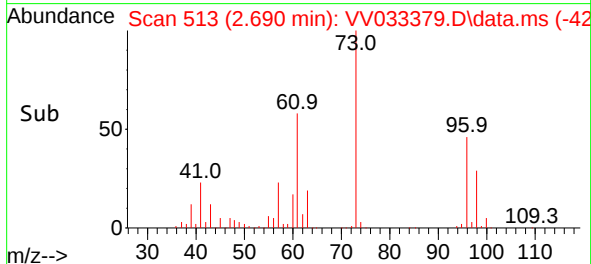
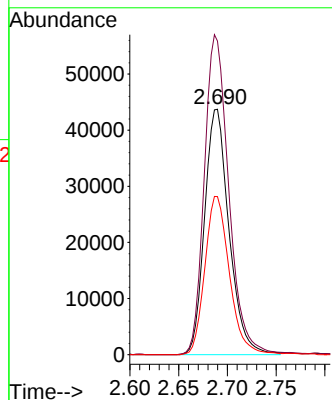
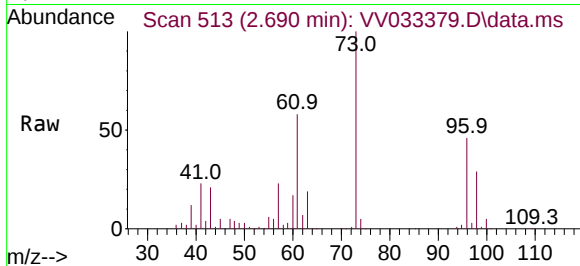




#17
trans-1,2-Dichloroethene
Concen: 47.685 ug/L
RT: 2.690 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

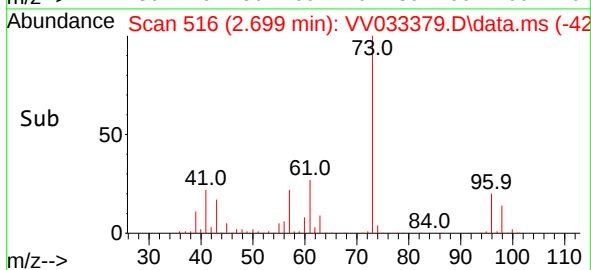
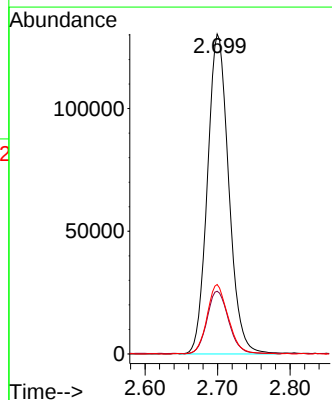
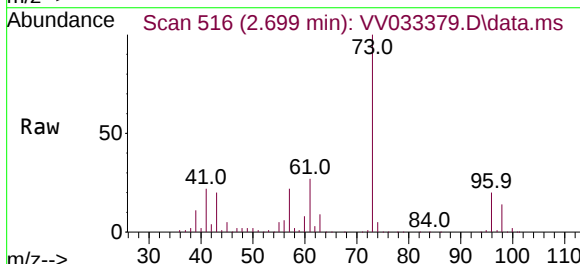
Instrument :
MSVOA_V
ClientSampleId :

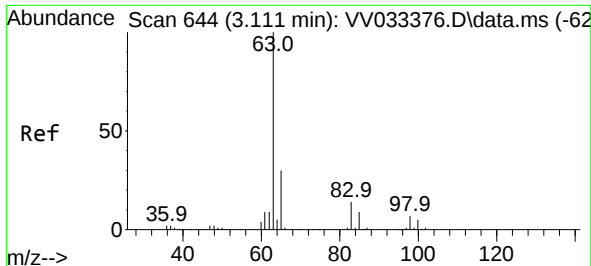
Tgt Ion: 96 Resp: 76488
Ion Ratio Lower Upper
96 100
61 127.8 89.6 166.4
98 64.4 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 54.762 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 73 Resp: 266750
Ion Ratio Lower Upper
73 100
43 19.6 16.3 24.5
57 21.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 48.210 ug/L

RT: 3.105 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

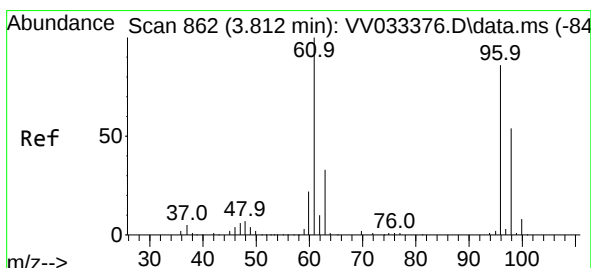
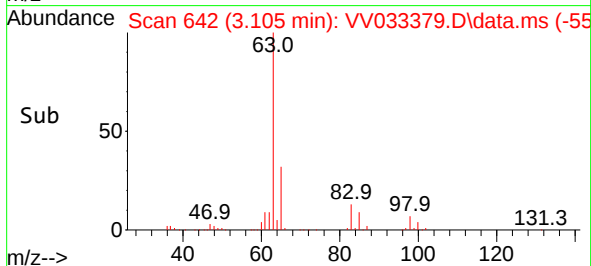
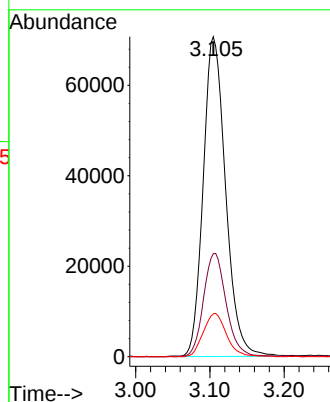
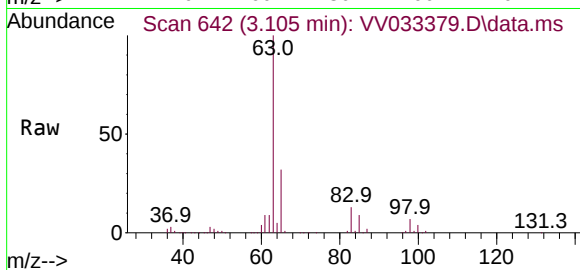
Tgt Ion: 63 Resp: 148212

Ion Ratio Lower Upper

63 100

65 32.2 21.1 39.3

83 13.4 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 49.095 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

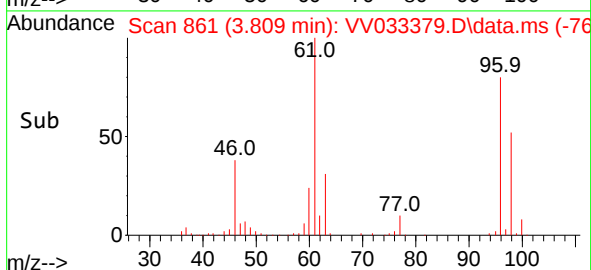
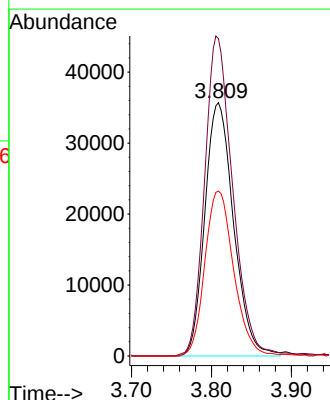
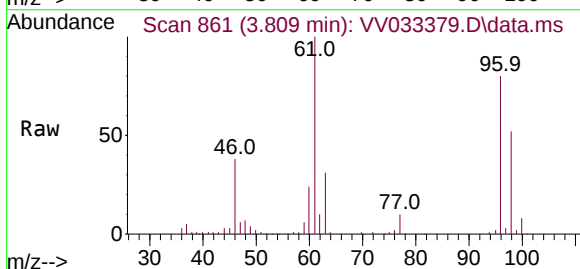
Tgt Ion: 96 Resp: 89288

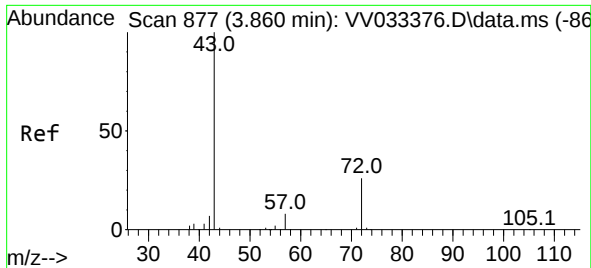
Ion Ratio Lower Upper

96 100

61 125.2 81.9 152.1

98 65.1 44.3 82.3

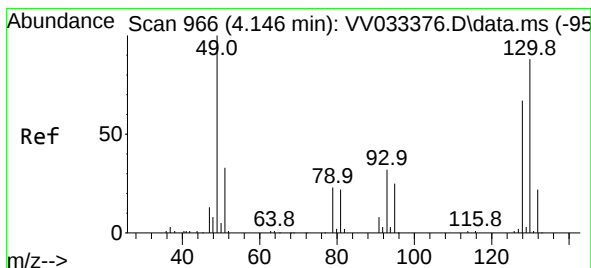
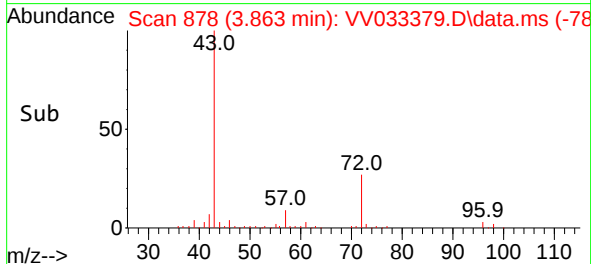
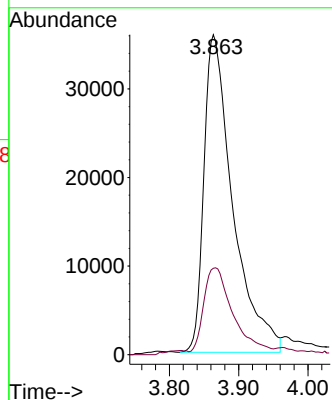
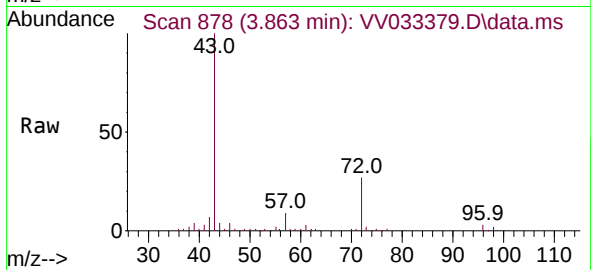




#22
2-Butanone
Concen: 97.038 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

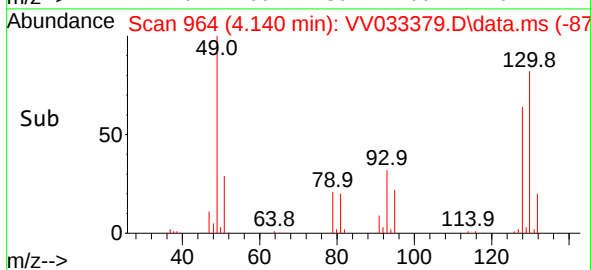
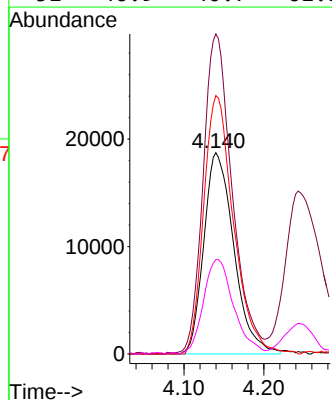
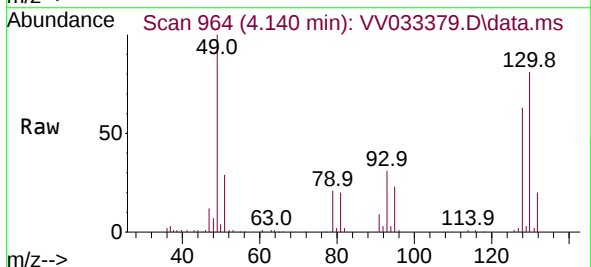
Instrument :
MSVOA_V
ClientSampleId :

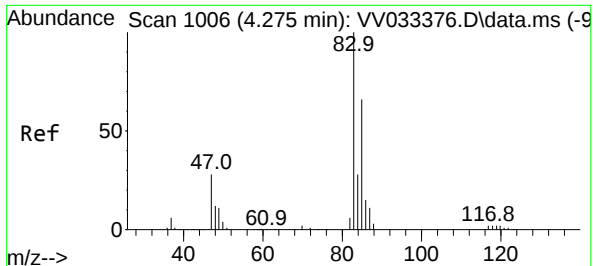
Tgt Ion: 43 Resp: 103722
Ion Ratio Lower Upper
43 100
72 26.0 12.4 37.4



#23
Bromochloromethane
Concen: 49.023 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.006 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 128 Resp: 48869
Ion Ratio Lower Upper
128 100
49 159.0 106.0 196.9
130 128.4 93.6 173.8
51 46.9 40.7 61.1





#25

Chloroform

Concen: 47.879 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.006 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

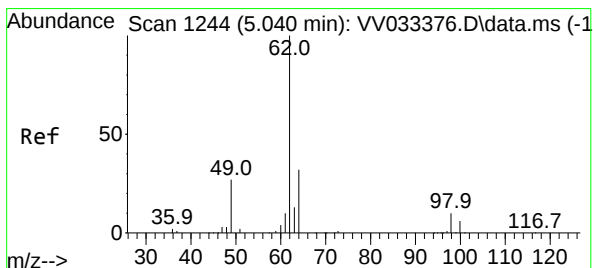
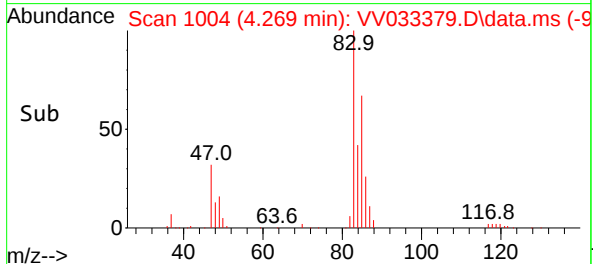
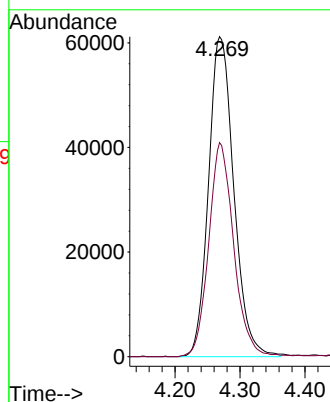
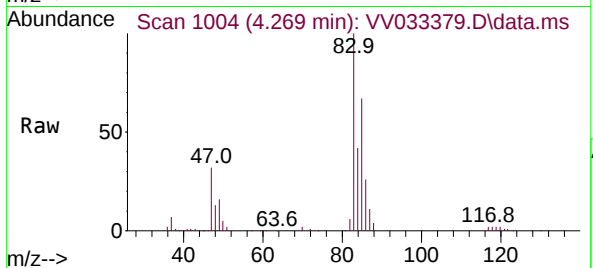
ClientSampleId :

Tgt Ion: 83 Resp: 165647

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 50.954 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033379.D

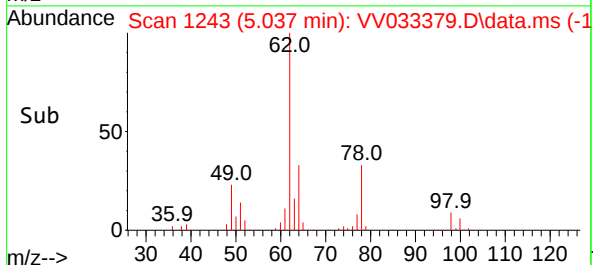
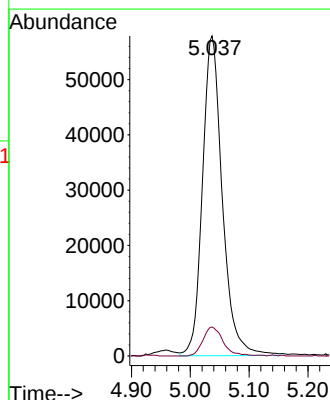
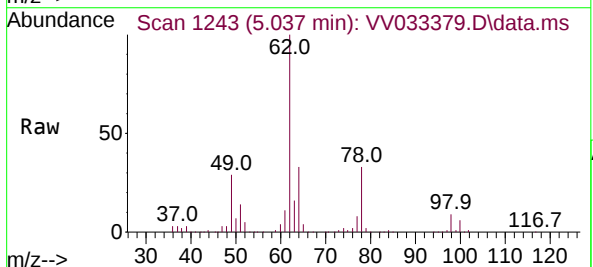
Acq: 15 Dec 2023 15:33

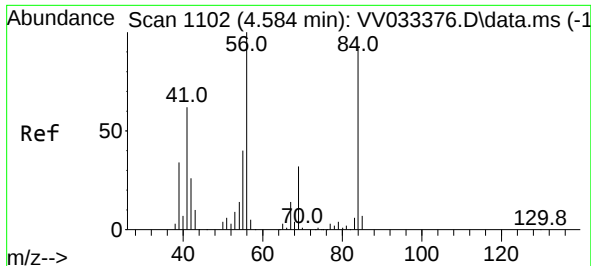
Tgt Ion: 62 Resp: 135886

Ion Ratio Lower Upper

62 100

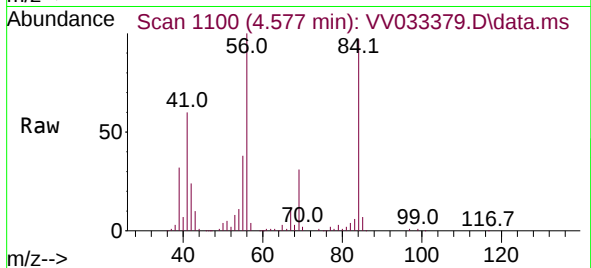
98 9.1 8.0 12.0



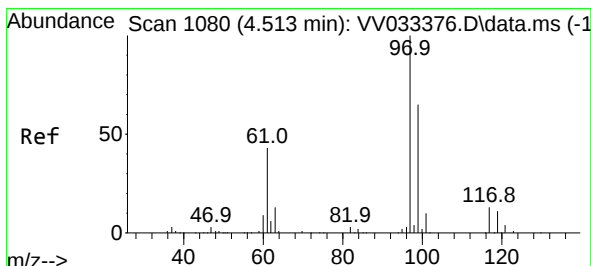
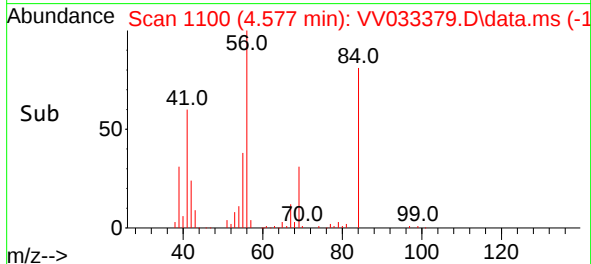
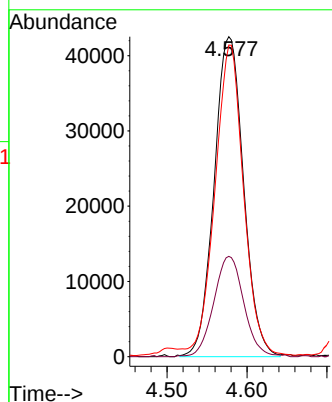


#29
Cyclohexane
Concen: 50.165 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Instrument :
MSVOA_V
ClientSampleId :

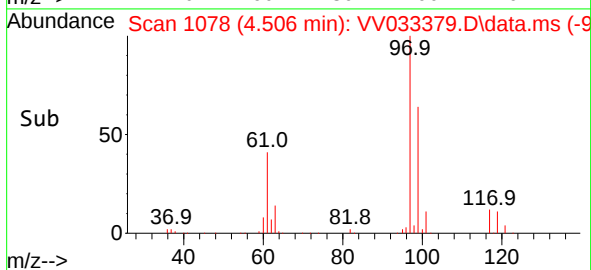
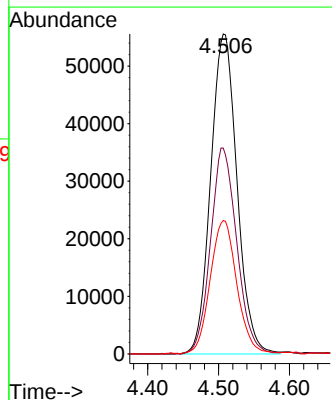
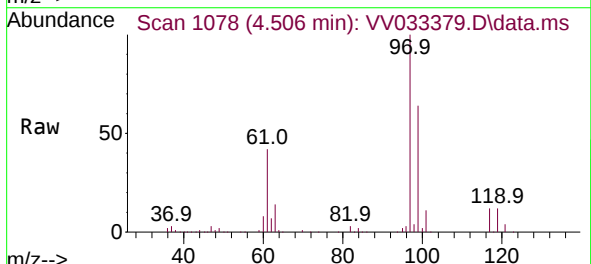


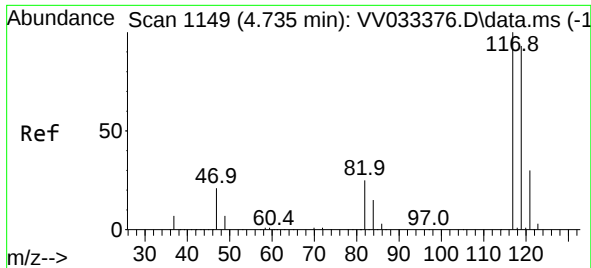
Tgt Ion: 56 Resp: 108905
Ion Ratio Lower Upper
56 100
69 31.8 25.8 38.6
84 93.5 75.2 112.8



#30
1,1,1-Trichloroethane
Concen: 48.317 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. -0.006 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 97 Resp: 143692
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 42.4 34.8 52.2

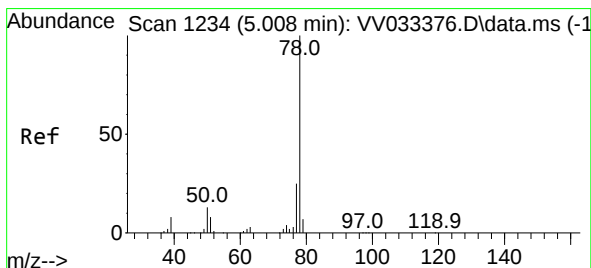
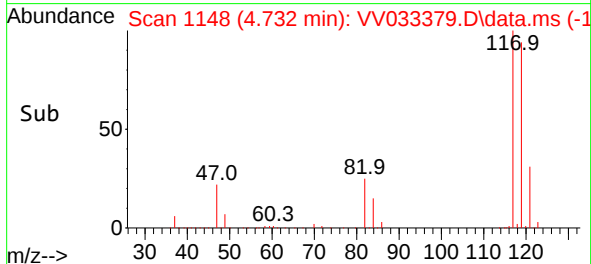
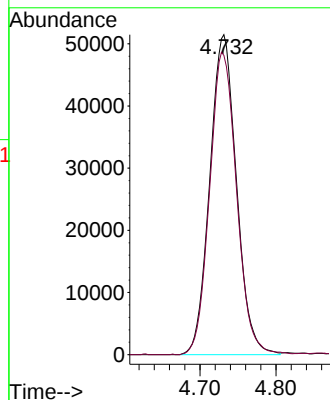
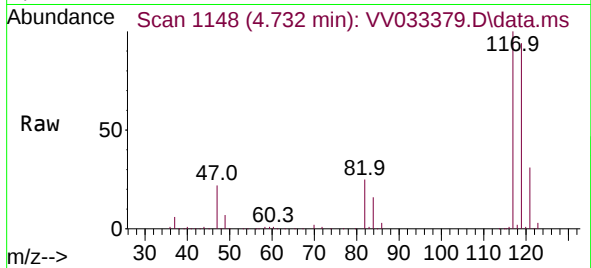




#31
Carbon tetrachloride
Concen: 47.134 ug/L
RT: 4.732 min Scan# 1148
Delta R.T. -0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

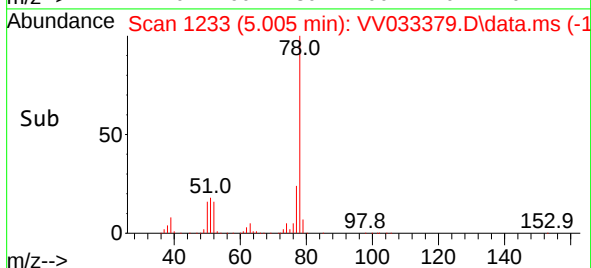
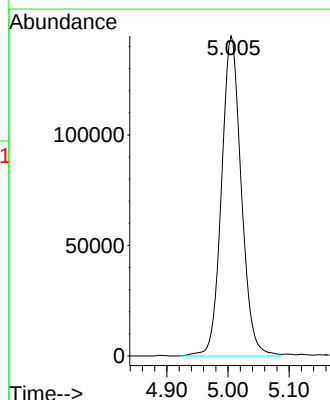
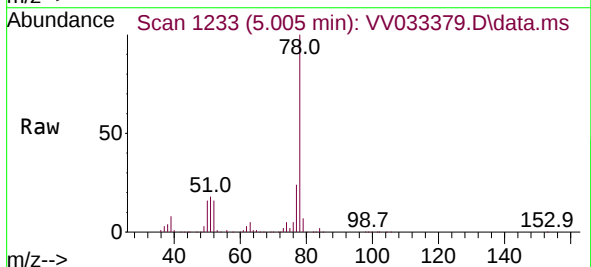
Instrument :
MSVOA_V
ClientSampleId :

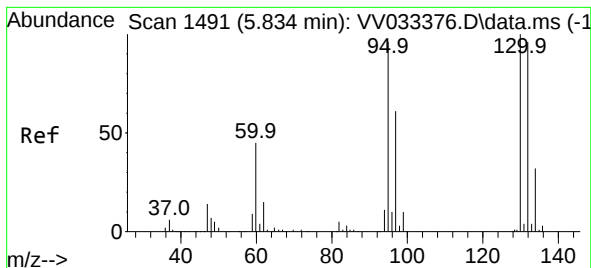
Tgt Ion:117 Resp: 125447
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6



#33
Benzene
Concen: 50.654 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 78 Resp: 325205





#34

Trichloroethene

Concen: 49.675 ug/L

RT: 5.828 min Scan# 1491

Delta R.T. -0.006 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 87495

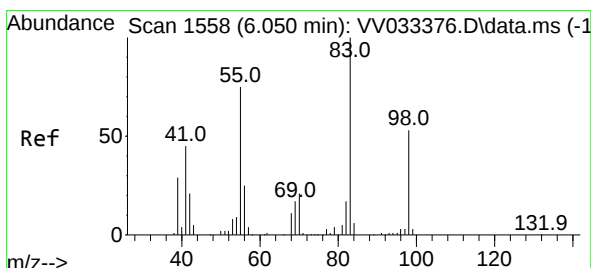
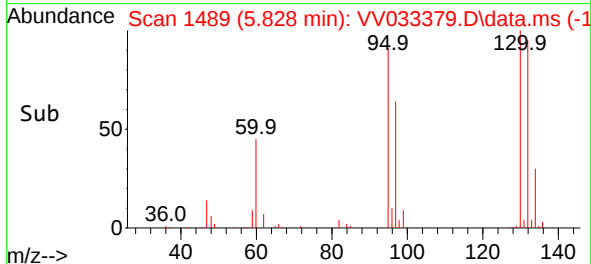
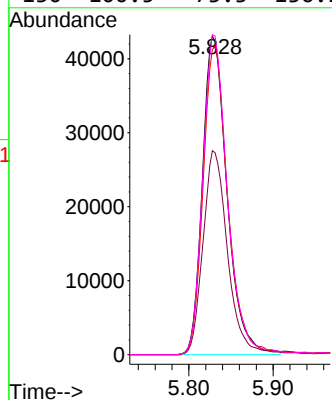
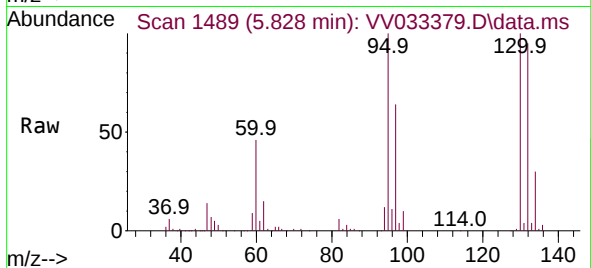
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 95.7 69.9 129.7

130 100.5 73.3 136.1



#35

Methylcyclohexane

Concen: 48.048 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

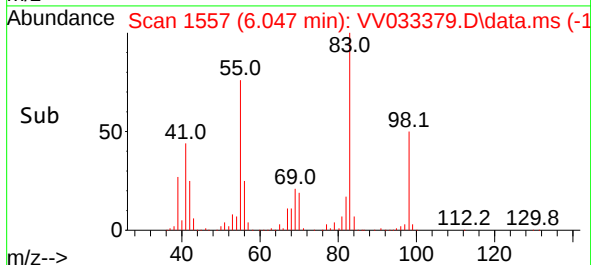
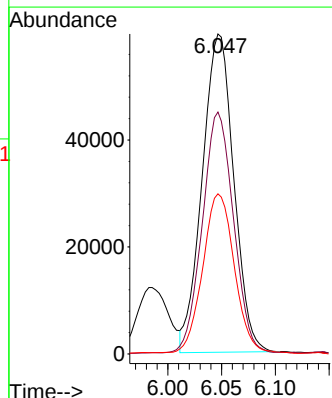
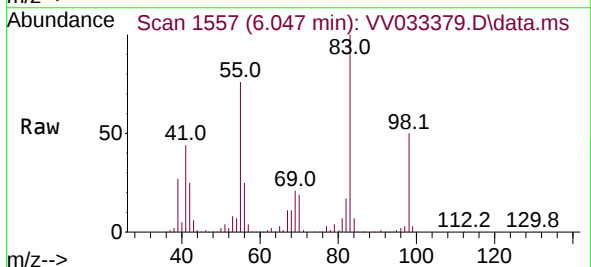
Tgt Ion: 83 Resp: 121382

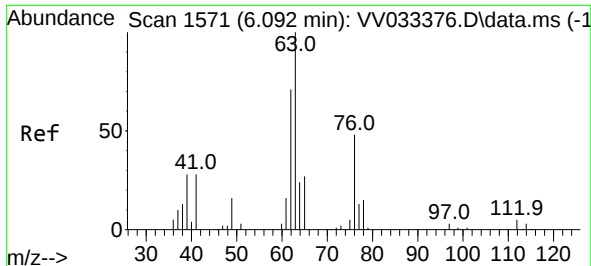
Ion Ratio Lower Upper

83 100

55 75.9 58.6 88.0

98 51.1 40.9 61.3





#37

1,2-Dichloropropane

Concen: 49.228 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

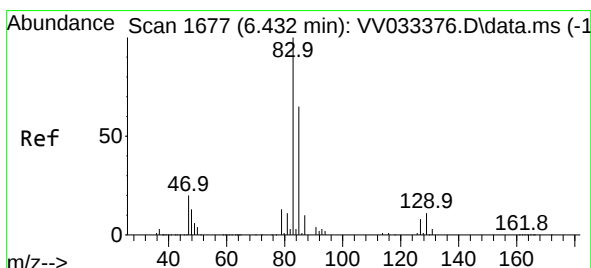
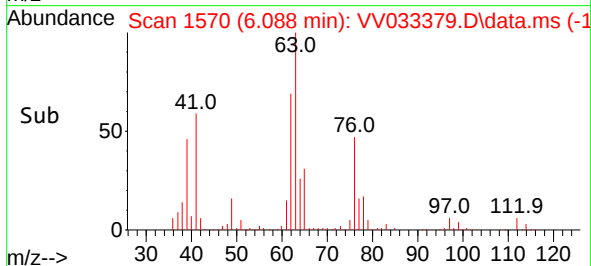
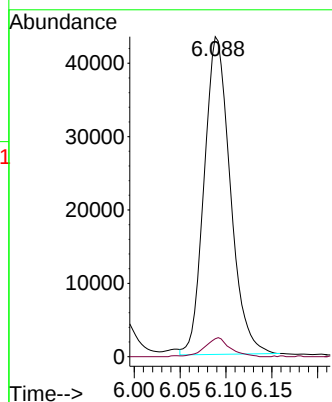
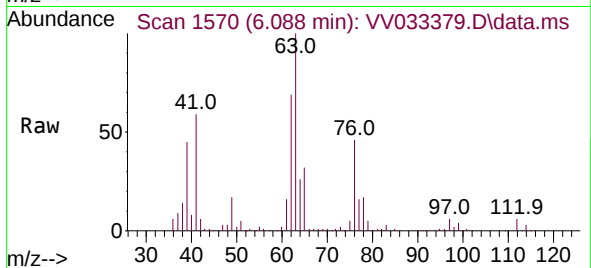
ClientSampleId :

Tgt Ion: 63 Resp: 85711

Ion Ratio Lower Upper

63 100

112 5.7 3.7 5.5#



#38

Bromodichloromethane

Concen: 50.924 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

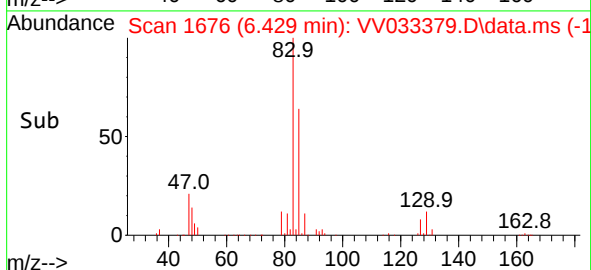
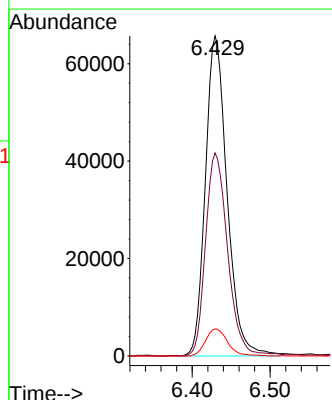
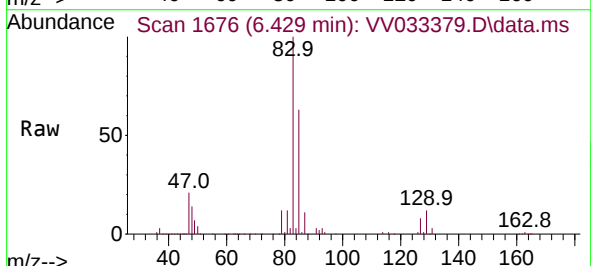
Tgt Ion: 83 Resp: 127612

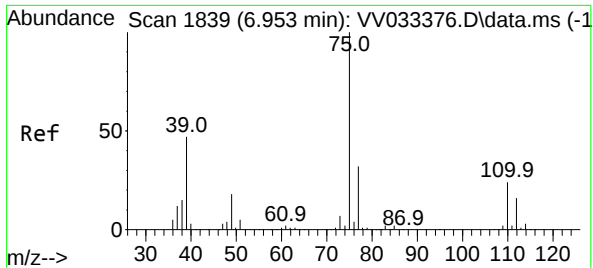
Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

127 8.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 55.618 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

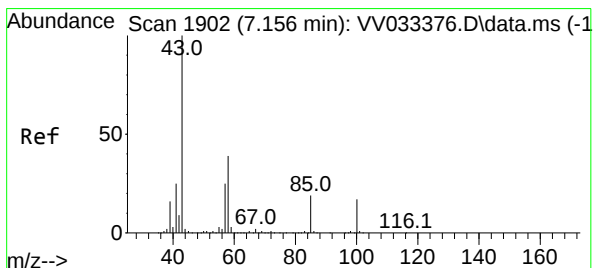
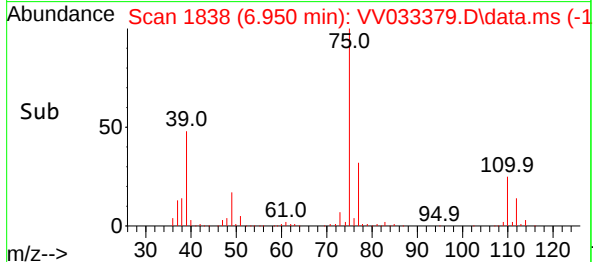
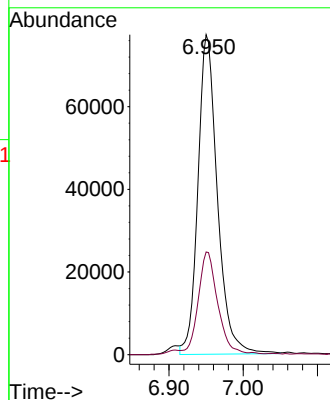
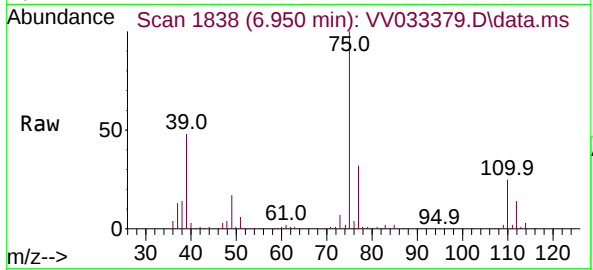
ClientSampleId :

Tgt Ion: 75 Resp: 140878

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 116.165 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

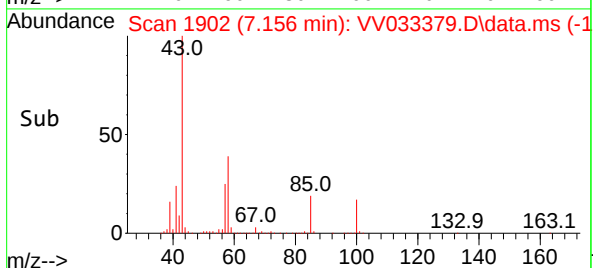
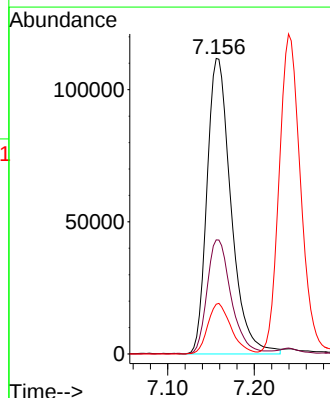
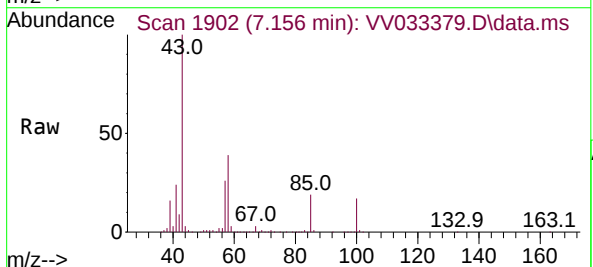
Tgt Ion: 43 Resp: 215839

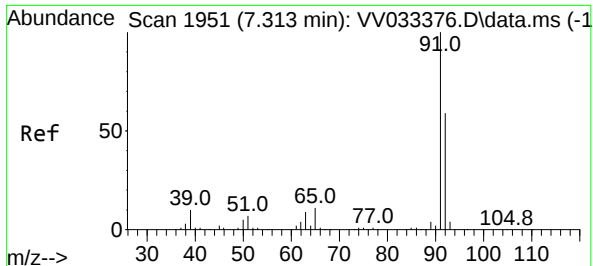
Ion Ratio Lower Upper

43 100

58 38.6 30.7 46.1

100 16.6 13.6 20.4





#42

Toluene

Concen: 51.978 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

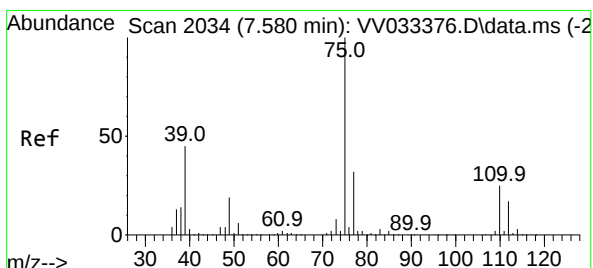
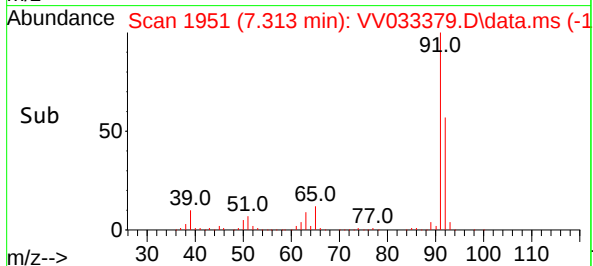
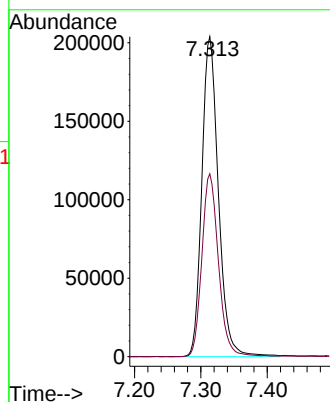
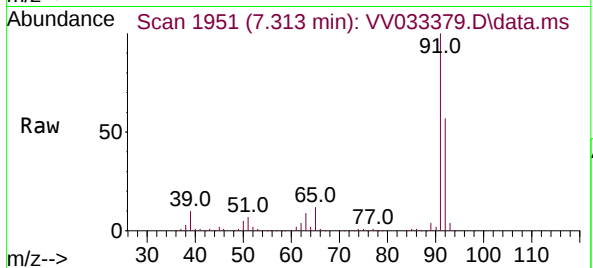
ClientSampleId :

Tgt Ion: 91 Resp: 353699

Ion Ratio Lower Upper

91 100

92 57.2 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 54.824 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033379.D

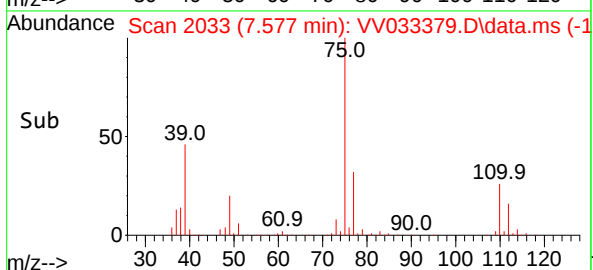
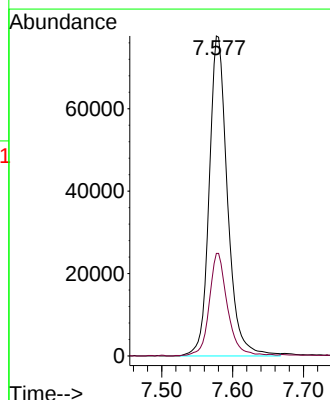
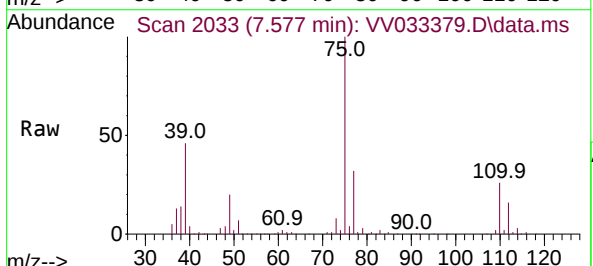
Acq: 15 Dec 2023 15:33

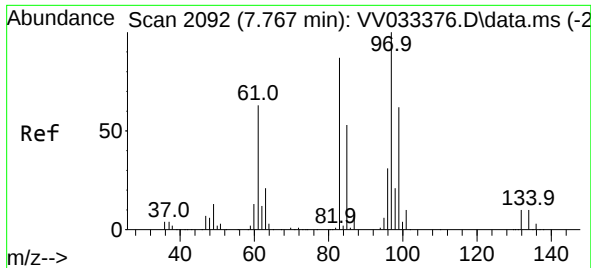
Tgt Ion: 75 Resp: 139348

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6

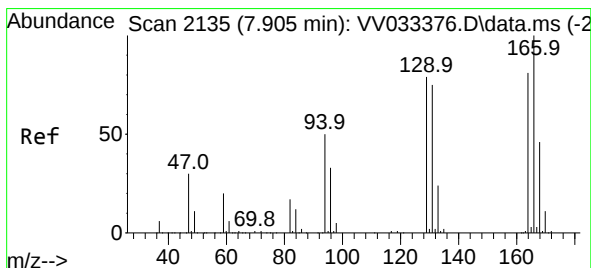
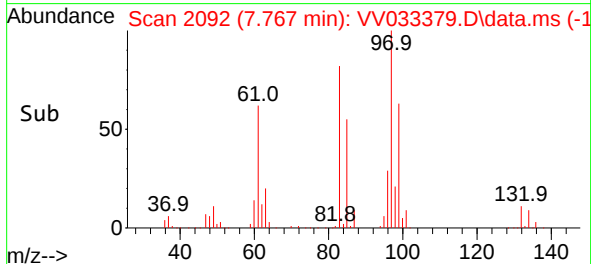
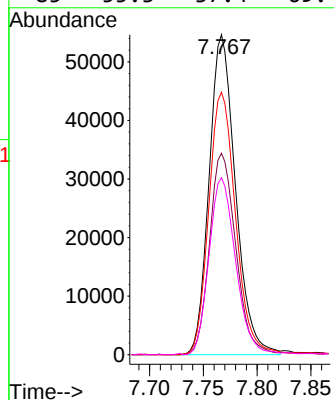
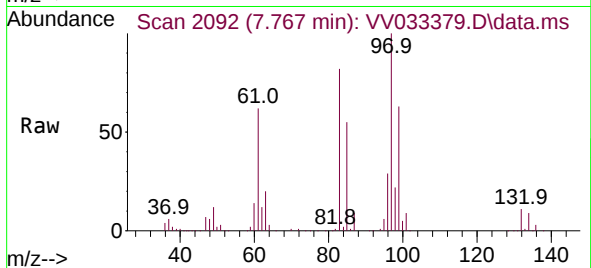




#45
1,1,2-Trichloroethane
Concen: 51.358 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

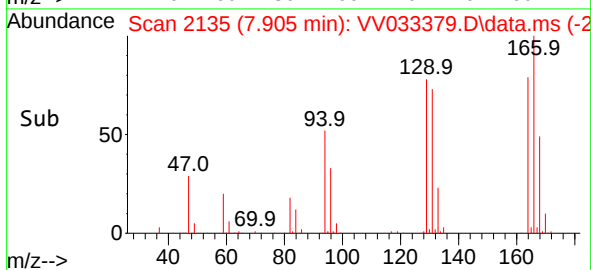
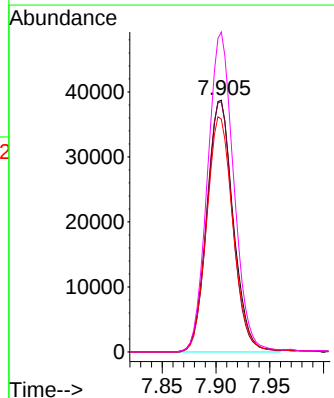
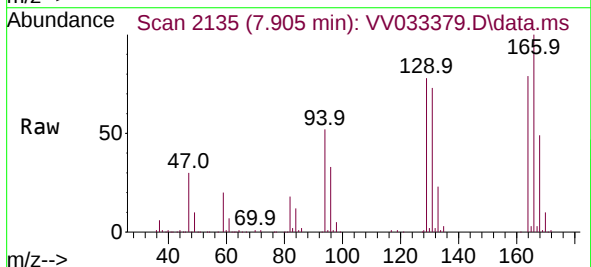
Instrument :
MSVOA_V
ClientSampleId :

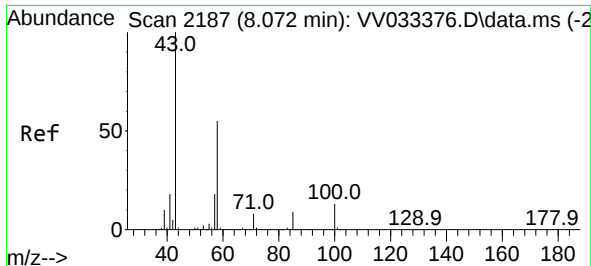
Tgt Ion:	97	Resp:	93201
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.5	80.7
83	82.0	61.0	113.4
85	55.3	37.4	69.4



#46
Tetrachloroethene
Concen: 47.634 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion:	164	Resp:	65557
Ion	Ratio	Lower	Upper
164	100		
129	99.4	68.9	127.9
131	92.5	65.3	121.3
166	127.1	86.9	161.3

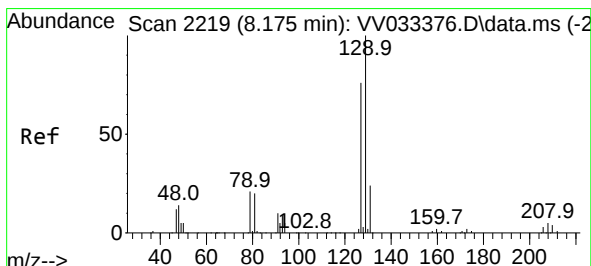
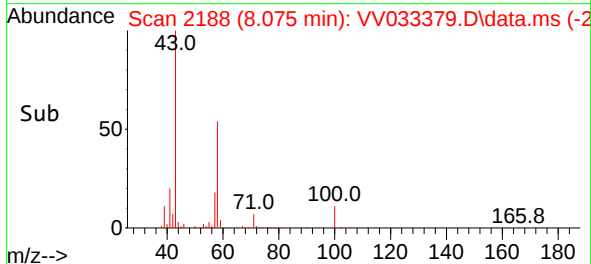
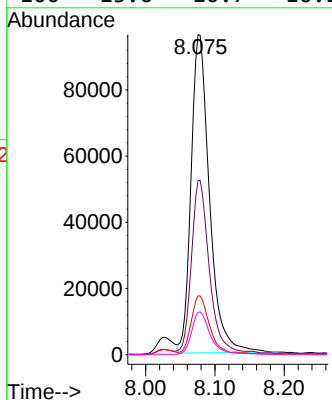
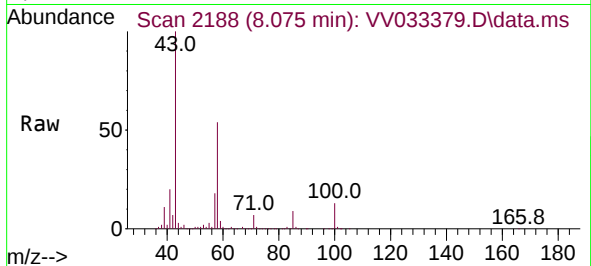




#48
2-Hexanone
Concen: 114.683 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

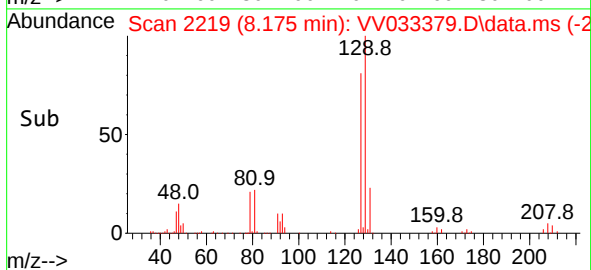
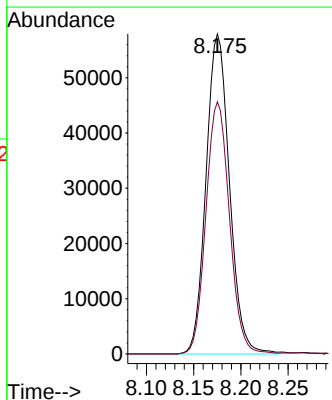
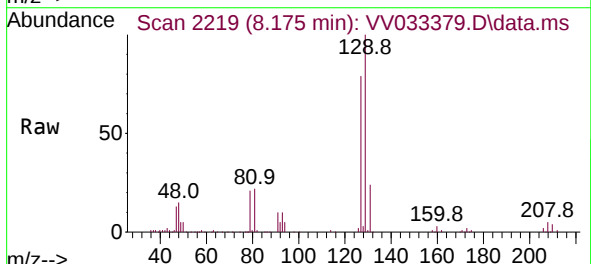
Instrument :
MSVOA_V
ClientSampleId :

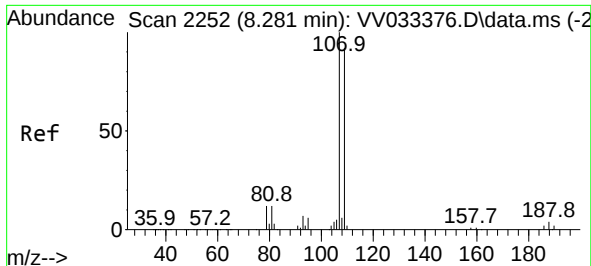
Tgt Ion: 43 Resp: 177726
Ion Ratio Lower Upper
43 100
58 51.6 43.0 64.6
57 17.3 14.7 22.1
100 13.6 10.7 16.1



#49
Dibromochloromethane
Concen: 52.040 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 129 Resp: 99861
Ion Ratio Lower Upper
129 100
127 78.8 53.3 98.9





#50

1,2-Dibromoethane

Concen: 52.078 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

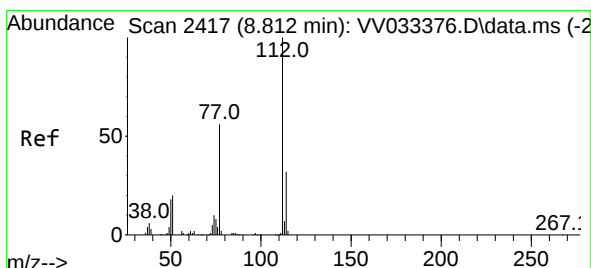
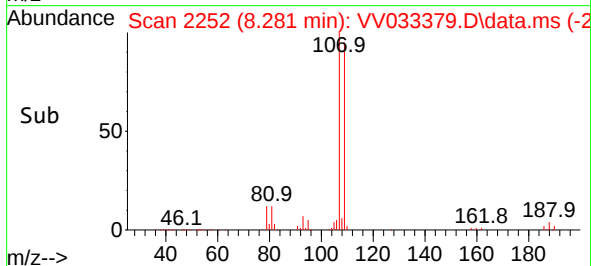
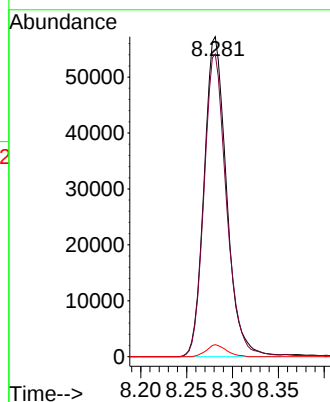
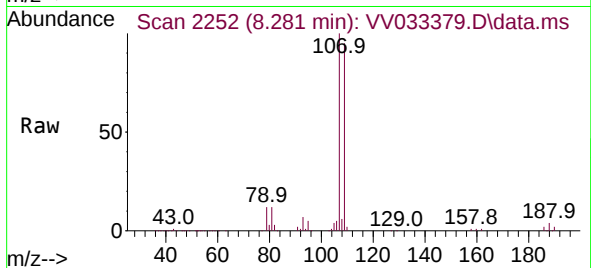
Tgt Ion:107 Resp: 97420

Ion Ratio Lower Upper

107 100

109 94.6 64.2 119.2

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 49.151 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

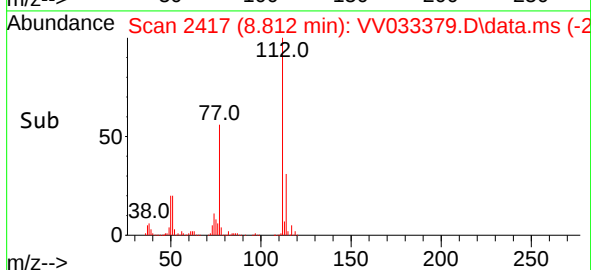
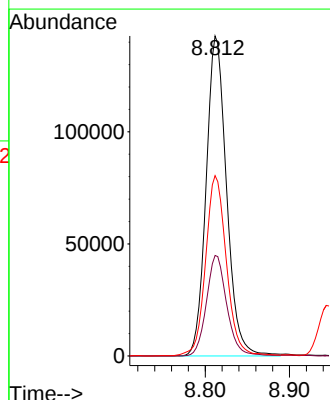
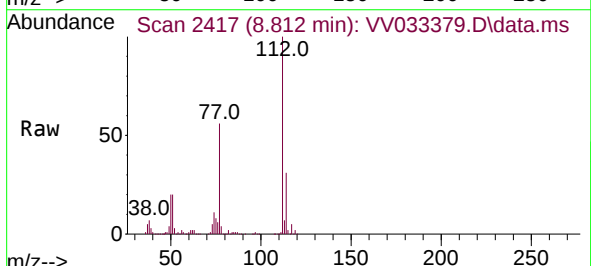
Tgt Ion:112 Resp: 241032

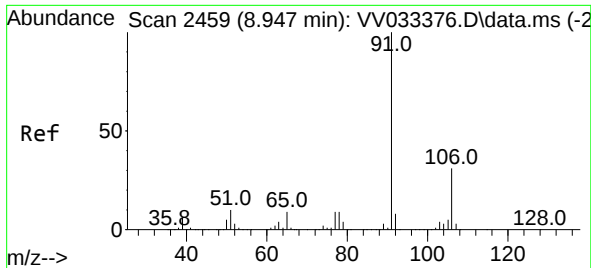
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 56.3 45.2 67.8

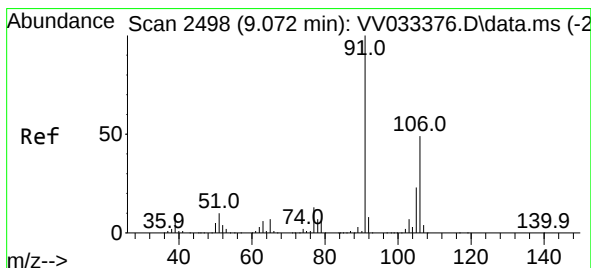
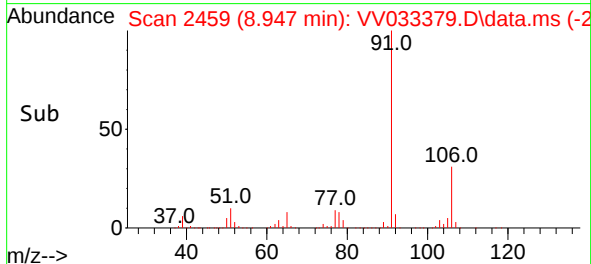
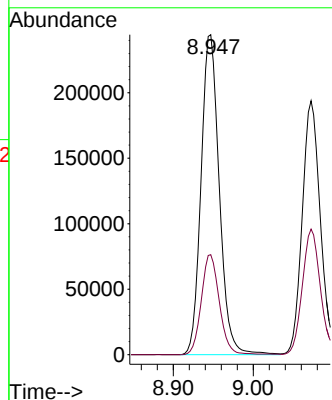
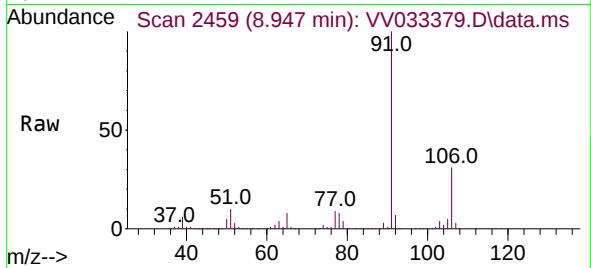




#52
Ethylbenzene
Concen: 51.220 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

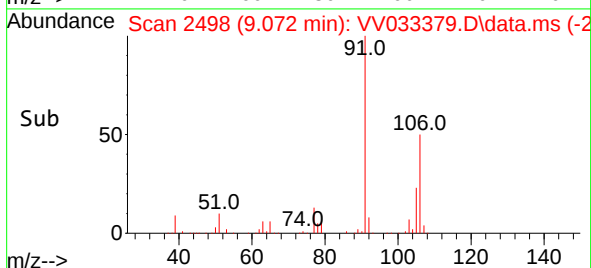
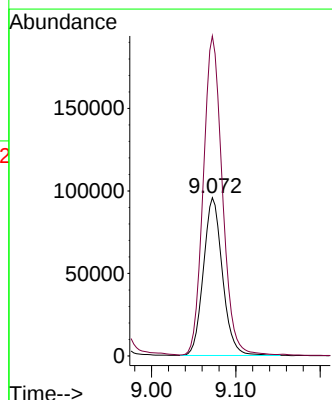
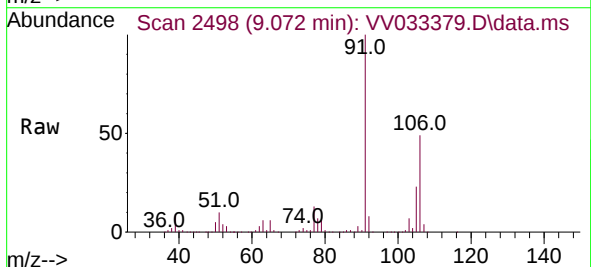
Instrument :
MSVOA_V
ClientSampleId :

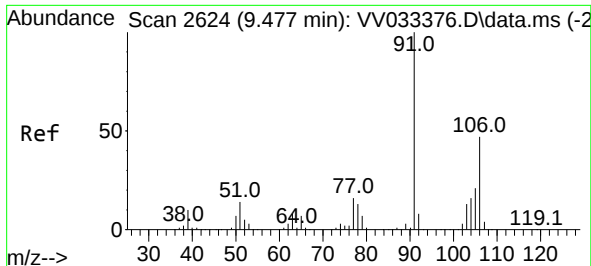
Tgt Ion: 91 Resp: 388160
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-Xylene
Concen: 52.847 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 106 Resp: 150466
Ion Ratio Lower Upper
106 100
91 202.2 143.0 265.6

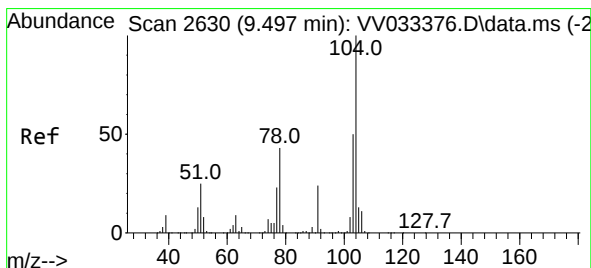
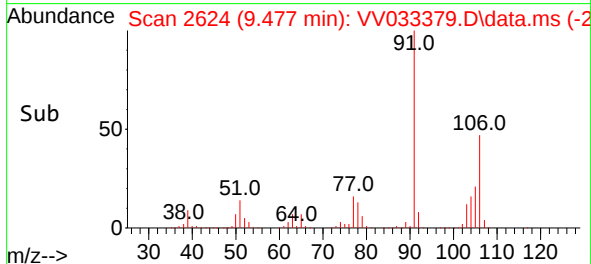
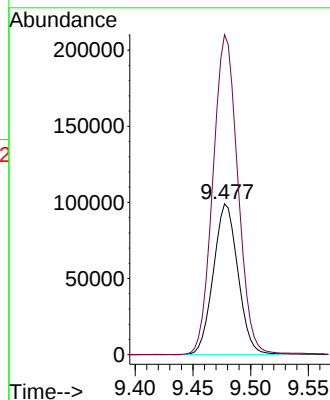
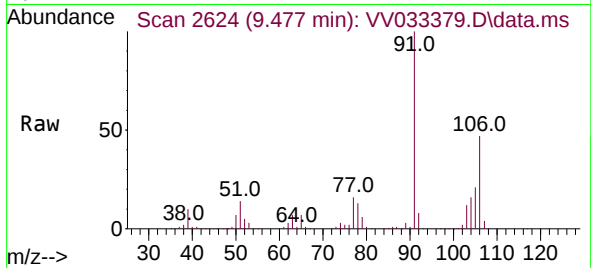




#54
o-Xylene
Concen: 53.185 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

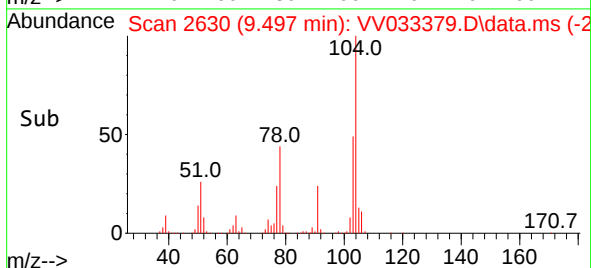
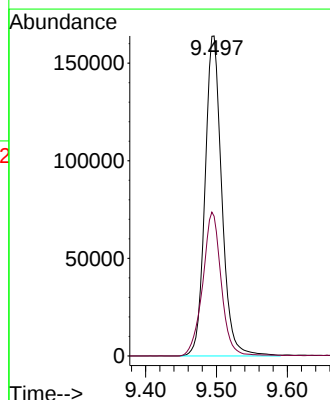
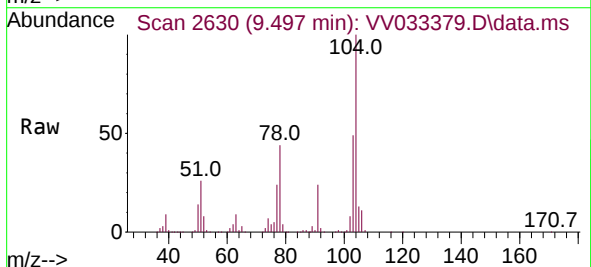
Instrument :
MSVOA_V
ClientSampleId :

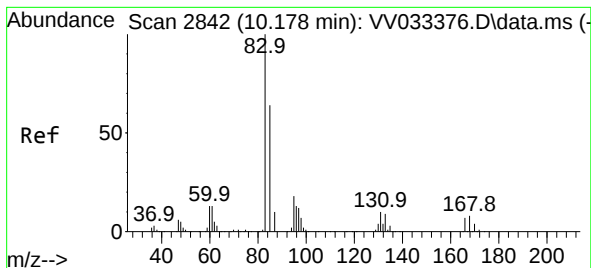
Tgt Ion:106 Resp: 147037
Ion Ratio Lower Upper
106 100
91 212.1 149.7 278.1



#55
Styrene
Concen: 55.298 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion:104 Resp: 269808
Ion Ratio Lower Upper
104 100
78 43.7 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 54.551 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

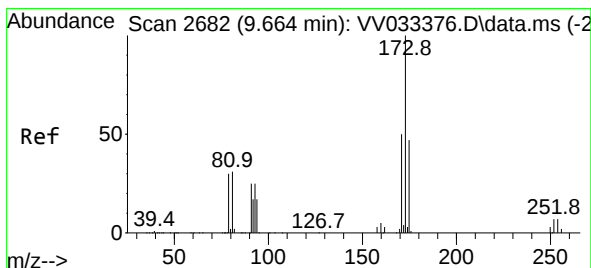
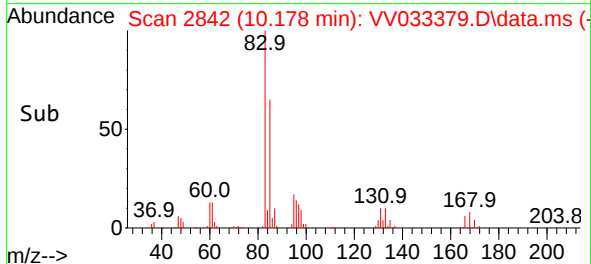
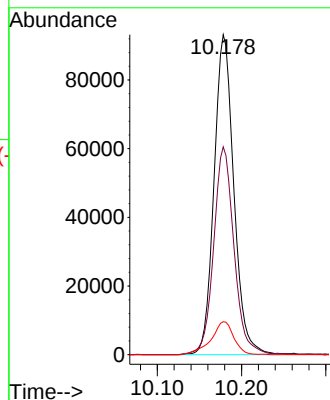
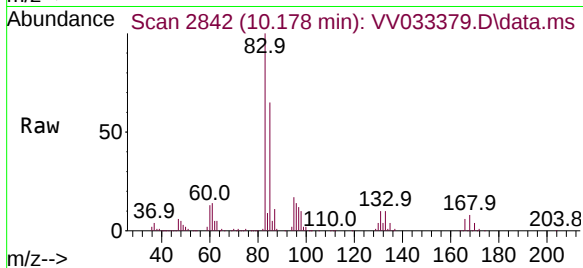
Tgt Ion: 83 Resp: 152039

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2

131 10.3 8.6 12.8



#59

Bromoform

Concen: 53.498 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

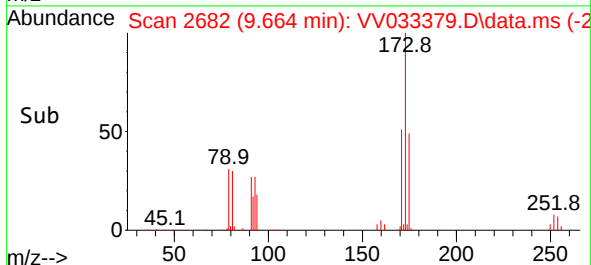
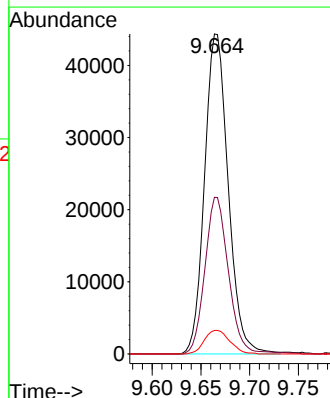
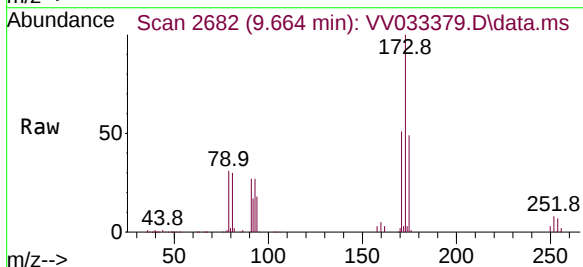
Tgt Ion: 173 Resp: 74928

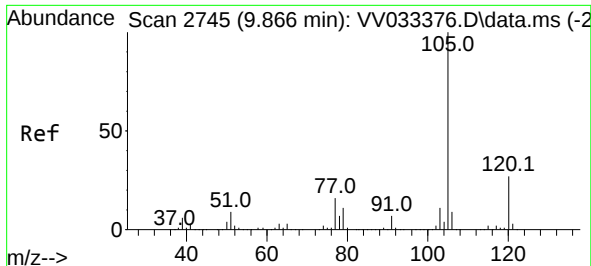
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 7.9 5.8 8.8

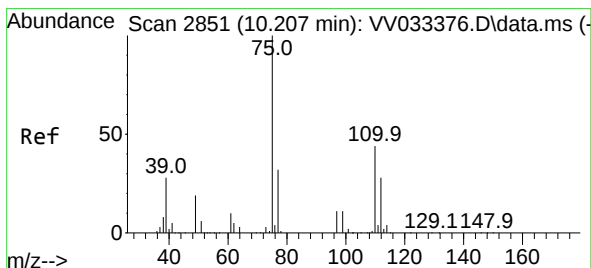
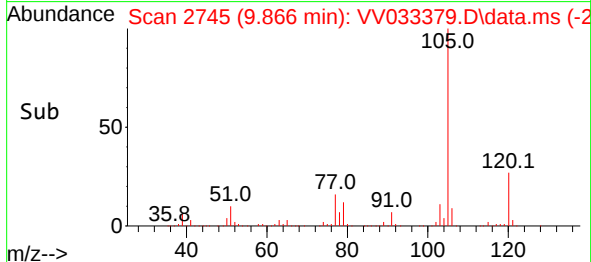
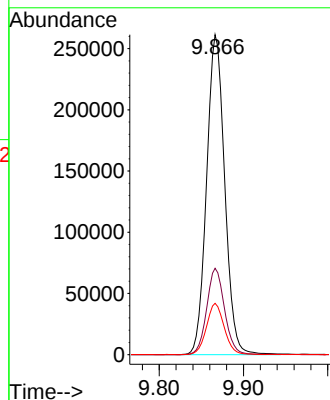
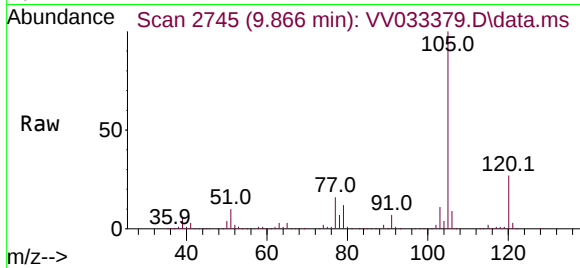




#60
Isopropylbenzene
Concen: 50.875 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

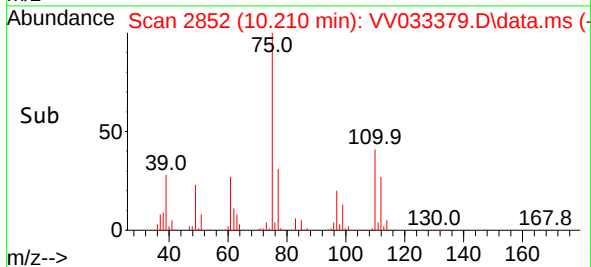
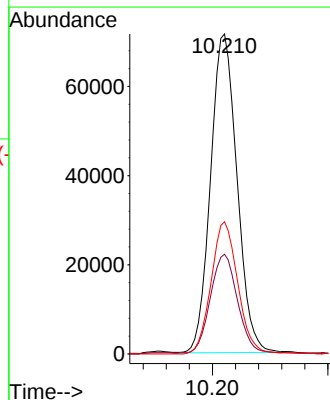
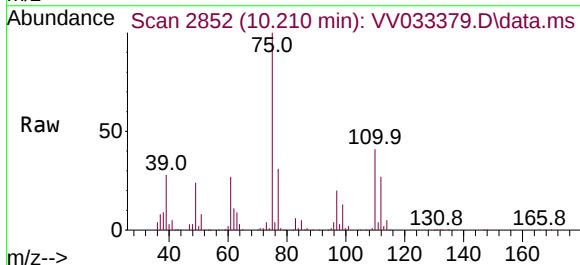
Instrument :
MSVOA_V
ClientSampleId :

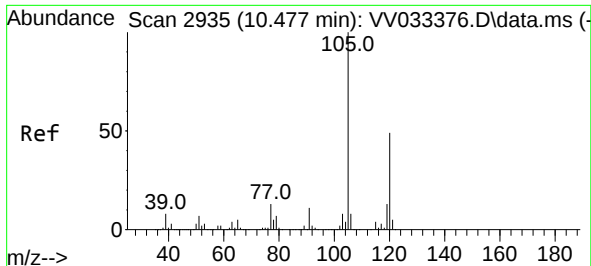
Tgt Ion:105 Resp: 392201
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 15.7 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 52.214 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion: 75 Resp: 113611
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 41.8 33.9 50.9

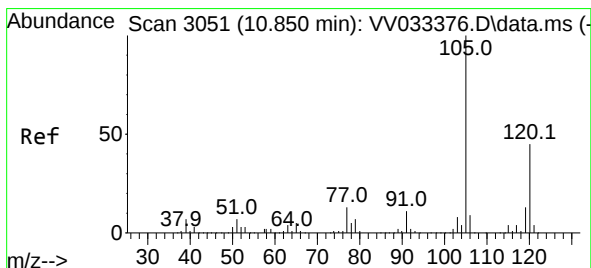
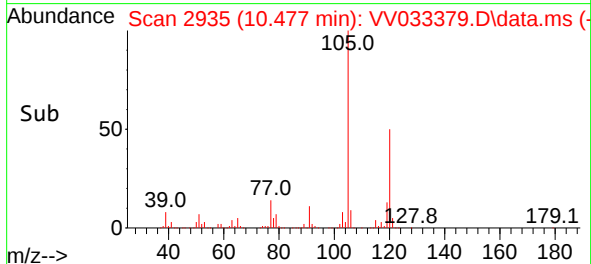
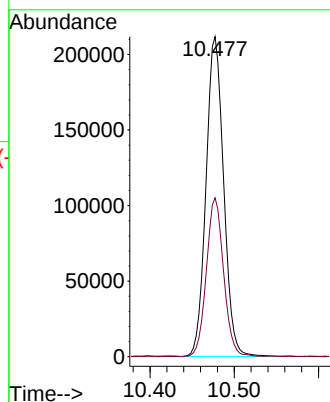
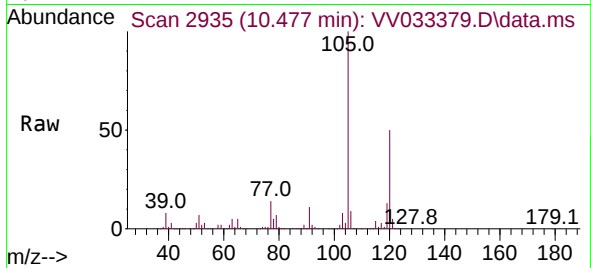




#62
 1,3,5-Trimethylbenzene
 Concen: 52.857 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

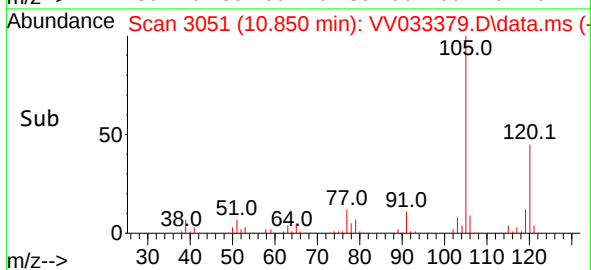
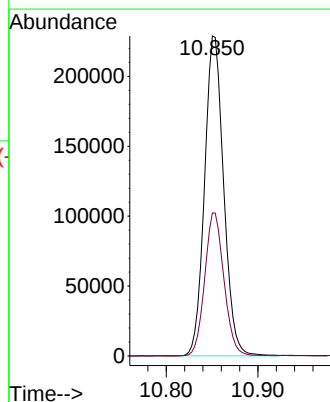
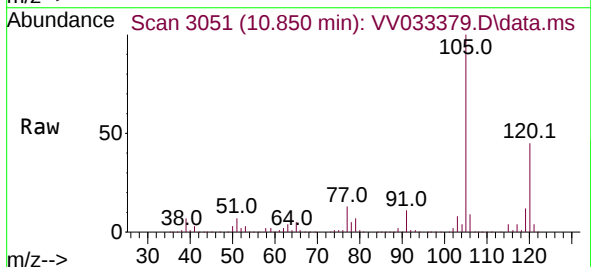
Instrument :
 MSVOA_V
 ClientSampleId :

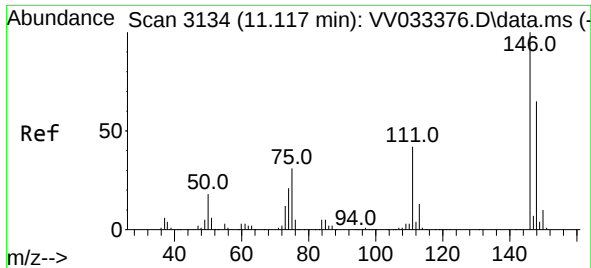
Tgt Ion:105 Resp: 308828
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 54.653 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Tgt Ion:105 Resp: 331640
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.2 54.4

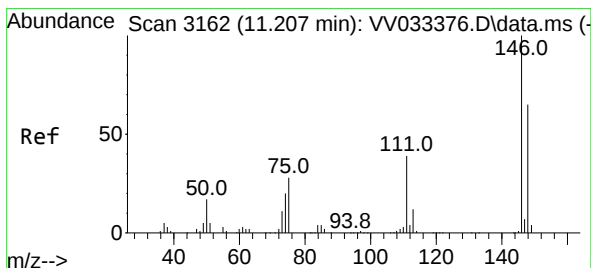
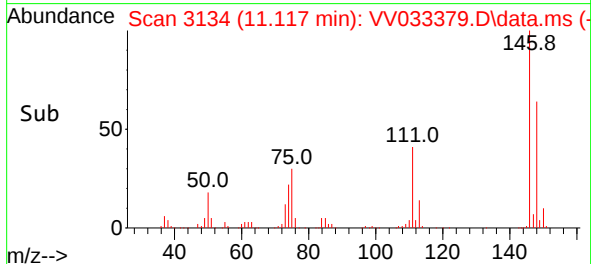
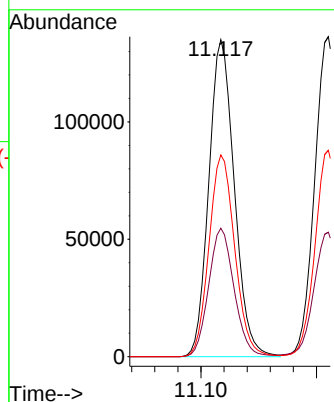
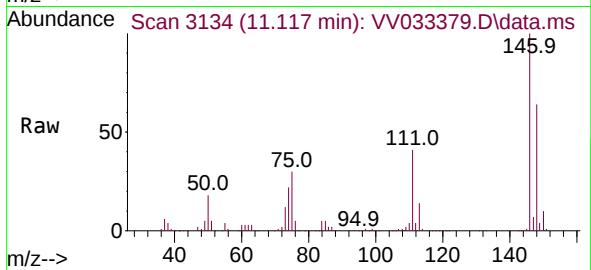




#64
1,3-Dichlorobenzene
Concen: 51.640 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

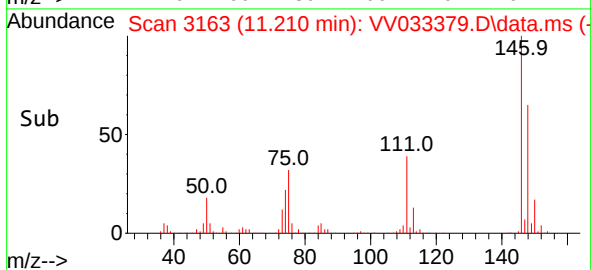
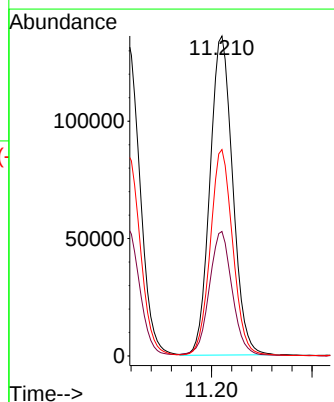
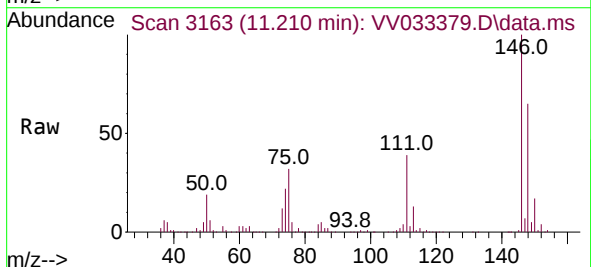
Instrument :
MSVOA_V
ClientSampleId :

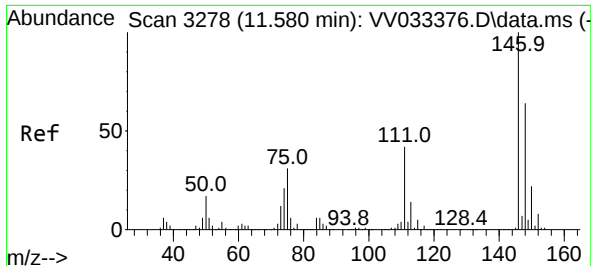
Tgt Ion:146 Resp: 206907
Ion Ratio Lower Upper
146 100
111 40.5 29.3 54.5
148 63.6 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 49.618 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

Tgt Ion:146 Resp: 213966
Ion Ratio Lower Upper
146 100
111 38.9 27.9 51.7
148 64.5 45.5 84.5

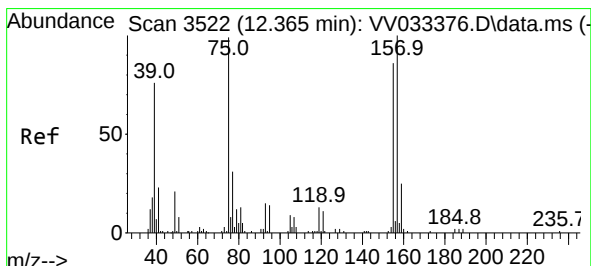
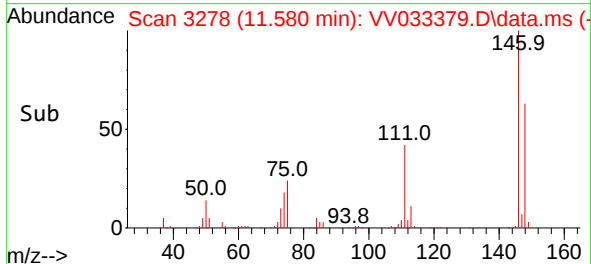
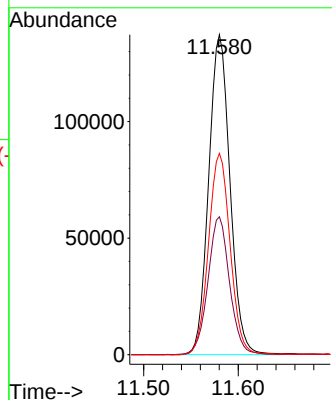
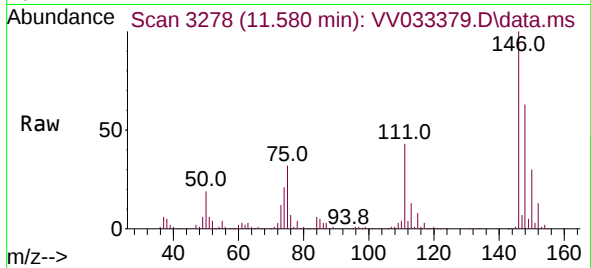




#67
1,2-Dichlorobenzene
Concen: 51.568 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

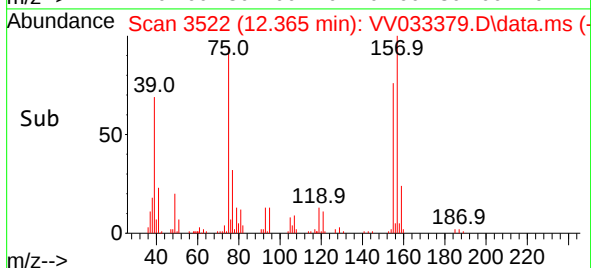
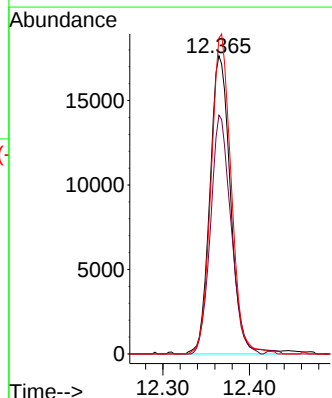
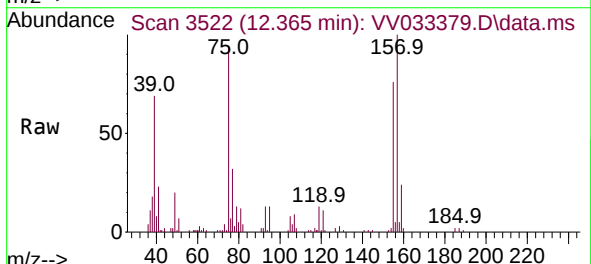
Instrument :
MSVOA_V
ClientSampleId :

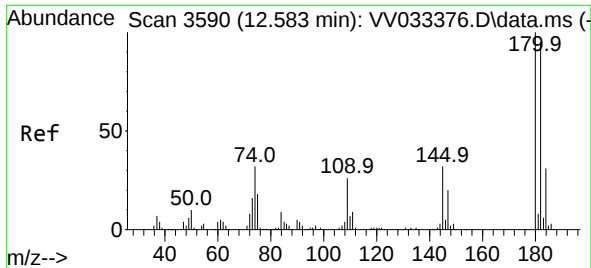
Tgt Ion:146 Resp: 215056
Ion Ratio Lower Upper
146 100
111 43.1 33.5 50.3
148 62.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 49.476 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033379.D
Acq: 15 Dec 2023 15:33

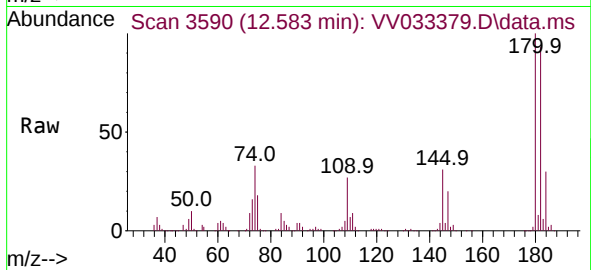
Tgt Ion: 75 Resp: 29162
Ion Ratio Lower Upper
75 100
155 80.0 69.4 104.0
157 105.9 81.1 121.7



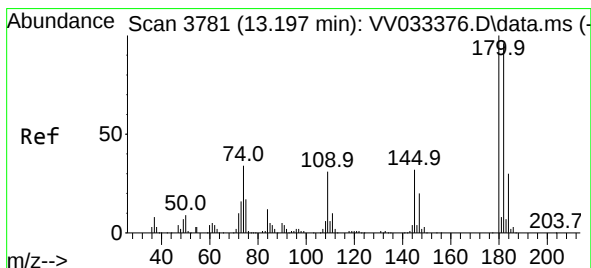
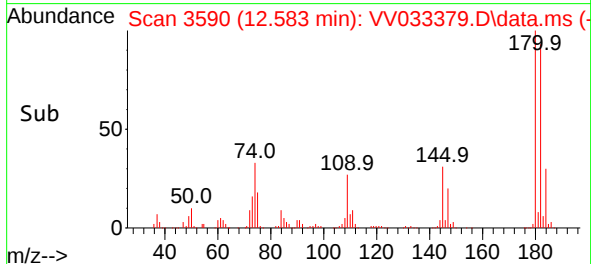
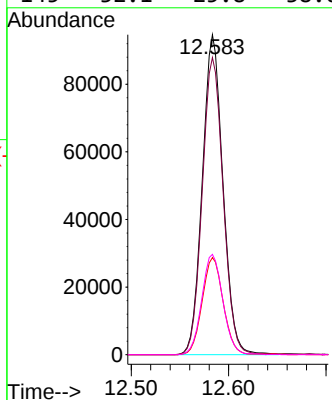


#69
 1,3,5-Trichlorobenzene
 Concen: 50.272 ug/L
 RT: 12.583 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Instrument :
 MSVOA_V
 ClientSampleId :

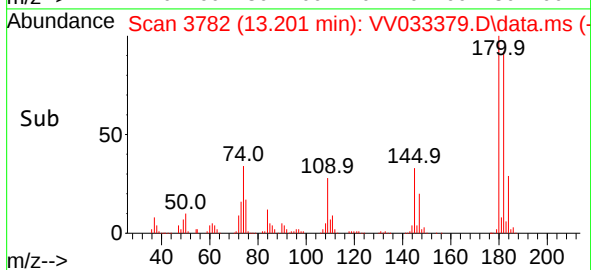
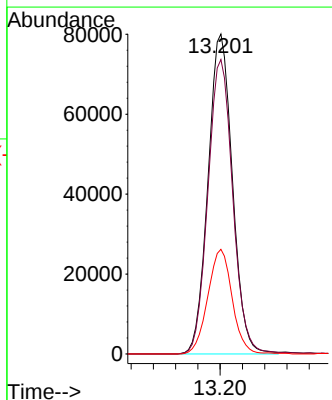
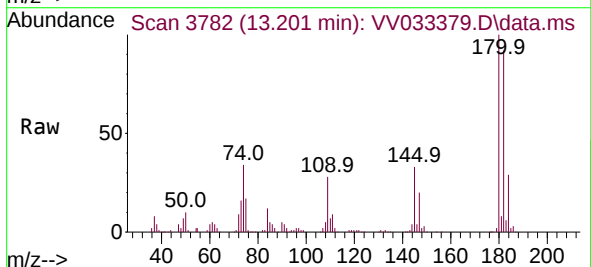


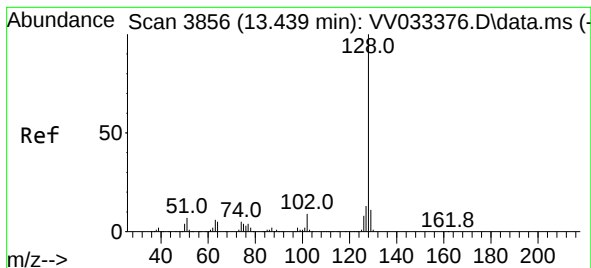
Tgt Ion:180 Resp: 139301
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.2 114.4
 184 30.8 24.4 36.6
 145 32.1 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 50.242 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV033379.D
 Acq: 15 Dec 2023 15:33

Tgt Ion:180 Resp: 121696
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.1 114.1
 145 32.6 25.6 38.4





#71

Naphthalene

Concen: 59.296 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

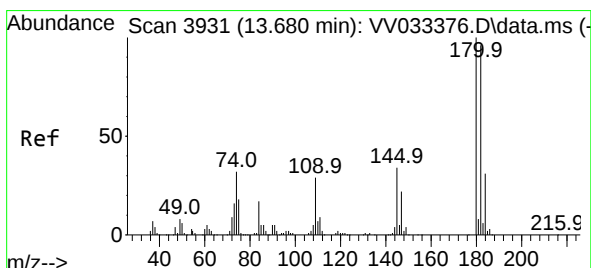
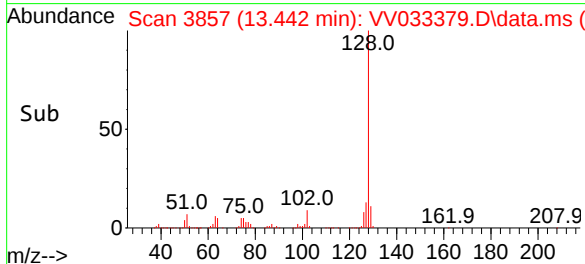
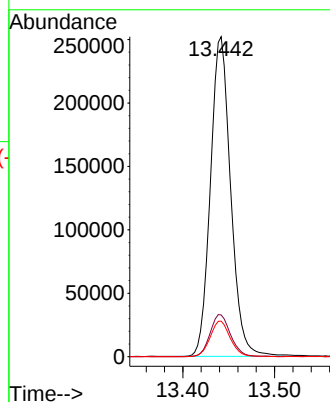
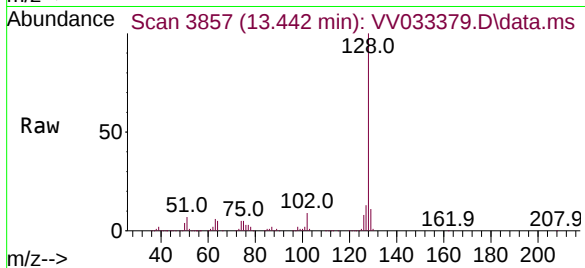
Tgt Ion:128 Resp: 386429

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 54.864 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033379.D

Acq: 15 Dec 2023 15:33

Tgt Ion:180 Resp: 129983

Ion Ratio Lower Upper

180 100

182 92.7 76.2 114.2

145 35.0 27.1 40.7

