

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033298.D
 Acq On : 13 Dec 2023 23:56
 Operator : SY/MD
 Sample : 05731-04MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY50MSD

Quant Time: Dec 14 01:02:48 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	136322	5.000	ug/L	0.00
28) Chlorobenzene-d5		8.786	117	132755	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.185	152	75936	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.278	65	43942	5.028	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.600%		
7) Chloroethane-d5		1.532	69	32986	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 101.600%		
11) 1,1-Dichloroethene-d2		2.060	65	16671	4.793	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 95.800%		
20) 2-Butanone-d5		3.802	46	60509	58.509	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	= 117.020%		
24) Chloroform-d		4.249	84	97900	5.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.400%		
26) 1,2-Dichloroethane-d4		4.944	65	43721	5.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 110.400%		
32) Benzene-d6		4.960	84	184158	5.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.200%		
36) 1,2-Dichloropropane-d6		5.985	67	42075	5.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 107.600%		
41) Toluene-d8		7.243	98	180304	5.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 107.800%		
43) trans-1,3-Dichloroprop...		7.555	79	19066	5.347	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 107.000%		
46) 2-Hexanone-d5		8.027	63	61736	62.014	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 124.020%		
56) 1,1,2,2-Tetrachloroeth...		10.152	84	29398	5.561	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 111.200%		
66) 1,2-Dichlorobenzene-d4		11.561	152	72428	5.415	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 108.400%		
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.105	85	85730	5.041	ug/L	98
3) Chloromethane		1.214	50	50246	5.168	ug/L	98
5) Vinyl chloride		1.281	62	49518	5.032	ug/L	99
6) Bromomethane		1.487	94	31699	4.915	ug/L	98
8) Chloroethane		1.548	64	27172	4.786	ug/L	93
9) Trichlorofluoromethane		1.712	101	90197	4.996	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...		2.069	101	40737	4.880	ug/L	99
12) 1,1-Dichloroethene		2.069	96	38501	4.933	ug/L	96
13) Acetone		2.130	43	36844	50.336	ug/L #	57
14) Carbon disulfide		2.243	76	123976	4.878	ug/L	99
15) Methyl Acetate		2.381	43	8010	4.129	ug/L #	83
16) Methylene chloride		2.445	84	43022	4.786	ug/L	93
17) Methyl tert-butyl Ether		2.703	73	84383	5.250	ug/L #	88
18) trans-1,2-Dichloroethene		2.696	96	47486	5.025	ug/L	97
19) 1,1-Dichloroethane		3.111	63	73885	4.983	ug/L	98
21) 2-Butanone		3.883	43	54616	51.219	ug/L	99
22) cis-1,2-Dichloroethene		3.815	96	51336	5.258	ug/L	94
23) Bromochloromethane		4.149	128	22370	5.306	ug/L	91
25) Chloroform		4.275	83	97336	5.567	ug/L	96

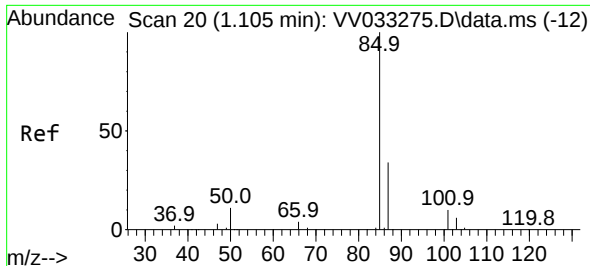
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	51360	5.352	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	92303	5.014	ug/L	99
30) Cyclohexane	4.584	56	66640	5.674	ug/L	98
31) Carbon tetrachloride	4.735	117	90346	5.253	ug/L	96
33) Benzene	5.008	78	209013	5.876	ug/L	100
34) Trichloroethene	5.831	95	66238	6.387	ug/L	98
35) Methylcyclohexane	6.050	83	87482	5.695	ug/L	99
37) 1,2-Dichloropropane	6.095	63	34857	4.872	ug/L	96
38) Bromodichloromethane	6.432	83	60445	5.264	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	61085	5.257	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	142786	56.398	ug/L	99
42) Toluene	7.313	91	319339	7.837	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	50371	5.201	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	29199	5.299	ug/L	97
47) Tetrachloroethene	7.905	164	50965	5.190	ug/L	96
48) 2-Hexanone	8.079	43	104024	57.008	ug/L	98
49) Dibromochloromethane	8.178	129	41290	5.342	ug/L	100
50) 1,2-Dibromoethane	8.284	107	28020	5.476	ug/L	90
51) Chlorobenzene	8.815	112	144231	5.168	ug/L	100
52) Ethylbenzene	8.947	91	263711	5.777	ug/L	99
53) m,p-Xylene	9.072	106	111394	5.929	ug/L	94
54) o-Xylene	9.477	106	99929	5.616	ug/L	94
55) Styrene	9.497	104	161244	5.523	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	28179	5.248	ug/L	98
59) Bromoform	9.667	173	24276	5.204	ug/L	96
60) Isopropylbenzene	9.866	105	257498	5.118	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	21646	5.378	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	208894	5.077	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	217733	5.350	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	132442	5.173	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	131457	5.161	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	114971	5.224	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	5137	5.457	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	103064	5.043	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	81105	5.152	ug/L	96
71) Naphthalene	13.442	128	96463	5.289	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	67365	5.330	ug/L	98

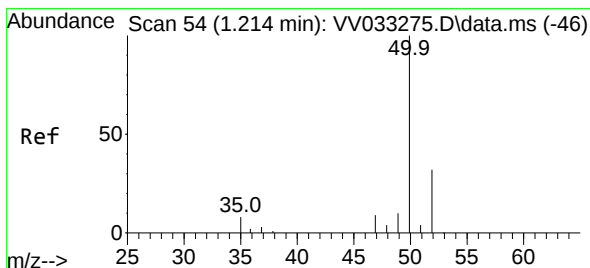
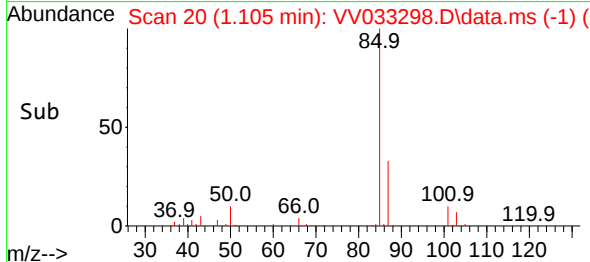
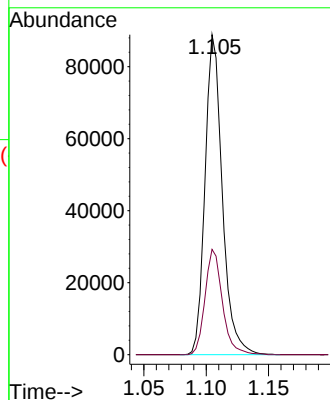
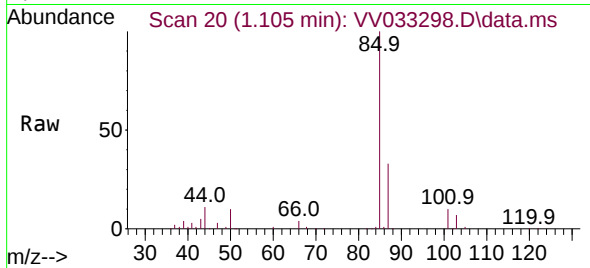
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.041 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

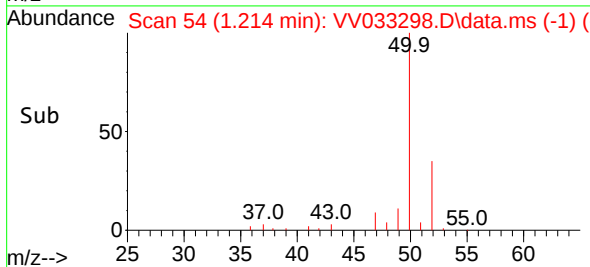
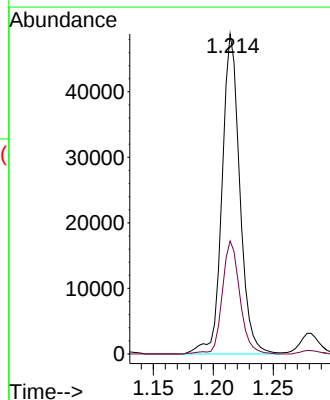
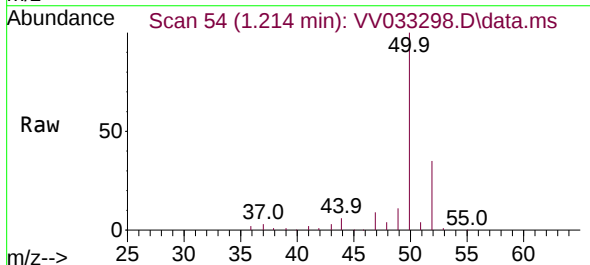
Instrument :
 MSVOA_V
 ClientSampleId :
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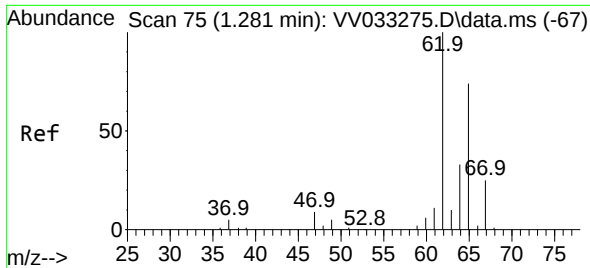
Tgt Ion: 85 Resp: 85730
 Ion Ratio Lower Upper
 85 100
 87 33.1 27.4 41.2



#3
 Chloromethane
 Concen: 5.168 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

Tgt Ion: 50 Resp: 50246
 Ion Ratio Lower Upper
 50 100
 52 35.3 23.8 44.2

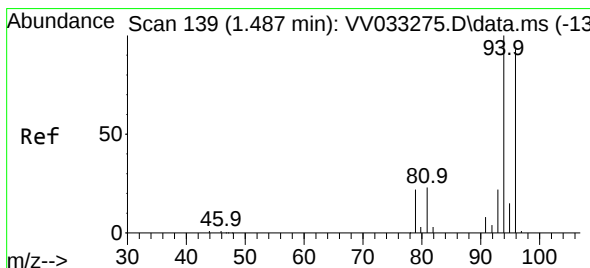
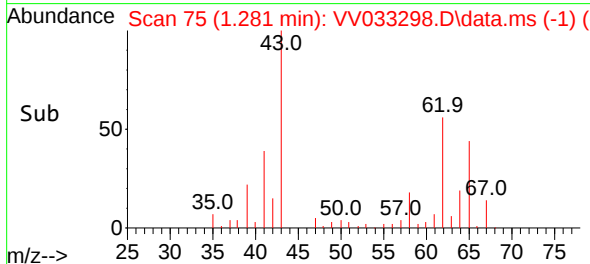
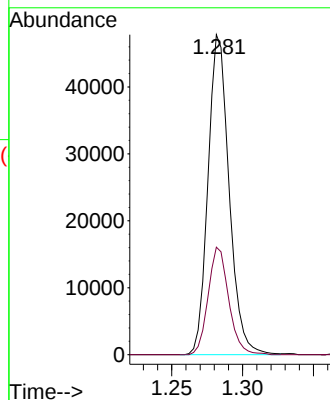
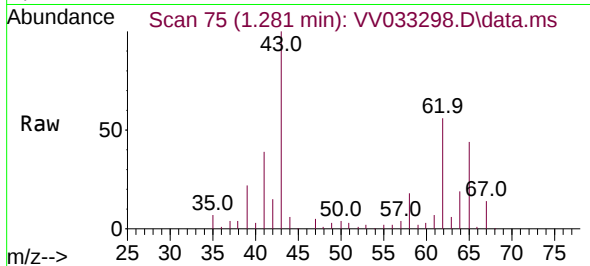




#5
 Vinyl chloride
 Concen: 5.032 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

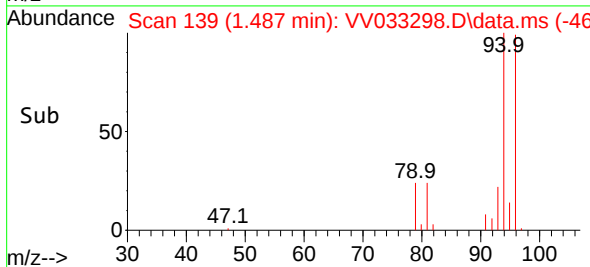
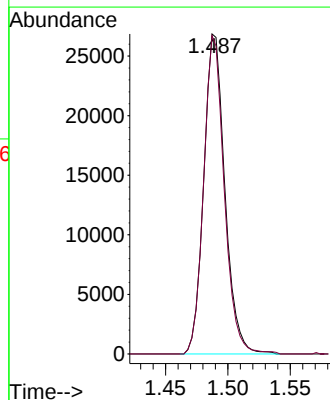
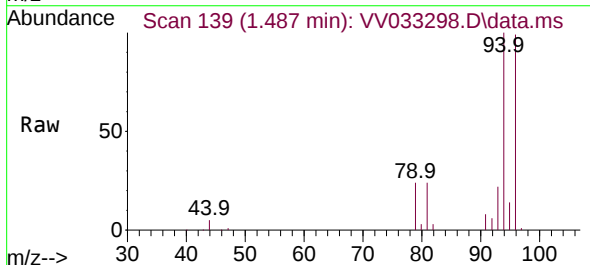
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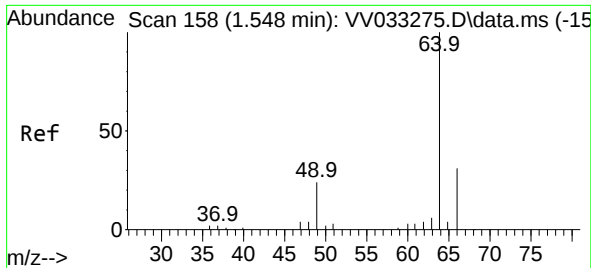
Tgt Ion:	62	Resp:	49518
Ion Ratio	Lower	Upper	
62	100		
64	33.6	23.0	42.8



#6
 Bromomethane
 Concen: 4.915 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

Tgt Ion:	94	Resp:	31699
Ion Ratio	Lower	Upper	
94	100		
96	99.4	68.3	126.8

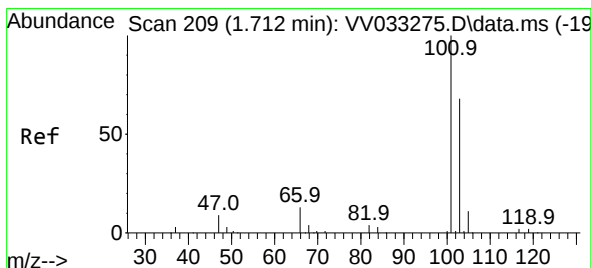
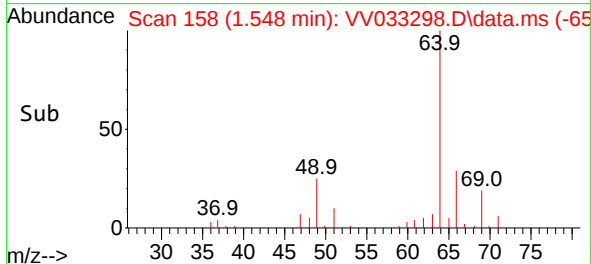
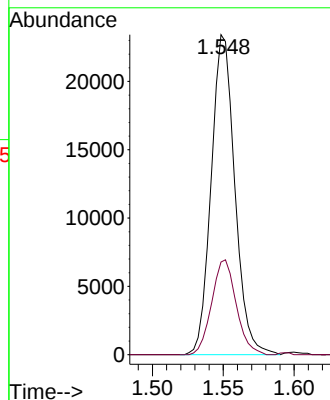
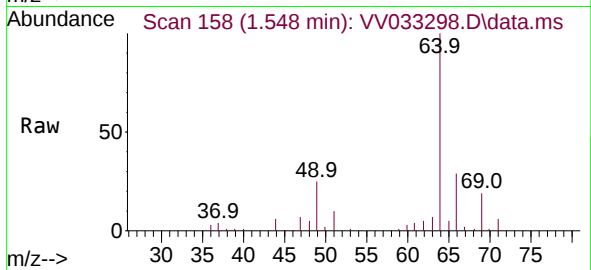




#8
Chloroethane
Concen: 4.786 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

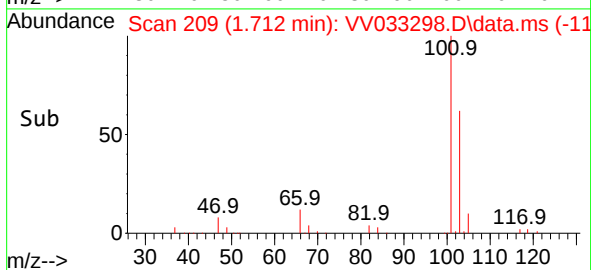
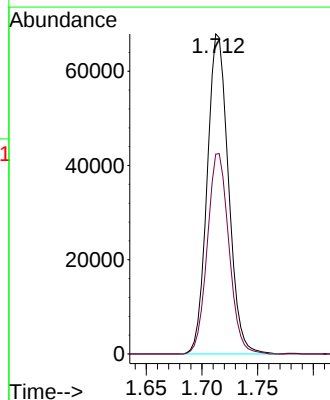
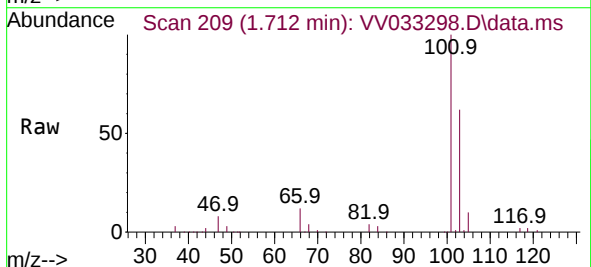
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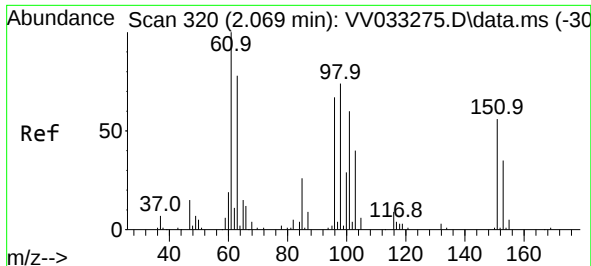
Tgt Ion: 64 Resp: 27172
Ion Ratio Lower Upper
64 100
66 29.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.996 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion:101 Resp: 90197
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.8

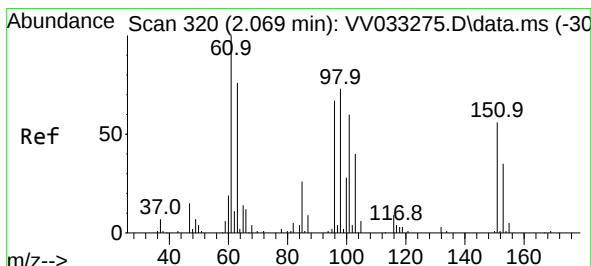
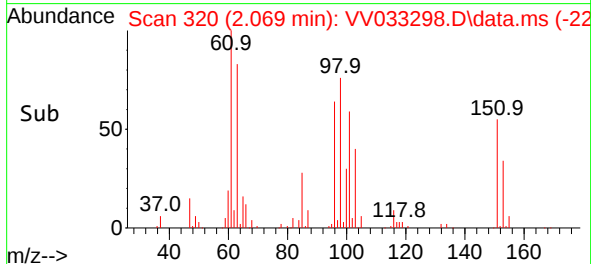
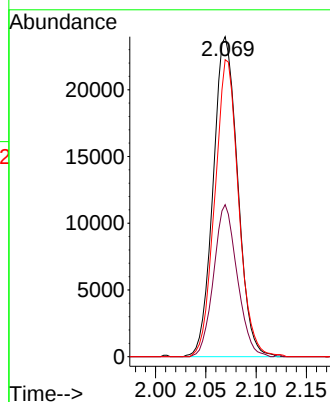
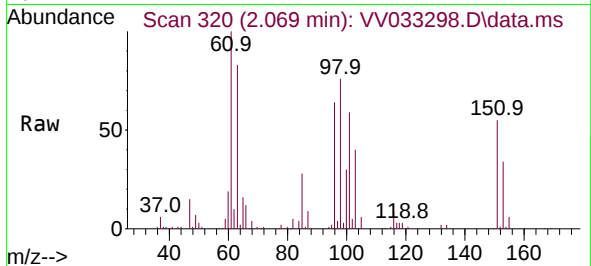




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.880 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

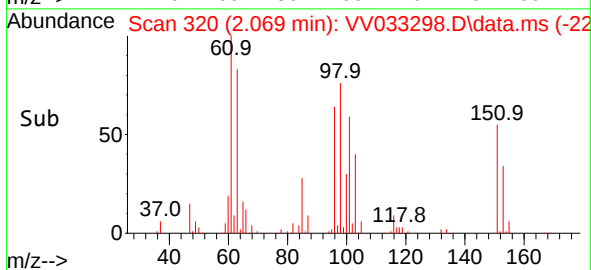
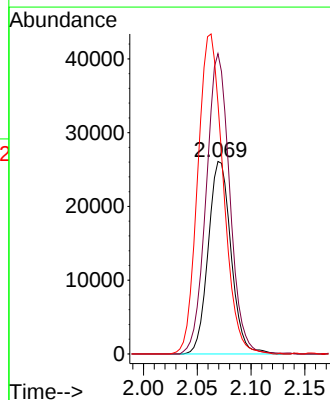
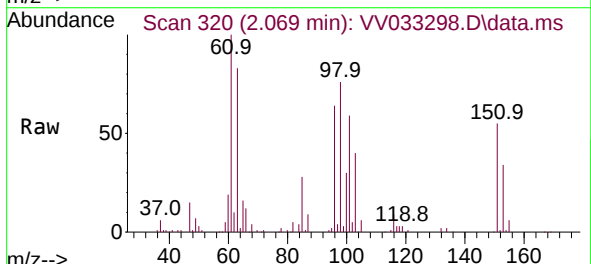
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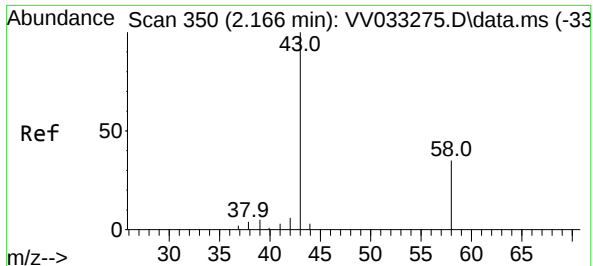
Tgt Ion:101 Resp: 40737
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.2 54.2
 151 90.0 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 4.933 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

Tgt Ion: 96 Resp: 38501
 Ion Ratio Lower Upper
 96 100
 61 156.0 111.6 207.2
 63 130.2 87.1 161.7





#13

Acetone

Concen: 50.336 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

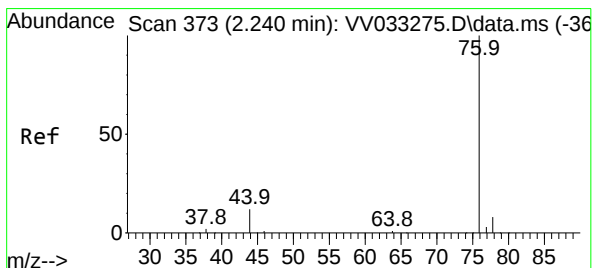
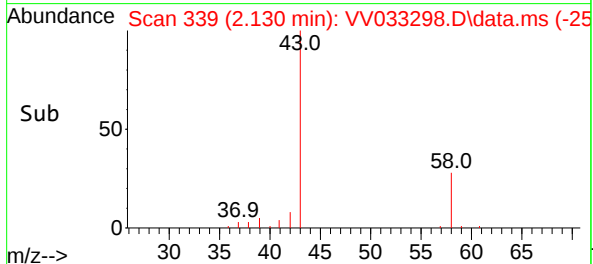
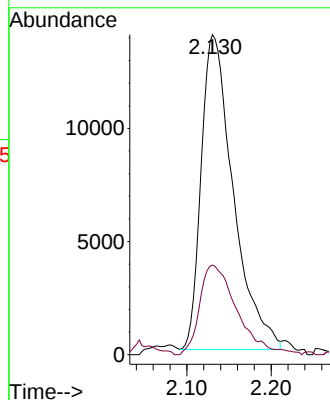
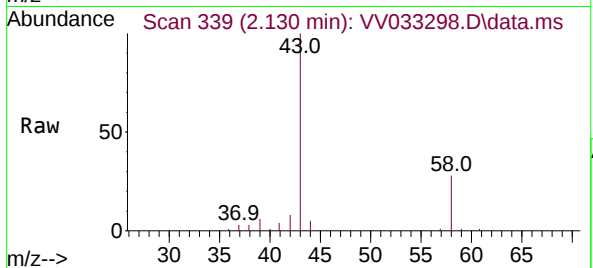
E0Y50MSD

Tgt Ion: 43 Resp: 36844

Ion Ratio Lower Upper

43 100

58 33.1 0.0 30.2#



#14

Carbon disulfide

Concen: 4.878 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033298.D

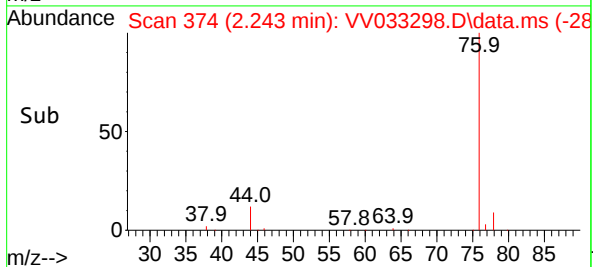
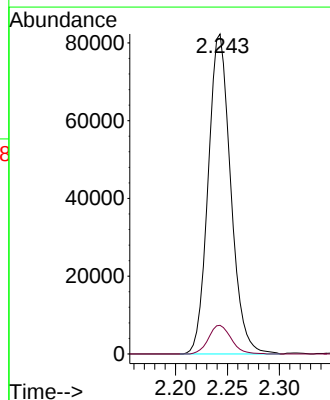
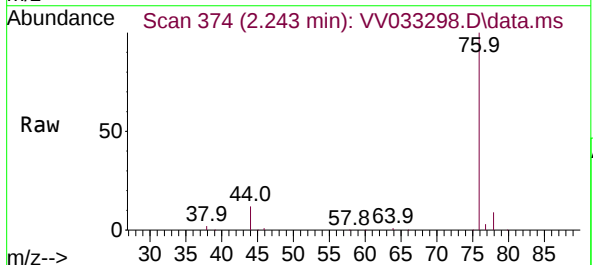
Acq: 13 Dec 2023 23:56

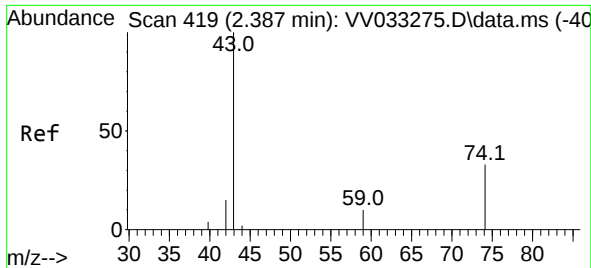
Tgt Ion: 76 Resp: 123976

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

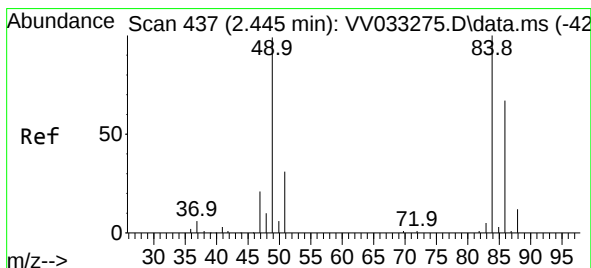
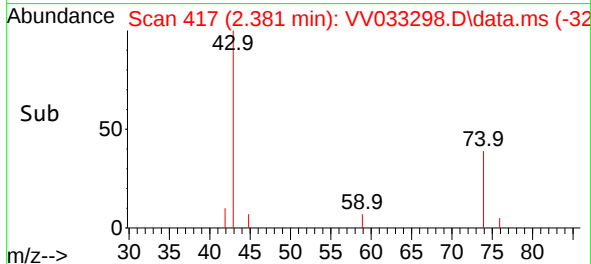
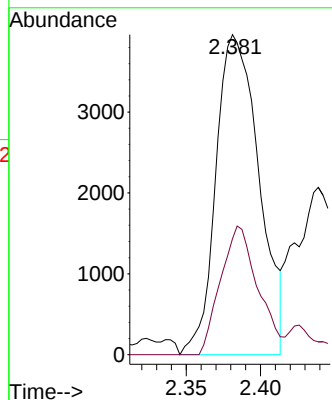
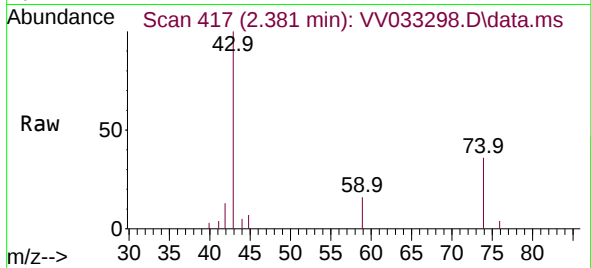




#15
Methyl Acetate
Concen: 4.129 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.006 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

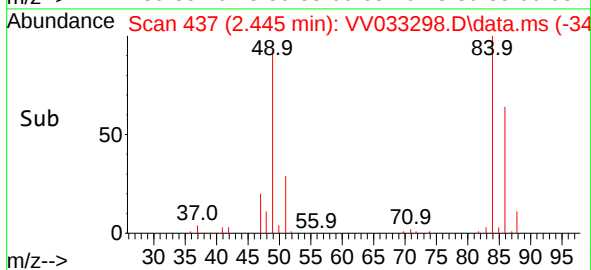
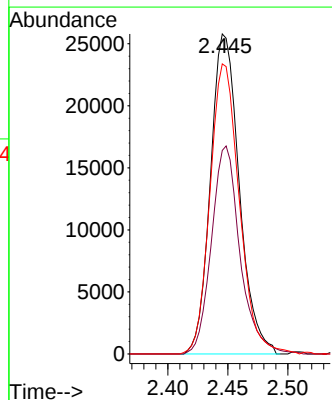
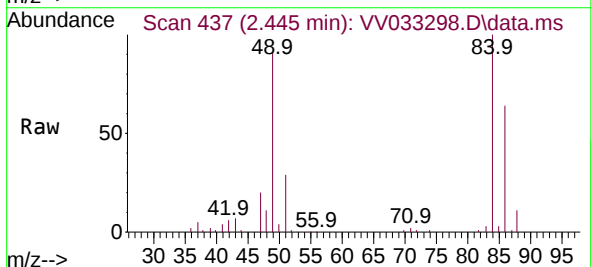
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

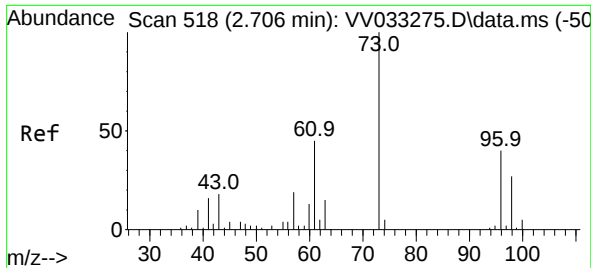
Tgt Ion: 43 Resp: 8010
Ion Ratio Lower Upper
43 100
74 35.2 21.0 31.6#



#16
Methylene chloride
Concen: 4.786 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion: 84 Resp: 43022
Ion Ratio Lower Upper
84 100
86 63.6 47.5 88.1
49 90.6 68.9 127.9

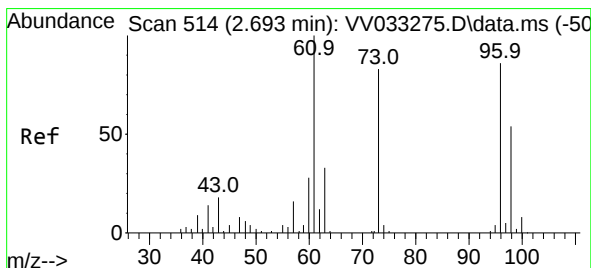
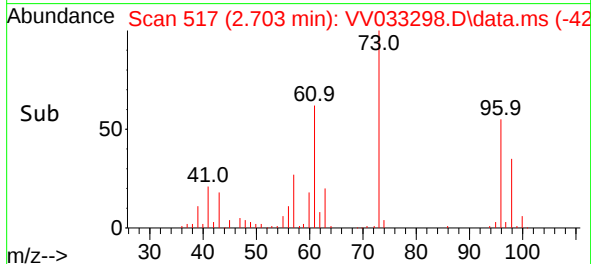
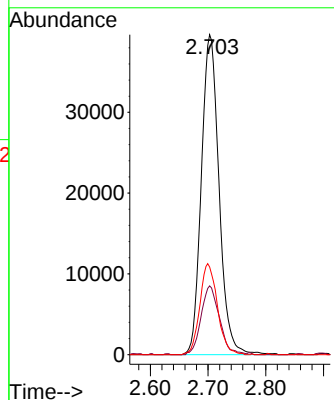
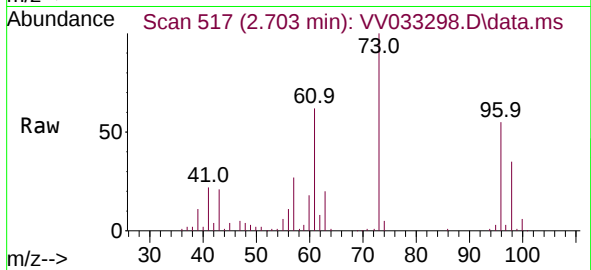




#17
Methyl tert-butyl Ether
Concen: 5.250 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

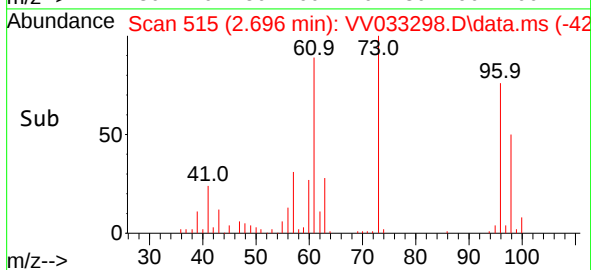
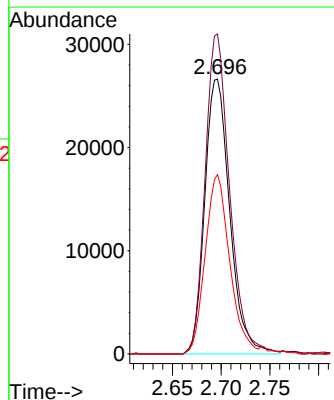
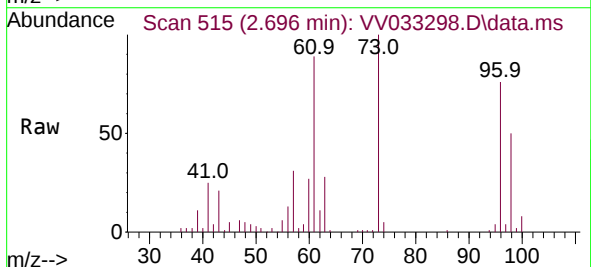
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

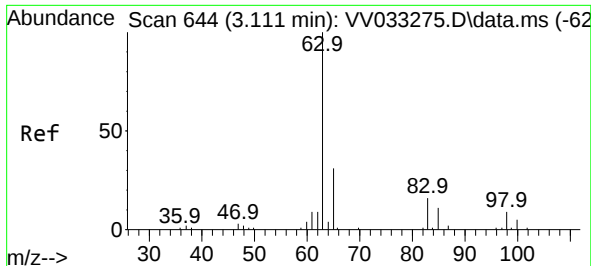
Tgt Ion: 73 Resp: 84383
Ion Ratio Lower Upper
73 100
43 22.2 16.0 24.0
57 28.3 15.6 23.4#



#18
trans-1,2-Dichloroethene
Concen: 5.025 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion: 96 Resp: 47486
Ion Ratio Lower Upper
96 100
61 116.4 84.6 157.2
98 65.2 46.7 86.7





#19

1,1-Dichloroethane

Concen: 4.983 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

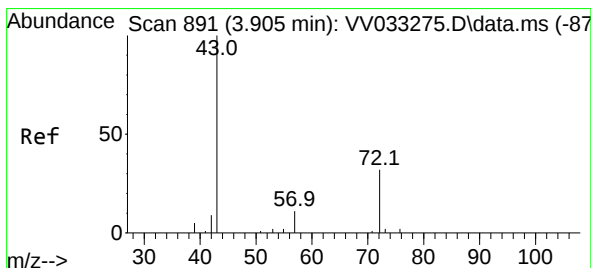
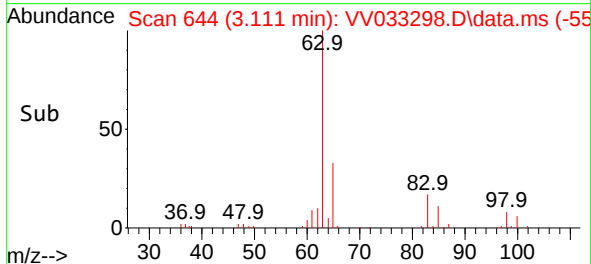
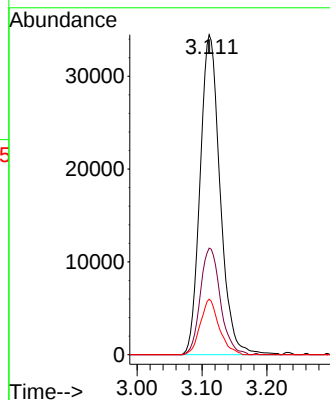
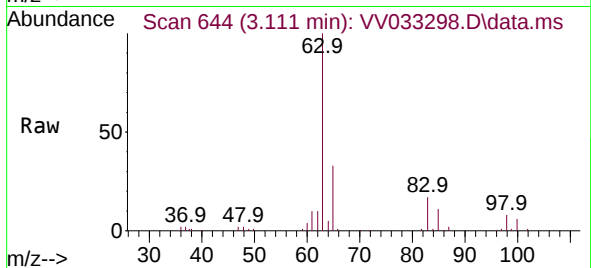
Tgt Ion: 63 Resp: 73885

Ion Ratio Lower Upper

63 100

65 33.8 22.9 42.5

83 17.4 12.6 23.4



#21

2-Butanone

Concen: 51.219 ug/L

RT: 3.883 min Scan# 884

Delta R.T. -0.022 min

Lab File: VV033298.D

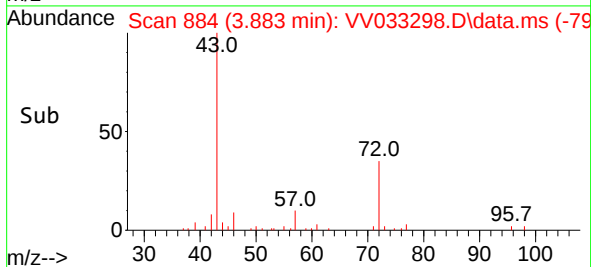
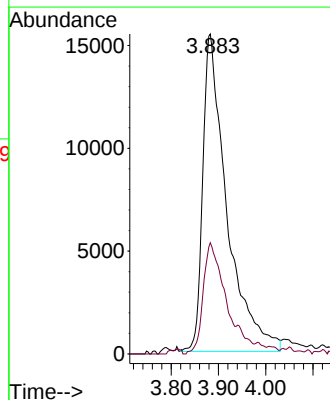
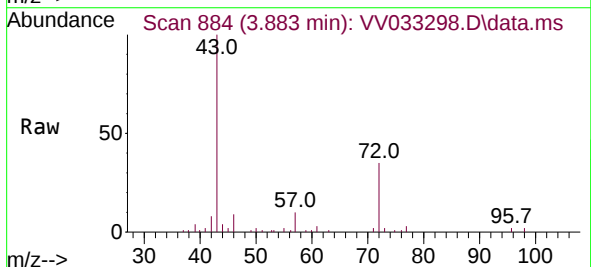
Acq: 13 Dec 2023 23:56

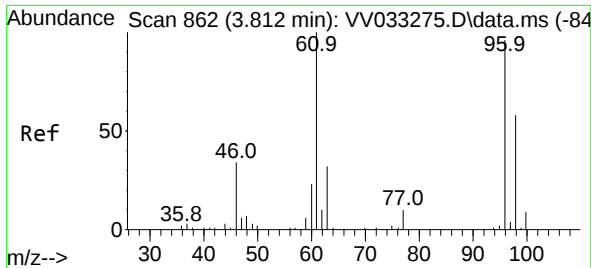
Tgt Ion: 43 Resp: 54616

Ion Ratio Lower Upper

43 100

72 30.0 14.8 44.3

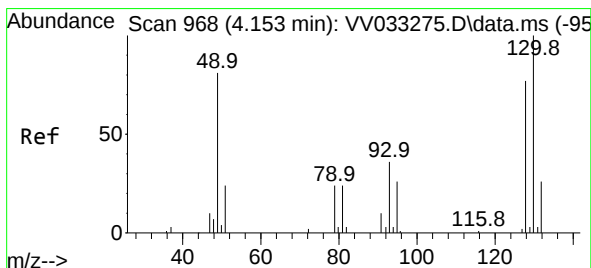
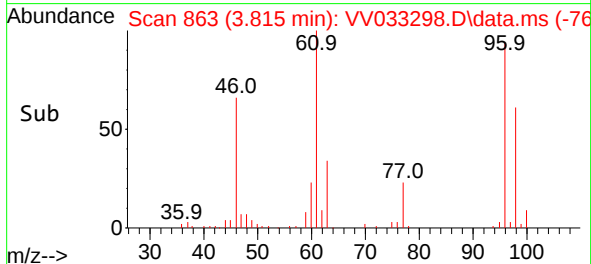
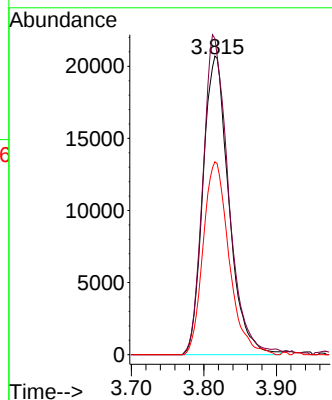
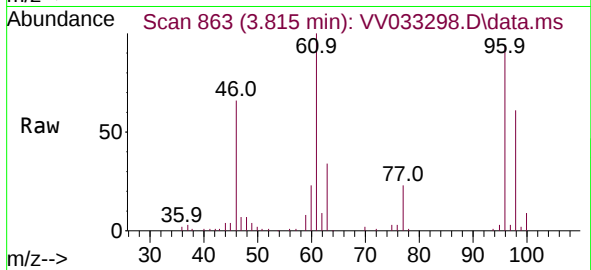




#22
 cis-1,2-Dichloroethene
 Concen: 5.258 ug/L
 RT: 3.815 min Scan# 862
 Delta R.T. 0.003 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

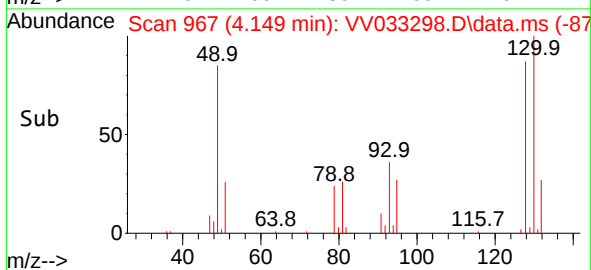
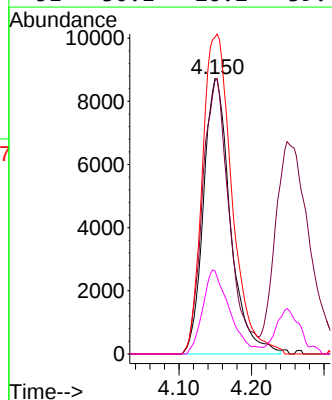
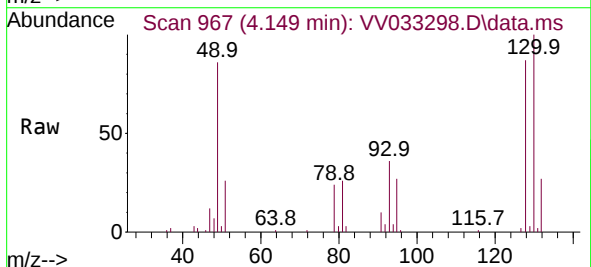
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y50MSD

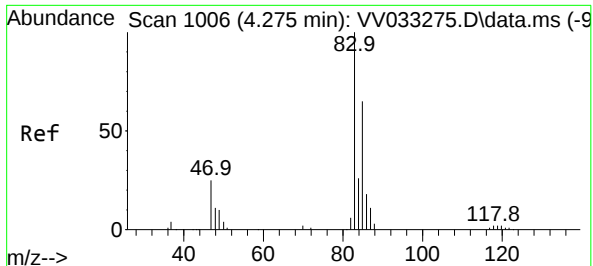
Tgt Ion: 96 Resp: 51336
 Ion Ratio Lower Upper
 96 100
 61 105.9 69.9 129.9
 98 64.7 42.4 78.8



#23
 Bromochloromethane
 Concen: 5.306 ug/L
 RT: 4.149 min Scan# 967
 Delta R.T. -0.003 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

Tgt Ion: 128 Resp: 22370
 Ion Ratio Lower Upper
 128 100
 49 99.2 65.8 122.2
 130 115.0 91.1 169.3
 51 30.1 26.2 39.4





#25

Chloroform

Concen: 5.567 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

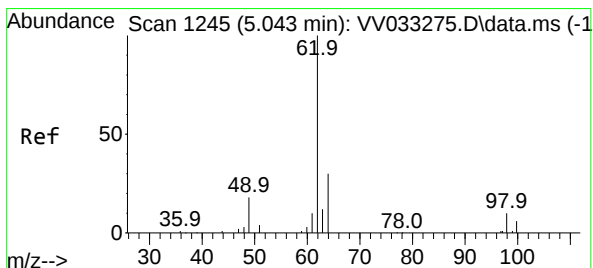
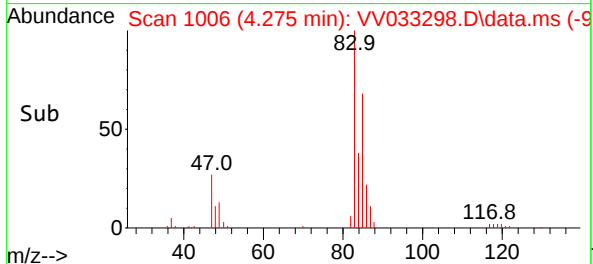
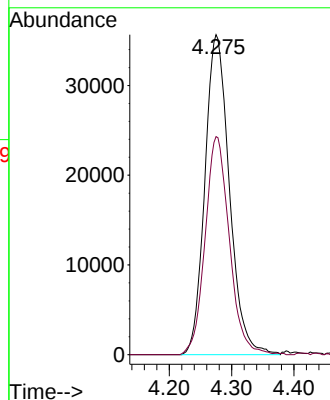
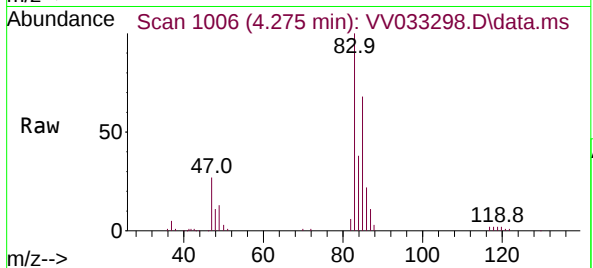
E0Y50MSD

Tgt Ion: 83 Resp: 97336

Ion Ratio Lower Upper

83 100

85 68.2 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.352 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV033298.D

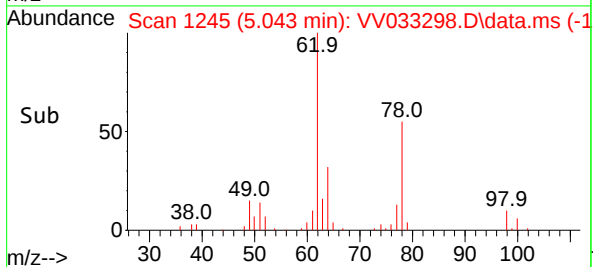
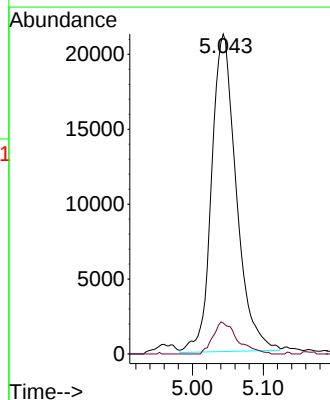
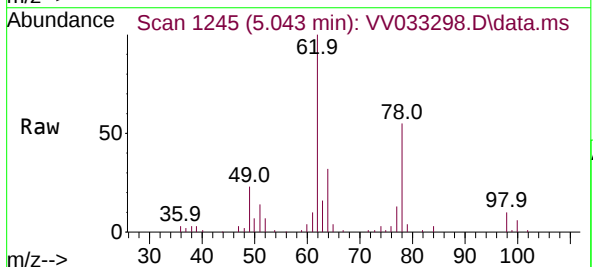
Acq: 13 Dec 2023 23:56

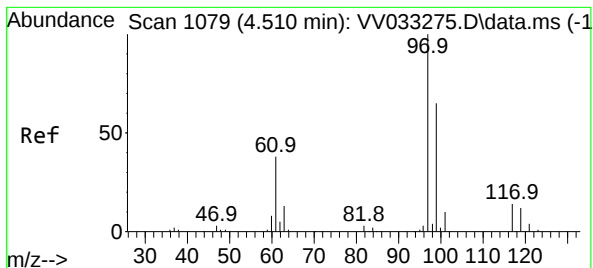
Tgt Ion: 62 Resp: 51360

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.014 ug/L

RT: 4.513 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

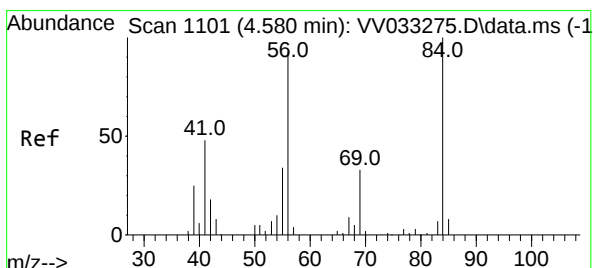
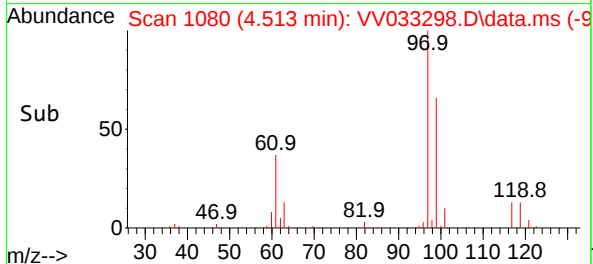
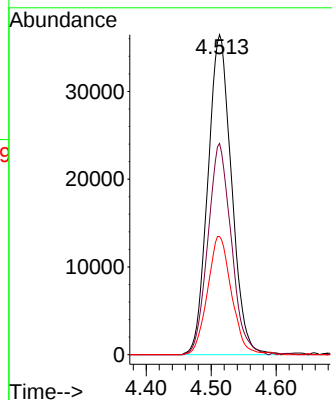
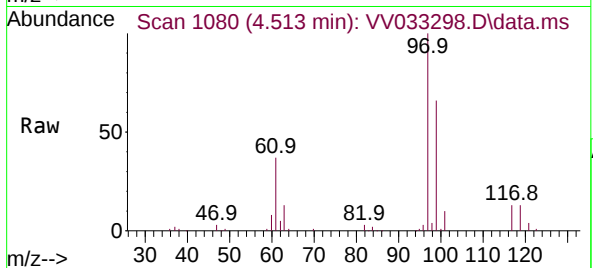
Tgt Ion: 97 Resp: 92303

Ion Ratio Lower Upper

97 100

99 65.4 52.8 79.2

61 37.3 30.3 45.5



#30

Cyclohexane

Concen: 5.674 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

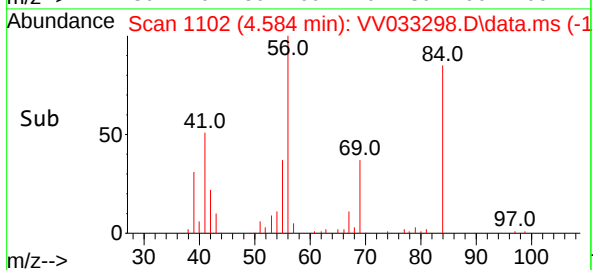
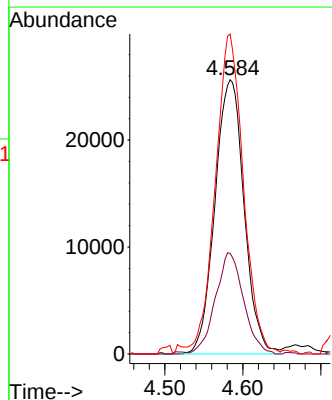
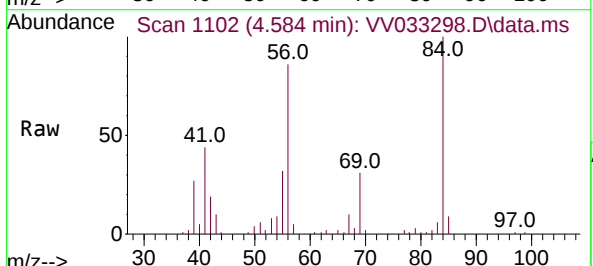
Tgt Ion: 56 Resp: 66640

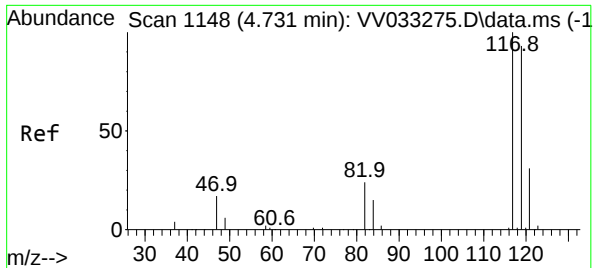
Ion Ratio Lower Upper

56 100

69 35.6 28.8 43.2

84 110.2 86.2 129.4

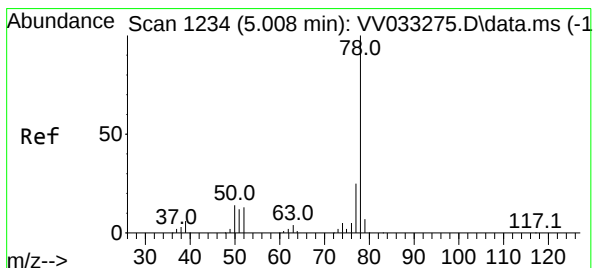
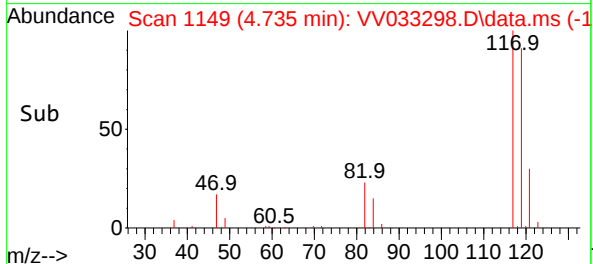
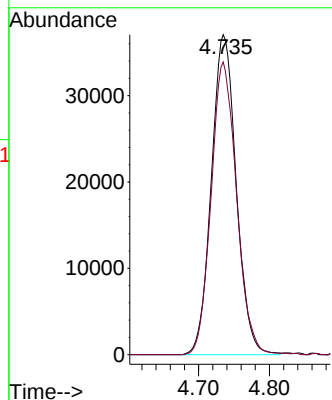
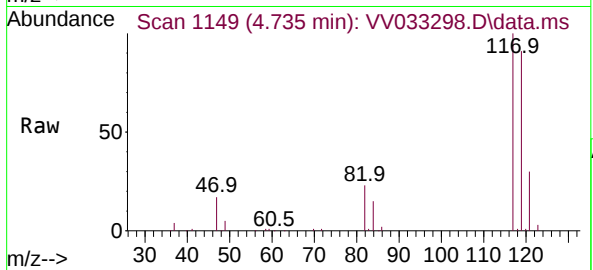




#31
Carbon tetrachloride
Concen: 5.253 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

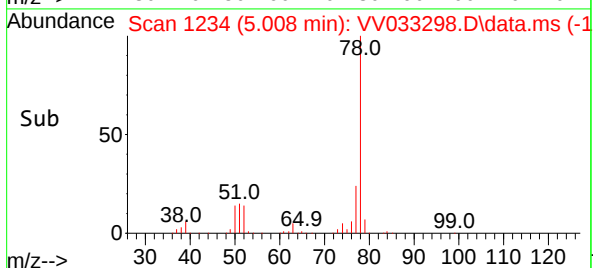
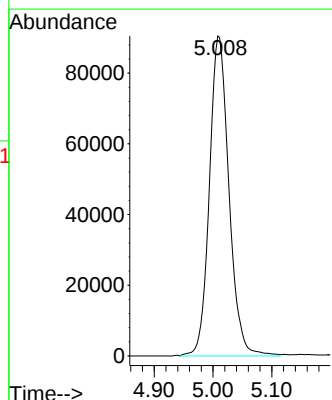
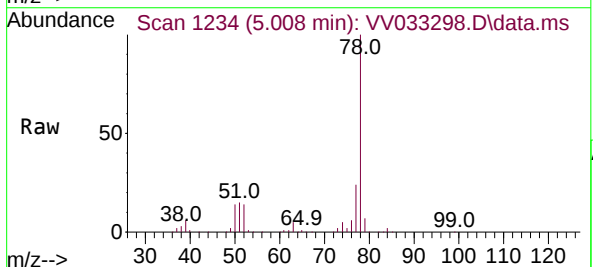
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

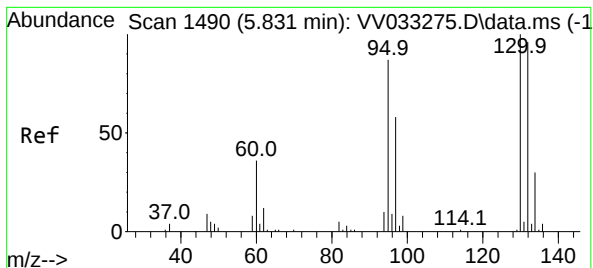
Tgt Ion:117 Resp: 90346
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8



#33
Benzene
Concen: 5.876 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion: 78 Resp: 209013





#34

Trichloroethene

Concen: 6.387 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

Tgt Ion: 95 Resp: 66238

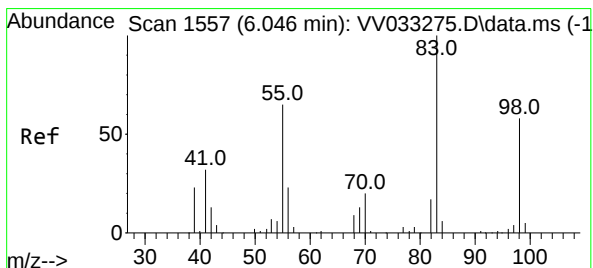
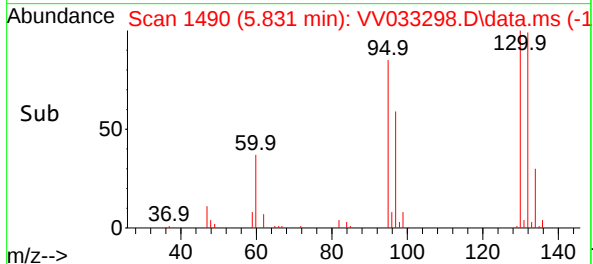
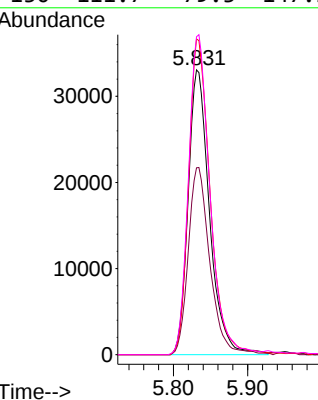
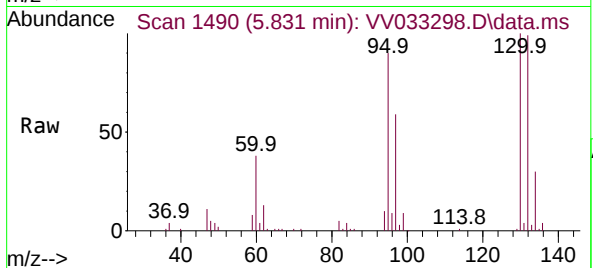
Ion Ratio Lower Upper

95 100

97 65.6 46.5 86.5

132 110.9 75.1 139.5

130 111.7 79.3 147.3



#35

Methylcyclohexane

Concen: 5.695 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

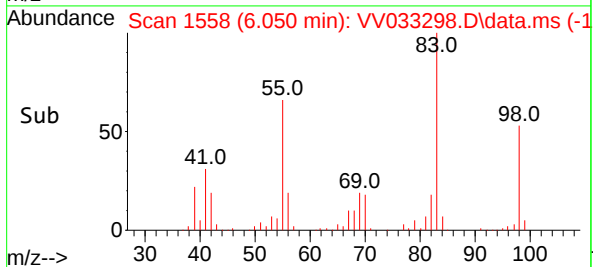
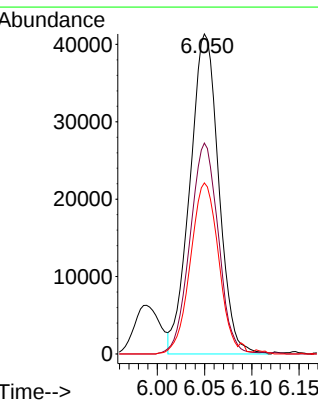
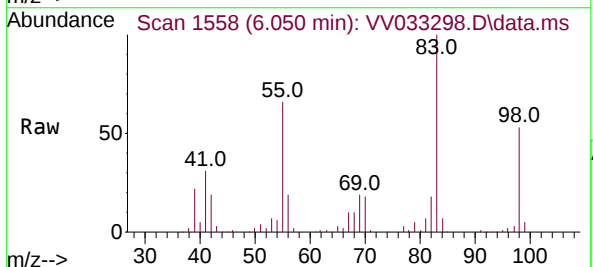
Tgt Ion: 83 Resp: 87482

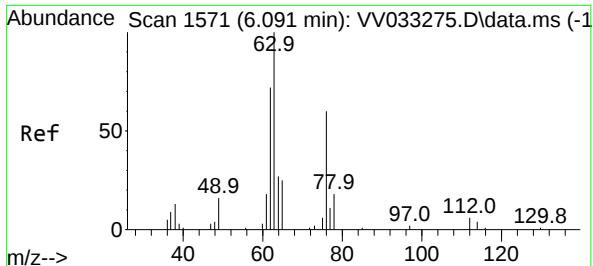
Ion Ratio Lower Upper

83 100

55 64.9 50.7 76.1

98 52.8 42.4 63.6





#37

1,2-Dichloropropane

Concen: 4.872 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

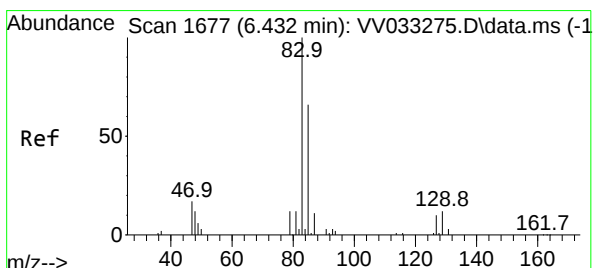
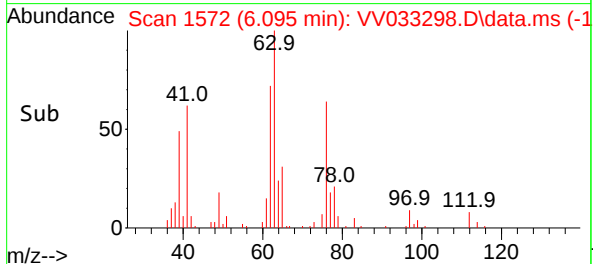
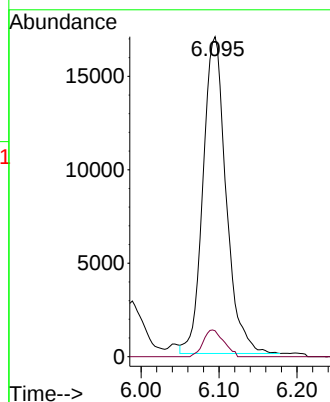
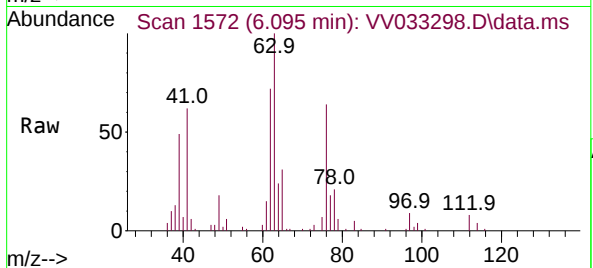
E0Y50MSD

Tgt Ion: 63 Resp: 34857

Ion Ratio Lower Upper

63 100

112 7.5 5.0 7.6



#38

Bromodichloromethane

Concen: 5.264 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

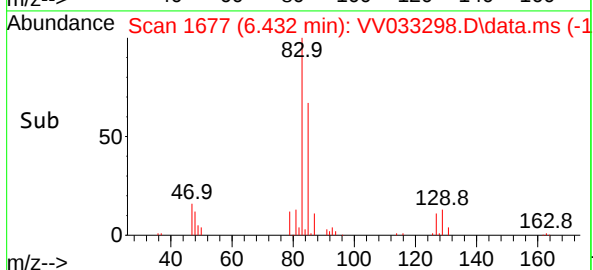
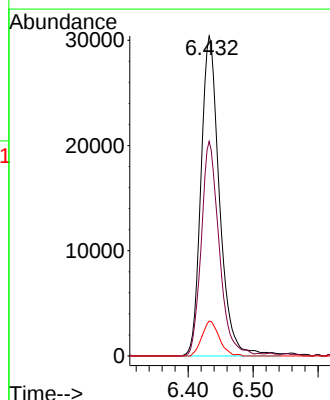
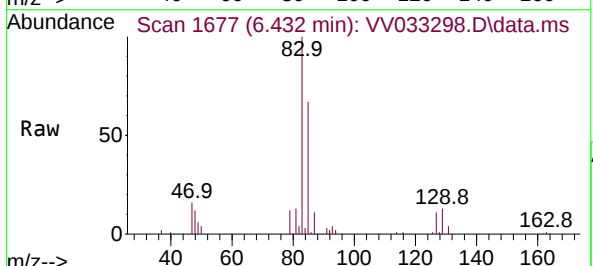
Tgt Ion: 83 Resp: 60445

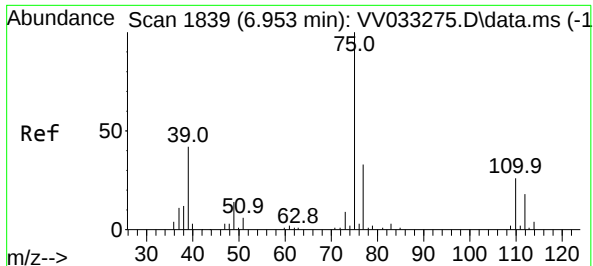
Ion Ratio Lower Upper

83 100

85 67.0 46.6 86.6

127 10.9 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

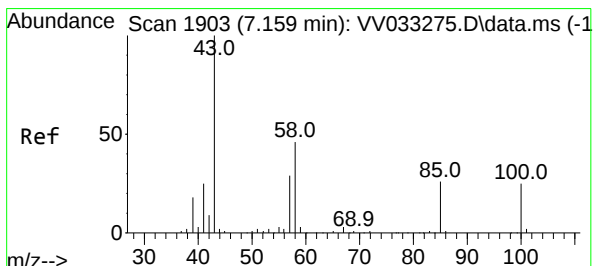
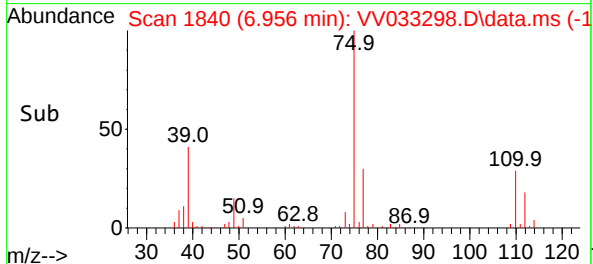
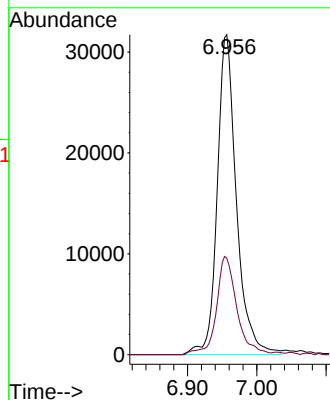
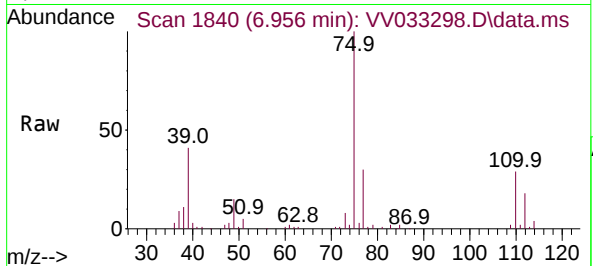
E0Y50MSD

Tgt Ion: 75 Resp: 61085

Ion Ratio Lower Upper

75 100

77 30.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 56.398 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

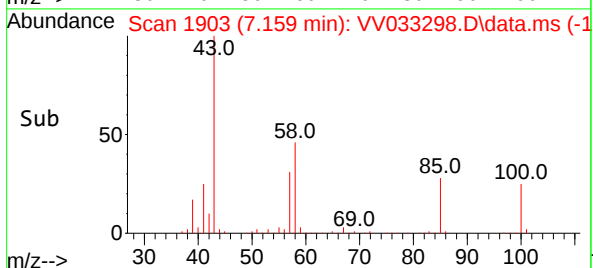
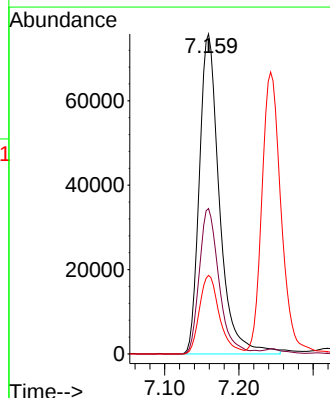
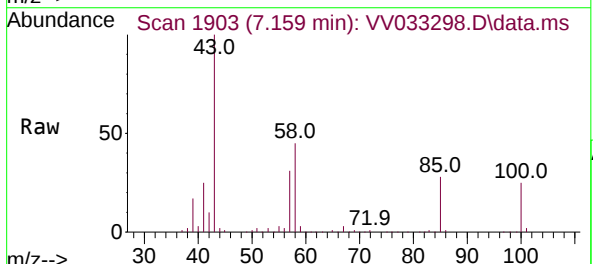
Tgt Ion: 43 Resp: 142786

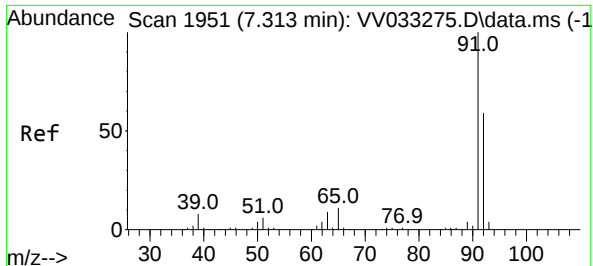
Ion Ratio Lower Upper

43 100

58 44.6 36.2 54.2

100 24.4 18.8 28.2





#42

Toluene

Concen: 7.837 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

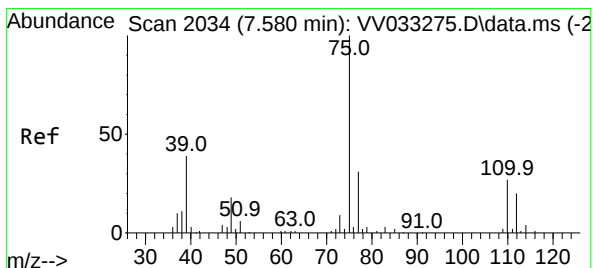
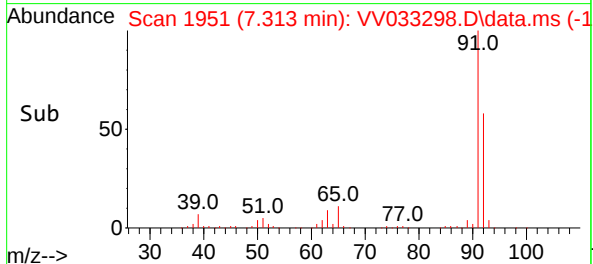
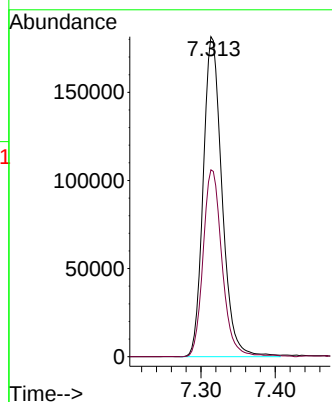
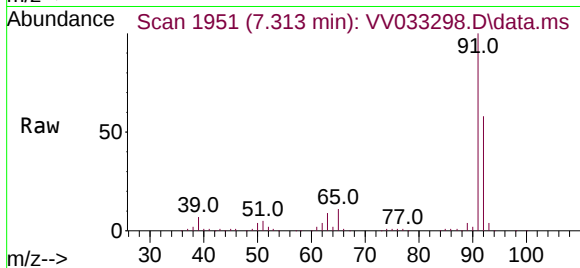
E0Y50MSD

Tgt Ion: 91 Resp: 319339

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.201 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV033298.D

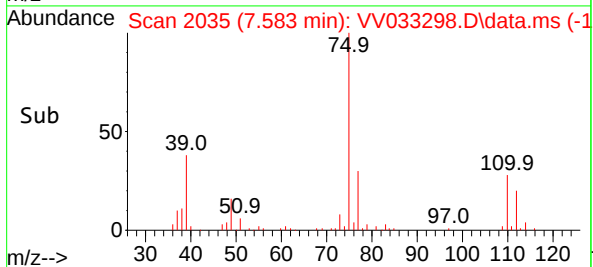
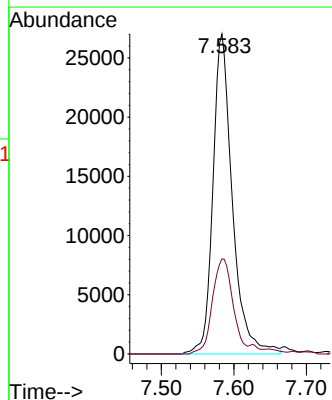
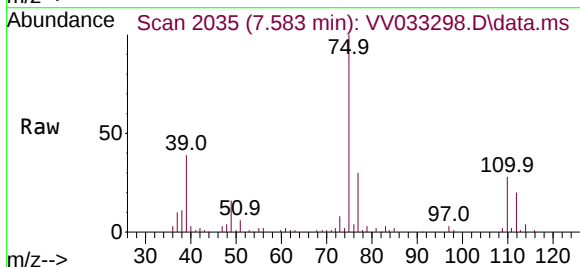
Acq: 13 Dec 2023 23:56

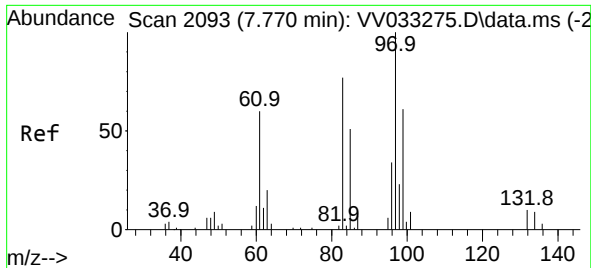
Tgt Ion: 75 Resp: 50371

Ion Ratio Lower Upper

75 100

77 29.7 21.7 40.3

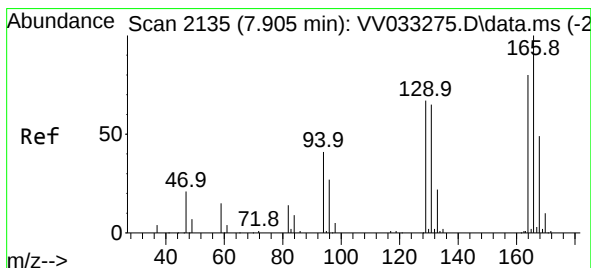
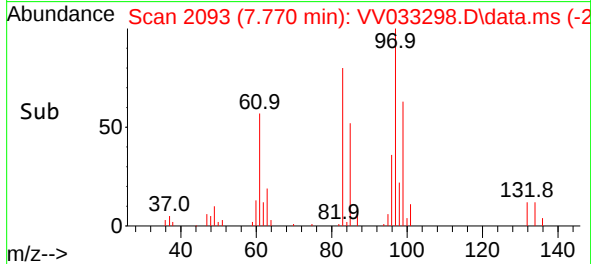
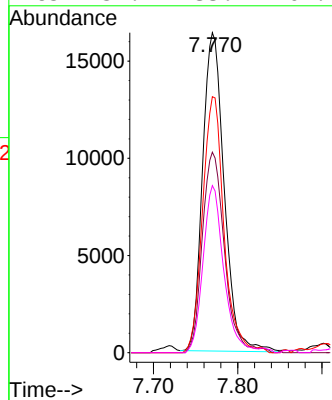
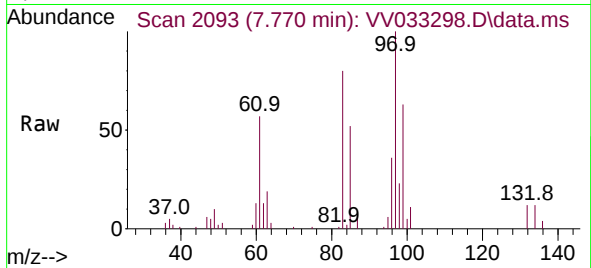




#45
1,1,2-Trichloroethane
Concen: 5.299 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

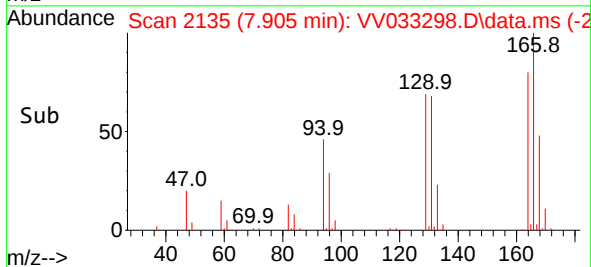
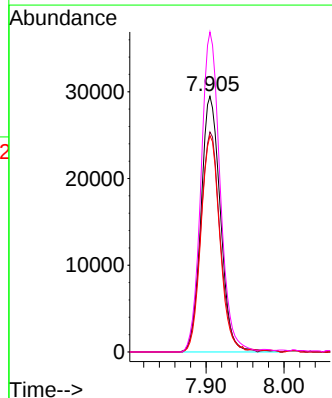
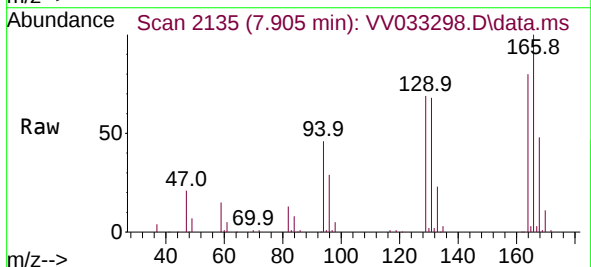
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

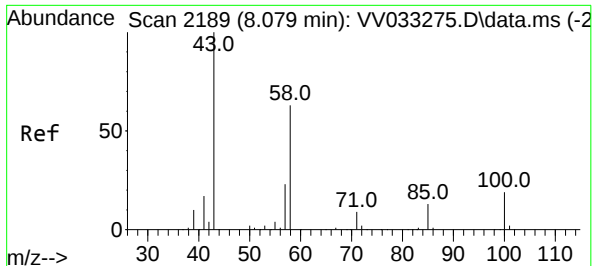
Tgt Ion:	97	Resp:	29199
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.5	82.7
83	80.0	54.7	101.5
85	52.2	33.7	62.7



#47
Tetrachloroethene
Concen: 5.190 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion:	164	Resp:	50965
Ion	Ratio	Lower	Upper
164	100		
129	86.0	62.6	116.3
131	84.6	62.6	116.3
166	125.1	90.2	167.6

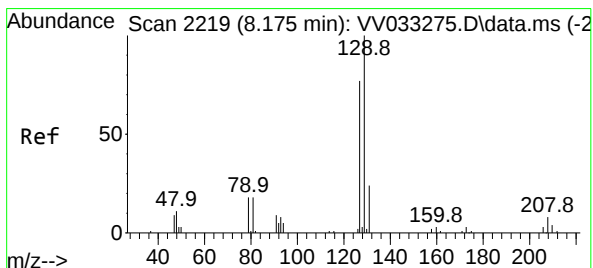
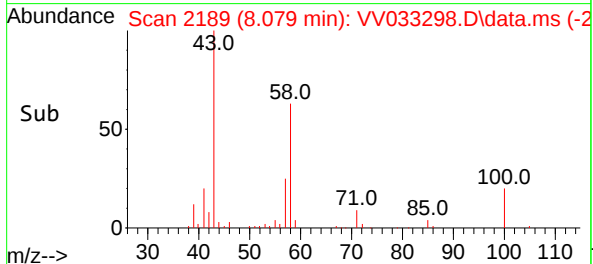
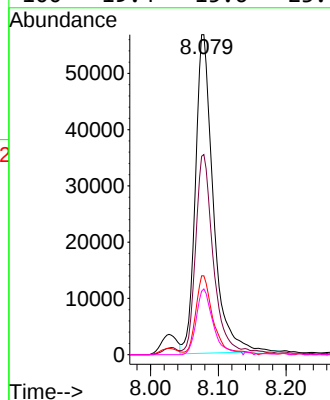
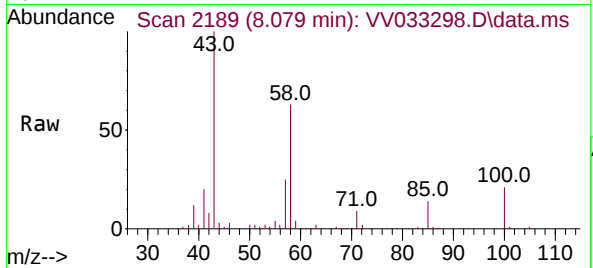




#48
2-Hexanone
Concen: 57.008 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

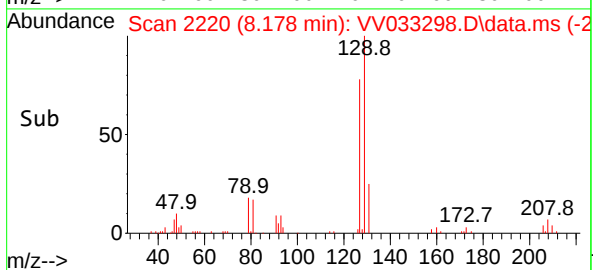
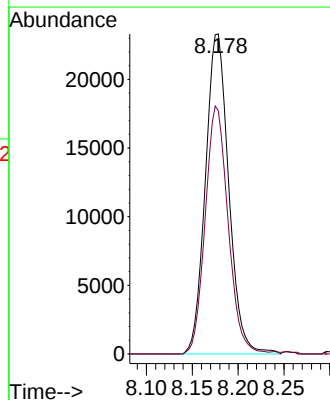
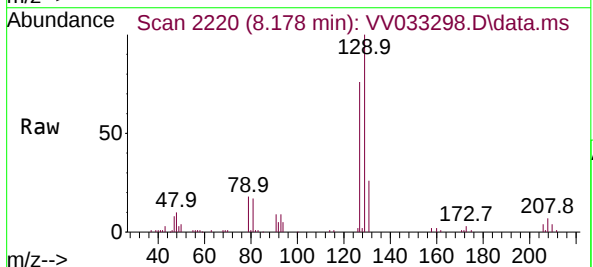
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

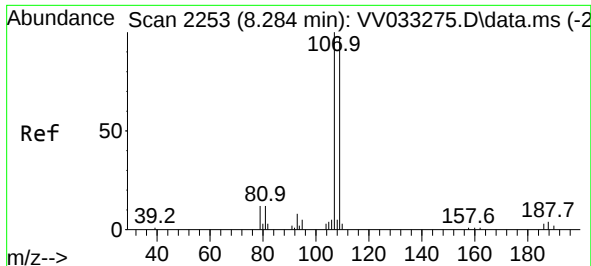
Tgt Ion: 43	Resp: 104024
Ion Ratio	Lower Upper
43 100	
58 59.7	48.6 72.8
57 24.2	18.1 27.1
100 19.4	15.6 23.4



#49
Dibromochloromethane
Concen: 5.342 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion:129	Resp: 41290		
Ion Ratio	Lower	Upper	
129 100			
127 76.0	53.2	98.8	





#50

1,2-Dibromoethane

Concen: 5.476 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

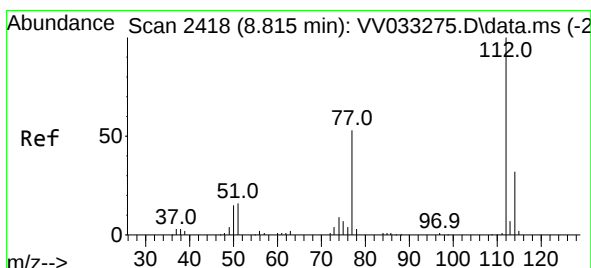
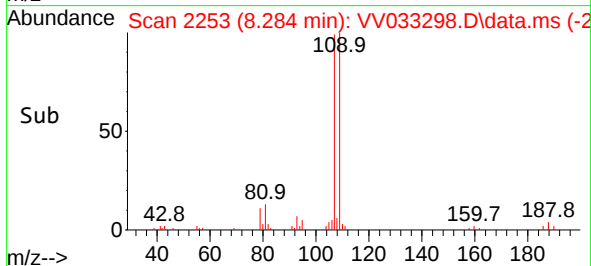
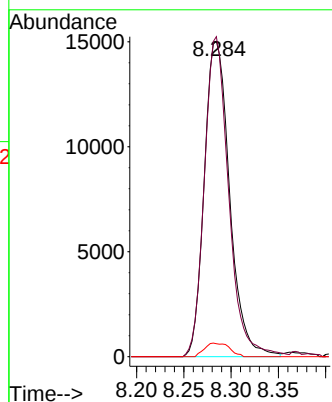
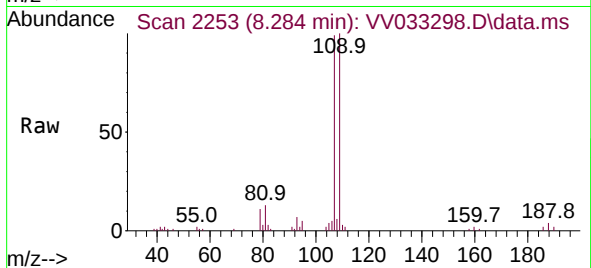
Tgt Ion:107 Resp: 28020

Ion Ratio Lower Upper

107 100

109 101.5 64.2 119.2

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 5.168 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

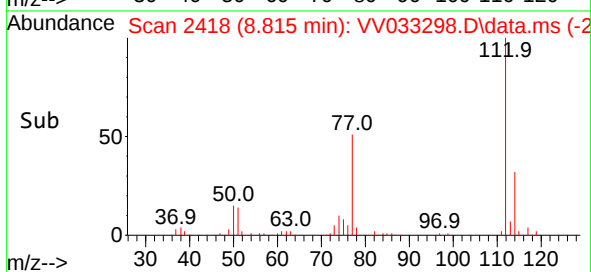
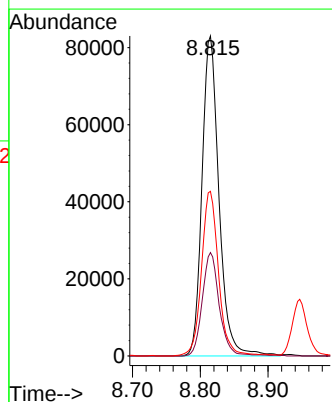
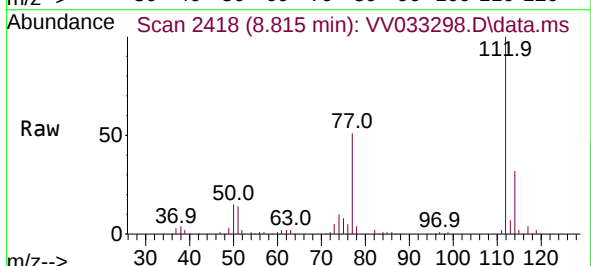
Tgt Ion:112 Resp: 144231

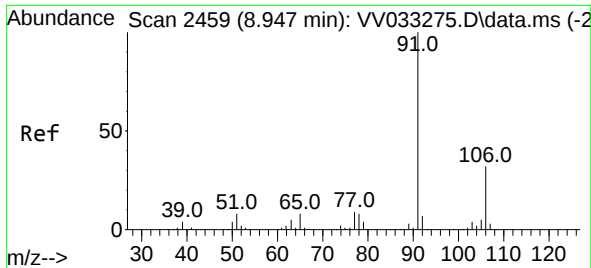
Ion Ratio Lower Upper

112 100

114 32.3 22.8 42.4

77 51.5 41.3 61.9

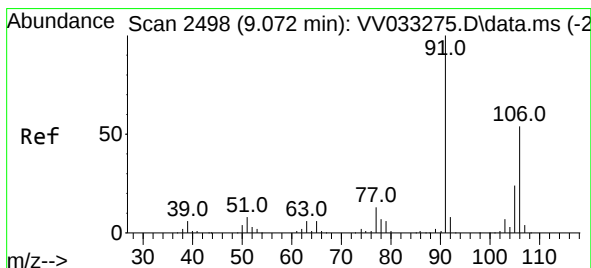
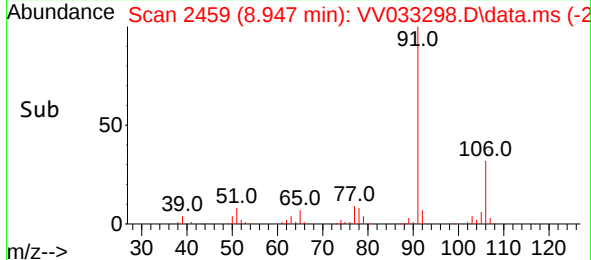
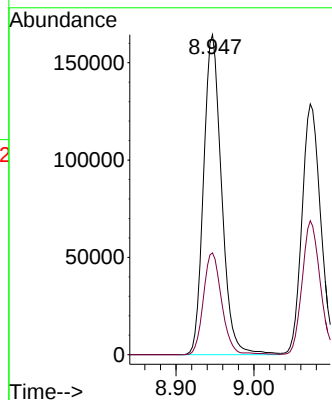
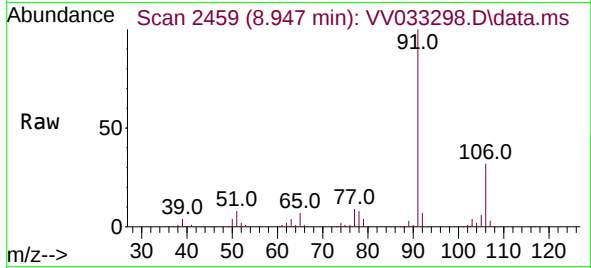




#52
Ethylbenzene
Concen: 5.777 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

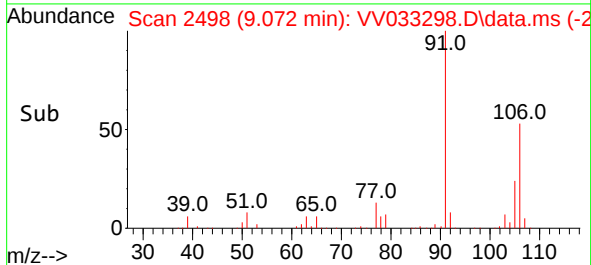
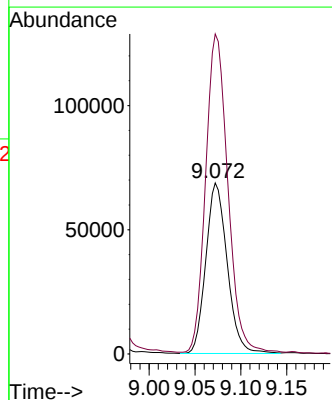
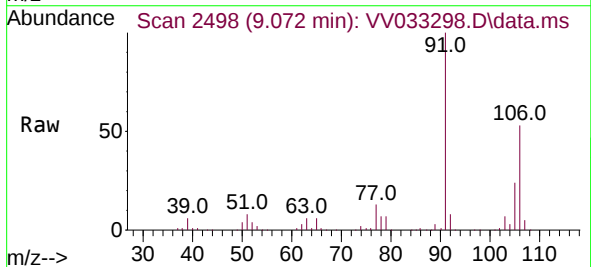
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

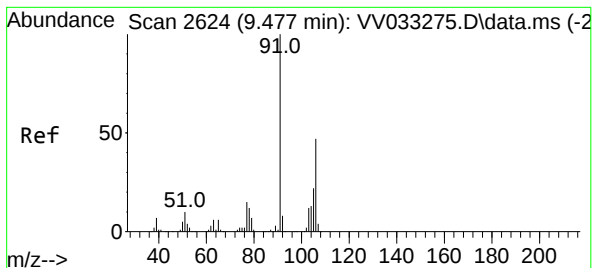
Tgt Ion: 91 Resp: 263711
Ion Ratio Lower Upper
91 100
106 31.8 22.7 42.3



#53
m,p-Xylene
Concen: 5.929 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion: 106 Resp: 111394
Ion Ratio Lower Upper
106 100
91 187.1 136.8 254.0





#54

o-Xylene

Concen: 5.616 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

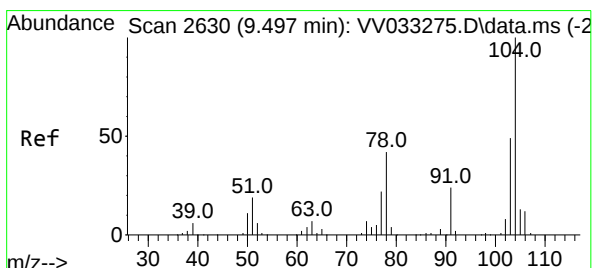
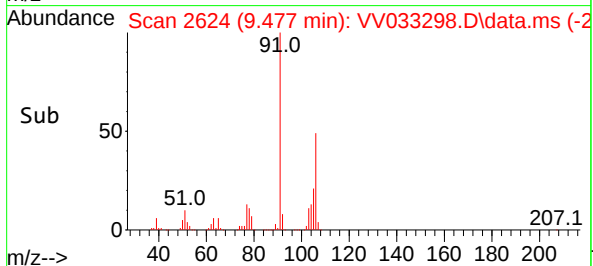
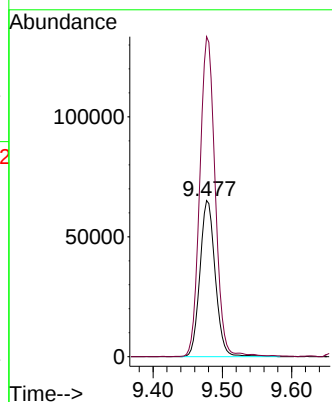
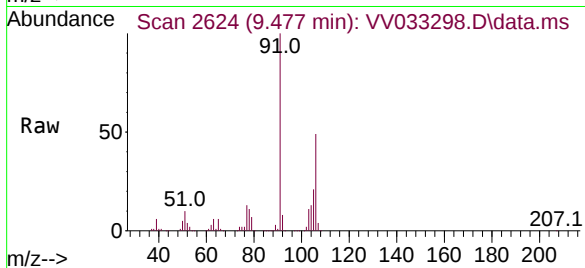
E0Y50MSD

Tgt Ion:106 Resp: 99929

Ion Ratio Lower Upper

106 100

91 204.8 149.9 278.5



#55

Styrene

Concen: 5.523 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV033298.D

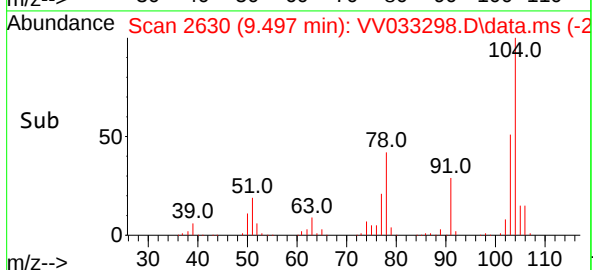
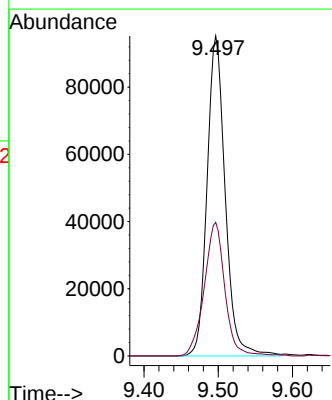
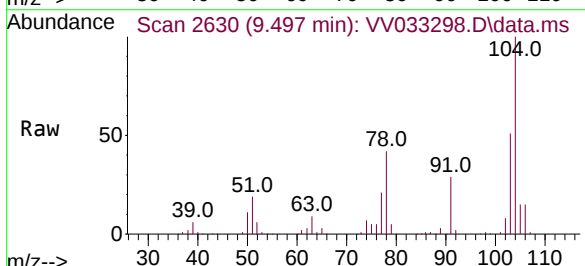
Acq: 13 Dec 2023 23:56

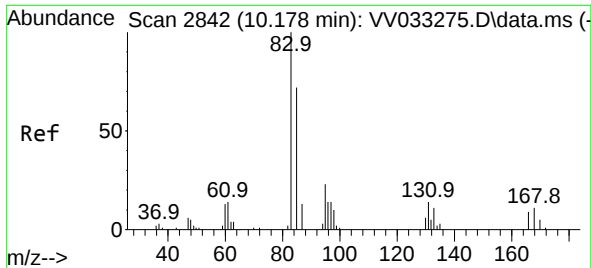
Tgt Ion:104 Resp: 161244

Ion Ratio Lower Upper

104 100

78 41.7 29.9 55.5

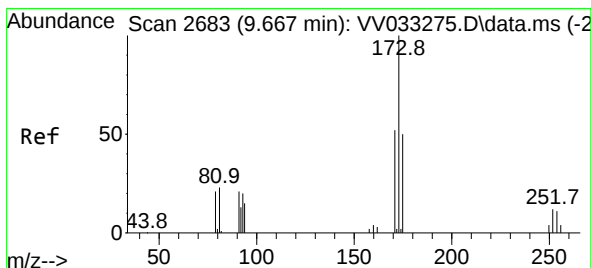
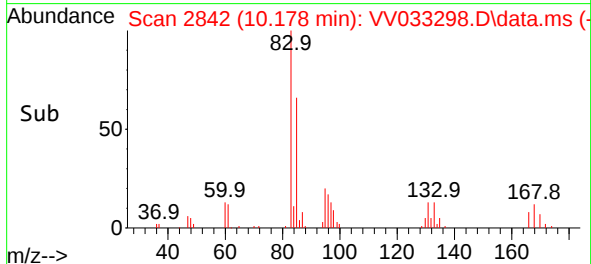
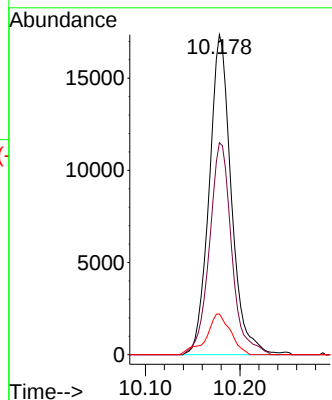
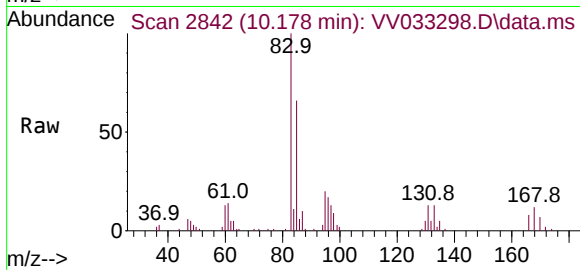




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.248 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

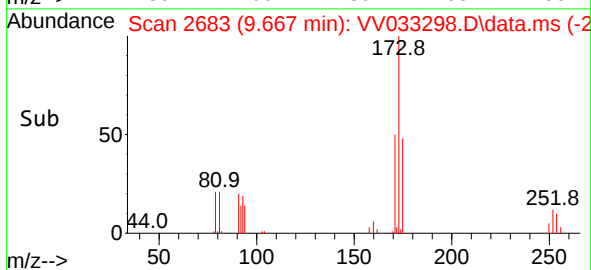
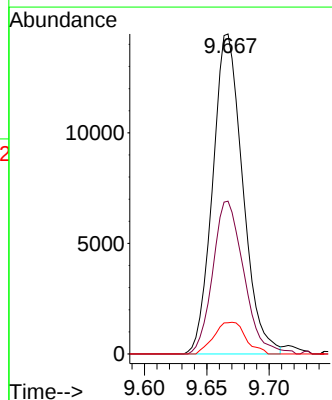
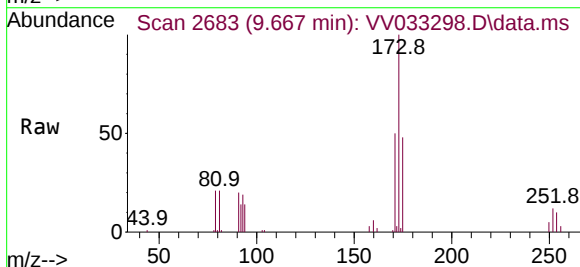
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y50MSD

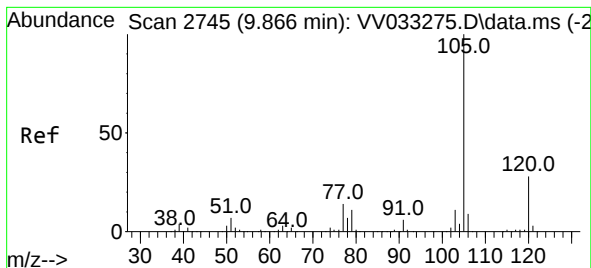
Tgt Ion:	83	Resp:	28179
Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.4	84.4
131	12.7	11.5	17.3



#59
 Bromoform
 Concen: 5.204 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV033298.D
 Acq: 13 Dec 2023 23:56

Tgt Ion:	173	Resp:	24276
Ion	Ratio	Lower	Upper
173	100		
175	49.3	37.0	55.4
254	10.5	8.5	12.7





#60

Isopropylbenzene

Concen: 5.118 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

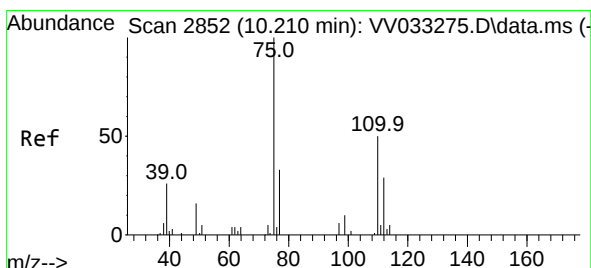
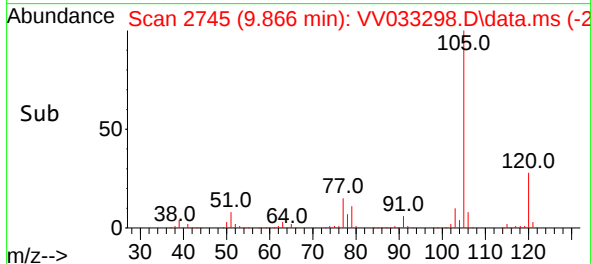
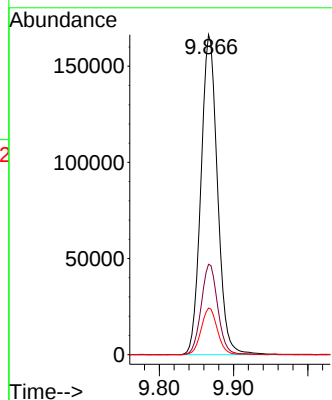
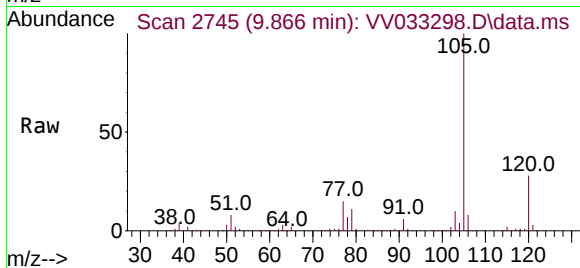
Tgt Ion:105 Resp: 257498

Ion Ratio Lower Upper

105 100

120 28.4 22.2 33.4

77 14.4 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 5.378 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

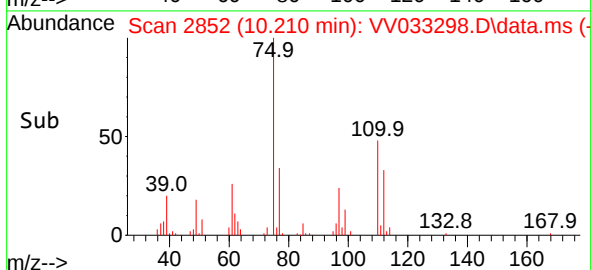
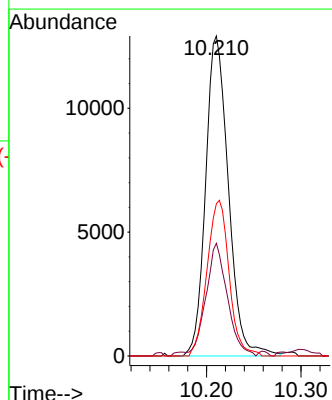
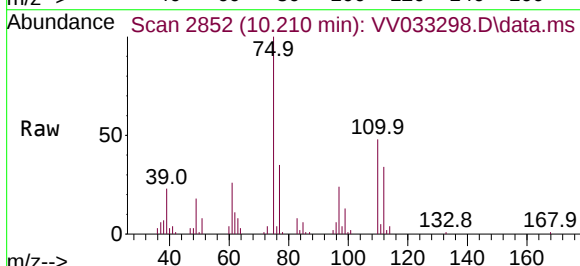
Tgt Ion: 75 Resp: 21646

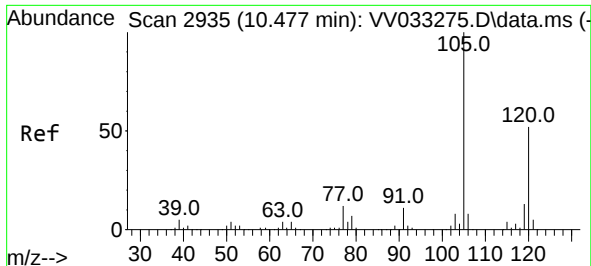
Ion Ratio Lower Upper

75 100

77 33.1 27.4 41.2

110 47.2 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 5.077 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

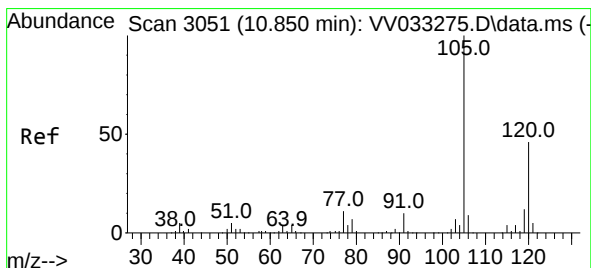
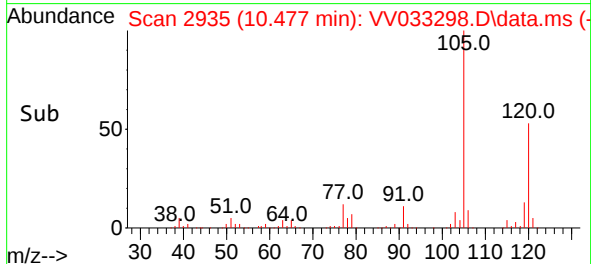
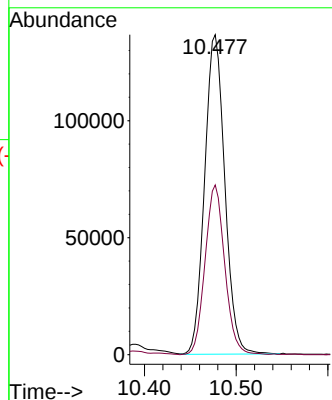
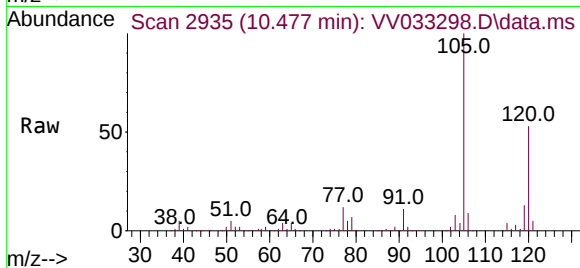
EOY50MSD

Tgt Ion:105 Resp: 208894

Ion Ratio Lower Upper

105 100

120 51.8 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 5.350 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033298.D

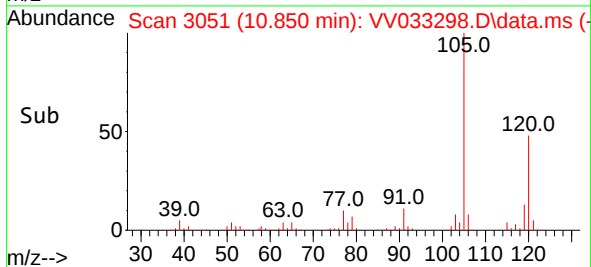
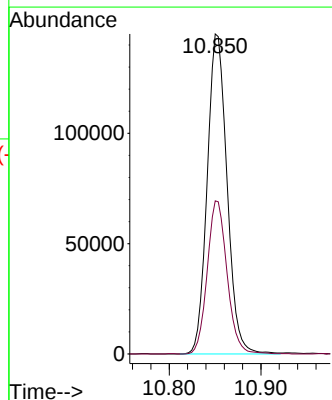
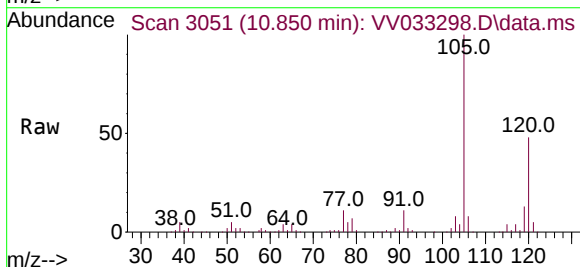
Acq: 13 Dec 2023 23:56

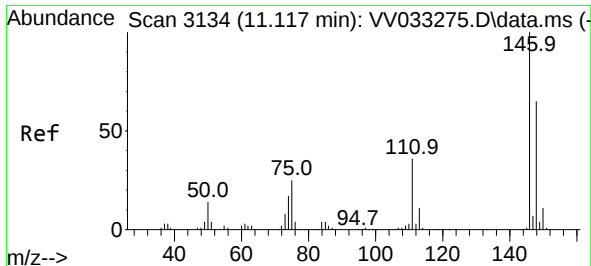
Tgt Ion:105 Resp: 217733

Ion Ratio Lower Upper

105 100

120 47.9 38.1 57.1

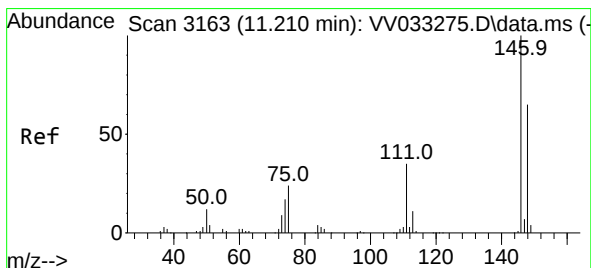
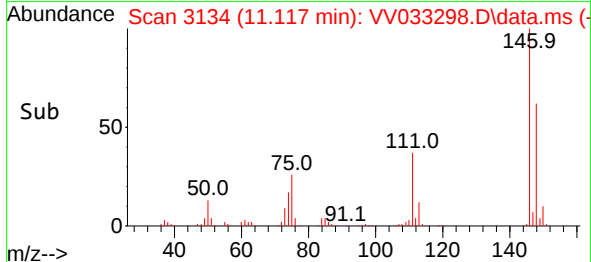
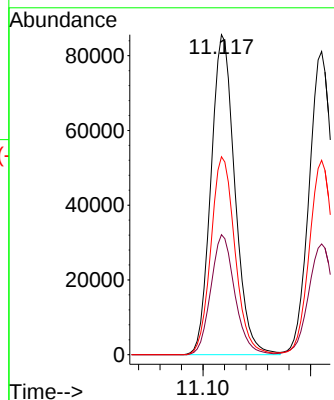
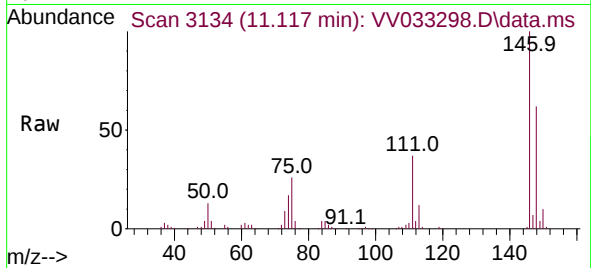




#64
1,3-Dichlorobenzene
Concen: 5.173 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

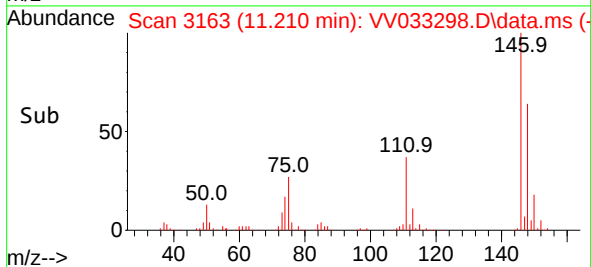
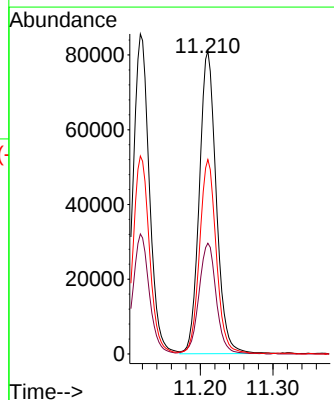
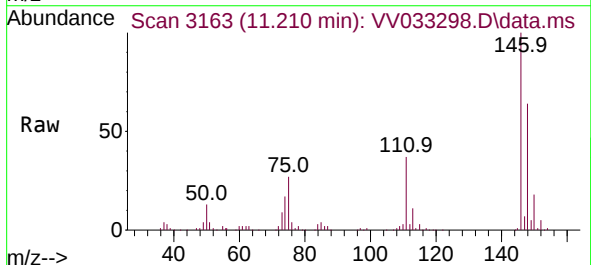
Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

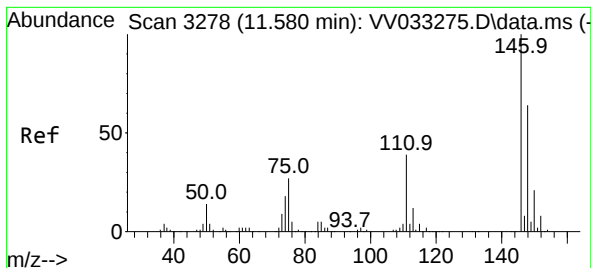
Tgt Ion:146 Resp: 132442
Ion Ratio Lower Upper
146 100
111 37.5 26.0 48.2
148 61.8 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.161 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion:146 Resp: 131457
Ion Ratio Lower Upper
146 100
111 36.5 25.6 47.4
148 64.1 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.224 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

E0Y50MSD

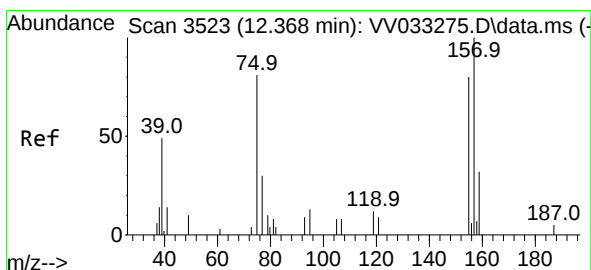
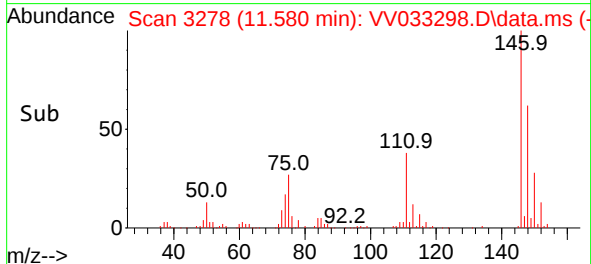
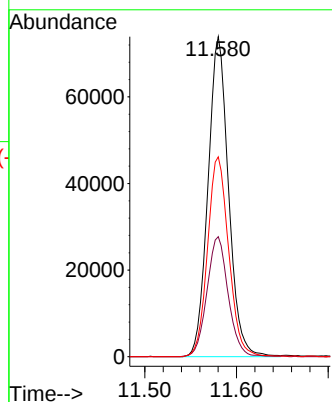
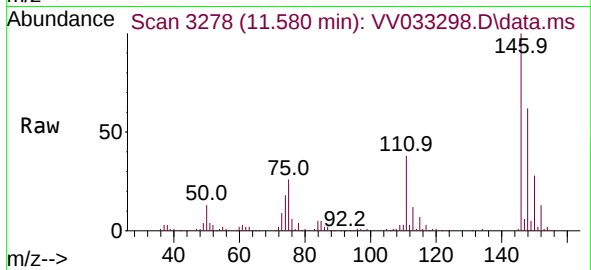
Tgt Ion:146 Resp: 114971

Ion Ratio Lower Upper

146 100

111 37.5 31.0 46.4

148 62.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.457 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

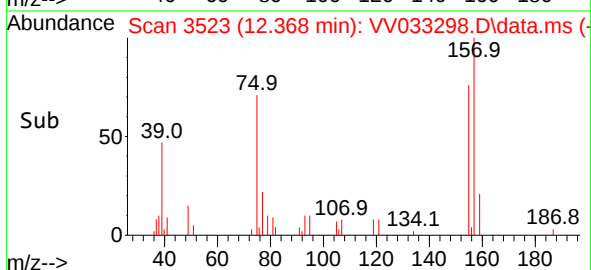
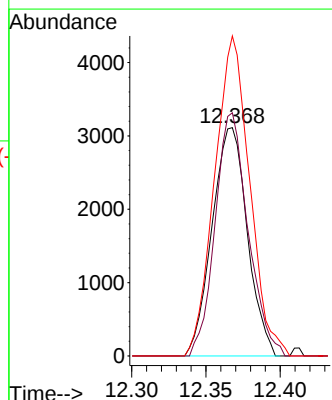
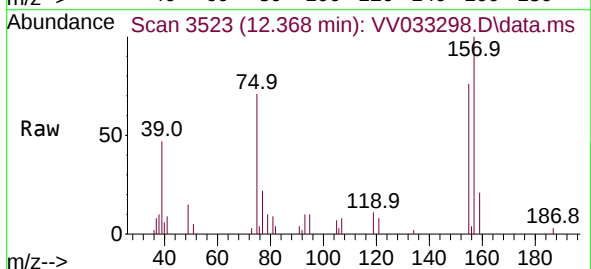
Tgt Ion: 75 Resp: 5137

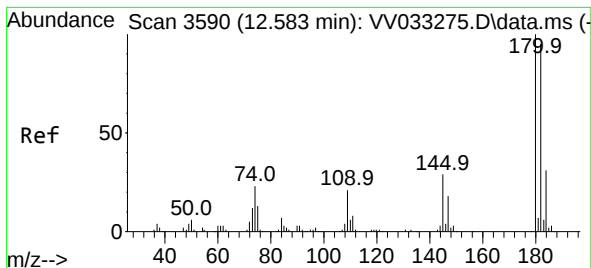
Ion Ratio Lower Upper

75 100

155 106.5 79.8 119.8

157 140.2 110.2 165.2





#69

1,3,5-Trichlorobenzene

Concen: 5.043 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

Instrument :

MSVOA_V

ClientSampleId :

EOY50MSD

Tgt Ion:180 Resp: 103064

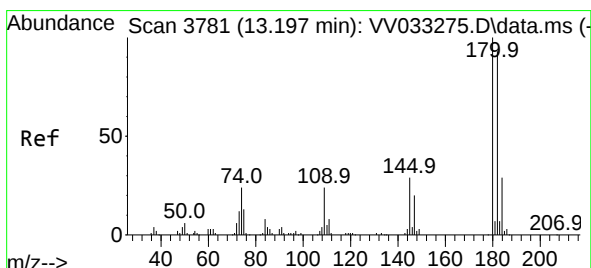
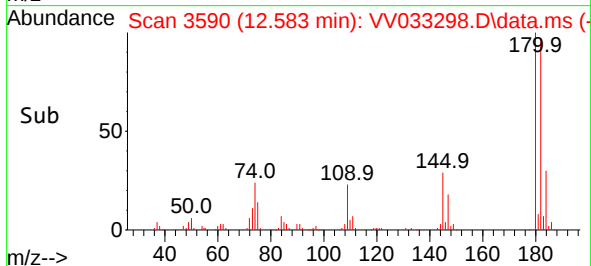
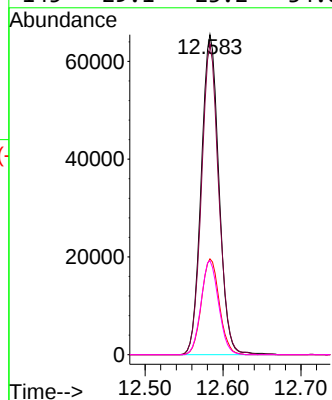
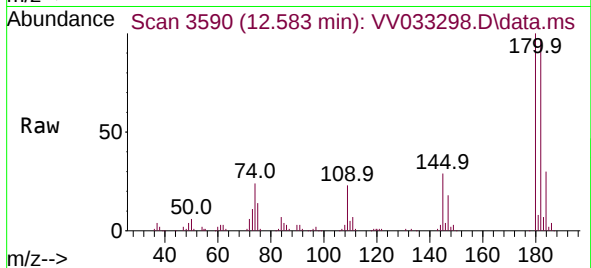
Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

184 30.3 24.5 36.7

145 29.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.152 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033298.D

Acq: 13 Dec 2023 23:56

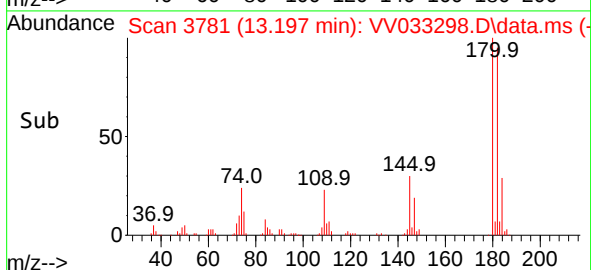
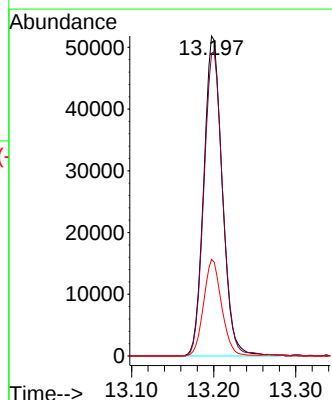
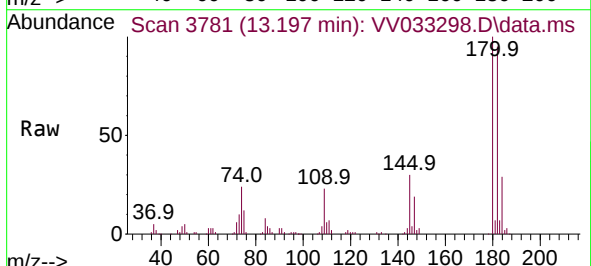
Tgt Ion:180 Resp: 81105

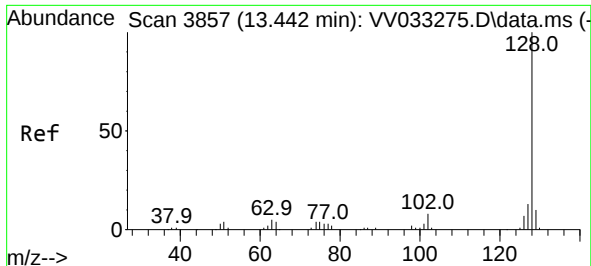
Ion Ratio Lower Upper

180 100

182 96.9 74.2 111.4

145 29.4 22.6 34.0

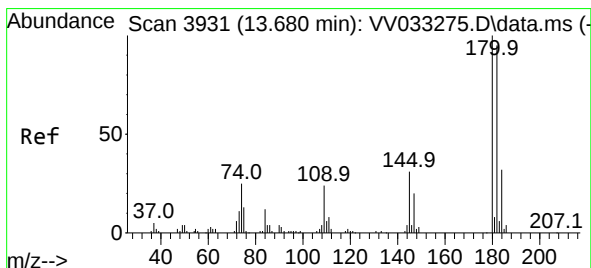
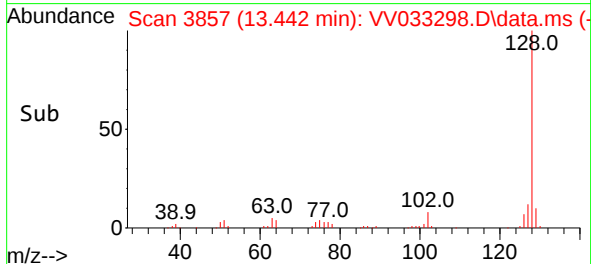
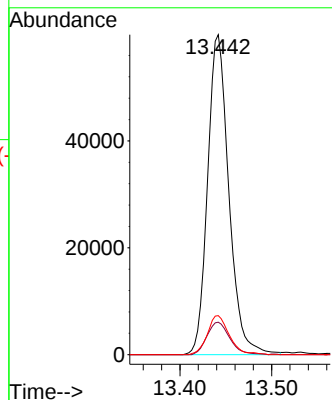
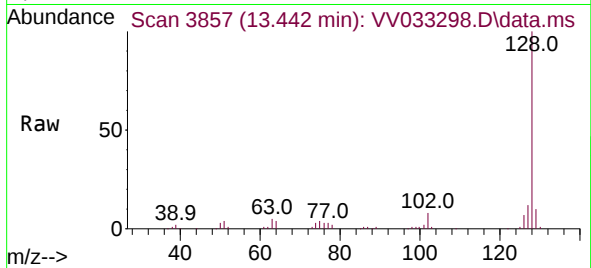




#71
Naphthalene
Concen: 5.289 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Instrument :
MSVOA_V
ClientSampleId :
E0Y50MSD

Tgt Ion:128 Resp: 96463
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.6 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.330 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033298.D
Acq: 13 Dec 2023 23:56

Tgt Ion:180 Resp: 67365
Ion Ratio Lower Upper
180 100
182 96.4 78.8 118.2
145 31.3 26.6 40.0

