

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033297.D
 Acq On : 13 Dec 2023 23:32
 Operator : SY/MD
 Sample : 05731-03MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY50MS

Quant Time: Dec 14 01:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	131140	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	130083	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	74535	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42945	5.108	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.200%
7) Chloroethane-d5	1.532	69	32269	5.161	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.060	65	16477	4.924	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	3.799	46	56032	56.321	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.640%
24) Chloroform-d	4.249	84	94609	5.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.000%
26) 1,2-Dichloroethane-d4	4.944	65	43646	5.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.600%
32) Benzene-d6	4.960	84	180798	5.373	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
36) 1,2-Dichloropropane-d6	5.989	67	40173	5.245	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.243	98	179013	5.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
43) trans-1,3-Dichloroprop...	7.555	79	18799	5.380	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.600%
46) 2-Hexanone-d5	8.027	63	57627	59.075	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.160%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	29449	5.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	71207	5.424	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	84340	5.156	ug/L	95
3) Chloromethane	1.214	50	49075	5.247	ug/L	99
5) Vinyl chloride	1.282	62	47305	4.997	ug/L	98
6) Bromomethane	1.487	94	30315	4.886	ug/L	100
8) Chloroethane	1.548	64	26146	4.787	ug/L	98
9) Trichlorofluoromethane	1.716	101	87629	5.045	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	38793	4.830	ug/L	99
12) 1,1-Dichloroethene	2.072	96	37690	5.020	ug/L	87
13) Acetone	2.127	43	33729	47.901	ug/L #	58
14) Carbon disulfide	2.243	76	118696	4.855	ug/L	100
15) Methyl Acetate	2.378	43	7018	3.761	ug/L #	80
16) Methylene chloride	2.445	84	41005	4.742	ug/L	92
17) Methyl tert-butyl Ether	2.703	73	78694	5.090	ug/L #	88
18) trans-1,2-Dichloroethene	2.696	96	45134	4.965	ug/L	94
19) 1,1-Dichloroethane	3.111	63	71225	4.993	ug/L	98
21) 2-Butanone	3.880	43	48429	47.211	ug/L	87
22) cis-1,2-Dichloroethene	3.818	96	49661	5.288	ug/L	96
23) Bromochloromethane	4.146	128	21543	5.312	ug/L	94
25) Chloroform	4.275	83	98475	5.855	ug/L	99

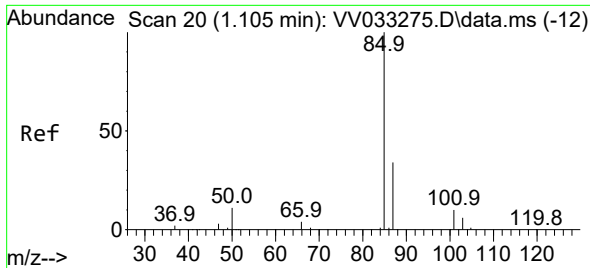
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	47988	5.198	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	90405	5.012	ug/L	100
30) Cyclohexane	4.580	56	65574	5.697	ug/L	97
31) Carbon tetrachloride	4.735	117	85920	5.099	ug/L	98
33) Benzene	5.008	78	208423	5.980	ug/L	100
34) Trichloroethene	5.831	95	67079	6.601	ug/L	98
35) Methylcyclohexane	6.050	83	86626	5.755	ug/L	98
37) 1,2-Dichloropropane	6.092	63	35510	5.065	ug/L	100
38) Bromodichloromethane	6.432	83	59930	5.326	ug/L	91
39) cis-1,3-Dichloropropene	6.957	75	58738	5.159	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	131847	53.147	ug/L	98
42) Toluene	7.313	91	314186	7.869	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	47288	4.983	ug/L	96
45) 1,1,2-Trichloroethane	7.770	97	28707	5.316	ug/L	96
47) Tetrachloroethene	7.905	164	49013	5.094	ug/L	97
48) 2-Hexanone	8.075	43	98090	54.860	ug/L	99
49) Dibromochloromethane	8.175	129	39881	5.266	ug/L	96
50) 1,2-Dibromoethane	8.284	107	26927	5.371	ug/L	95
51) Chlorobenzene	8.815	112	141559	5.177	ug/L	98
52) Ethylbenzene	8.947	91	261305	5.842	ug/L	99
53) m,p-Xylene	9.072	106	112027	6.085	ug/L	96
54) o-Xylene	9.477	106	99227	5.691	ug/L	93
55) Styrene	9.497	104	154406	5.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	27180	5.166	ug/L	98
59) Bromoform	9.667	173	23460	5.124	ug/L	97
60) Isopropylbenzene	9.866	105	254405	5.152	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	20005	5.064	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	208604	5.166	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	216027	5.408	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	127454	5.072	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	126158	5.046	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	111994	5.184	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	4756	5.148	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	99742	4.972	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	75563	4.890	ug/L	97
71) Naphthalene	13.442	128	81778	4.568	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	61719	4.975	ug/L	98

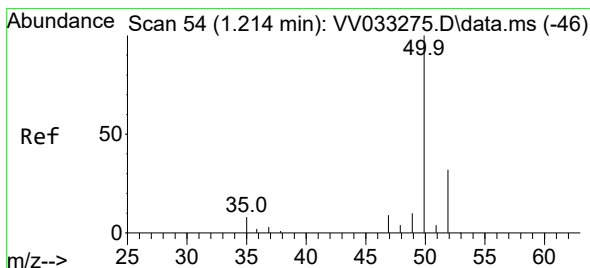
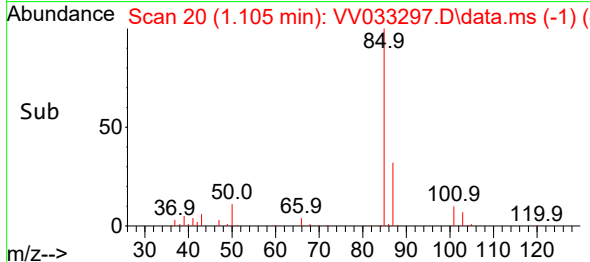
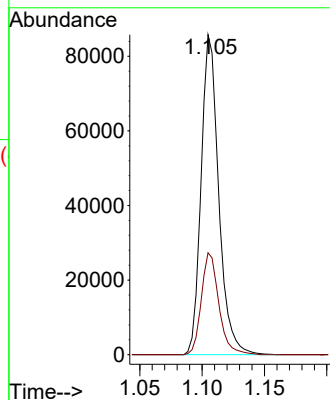
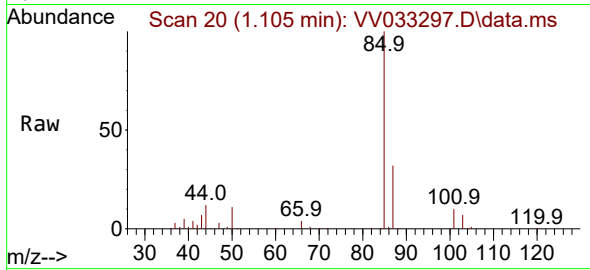
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.156 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

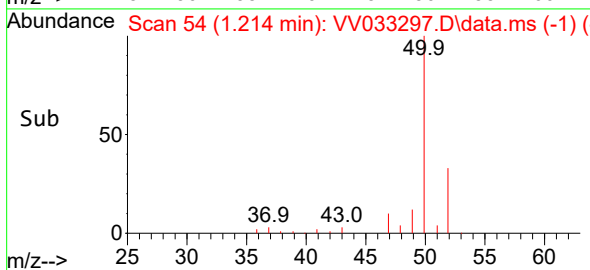
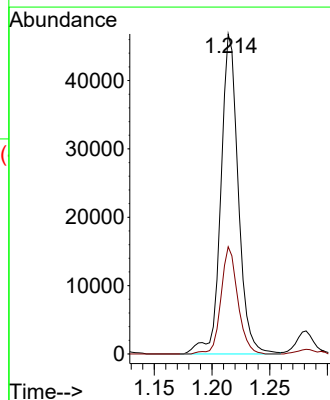
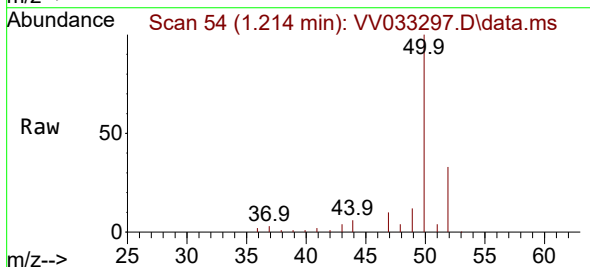
Instrument :
 MSVOA_V
 ClientSampleId :
 EOY50MS

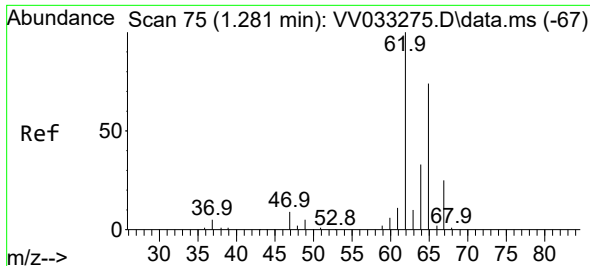
Tgt Ion: 85 Resp: 84340
 Ion Ratio Lower Upper
 85 100
 87 31.7 27.4 41.2



#3
 Chloromethane
 Concen: 5.247 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

Tgt Ion: 50 Resp: 49075
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.8 44.2

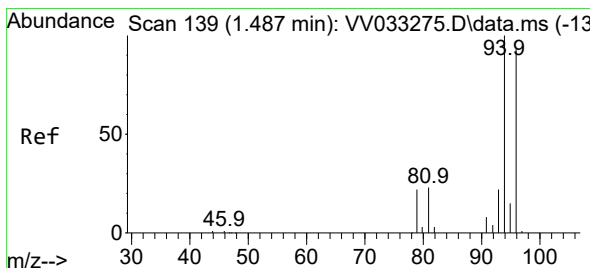
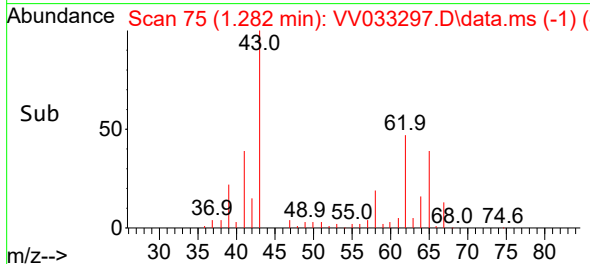
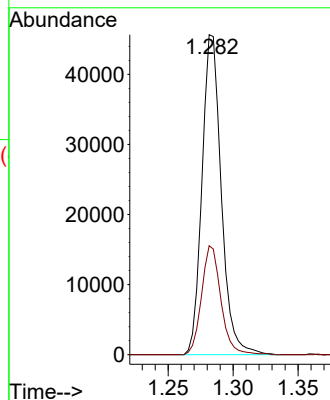
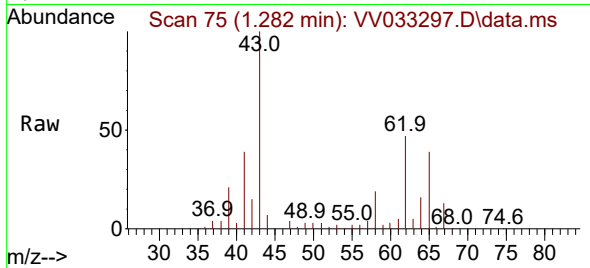




#5
 Vinyl chloride
 Concen: 4.997 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

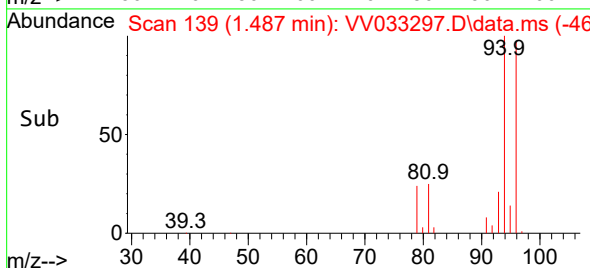
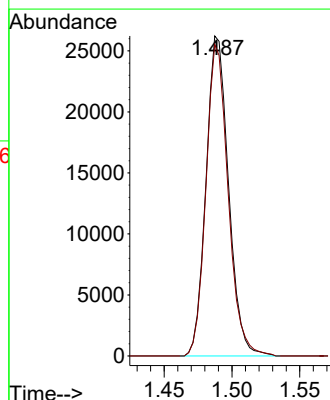
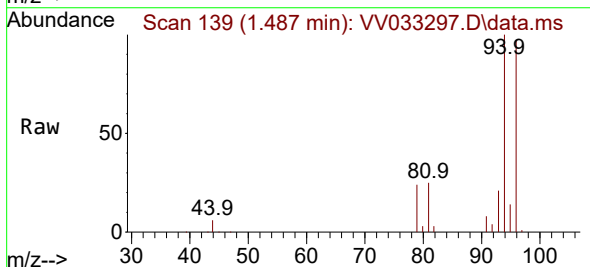
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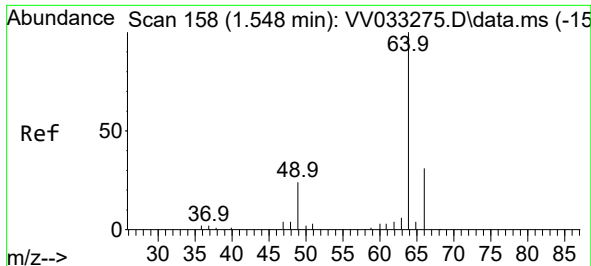
Tgt Ion: 62 Resp: 47305
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.0 42.8



#6
 Bromomethane
 Concen: 4.886 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

Tgt Ion: 94 Resp: 30315
 Ion Ratio Lower Upper
 94 100
 96 97.3 68.3 126.8

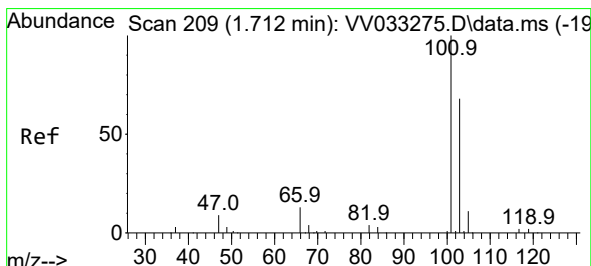
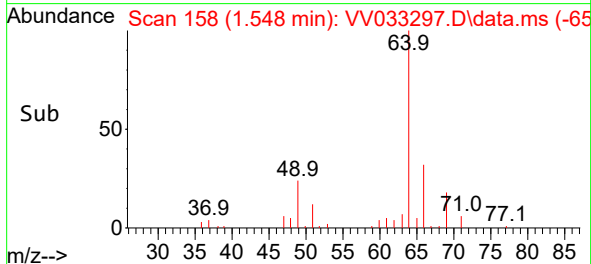
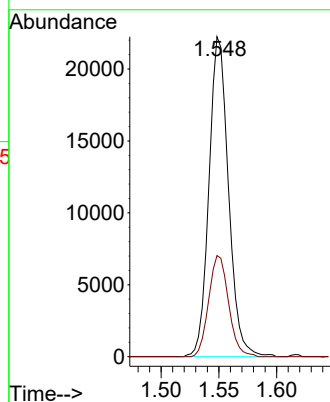
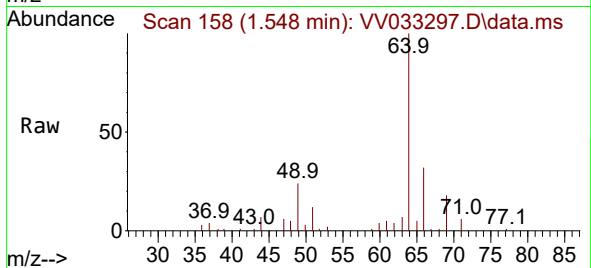




#8
Chloroethane
Concen: 4.787 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

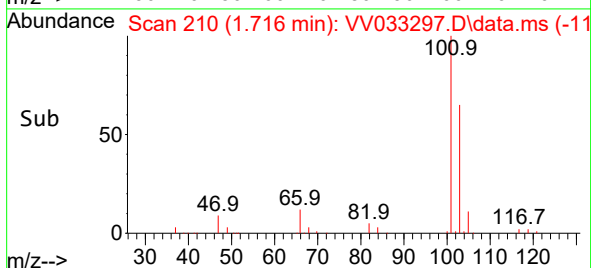
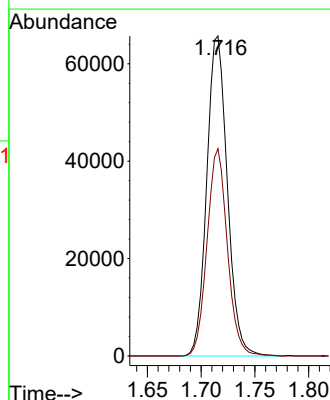
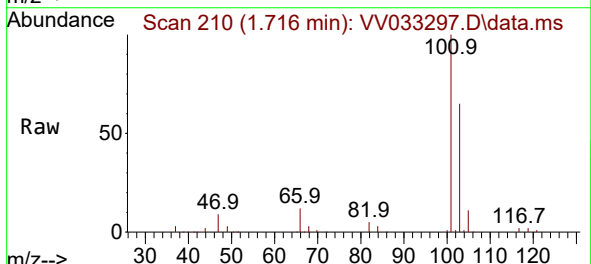
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ClientSampleId :
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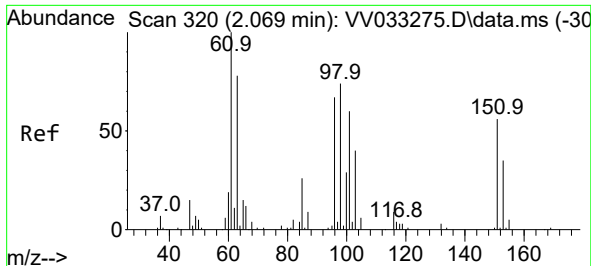
Tgt Ion: 64 Resp: 26146
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.045 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion:101 Resp: 87629
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.8

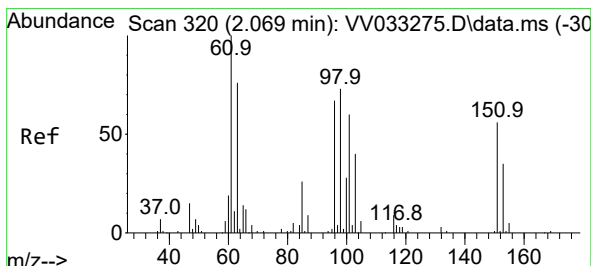
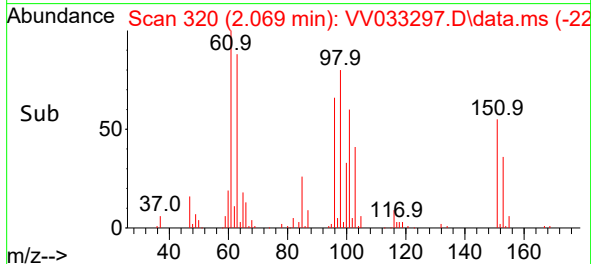
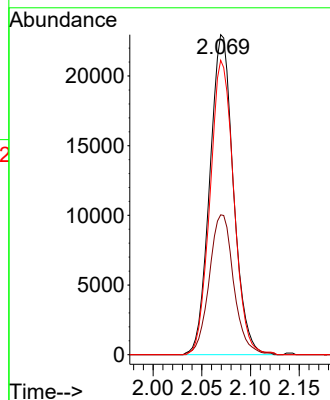
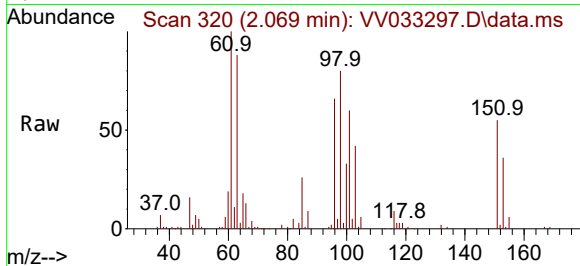




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.830 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

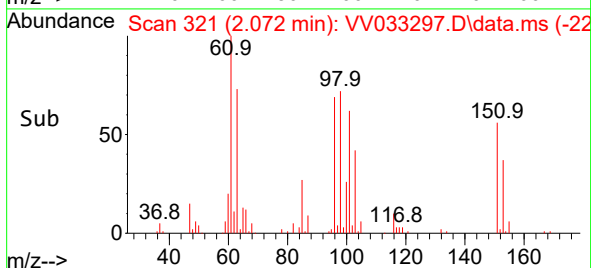
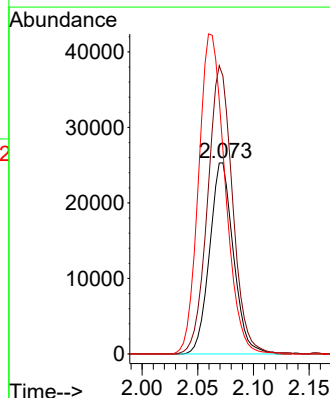
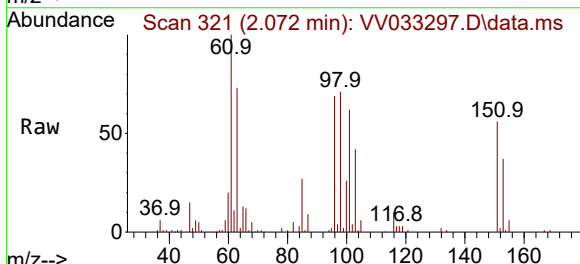
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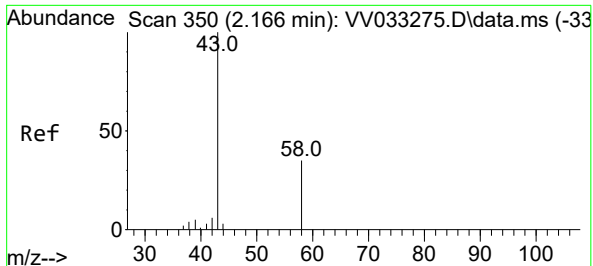
Tgt Ion:101 Resp: 38793
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.2 54.2
 151 92.2 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 5.020 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

Tgt Ion: 96 Resp: 37690
 Ion Ratio Lower Upper
 96 100
 61 145.3 111.6 207.2
 63 106.7 87.1 161.7





#13

Acetone

Concen: 47.901 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.038 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

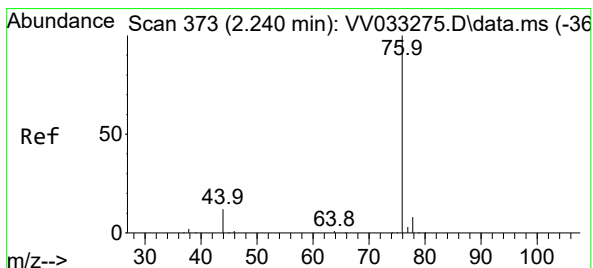
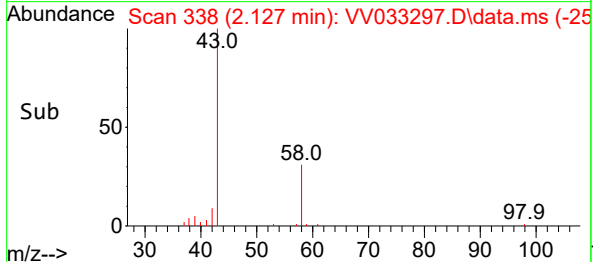
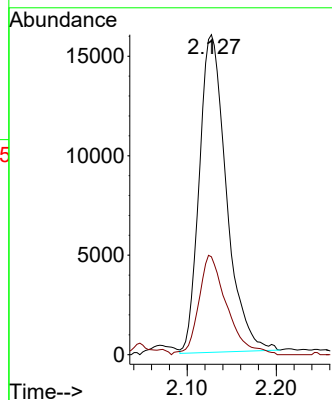
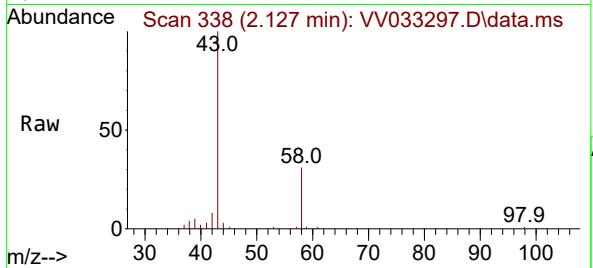
E0Y50MS

Tgt Ion: 43 Resp: 33729

Ion Ratio Lower Upper

43 100

58 32.4 0.0 30.2#



#14

Carbon disulfide

Concen: 4.855 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033297.D

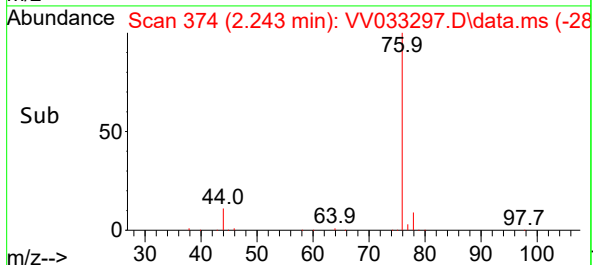
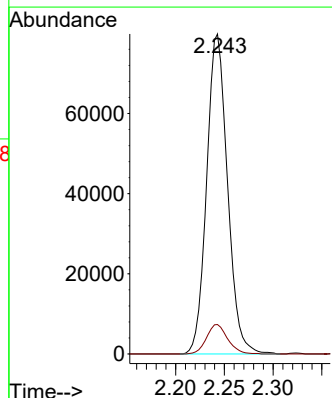
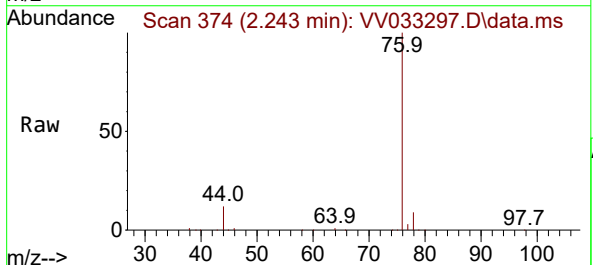
Acq: 13 Dec 2023 23:32

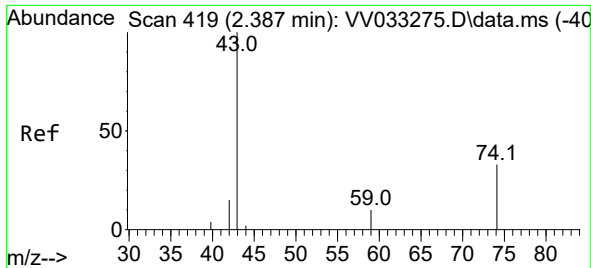
Tgt Ion: 76 Resp: 118696

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 3.761 ug/L

RT: 2.378 min Scan# 419

Delta R.T. -0.010 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

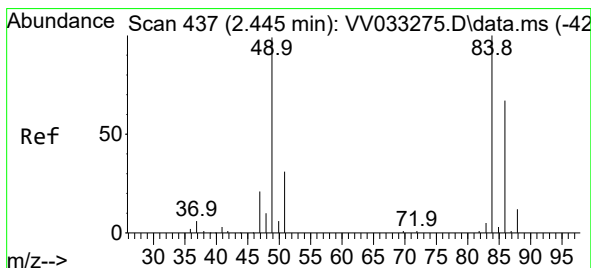
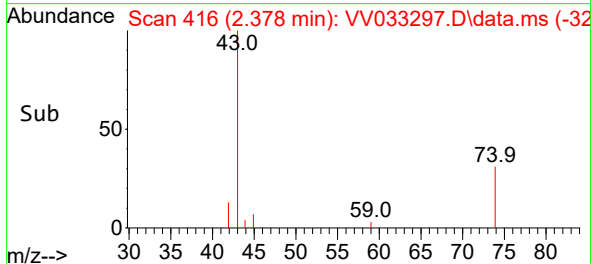
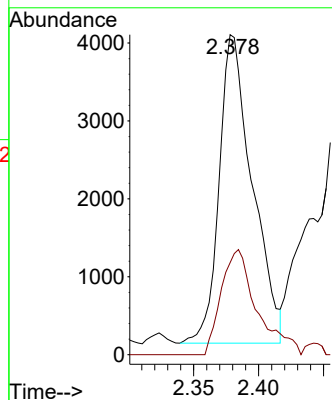
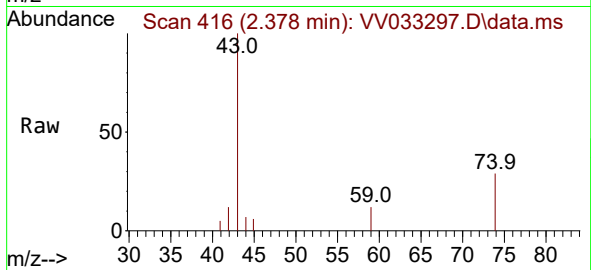
EOY50MS

Tgt Ion: 43 Resp: 7018

Ion Ratio Lower Upper

43 100

74 36.7 21.0 31.6#



#16

Methylene chloride

Concen: 4.742 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

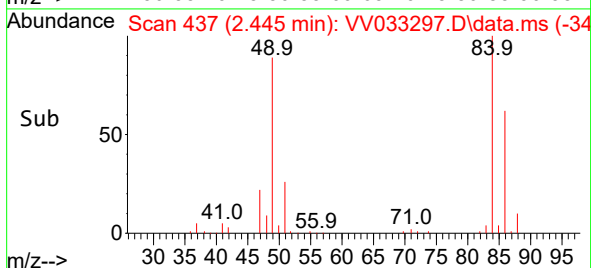
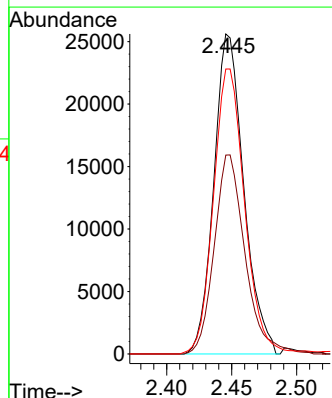
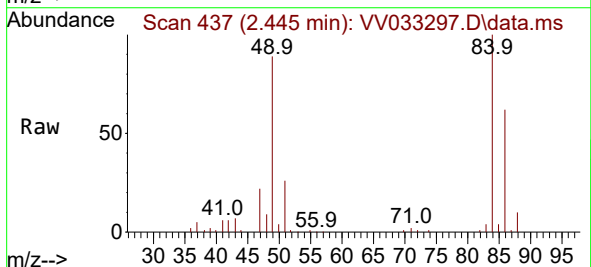
Tgt Ion: 84 Resp: 41005

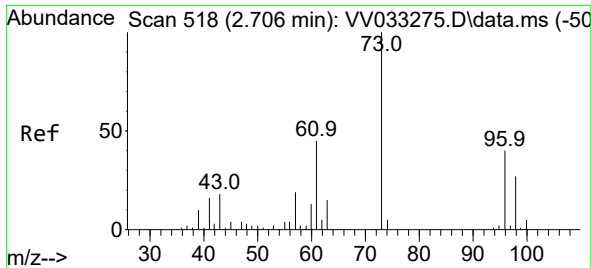
Ion Ratio Lower Upper

84 100

86 62.1 47.5 88.1

49 89.1 68.9 127.9

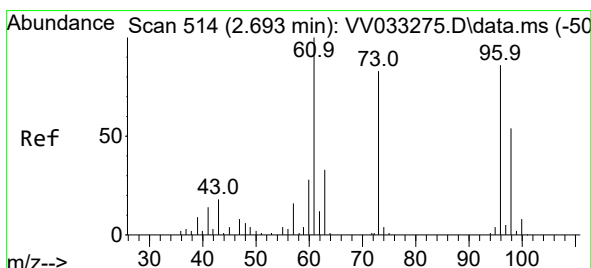
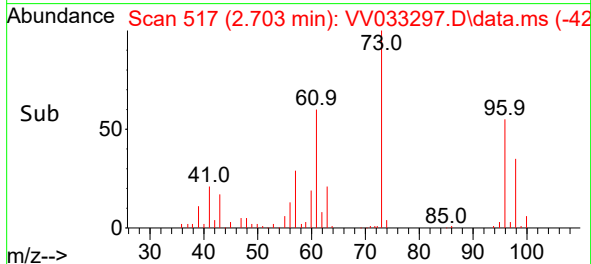
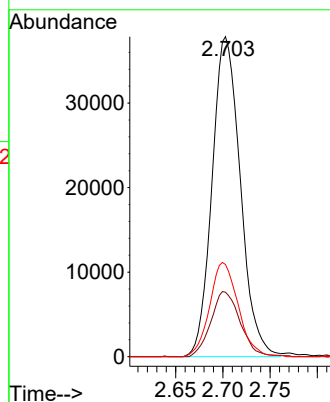
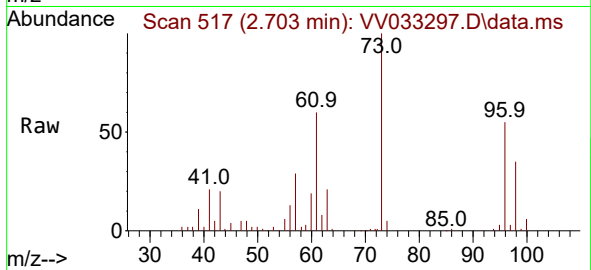




#17
Methyl tert-butyl Ether
Concen: 5.090 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

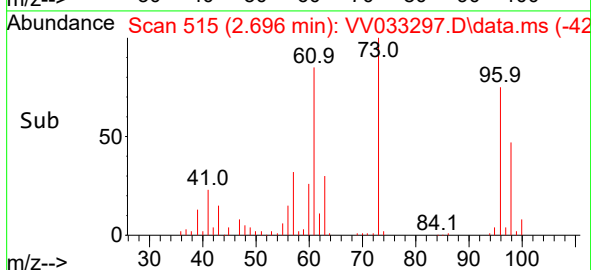
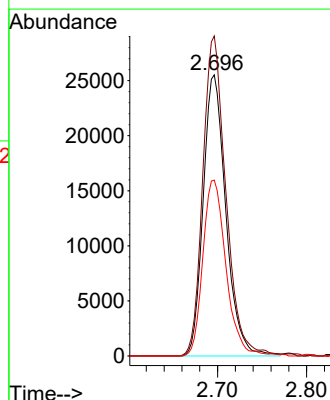
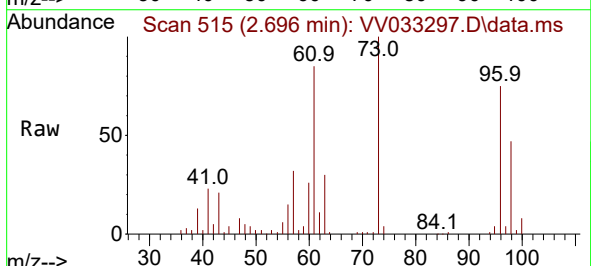
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

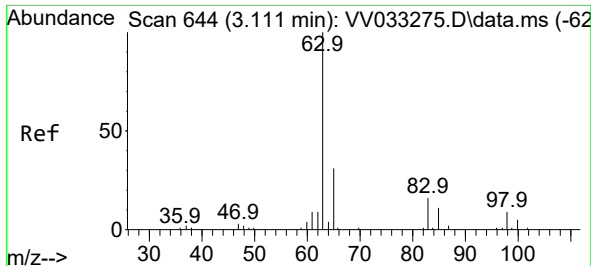
Tgt Ion: 73 Resp: 78694
Ion Ratio Lower Upper
73 100
43 21.1 16.0 24.0
57 29.8 15.6 23.4#



#18
trans-1,2-Dichloroethene
Concen: 4.965 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion: 96 Resp: 45134
Ion Ratio Lower Upper
96 100
61 113.8 84.6 157.2
98 62.6 46.7 86.7





#19

1,1-Dichloroethane

Concen: 4.993 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

EOY50MS

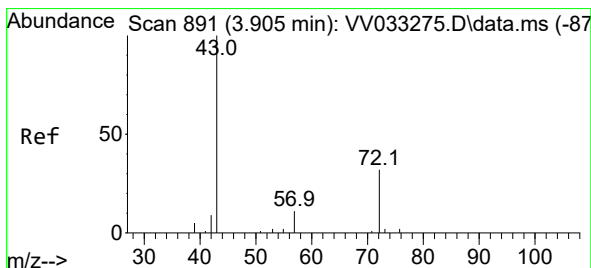
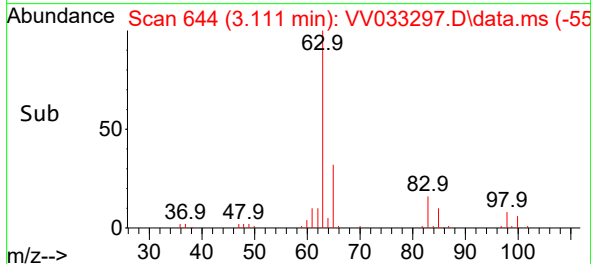
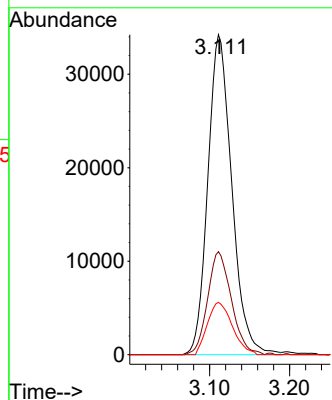
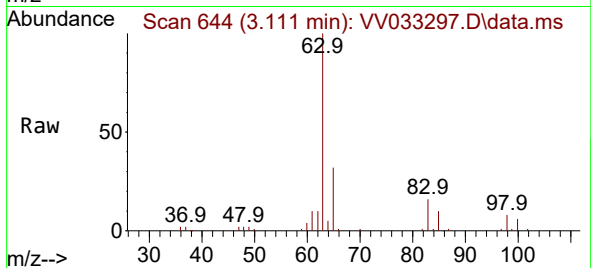
Tgt Ion: 63 Resp: 71225

Ion Ratio Lower Upper

63 100

65 32.2 22.9 42.5

83 16.4 12.6 23.4



#21

2-Butanone

Concen: 47.211 ug/L

RT: 3.880 min Scan# 883

Delta R.T. -0.026 min

Lab File: VV033297.D

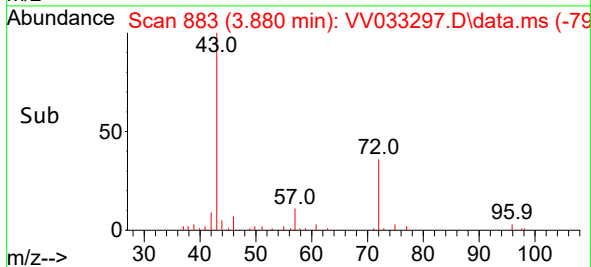
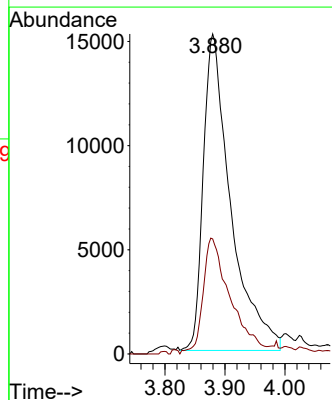
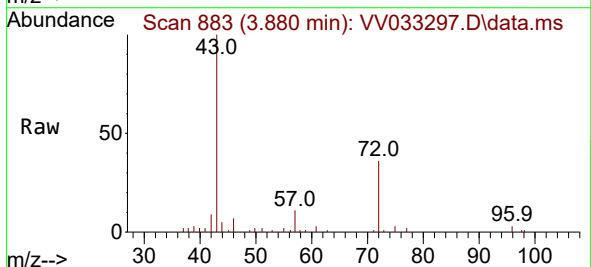
Acq: 13 Dec 2023 23:32

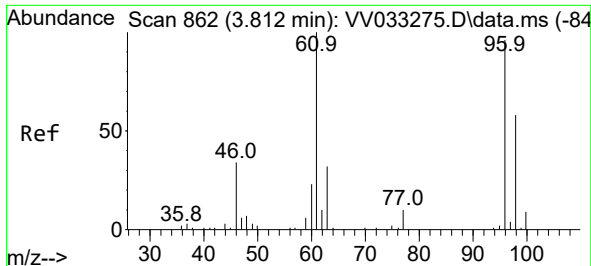
Tgt Ion: 43 Resp: 48429

Ion Ratio Lower Upper

43 100

72 36.4 14.8 44.3

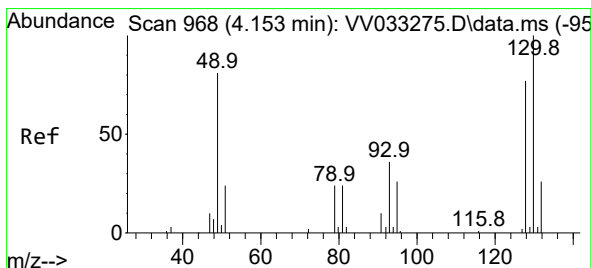
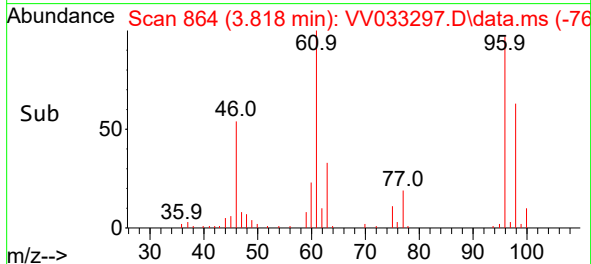
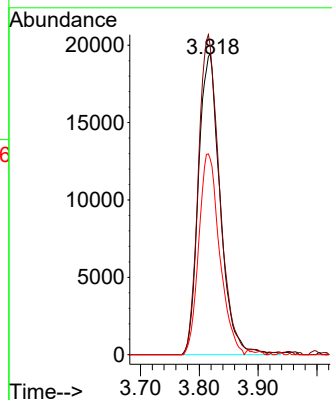
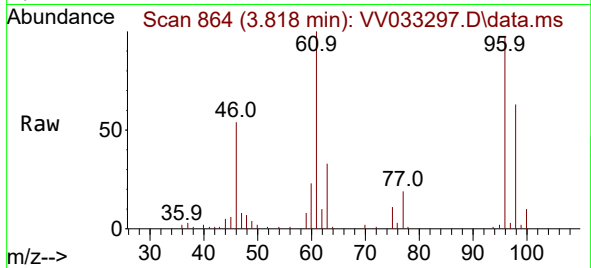




#22
 cis-1,2-Dichloroethene
 Concen: 5.288 ug/L
 RT: 3.818 min Scan# 862
 Delta R.T. 0.007 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

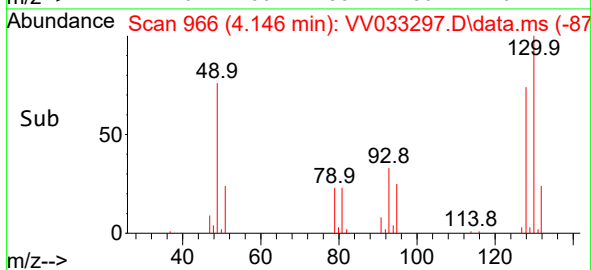
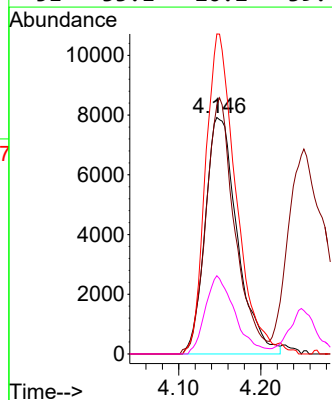
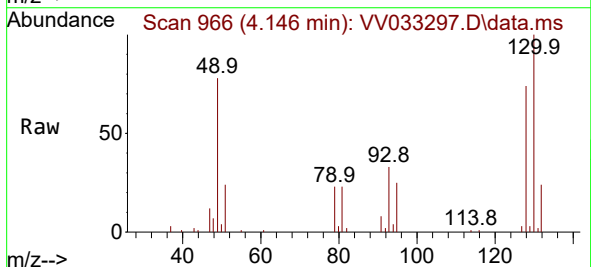
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y50MS

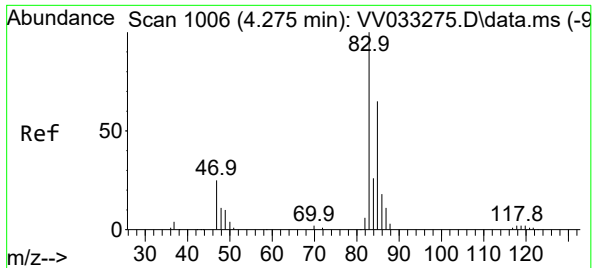
Tgt Ion: 96 Resp: 49661
 Ion Ratio Lower Upper
 96 100
 61 102.8 69.9 129.9
 98 65.2 42.4 78.8



#23
 Bromochloromethane
 Concen: 5.312 ug/L
 RT: 4.146 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

Tgt Ion: 128 Resp: 21543
 Ion Ratio Lower Upper
 128 100
 49 105.1 65.8 122.2
 130 135.3 91.1 169.3
 51 33.1 26.2 39.4

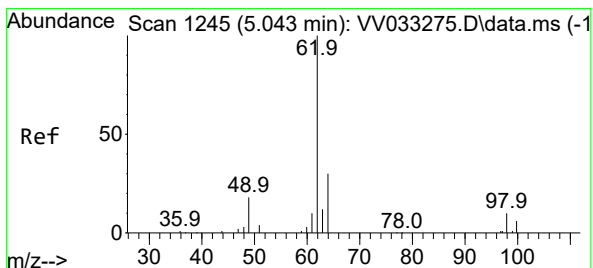
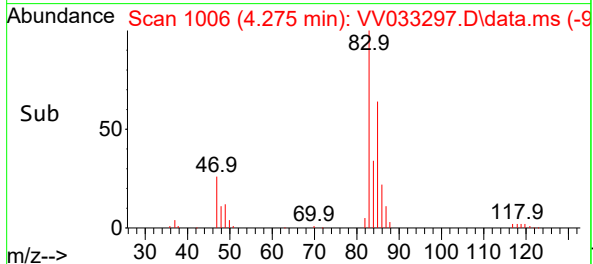
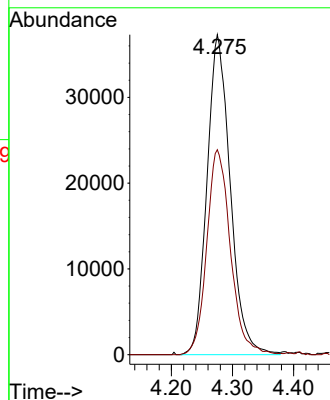
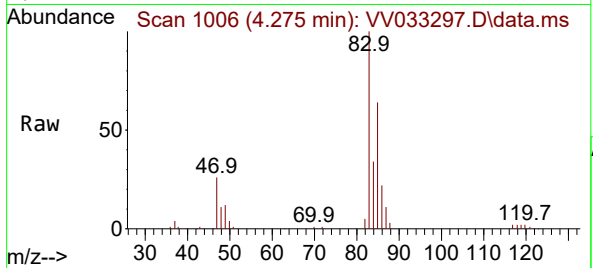




#25
Chloroform
Concen: 5.855 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

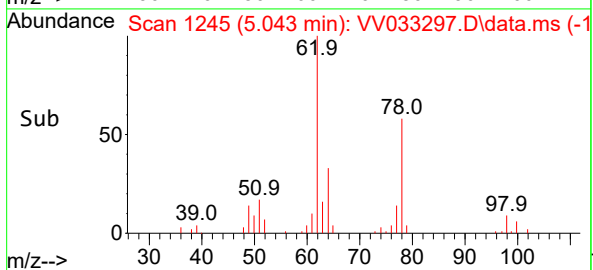
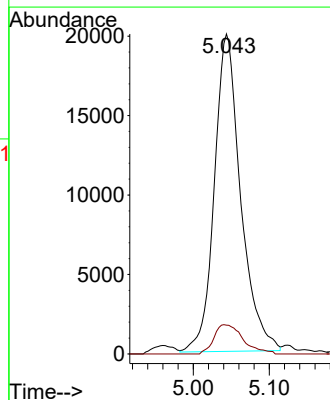
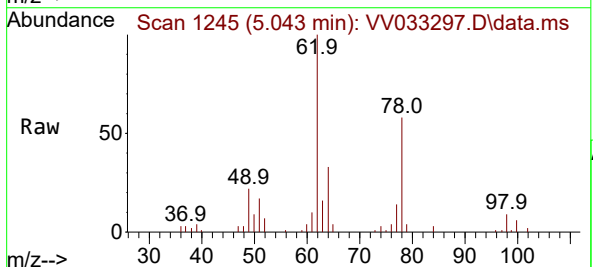
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

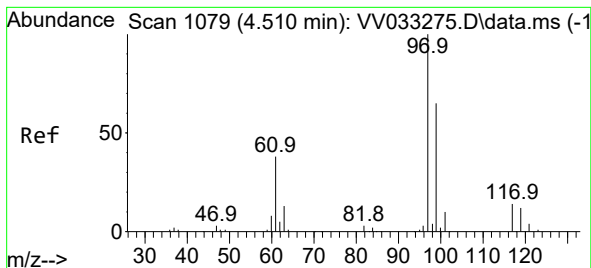
Tgt Ion: 83 Resp: 98475
Ion Ratio Lower Upper
83 100
85 64.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.198 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion: 62 Resp: 47988
Ion Ratio Lower Upper
62 100
98 9.0 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.012 ug/L

RT: 4.513 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

EOY50MS

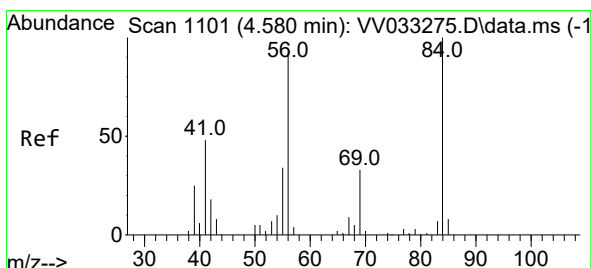
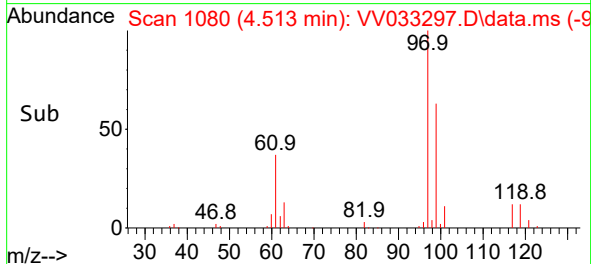
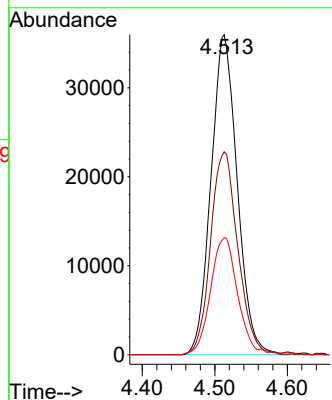
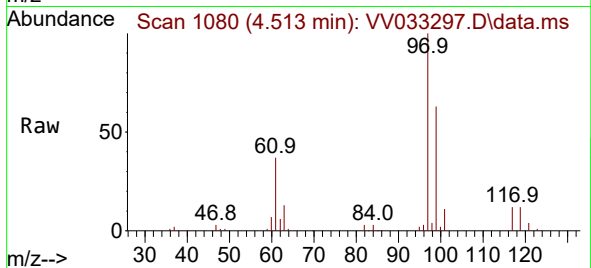
Tgt Ion: 97 Resp: 90405

Ion Ratio Lower Upper

97 100

99 65.8 52.8 79.2

61 37.6 30.3 45.5



#30

Cyclohexane

Concen: 5.697 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

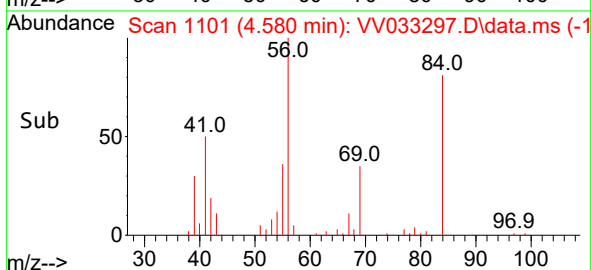
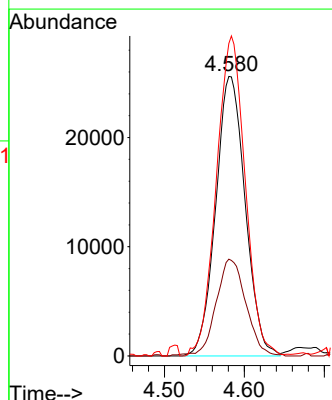
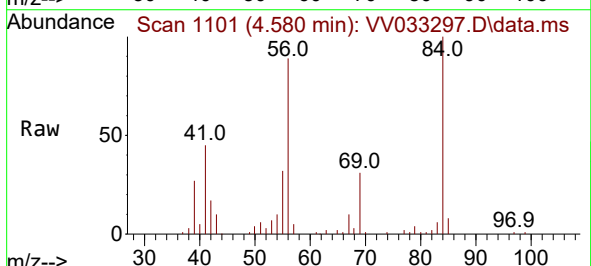
Tgt Ion: 56 Resp: 65574

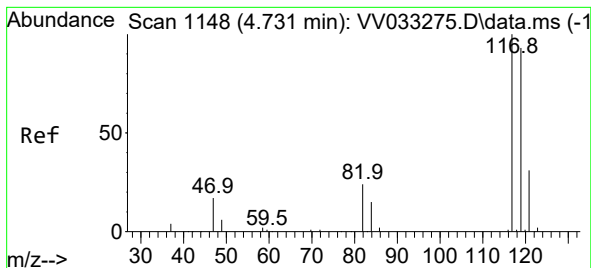
Ion Ratio Lower Upper

56 100

69 35.0 28.8 43.2

84 111.8 86.2 129.4





#31

Carbon tetrachloride

Concen: 5.099 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

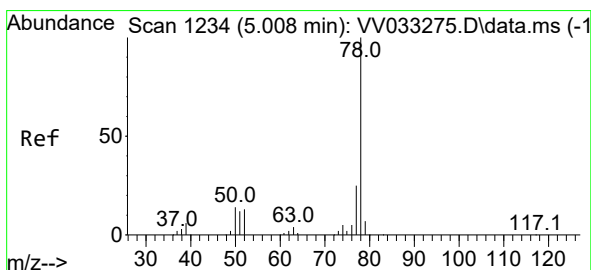
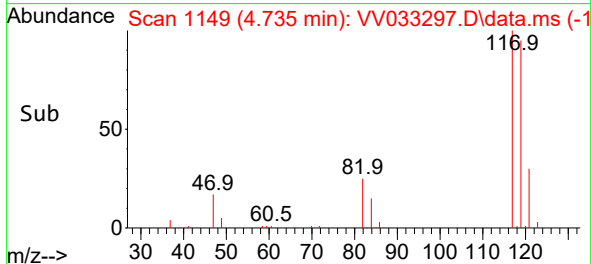
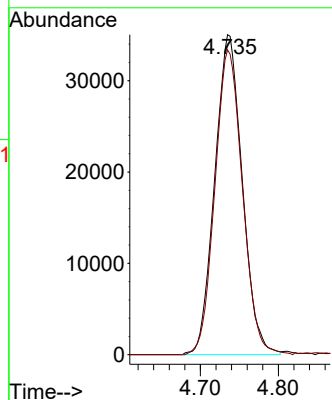
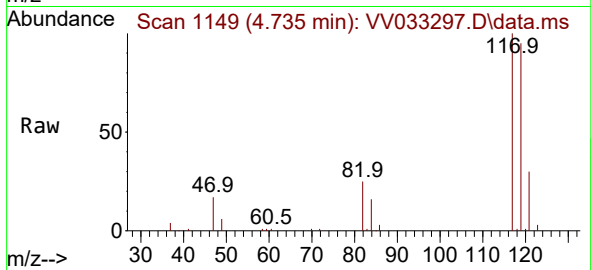
E0Y50MS

Tgt Ion:117 Resp: 85920

Ion Ratio Lower Upper

117 100

119 95.5 77.8 116.8



#33

Benzene

Concen: 5.980 ug/L

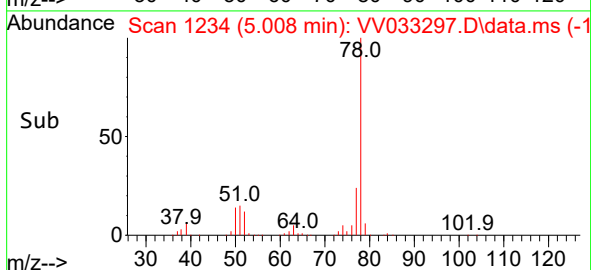
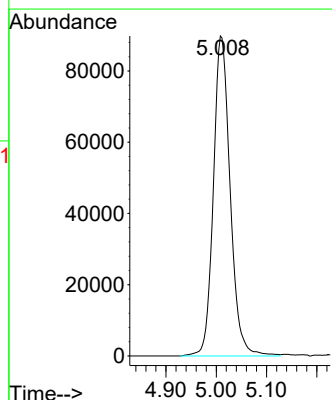
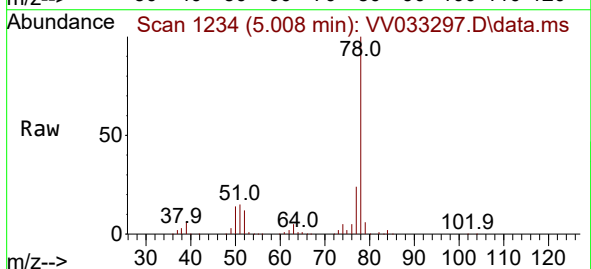
RT: 5.008 min Scan# 1234

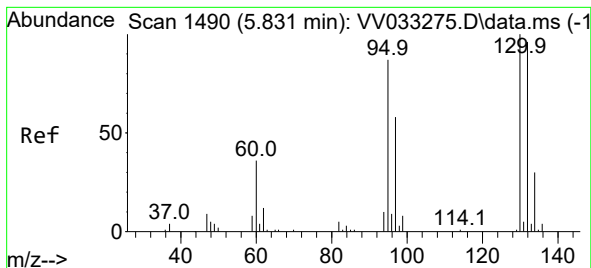
Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Tgt Ion: 78 Resp: 208423





#34

Trichloroethene

Concen: 6.601 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MS

Tgt Ion: 95 Resp: 67079

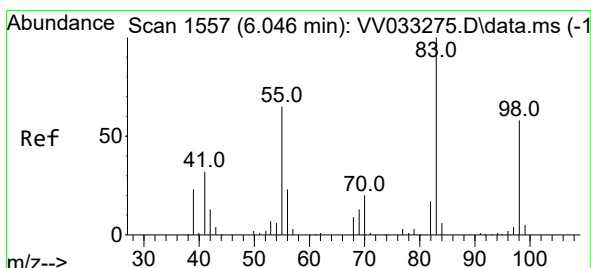
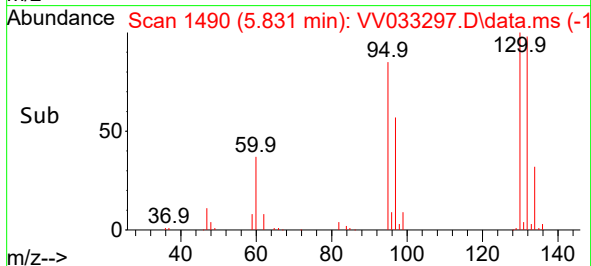
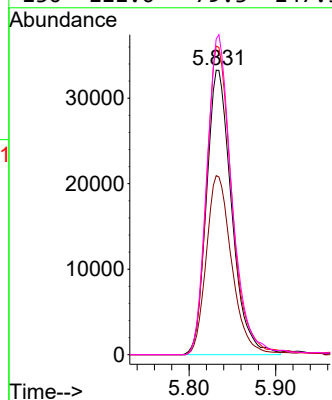
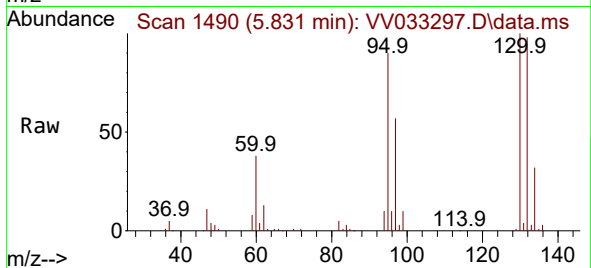
Ion Ratio Lower Upper

95 100

97 62.9 46.5 86.5

132 108.5 75.1 139.5

130 111.0 79.3 147.3



#35

Methylcyclohexane

Concen: 5.755 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

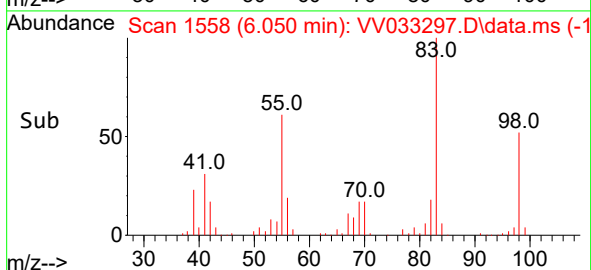
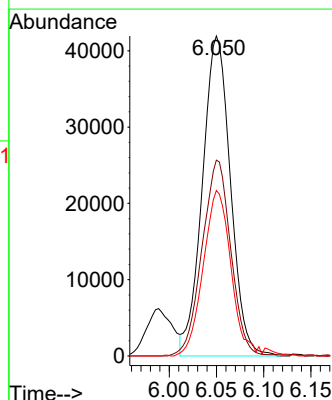
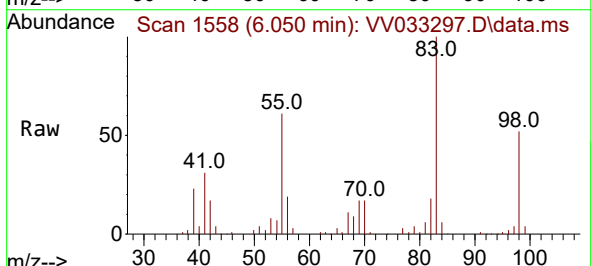
Tgt Ion: 83 Resp: 86626

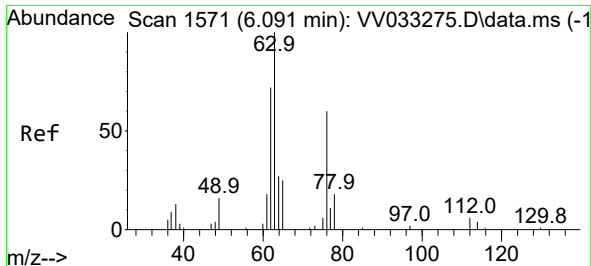
Ion Ratio Lower Upper

83 100

55 62.5 50.7 76.1

98 51.0 42.4 63.6





#37

1,2-Dichloropropane

Concen: 5.065 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

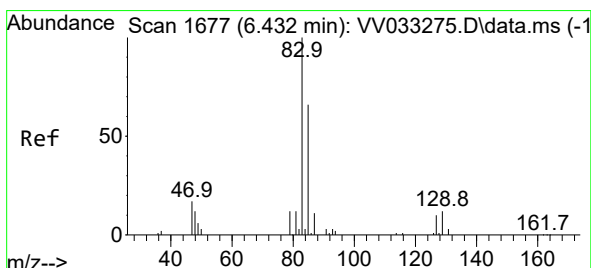
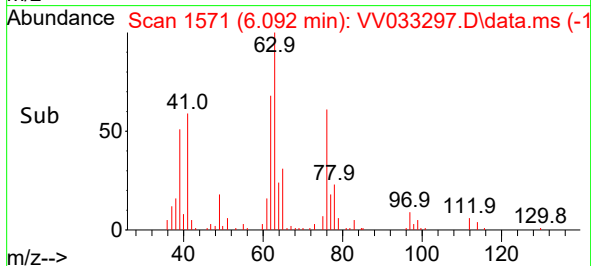
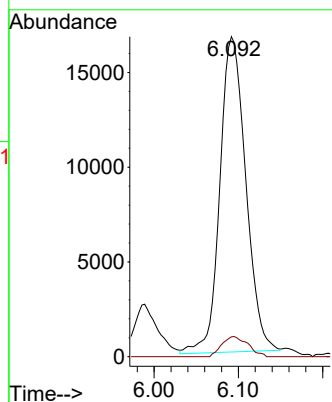
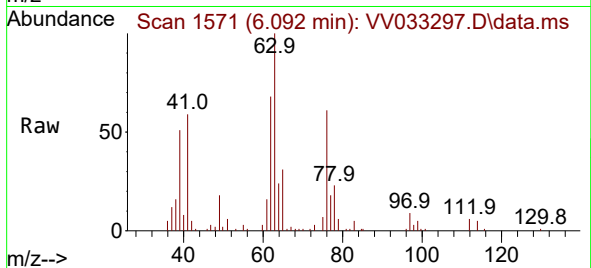
E0Y50MS

Tgt Ion: 63 Resp: 35510

Ion Ratio Lower Upper

63 100

112 6.4 5.0 7.6



#38

Bromodichloromethane

Concen: 5.326 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

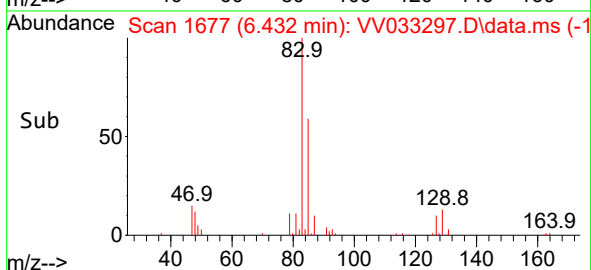
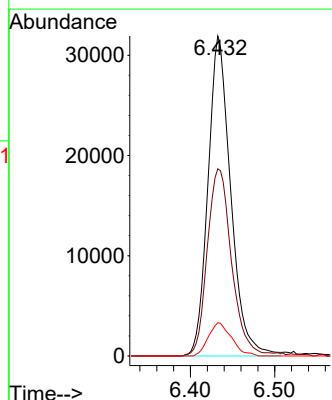
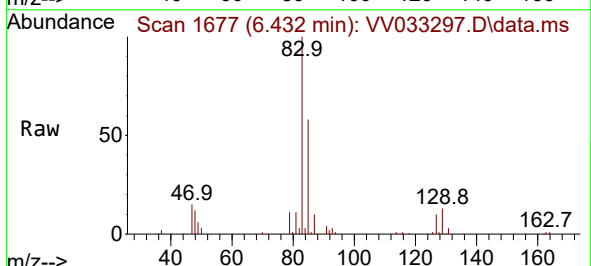
Tgt Ion: 83 Resp: 59930

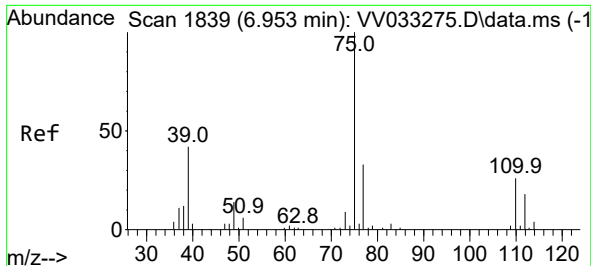
Ion Ratio Lower Upper

83 100

85 58.5 46.6 86.6

127 10.4 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

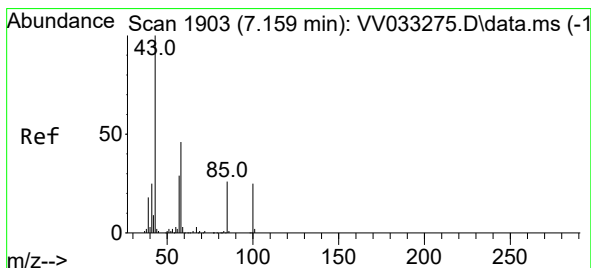
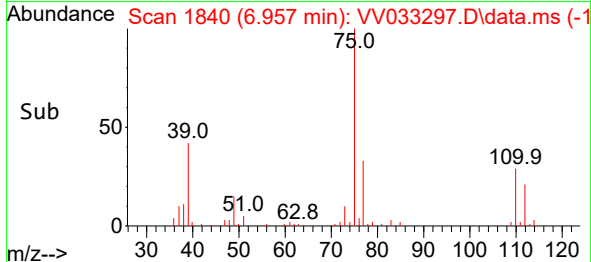
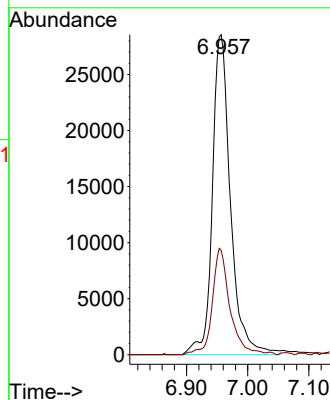
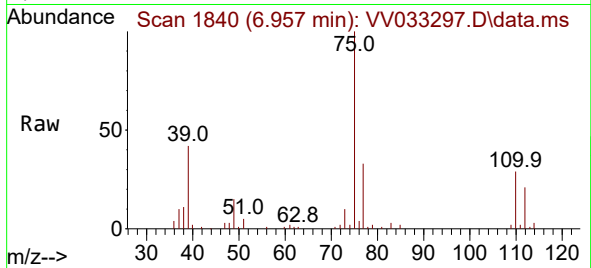
E0Y50MS

Tgt Ion: 75 Resp: 58738

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.147 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

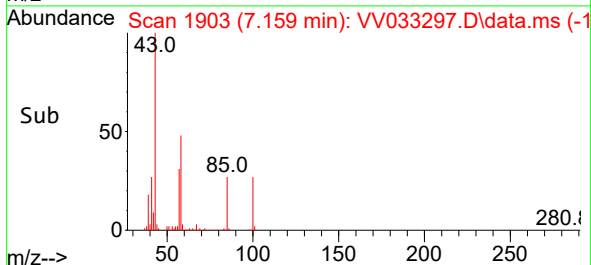
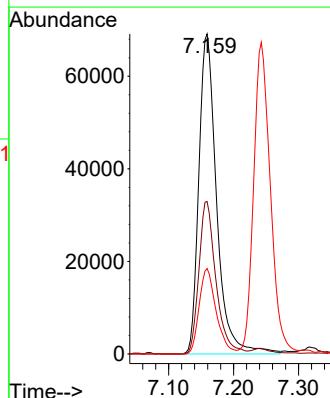
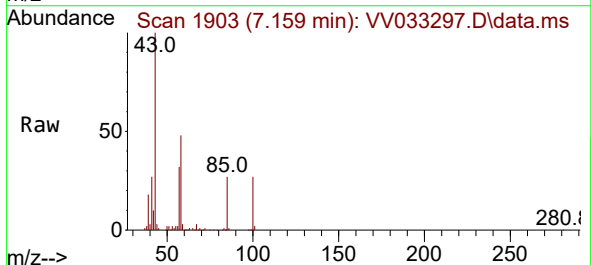
Tgt Ion: 43 Resp: 131847

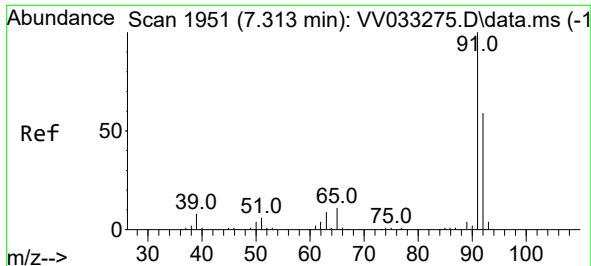
Ion Ratio Lower Upper

43 100

58 45.7 36.2 54.2

100 25.4 18.8 28.2





#42

Toluene

Concen: 7.869 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

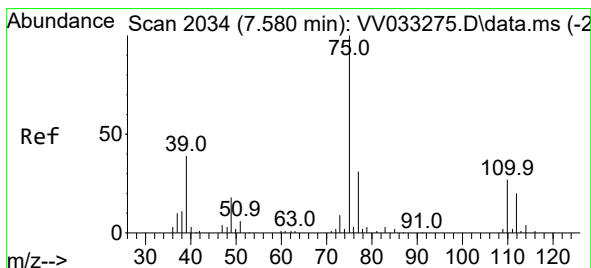
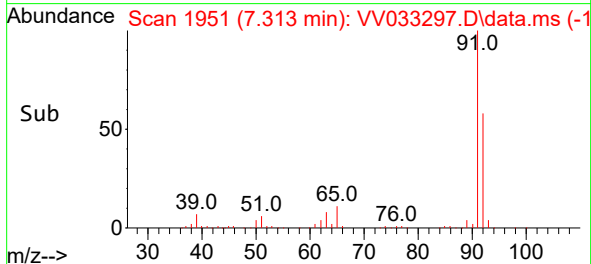
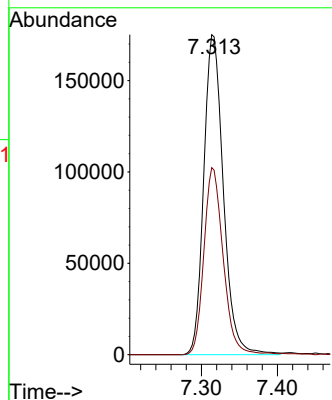
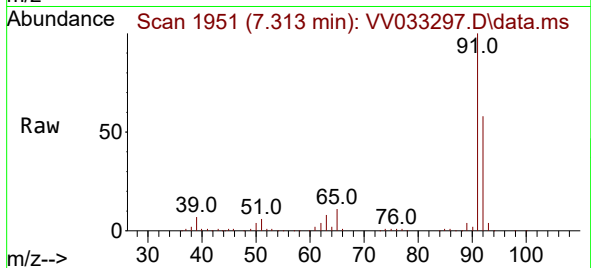
EOY50MS

Tgt Ion: 91 Resp: 314186

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.983 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV033297.D

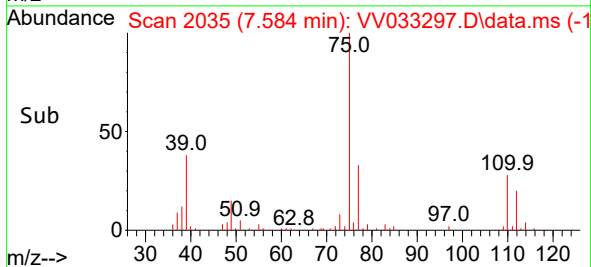
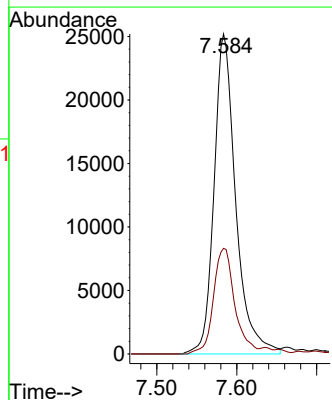
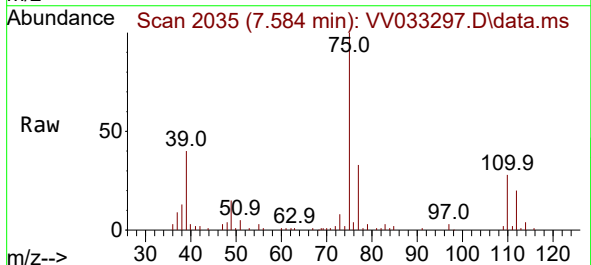
Acq: 13 Dec 2023 23:32

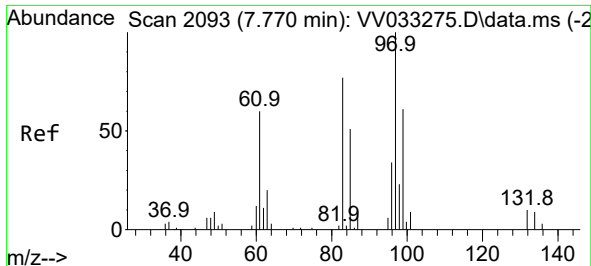
Tgt Ion: 75 Resp: 47288

Ion Ratio Lower Upper

75 100

77 33.0 21.7 40.3



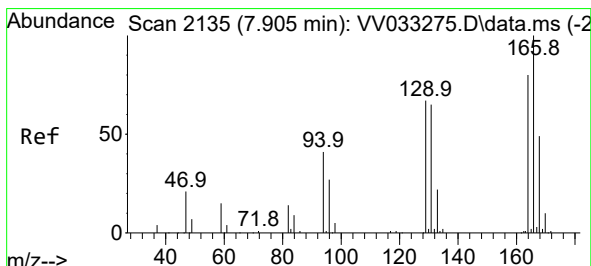
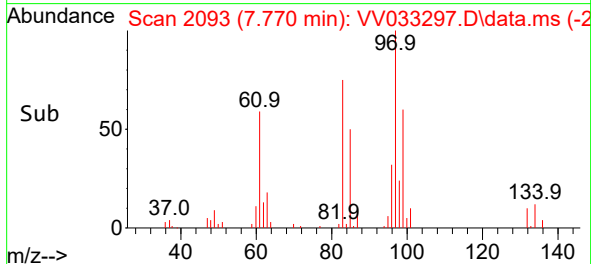
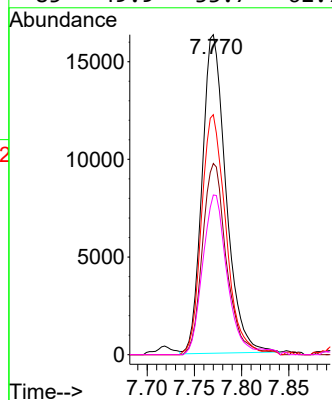
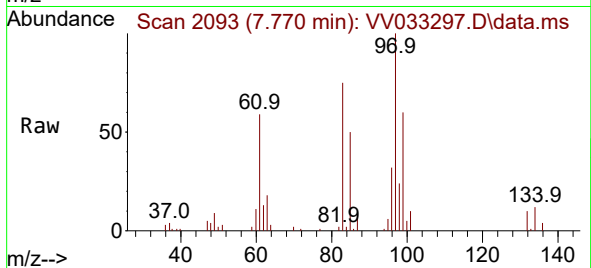


#45
1,1,2-Trichloroethane
Concen: 5.316 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

Tgt Ion: 97 Resp: 28707

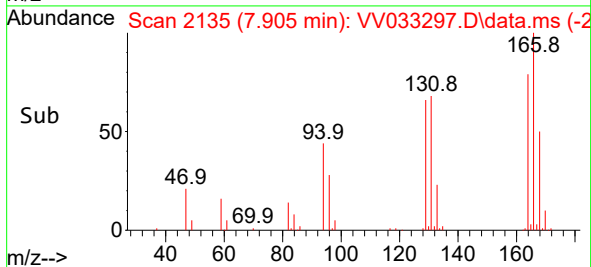
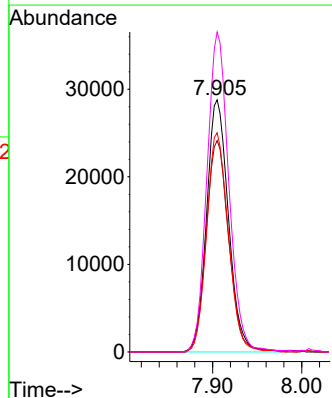
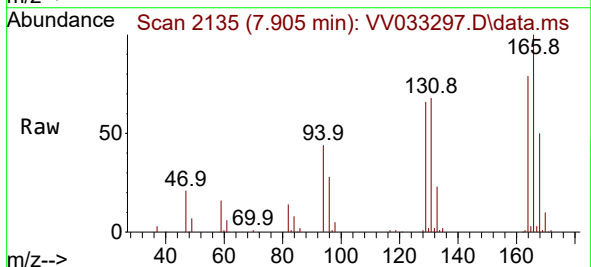
Ion	Ratio	Lower	Upper
97	100		
99	59.8	44.5	82.7
83	75.0	54.7	101.5
85	49.9	33.7	62.7

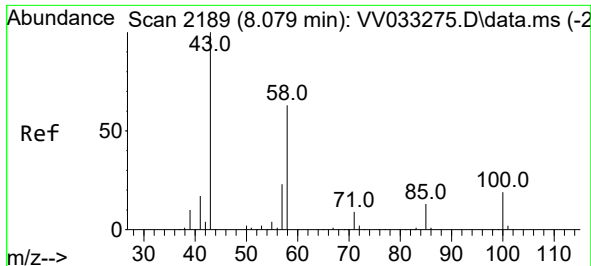


#47
Tetrachloroethene
Concen: 5.094 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion: 164 Resp: 49013

Ion	Ratio	Lower	Upper
164	100		
129	83.9	62.6	116.3
131	86.9	62.6	116.3
166	126.9	90.2	167.6

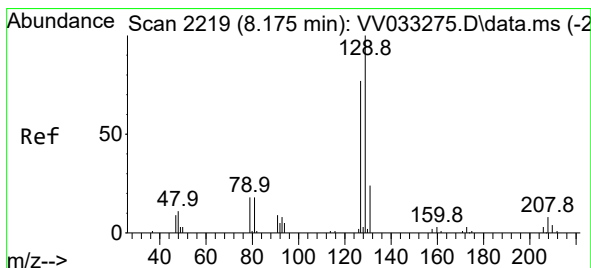
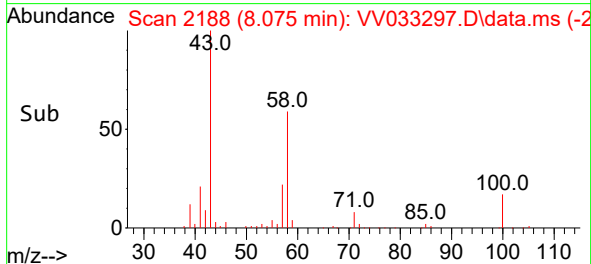
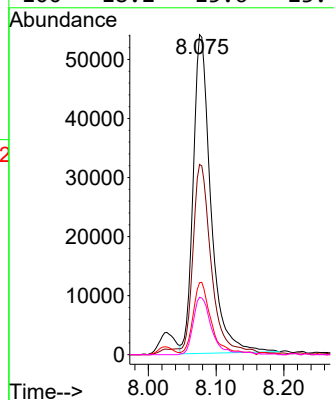
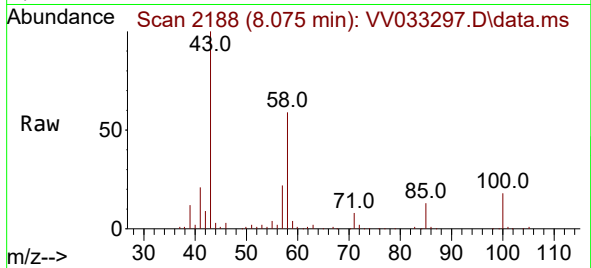




#48
2-Hexanone
Concen: 54.860 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

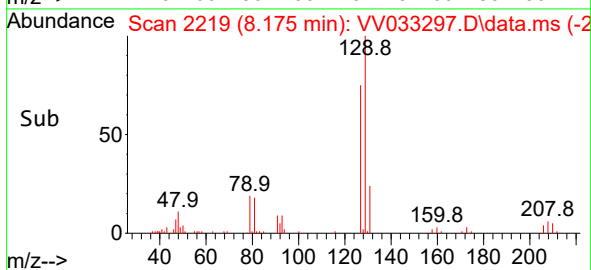
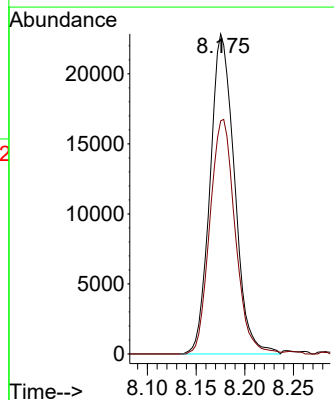
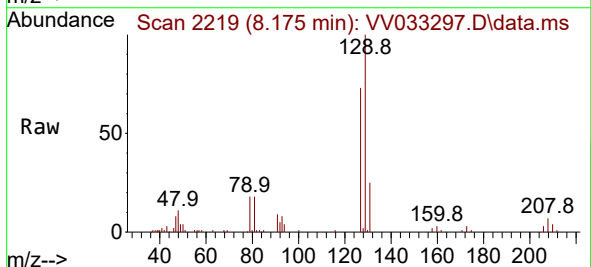
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

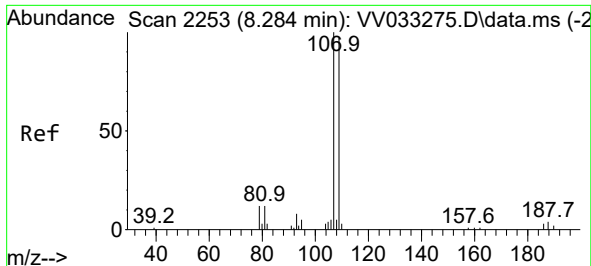
Tgt Ion: 43	Resp: 98090
Ion Ratio	Lower Upper
43 100	
58 61.3	48.6 72.8
57 21.8	18.1 27.1
100 18.2	15.6 23.4



#49
Dibromochloromethane
Concen: 5.266 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion:129	Resp:	39881	
Ion	Ratio	Lower	Upper
129	100		
127	72.8	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.371 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MS

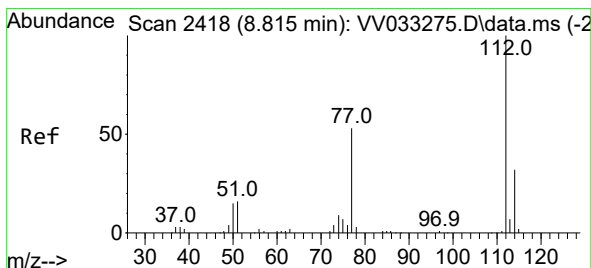
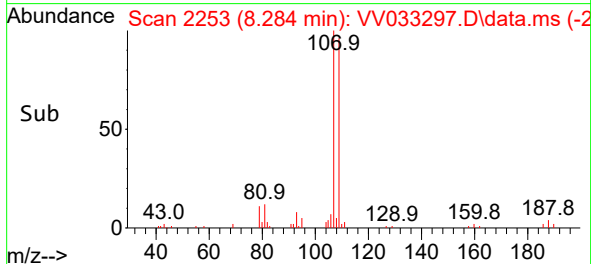
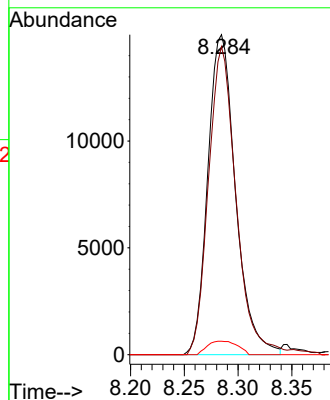
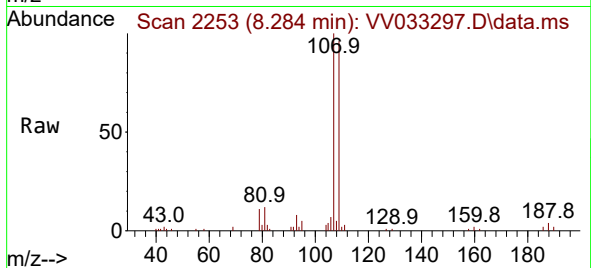
Tgt Ion:107 Resp: 26927

Ion Ratio Lower Upper

107 100

109 96.3 64.2 119.2

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 5.177 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

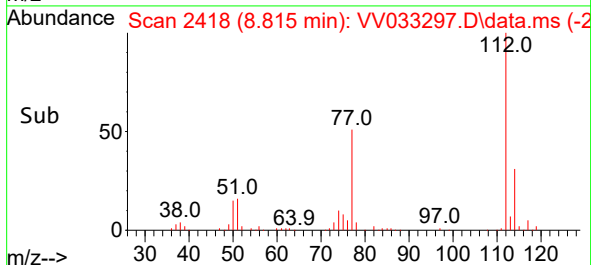
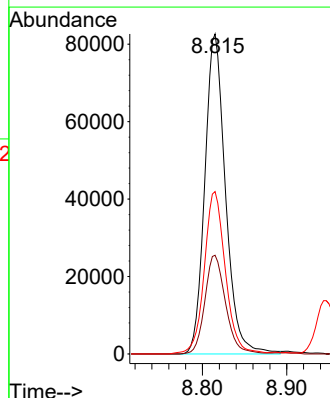
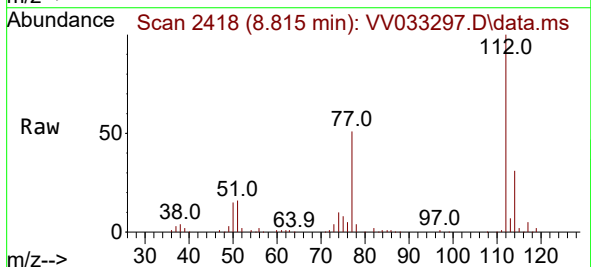
Tgt Ion:112 Resp: 141559

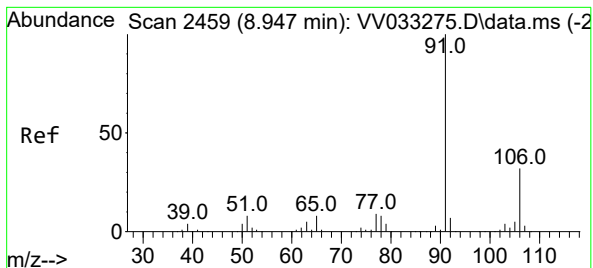
Ion Ratio Lower Upper

112 100

114 30.9 22.8 42.4

77 50.7 41.3 61.9





#52

Ethylbenzene

Concen: 5.842 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

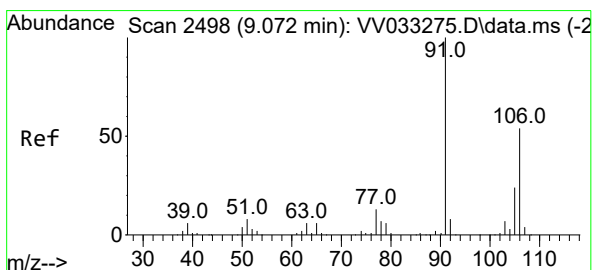
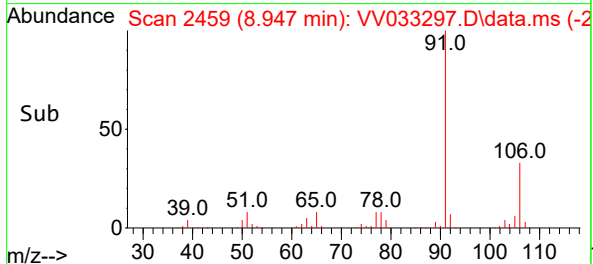
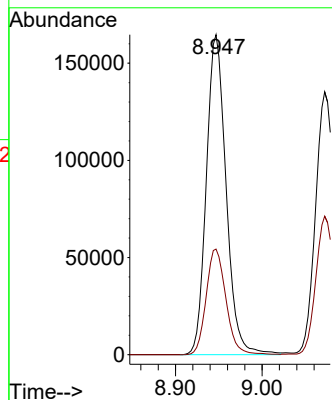
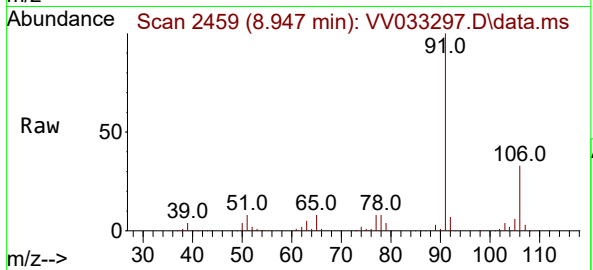
E0Y50MS

Tgt Ion: 91 Resp: 261305

Ion Ratio Lower Upper

91 100

106 33.0 22.7 42.3



#53

m,p-Xylene

Concen: 6.085 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033297.D

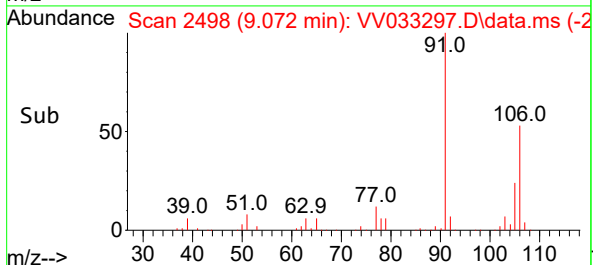
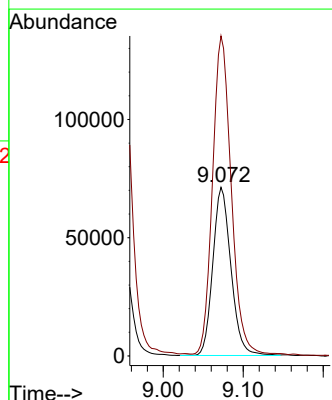
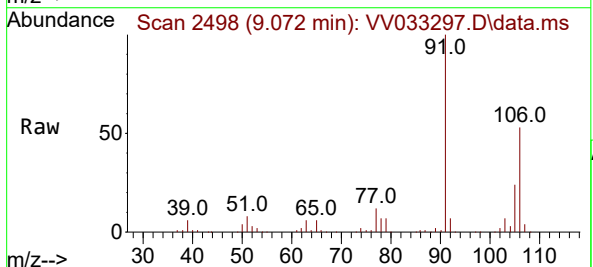
Acq: 13 Dec 2023 23:32

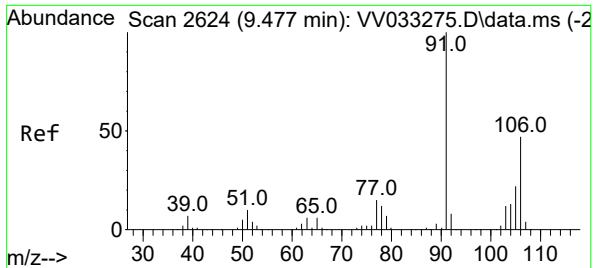
Tgt Ion:106 Resp: 112027

Ion Ratio Lower Upper

106 100

91 189.7 136.8 254.0

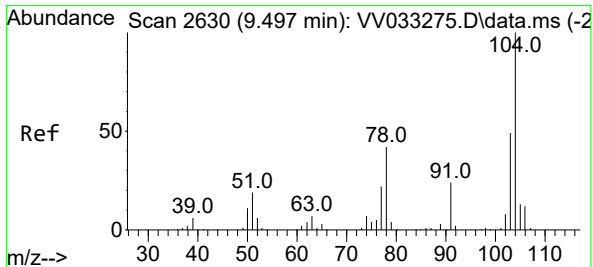
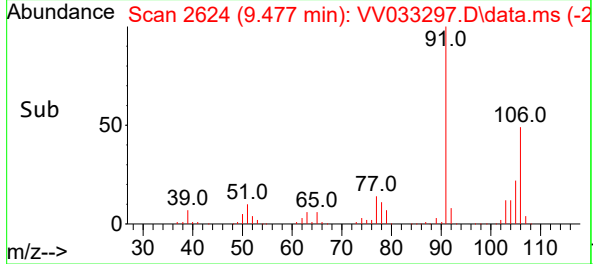
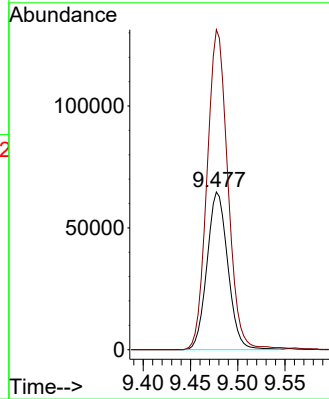
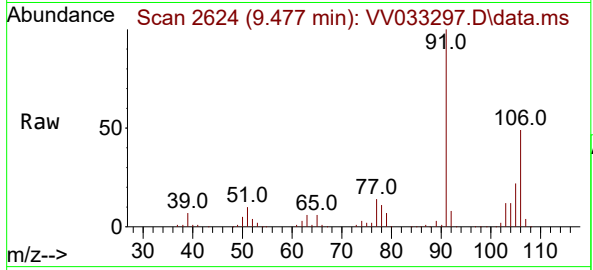




#54
o-Xylene
Concen: 5.691 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

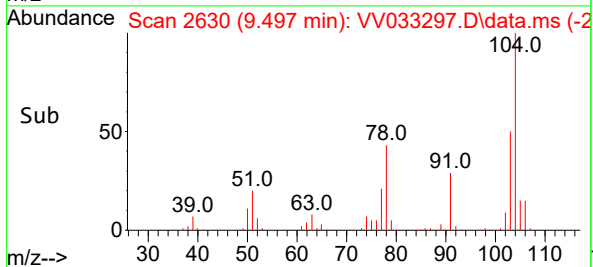
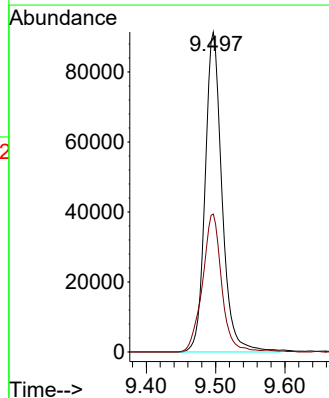
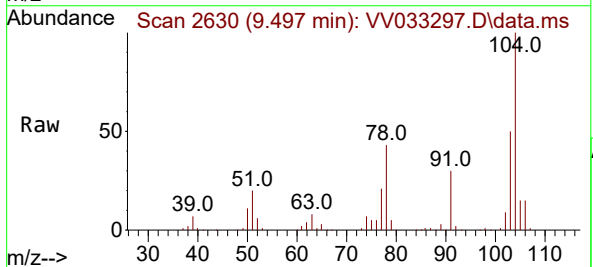
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

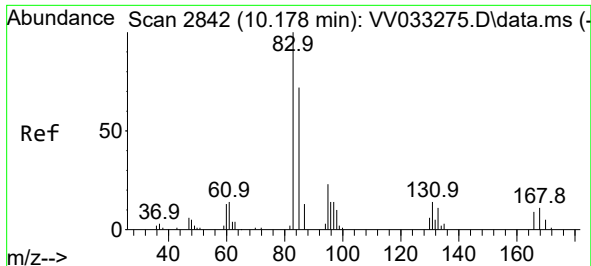
Tgt Ion:106 Resp: 99227
Ion Ratio Lower Upper
106 100
91 202.8 149.9 278.5



#55
Styrene
Concen: 5.398 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion:104 Resp: 154406
Ion Ratio Lower Upper
104 100
78 43.1 29.9 55.5

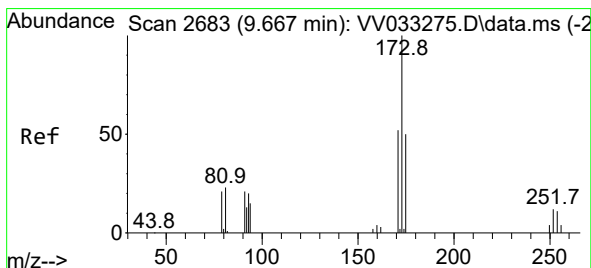
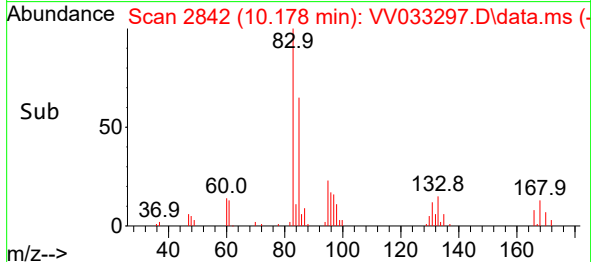
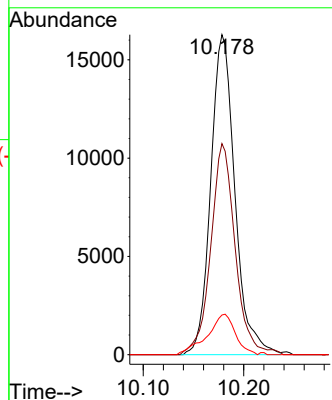
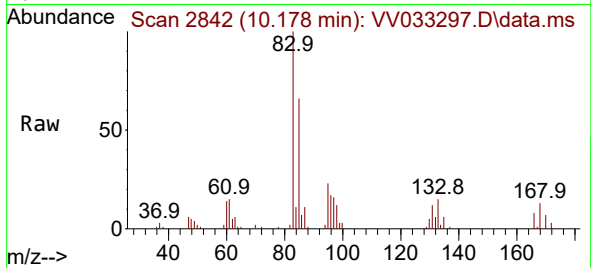




#57
1,1,2,2-Tetrachloroethane
Concen: 5.166 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

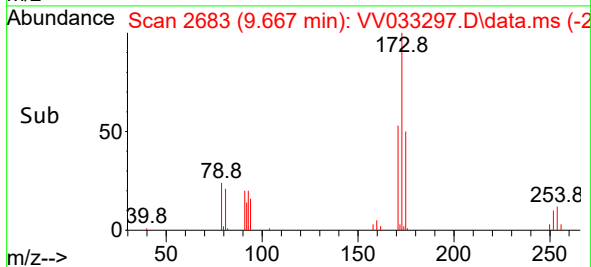
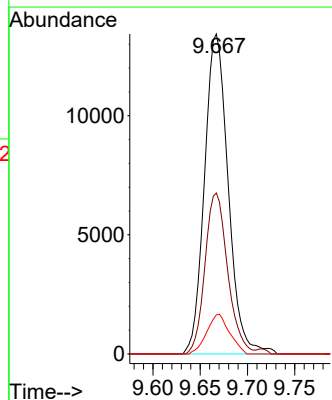
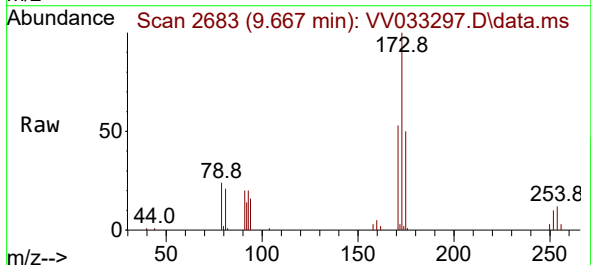
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

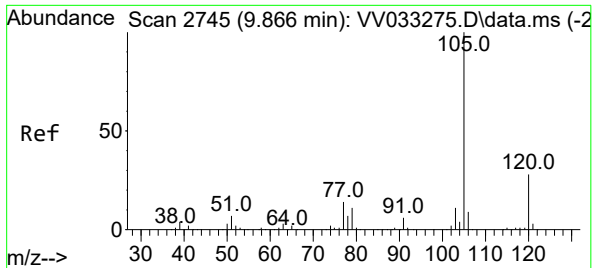
Tgt Ion: 83 Resp: 27180
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4
131 12.4 11.5 17.3



#59
Bromoform
Concen: 5.124 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion: 173 Resp: 23460
Ion Ratio Lower Upper
173 100
175 48.1 37.0 55.4
254 11.9 8.5 12.7

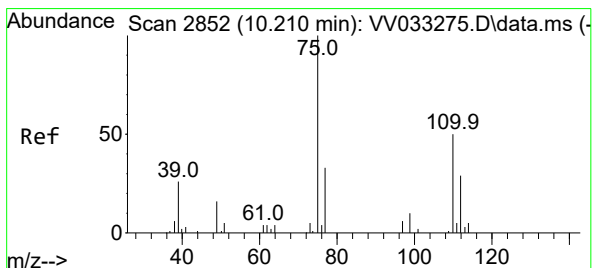
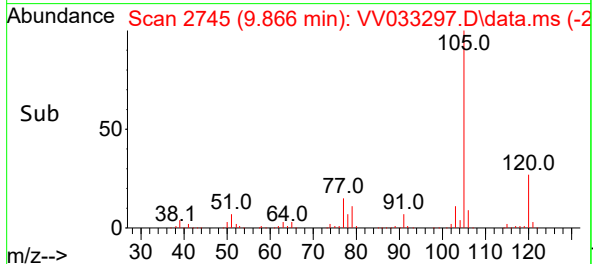
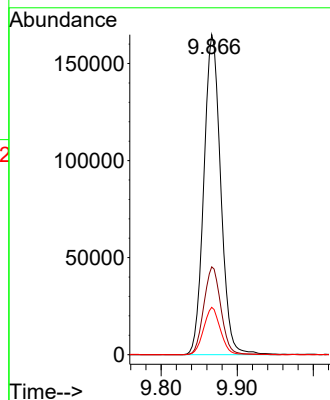
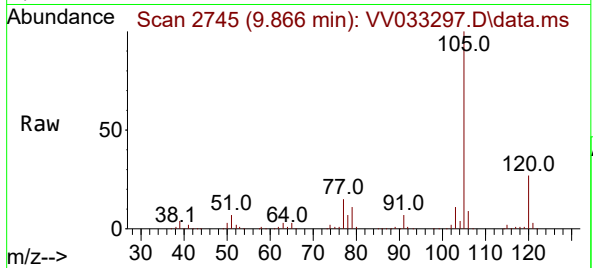




#60
Isopropylbenzene
Concen: 5.152 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

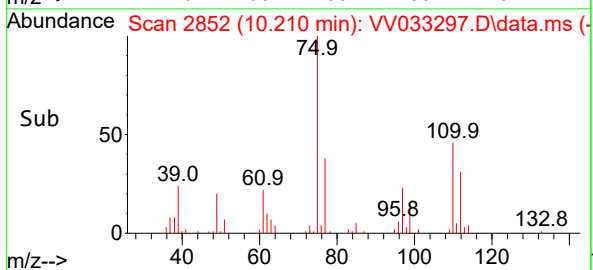
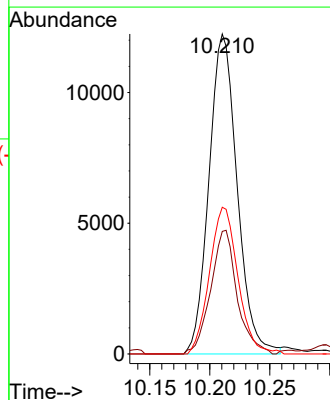
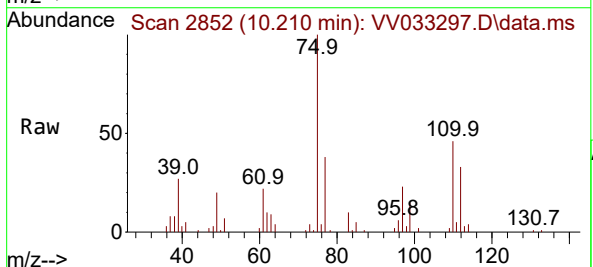
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

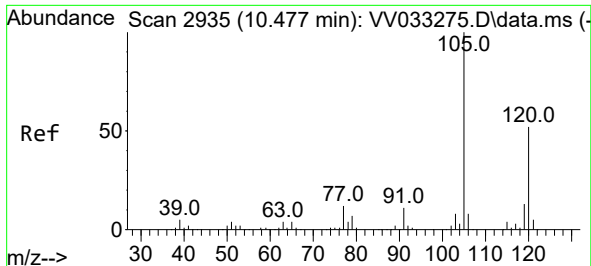
Tgt Ion:105 Resp: 254405
Ion Ratio Lower Upper
105 100
120 27.8 22.2 33.4
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.064 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion: 75 Resp: 20005
Ion Ratio Lower Upper
75 100
77 36.2 27.4 41.2
110 46.3 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 5.166 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

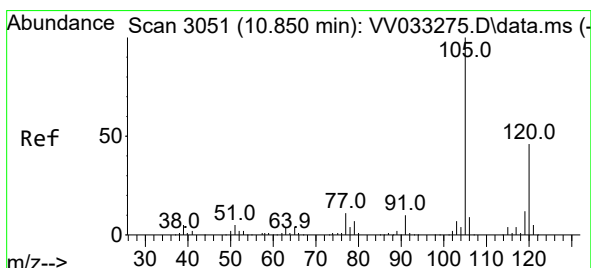
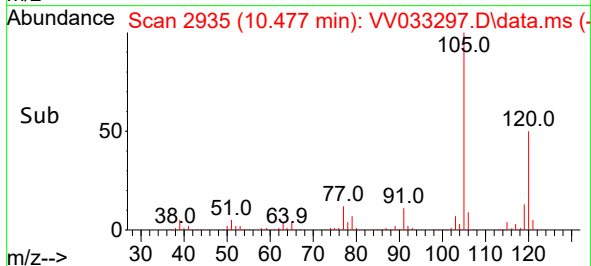
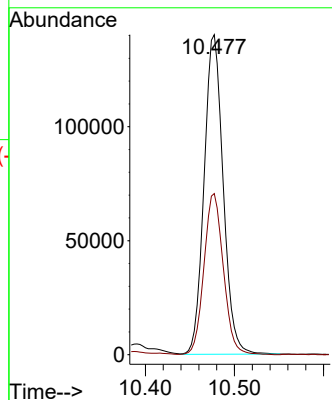
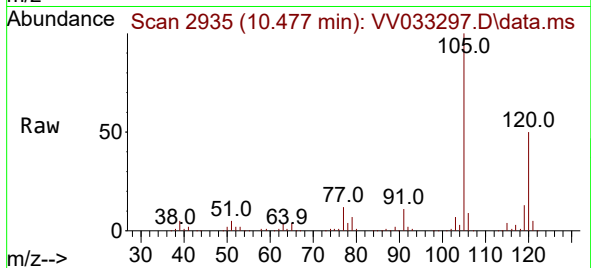
EOY50MS

Tgt Ion:105 Resp: 208604

Ion Ratio Lower Upper

105 100

120 51.3 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 5.408 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033297.D

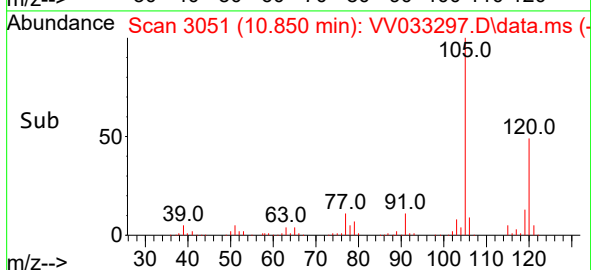
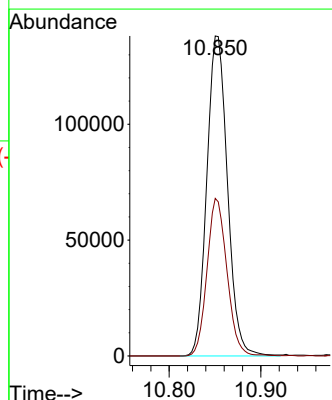
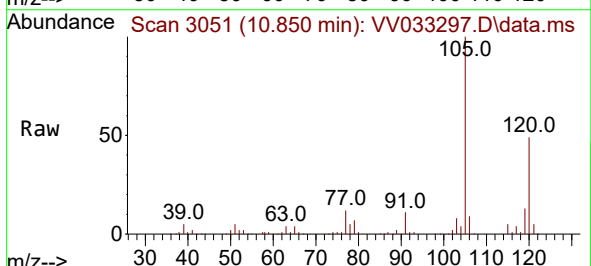
Acq: 13 Dec 2023 23:32

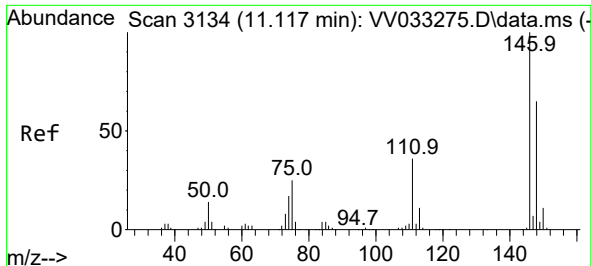
Tgt Ion:105 Resp: 216027

Ion Ratio Lower Upper

105 100

120 47.6 38.1 57.1

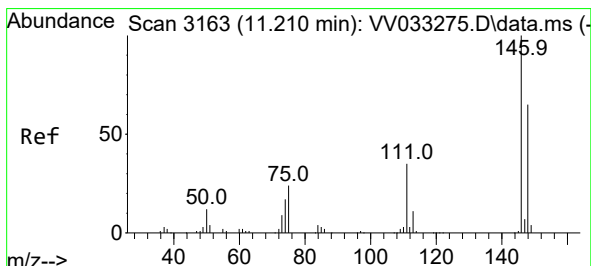
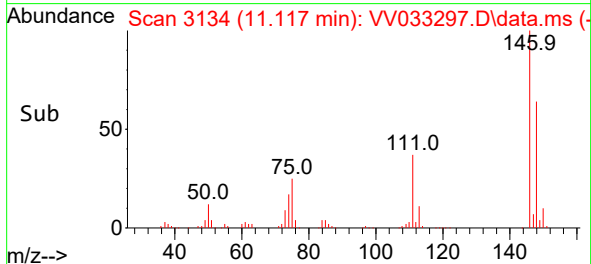
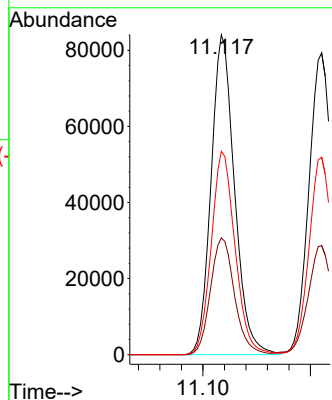
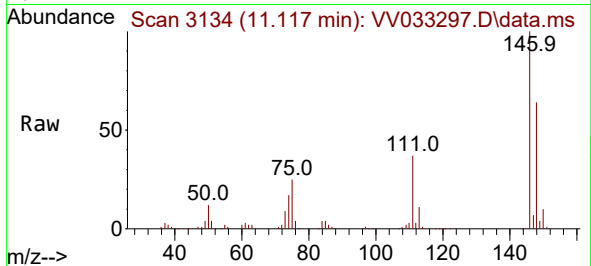




#64
1,3-Dichlorobenzene
Concen: 5.072 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

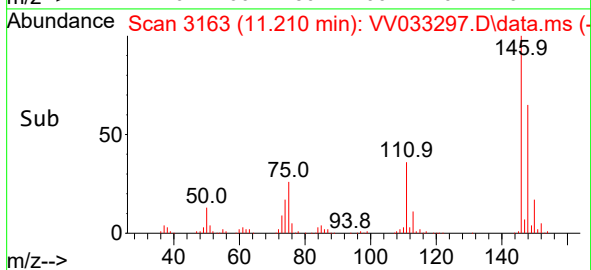
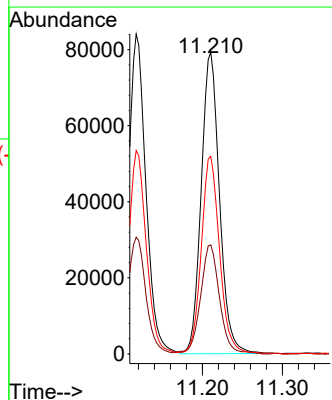
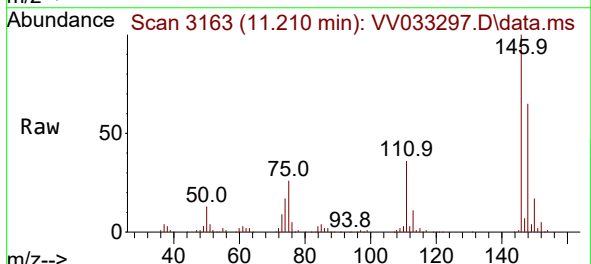
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

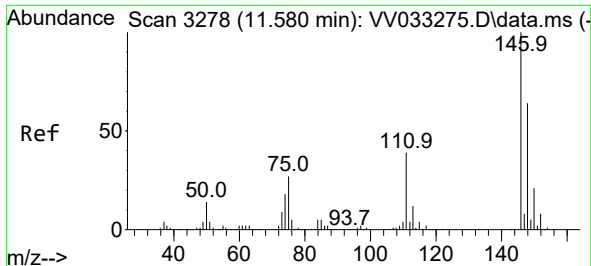
Tgt Ion:146 Resp: 127454
Ion Ratio Lower Upper
146 100
111 36.5 26.0 48.2
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.046 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion:146 Resp: 126158
Ion Ratio Lower Upper
146 100
111 36.2 25.6 47.4
148 65.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.184 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

Instrument :

MSVOA_V

ClientSampleId :

EOY50MS

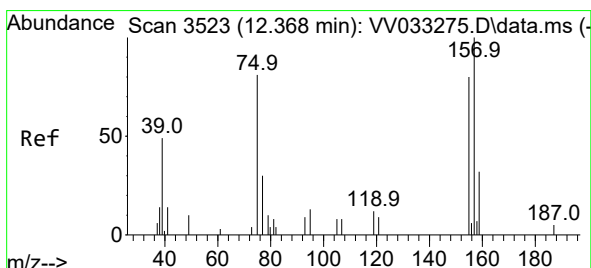
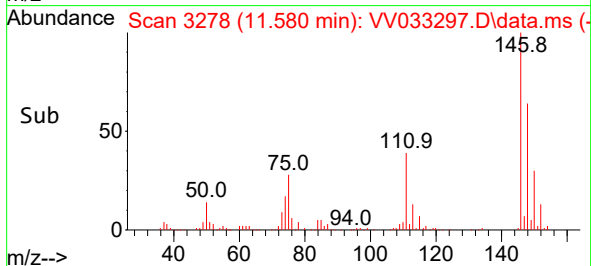
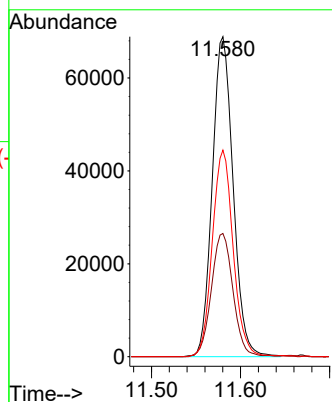
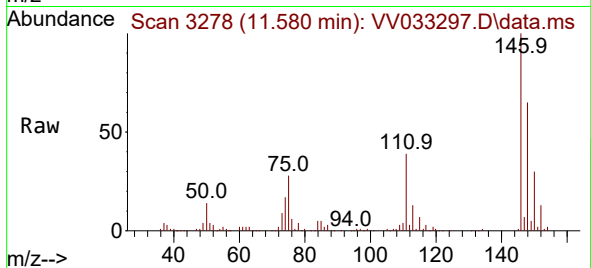
Tgt Ion:146 Resp: 111994

Ion Ratio Lower Upper

146 100

111 38.5 31.0 46.4

148 64.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.148 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV033297.D

Acq: 13 Dec 2023 23:32

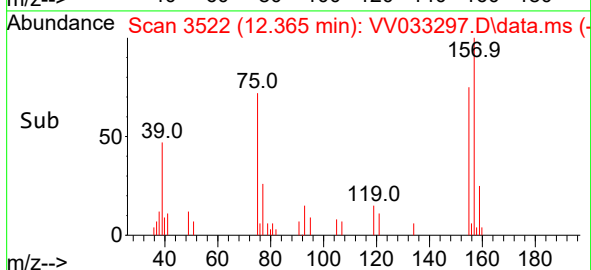
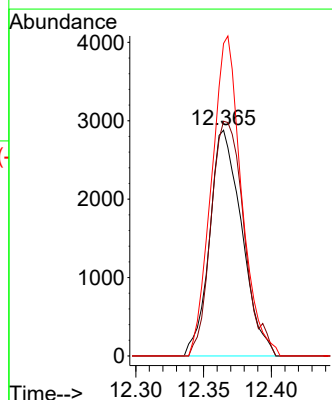
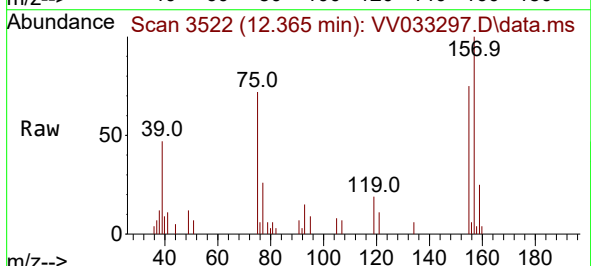
Tgt Ion: 75 Resp: 4756

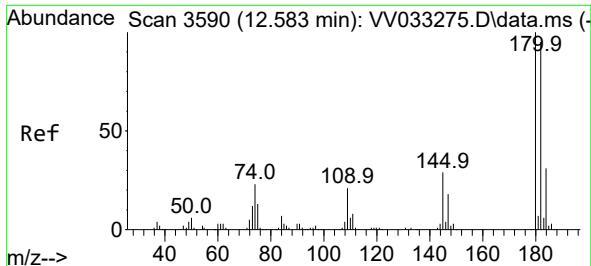
Ion Ratio Lower Upper

75 100

155 104.0 79.8 119.8

157 138.4 110.2 165.2

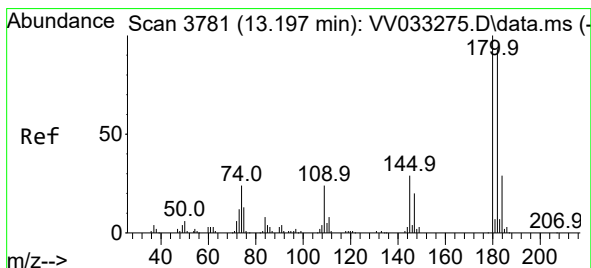
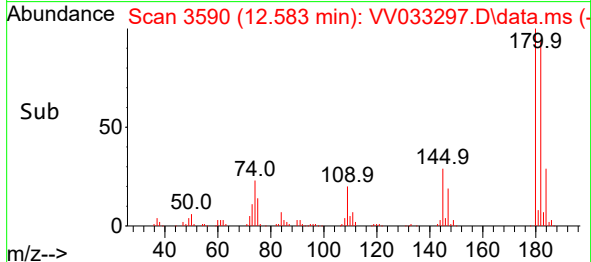
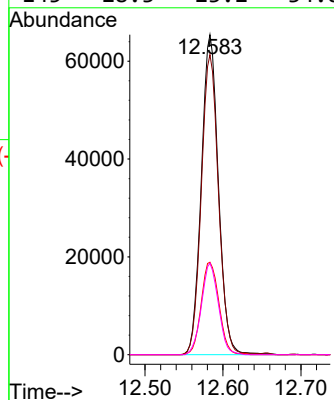
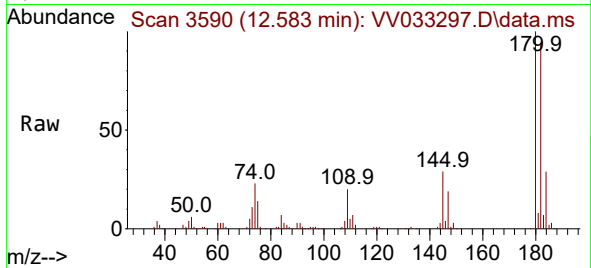




#69
 1,3,5-Trichlorobenzene
 Concen: 4.972 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

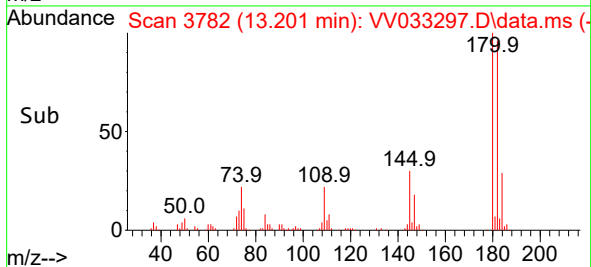
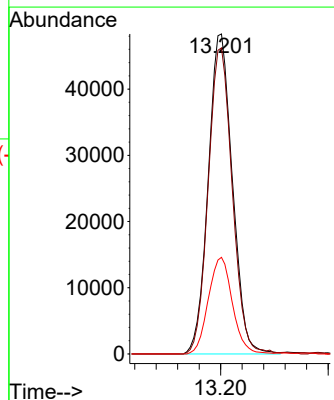
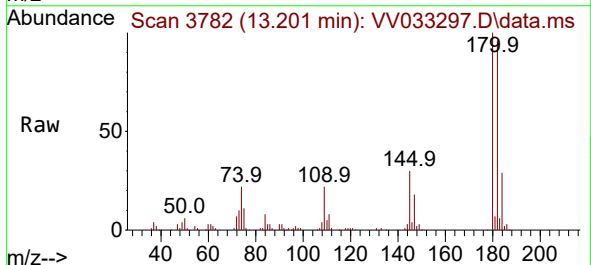
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y50MS

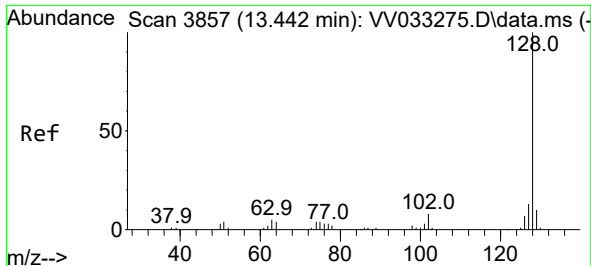
Tgt Ion:180 Resp: 99742
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.1 114.1
 184 30.0 24.5 36.7
 145 28.3 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.890 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV033297.D
 Acq: 13 Dec 2023 23:32

Tgt Ion:180 Resp: 75563
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.2 111.4
 145 30.0 22.6 34.0

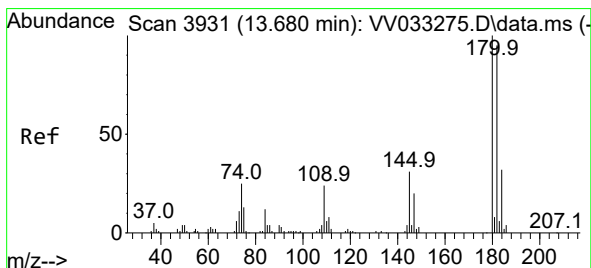
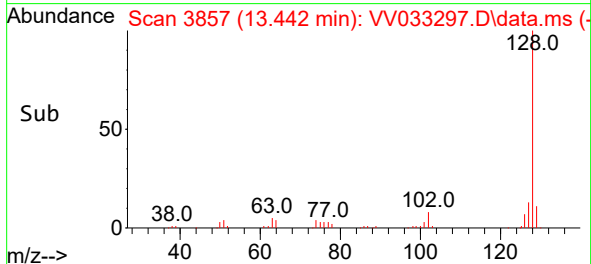
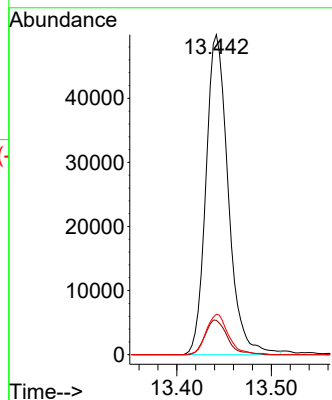
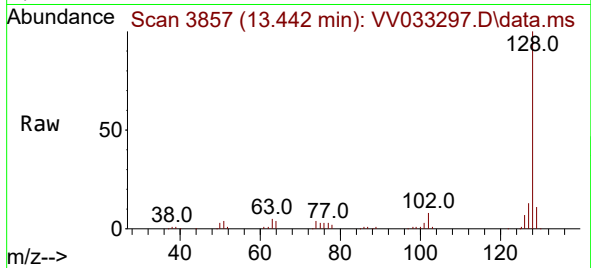




#71
Naphthalene
Concen: 4.568 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y50MS

Tgt Ion:128 Resp: 81778
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.7 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.975 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033297.D
Acq: 13 Dec 2023 23:32

Tgt Ion:180 Resp: 61719
Ion Ratio Lower Upper
180 100
182 96.3 78.8 118.2
145 31.6 26.6 40.0

