

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033299.D
 Acq On : 14 Dec 2023 00:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005316

Quant Time: Dec 14 01:03:22 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	134972	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	131473	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	76812	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	47270	5.463	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 109.200%	
7) Chloroethane-d5	1.532	69	35424	5.505	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 110.000%	
11) 1,1-Dichloroethene-d2	2.060	65	18326	5.322	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 106.400%	
20) 2-Butanone-d5	3.796	46	59597	58.204	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	= 116.400%	
24) Chloroform-d	4.249	84	101487	5.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 112.400%	
26) 1,2-Dichloroethane-d4	4.944	65	45014	5.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 114.800%	
32) Benzene-d6	4.960	84	195145	5.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 114.800%	
36) 1,2-Dichloropropane-d6	5.989	67	43260	5.588	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 111.800%	
41) Toluene-d8	7.243	98	193466	5.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 116.800%	
43) trans-1,3-Dichloroprop...	7.554	79	20468	5.796	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 116.000%	
46) 2-Hexanone-d5	8.027	63	59954	60.811	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 121.620%	
56) 1,1,2,2-Tetrachloroeth...	10.152	84	30497	5.825	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 116.400%	
66) 1,2-Dichlorobenzene-d4	11.561	152	75034	5.546	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 111.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	86564	5.141	ug/L	99
3) Chloromethane	1.214	50	47969	4.983	ug/L	99
5) Vinyl chloride	1.281	62	49529	5.084	ug/L	100
6) Bromomethane	1.487	94	32844	5.143	ug/L	93
8) Chloroethane	1.552	64	27117	4.824	ug/L	100
9) Trichlorofluoromethane	1.716	101	89581	5.011	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	39923	4.830	ug/L	97
12) 1,1-Dichloroethene	2.069	96	39878	5.161	ug/L	95
13) Acetone	2.127	43	33464	46.175	ug/L #	58
14) Carbon disulfide	2.243	76	126350	5.021	ug/L	100
15) Methyl Acetate	2.381	43	8628	4.492	ug/L #	87
16) Methylene chloride	2.445	84	42712	4.799	ug/L	95
17) Methyl tert-butyl Ether	2.703	73	85040	5.344	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	48062	5.137	ug/L	92
19) 1,1-Dichloroethane	3.111	63	75762	5.160	ug/L	99
21) 2-Butanone	3.876	43	49037	46.447	ug/L	92
22) cis-1,2-Dichloroethene	3.812	96	49702	5.142	ug/L	94
23) Bromochloromethane	4.146	128	22837	5.471	ug/L	90
25) Chloroform	4.275	83	92119	5.321	ug/L	100

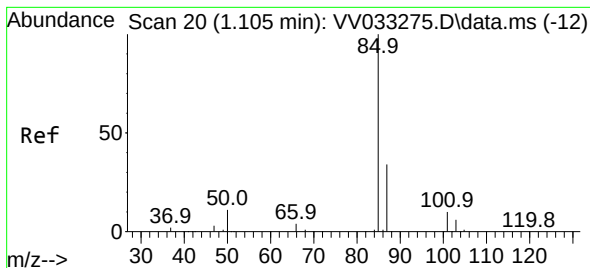
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Instrument :
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 ClientSampleId :
 VSTD005316

Quant Time: Dec 14 01:03:22 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)
27) 1,2-Dichloroethane	5.043	62	49882	5.250	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	93341	5.120	ug/L	98
30) Cyclohexane	4.584	56	57449	4.939	ug/L	95
31) Carbon tetrachloride	4.735	117	87506	5.138	ug/L	99
33) Benzene	5.008	78	184346	5.233	ug/L	100
34) Trichloroethene	5.834	95	52580	5.119	ug/L	97
35) Methylcyclohexane	6.050	83	76175	5.007	ug/L	99
37) 1,2-Dichloropropane	6.095	63	36275	5.119	ug/L	100
38) Bromodichloromethane	6.432	83	60334	5.305	ug/L	95
39) cis-1,3-Dichloropropene	6.956	75	61151	5.314	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	135284	53.956	ug/L	99
42) Toluene	7.317	91	215147	5.332	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	51923	5.413	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	29151	5.342	ug/L	95
47) Tetrachloroethene	7.905	164	48113	4.947	ug/L	97
48) 2-Hexanone	8.079	43	102935	56.961	ug/L	98
49) Dibromochloromethane	8.175	129	40038	5.231	ug/L	97
50) 1,2-Dibromoethane	8.284	107	27607	5.448	ug/L #	96
51) Chlorobenzene	8.815	112	142565	5.158	ug/L	98
52) Ethylbenzene	8.947	91	238939	5.285	ug/L	99
53) m,p-Xylene	9.072	106	98010	5.268	ug/L	97
54) o-Xylene	9.477	106	92744	5.263	ug/L	100
55) Styrene	9.497	104	157344	5.442	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	27309	5.135	ug/L	99
59) Bromoform	9.667	173	24160	5.120	ug/L	96
60) Isopropylbenzene	9.866	105	258487	5.080	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	20846	5.121	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	209961	5.045	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	211271	5.132	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	133309	5.148	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	131160	5.090	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	112626	5.059	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5033	5.286	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	103926	5.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	81937	5.145	ug/L	99
71) Naphthalene	13.442	128	94971	5.148	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	64038	5.009	ug/L	99

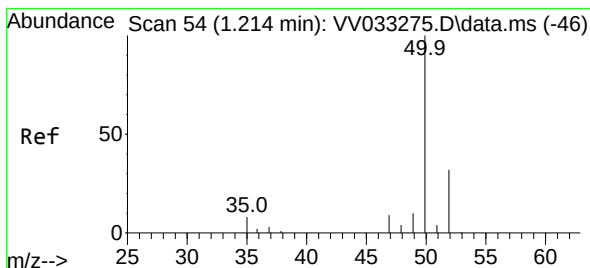
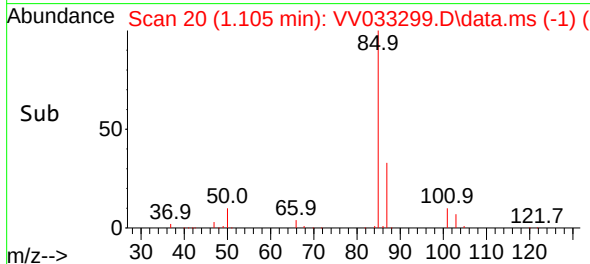
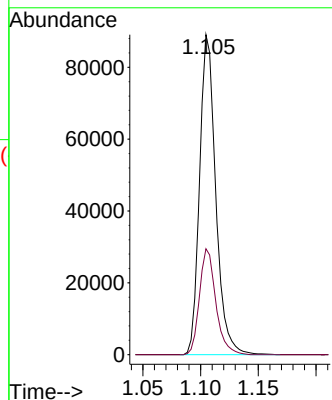
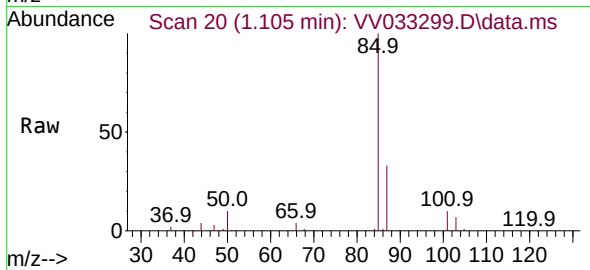
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#2
 Dichlorodifluoromethane
 Concen: 5.141 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

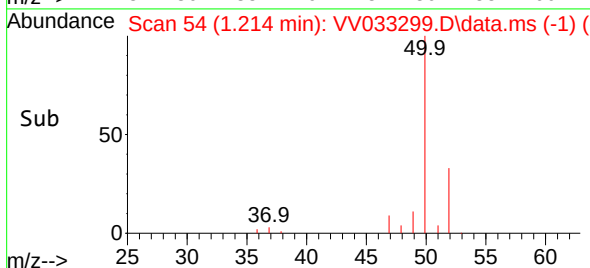
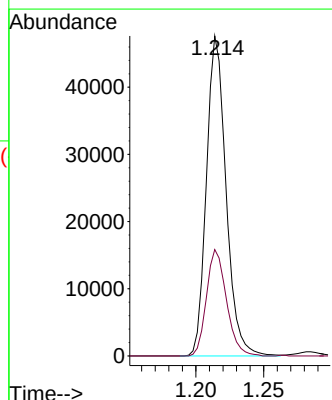
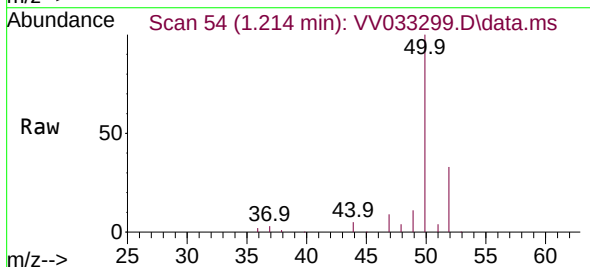
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005316

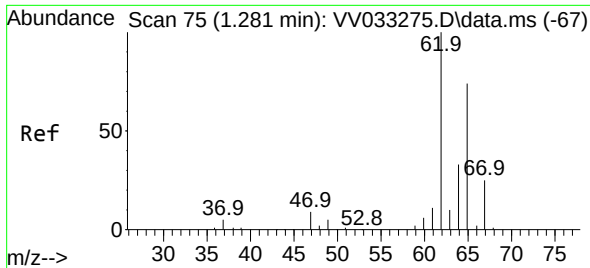
Tgt Ion: 85 Resp: 86564
 Ion Ratio Lower Upper
 85 100
 87 33.4 27.4 41.2



#3
 Chloromethane
 Concen: 4.983 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

Tgt Ion: 50 Resp: 47969
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.8 44.2

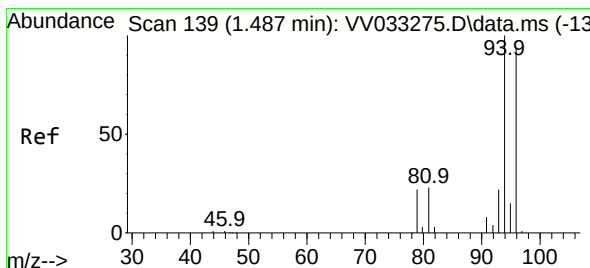
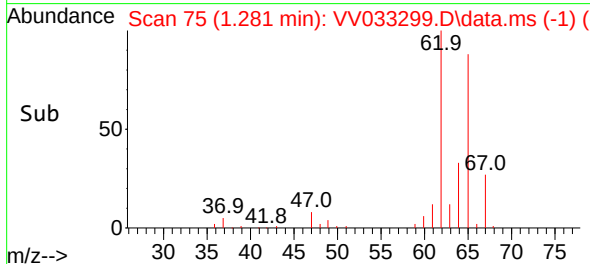
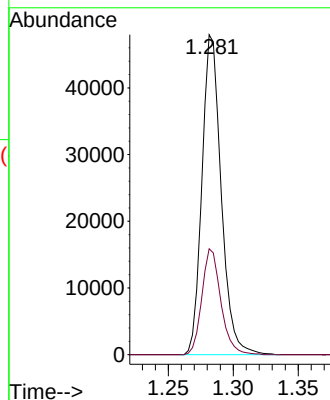
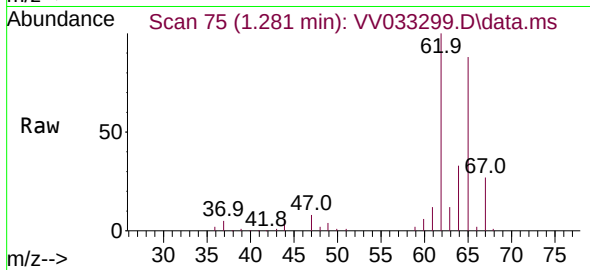




#5
 Vinyl chloride
 Concen: 5.084 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

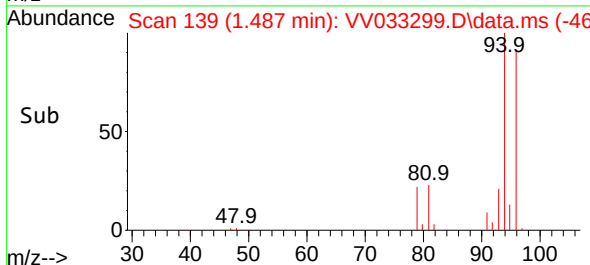
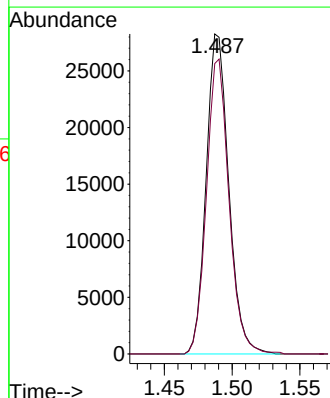
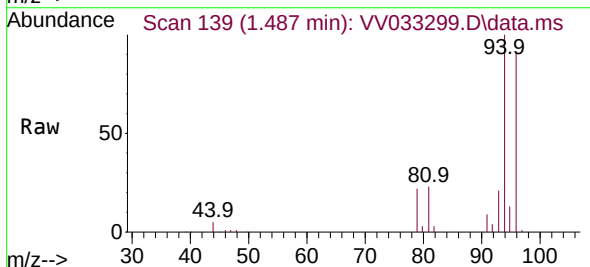
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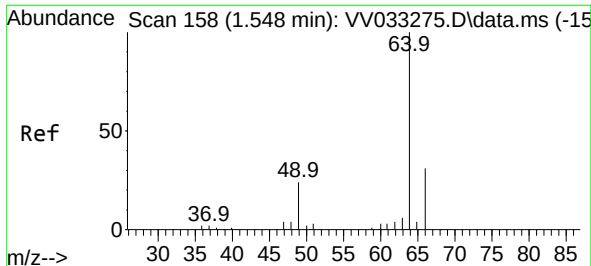
Tgt Ion: 62 Resp: 49529
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.0 42.8



#6
 Bromomethane
 Concen: 5.143 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

Tgt Ion: 94 Resp: 32844
 Ion Ratio Lower Upper
 94 100
 96 90.7 68.3 126.8





#8

Chloroethane

Concen: 4.824 ug/L

RT: 1.552 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

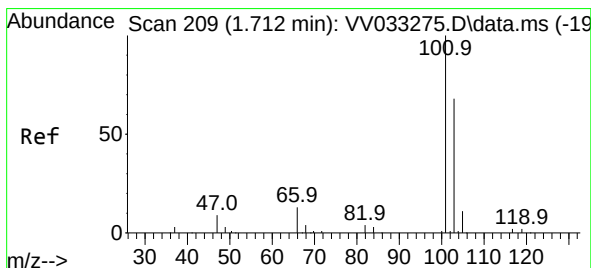
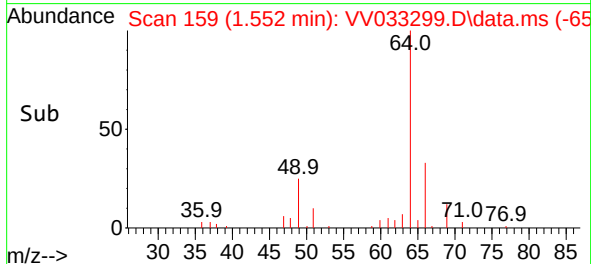
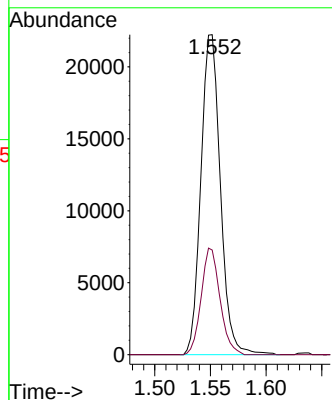
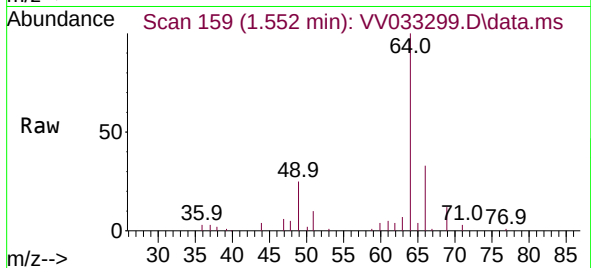
VSTD005316

Tgt Ion: 64 Resp: 27117

Ion Ratio Lower Upper

64 100

66 32.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.011 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.003 min

Lab File: VV033299.D

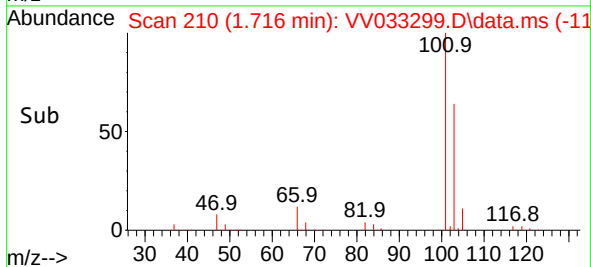
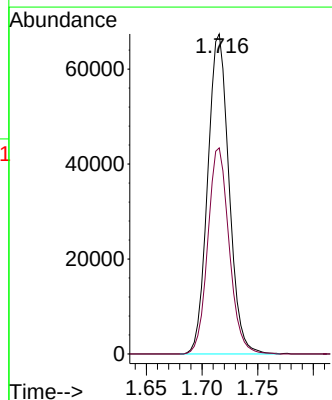
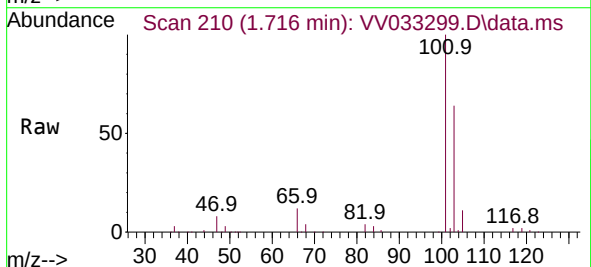
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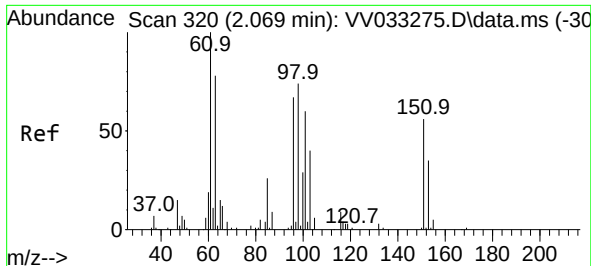
Tgt Ion:101 Resp: 89581

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8

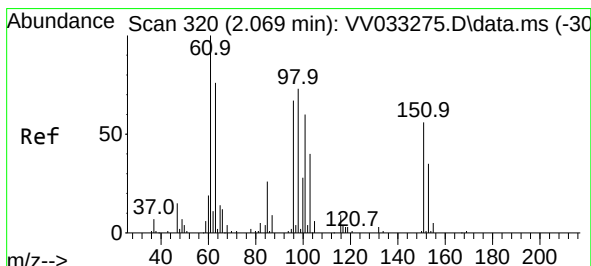
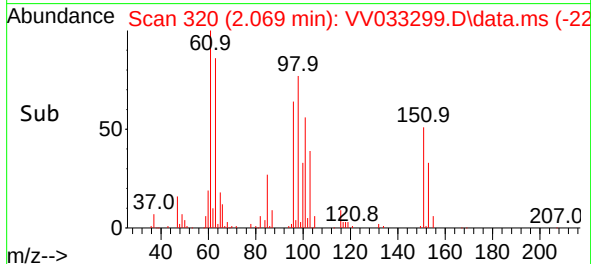
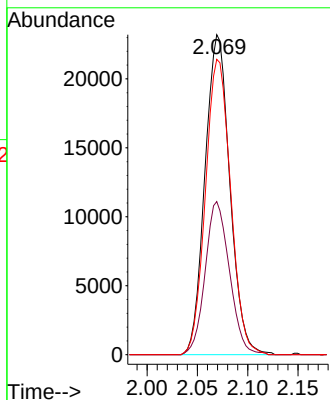
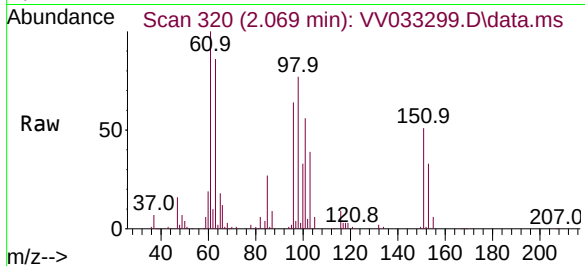




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.830 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

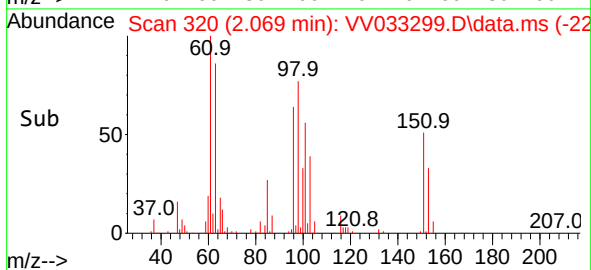
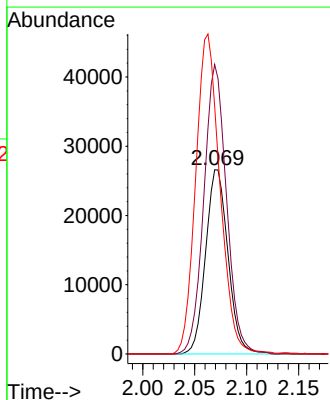
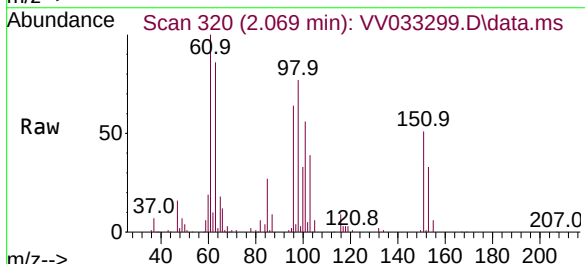
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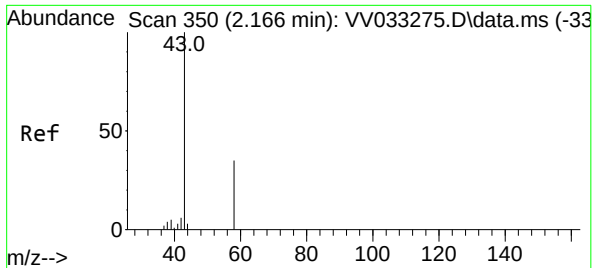
Tgt Ion:101 Resp: 39923
 Ion Ratio Lower Upper
 101 100
 85 46.8 36.2 54.2
 151 93.4 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 5.161 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

Tgt Ion: 96 Resp: 39878
 Ion Ratio Lower Upper
 96 100
 61 157.1 111.6 207.2
 63 134.4 87.1 161.7





#13

Acetone

Concen: 46.175 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.039 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

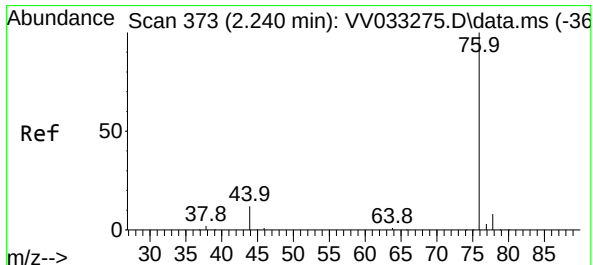
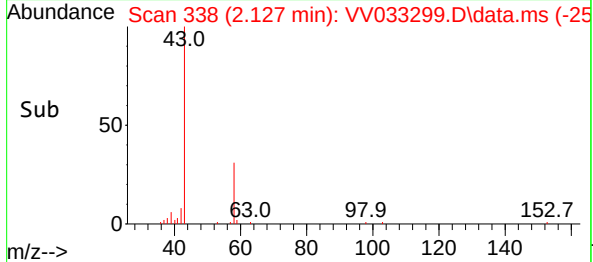
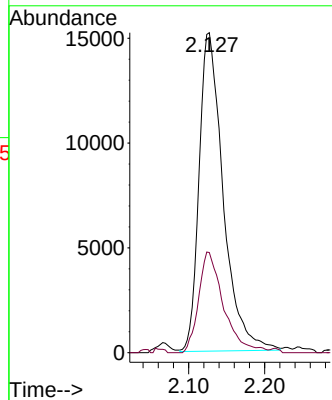
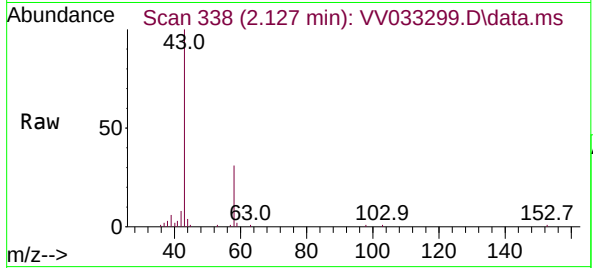
VSTD005316

Tgt Ion: 43 Resp: 33464

Ion Ratio Lower Upper

43 100

58 32.7 0.0 30.2#



#14

Carbon disulfide

Concen: 5.021 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033299.D

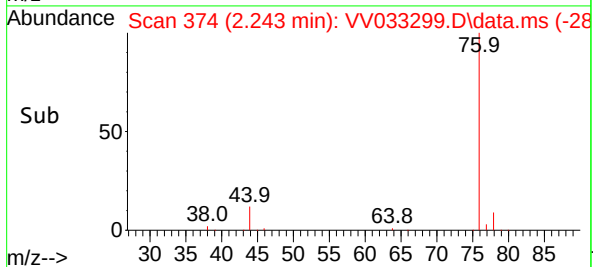
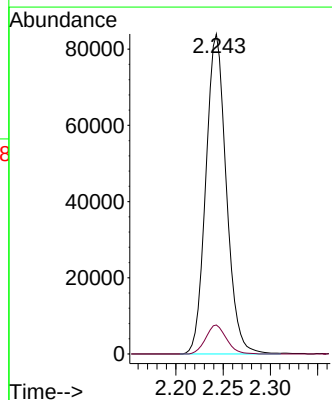
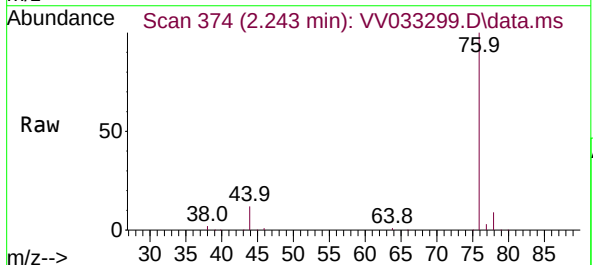
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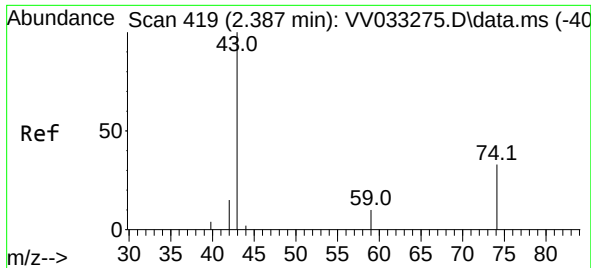
Tgt Ion: 76 Resp: 126350

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

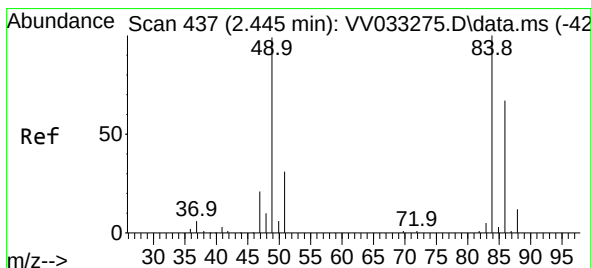
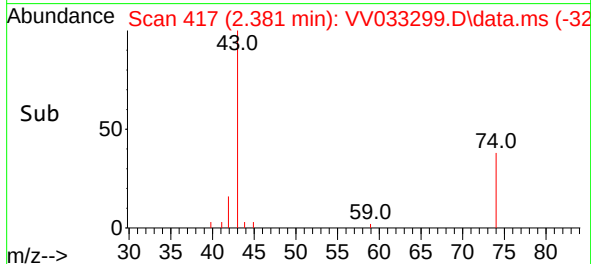
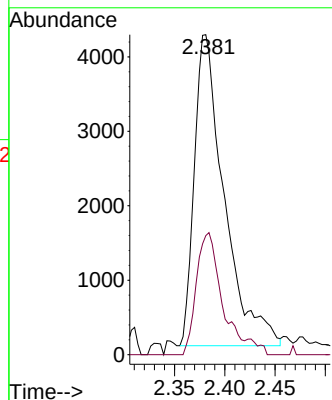
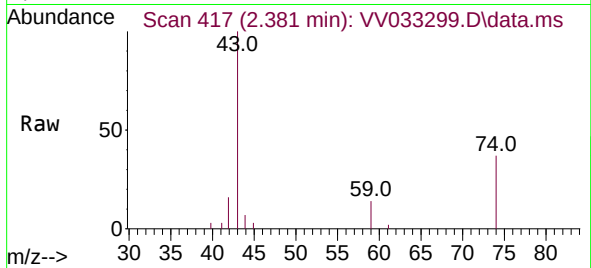




#15
Methyl Acetate
Concen: 4.492 ug/L
RT: 2.381 min Scan# 419
Delta R.T. -0.006 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

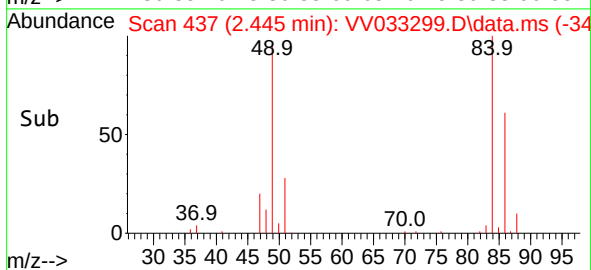
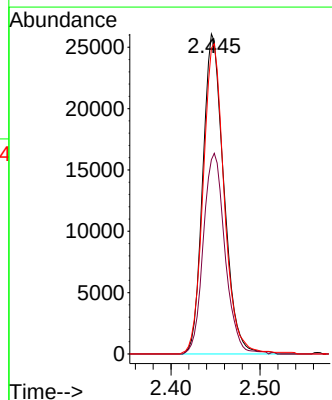
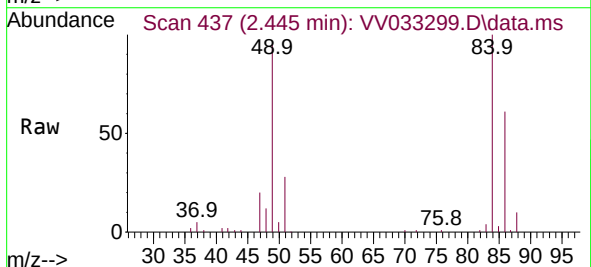
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

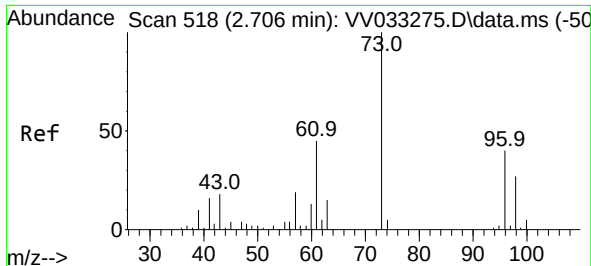
Tgt Ion: 43 Resp: 8628
Ion Ratio Lower Upper
43 100
74 32.8 21.0 31.6#



#16
Methylene chloride
Concen: 4.799 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion: 84 Resp: 42712
Ion Ratio Lower Upper
84 100
86 60.7 47.5 88.1
49 95.5 68.9 127.9





#17

Methyl tert-butyl Ether

Concen: 5.344 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

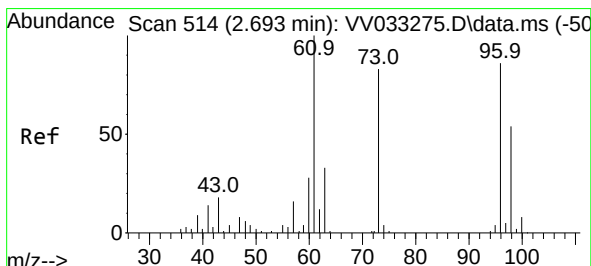
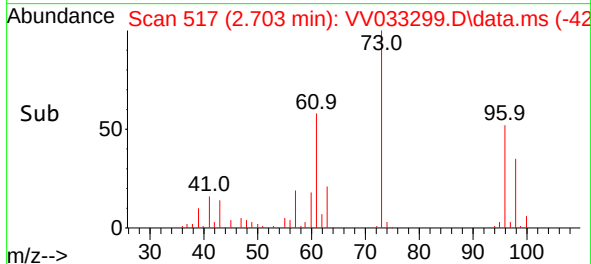
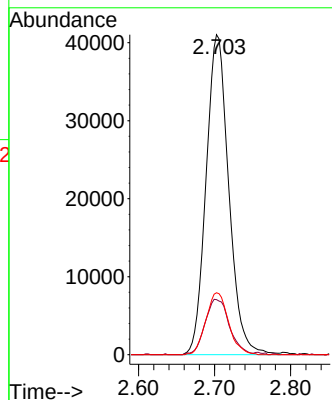
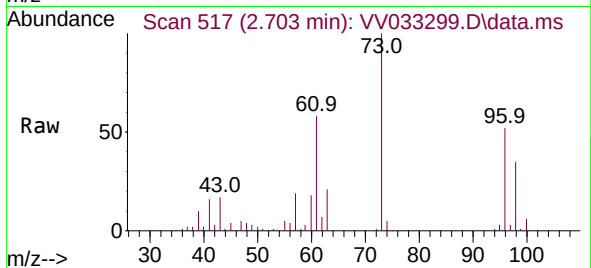
Tgt Ion: 73 Resp: 85040

Ion Ratio Lower Upper

73 100

43 18.6 16.0 24.0

57 19.3 15.6 23.4



#18

trans-1,2-Dichloroethene

Concen: 5.137 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

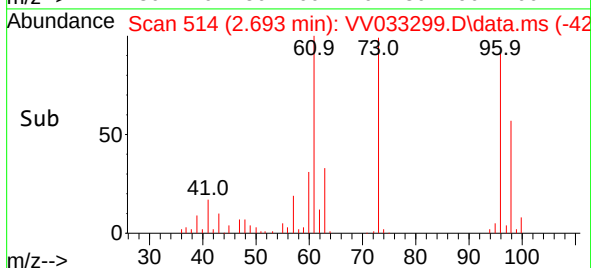
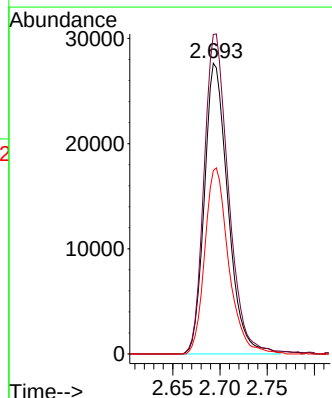
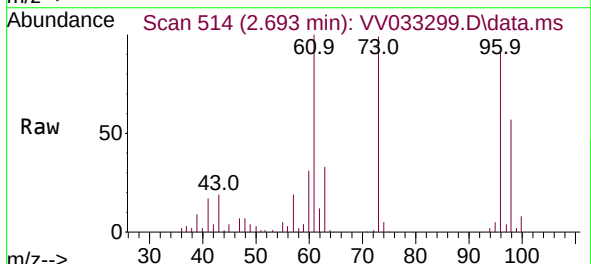
Tgt Ion: 96 Resp: 48062

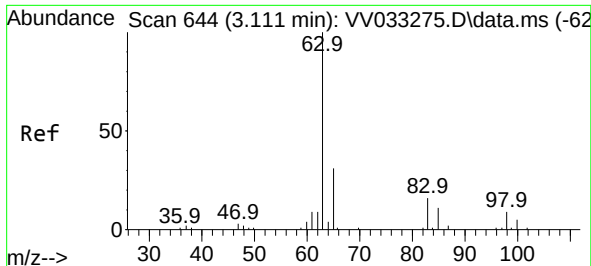
Ion Ratio Lower Upper

96 100

61 109.9 84.6 157.2

98 63.1 46.7 86.7





#19

1,1-Dichloroethane

Concen: 5.160 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

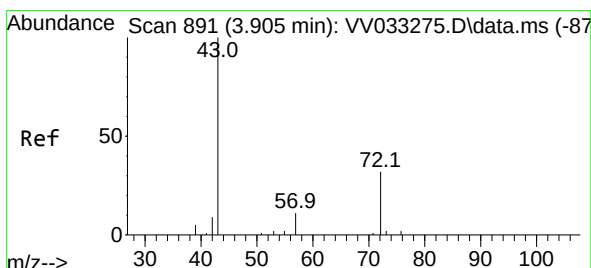
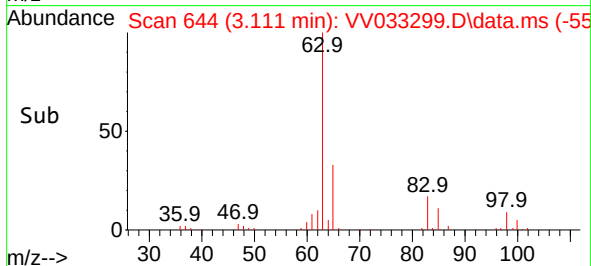
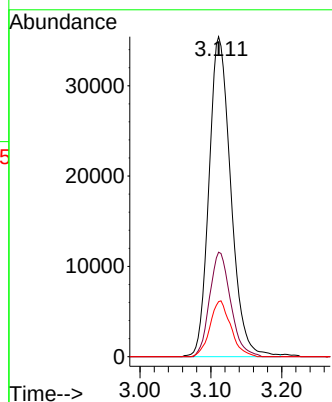
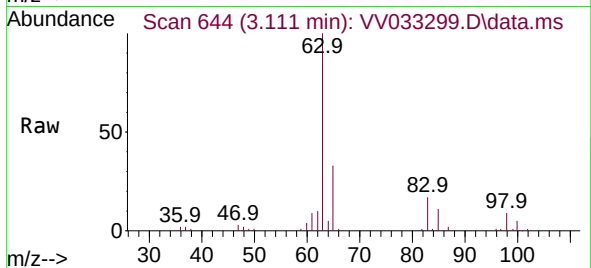
Tgt Ion: 63 Resp: 75762

Ion Ratio Lower Upper

63 100

65 32.6 22.9 42.5

83 17.2 12.6 23.4



#21

2-Butanone

Concen: 46.447 ug/L

RT: 3.876 min Scan# 882

Delta R.T. -0.029 min

Lab File: VV033299.D

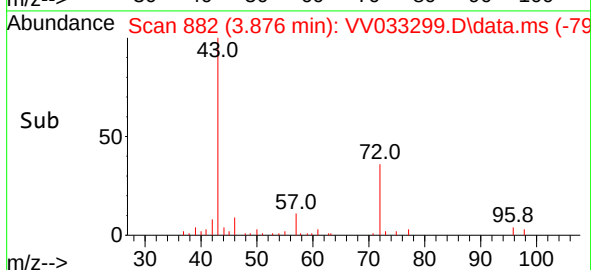
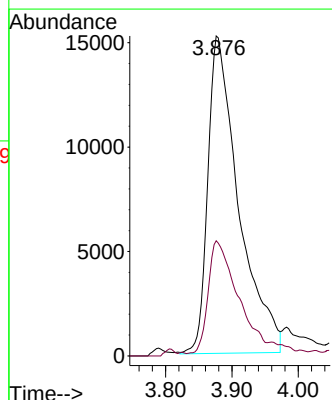
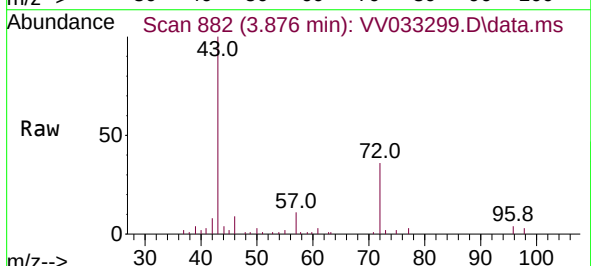
Acq: 14 Dec 2023 00:20

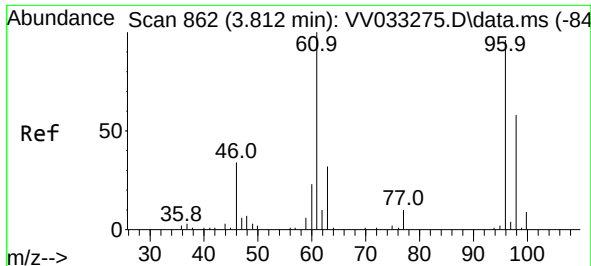
Tgt Ion: 43 Resp: 49037

Ion Ratio Lower Upper

43 100

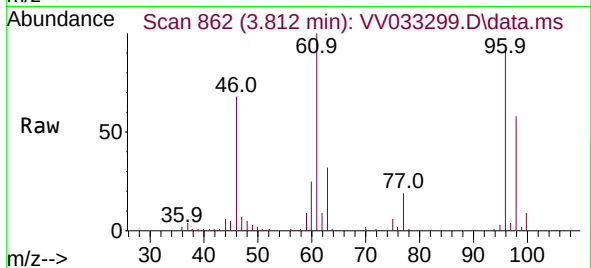
72 33.9 14.8 44.3





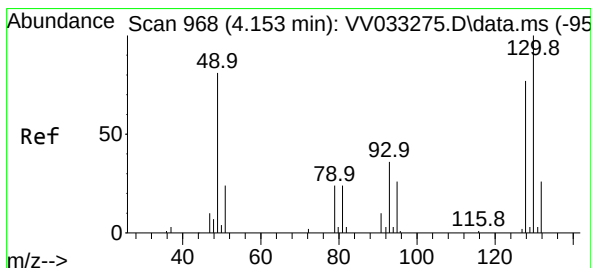
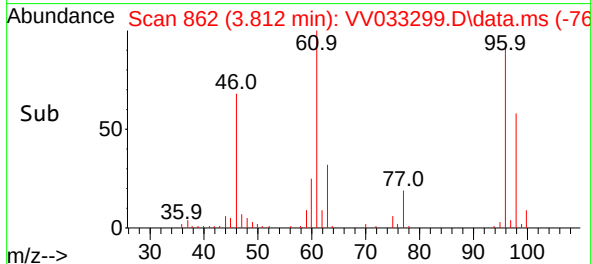
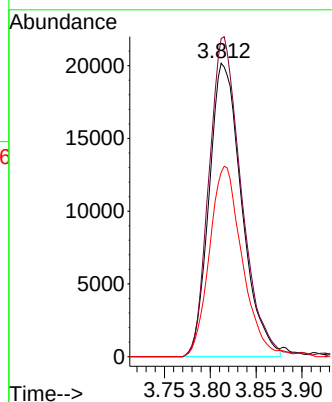
#22
 cis-1,2-Dichloroethene
 Concen: 5.142 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. 0.000 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005316



Tgt Ion: 96 Resp: 49702

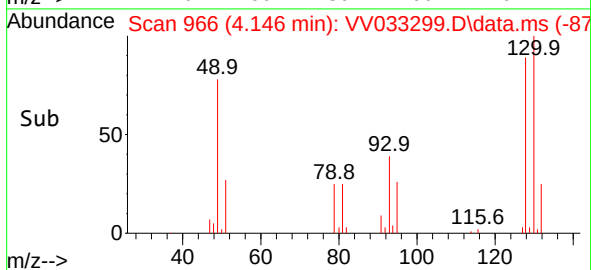
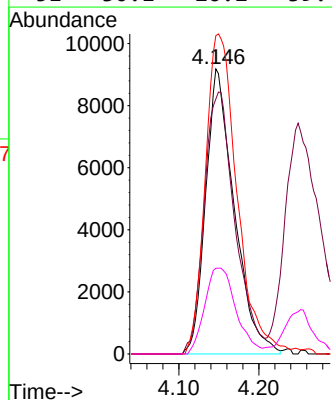
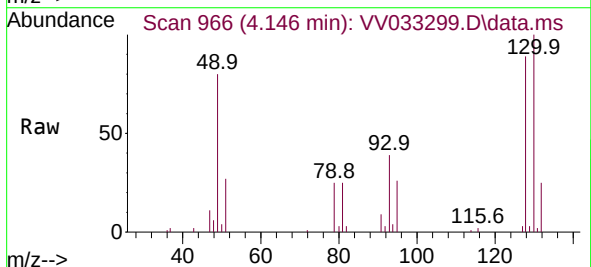
Ion	Ratio	Lower	Upper
96	100		
61	108.4	69.9	129.9
98	62.8	42.4	78.8

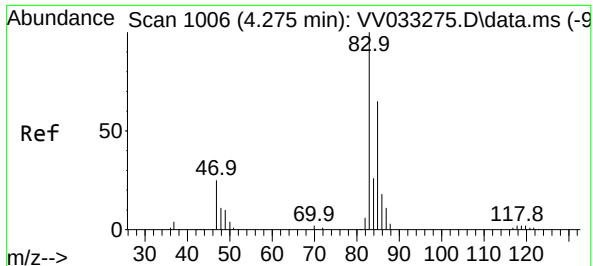


#23
 Bromochloromethane
 Concen: 5.471 ug/L
 RT: 4.146 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VV033299.D
 Acq: 14 Dec 2023 00:20

Tgt Ion: 128 Resp: 22837

Ion	Ratio	Lower	Upper
128	100		
49	89.5	65.8	122.2
130	111.7	91.1	169.3
51	30.1	26.2	39.4

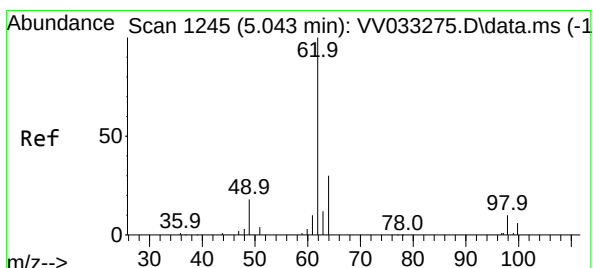
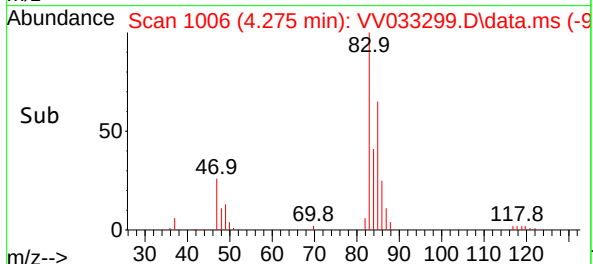
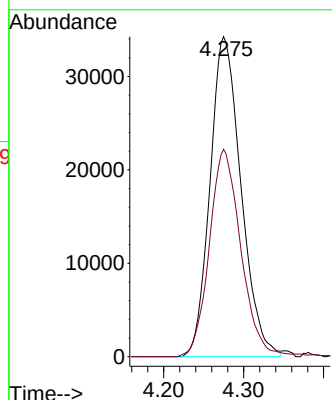
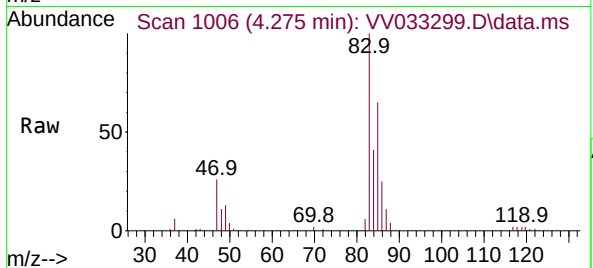




#25
Chloroform
Concen: 5.321 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

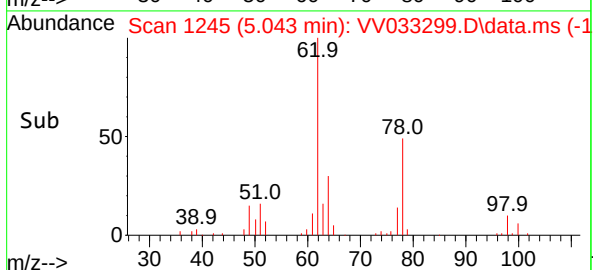
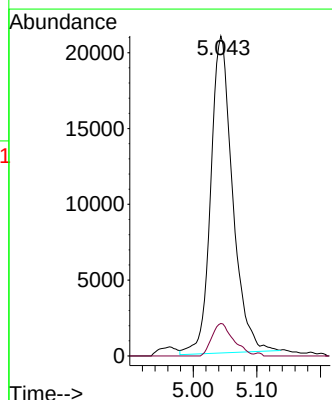
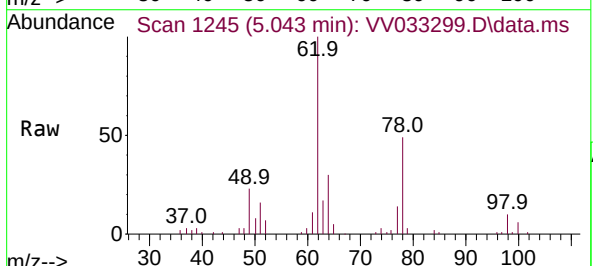
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

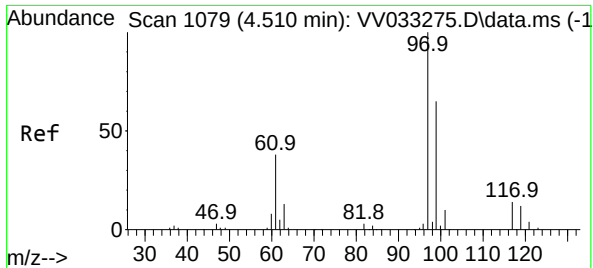
Tgt Ion: 83 Resp: 92119
Ion Ratio Lower Upper
83 100
85 64.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.250 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion: 62 Resp: 49882
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.4

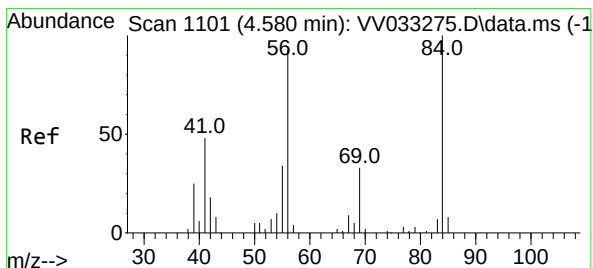
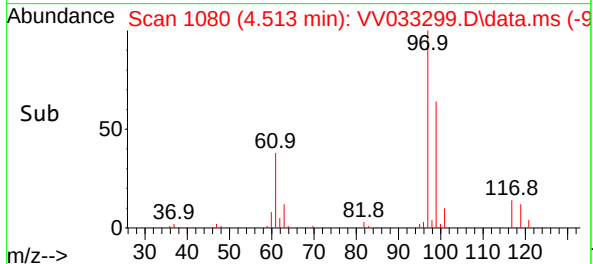
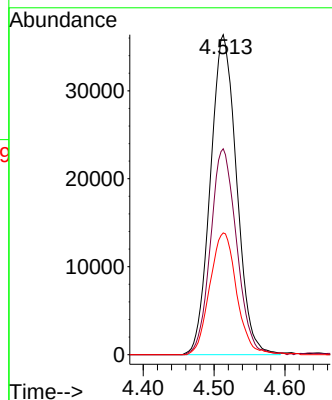
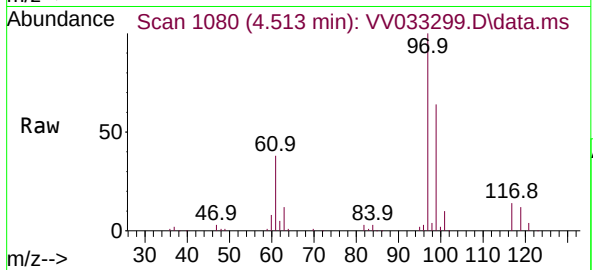




#29
1,1,1-Trichloroethane
Concen: 5.120 ug/L
RT: 4.513 min Scan# 1079
Delta R.T. 0.003 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

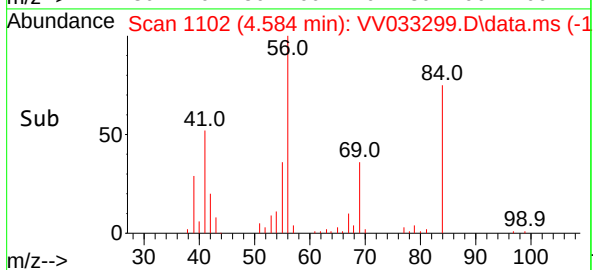
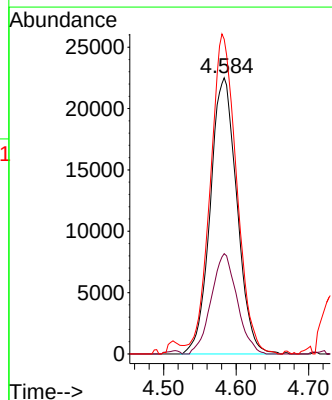
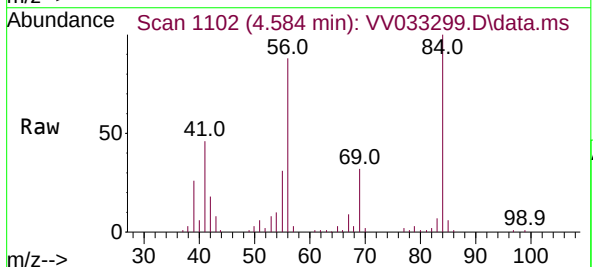
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

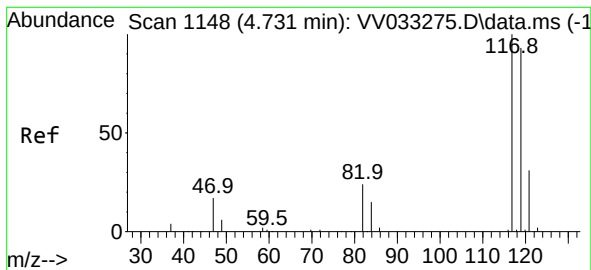
Tgt Ion: 97 Resp: 93341
Ion Ratio Lower Upper
97 100
99 64.1 52.8 79.2
61 38.9 30.3 45.5



#30
Cyclohexane
Concen: 4.939 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion: 56 Resp: 57449
Ion Ratio Lower Upper
56 100
69 35.3 28.8 43.2
84 114.4 86.2 129.4





#31

Carbon tetrachloride

Concen: 5.138 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

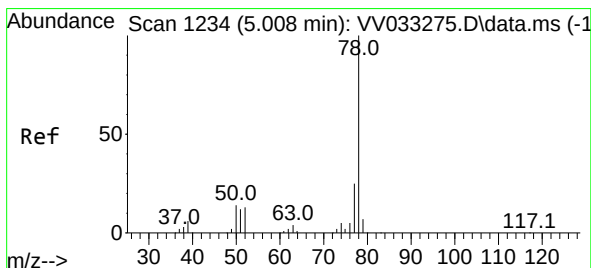
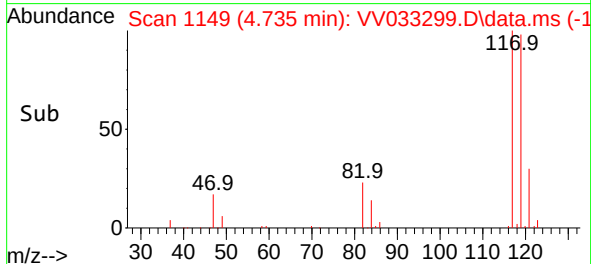
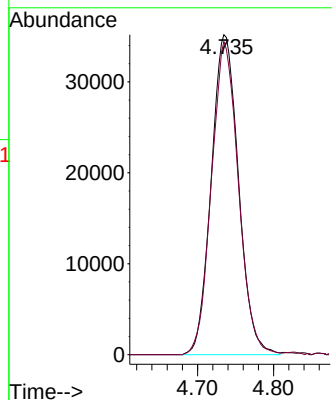
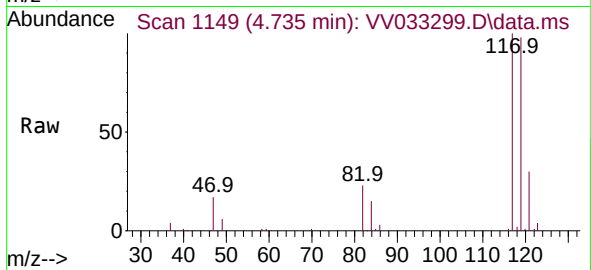
VSTD005316

Tgt Ion:117 Resp: 87506

Ion Ratio Lower Upper

117 100

119 96.5 77.8 116.8



#33

Benzene

Concen: 5.233 ug/L

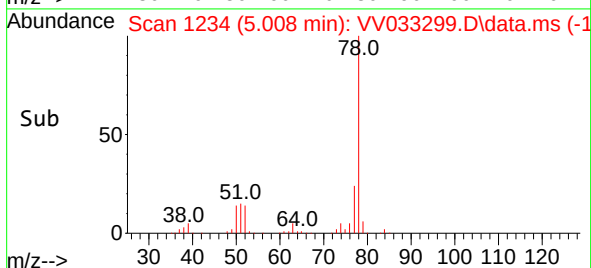
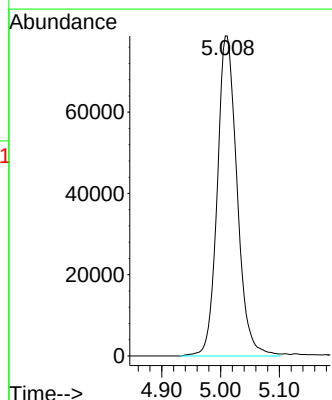
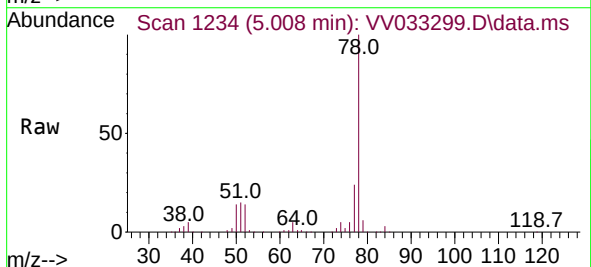
RT: 5.008 min Scan# 1234

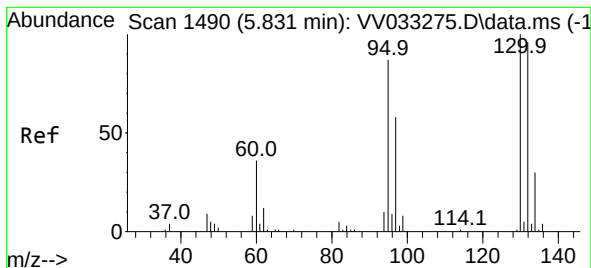
Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Tgt Ion: 78 Resp: 184346





#34

Trichloroethene

Concen: 5.119 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

Tgt Ion: 95 Resp: 52580

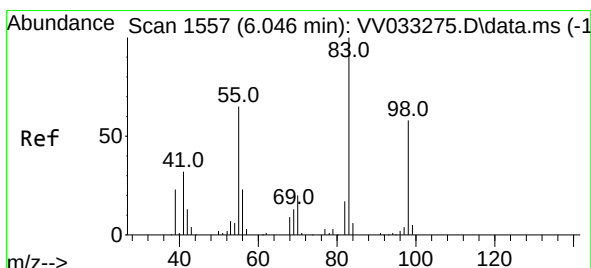
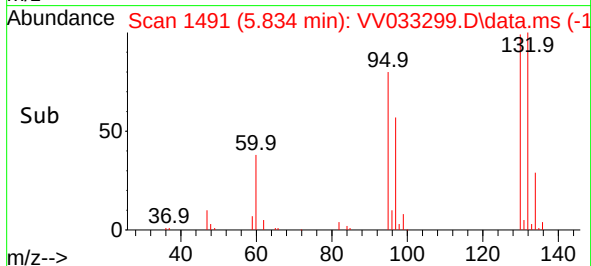
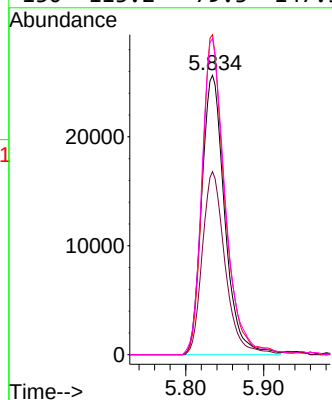
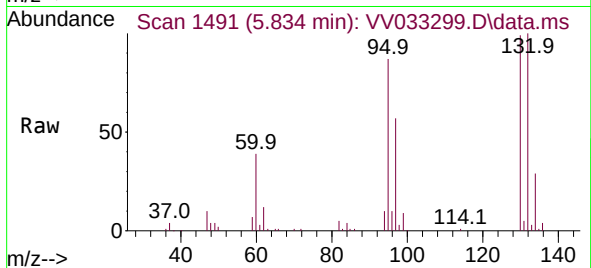
Ion Ratio Lower Upper

95 100

97 65.5 46.5 86.5

132 114.5 75.1 139.5

130 113.2 79.3 147.3



#35

Methylcyclohexane

Concen: 5.007 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

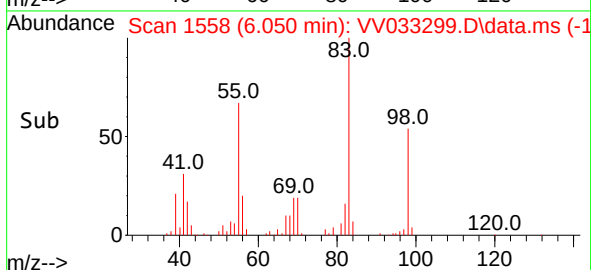
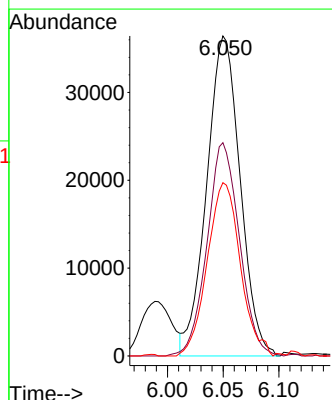
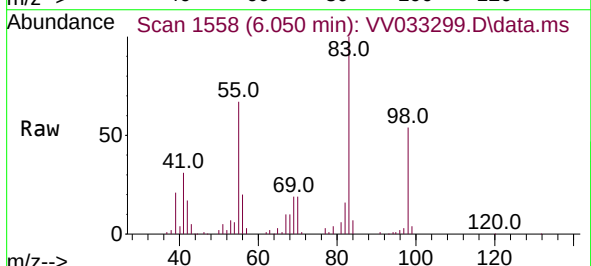
Tgt Ion: 83 Resp: 76175

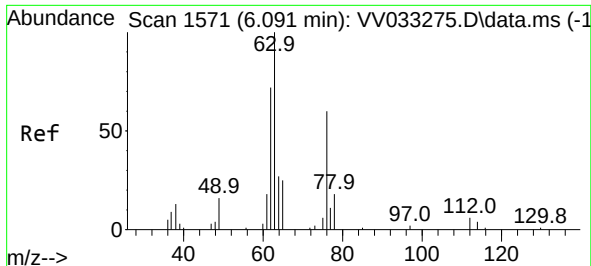
Ion Ratio Lower Upper

83 100

55 64.4 50.7 76.1

98 53.4 42.4 63.6





#37

1,2-Dichloropropane

Concen: 5.119 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

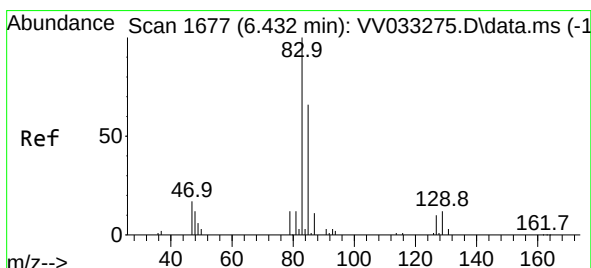
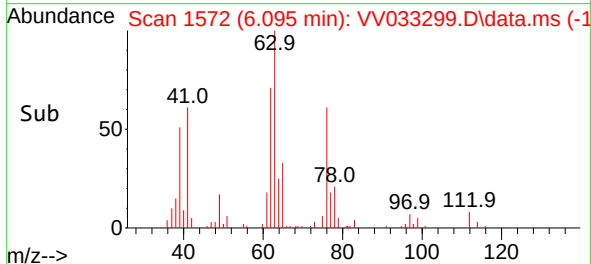
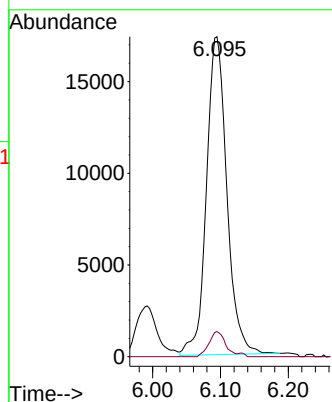
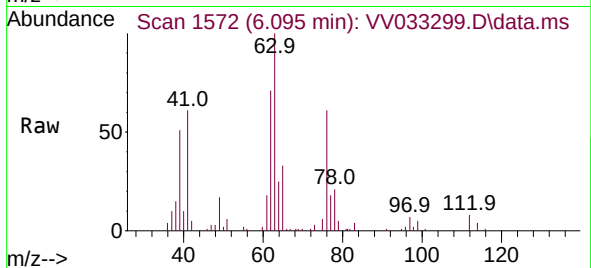
VSTD005316

Tgt Ion: 63 Resp: 36275

Ion Ratio Lower Upper

63 100

112 6.3 5.0 7.6



#38

Bromodichloromethane

Concen: 5.305 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

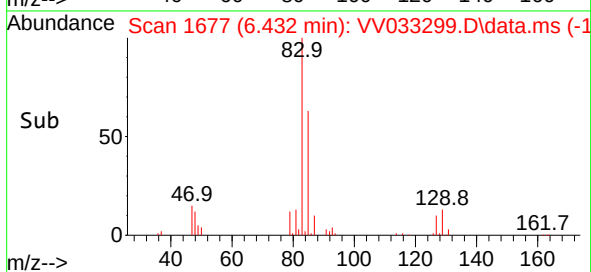
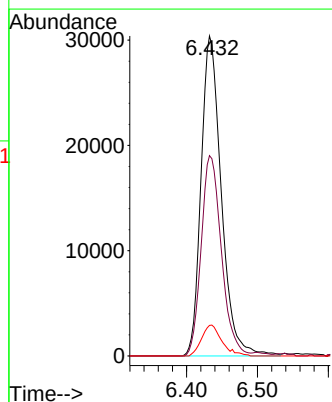
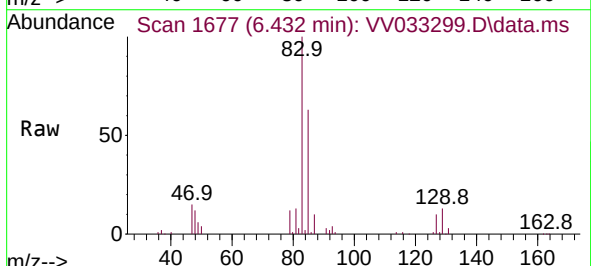
Tgt Ion: 83 Resp: 60334

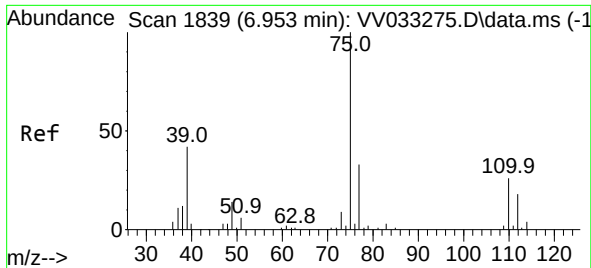
Ion Ratio Lower Upper

83 100

85 62.6 46.6 86.6

127 9.5 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 5.314 ug/L

RT: 6.956 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

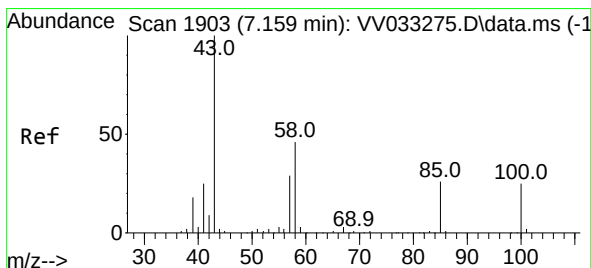
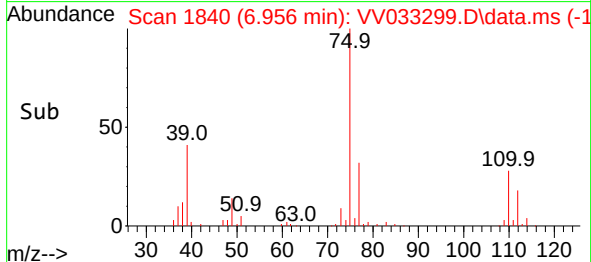
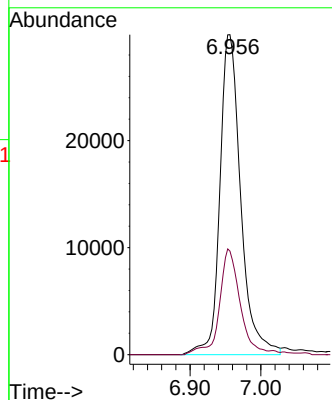
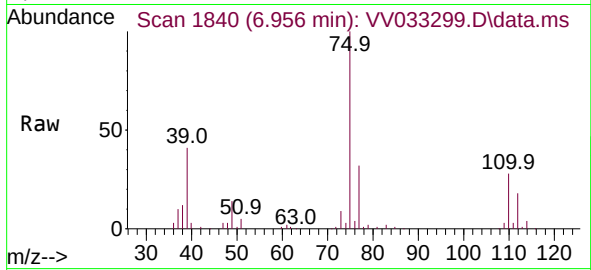
VSTD005316

Tgt Ion: 75 Resp: 61151

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.956 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

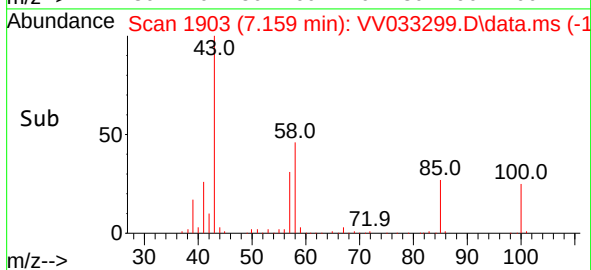
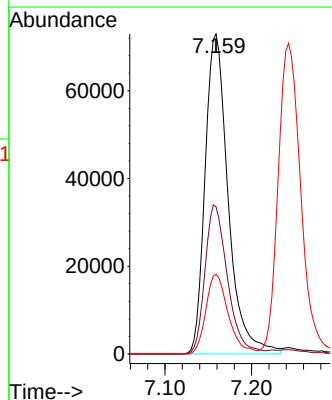
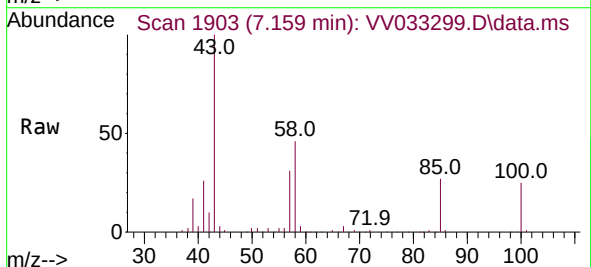
Tgt Ion: 43 Resp: 135284

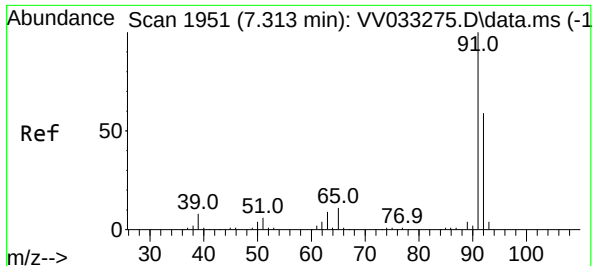
Ion Ratio Lower Upper

43 100

58 45.5 36.2 54.2

100 24.1 18.8 28.2





#42

Toluene

Concen: 5.332 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

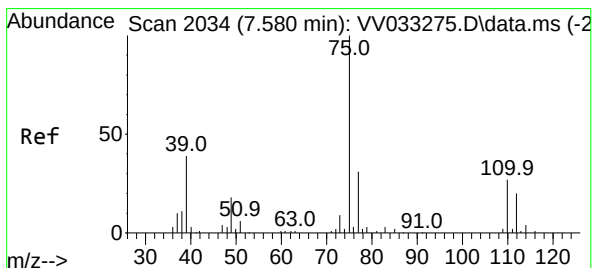
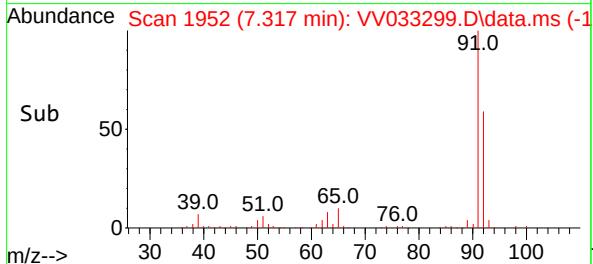
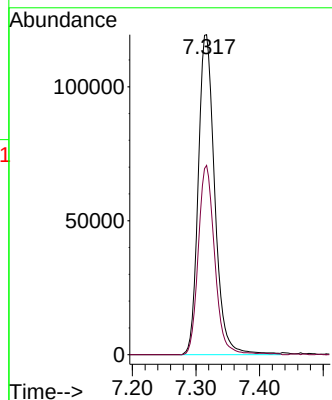
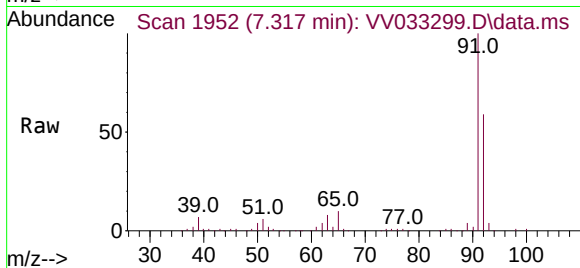
VSTD005316

Tgt Ion: 91 Resp: 215147

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.413 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV033299.D

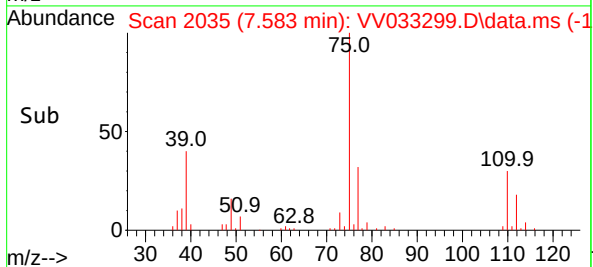
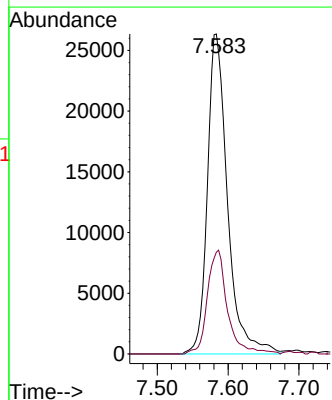
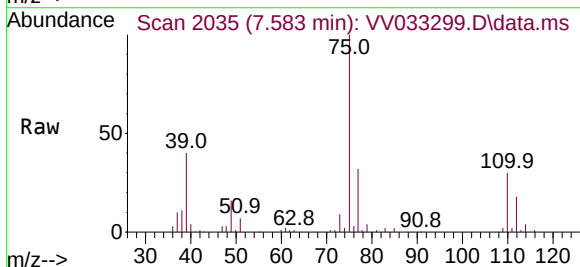
Acq: 14 Dec 2023 00:20

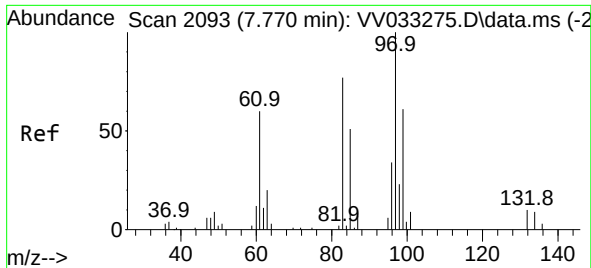
Tgt Ion: 75 Resp: 51923

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3

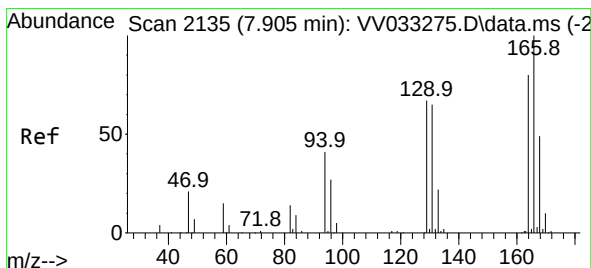
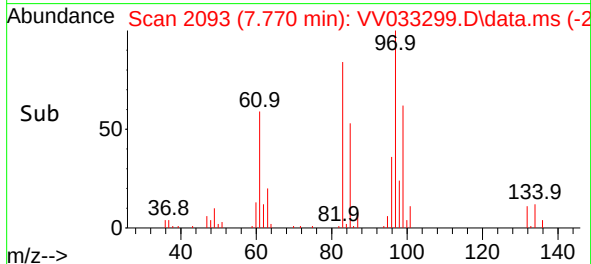
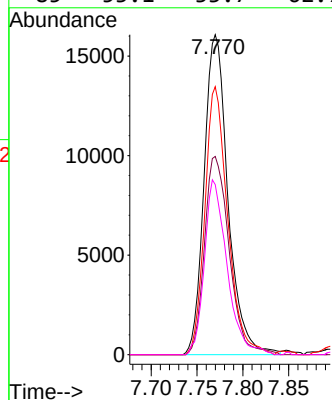
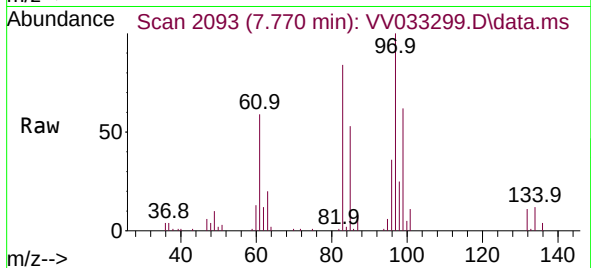




#45
1,1,2-Trichloroethane
Concen: 5.342 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

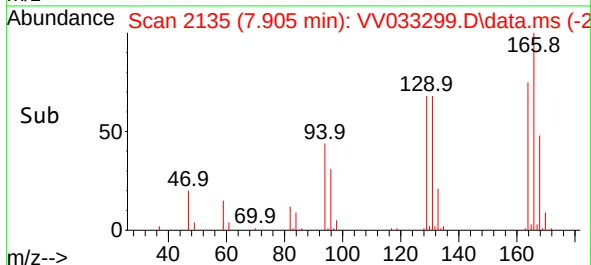
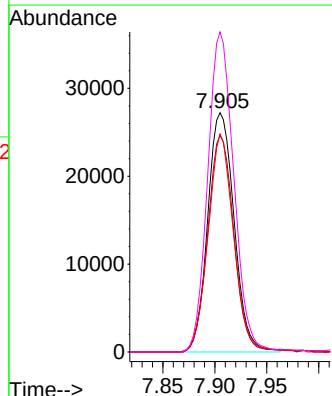
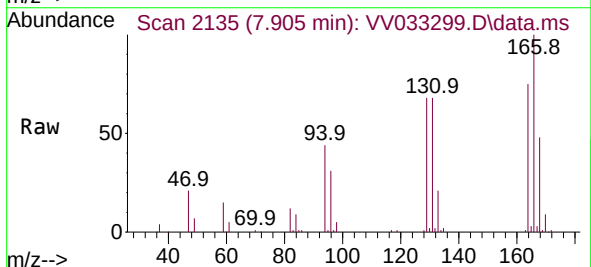
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

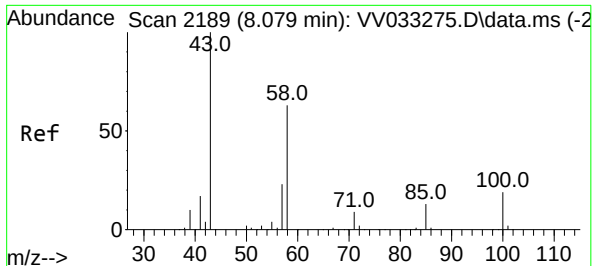
Tgt Ion:	97	Resp:	29151
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.5	82.7
83	83.7	54.7	101.5
85	53.1	33.7	62.7



#47
Tetrachloroethene
Concen: 4.947 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion:	164	Resp:	48113
Ion	Ratio	Lower	Upper
164	100		
129	90.7	62.6	116.3
131	91.1	62.6	116.3
166	133.8	90.2	167.6



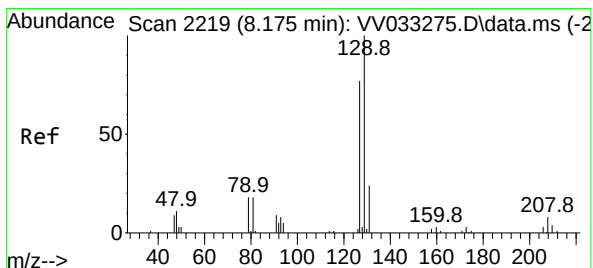
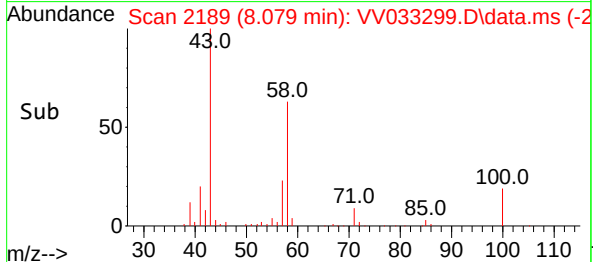
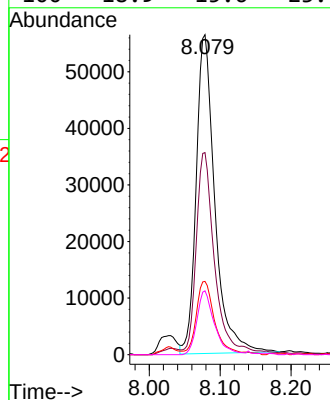
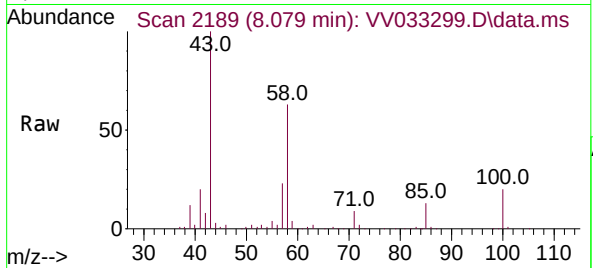


#48
2-Hexanone
Concen: 56.961 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

Tgt Ion: 43 Resp: 102935

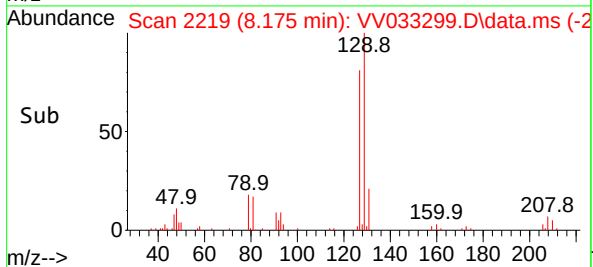
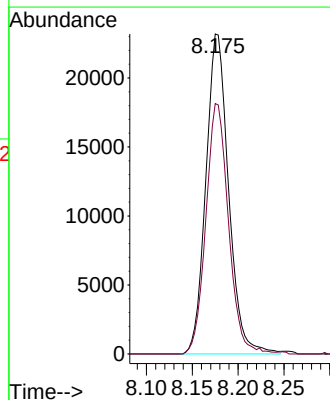
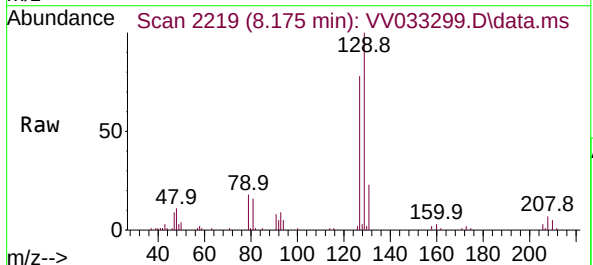
Ion	Ratio	Lower	Upper
43	100		
58	62.3	48.6	72.8
57	23.1	18.1	27.1
100	18.9	15.6	23.4

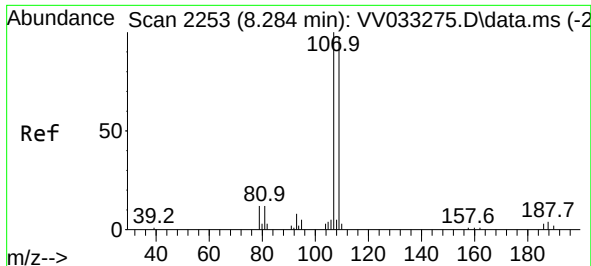


#49
Dibromochloromethane
Concen: 5.231 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion: 129 Resp: 40038

Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.448 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

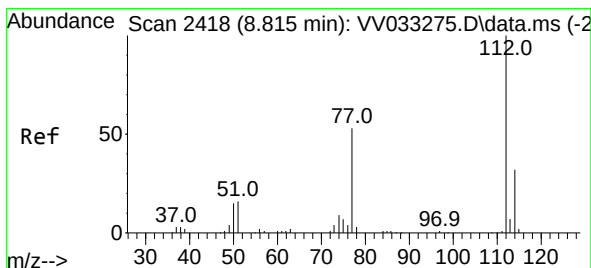
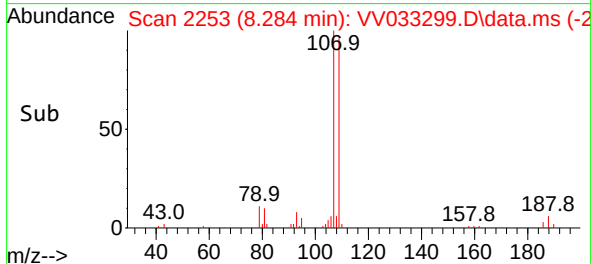
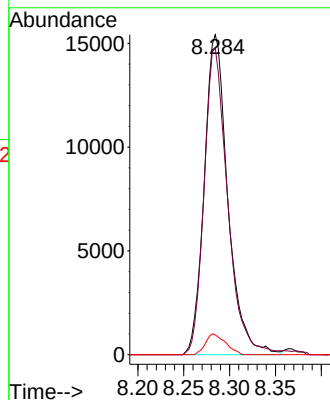
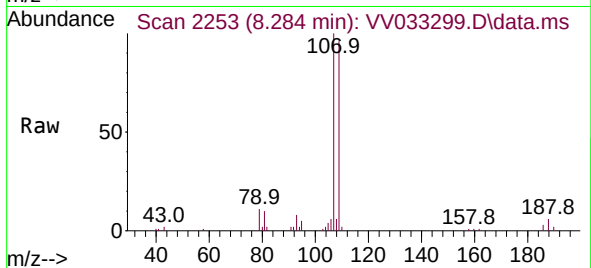
Tgt Ion:107 Resp: 27607

Ion Ratio Lower Upper

107 100

109 95.8 64.2 119.2

188 6.2 3.4 5.2#



#51

Chlorobenzene

Concen: 5.158 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

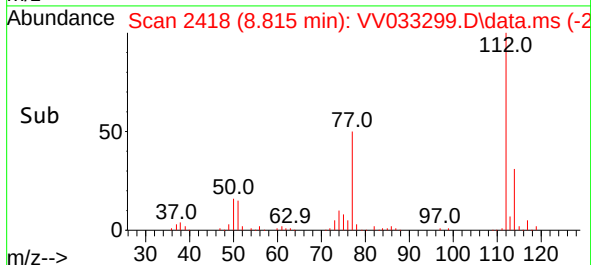
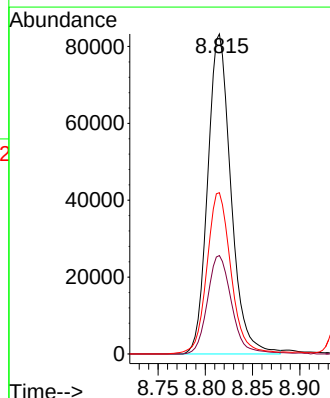
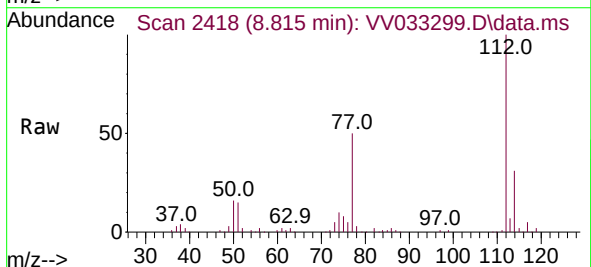
Tgt Ion:112 Resp: 142565

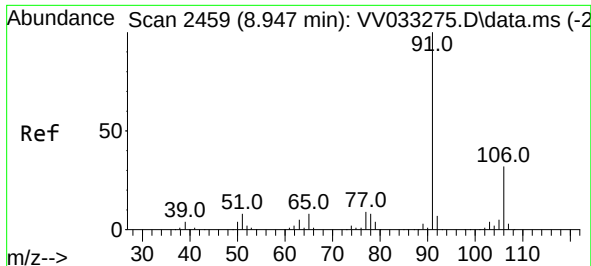
Ion Ratio Lower Upper

112 100

114 30.7 22.8 42.4

77 50.4 41.3 61.9





#52

Ethylbenzene

Concen: 5.285 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

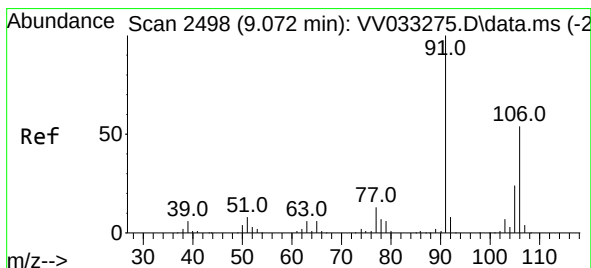
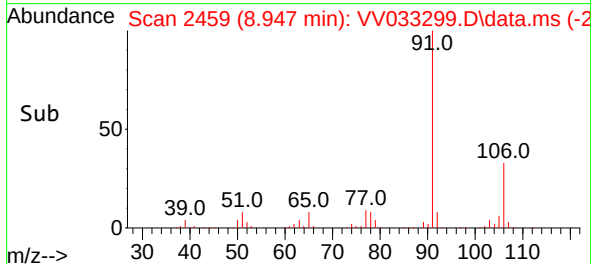
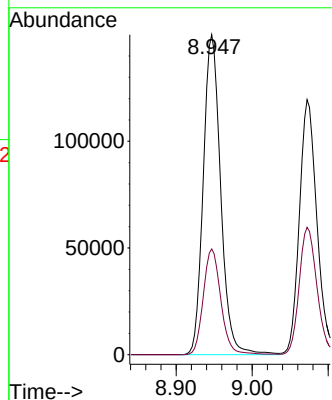
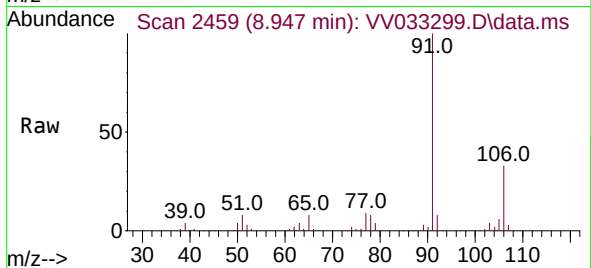
VSTD005316

Tgt Ion: 91 Resp: 238939

Ion Ratio Lower Upper

91 100

106 33.1 22.7 42.3



#53

m,p-Xylene

Concen: 5.268 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033299.D

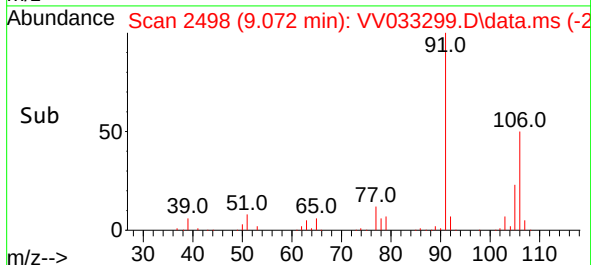
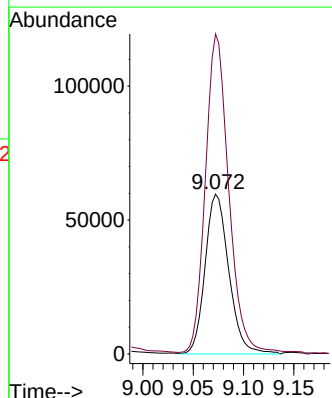
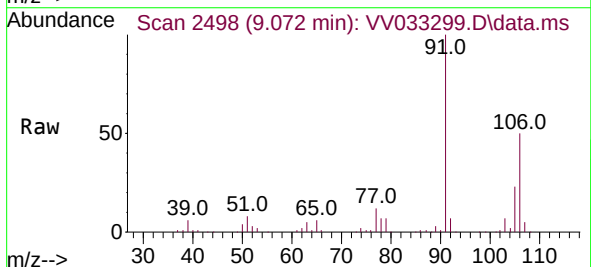
Acq: 14 Dec 2023 00:20

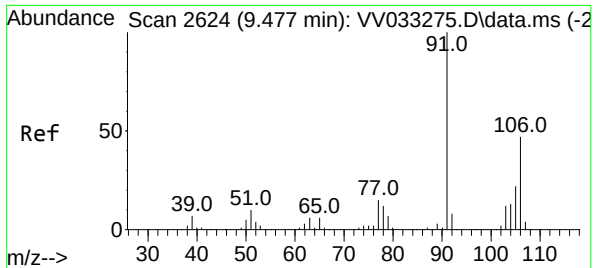
Tgt Ion:106 Resp: 98010

Ion Ratio Lower Upper

106 100

91 200.3 136.8 254.0

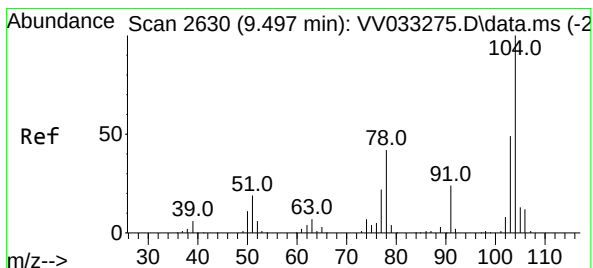
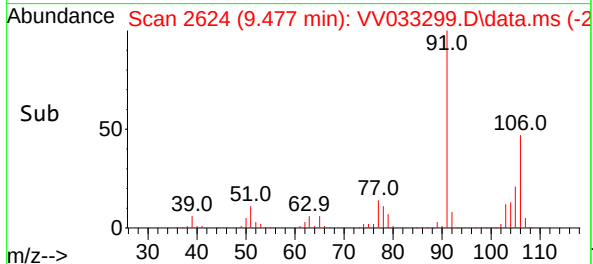
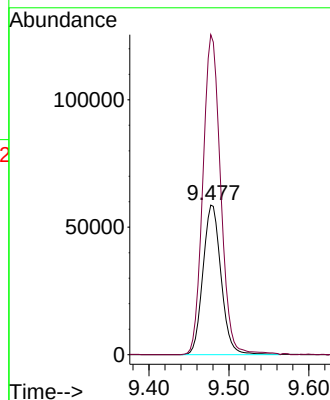
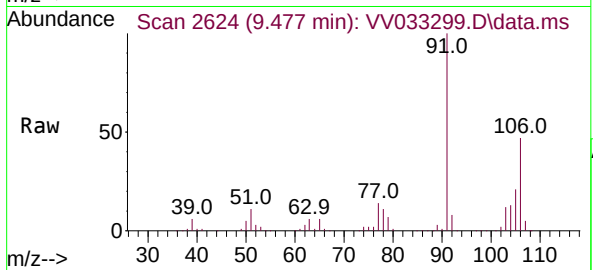




#54
o-Xylene
Concen: 5.263 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

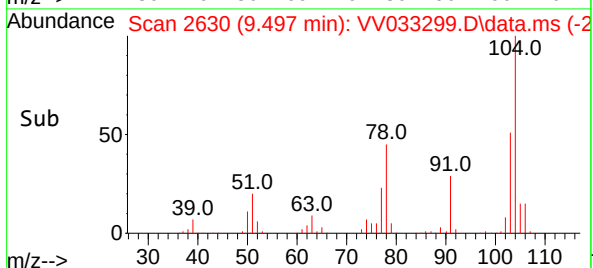
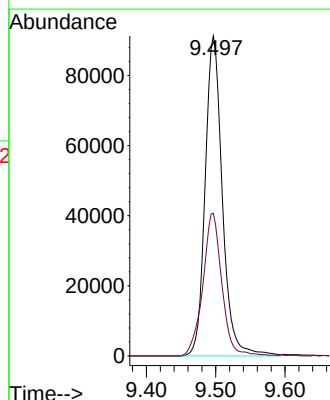
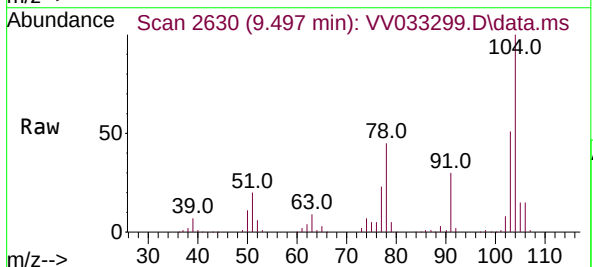
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

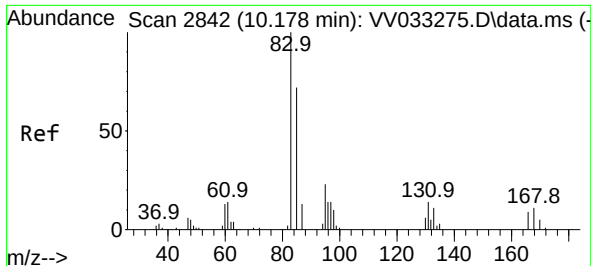
Tgt Ion:106 Resp: 92744
Ion Ratio Lower Upper
106 100
91 213.9 149.9 278.5



#55
Styrene
Concen: 5.442 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion:104 Resp: 157344
Ion Ratio Lower Upper
104 100
78 44.6 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.135 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

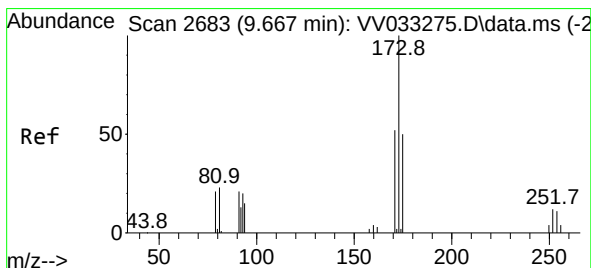
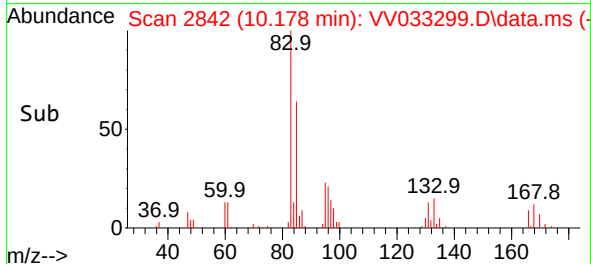
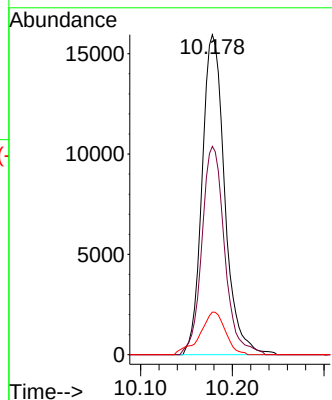
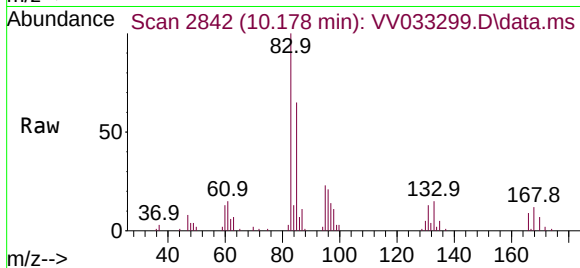
Tgt Ion: 83 Resp: 27309

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.4

131 13.3 11.5 17.3



#59

Bromoform

Concen: 5.120 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

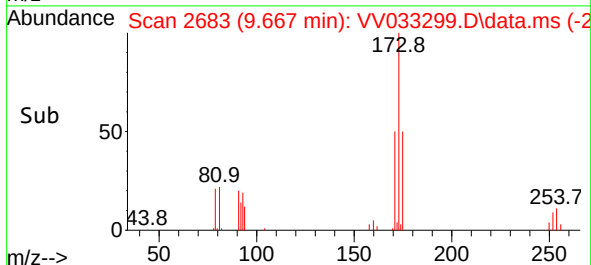
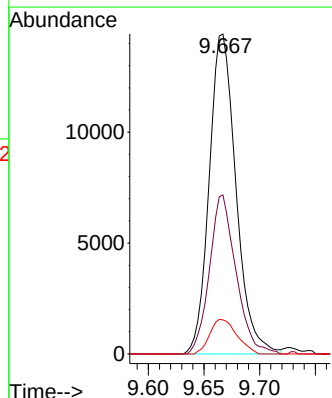
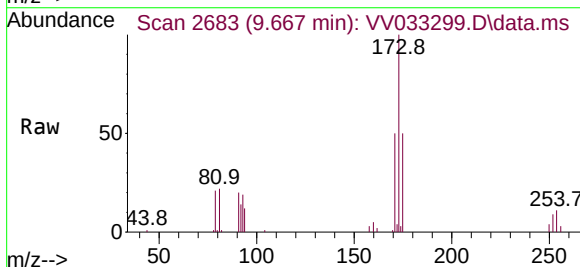
Tgt Ion: 173 Resp: 24160

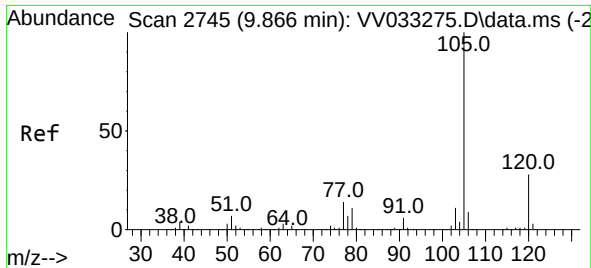
Ion Ratio Lower Upper

173 100

175 49.1 37.0 55.4

254 10.9 8.5 12.7

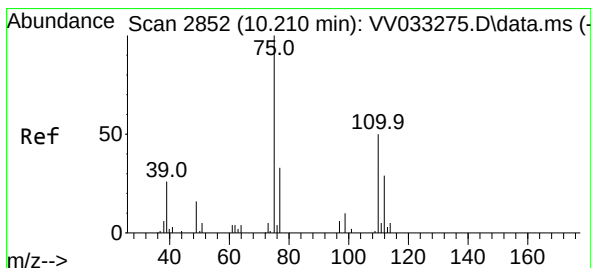
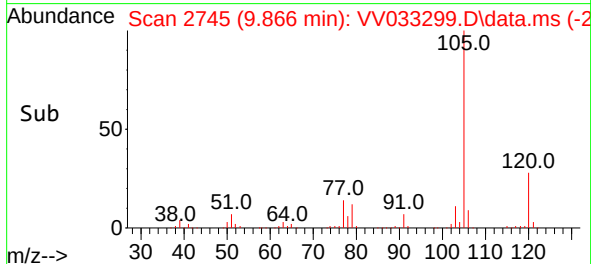
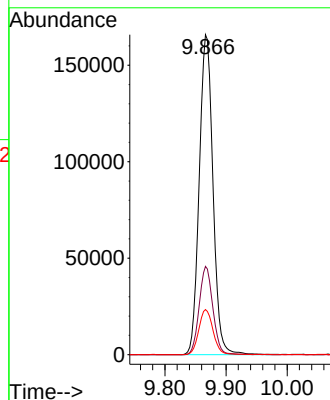
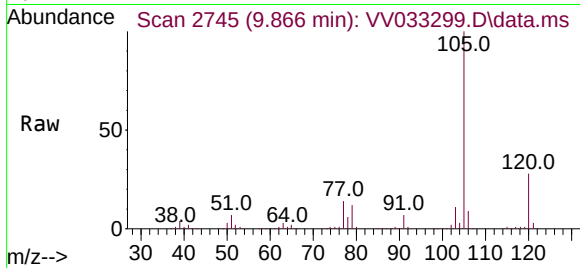




#60
Isopropylbenzene
Concen: 5.080 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

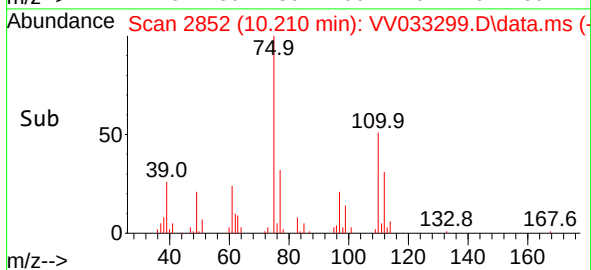
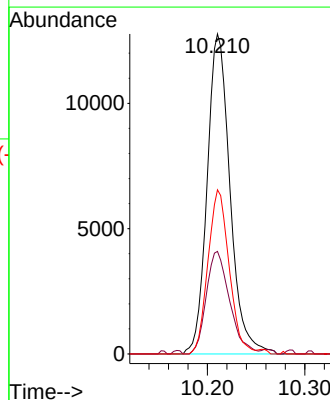
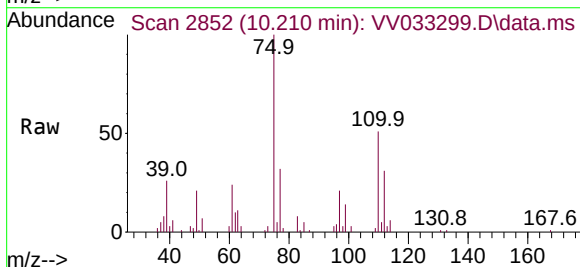
Instrument :
MSVOA_V
ClientSampleId :
VSTD005316

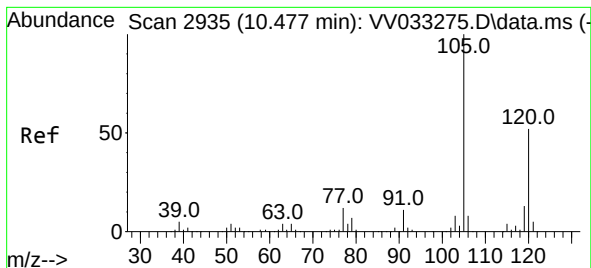
Tgt Ion:105 Resp: 258487
Ion Ratio Lower Upper
105 100
120 27.5 22.2 33.4
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.121 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033299.D
Acq: 14 Dec 2023 00:20

Tgt Ion: 75 Resp: 20846
Ion Ratio Lower Upper
75 100
77 32.7 27.4 41.2
110 47.5 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 5.045 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

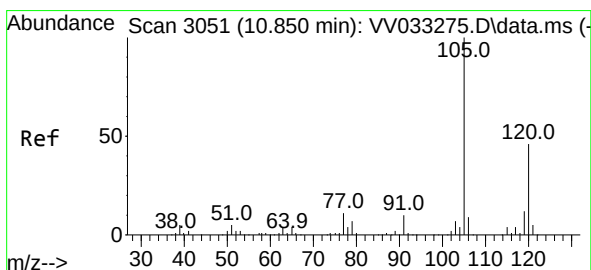
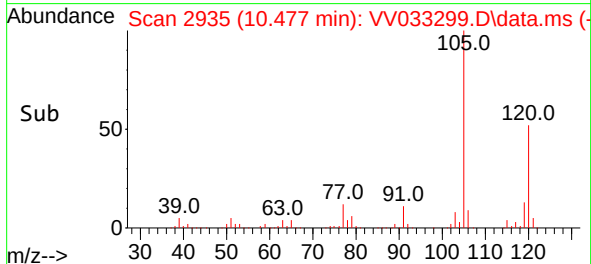
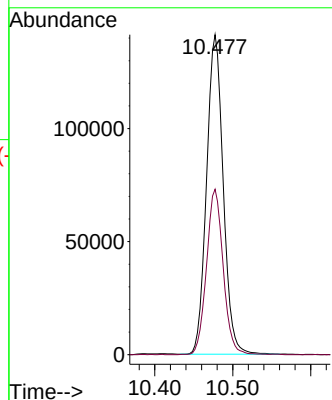
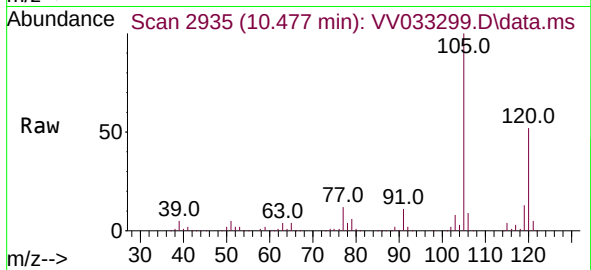
VSTD005316

Tgt Ion:105 Resp: 209961

Ion Ratio Lower Upper

105 100

120 51.9 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 5.132 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033299.D

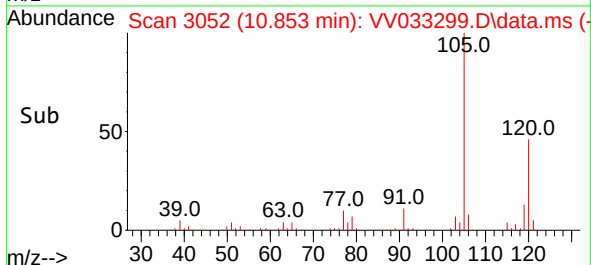
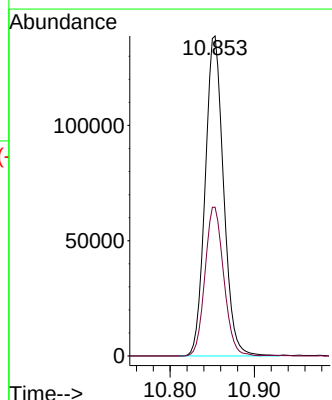
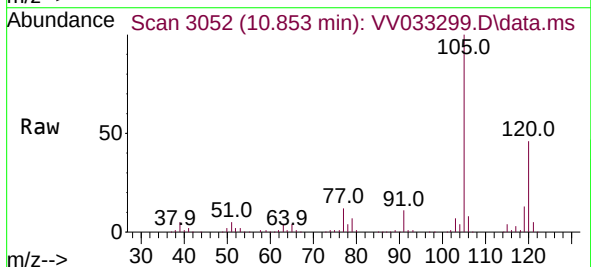
Acq: 14 Dec 2023 00:20

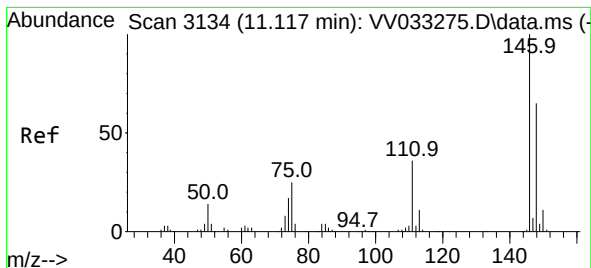
Tgt Ion:105 Resp: 211271

Ion Ratio Lower Upper

105 100

120 47.4 38.1 57.1





#64

1,3-Dichlorobenzene

Concen: 5.148 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

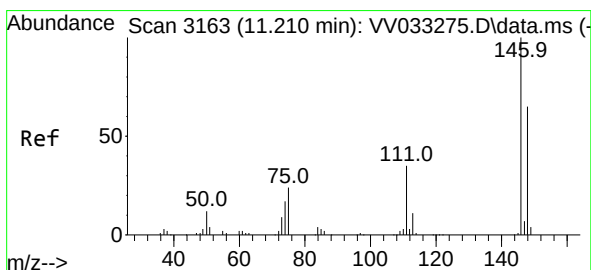
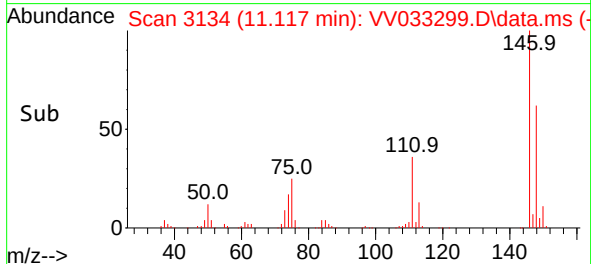
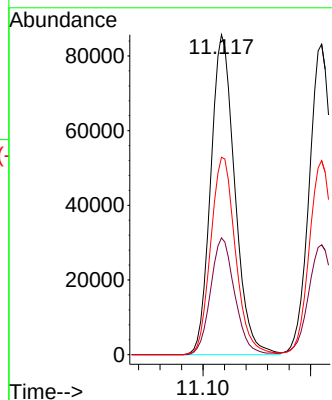
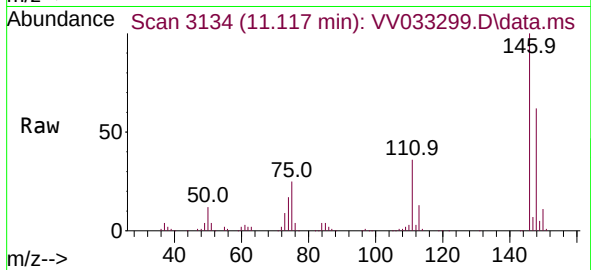
Tgt Ion:146 Resp: 133309

Ion Ratio Lower Upper

146 100

111 36.5 26.0 48.2

148 61.7 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 5.090 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

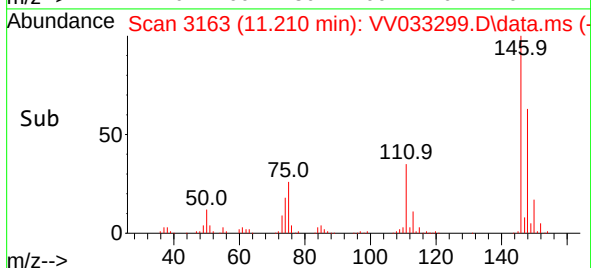
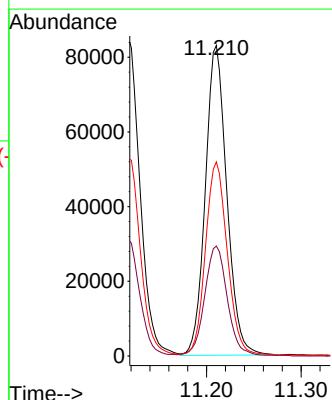
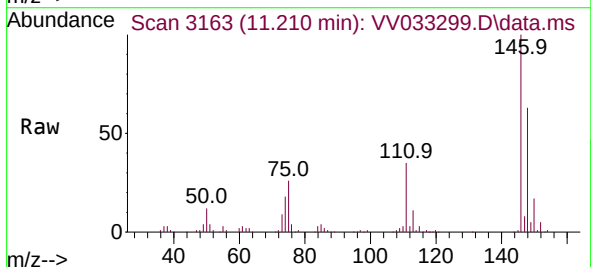
Tgt Ion:146 Resp: 131160

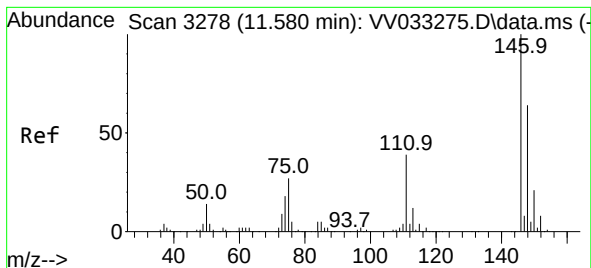
Ion Ratio Lower Upper

146 100

111 35.4 25.6 47.4

148 62.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.059 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

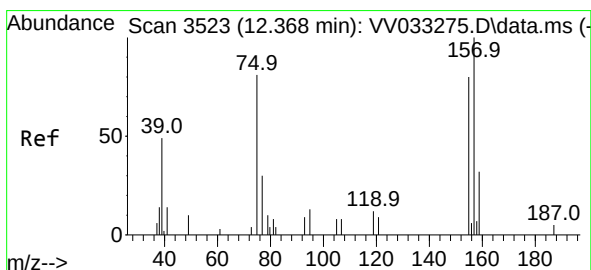
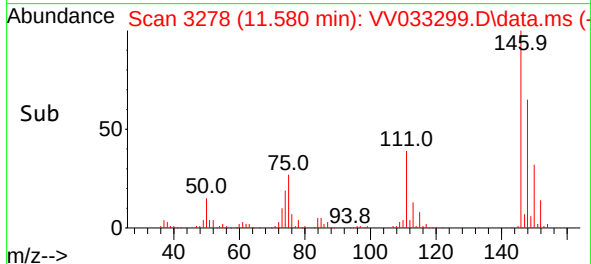
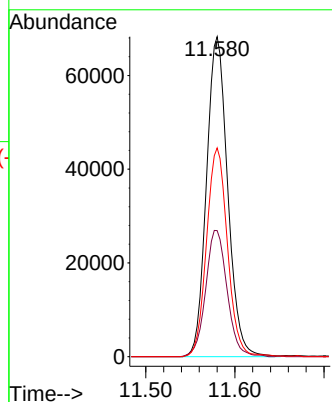
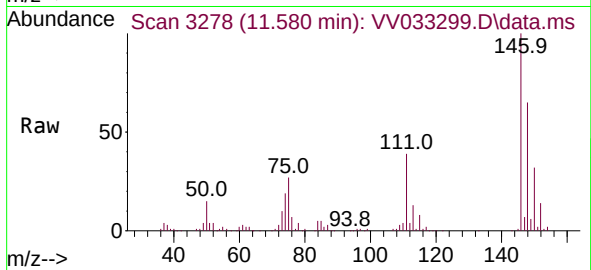
Tgt Ion:146 Resp: 112626

Ion Ratio Lower Upper

146 100

111 39.4 31.0 46.4

148 65.3 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.286 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

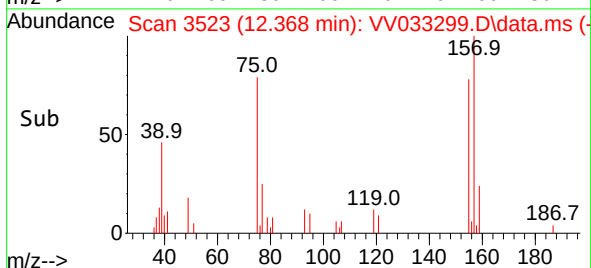
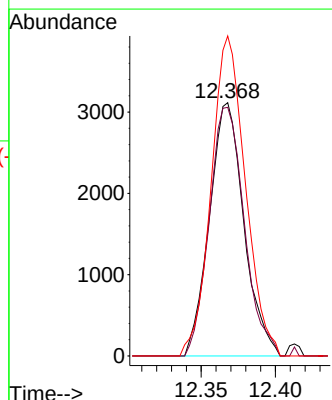
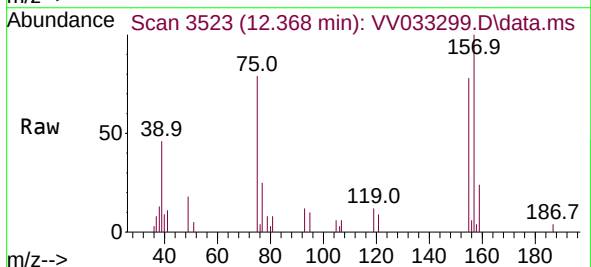
Tgt Ion: 75 Resp: 5033

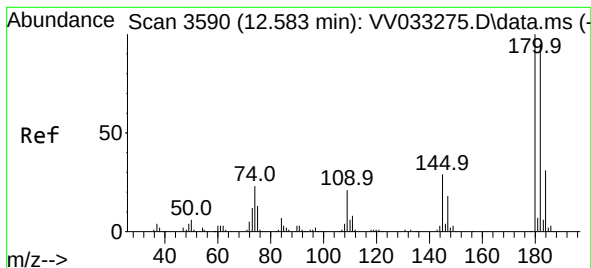
Ion Ratio Lower Upper

75 100

155 98.1 79.8 119.8

157 126.3 110.2 165.2





#69

1,3,5-Trichlorobenzene

Concen: 5.027 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

Tgt Ion:180 Resp: 103926

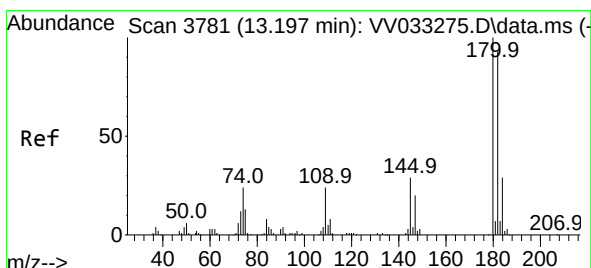
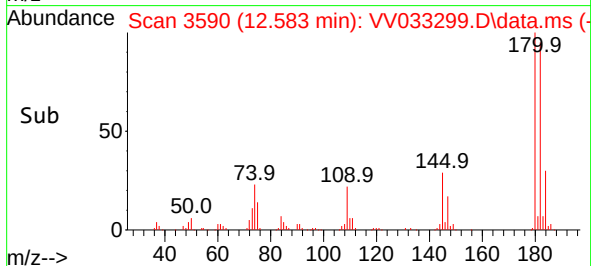
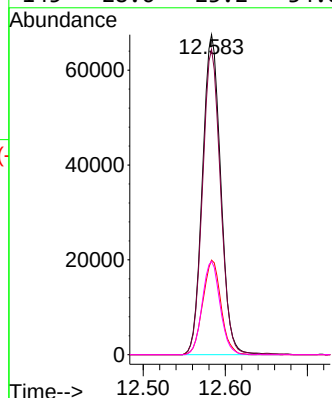
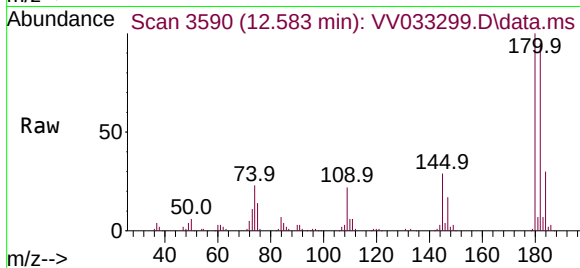
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

184 29.5 24.5 36.7

145 28.6 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.145 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

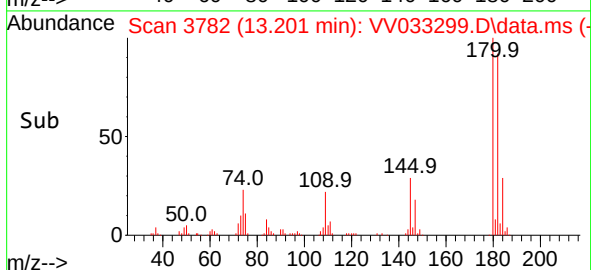
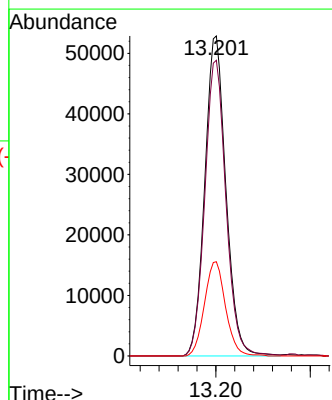
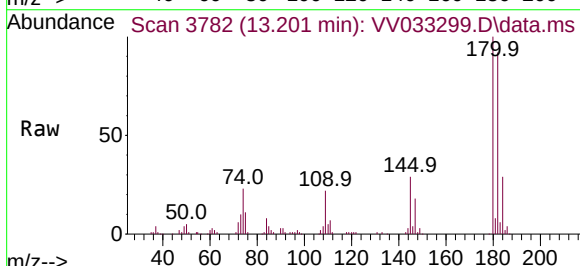
Tgt Ion:180 Resp: 81937

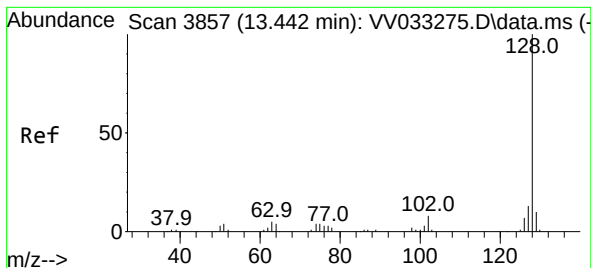
Ion Ratio Lower Upper

180 100

182 92.7 74.2 111.4

145 29.4 22.6 34.0





#71

Naphthalene

Concen: 5.148 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005316

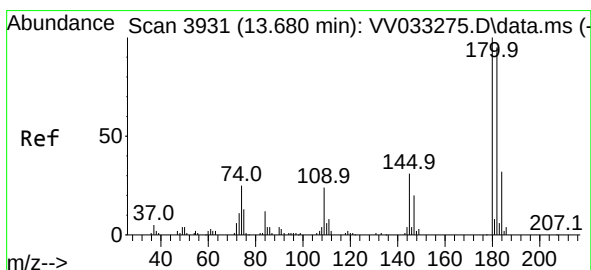
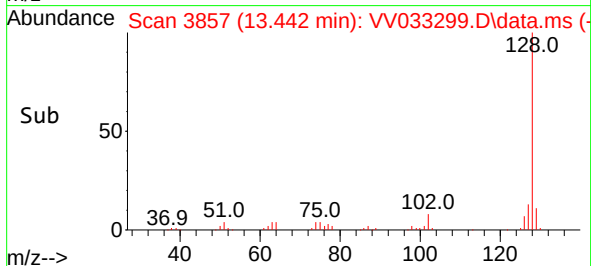
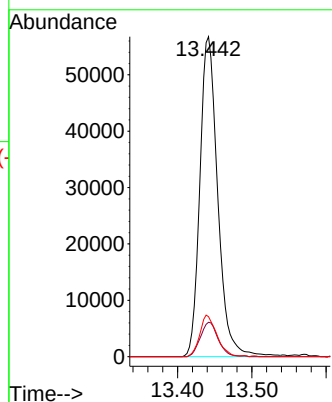
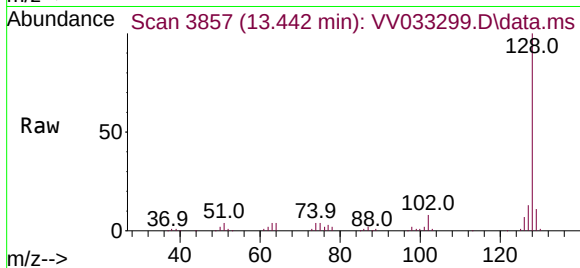
Tgt Ion:128 Resp: 94971

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.4 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 5.009 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033299.D

Acq: 14 Dec 2023 00:20

Tgt Ion:180 Resp: 64038

Ion Ratio Lower Upper

180 100

182 98.1 78.8 118.2

145 31.2 26.6 40.0

