

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121223\
 Data File : VV033267.D
 Acq On : 12 Dec 2023 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050359

Quant Time: Dec 13 00:44:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	280376	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	275574	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	173644	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	88561	52.838	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 105.680%	
7) Chloroethane-d5	1.532	69	61639	52.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.560%	
11) 1,1-Dichloroethene-d2	2.060	65	33847	53.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.160%	
21) 2-Butanone-d5	3.780	46	82787	99.446	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 99.450%	
24) Chloroform-d	4.246	84	189647	53.317	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.640%	
26) 1,2-Dichloroethane-d4	4.941	65	120795	54.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.240%	
32) Benzene-d6	4.960	84	354147	54.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.900%	
36) 1,2-Dichloropropane-d6	5.986	67	88836	51.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 102.520%	
41) Toluene-d8	7.243	98	357822	58.199	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 116.400%	
43) trans-1,3-Dichloroprop...	7.551	79	58118	53.037	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.080%	
47) 2-Hexanone-d5	8.021	63	72523	104.174	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 104.170%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	136848	55.552	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 111.100%	
66) 1,2-Dichlorobenzene-d4	11.561	152	167234	54.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 108.260%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	143596	46.855	ug/L	99
3) Chloromethane	1.214	50	91069	45.055	ug/L	99
5) Vinyl chloride	1.282	62	90410	46.638	ug/L	99
6) Bromomethane	1.484	94	59472	47.016	ug/L	99
8) Chloroethane	1.548	64	50798	49.219	ug/L	100
9) Trichlorofluoromethane	1.712	101	173555	54.257	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	81074	53.973	ug/L	98
12) 1,1-Dichloroethene	2.069	96	74692	53.137	ug/L	95
13) Acetone	2.108	43	65606	82.551	ug/L	98
14) Carbon disulfide	2.243	76	223740	44.365	ug/L	99
15) Methyl Acetate	2.368	43	64983	49.059	ug/L	96
16) Methylene chloride	2.449	84	92618	49.759	ug/L	92
17) trans-1,2-Dichloroethene	2.693	96	89977	48.753	ug/L	96
18) Methyl tert-butyl Ether	2.700	73	288541	51.465	ug/L	98
19) 1,1-Dichloroethane	3.111	63	147251	48.206	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	101913	52.042	ug/L	96
22) 2-Butanone	3.860	43	88621	87.624	ug/L	96
23) Bromochloromethane	4.146	128	56982	50.676	ug/L	94
25) Chloroform	4.275	83	182388	51.917	ug/L	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	146274	52.691	ug/L	99
29) Cyclohexane	4.584	56	119567	46.975	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	183537	53.891	ug/L	98
31) Carbon tetrachloride	4.735	117	174936	55.242	ug/L	97
33) Benzene	5.008	78	360666	51.647	ug/L	100
34) Trichloroethene	5.831	95	102925	49.334	ug/L	96
35) Methylcyclohexane	6.050	83	152069	50.223	ug/L	98
37) 1,2-Dichloropropane	6.092	63	79927	49.455	ug/L	97
38) Bromodichloromethane	6.433	83	138990	53.345	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	143150	48.813	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	178097	103.788	ug/L	98
42) Toluene	7.314	91	420911	53.489	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	152004	51.259	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	100572	53.670	ug/L	96
46) Tetrachloroethene	7.905	164	97507	54.369	ug/L	94
48) 2-Hexanone	8.072	43	133764	94.021	ug/L	94
49) Dibromochloromethane	8.175	129	121747	54.425	ug/L	99
50) 1,2-Dibromoethane	8.281	107	107073	53.595	ug/L	98
51) Chlorobenzene	8.812	112	292802	52.912	ug/L	99
52) Ethylbenzene	8.947	91	480662	53.066	ug/L	100
53) m,p-Xylene	9.072	106	194788	54.304	ug/L	93
54) o-Xylene	9.477	106	189224	53.460	ug/L	98
55) Styrene	9.493	104	335989	54.872	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	139629	54.538	ug/L	98
59) Bromoform	9.664	173	99644	52.873	ug/L	99
60) Isopropylbenzene	9.866	105	525339	52.470	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	109006	50.344	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	420674	52.149	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	440563	52.442	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	270028	50.482	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	281132	50.596	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	272062	51.882	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32440	48.828	ug/L	87
69) 1,3,5-Trichlorobenzene	12.583	180	212917	49.694	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	196119	49.544	ug/L	99
71) Naphthalene	13.439	128	473827	49.083	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	197325	51.661	ug/L	99

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

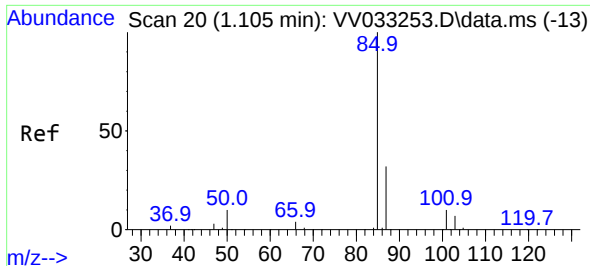
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Abundance

TIC: VV033267.D\data.ms

Time-->

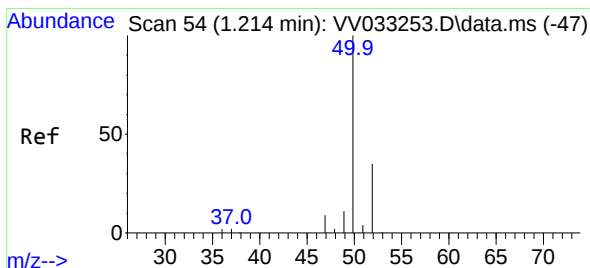
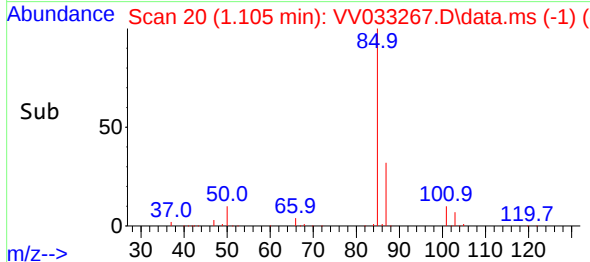
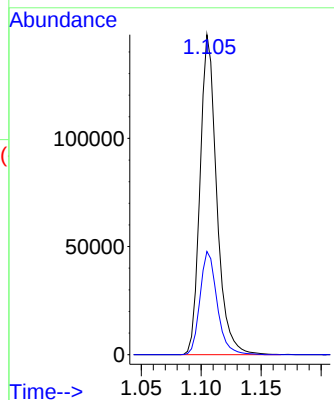
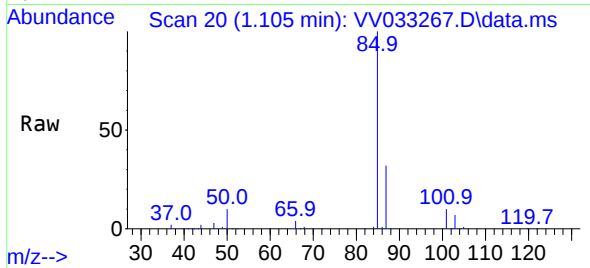
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Dichloromethane, T
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Acetone, T
Methyl acetate, T
Carbon disulfide, T
Methylene chloride, T
1,1-Dichloroethane, T
2-Butanol, d5, S
cis-1,2-Dichloroethene, T
Bromochloroethane, T
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, T
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichloropropane, d5, S
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, T
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
Tetrachloroethene, T
2-Hexanone, d5, S
1,2-Dibromochloroethane, T
Chlorobenzene, T
Ethylbenzene, T
m,p-Xylene, T
Bromobenzene, T
Isopropylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T
1,2-Dichlorobenzene, T
1,2-Dichlorobenzene-d4, S
1,3,5-Trichlorobenzene
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T



#2
 Dichlorodifluoromethane
 Concen: 46.855 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033267.D
 Acq: 12 Dec 2023 16:56

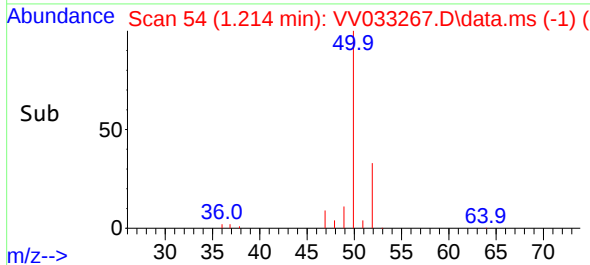
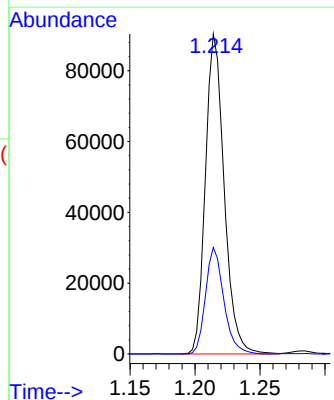
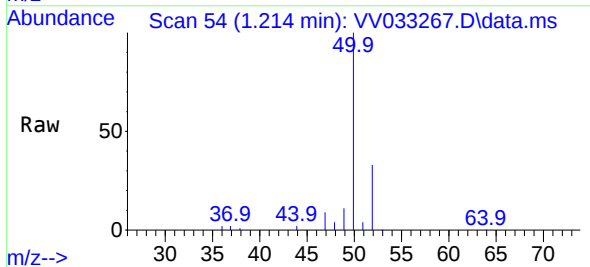
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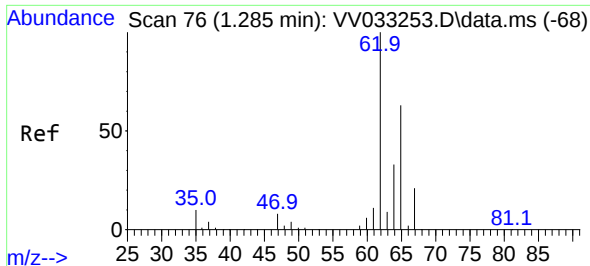
Tgt Ion: 85 Resp: 143596
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.0 39.0



#3
 Chloromethane
 Concen: 45.055 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033267.D
 Acq: 12 Dec 2023 16:56

Tgt Ion: 50 Resp: 91069
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4

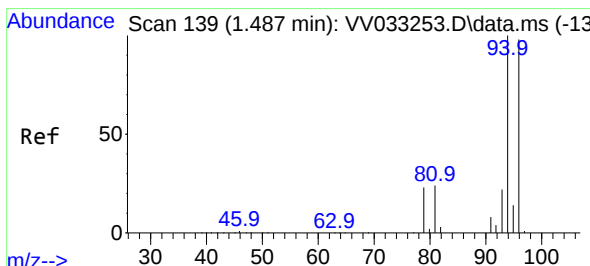
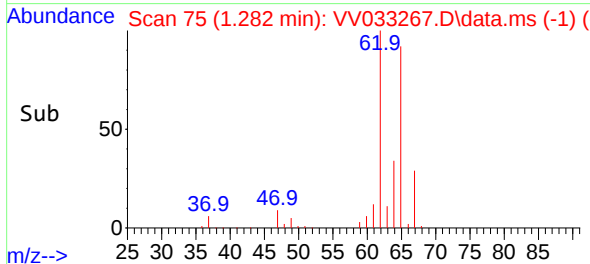
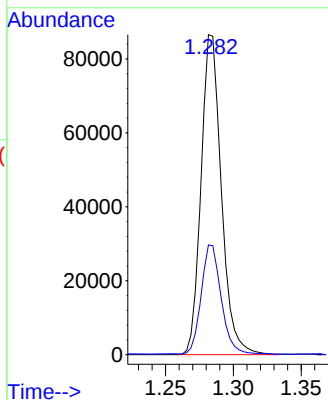
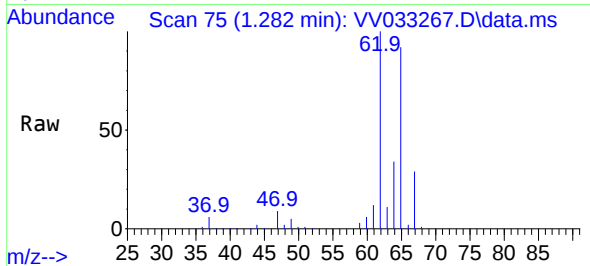




#5
Vinyl chloride
Concen: 46.638 ug/L
RT: 1.282 min Scan# 76
Delta R.T. -0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

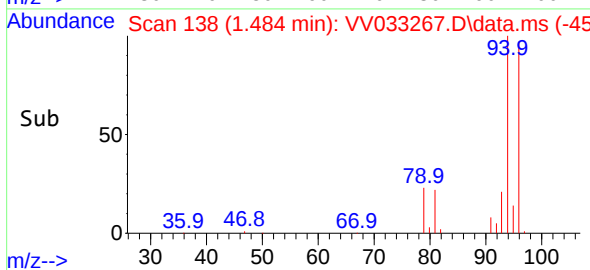
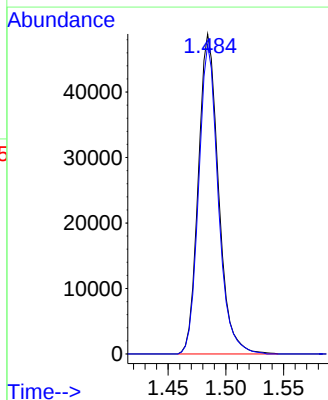
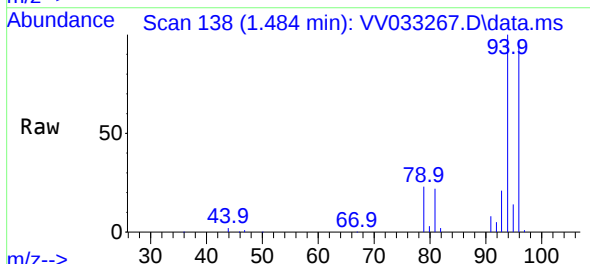
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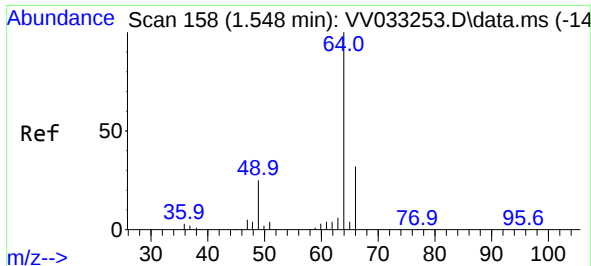
Tgt Ion: 62 Resp: 90410
Ion Ratio Lower Upper
62 100
64 34.3 24.2 45.0



#6
Bromomethane
Concen: 47.016 ug/L
RT: 1.484 min Scan# 138
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 94 Resp: 59472
Ion Ratio Lower Upper
94 100
96 96.7 67.1 124.7

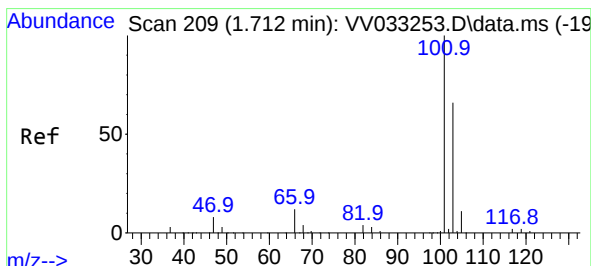
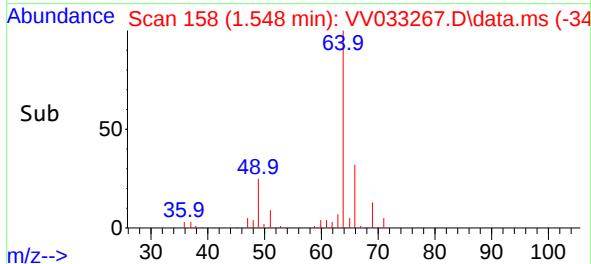
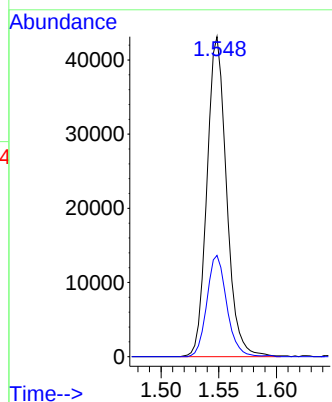
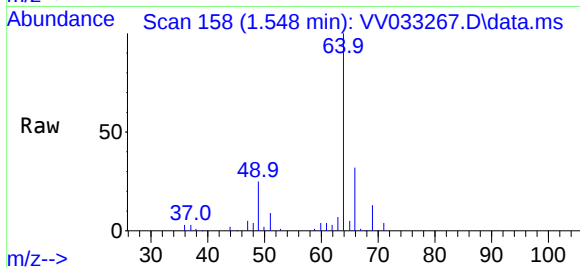




#8
Chloroethane
Concen: 49.219 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

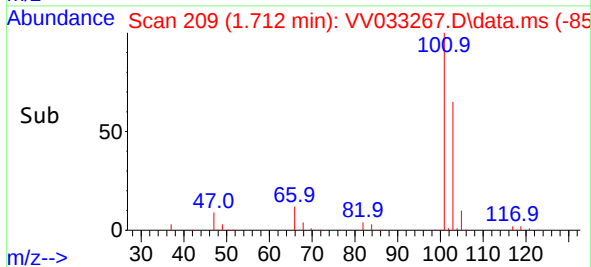
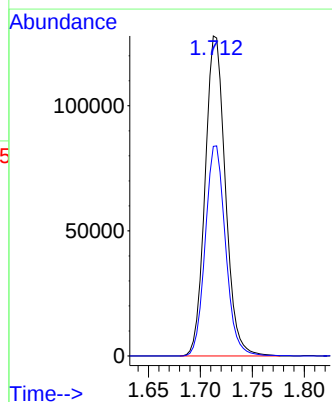
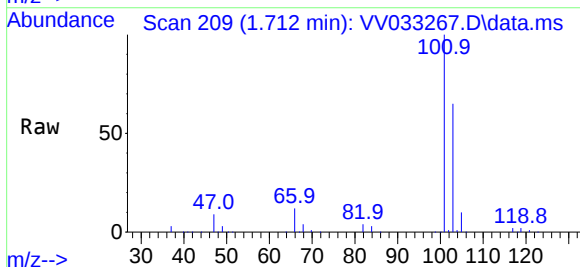
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MSVOA_V
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VSTD050359

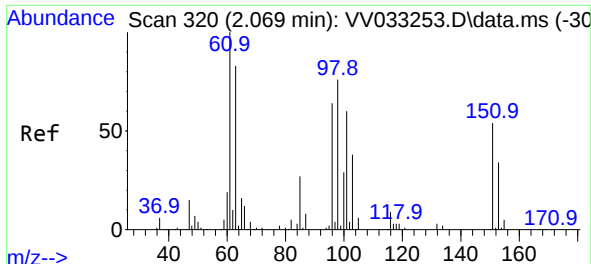
Tgt Ion: 64 Resp: 50798
Ion Ratio Lower Upper
64 100
66 31.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 54.257 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:101 Resp: 173555
Ion Ratio Lower Upper
101 100
103 65.7 51.3 76.9

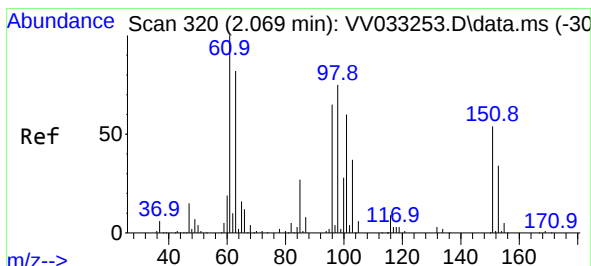
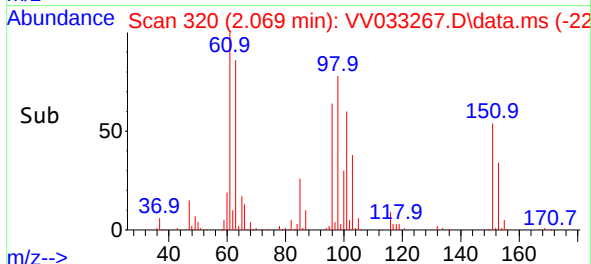
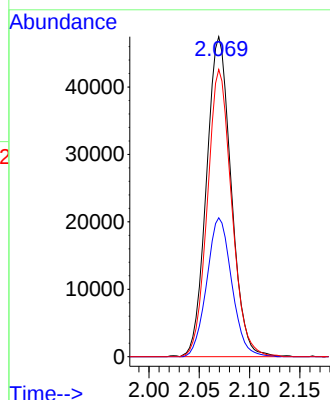
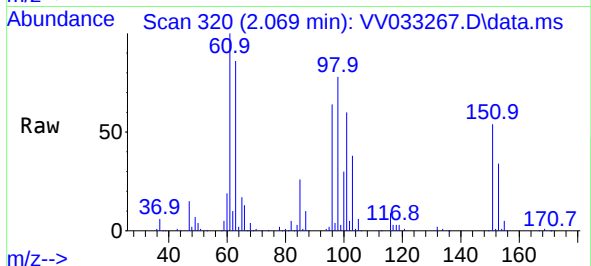




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 53.973 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033267.D
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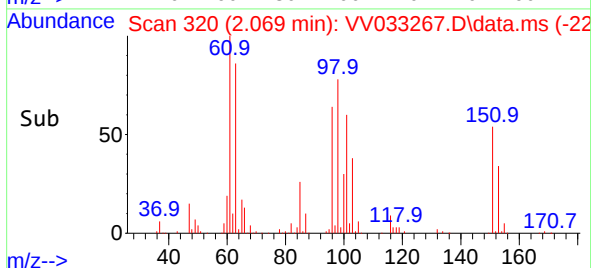
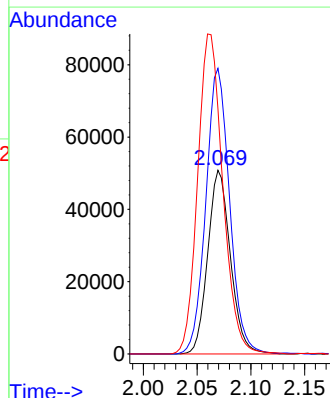
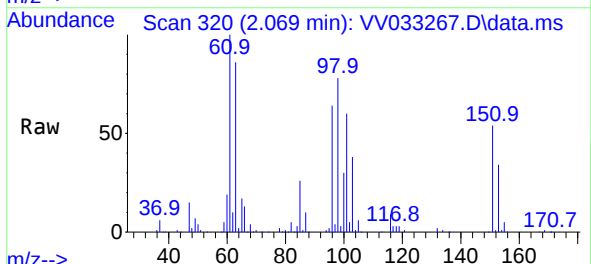
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ClientSampleId :
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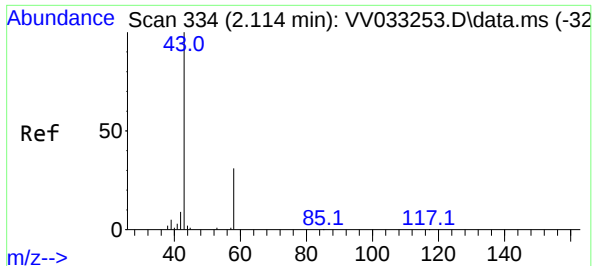
Tgt Ion:101 Resp: 81074
Ion Ratio Lower Upper
101 100
85 43.9 36.0 54.0
151 88.4 69.1 103.7



#12
1,1-Dichloroethene
Concen: 53.137 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 96 Resp: 74692
Ion Ratio Lower Upper
96 100
61 155.5 109.1 202.7
63 133.3 85.3 158.3





#13

Acetone

Concen: 82.551 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

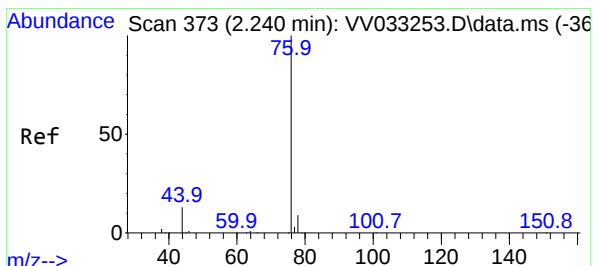
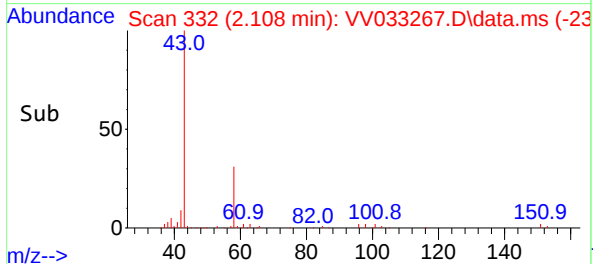
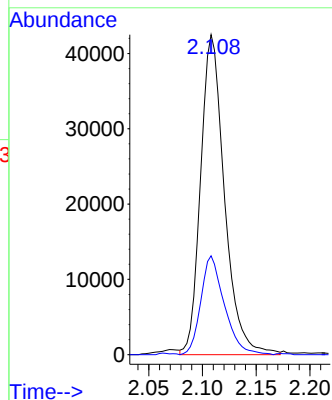
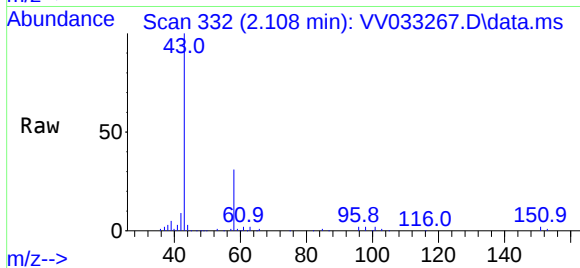
VSTD050359

Tgt Ion: 43 Resp: 65606

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.8



#14

Carbon disulfide

Concen: 44.365 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033267.D

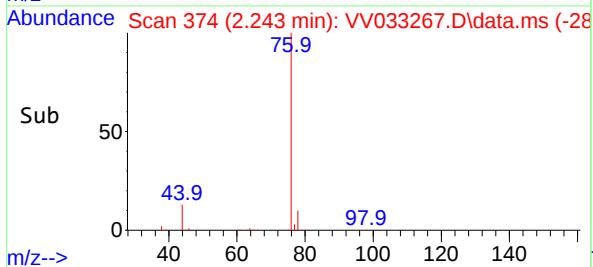
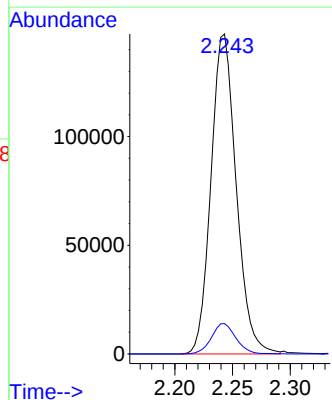
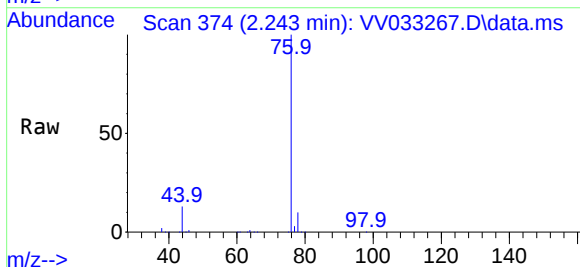
Acq: 12 Dec 2023 16:56

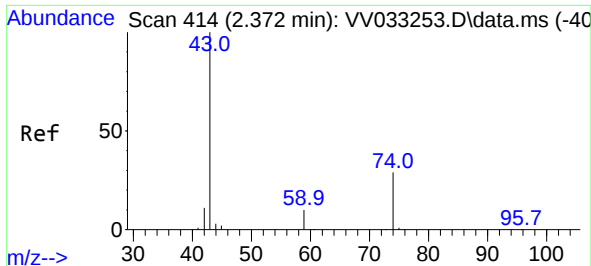
Tgt Ion: 76 Resp: 223740

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





#15

Methyl Acetate

Concen: 49.059 ug/L

RT: 2.368 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

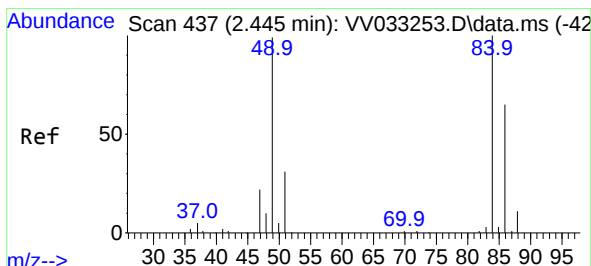
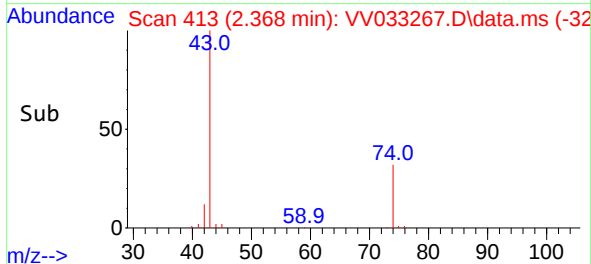
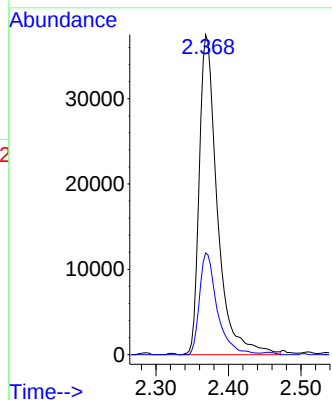
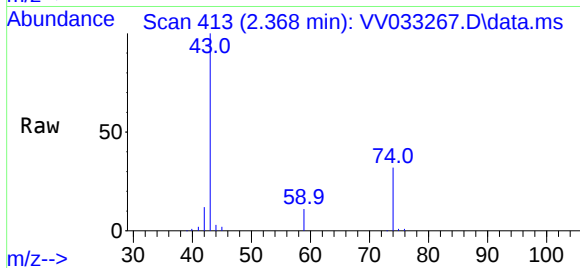
VSTD050359

Tgt Ion: 43 Resp: 64983

Ion Ratio Lower Upper

43 100

74 30.5 22.6 33.8



#16

Methylene chloride

Concen: 49.759 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

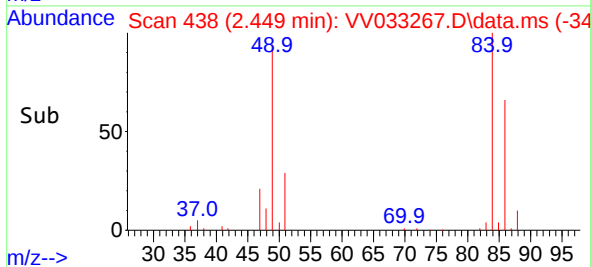
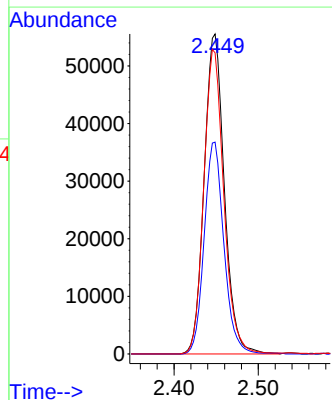
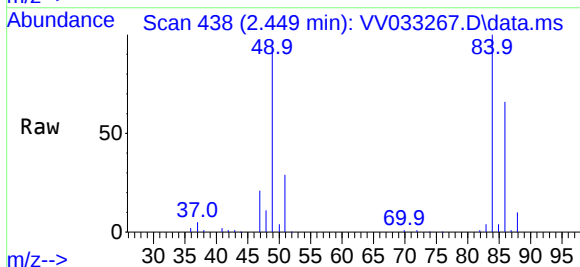
Tgt Ion: 84 Resp: 92618

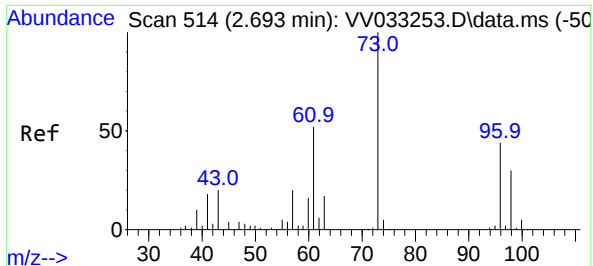
Ion Ratio Lower Upper

84 100

86 66.2 45.9 85.3

49 94.1 75.5 140.1

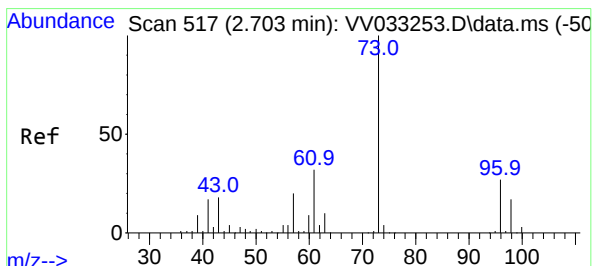
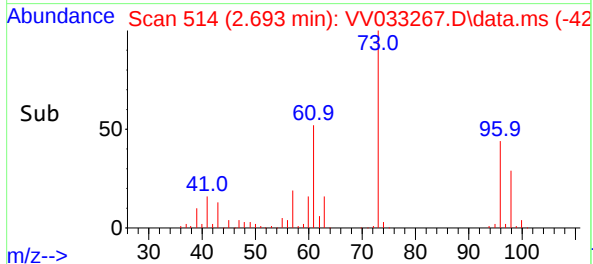
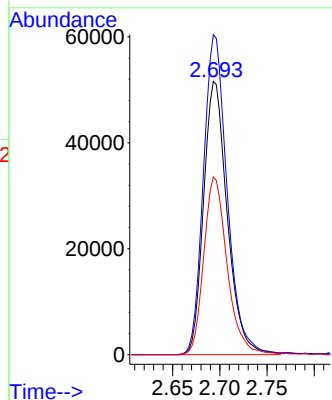
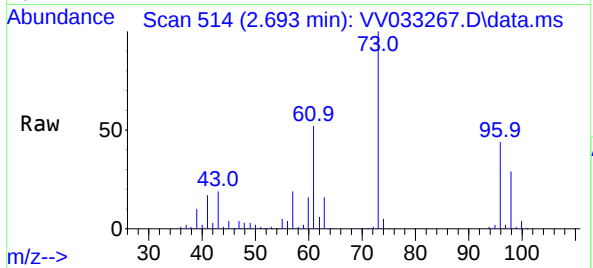




#17
trans-1,2-Dichloroethene
Concen: 48.753 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

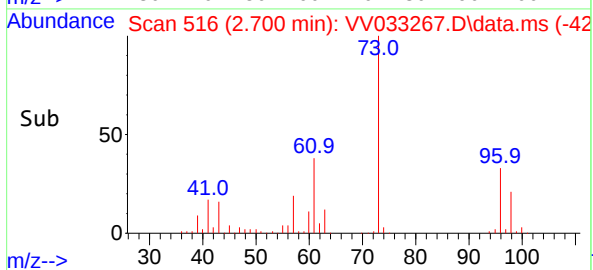
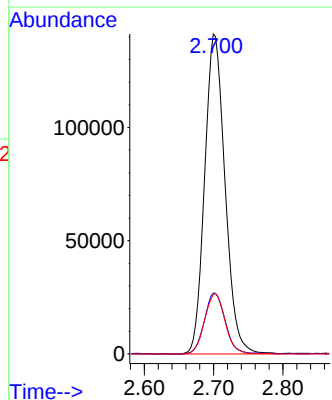
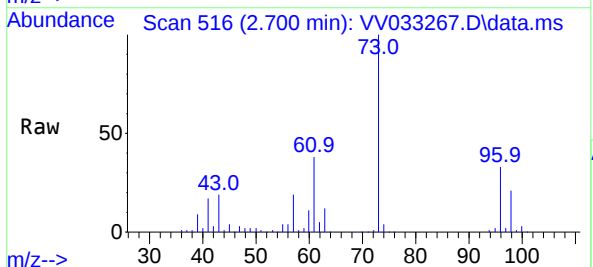
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

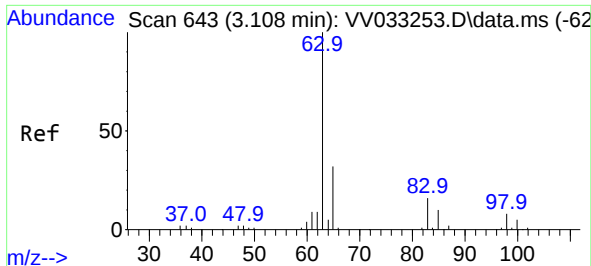
Tgt Ion: 96 Resp: 89977
Ion Ratio Lower Upper
96 100
61 117.1 86.5 160.6
98 65.1 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 51.465 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 73 Resp: 288541
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 18.9 16.1 24.1





#19

1,1-Dichloroethane

Concen: 48.206 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

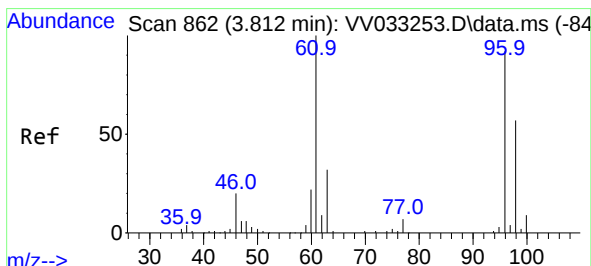
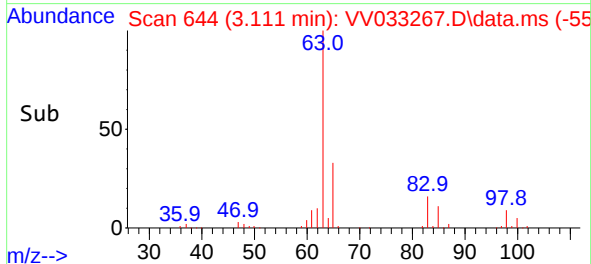
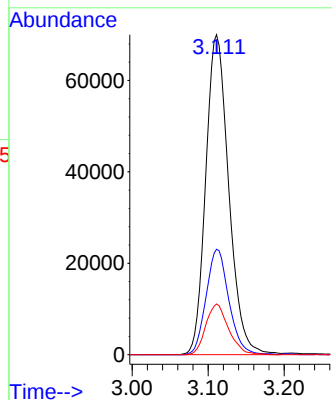
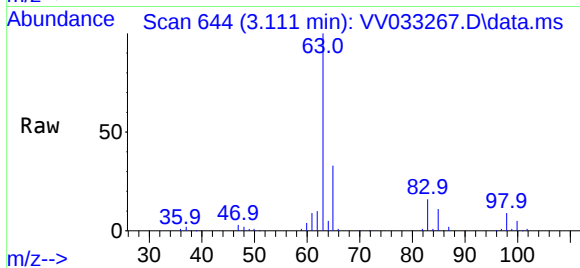
Tgt Ion: 63 Resp: 147251

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.6

83 15.8 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 52.042 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

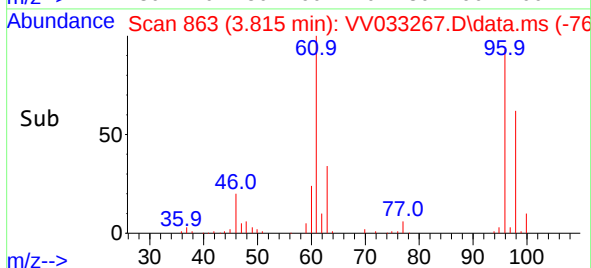
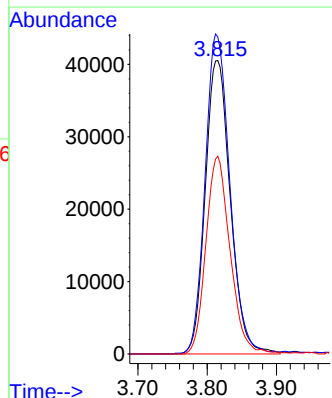
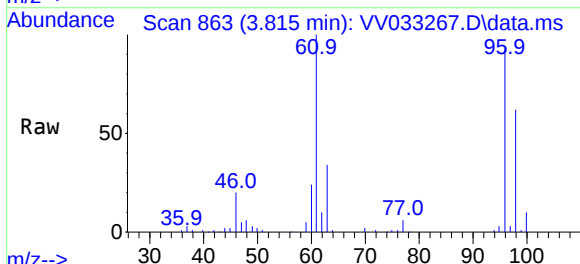
Tgt Ion: 96 Resp: 101913

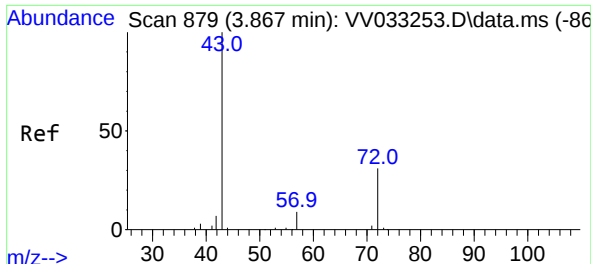
Ion Ratio Lower Upper

96 100

61 108.1 79.1 146.9

98 67.4 45.1 83.7

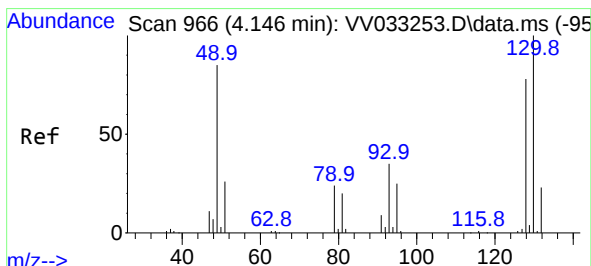
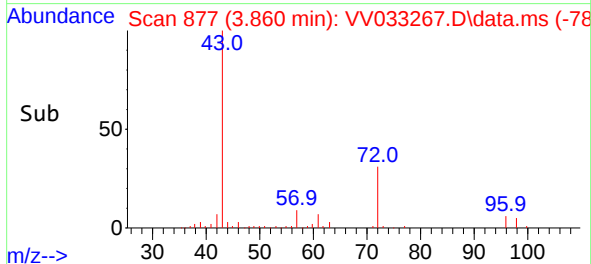
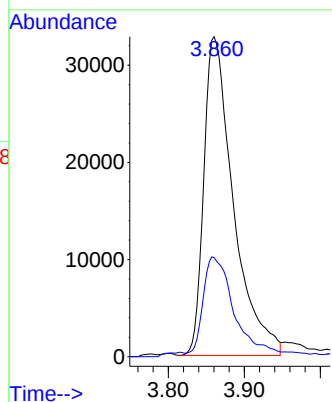
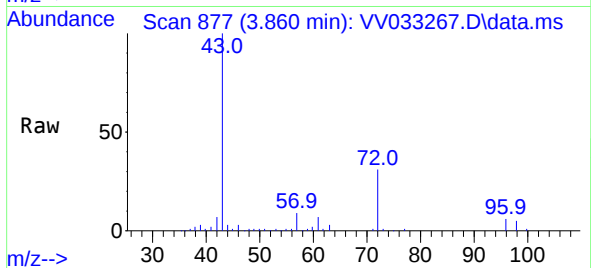




#22
2-Butanone
Concen: 87.624 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

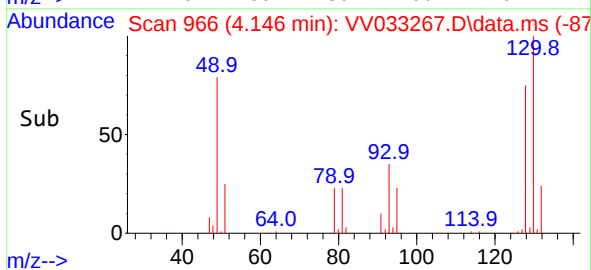
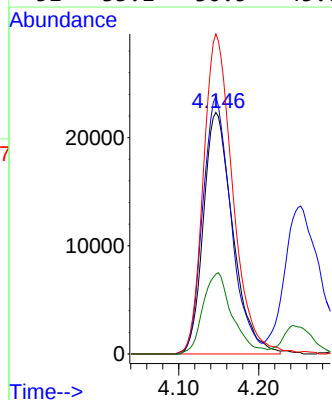
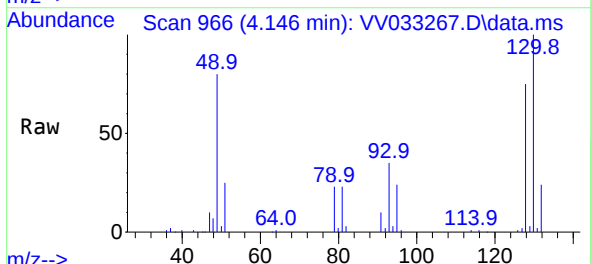
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

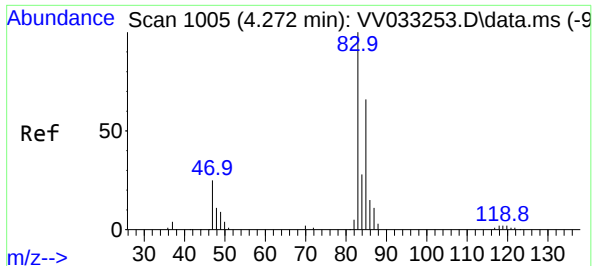
Tgt Ion: 43 Resp: 88621
Ion Ratio Lower Upper
43 100
72 31.2 14.6 43.8



#23
Bromochloromethane
Concen: 50.676 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 128 Resp: 56982
Ion Ratio Lower Upper
128 100
49 106.5 81.7 151.7
130 132.5 90.1 167.3
51 33.1 30.5 45.7





#25

Chloroform

Concen: 51.917 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

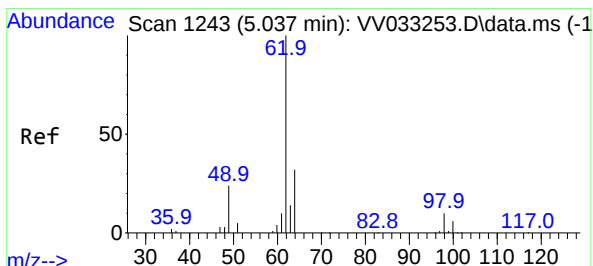
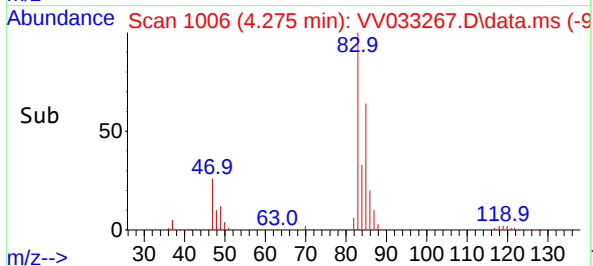
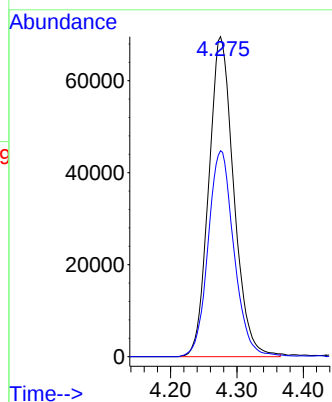
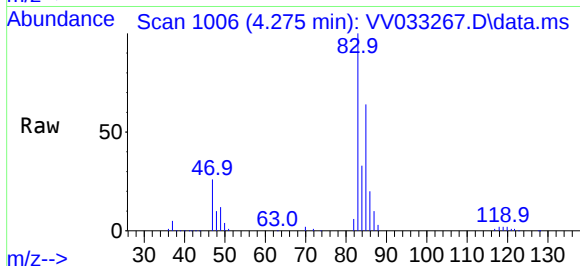
VSTD050359

Tgt Ion: 83 Resp: 182388

Ion Ratio Lower Upper

83 100

85 64.4 43.5 80.7



#27

1,2-Dichloroethane

Concen: 52.691 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033267.D

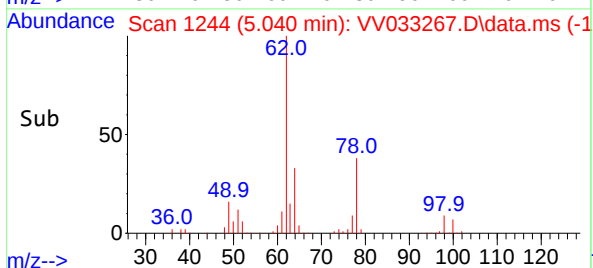
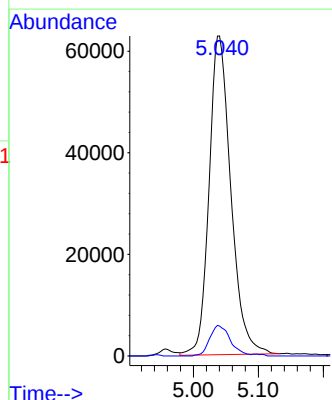
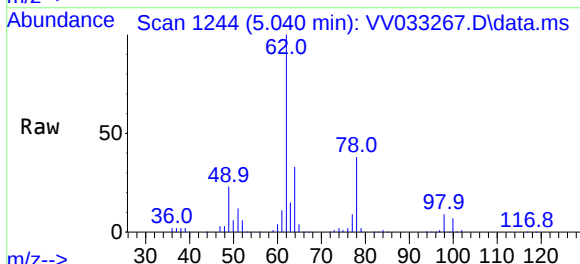
Acq: 12 Dec 2023 16:56

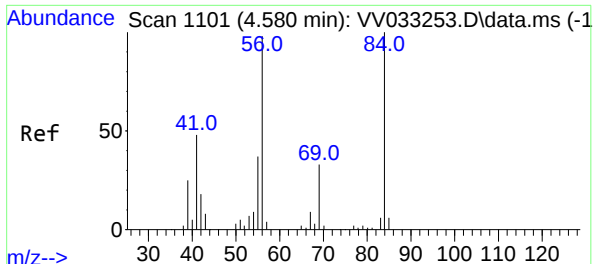
Tgt Ion: 62 Resp: 146274

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.8





#29

Cyclohexane

Concen: 46.975 ug/L

RT: 4.584 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

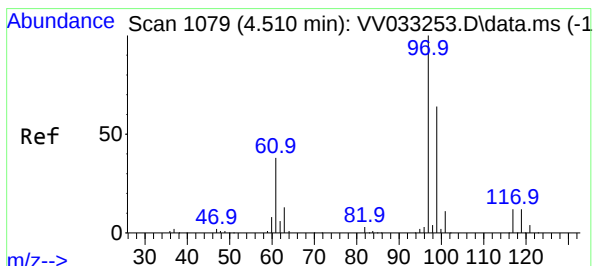
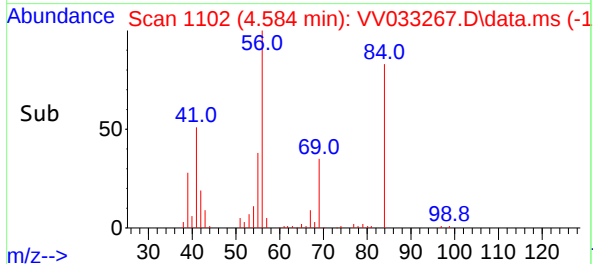
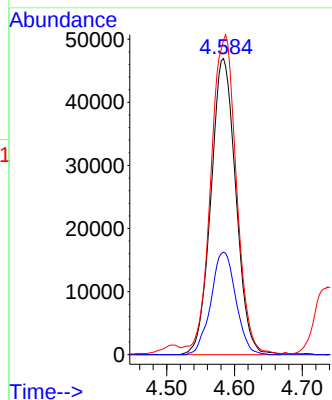
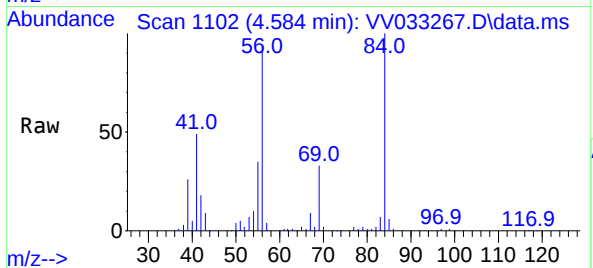
Tgt Ion: 56 Resp: 119567

Ion Ratio Lower Upper

56 100

69 34.8 26.9 40.3

84 109.5 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 53.891 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

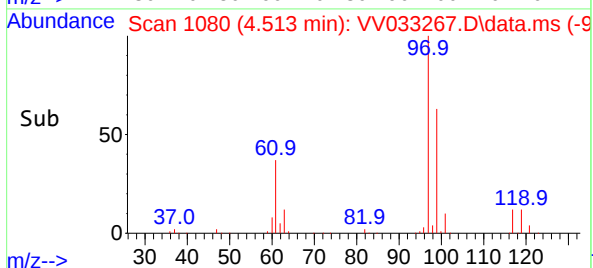
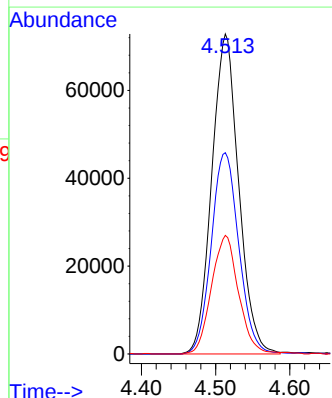
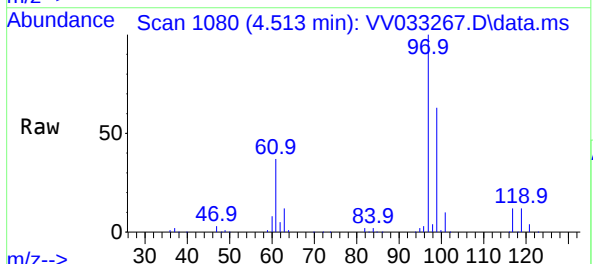
Tgt Ion: 97 Resp: 183537

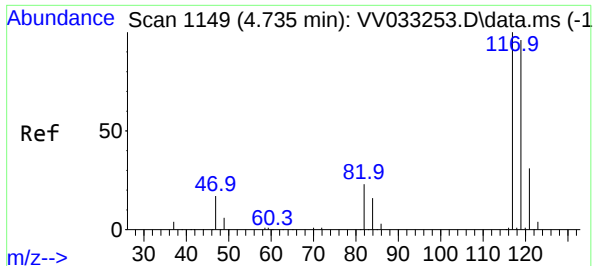
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 37.1 31.8 47.8

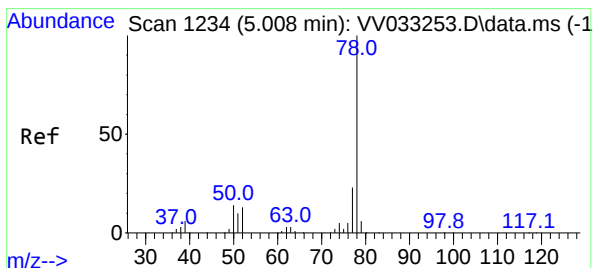
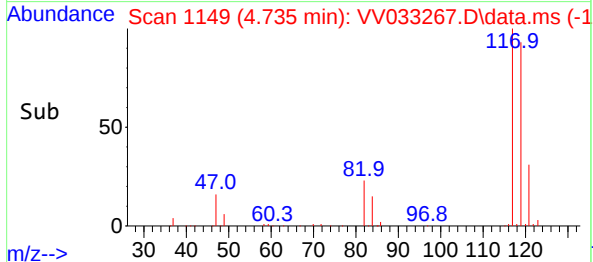
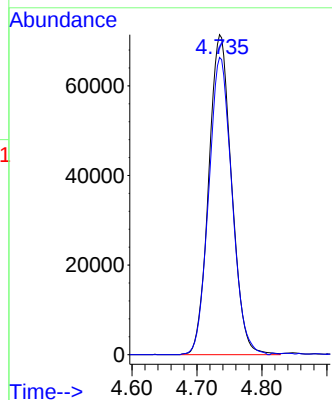
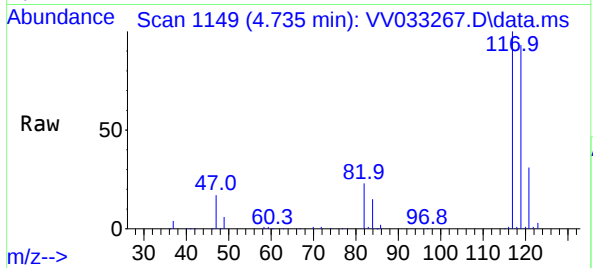




#31
Carbon tetrachloride
Concen: 55.242 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

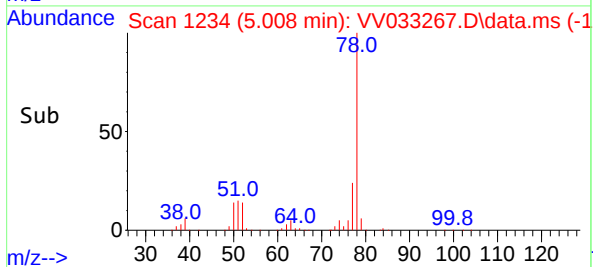
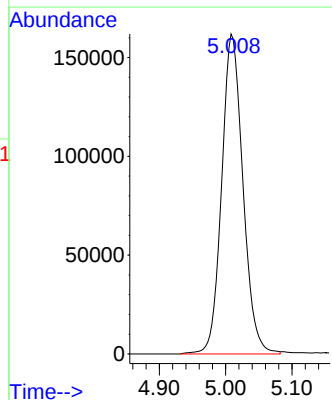
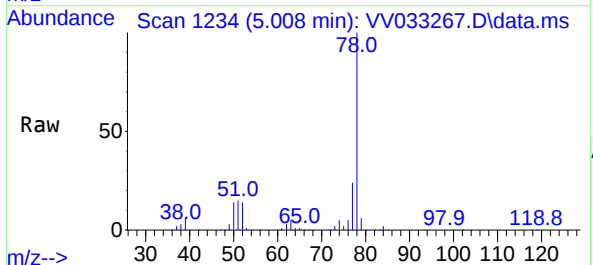
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

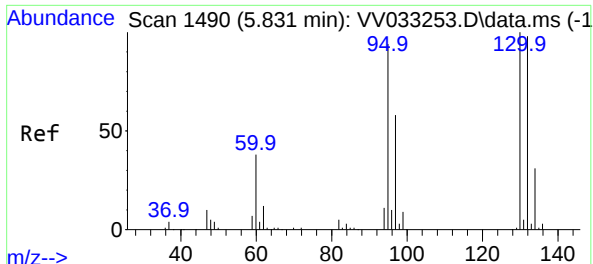
Tgt Ion:117 Resp: 174936
Ion Ratio Lower Upper
117 100
119 94.4 77.5 116.3



#33
Benzene
Concen: 51.647 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 78 Resp: 360666

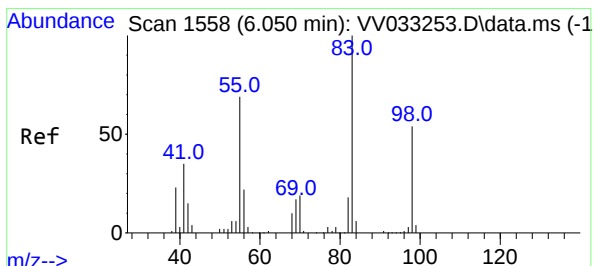
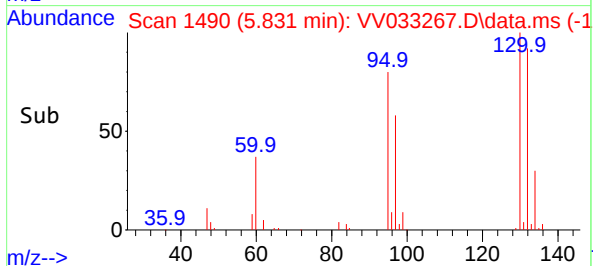
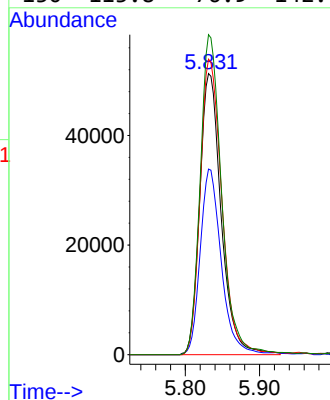
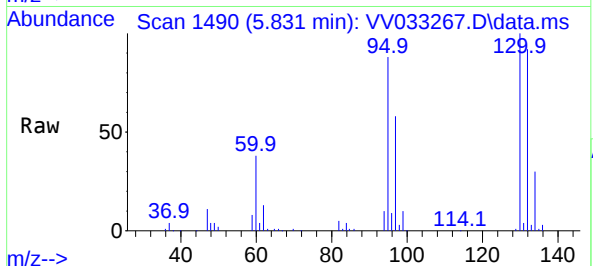




#34
Trichloroethene
Concen: 49.334 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

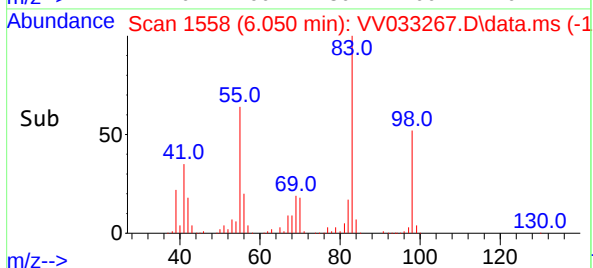
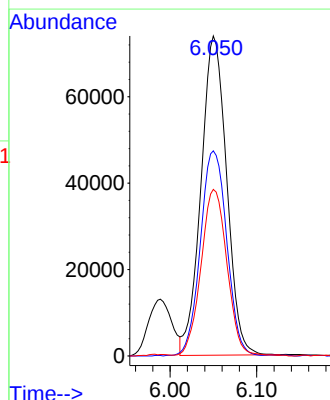
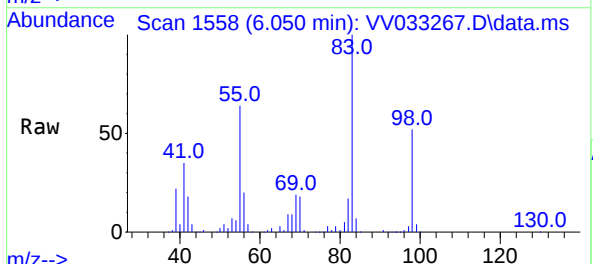
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

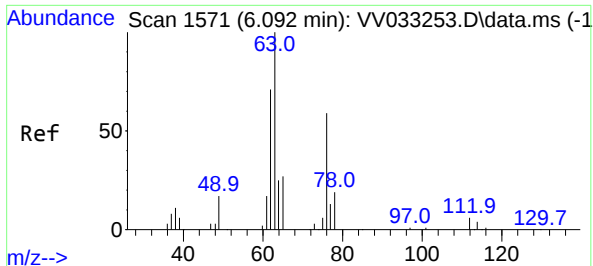
Tgt Ion: 95 Resp: 102925
Ion Ratio Lower Upper
95 100
97 66.0 45.8 85.0
132 105.1 77.4 143.8
130 113.8 76.9 142.7



#35
Methylcyclohexane
Concen: 50.223 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 83 Resp: 152069
Ion Ratio Lower Upper
83 100
55 66.3 54.8 82.2
98 52.9 41.4 62.0

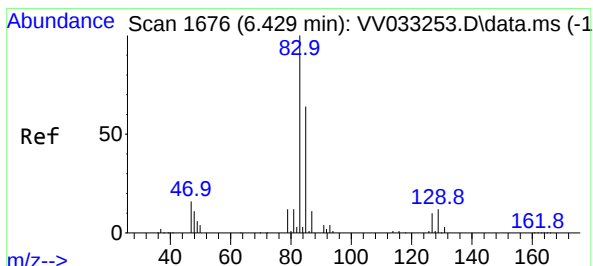
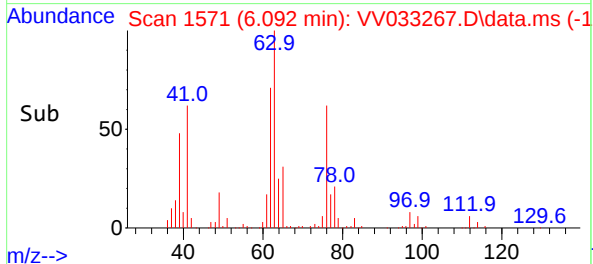
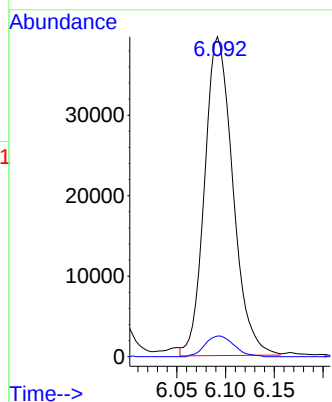
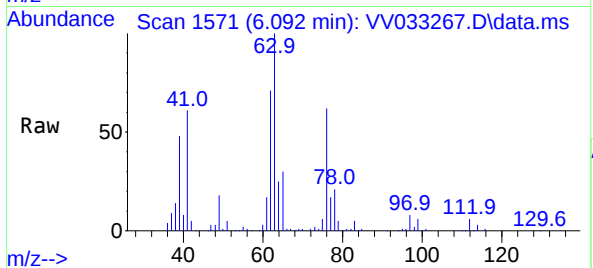




#37
1,2-Dichloropropane
Concen: 49.455 ug/L
RT: 6.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

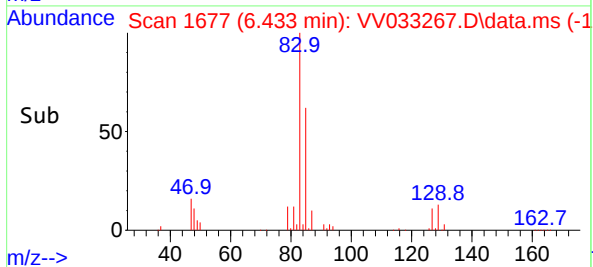
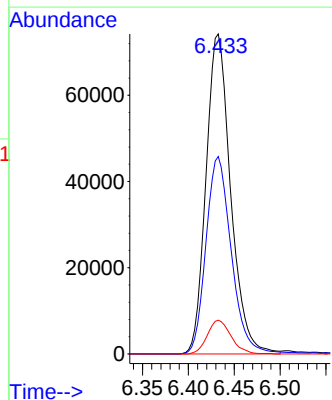
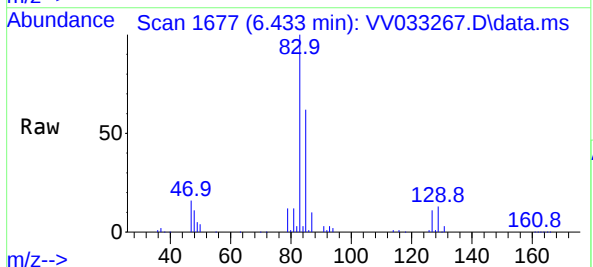
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

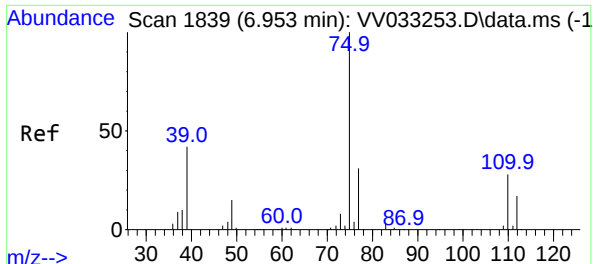
Tgt Ion: 63 Resp: 79927
Ion Ratio Lower Upper
63 100
112 6.7 4.6 6.8



#38
Bromodichloromethane
Concen: 53.345 ug/L
RT: 6.433 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 83 Resp: 138990
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.6
127 10.5 7.4 11.2

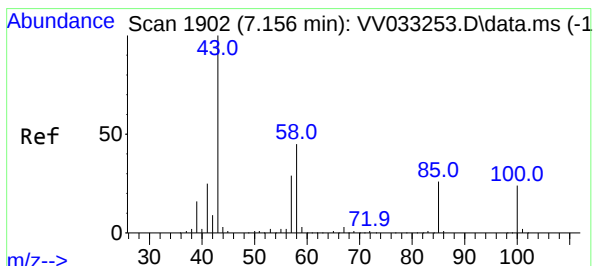
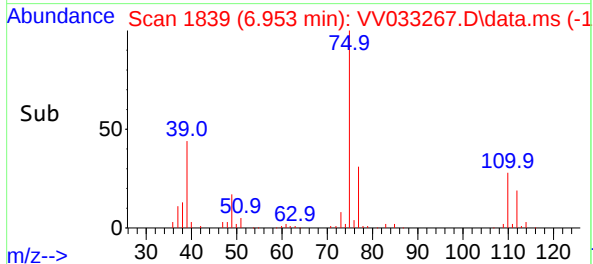
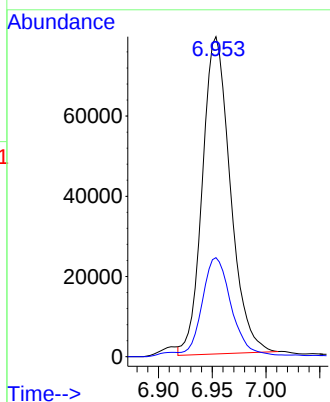
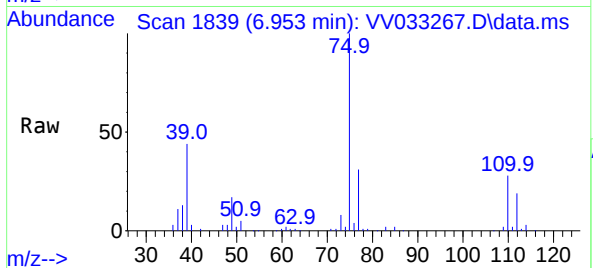




#39
cis-1,3-Dichloropropene
Concen: 48.813 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

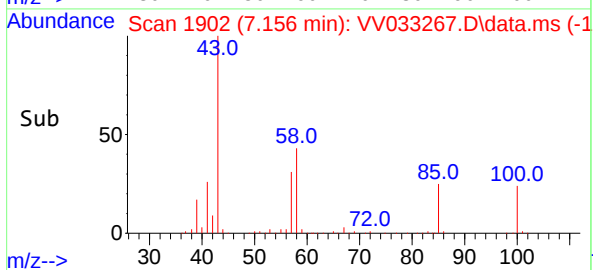
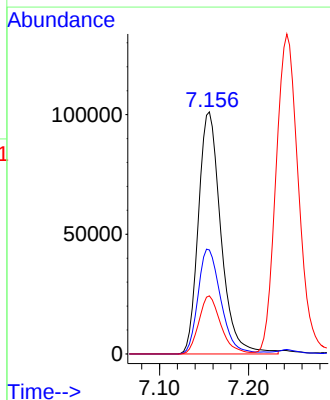
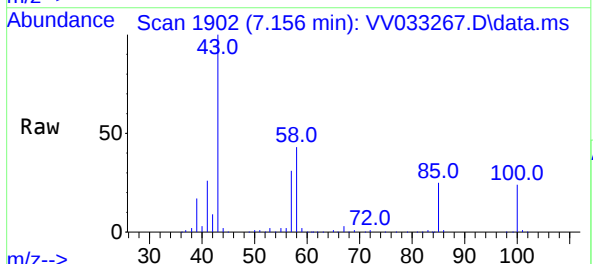
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

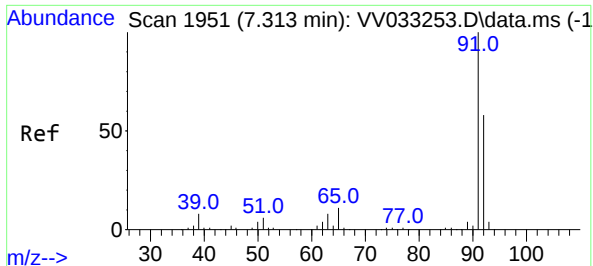
Tgt Ion: 75 Resp: 143150
Ion Ratio Lower Upper
75 100
77 30.9 22.4 41.6



#40
4-Methyl-2-pentanone
Concen: 103.788 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 43 Resp: 178097
Ion Ratio Lower Upper
43 100
58 43.6 34.5 51.7
100 23.3 17.0 25.6





#42

Toluene

Concen: 53.489 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

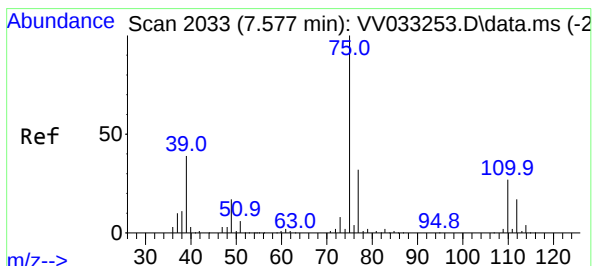
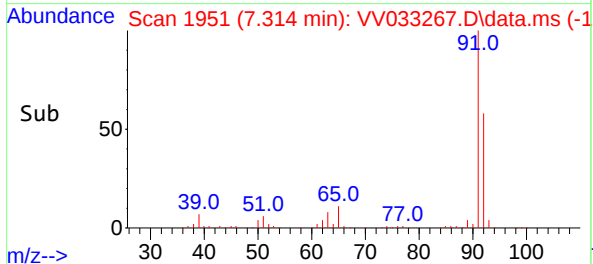
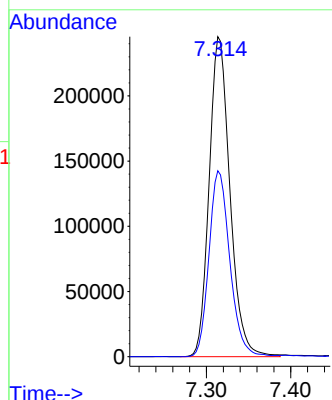
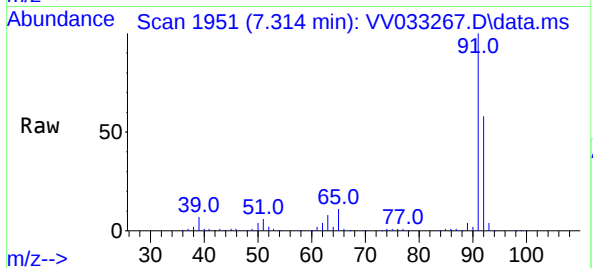
VSTD050359

Tgt Ion: 91 Resp: 420911

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 51.259 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033267.D

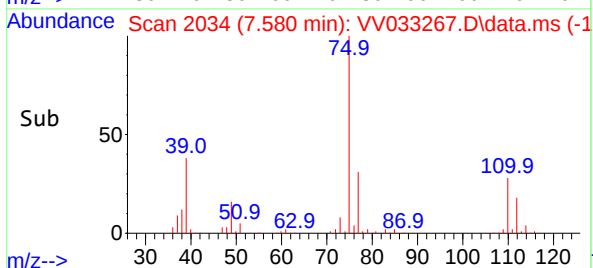
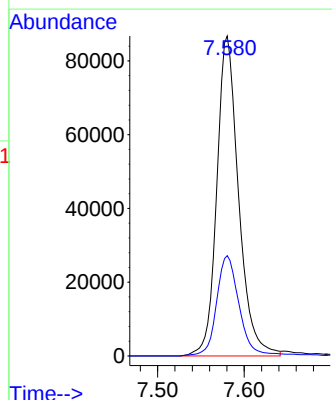
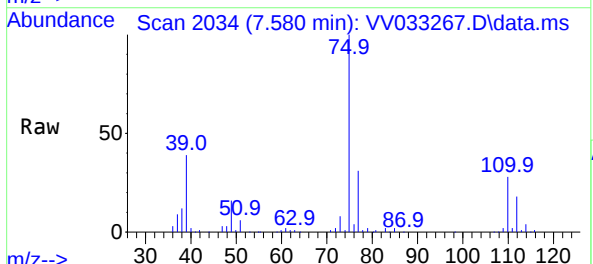
Acq: 12 Dec 2023 16:56

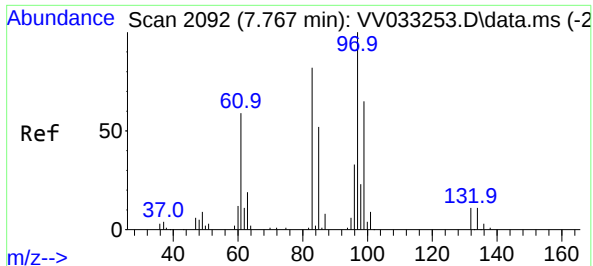
Tgt Ion: 75 Resp: 152004

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



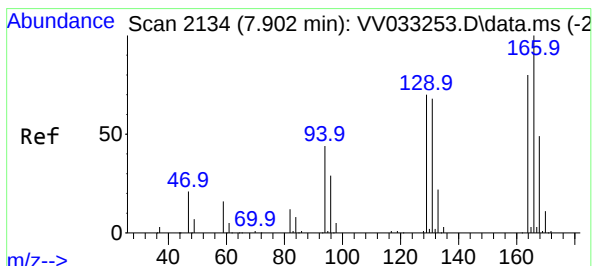
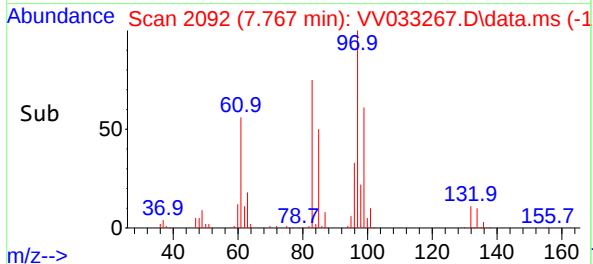
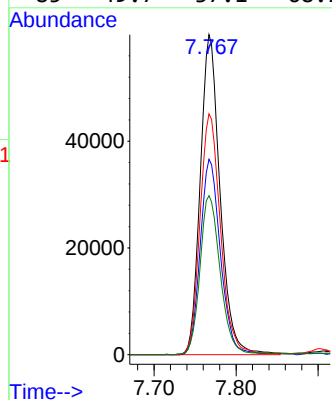
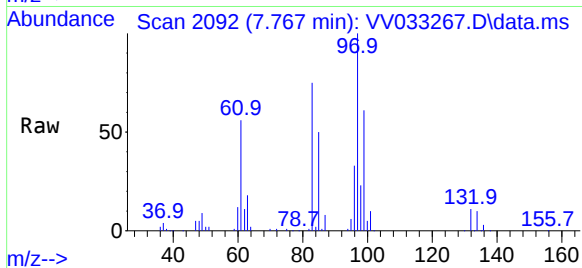


#45
1,1,2-Trichloroethane
Concen: 53.670 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion: 97 Resp: 100572

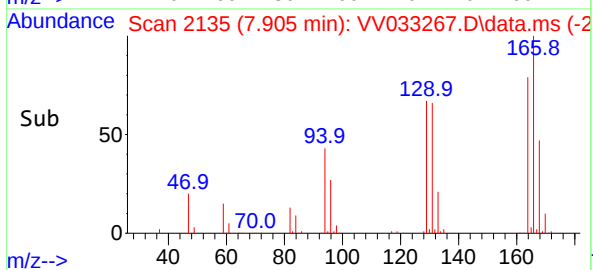
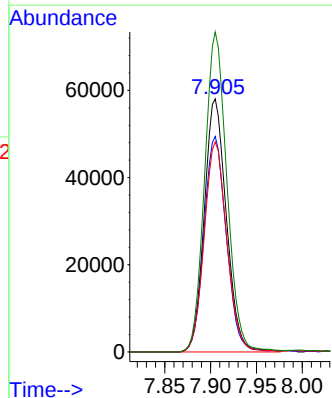
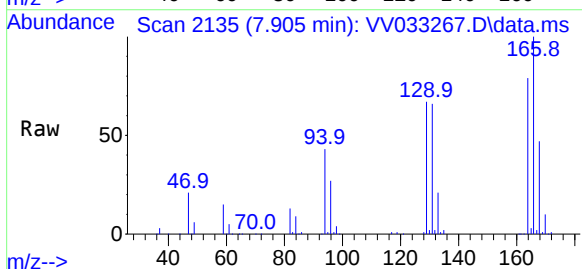
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.2	80.2
83	75.2	55.8	103.6
85	49.7	37.1	68.9

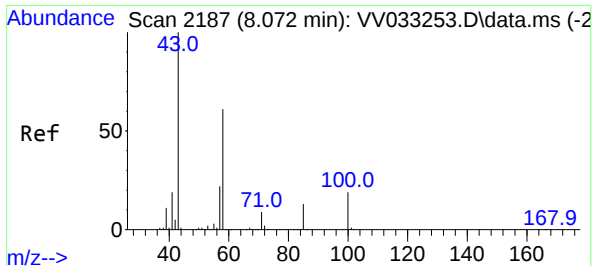


#46
Tetrachloroethene
Concen: 54.369 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 164 Resp: 97507

Ion	Ratio	Lower	Upper
164	100		
129	85.1	65.6	121.8
131	83.0	64.7	120.1
166	126.4	89.4	166.0



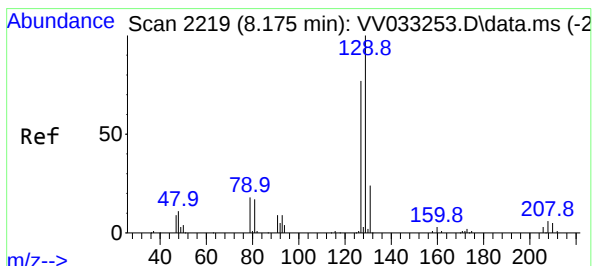
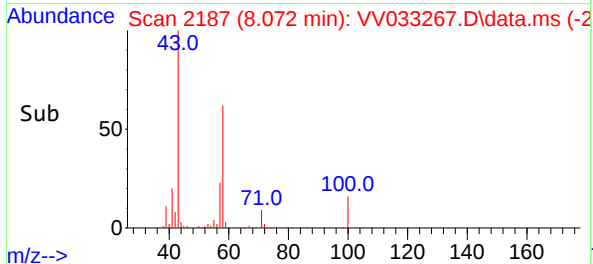
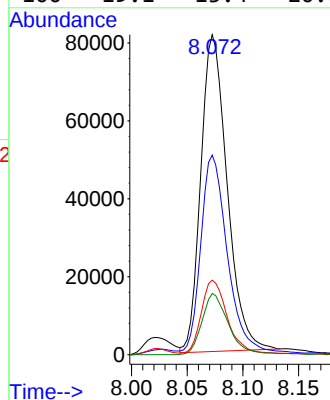
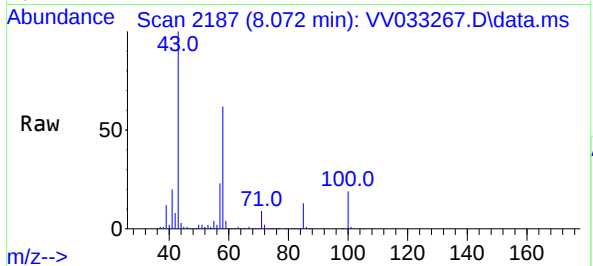


#48
2-Hexanone
Concen: 94.021 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion: 43 Resp: 133764

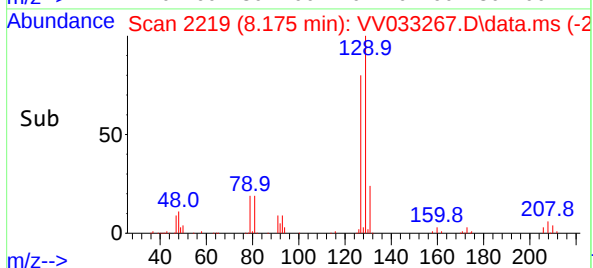
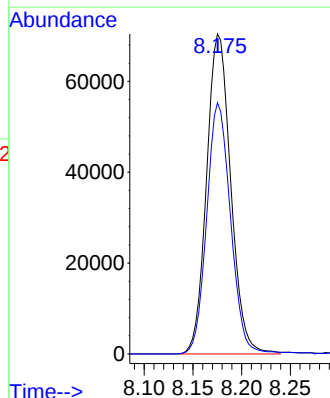
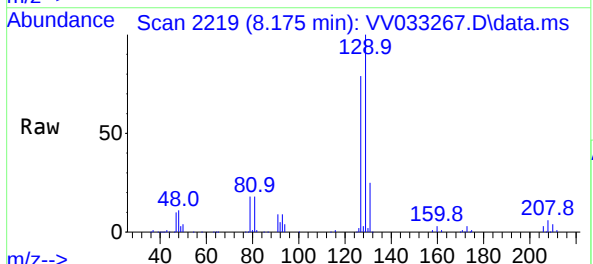
Ion	Ratio	Lower	Upper
43	100		
58	64.6	47.9	71.9
57	24.0	17.4	26.0
100	19.1	13.4	20.0

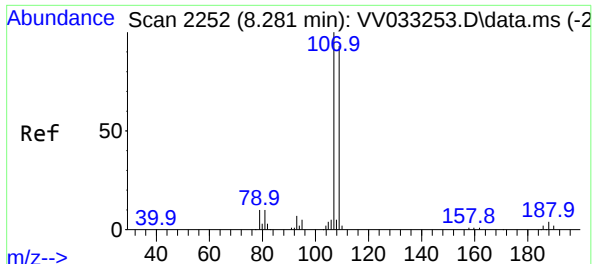


#49
Dibromochloromethane
Concen: 54.425 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 129 Resp: 121747

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.1	100.5

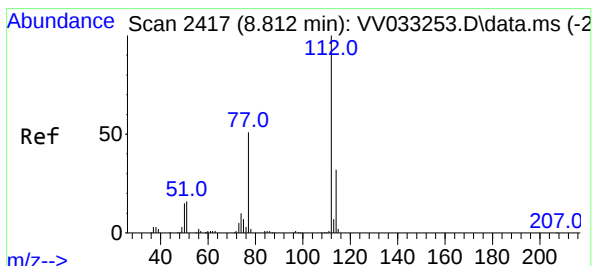
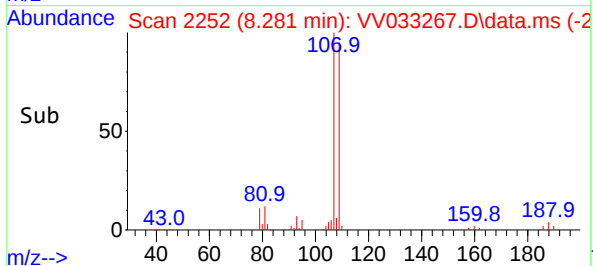
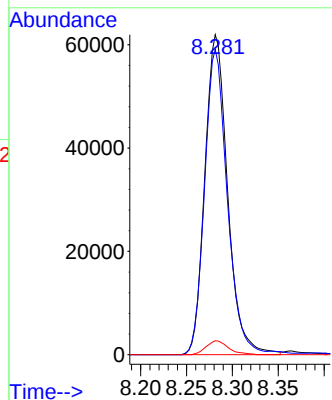
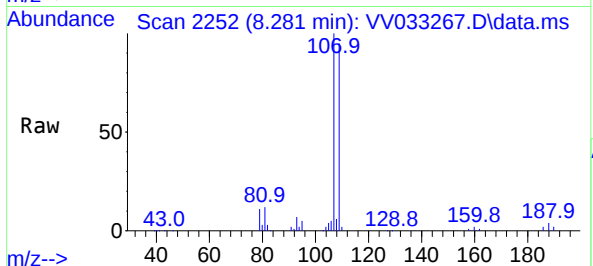




#50
1,2-Dibromoethane
Concen: 53.595 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

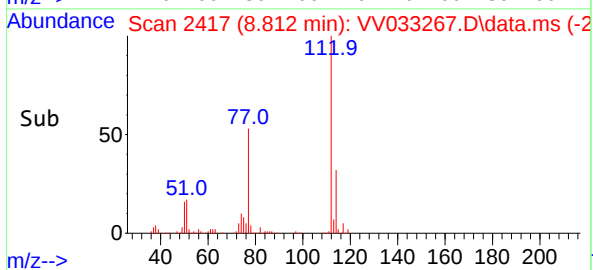
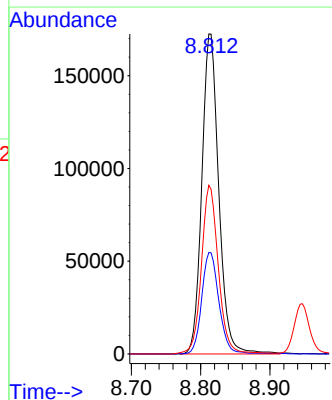
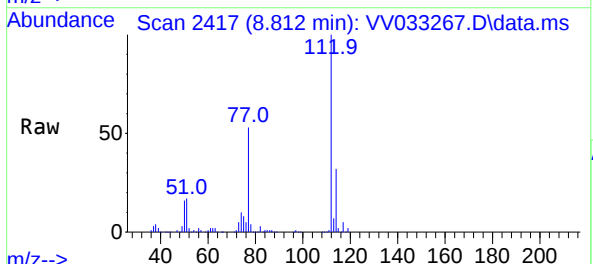
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

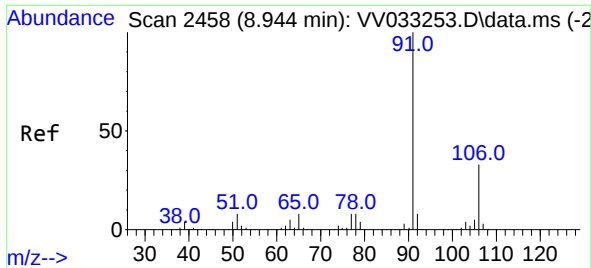
Tgt Ion:107 Resp: 107073
Ion Ratio Lower Upper
107 100
109 95.4 65.2 121.2
188 4.4 3.8 5.6



#51
Chlorobenzene
Concen: 52.912 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:112 Resp: 292802
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 52.7 42.6 64.0

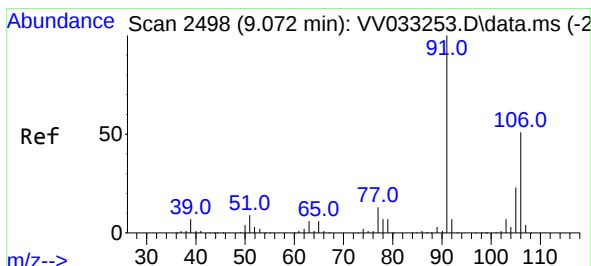
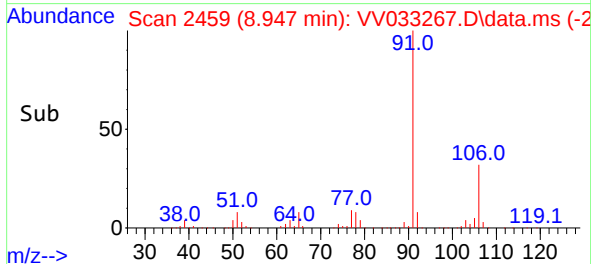
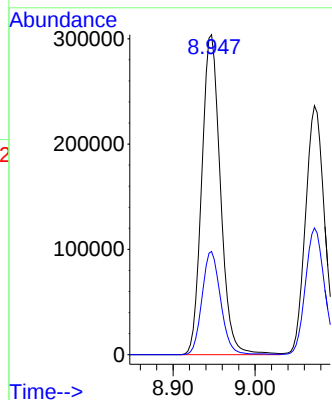
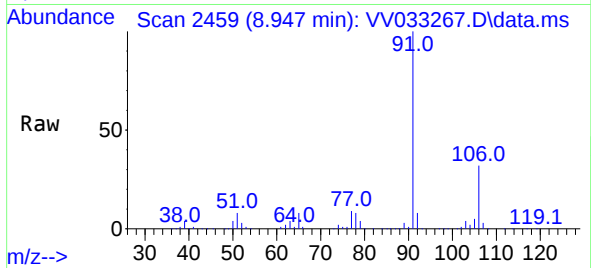




#52
Ethylbenzene
Concen: 53.066 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

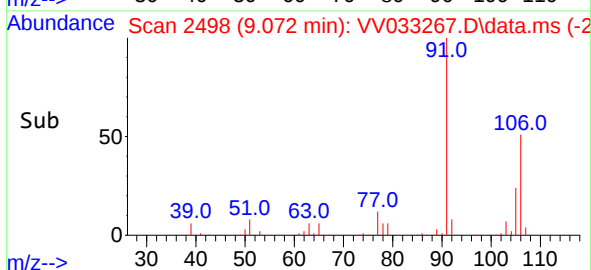
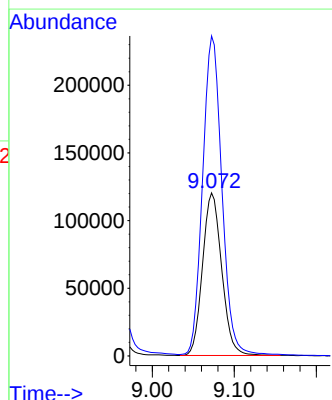
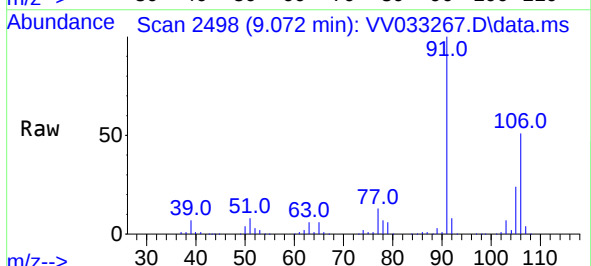
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

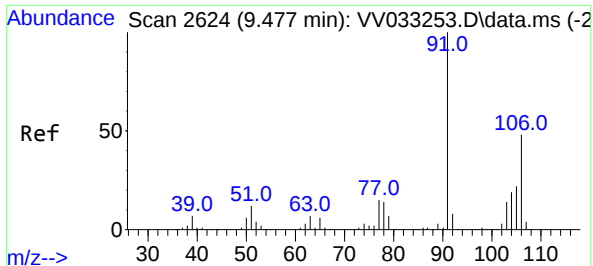
Tgt Ion: 91 Resp: 480662
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#53
m,p-Xylene
Concen: 54.304 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:106 Resp: 194788
Ion Ratio Lower Upper
106 100
91 196.3 145.2 269.6

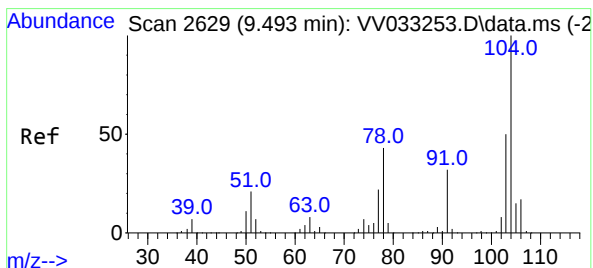
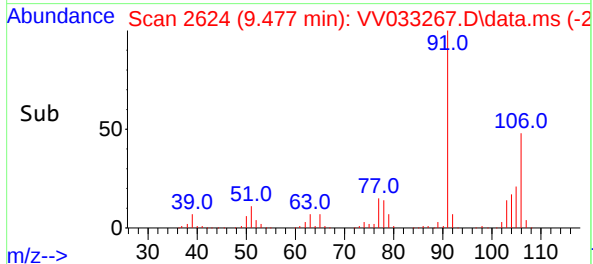
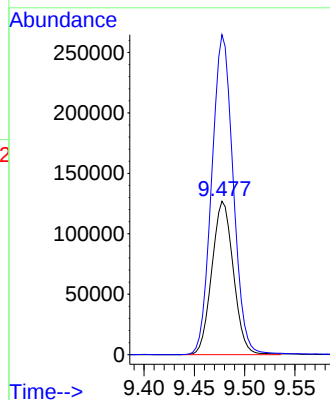
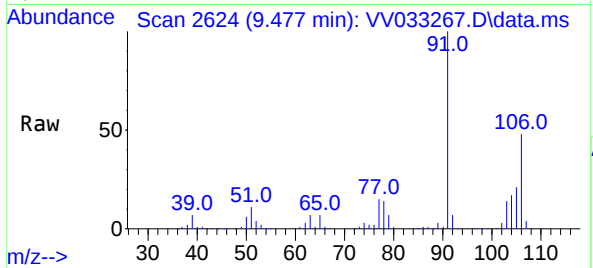




#54
o-Xylene
Concen: 53.460 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

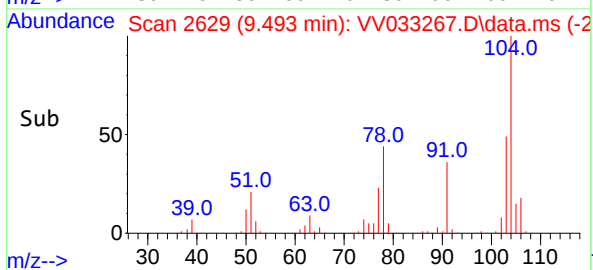
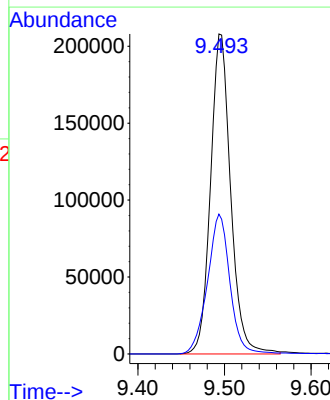
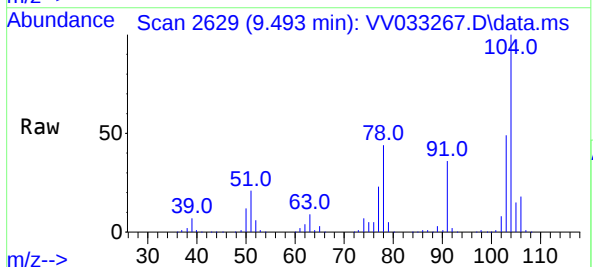
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

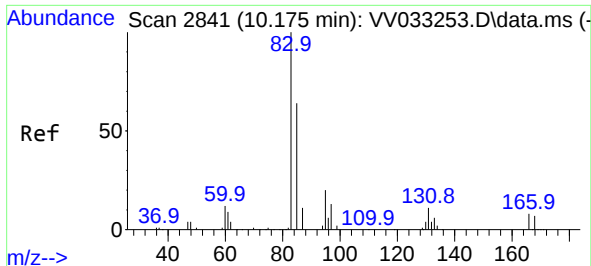
Tgt Ion:106 Resp: 189224
Ion Ratio Lower Upper
106 100
91 208.6 147.8 274.6



#55
Styrene
Concen: 54.872 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:104 Resp: 335989
Ion Ratio Lower Upper
104 100
78 43.7 30.2 56.0

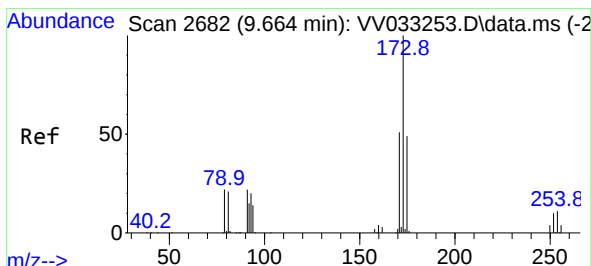
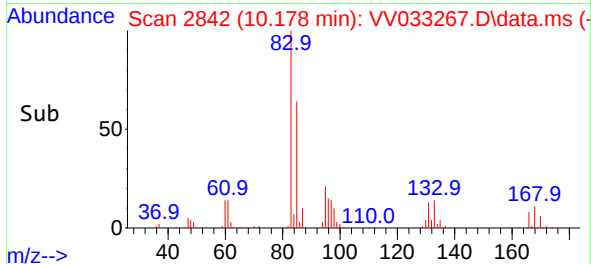
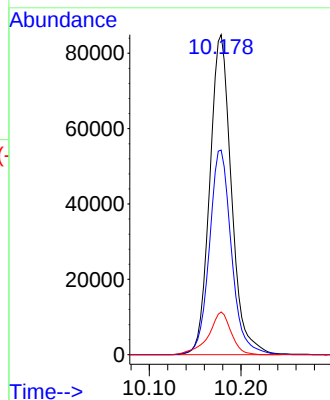
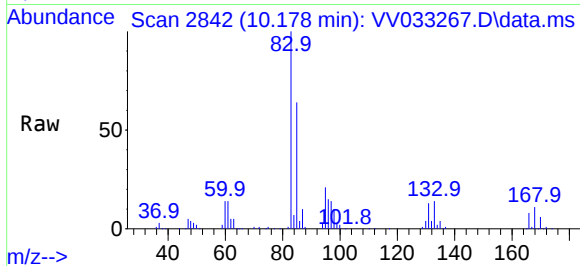




#57
1,1,2-Tetrachloroethane
Concen: 54.538 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

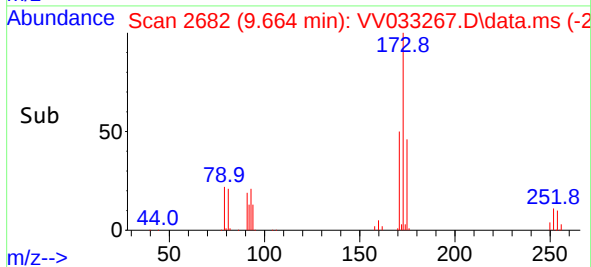
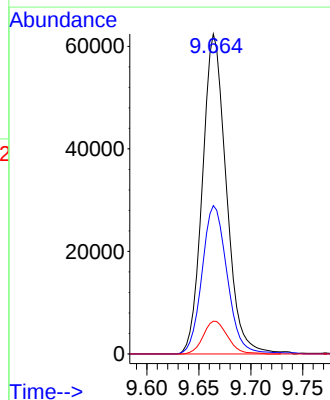
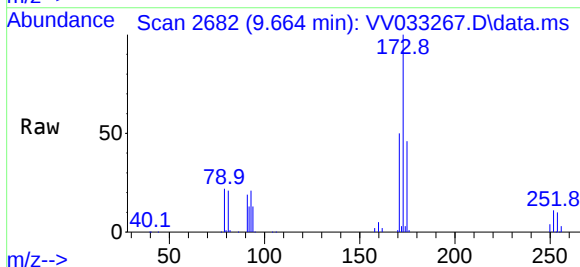
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

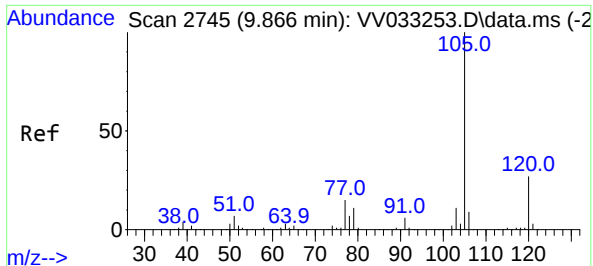
Tgt Ion: 83 Resp: 139629
Ion Ratio Lower Upper
83 100
85 64.0 45.5 84.5
131 13.4 9.7 14.5



#59
Bromoform
Concen: 52.873 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:173 Resp: 99644
Ion Ratio Lower Upper
173 100
175 48.9 38.7 58.1
254 10.5 8.0 12.0

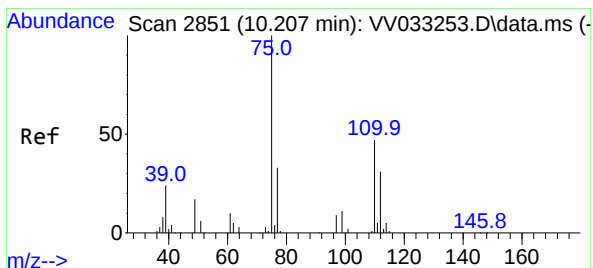
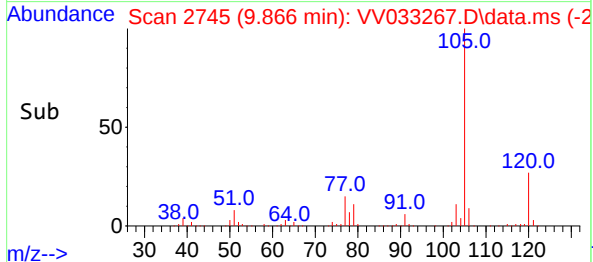
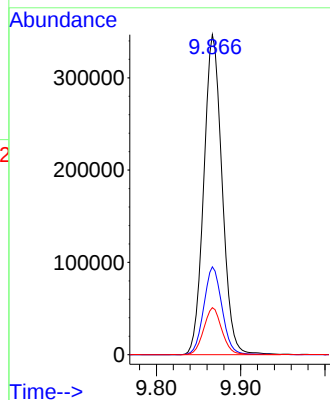
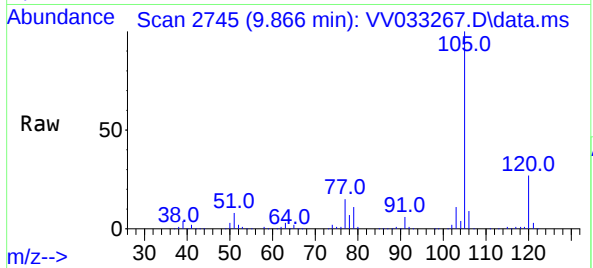




#60
Isopropylbenzene
Concen: 52.470 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

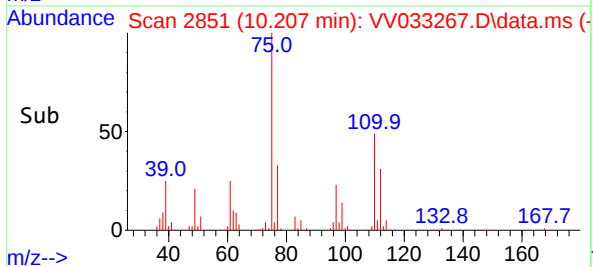
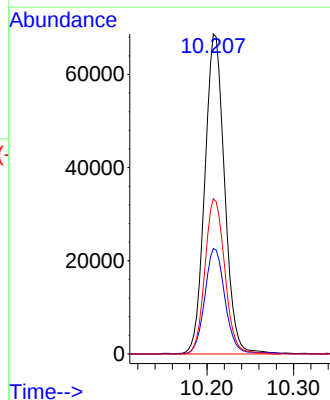
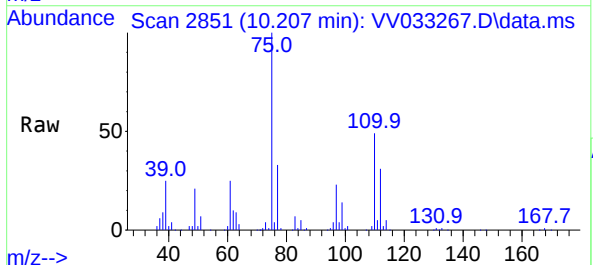
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

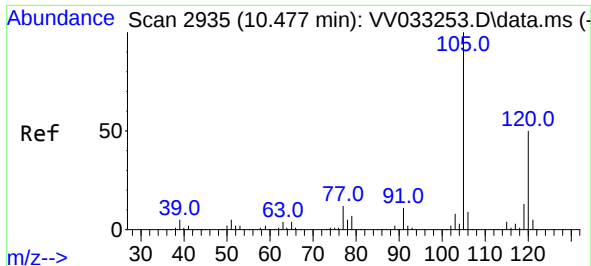
Tgt Ion:105 Resp: 525339
Ion Ratio Lower Upper
105 100
120 27.4 21.3 31.9
77 14.6 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 50.344 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion: 75 Resp: 109006
Ion Ratio Lower Upper
75 100
77 33.0 27.0 40.6
110 48.7 38.1 57.1

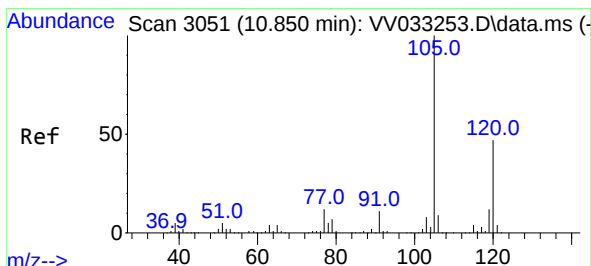
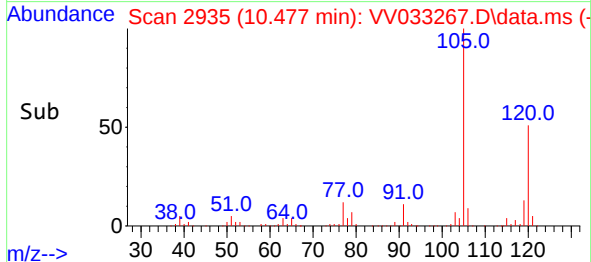
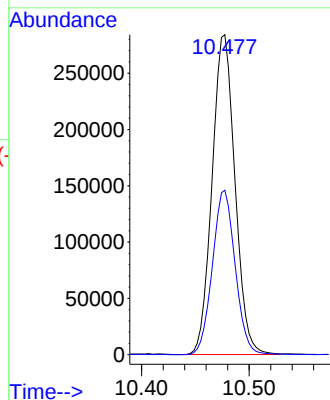
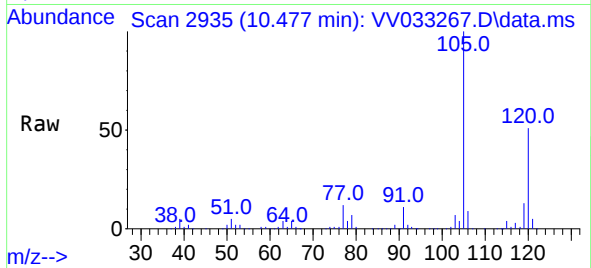




#62
1,3,5-Trimethylbenzene
Concen: 52.149 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

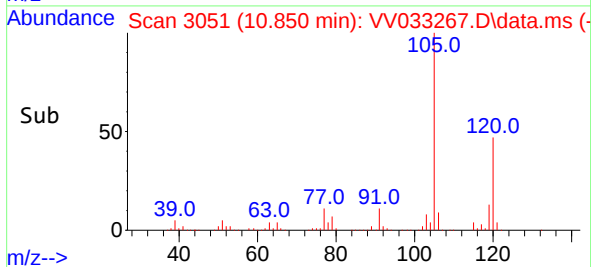
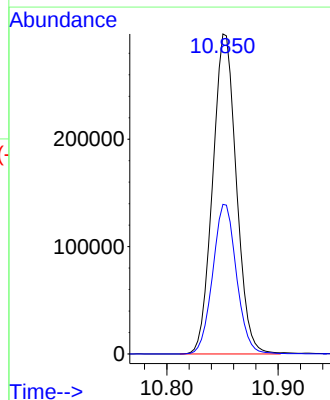
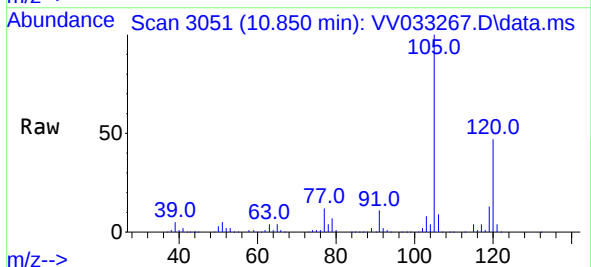
Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

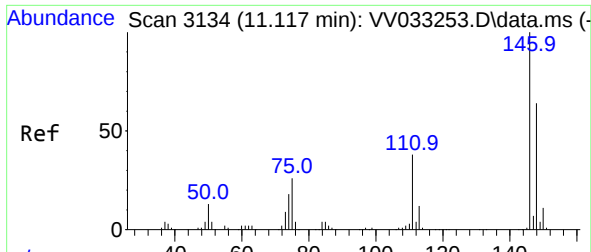
Tgt Ion:105 Resp: 420674
Ion Ratio Lower Upper
105 100
120 51.2 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 52.442 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:105 Resp: 440563
Ion Ratio Lower Upper
105 100
120 46.9 36.7 55.1



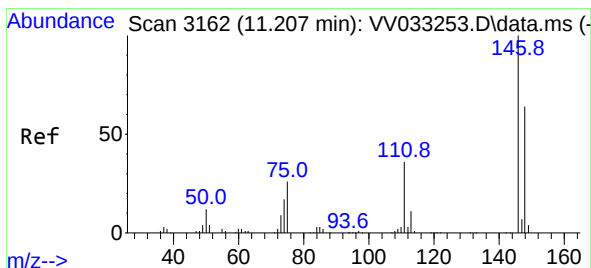
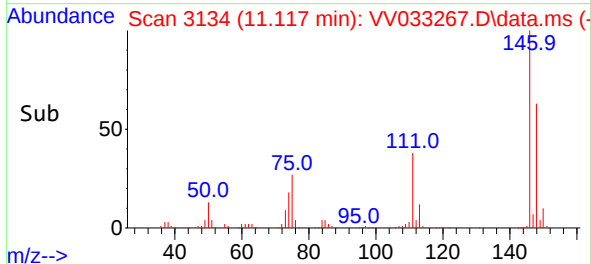
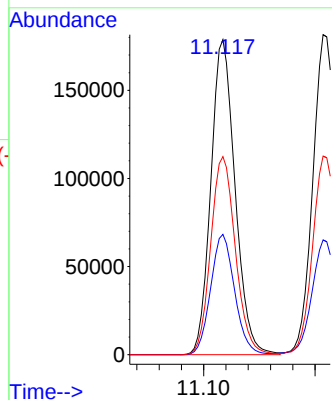
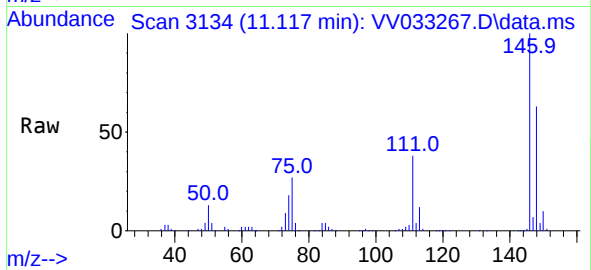


#64
1,3-Dichlorobenzene
Concen: 50.482 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion:146 Resp: 270028

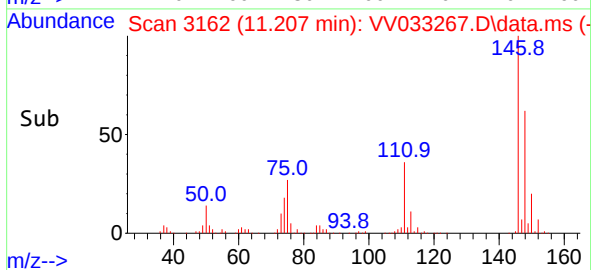
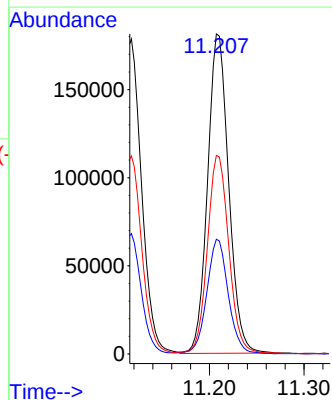
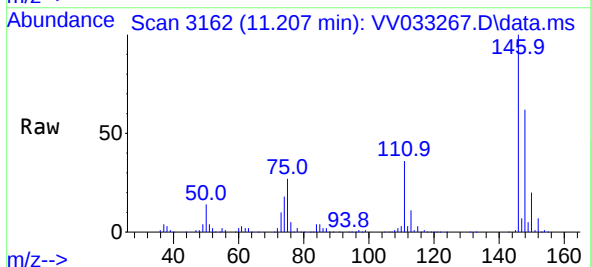
Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.2	48.6
148	62.9	44.5	82.7

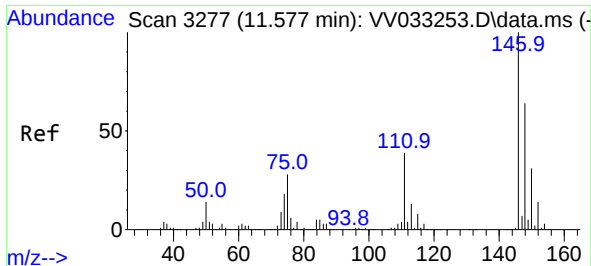


#65
1,4-Dichlorobenzene
Concen: 50.596 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:146 Resp: 281132

Ion	Ratio	Lower	Upper
146	100		
111	35.8	25.9	48.1
148	62.1	44.9	83.5





#67

1,2-Dichlorobenzene

Concen: 51.882 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050359

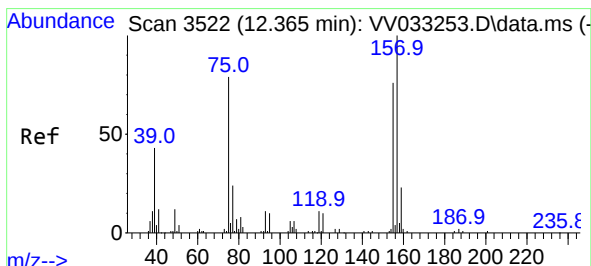
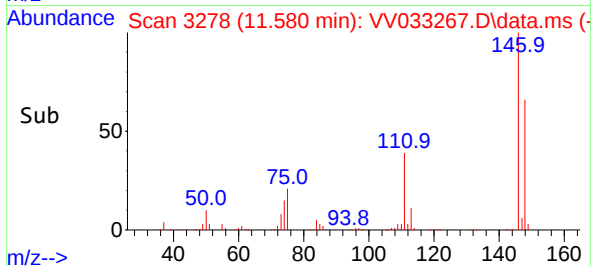
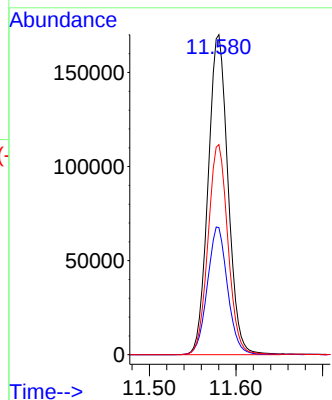
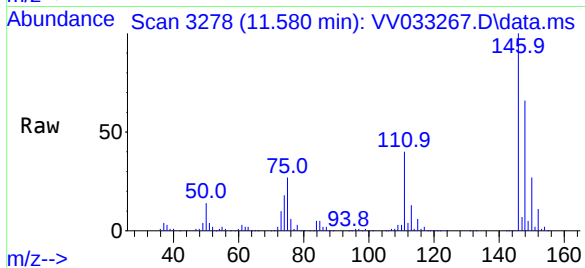
Tgt Ion:146 Resp: 272062

Ion Ratio Lower Upper

146 100

111 39.7 32.4 48.6

148 65.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 48.828 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033267.D

Acq: 12 Dec 2023 16:56

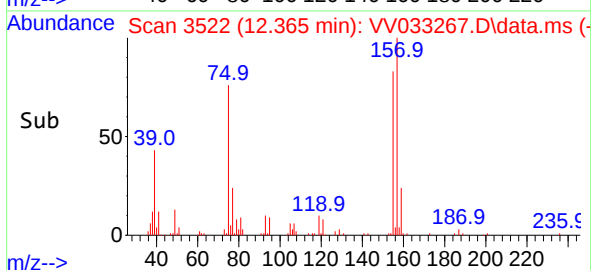
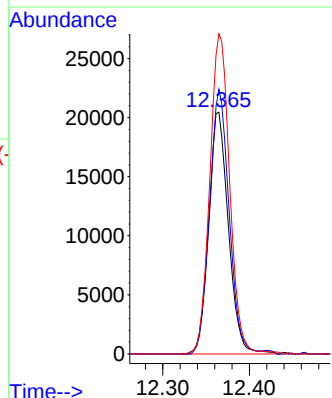
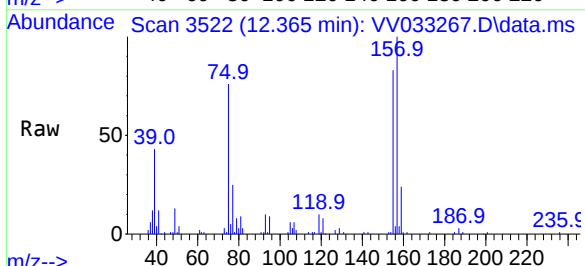
Tgt Ion: 75 Resp: 32440

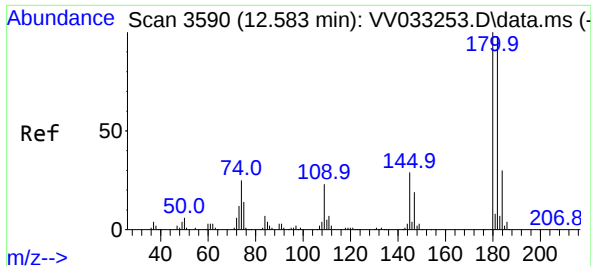
Ion Ratio Lower Upper

75 100

155 109.4 75.8 113.6

157 132.3 95.4 143.0



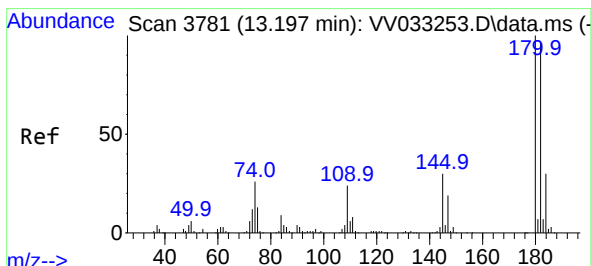
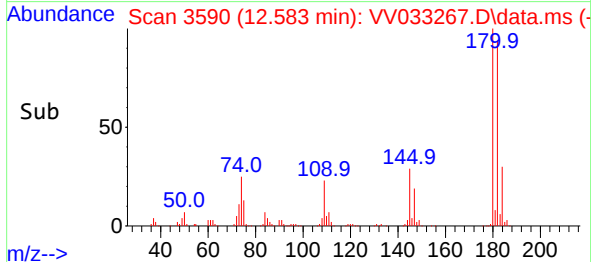
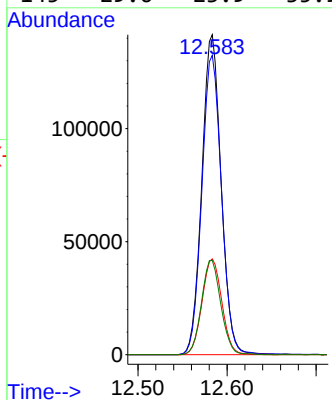
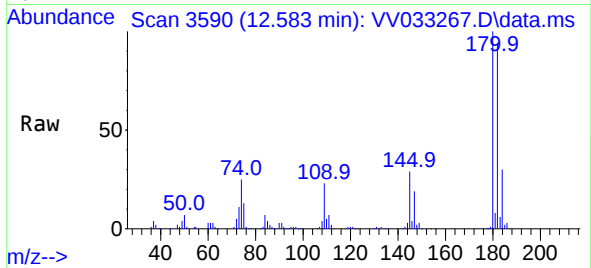


#69
1,3,5-Trichlorobenzene
Concen: 49.694 ug/L
RT: 12.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion:180 Resp: 212917

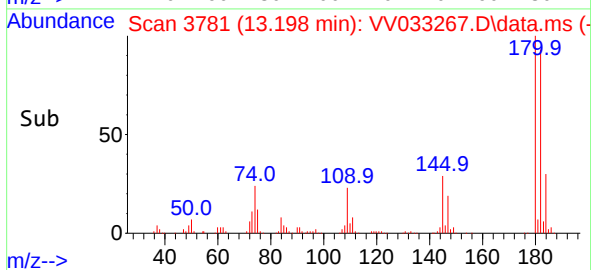
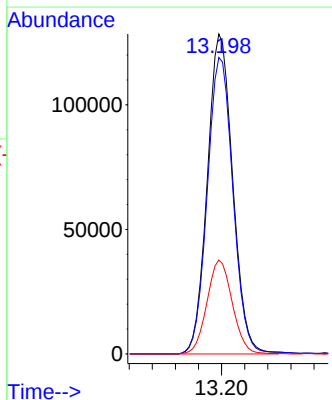
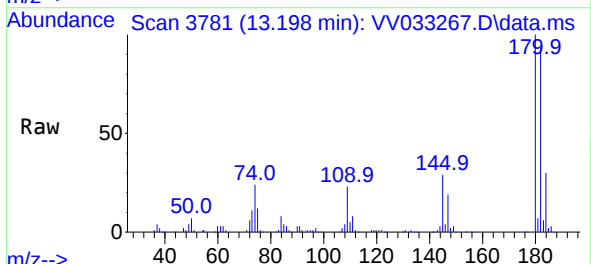
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	30.5	24.2	36.4
145	29.6	23.9	35.9

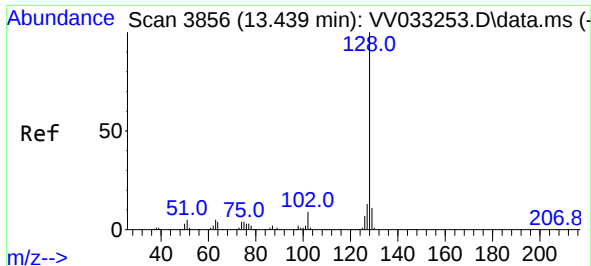


#70
1,2,4-trichlorobenzene
Concen: 49.544 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:180 Resp: 196119

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.3	114.5
145	29.3	23.4	35.0

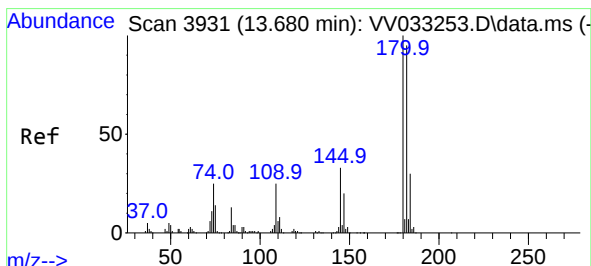
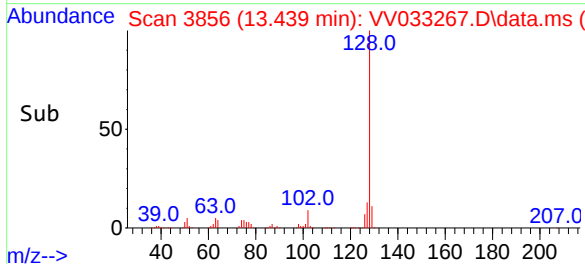
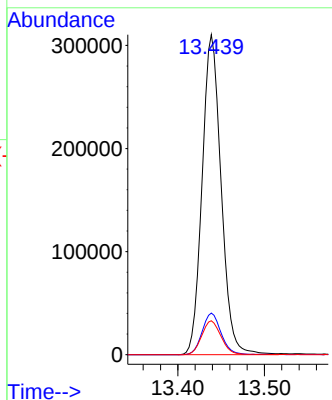
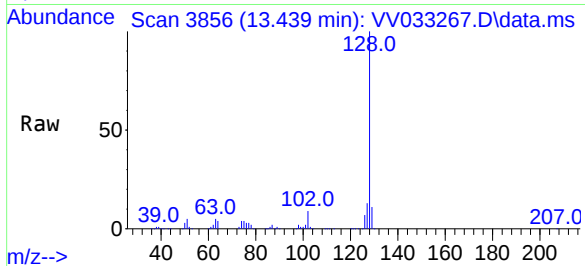




#71
Naphthalene
Concen: 49.083 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050359

Tgt Ion:128 Resp: 473827
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.661 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033267.D
Acq: 12 Dec 2023 16:56

Tgt Ion:180 Resp: 197325
Ion Ratio Lower Upper
180 100
182 94.8 75.2 112.8
145 31.5 24.9 37.3

