

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101322\
 Data File : VW028544.D
 Acq On : 13 Oct 2022 18:03
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

Quant Time: Oct 14 04:51:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 14 04:49:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	238745	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	221701	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	125941	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	89429	48.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.100%
7) Chloroethane-d5	1.564	69	72381	49.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.100%
11) 1,1-Dichloroethene-d2	2.105	63	171855	54.814	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.620%
21) 2-Butanone-d5	3.896	46	147034	91.176	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.180%
24) Chloroform-d	4.342	84	192651	57.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.040%
26) 1,2-Dichloroethane-d4	5.027	65	135812	62.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.660%
32) Benzene-d6	5.043	84	367300	51.703	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	6.066	67	105540	45.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.140%
41) Toluene-d8	7.310	98	341225	53.649	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.300%
43) trans-1,3-Dichloroprop...	7.616	79	62940	53.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.620%
47) 2-Hexanone-d5	8.085	63	118004	93.656	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.660%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	146229	46.136	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	11.615	152	136351	52.250	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	107591	59.853	ug/L	100
3) Chloromethane	1.236	50	86192	42.592	ug/L	100
5) Vinyl chloride	1.307	62	92926	45.757	ug/L	99
6) Bromomethane	1.519	94	48431	52.300	ug/L	96
8) Chloroethane	1.584	64	56818	46.088	ug/L	96
9) Trichlorofluoromethane	1.751	101	168165	67.003	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	78452	55.153	ug/L	93
12) 1,1-Dichloroethene	2.114	96	76648	54.888	ug/L	98
13) Acetone	2.191	43	107464	86.025	ug/L	99
14) Carbon disulfide	2.288	76	209221	46.848	ug/L	99
15) Methyl Acetate	2.436	43	87508	41.489	ug/L	90
16) Methylene chloride	2.503	84	105167	57.953	ug/L	94
17) trans-1,2-Dichloroethene	2.754	96	82996	50.955	ug/L	94
18) Methyl tert-butyl Ether	2.764	73	337049	56.290	ug/L	95
19) 1,1-Dichloroethane	3.185	63	166101	49.920	ug/L	97
20) cis-1,2-Dichloroethene	3.905	96	99828	53.800	ug/L	95
22) 2-Butanone	3.979	43	143828	87.336	ug/L	94
23) Bromochloromethane	4.243	128	51009	56.566	ug/L	83
25) Chloroform	4.368	83	183169	56.389	ug/L	99

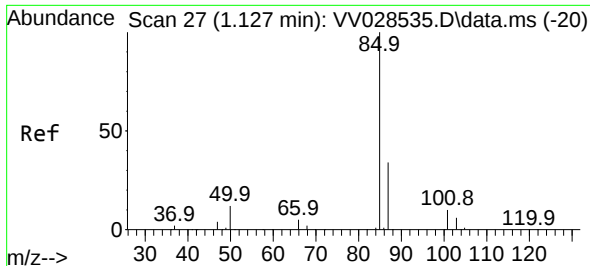
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 14 04:49:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	157484	63.277	ug/L	96
29) Cyclohexane	4.670	56	139458	43.733	ug/L	88
30) 1,1,1-Trichloroethane	4.603	97	176813	61.736	ug/L	98
31) Carbon tetrachloride	4.822	117	150794	62.897	ug/L	99
33) Benzene	5.095	78	369345	50.654	ug/L	100
34) Trichloroethene	5.908	95	94214	52.085	ug/L	95
35) Methylcyclohexane	6.127	83	151365	48.133	ug/L	96
37) 1,2-Dichloropropane	6.169	63	91542	46.828	ug/L	98
38) Bromodichloromethane	6.506	83	135761	53.306	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	154558	49.699	ug/L	95
40) 4-Methyl-2-pentanone	7.223	43	312517	93.736	ug/L	98
42) Toluene	7.381	91	399683	53.179	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	161669	54.166	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	93088	51.412	ug/L	96
46) Tetrachloroethene	7.969	164	75395	58.008	ug/L	96
48) 2-Hexanone	8.137	43	242504	94.747	ug/L	98
49) Dibromochloromethane	8.239	129	105928	54.427	ug/L	97
50) 1,2-Dibromoethane	8.345	107	93323	49.778	ug/L #	97
51) Chlorobenzene	8.876	112	256373	54.369	ug/L	95
52) Ethylbenzene	9.005	91	441215	53.861	ug/L	98
53) m,p-Xylene	9.130	106	167942	54.089	ug/L	99
54) o-Xylene	9.535	106	169603	54.554	ug/L	100
55) Styrene	9.551	104	294379	55.138	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.233	83	142702	46.021	ug/L	96
59) Bromoform	9.725	173	78268	50.185	ug/L	98
60) Isopropylbenzene	9.924	105	461196	50.820	ug/L	98
61) 1,2,3-Trichloropropane	10.265	75	120638	44.995	ug/L	95
62) 1,3,5-Trimethylbenzene	10.532	105	404053	51.407	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	399359	51.189	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	209510	52.782	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	203668	51.422	ug/L	98
67) 1,2-Dichlorobenzene	11.635	146	212517	53.048	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	38562	46.999	ug/L	98
69) 1,3,5-Trichlorobenzene	12.635	180	162638	53.948	ug/L	98
70) 1,2,4-trichlorobenzene	13.249	180	142052	53.459	ug/L	97
71) Naphthalene	13.490	128	426525	51.607	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	145106	56.011	ug/L	98

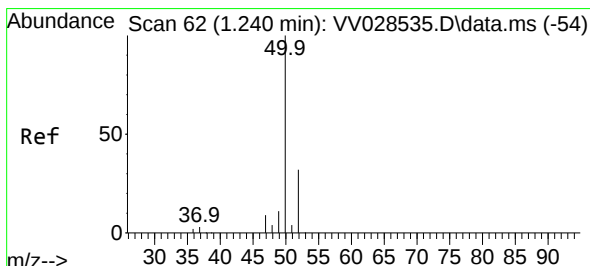
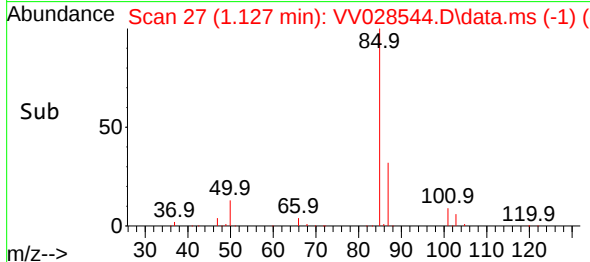
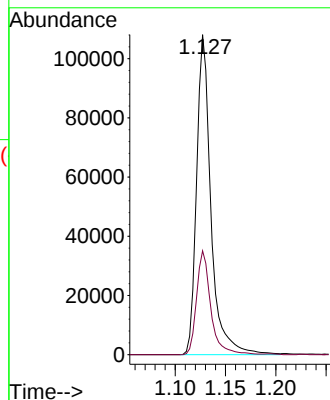
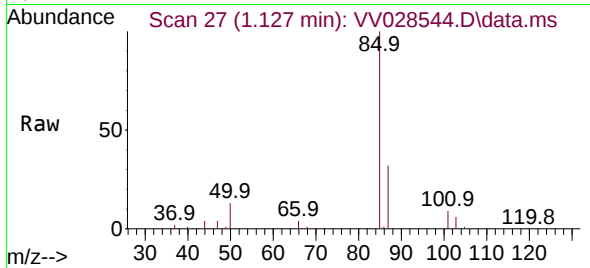
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#2
 Dichlorodifluoromethane
 Concen: 59.853 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

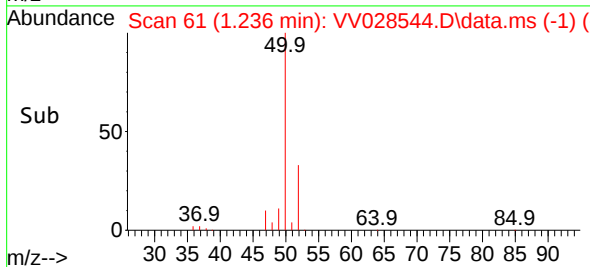
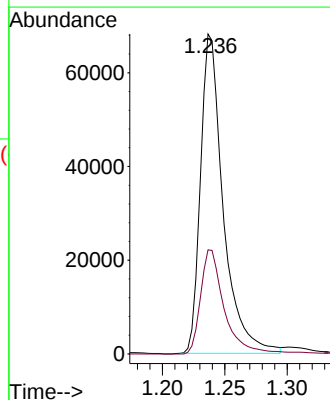
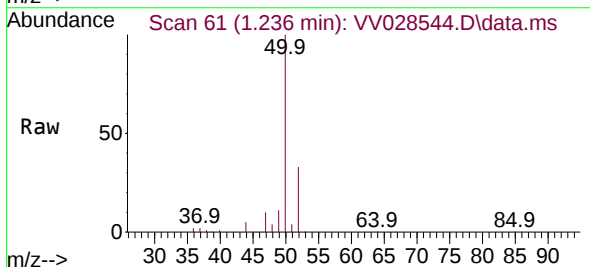
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

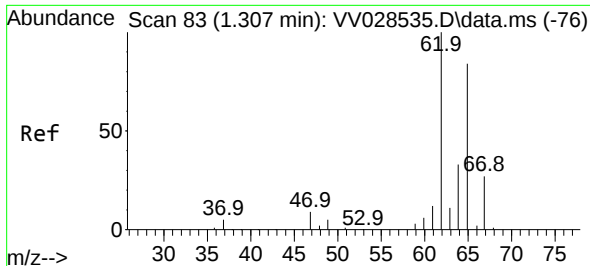
Tgt Ion: 85 Resp: 107591
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 42.592 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

Tgt Ion: 50 Resp: 86192
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.7 42.3

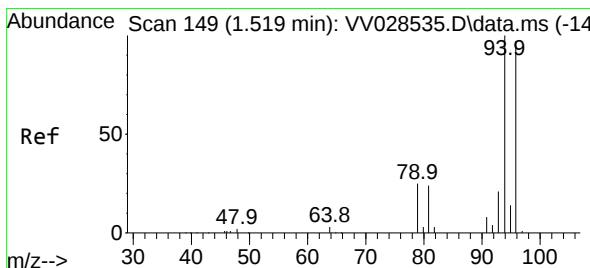
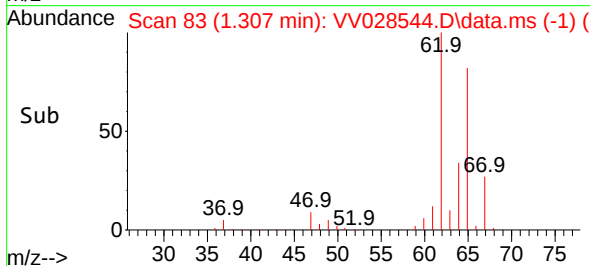
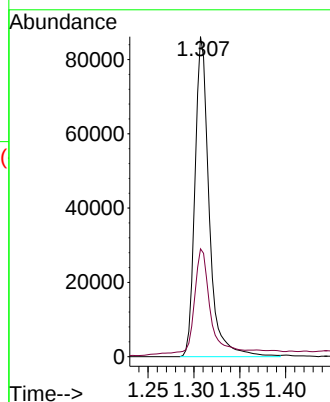
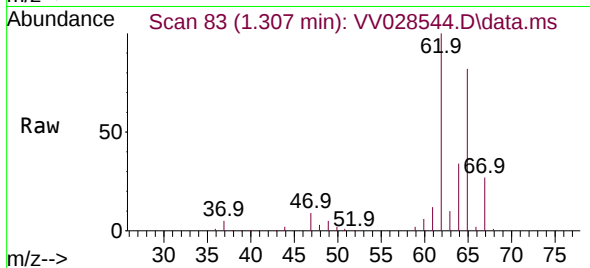




#5
 Vinyl chloride
 Concen: 45.757 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

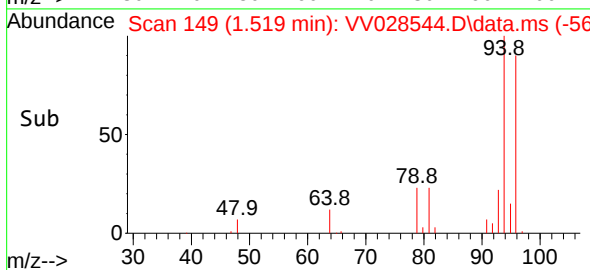
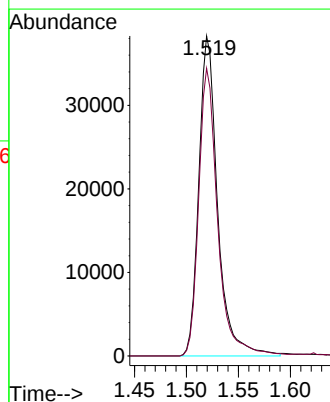
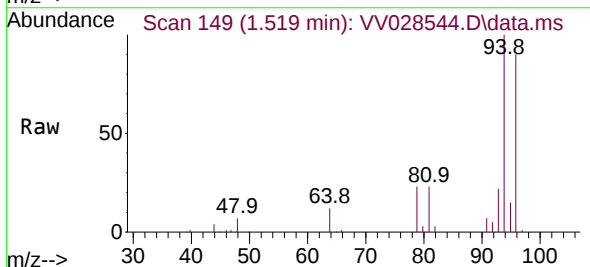
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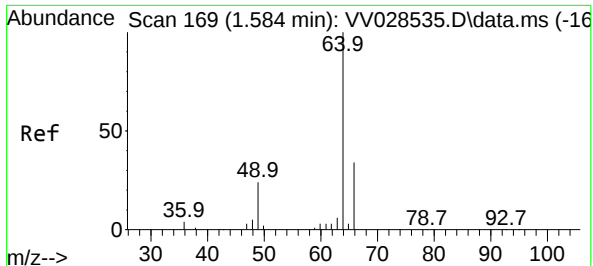
Tgt Ion: 62 Resp: 92926
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.3 43.3



#6
 Bromomethane
 Concen: 52.300 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

Tgt Ion: 94 Resp: 48431
 Ion Ratio Lower Upper
 94 100
 96 89.9 65.5 121.6

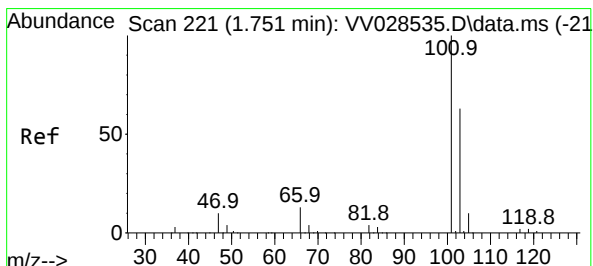
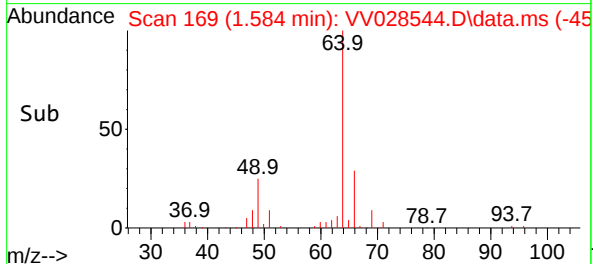
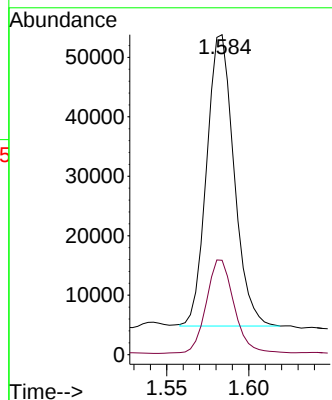
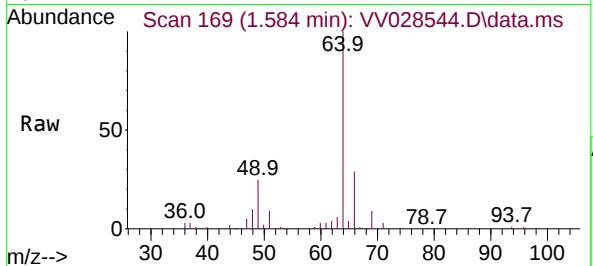




#8
Chloroethane
Concen: 46.088 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

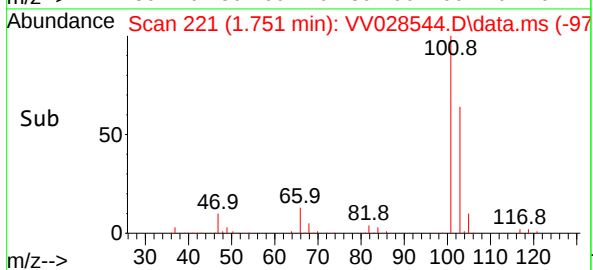
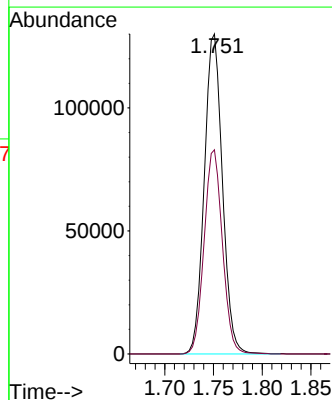
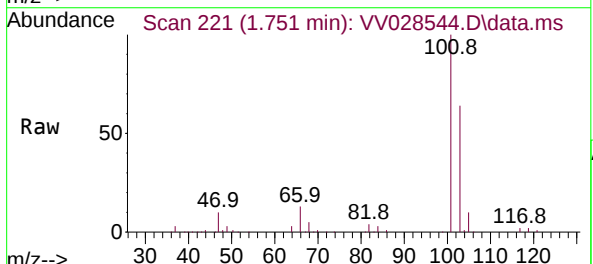
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ClientSampleId :
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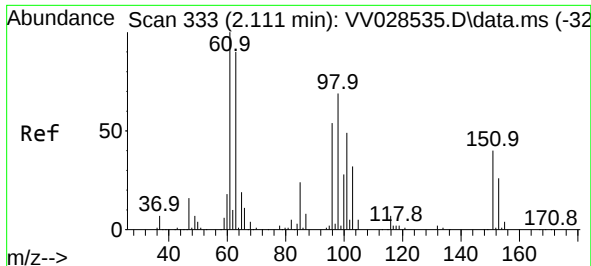
Tgt Ion: 64 Resp: 56818
Ion Ratio Lower Upper
64 100
66 29.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 67.003 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:101 Resp: 168165
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

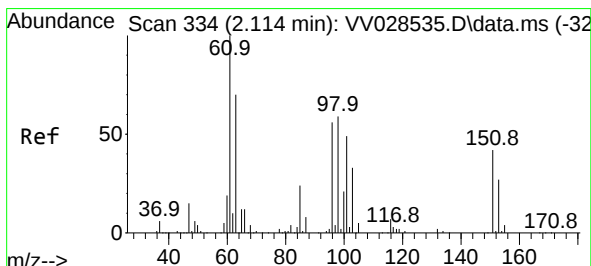
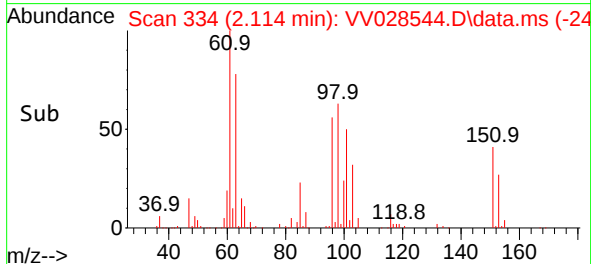
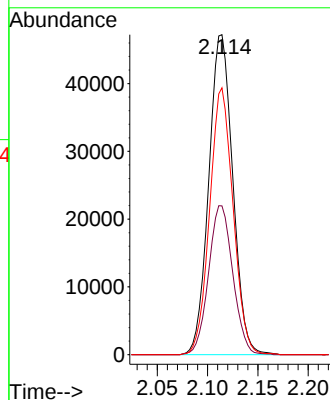
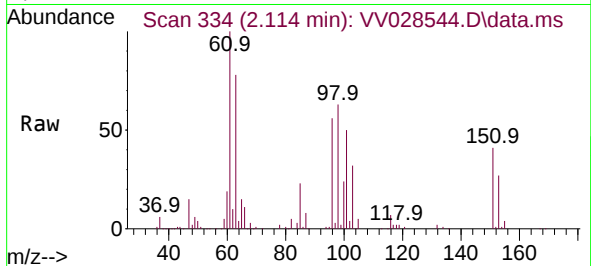




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.153 ug/L
 RT: 2.114 min Scan# 333
 Delta R.T. 0.003 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

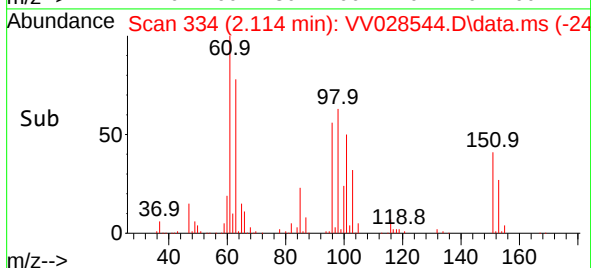
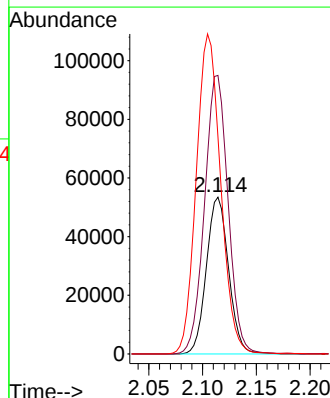
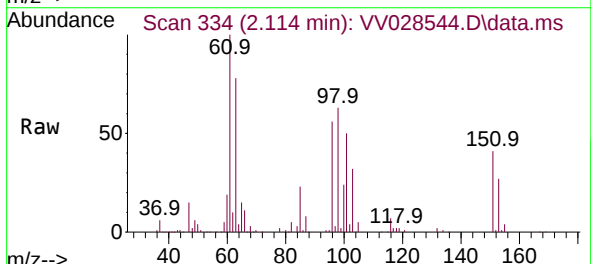
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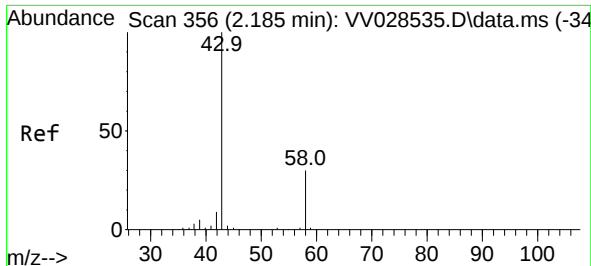
Tgt Ion:101 Resp: 78452
 Ion Ratio Lower Upper
 101 100
 85 47.0 34.9 52.3
 151 81.4 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 54.888 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

Tgt Ion: 96 Resp: 76648
 Ion Ratio Lower Upper
 96 100
 61 177.6 125.6 233.2
 63 138.4 100.0 185.6





#13

Acetone

Concen: 86.025 ug/L

RT: 2.191 min Scan# 358

Delta R.T. 0.007 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

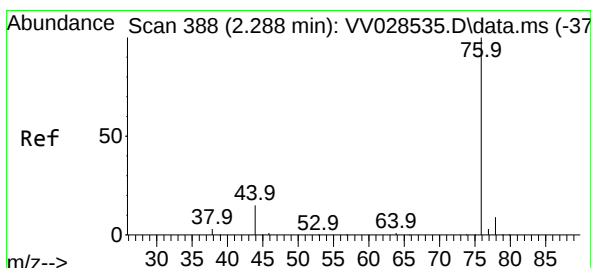
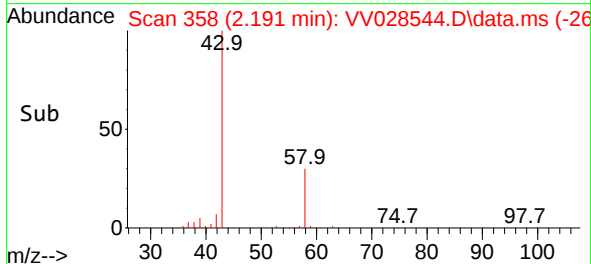
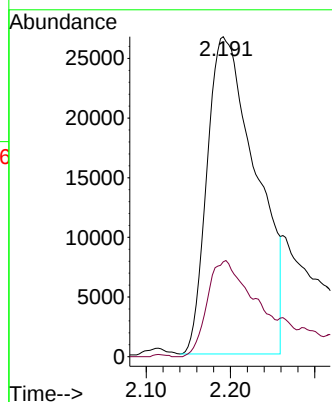
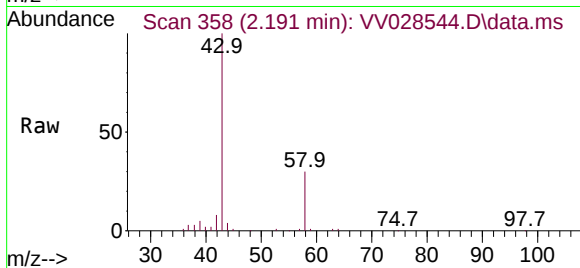
VSTD050362

Tgt Ion: 43 Resp: 107464

Ion Ratio Lower Upper

43 100

58 23.1 0.0 47.0



#14

Carbon disulfide

Concen: 46.848 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV028544.D

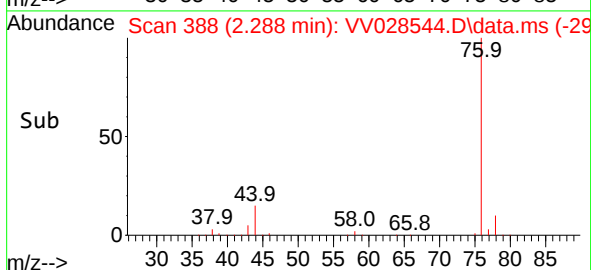
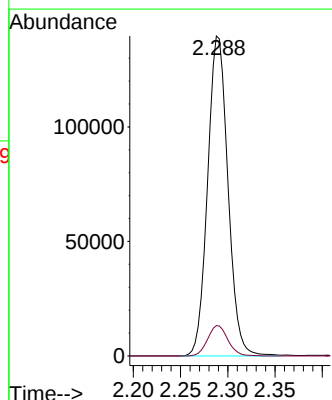
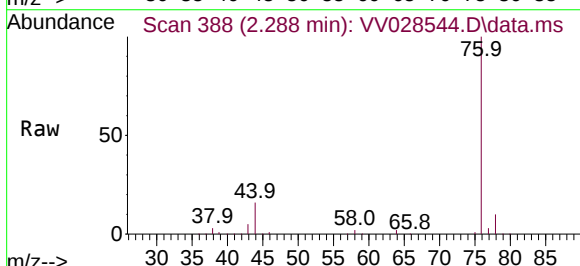
Acq: 13 Oct 2022 18:03

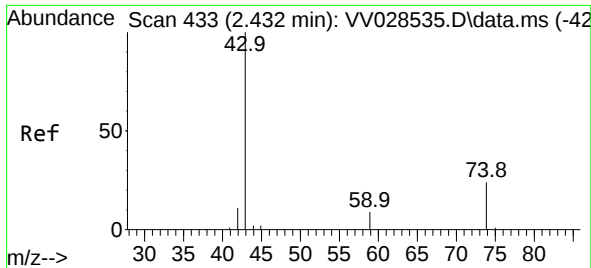
Tgt Ion: 76 Resp: 209221

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





#15

Methyl Acetate

Concen: 41.489 ug/L

RT: 2.436 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

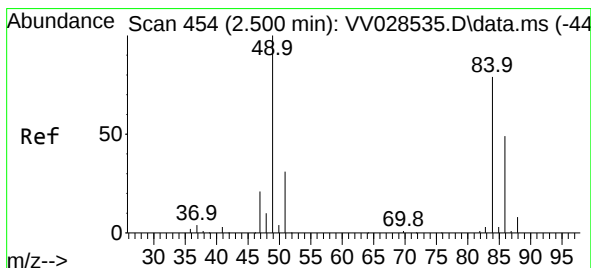
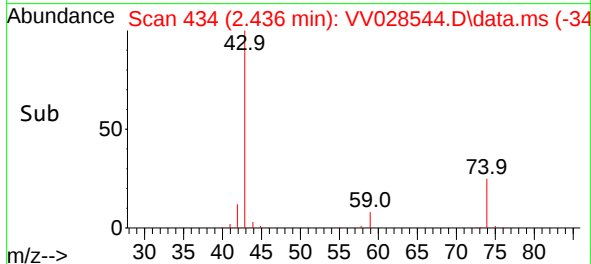
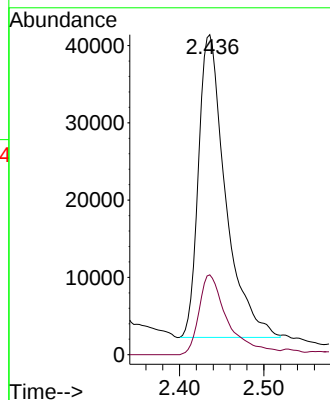
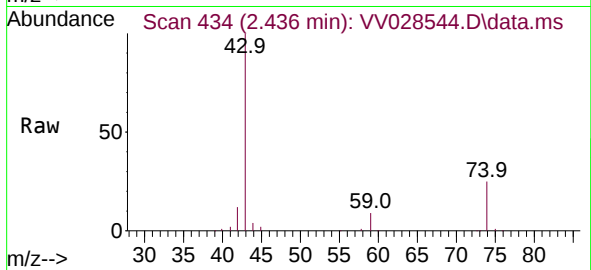
VSTD050362

Tgt Ion: 43 Resp: 87508

Ion Ratio Lower Upper

43 100

74 28.2 18.8 28.2



#16

Methylene chloride

Concen: 57.953 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

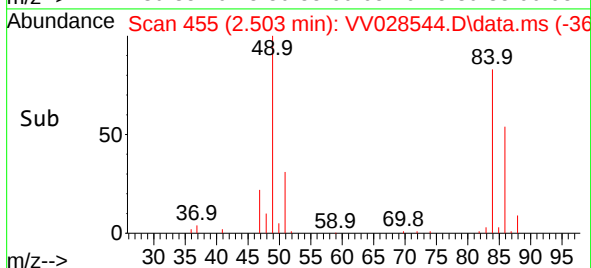
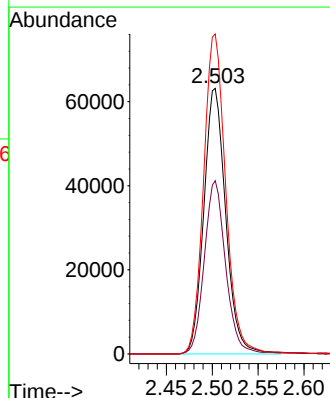
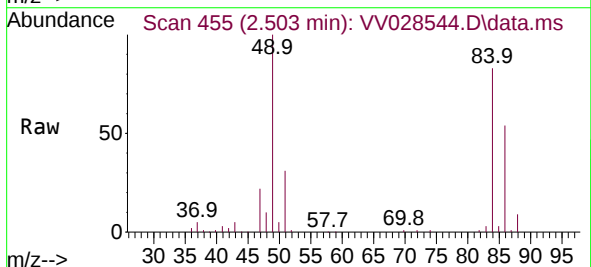
Tgt Ion: 84 Resp: 105167

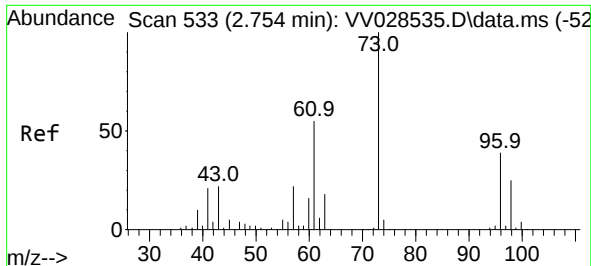
Ion Ratio Lower Upper

84 100

86 65.3 44.2 82.2

49 120.5 90.5 168.1

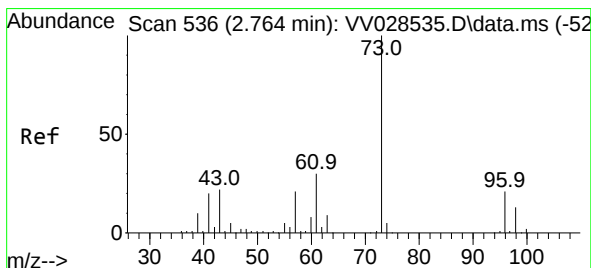
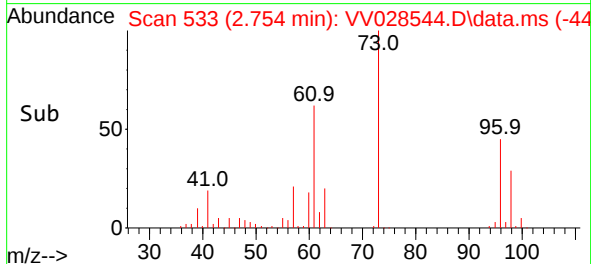
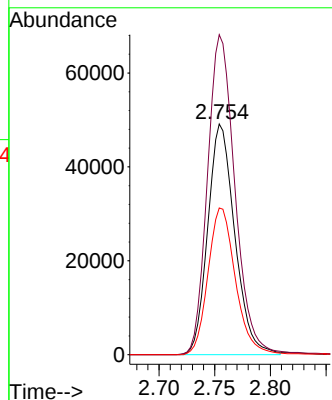
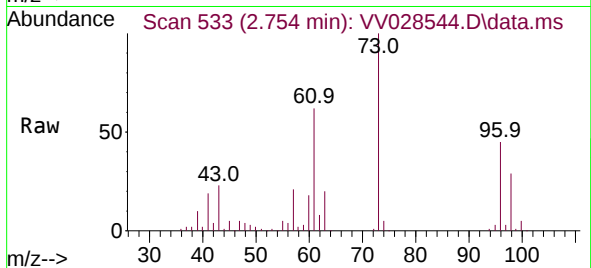




#17
trans-1,2-Dichloroethene
Concen: 50.955 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

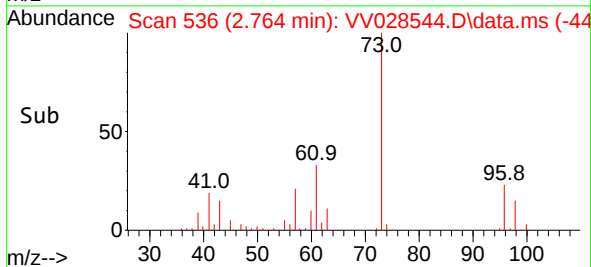
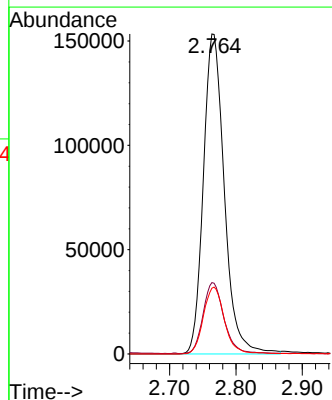
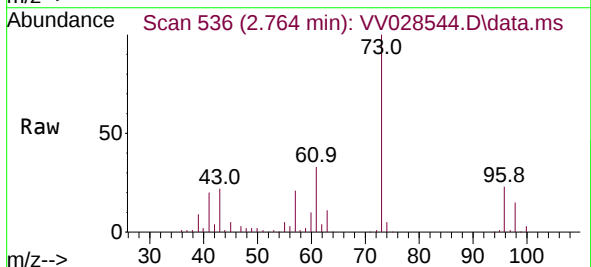
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

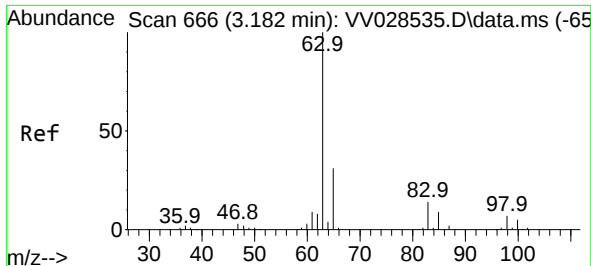
Tgt Ion: 96 Resp: 82996
Ion Ratio Lower Upper
96 100
61 138.7 104.8 194.6
98 63.6 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 56.290 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion: 73 Resp: 337049
Ion Ratio Lower Upper
73 100
43 22.0 15.6 23.4
57 20.7 18.2 27.4





#19

1,1-Dichloroethane

Concen: 49.920 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

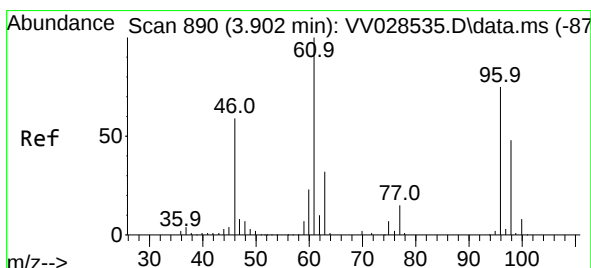
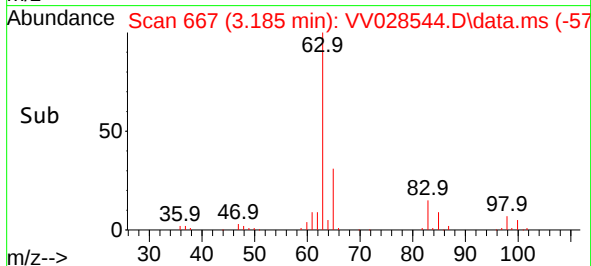
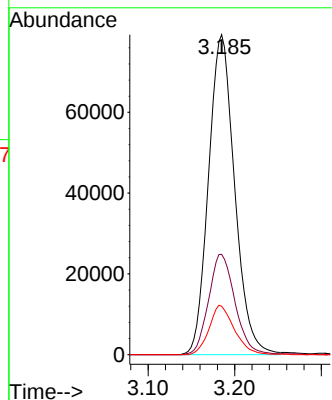
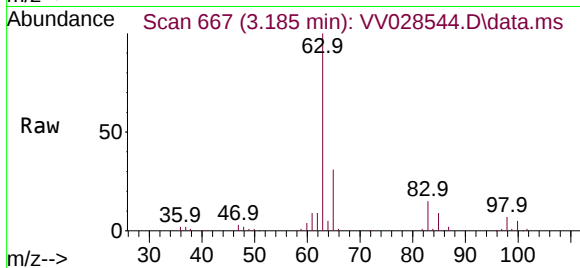
Tgt Ion: 63 Resp: 166101

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

83 15.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 53.800 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

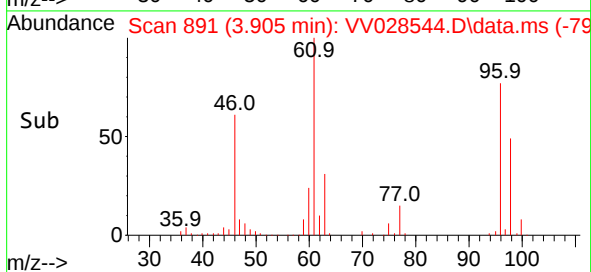
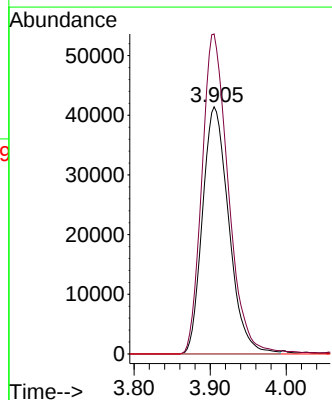
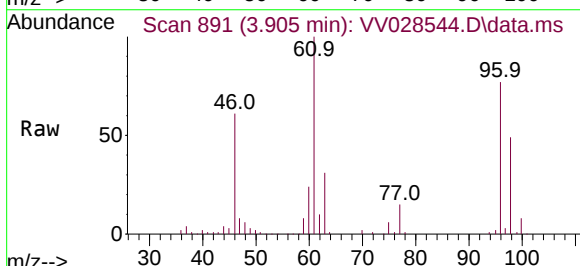
Tgt Ion: 96 Resp: 99828

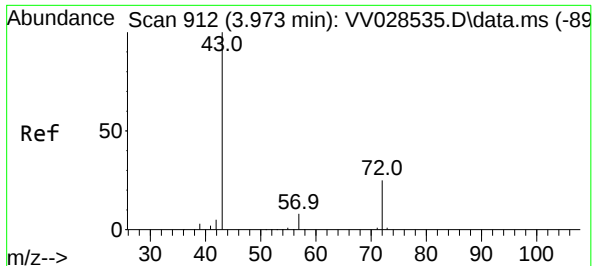
Ion Ratio Lower Upper

96 100

61 129.4 95.0 176.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 87.336 ug/L

RT: 3.979 min Scan# 914

Delta R.T. 0.007 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

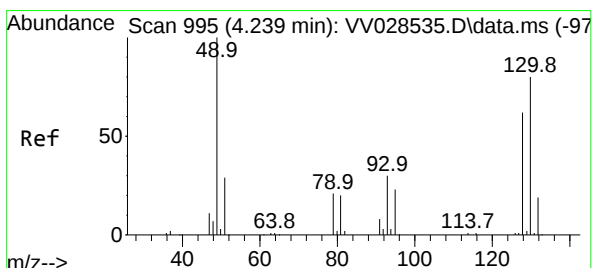
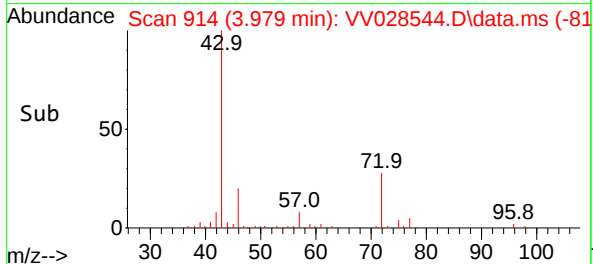
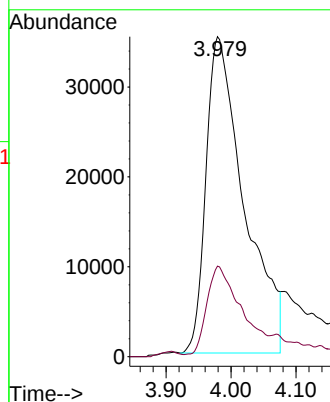
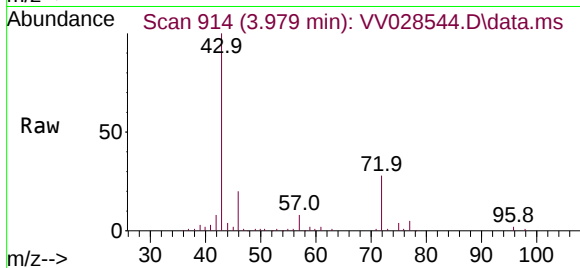
VSTD050362

Tgt Ion: 43 Resp: 143828

Ion Ratio Lower Upper

43 100

72 24.9 11.1 33.1



#23

Bromochloromethane

Concen: 56.566 ug/L

RT: 4.243 min Scan# 996

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Tgt Ion: 128 Resp: 51009

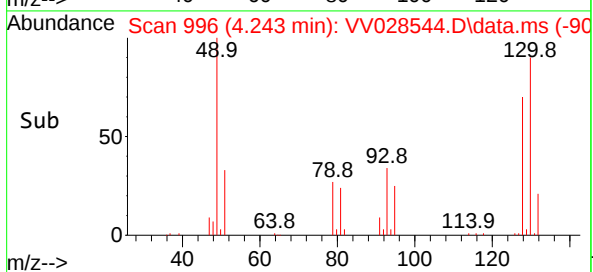
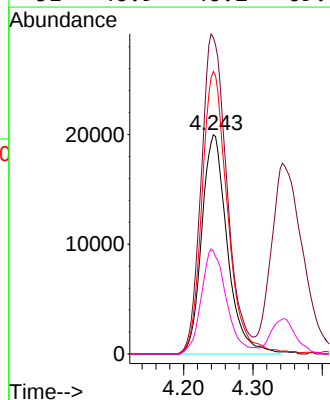
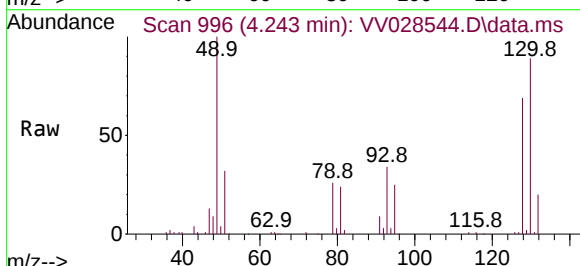
Ion Ratio Lower Upper

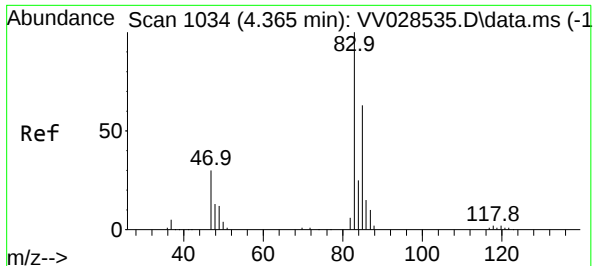
128 100

49 144.4 130.6 242.6

130 128.8 90.0 167.2

51 46.9 46.2 69.4





#25

Chloroform

Concen: 56.389 ug/L

RT: 4.368 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

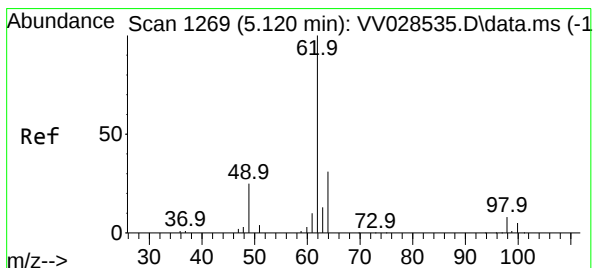
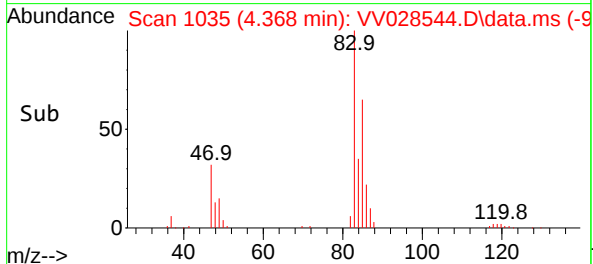
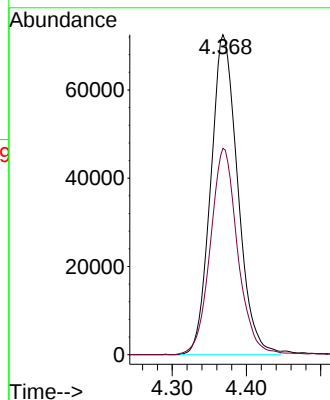
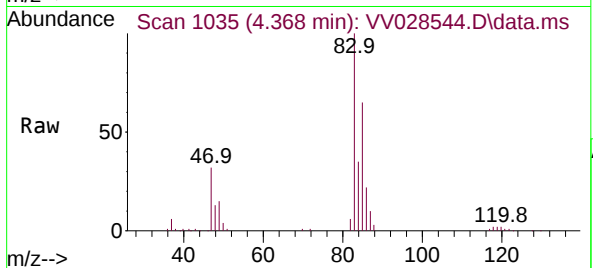
VSTD050362

Tgt Ion: 83 Resp: 183169

Ion Ratio Lower Upper

83 100

85 64.5 44.5 82.7



#27

1,2-Dichloroethane

Concen: 63.277 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.007 min

Lab File: VV028544.D

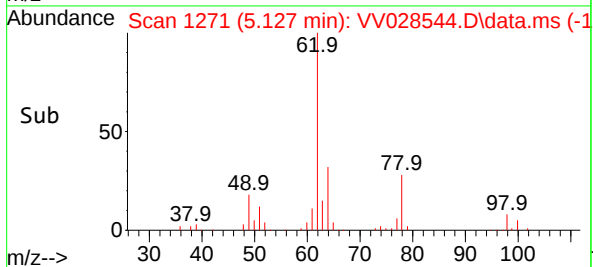
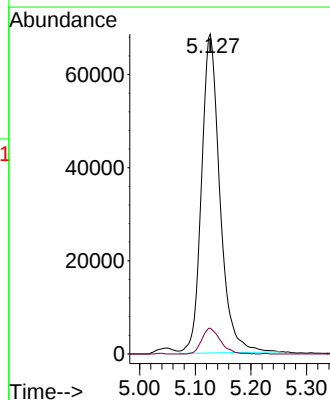
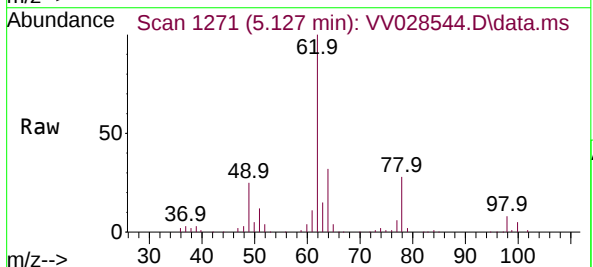
Acq: 13 Oct 2022 18:03

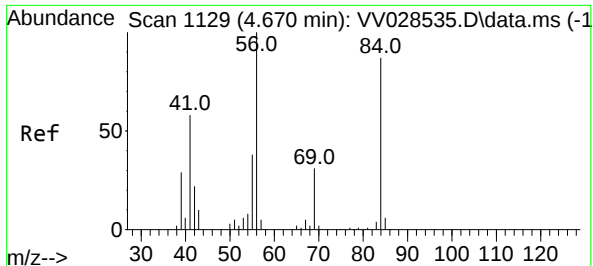
Tgt Ion: 62 Resp: 157484

Ion Ratio Lower Upper

62 100

98 8.1 7.6 11.4





#29

Cyclohexane

Concen: 43.733 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

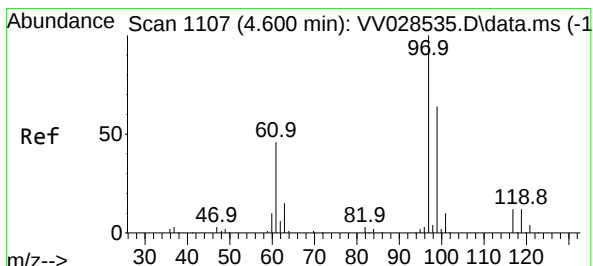
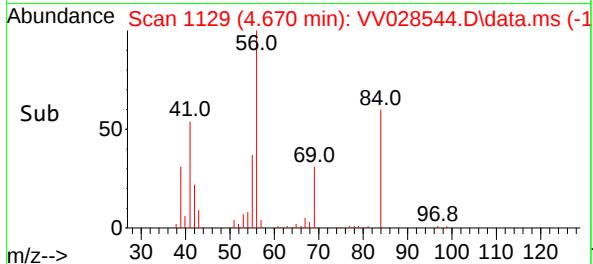
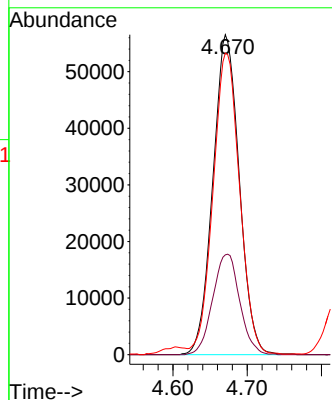
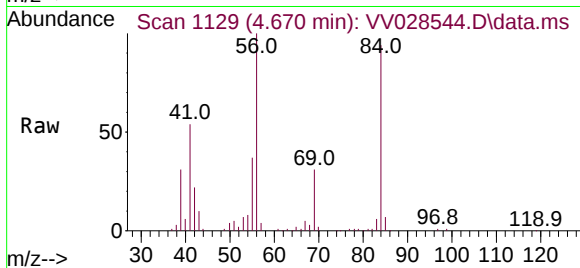
Tgt Ion: 56 Resp: 139458

Ion Ratio Lower Upper

56 100

69 32.1 23.0 34.6

84 94.6 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 61.736 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

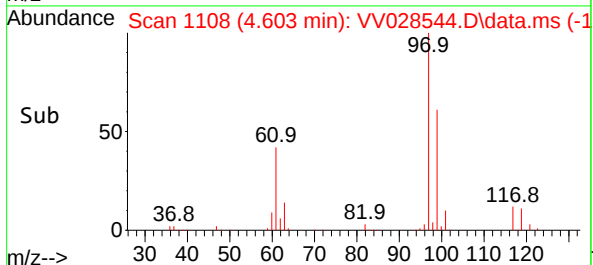
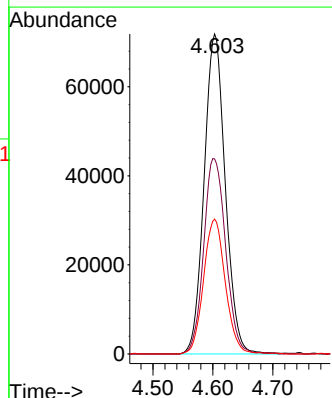
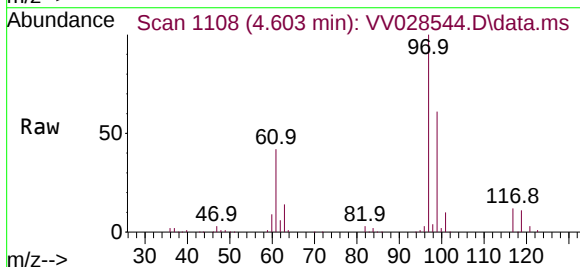
Tgt Ion: 97 Resp: 176813

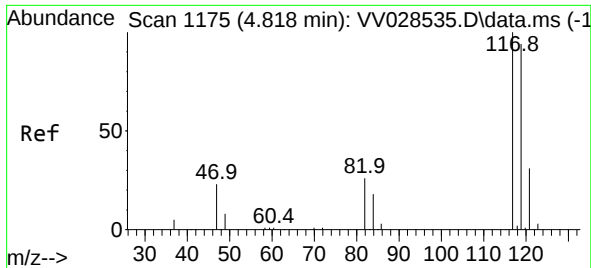
Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.2

61 43.3 35.8 53.6

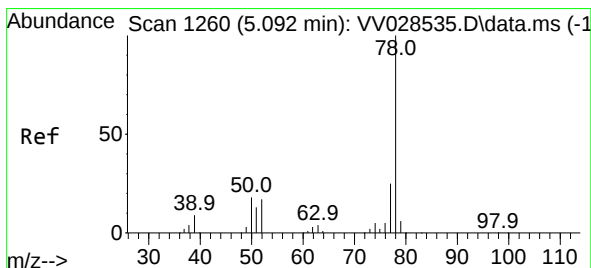
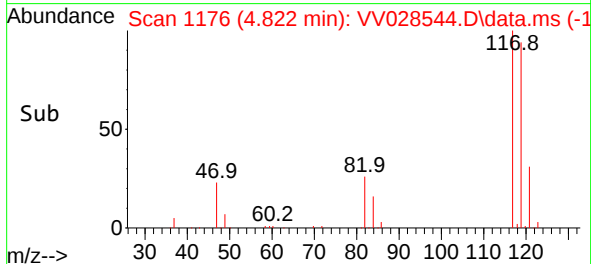
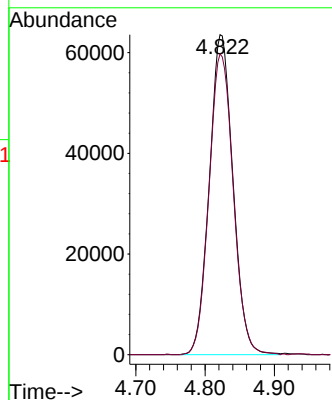
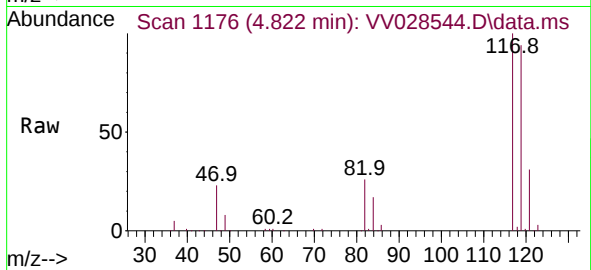




#31
Carbon tetrachloride
Concen: 62.897 ug/L
RT: 4.822 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

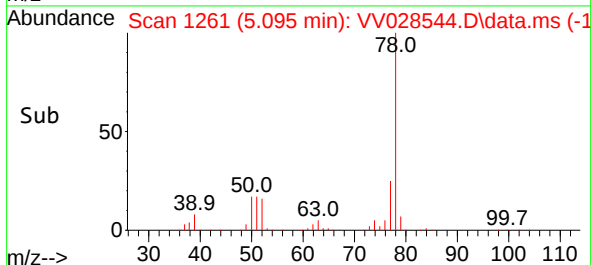
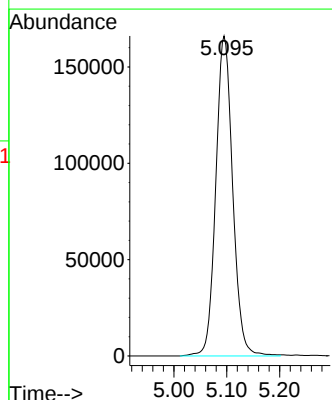
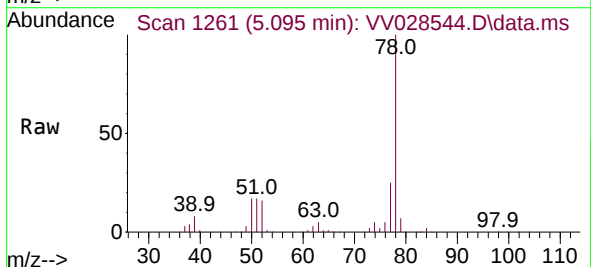
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

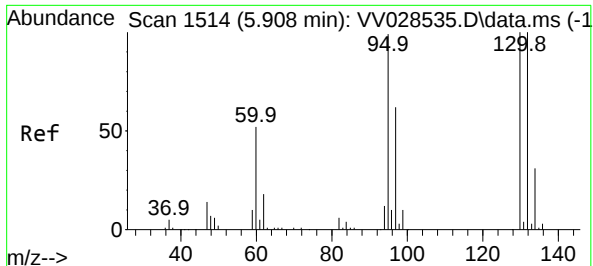
Tgt Ion:117 Resp: 150794
Ion Ratio Lower Upper
117 100
119 96.2 78.0 117.0



#33
Benzene
Concen: 50.654 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion: 78 Resp: 369345

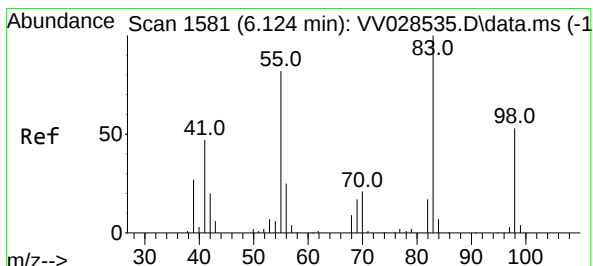
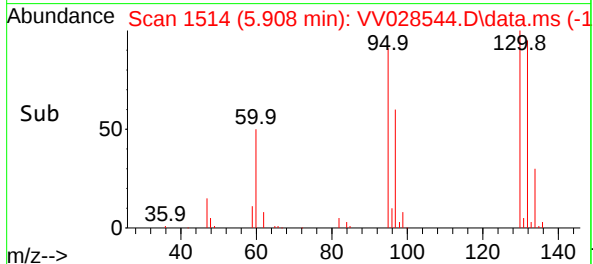
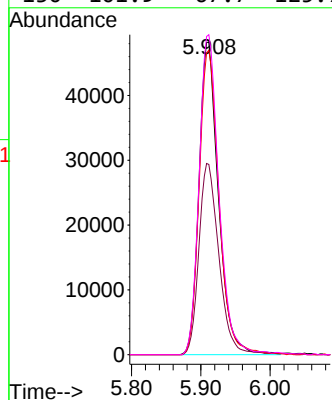
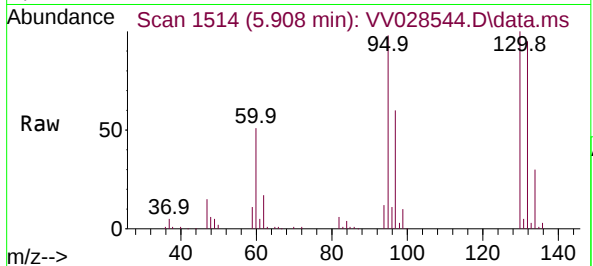




#34
Trichloroethene
Concen: 52.085 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

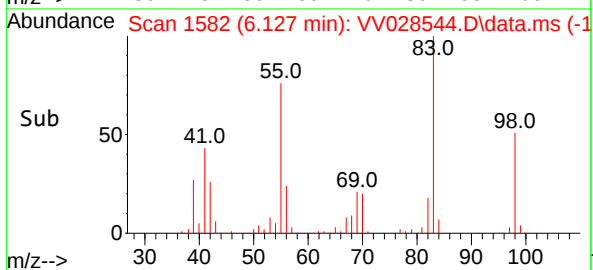
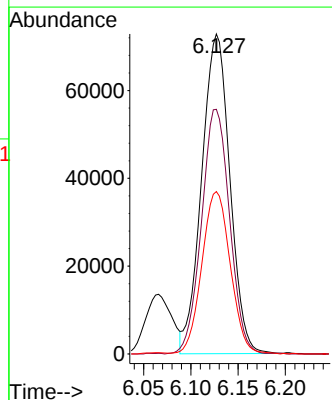
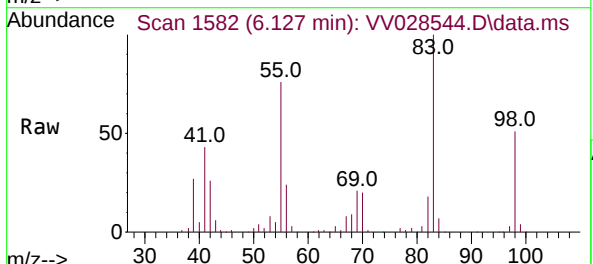
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

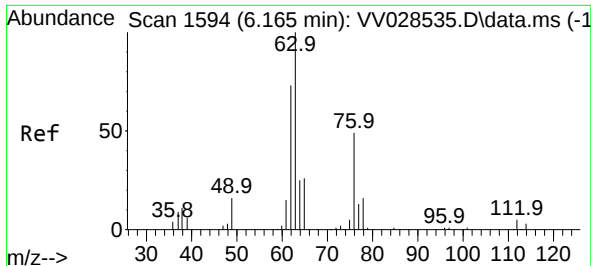
Tgt Ion: 95 Resp: 94214
Ion Ratio Lower Upper
95 100
97 61.2 44.4 82.4
132 96.6 64.3 119.5
130 101.9 67.7 125.7



#35
Methylcyclohexane
Concen: 48.133 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion: 83 Resp: 151365
Ion Ratio Lower Upper
83 100
55 76.3 63.7 95.5
98 51.2 38.2 57.2





#37

1,2-Dichloropropane

Concen: 46.828 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

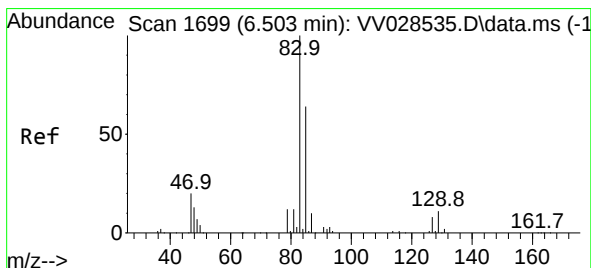
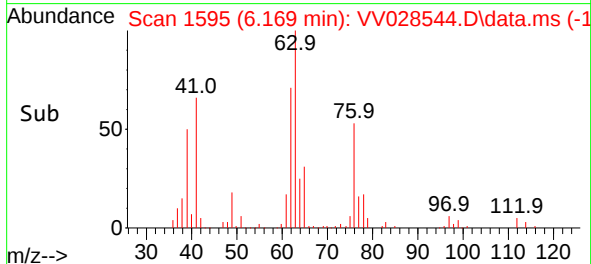
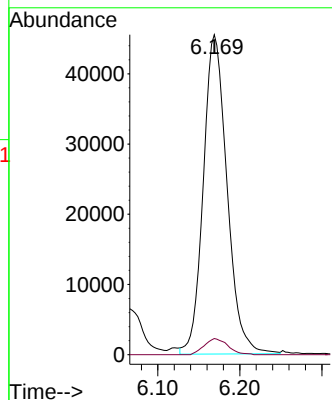
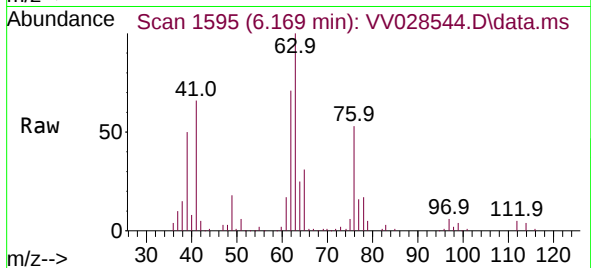
VSTD050362

Tgt Ion: 63 Resp: 91542

Ion Ratio Lower Upper

63 100

112 5.0 3.5 5.3



#38

Bromodichloromethane

Concen: 53.306 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

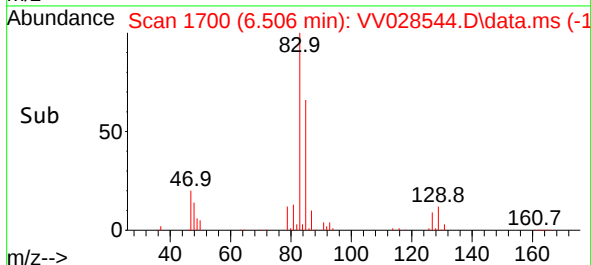
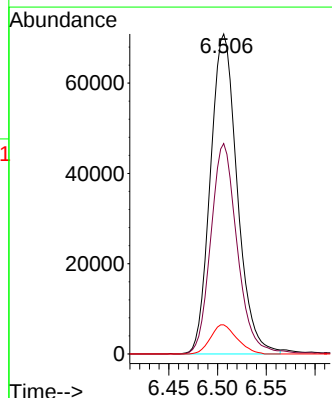
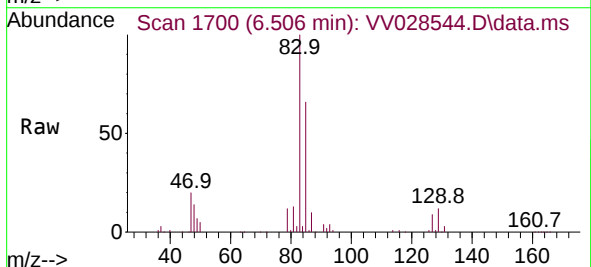
Tgt Ion: 83 Resp: 135761

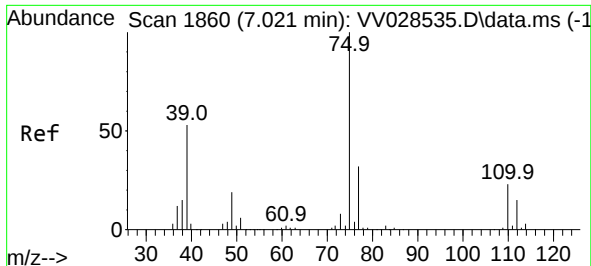
Ion Ratio Lower Upper

83 100

85 65.7 45.1 83.7

127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.699 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

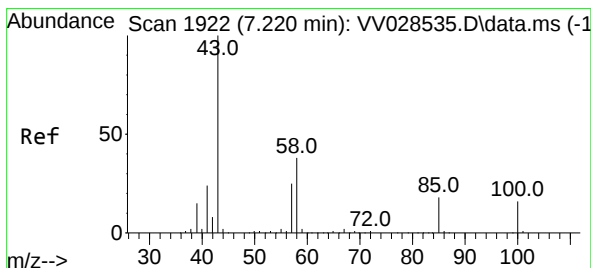
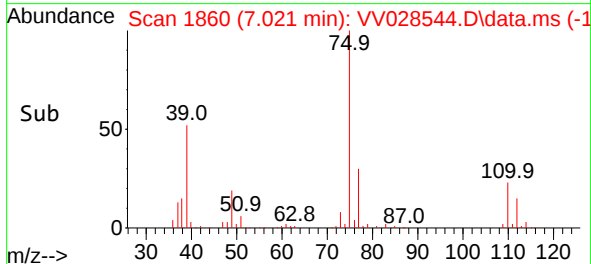
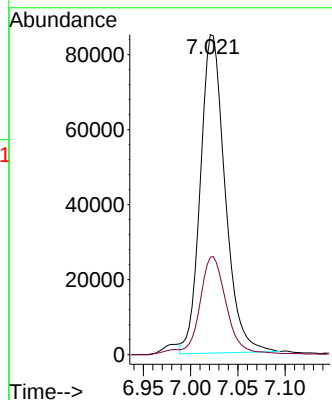
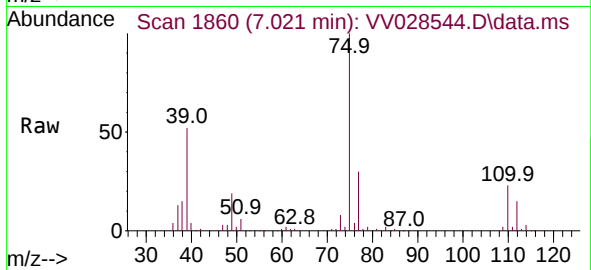
VSTD050362

Tgt Ion: 75 Resp: 154558

Ion Ratio Lower Upper

75 100

77 30.4 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 93.736 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

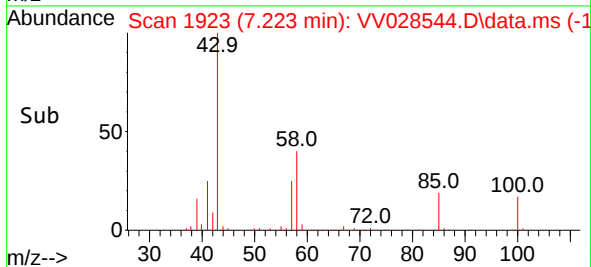
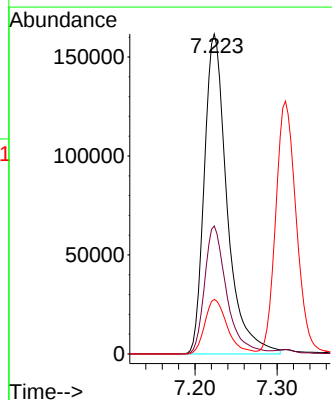
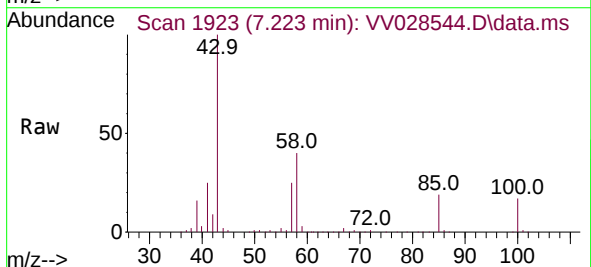
Tgt Ion: 43 Resp: 312517

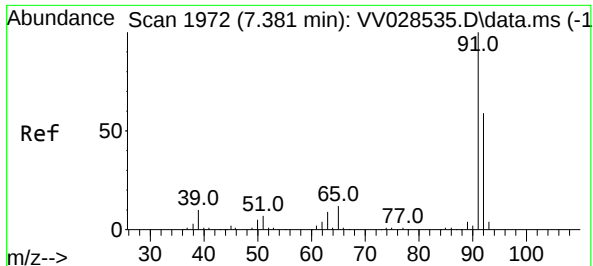
Ion Ratio Lower Upper

43 100

58 38.8 31.3 46.9

100 16.8 11.5 17.3





#42

Toluene

Concen: 53.179 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

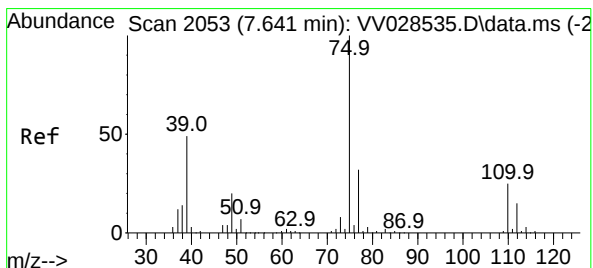
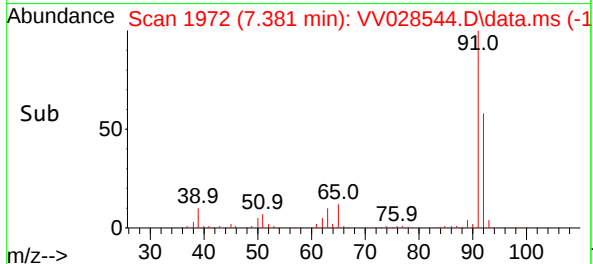
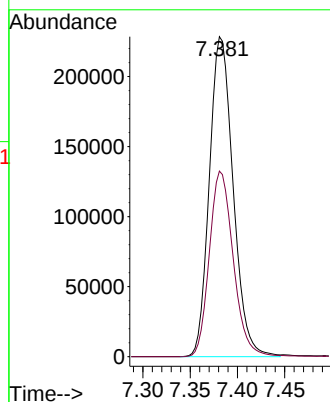
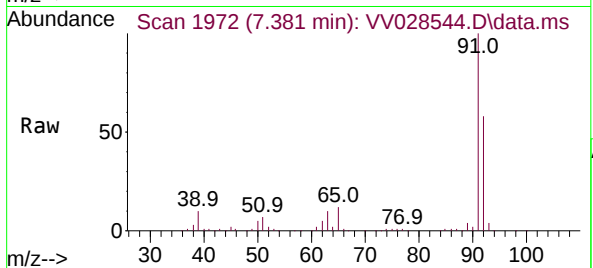
VSTD050362

Tgt Ion: 91 Resp: 399683

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 54.166 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV028544.D

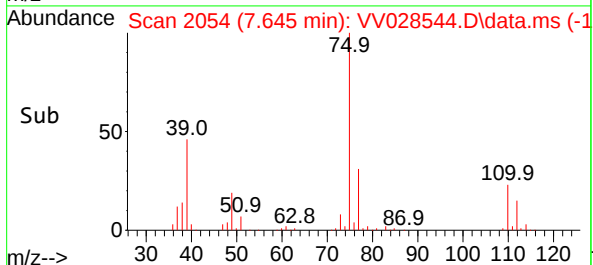
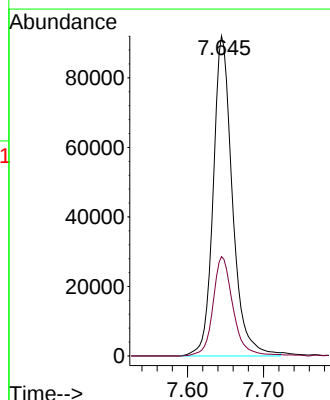
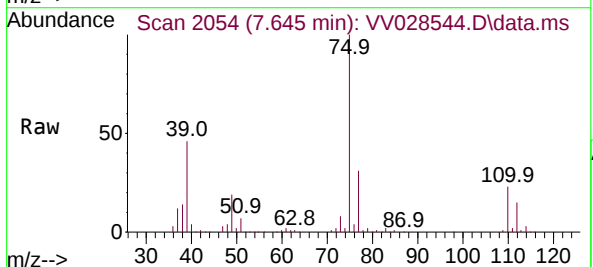
Acq: 13 Oct 2022 18:03

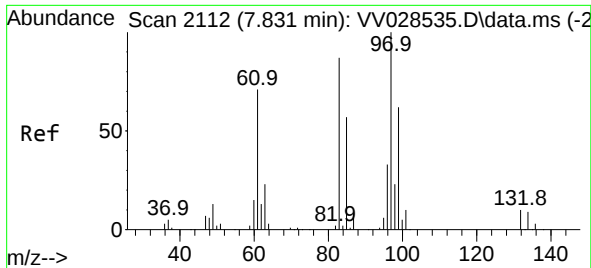
Tgt Ion: 75 Resp: 161669

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

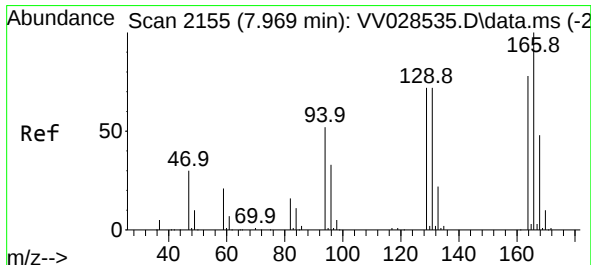
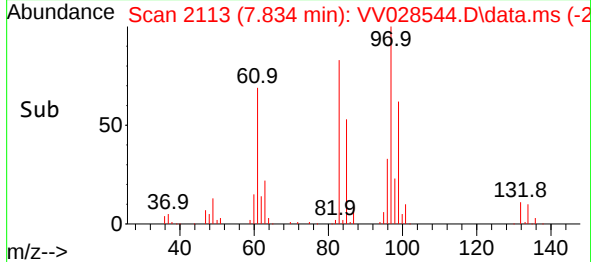
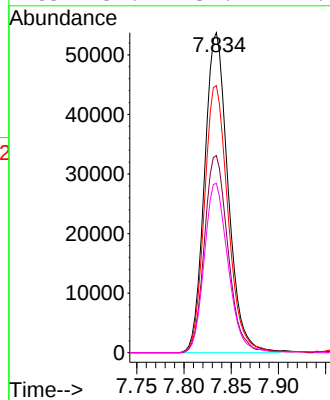
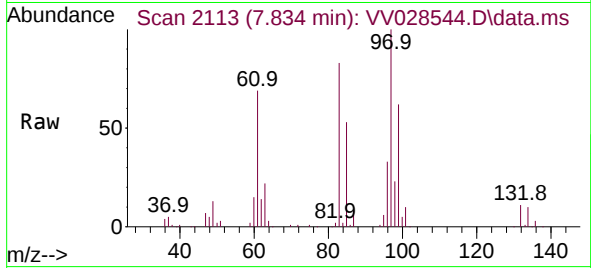




#45
1,1,2-Trichloroethane
Concen: 51.412 ug/L
RT: 7.834 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

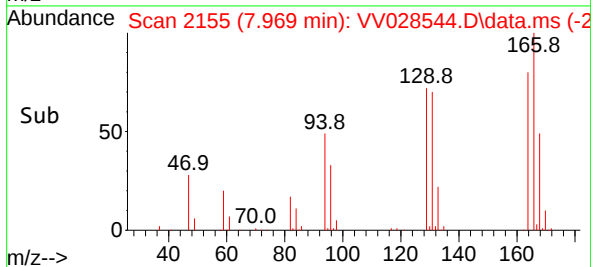
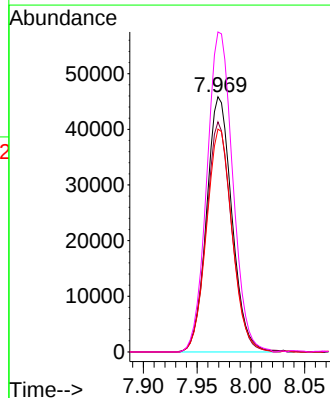
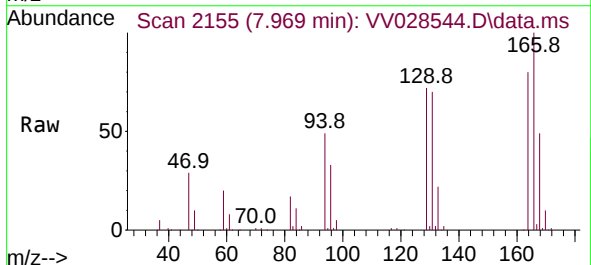
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

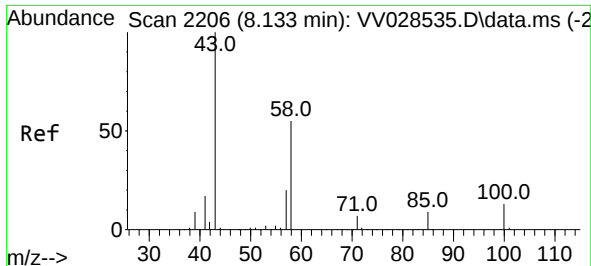
Tgt Ion:	97	Resp:	93088
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.9	81.5
83	83.5	61.9	114.9
85	52.9	39.1	72.5



#46
Tetrachloroethene
Concen: 58.008 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:	164	Resp:	75395
Ion	Ratio	Lower	Upper
164	100		
129	90.2	67.4	125.2
131	87.3	65.2	121.2
166	125.4	88.5	164.4

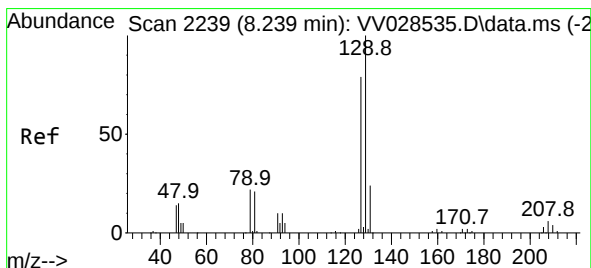
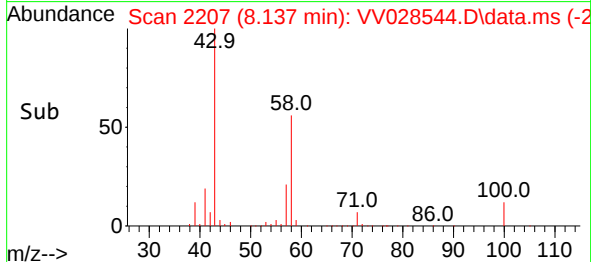
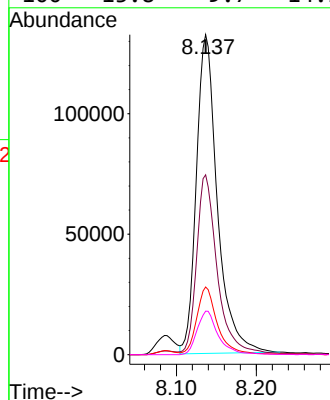
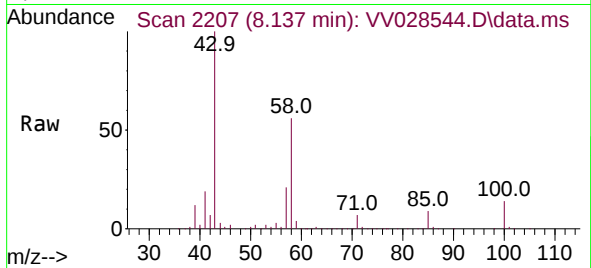




#48
2-Hexanone
Concen: 94.747 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

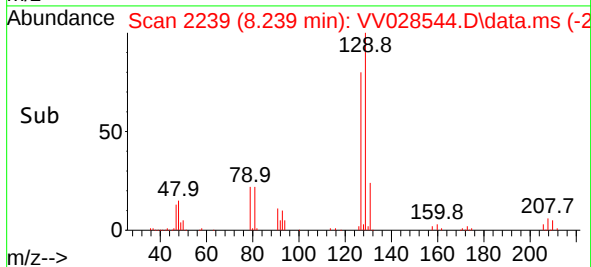
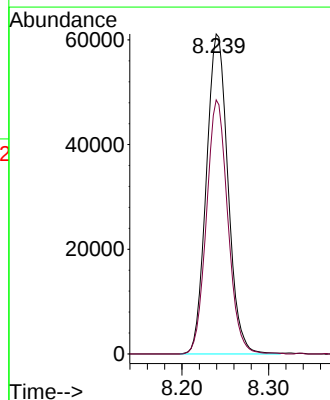
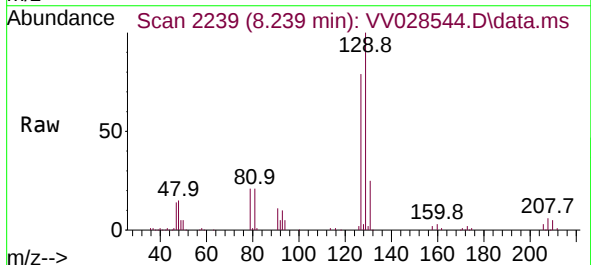
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

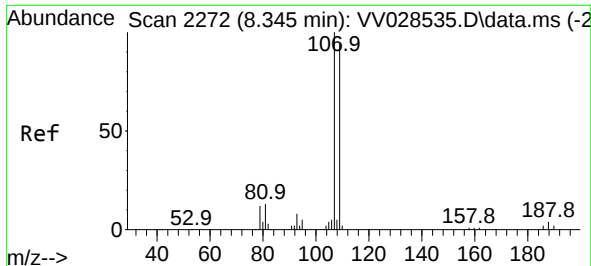
Tgt Ion: 43 Resp: 242504
Ion Ratio Lower Upper
43 100
58 54.7 43.9 65.9
57 20.7 15.1 22.7
100 13.8 9.7 14.5



#49
Dibromochloromethane
Concen: 54.427 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion: 129 Resp: 105928
Ion Ratio Lower Upper
129 100
127 79.4 53.6 99.6

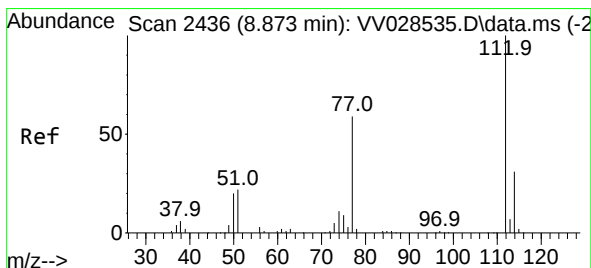
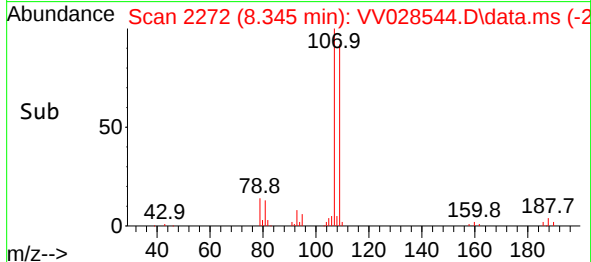
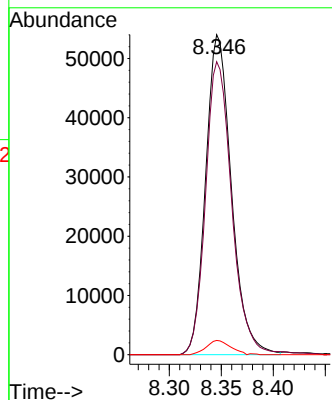
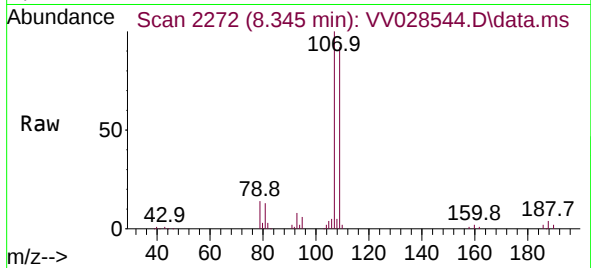




#50
1,2-Dibromoethane
Concen: 49.778 ug/L
RT: 8.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

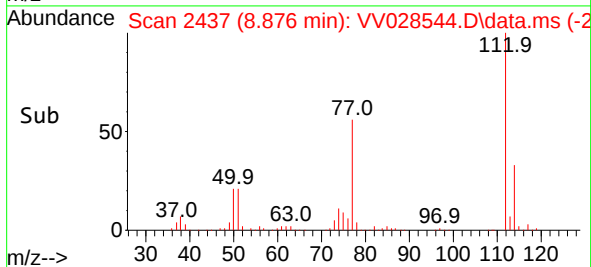
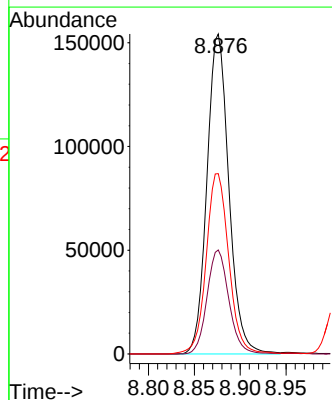
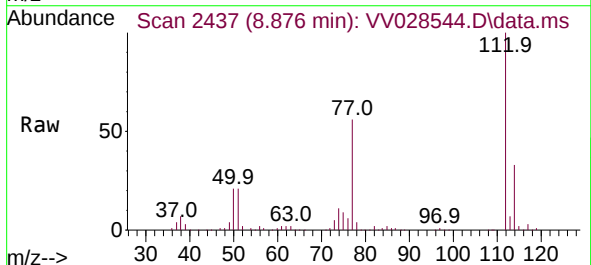
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

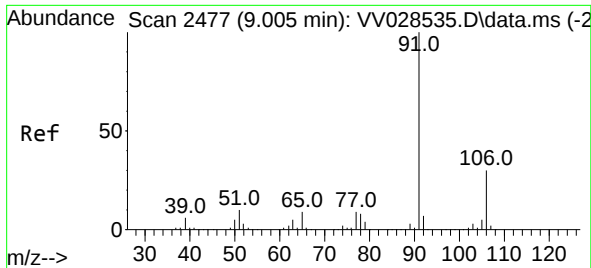
Tgt Ion:107 Resp: 93323
Ion Ratio Lower Upper
107 100
109 91.6 65.9 122.5
188 4.5 3.0 4.4#



#51
Chlorobenzene
Concen: 54.369 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:112 Resp: 256373
Ion Ratio Lower Upper
112 100
114 32.5 21.7 40.3
77 56.3 48.7 73.1

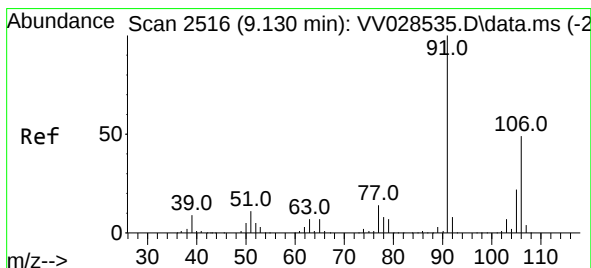
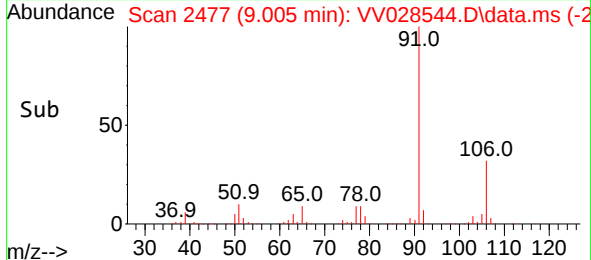
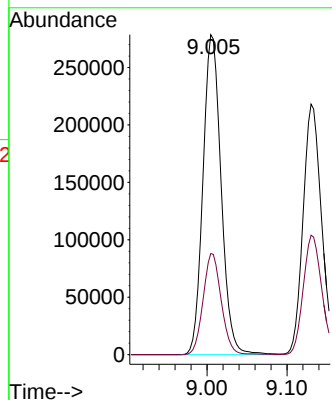
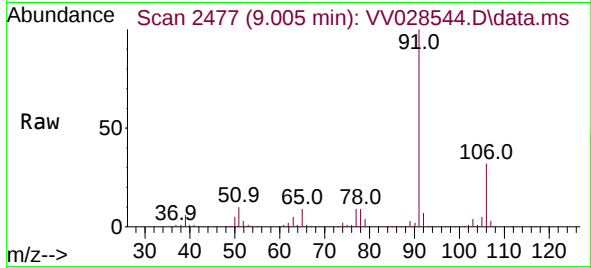




#52
Ethylbenzene
Concen: 53.861 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

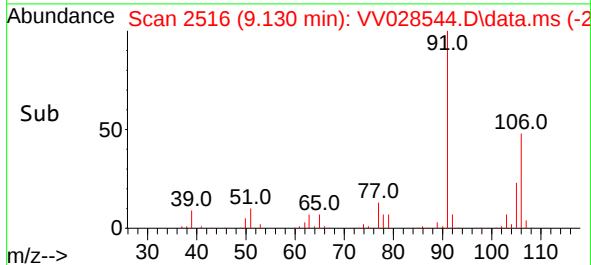
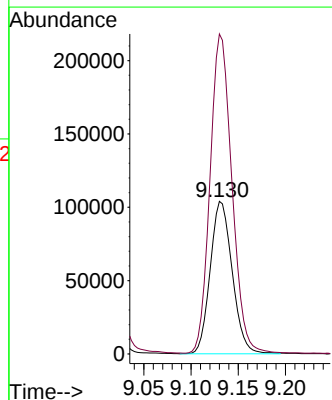
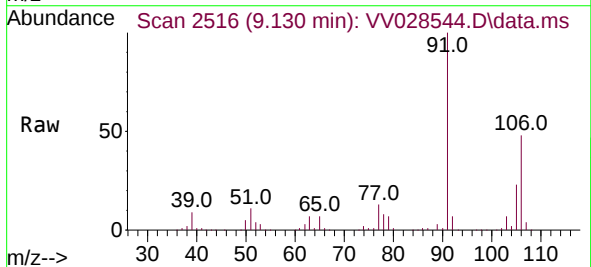
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

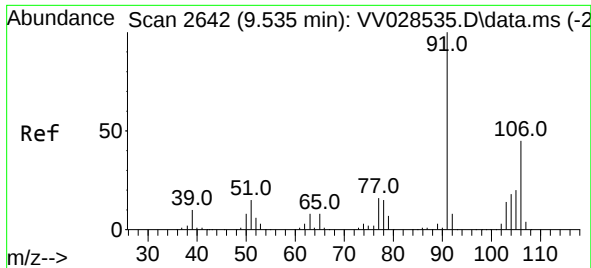
Tgt Ion: 91 Resp: 441215
Ion Ratio Lower Upper
91 100
106 31.6 21.4 39.8



#53
m,p-Xylene
Concen: 54.089 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:106 Resp: 167942
Ion Ratio Lower Upper
106 100
91 209.7 145.2 269.6

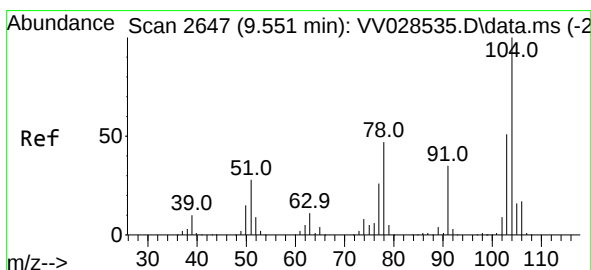
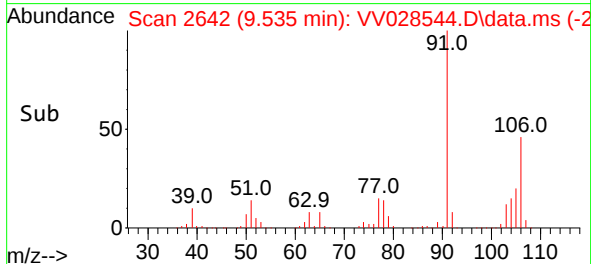
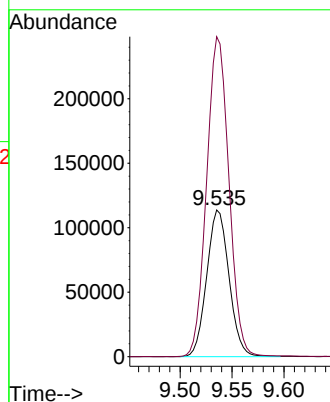
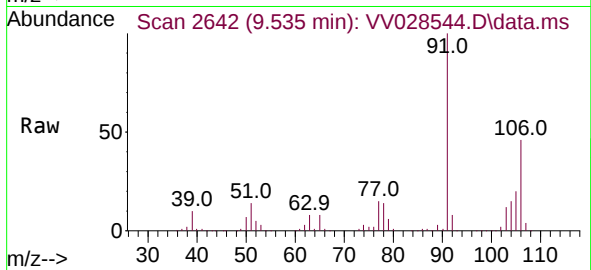




#54
o-Xylene
Concen: 54.554 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

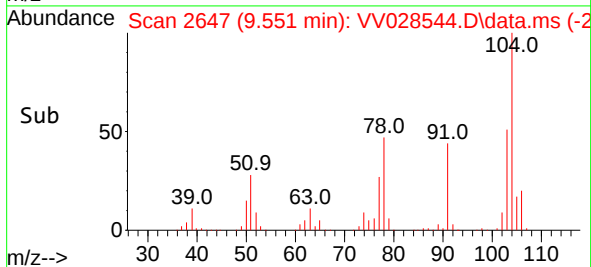
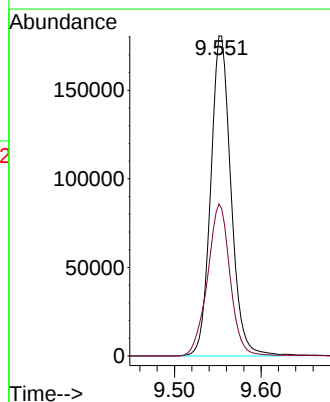
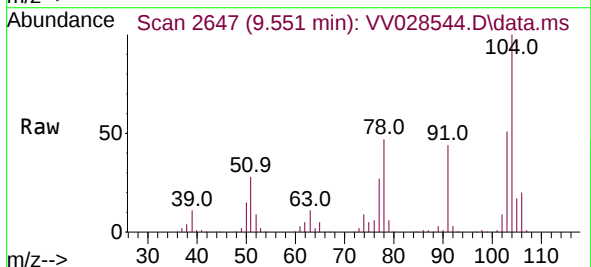
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

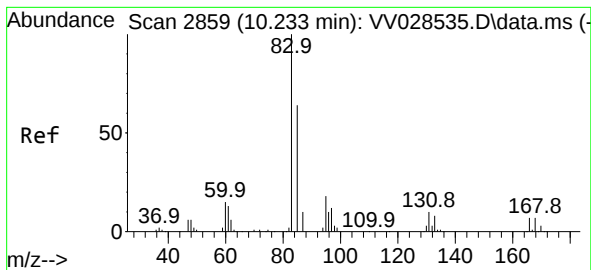
Tgt Ion:106 Resp: 169603
Ion Ratio Lower Upper
106 100
91 218.1 152.5 283.3



#55
Styrene
Concen: 55.138 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:104 Resp: 294379
Ion Ratio Lower Upper
104 100
78 47.5 31.9 59.2

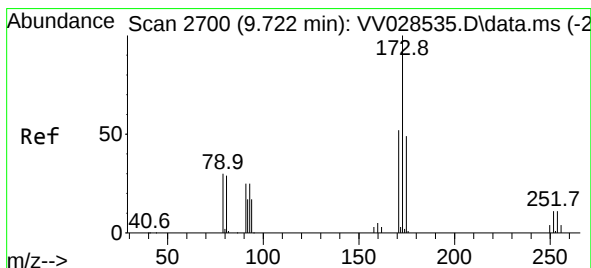
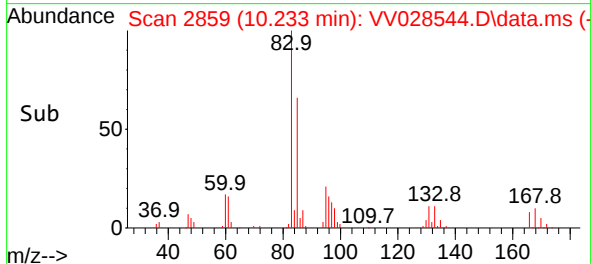
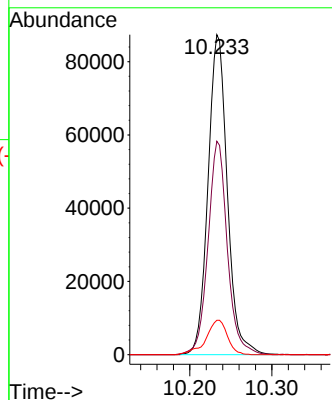
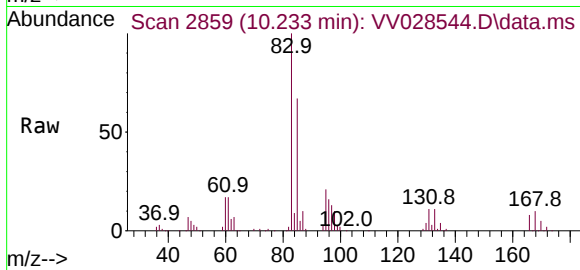




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.021 ug/L
 RT: 10.233 min Scan# 2859
 Delta R.T. 0.000 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

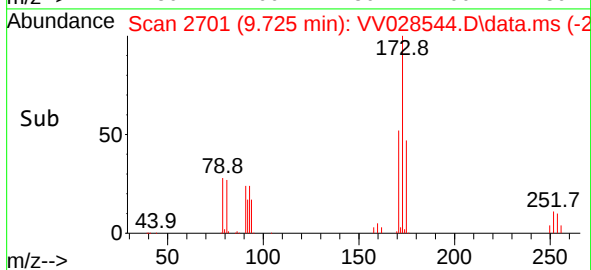
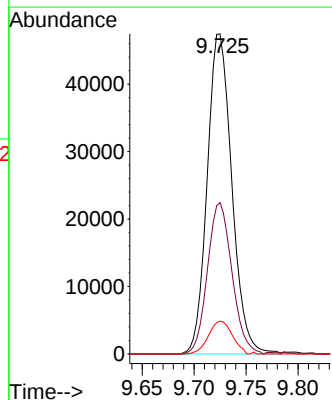
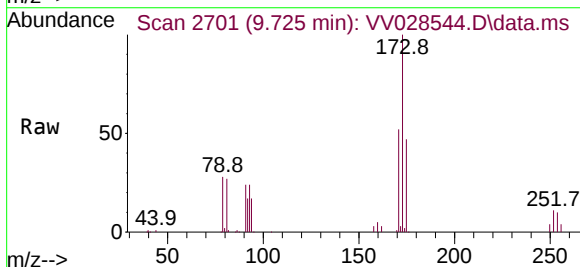
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

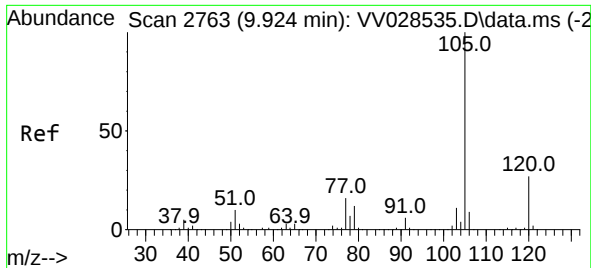
Tgt Ion: 83 Resp: 142702
 Ion Ratio Lower Upper
 83 100
 85 66.7 44.8 83.2
 131 10.8 7.2 10.8



#59
 Bromoform
 Concen: 50.185 ug/L
 RT: 9.725 min Scan# 2701
 Delta R.T. 0.003 min
 Lab File: VV028544.D
 Acq: 13 Oct 2022 18:03

Tgt Ion: 173 Resp: 78268
 Ion Ratio Lower Upper
 173 100
 175 46.9 38.6 57.8
 254 9.9 8.4 12.6

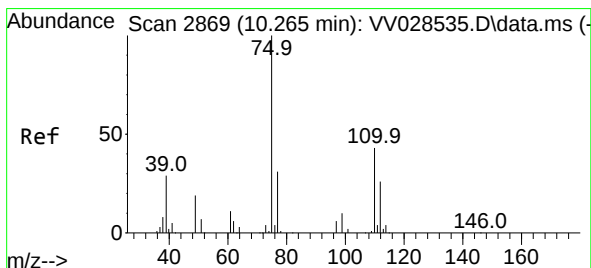
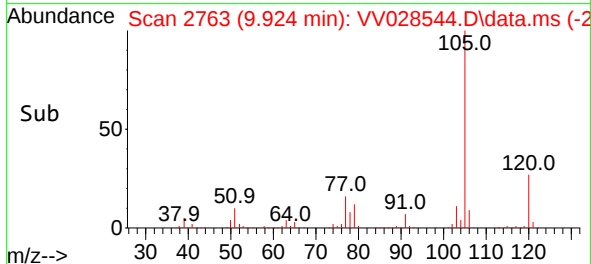
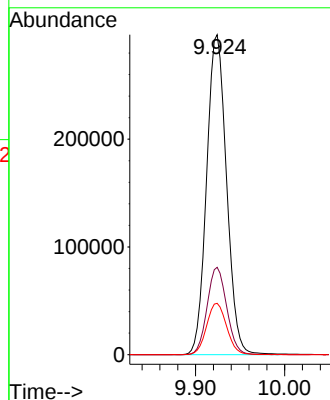
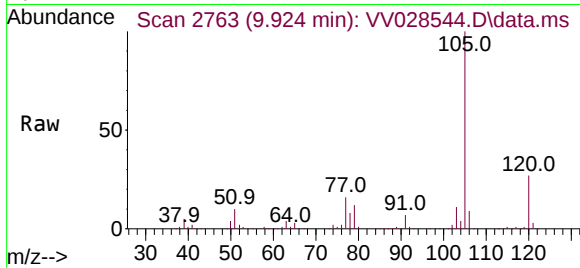




#60
Isopropylbenzene
Concen: 50.820 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

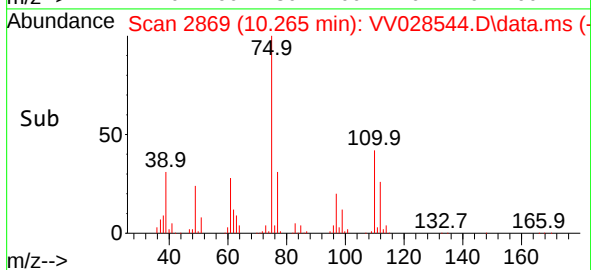
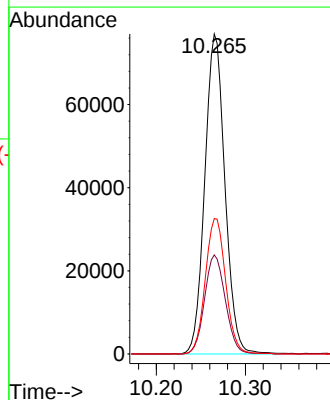
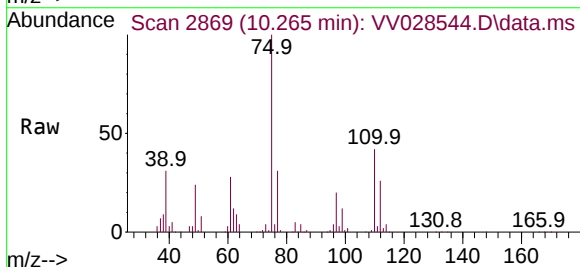
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

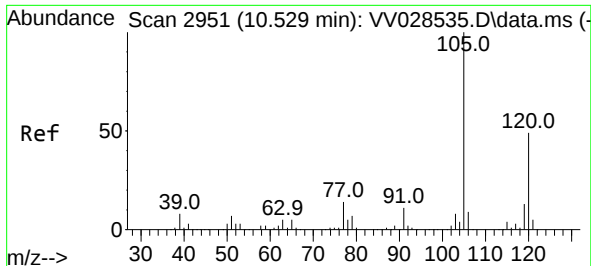
Tgt Ion:105 Resp: 461196
Ion Ratio Lower Upper
105 100
120 26.9 20.5 30.7
77 16.2 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 44.995 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion: 75 Resp: 120638
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5
110 42.8 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 51.407 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

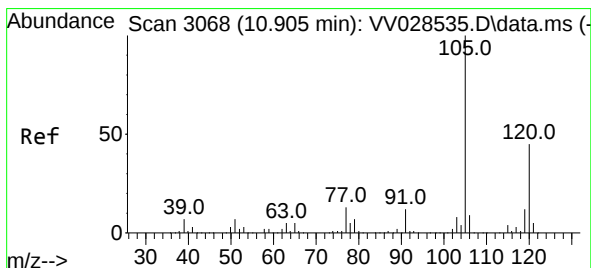
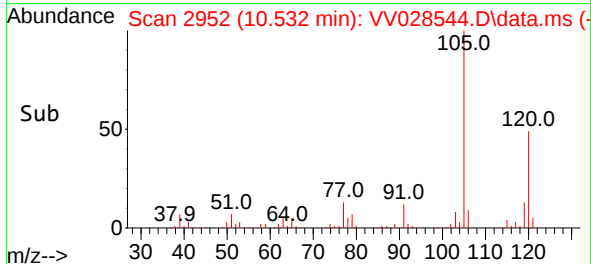
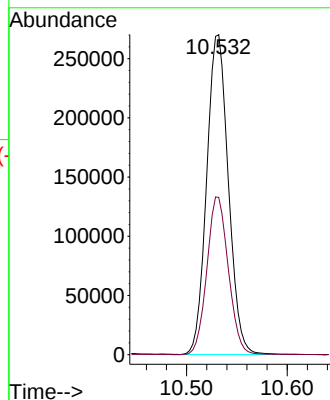
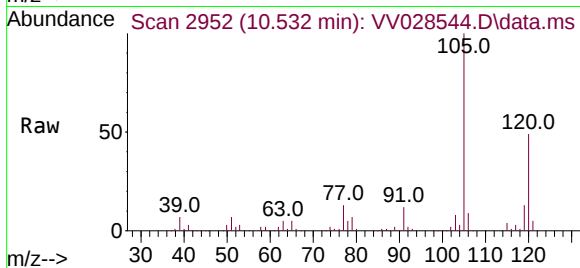
VSTD050362

Tgt Ion:105 Resp: 404053

Ion Ratio Lower Upper

105 100

120 49.0 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 51.189 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV028544.D

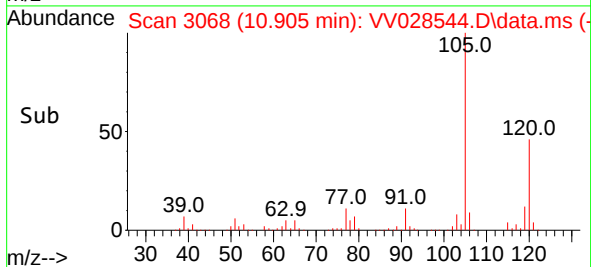
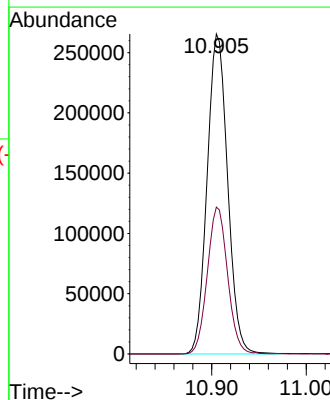
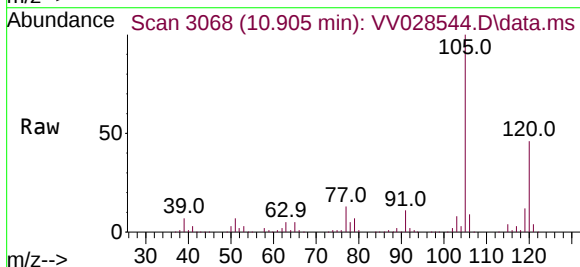
Acq: 13 Oct 2022 18:03

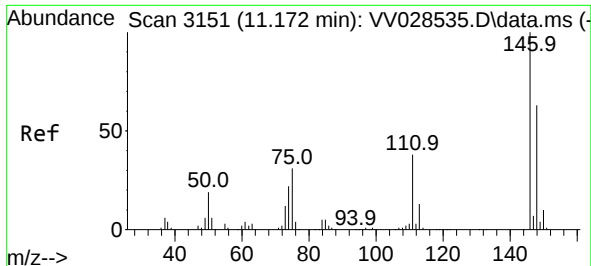
Tgt Ion:105 Resp: 399359

Ion Ratio Lower Upper

105 100

120 45.3 35.9 53.9

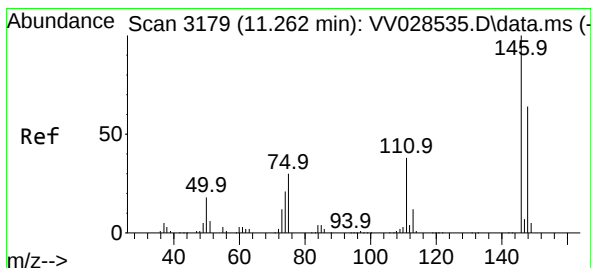
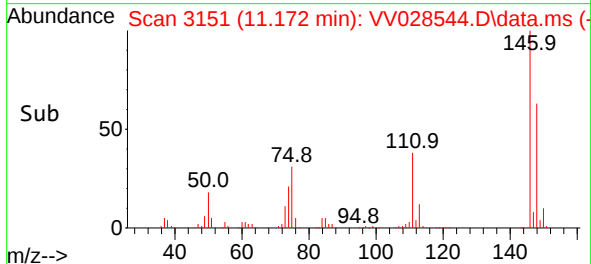
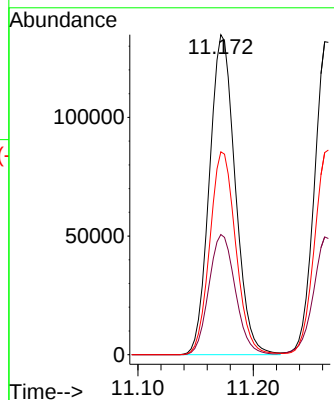
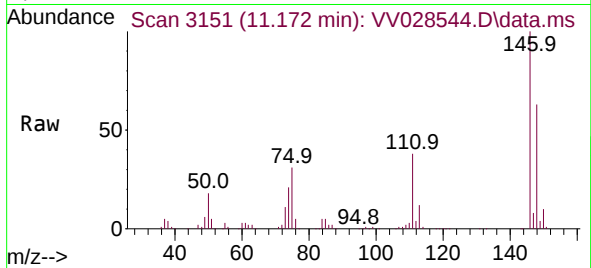




#64
1,3-Dichlorobenzene
Concen: 52.782 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

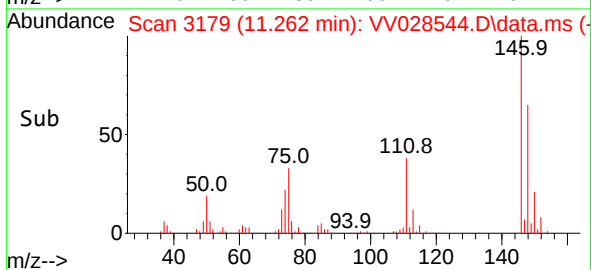
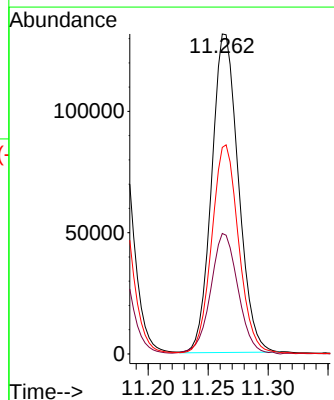
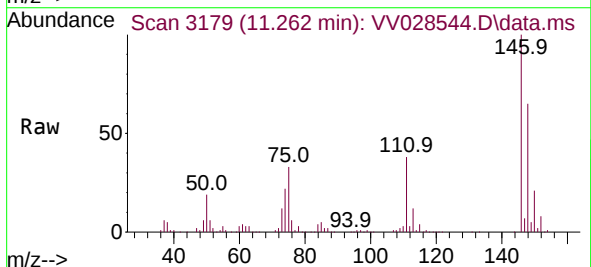
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

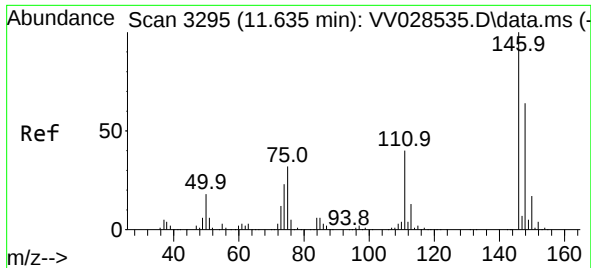
Tgt Ion:146 Resp: 209510
Ion Ratio Lower Upper
146 100
111 37.5 29.0 53.9
148 63.4 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 51.422 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:146 Resp: 203668
Ion Ratio Lower Upper
146 100
111 37.6 26.6 49.4
148 64.6 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 53.048 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

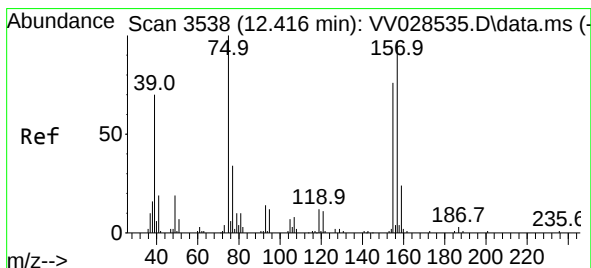
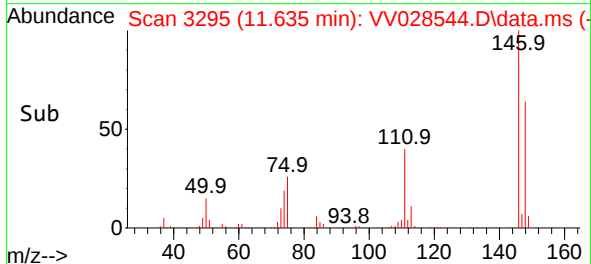
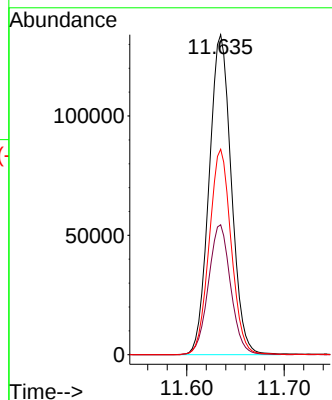
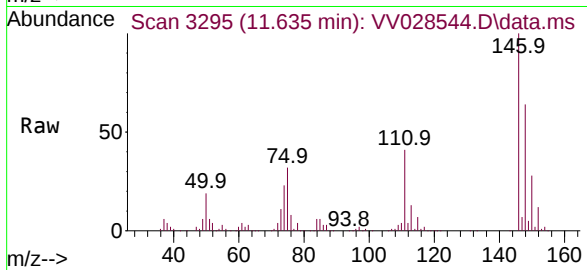
Tgt Ion:146 Resp: 212517

Ion Ratio Lower Upper

146 100

111 40.6 33.9 50.9

148 64.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 46.999 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

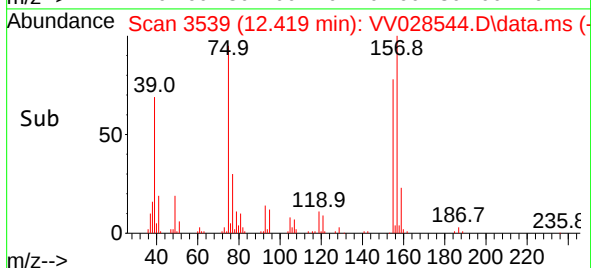
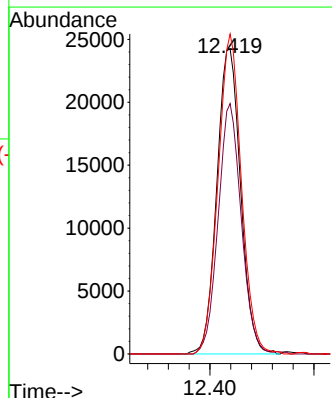
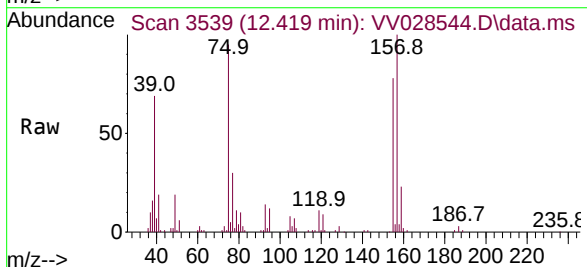
Tgt Ion: 75 Resp: 38562

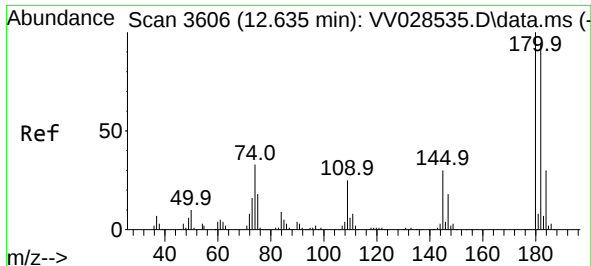
Ion Ratio Lower Upper

75 100

155 82.1 65.0 97.6

157 104.9 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 53.948 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028544.D

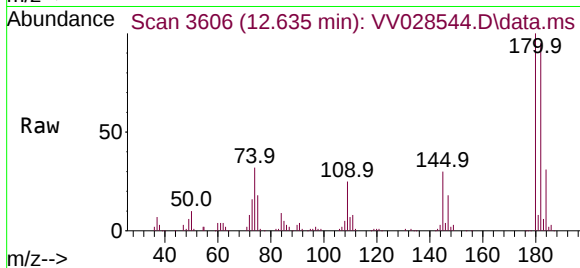
Acq: 13 Oct 2022 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362



Tgt Ion:180 Resp: 162638

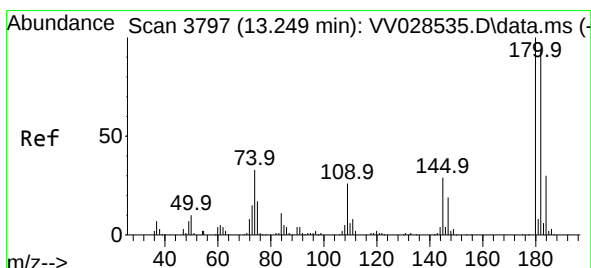
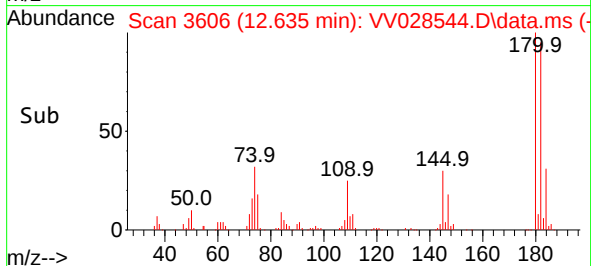
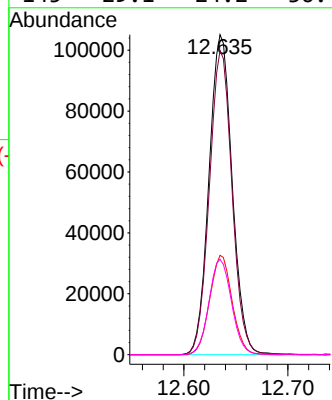
Ion Ratio Lower Upper

180 100

182 93.1 75.9 113.9

184 30.0 24.0 36.0

145 29.1 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 53.459 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV028544.D

Acq: 13 Oct 2022 18:03

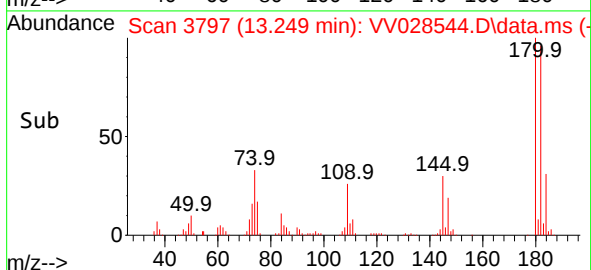
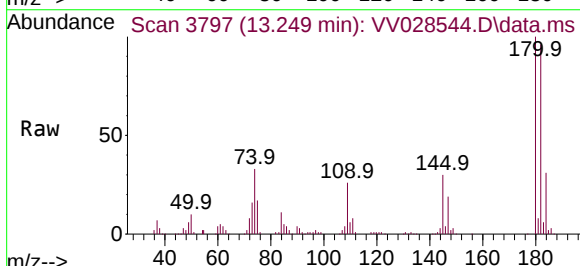
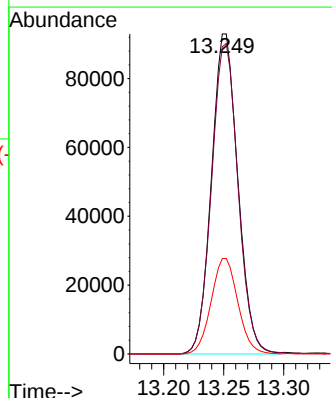
Tgt Ion:180 Resp: 142052

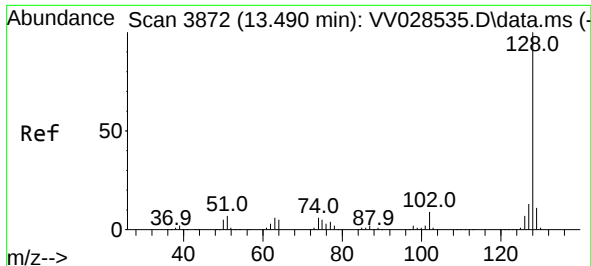
Ion Ratio Lower Upper

180 100

182 97.4 75.3 112.9

145 30.2 24.3 36.5

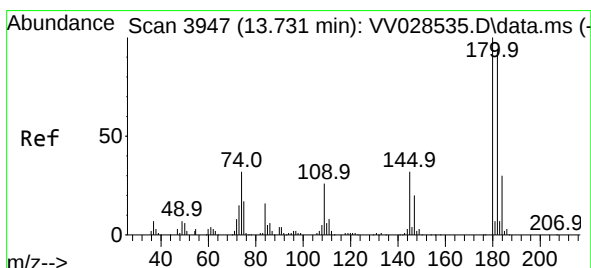
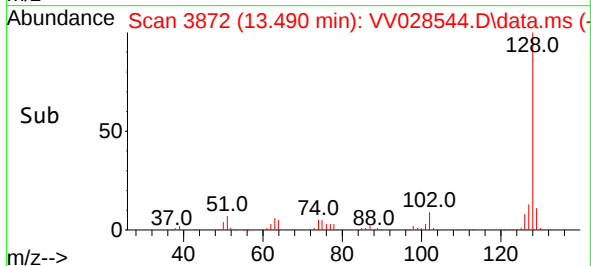
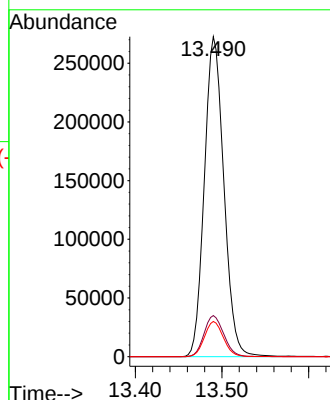
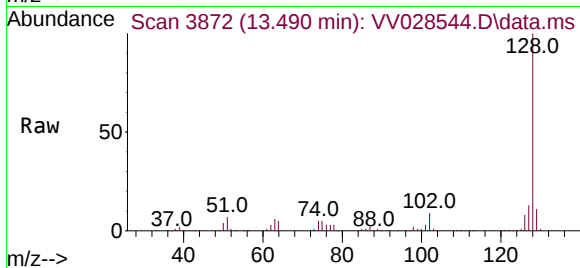




#71
Naphthalene
Concen: 51.607 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

Tgt Ion:	128	Resp:	426525
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 56.011 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV028544.D
Acq: 13 Oct 2022 18:03

Tgt Ion:	180	Resp:	145106
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.4	113.0
145	32.6	26.5	39.7

