

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100822\
 Data File : VW028488.D
 Acq On : 09 Oct 2022 16:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Quant Time: Oct 10 05:28:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 10 05:21:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	342598	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	313321	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	158905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	132467	50.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.220%	
7) Chloroethane-d5	1.564	69	99658	47.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 95.080%	
11) 1,1-Dichloroethene-d2	2.105	63	215283	47.851	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 95.700%	
21) 2-Butanone-d5	3.899	46	231439	100.011	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 100.010%	
24) Chloroform-d	4.342	84	255775	52.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.520%	
26) 1,2-Dichloroethane-d4	5.027	65	170854	54.642	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.280%	
32) Benzene-d6	5.043	84	518606	51.655	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.300%	
36) 1,2-Dichloropropane-d6	6.063	67	160467	49.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 98.040%	
41) Toluene-d8	7.310	98	463219	51.533	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 103.060%	
43) trans-1,3-Dichloroprop...	7.616	79	86753	51.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.000%	
47) 2-Hexanone-d5	8.085	63	171691	96.419	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 96.420%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	213983	47.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 95.540%	
66) 1,2-Dichlorobenzene-d4	11.615	152	173169	52.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	125646	48.709	ug/L	99
3) Chloromethane	1.240	50	120805	41.600	ug/L	99
5) Vinyl chloride	1.307	62	121488	41.687	ug/L	100
6) Bromomethane	1.519	94	60188	45.294	ug/L	98
8) Chloroethane	1.584	64	93277	52.726	ug/L	93
9) Trichlorofluoromethane	1.751	101	181514	50.398	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	94525	46.308	ug/L	95
12) 1,1-Dichloroethene	2.114	96	93591	46.705	ug/L	96
13) Acetone	2.195	43	145996	81.443	ug/L	75
14) Carbon disulfide	2.288	76	311352	48.584	ug/L	99
15) Methyl Acetate	2.436	43	158651	52.418	ug/L	97
16) Methylene chloride	2.503	84	136471	52.406	ug/L	95
17) trans-1,2-Dichloroethene	2.754	96	118344	50.632	ug/L	93
18) Methyl tert-butyl Ether	2.764	73	466499	54.292	ug/L	99
19) 1,1-Dichloroethane	3.185	63	235502	49.323	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	139087	52.235	ug/L	95
22) 2-Butanone	3.982	43	227805	96.397	ug/L	94
23) Bromochloromethane	4.243	128	71248	55.060	ug/L	92
25) Chloroform	4.368	83	240814	51.662	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100822\
 Data File : VW028488.D
 Acq On : 09 Oct 2022 16:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

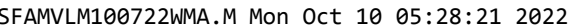
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

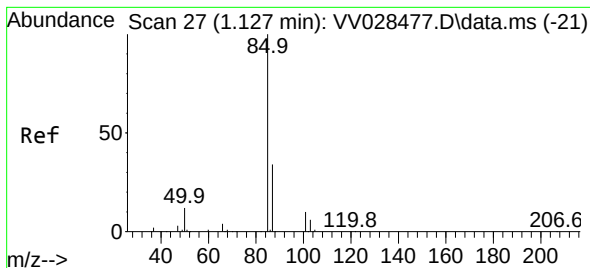
Quant Time: Oct 10 05:28:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 10 05:21:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	193962	54.309	ug/L	100
29) Cyclohexane	4.670	56	206455	45.811	ug/L	94
30) 1,1,1-Trichloroethane	4.603	97	211439	52.238	ug/L	99
31) Carbon tetrachloride	4.822	117	178916	52.805	ug/L	99
33) Benzene	5.095	78	520192	50.480	ug/L	100
34) Trichloroethene	5.908	95	125272	49.004	ug/L	96
35) Methylcyclohexane	6.127	83	207365	46.658	ug/L	97
37) 1,2-Dichloropropane	6.169	63	137903	49.916	ug/L	100
38) Bromodichloromethane	6.503	83	186470	51.807	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	216946	49.361	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	455773	96.729	ug/L	98
42) Toluene	7.381	91	535205	50.388	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	217392	51.537	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	132794	51.895	ug/L	96
46) Tetrachloroethene	7.969	164	95879	52.197	ug/L	97
48) 2-Hexanone	8.137	43	346998	95.929	ug/L	99
49) Dibromochloromethane	8.239	129	145488	52.894	ug/L	99
50) 1,2-Dibromoethane	8.345	107	134411	50.729	ug/L	100
51) Chlorobenzene	8.876	112	337435	50.635	ug/L	97
52) Ethylbenzene	9.005	91	575788	49.736	ug/L	99
53) m,p-Xylene	9.130	106	221505	50.479	ug/L	96
54) o-Xylene	9.535	106	222443	50.628	ug/L	99
55) Styrene	9.554	104	377720	50.060	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	214669	48.986	ug/L	100
59) Bromoform	9.725	173	102533	52.105	ug/L	99
60) Isopropylbenzene	9.924	105	585582	51.140	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	169601	50.135	ug/L	98
62) 1,3,5-Trimethylbenzene	10.532	105	510577	51.484	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	502076	51.005	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	262251	52.364	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	258194	51.666	ug/L	98
67) 1,2-Dichlorobenzene	11.635	146	264275	52.283	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	53630	51.805	ug/L	98
69) 1,3,5-Trichlorobenzene	12.635	180	200394	52.682	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	183024	54.590	ug/L	99
71) Naphthalene	13.490	128	628769	60.296	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	187041	57.220	ug/L	99

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

Quant Time: Oct 10 05:28:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 10 05:21:45 2022
Response via : Initial Calibration

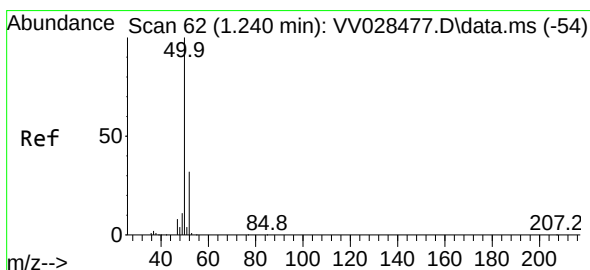
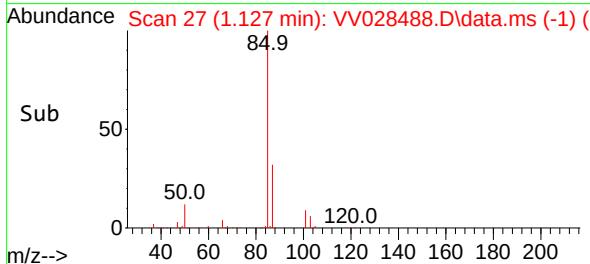
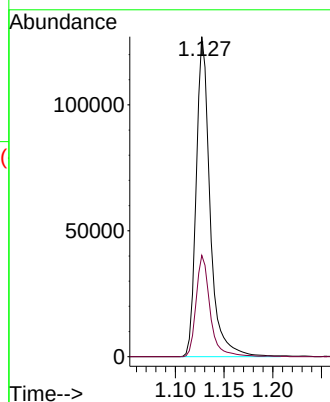
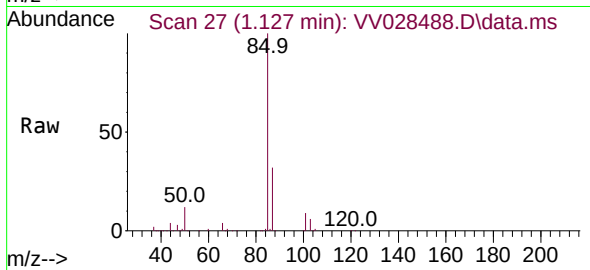




#2
 Dichlorodifluoromethane
 Concen: 48.709 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

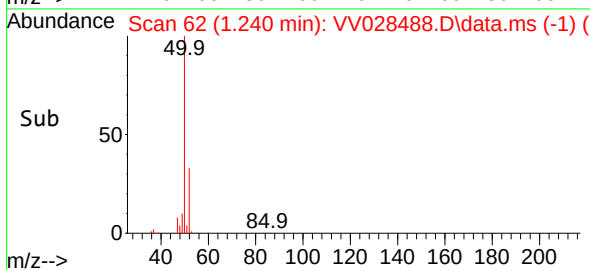
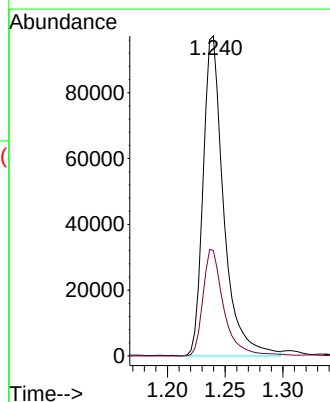
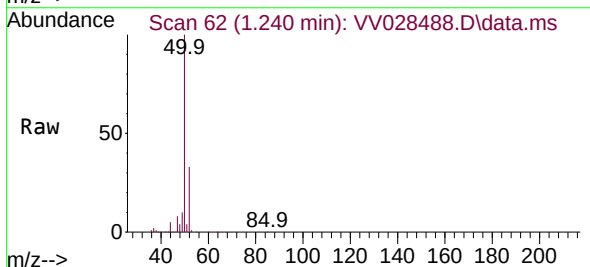
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

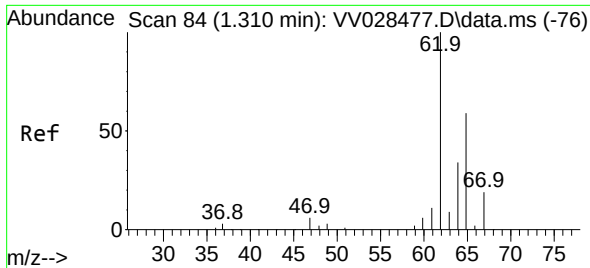
Tgt Ion: 85 Resp: 125646
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 41.600 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

Tgt Ion: 50 Resp: 120805
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.7 42.3

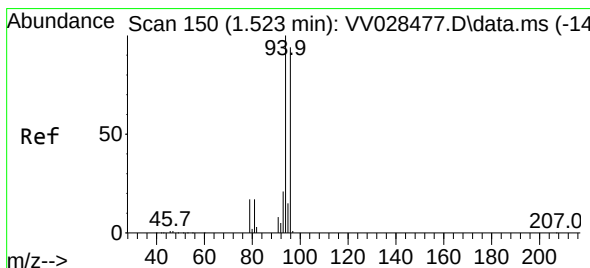
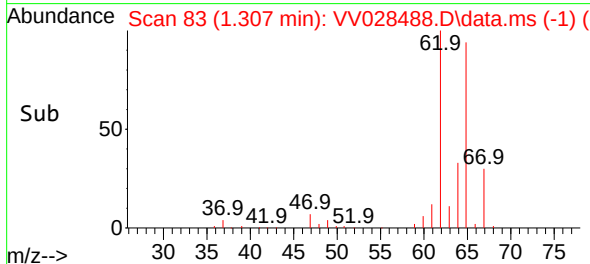
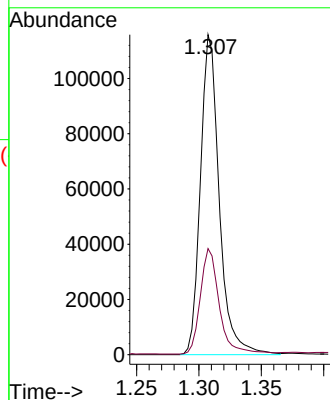
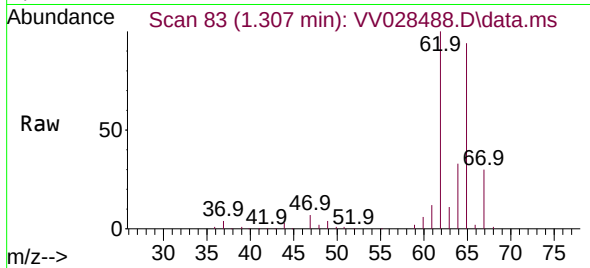




#5
 Vinyl chloride
 Concen: 41.687 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

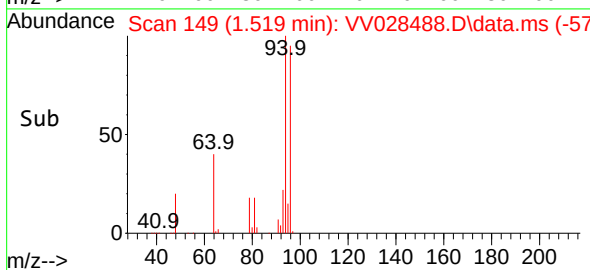
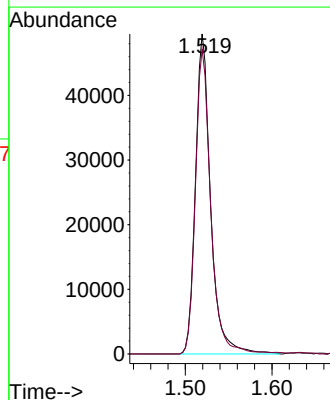
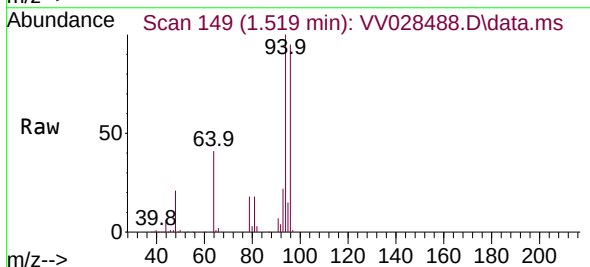
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

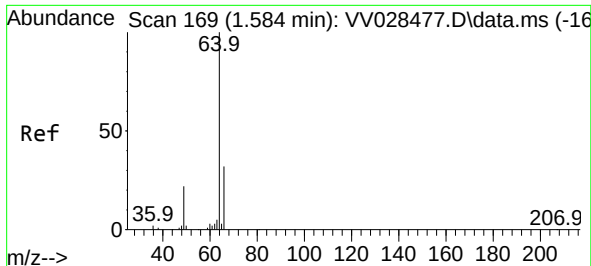
Tgt Ion: 62 Resp: 121488
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.3 43.3



#6
 Bromomethane
 Concen: 45.294 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

Tgt Ion: 94 Resp: 60188
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.5 121.6

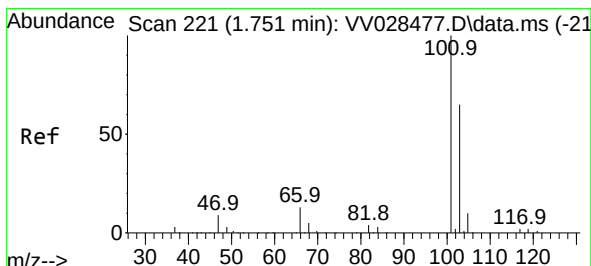
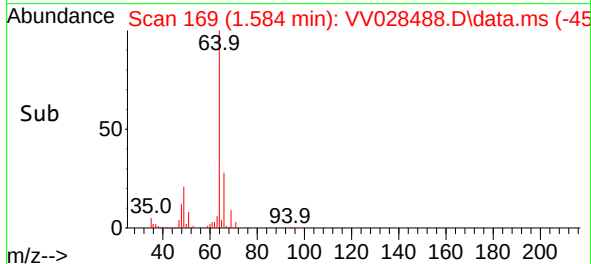
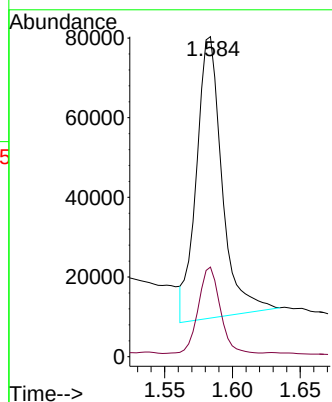
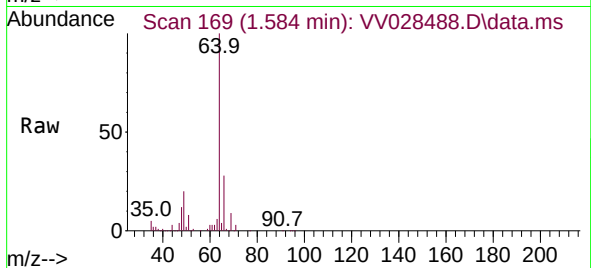




#8
Chloroethane
Concen: 52.726 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

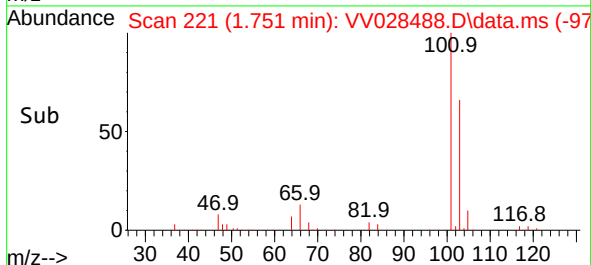
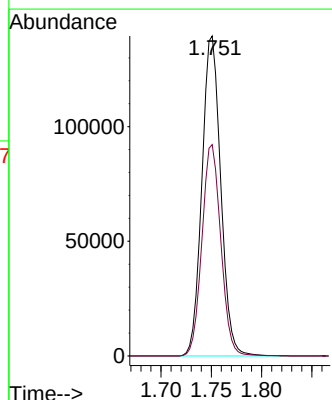
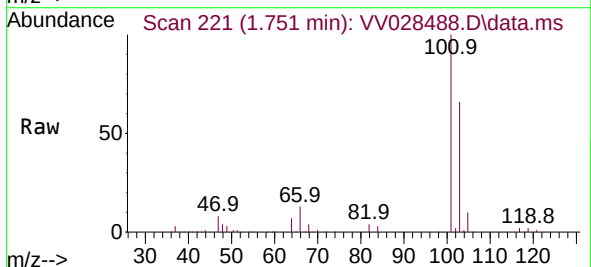
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

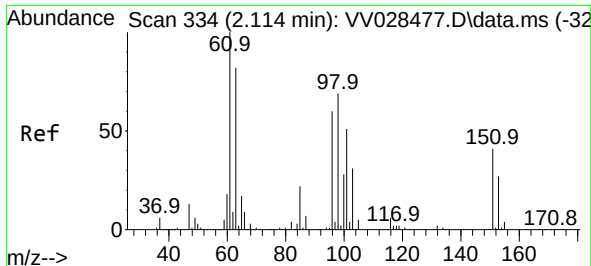
Tgt Ion: 64 Resp: 93277
Ion Ratio Lower Upper
64 100
66 28.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 50.398 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion:101 Resp: 181514
Ion Ratio Lower Upper
101 100
103 66.2 50.7 76.1

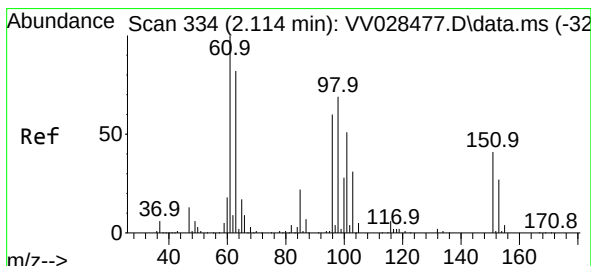
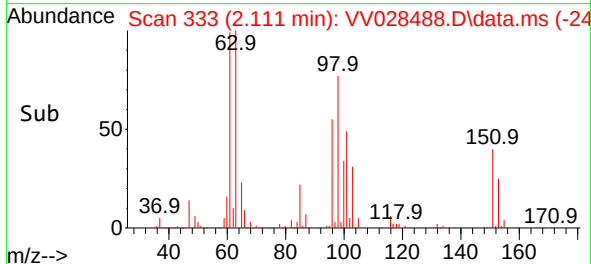
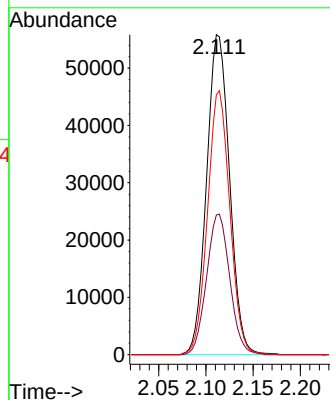
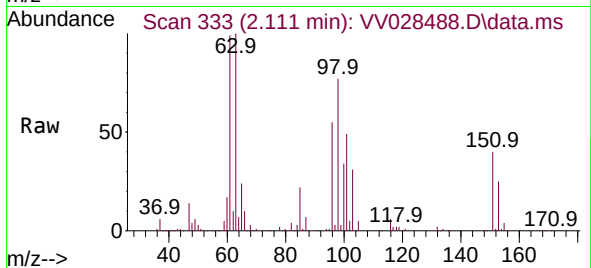




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.308 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

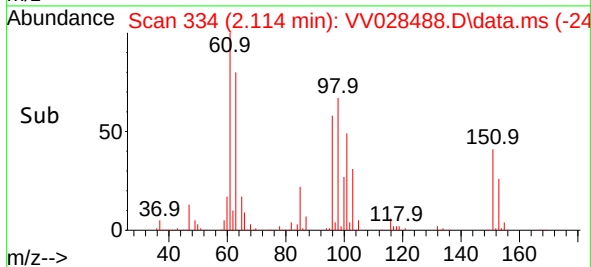
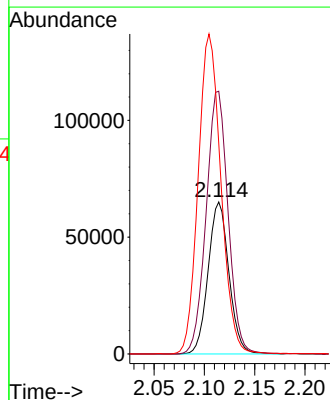
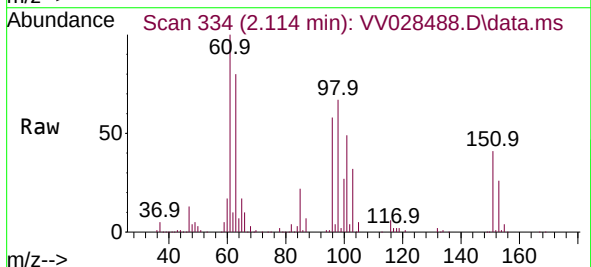
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

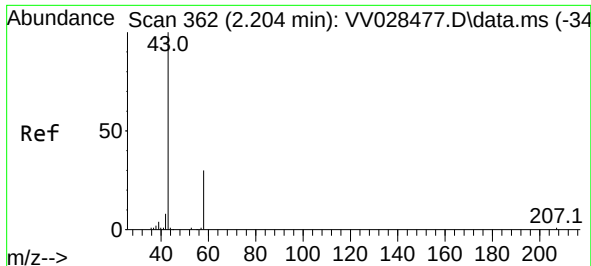
Tgt Ion:101 Resp: 94525
 Ion Ratio Lower Upper
 101 100
 85 44.2 34.9 52.3
 151 80.1 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 46.705 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028488.D
 Acq: 09 Oct 2022 16:49

Tgt Ion: 96 Resp: 93591
 Ion Ratio Lower Upper
 96 100
 61 172.8 125.6 233.2
 63 138.5 100.0 185.6

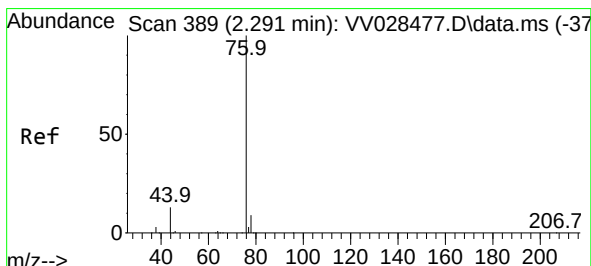
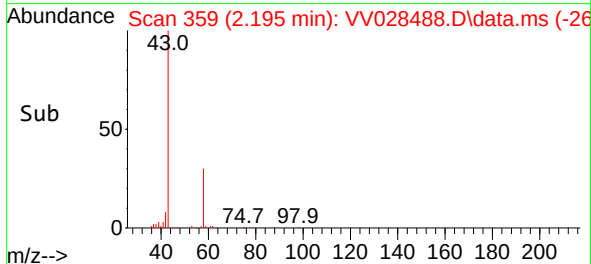
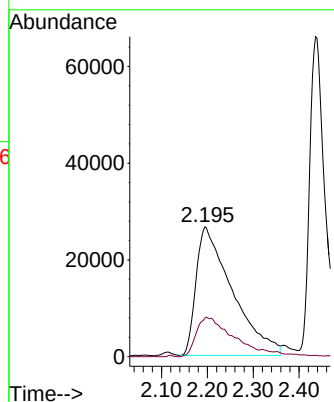
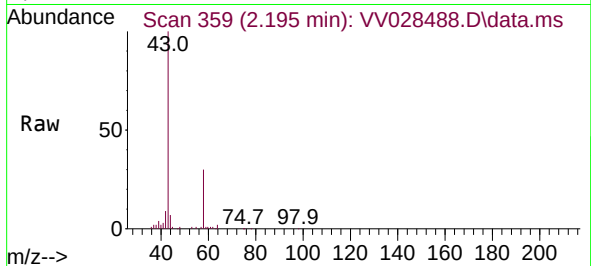




#13
Acetone
Concen: 81.443 ug/L
RT: 2.195 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

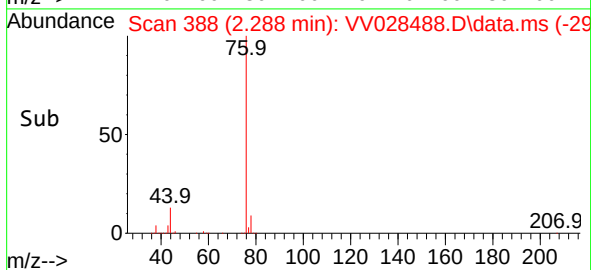
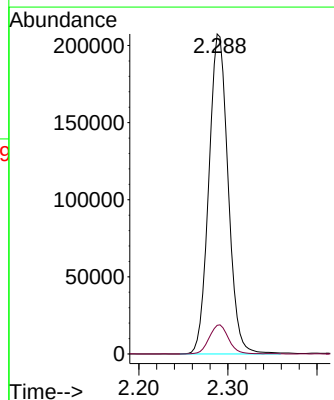
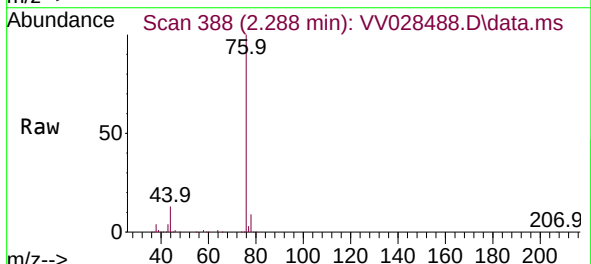
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

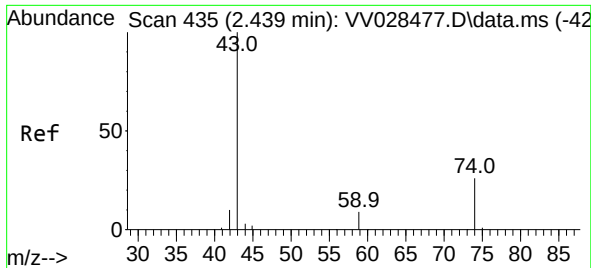
Tgt Ion: 43 Resp: 145996
Ion Ratio Lower Upper
43 100
58 11.2 0.0 47.0



#14
Carbon disulfide
Concen: 48.584 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 76 Resp: 311352
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

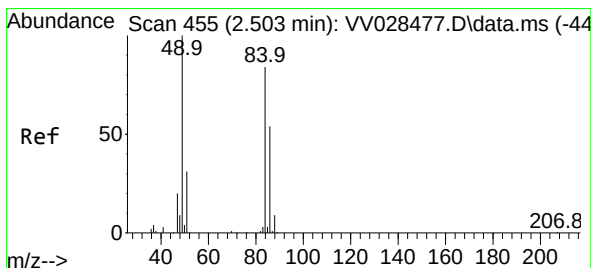
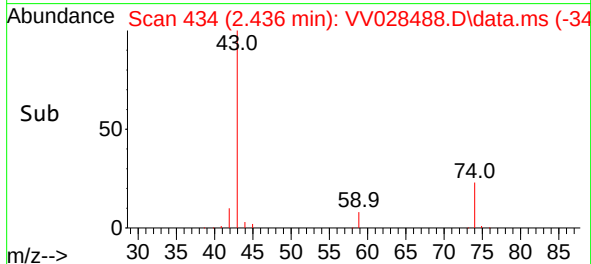
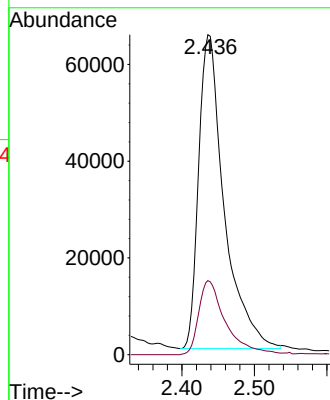
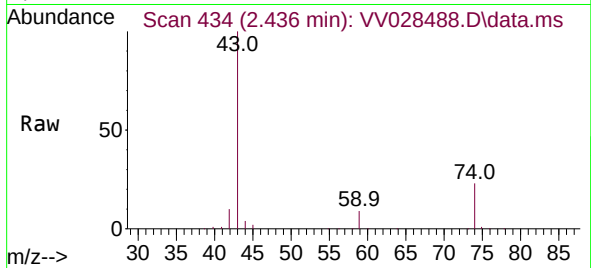




#15
Methyl Acetate
Concen: 52.418 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

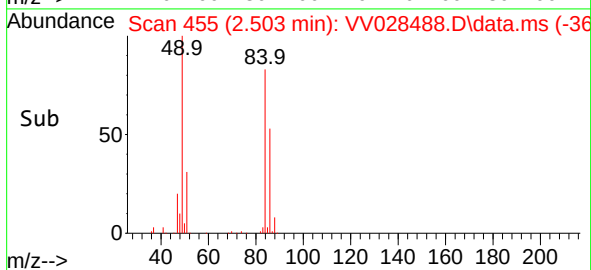
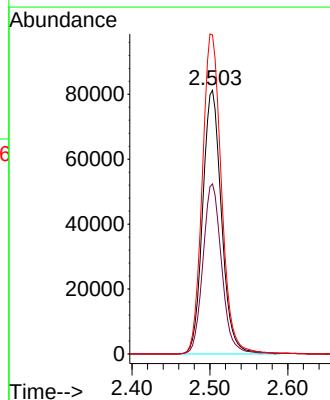
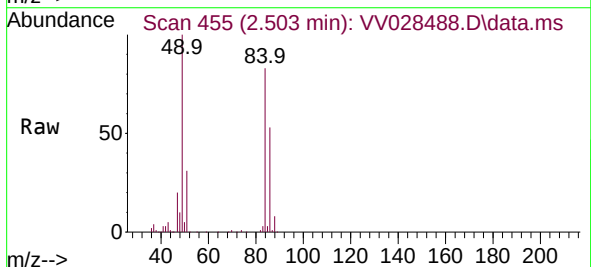
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

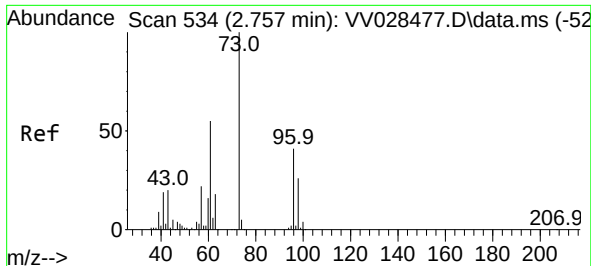
Tgt Ion: 43 Resp: 158651
Ion Ratio Lower Upper
43 100
74 24.8 18.8 28.2



#16
Methylene chloride
Concen: 52.406 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 84 Resp: 136471
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.2
49 121.0 90.5 168.1

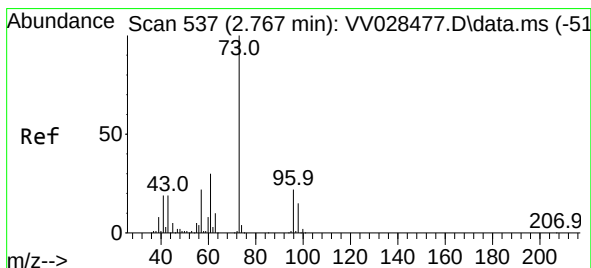
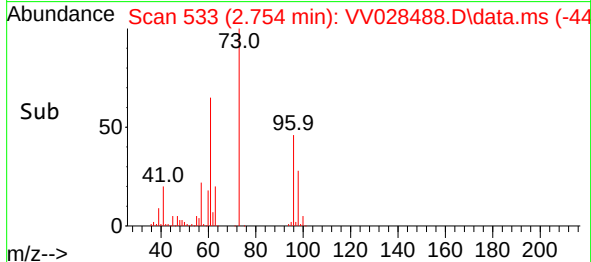
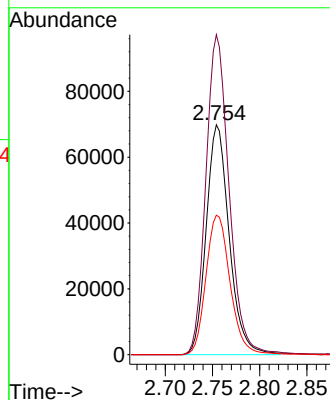
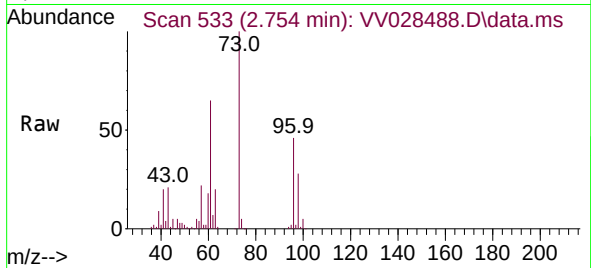




#17
trans-1,2-Dichloroethene
Concen: 50.632 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

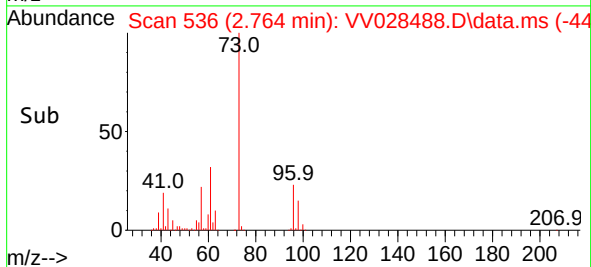
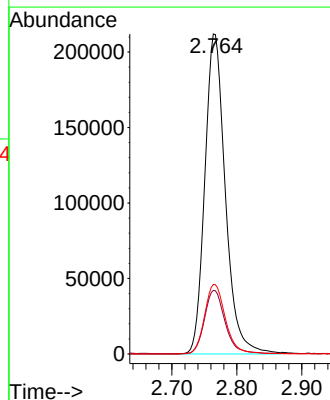
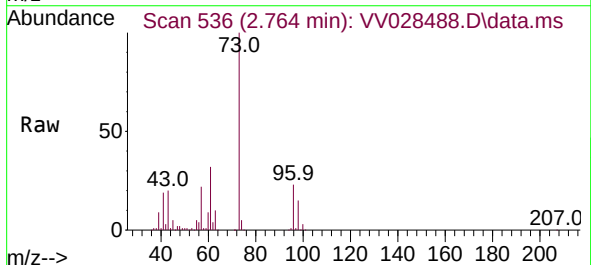
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

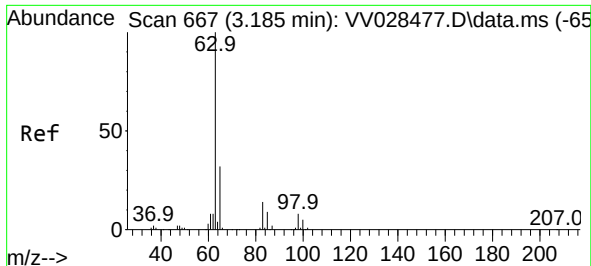
Tgt Ion: 96 Resp: 118344
Ion Ratio Lower Upper
96 100
61 139.2 104.8 194.6
98 60.7 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 54.292 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 73 Resp: 466499
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 21.9 18.2 27.4

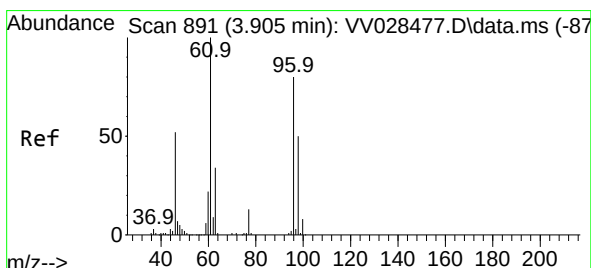
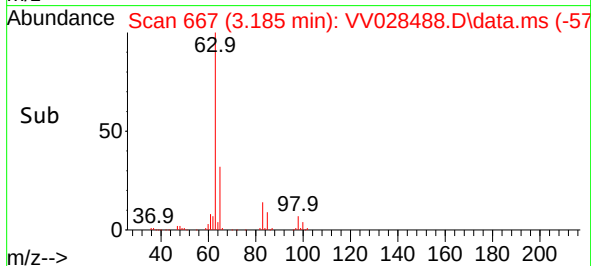
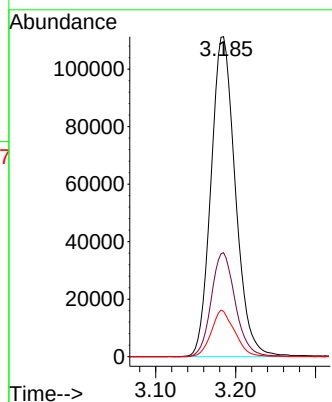
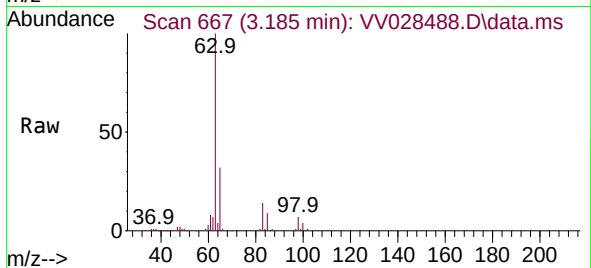




#19
1,1-Dichloroethane
Concen: 49.323 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

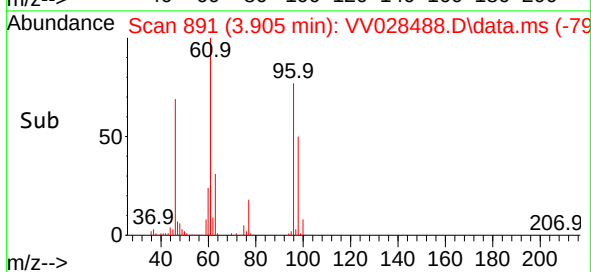
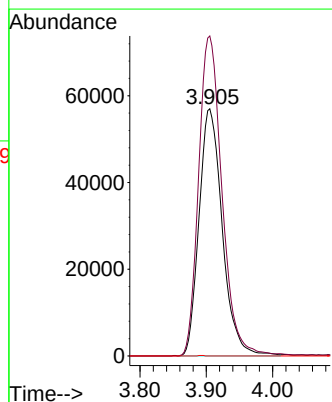
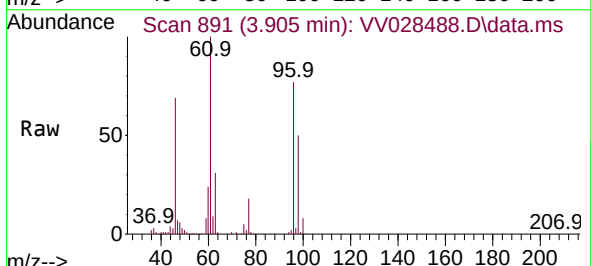
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

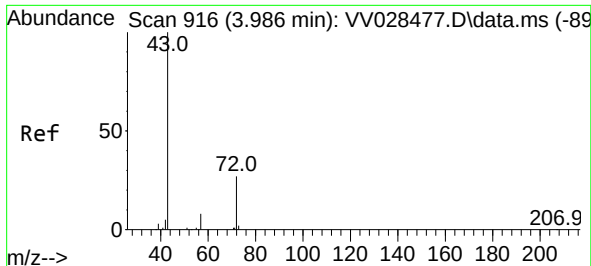
Tgt Ion: 63 Resp: 235502
Ion Ratio Lower Upper
63 100
65 32.5 22.6 42.0
83 14.2 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 52.235 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 96 Resp: 139087
Ion Ratio Lower Upper
96 100
61 129.5 95.0 176.4
68 0.0 0.0 0.0

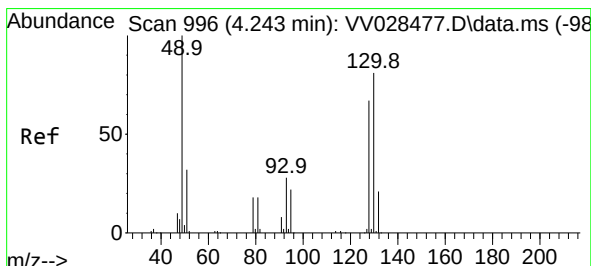
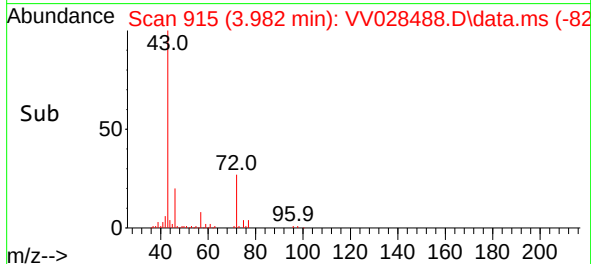
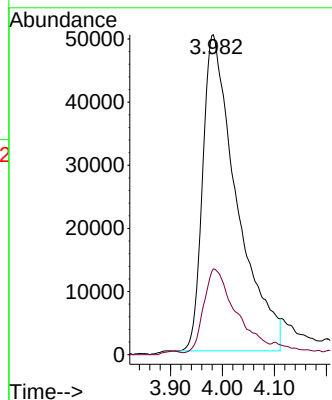
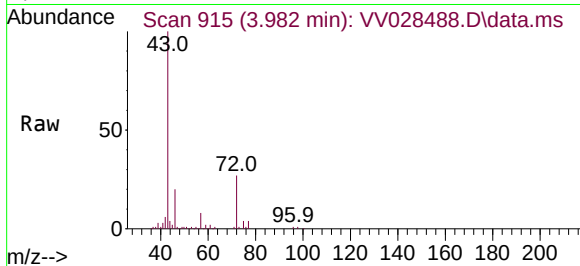




#22
2-Butanone
Concen: 96.397 ug/L
RT: 3.982 min Scan# 915
Delta R.T. -0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

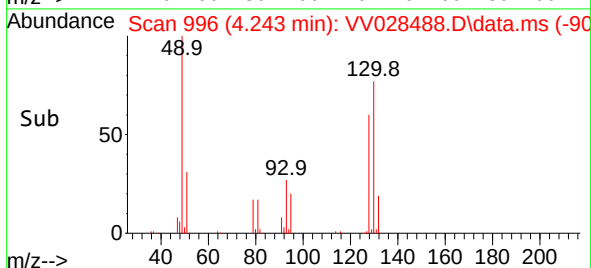
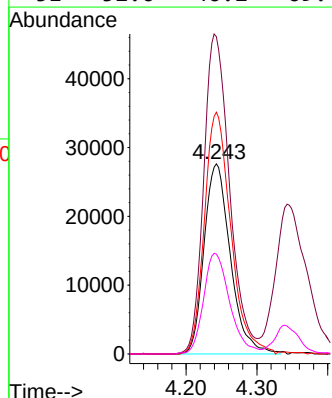
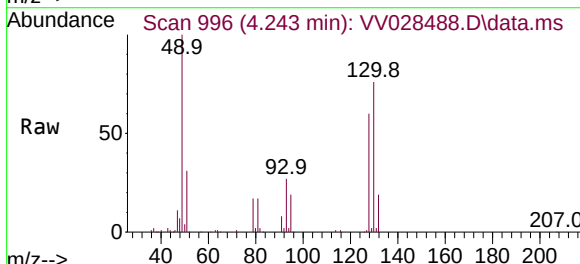
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

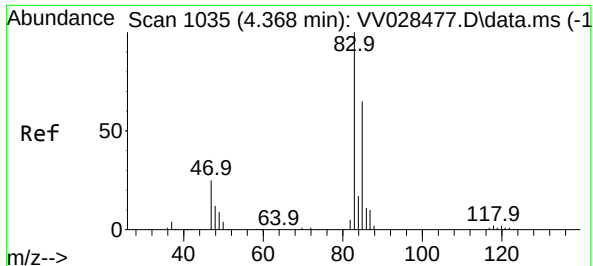
Tgt Ion: 43 Resp: 227805
Ion Ratio Lower Upper
43 100
72 25.0 11.1 33.1



#23
Bromochloromethane
Concen: 55.060 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion:128 Resp: 71248
Ion Ratio Lower Upper
128 100
49 166.9 130.6 242.6
130 127.1 90.0 167.2
51 52.6 46.2 69.4





#25

Chloroform

Concen: 51.662 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

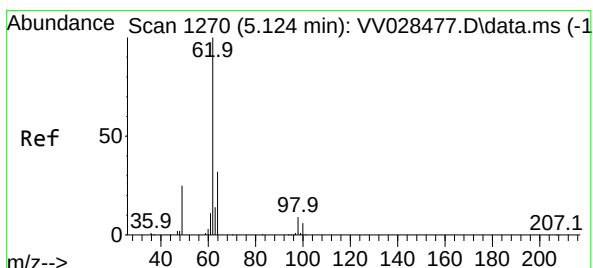
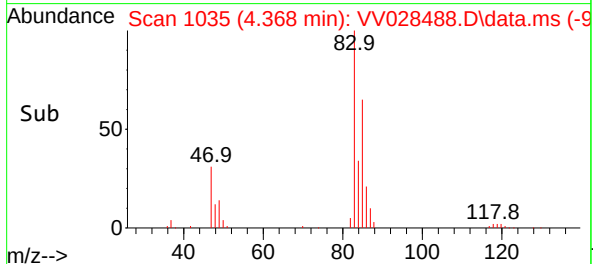
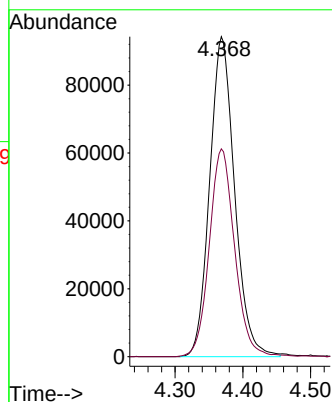
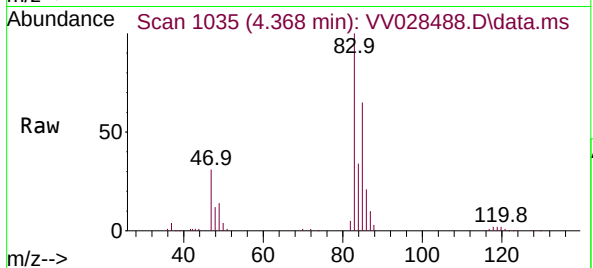
VSTD050355

Tgt Ion: 83 Resp: 240814

Ion Ratio Lower Upper

83 100

85 65.0 44.5 82.7



#27

1,2-Dichloroethane

Concen: 54.309 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV028488.D

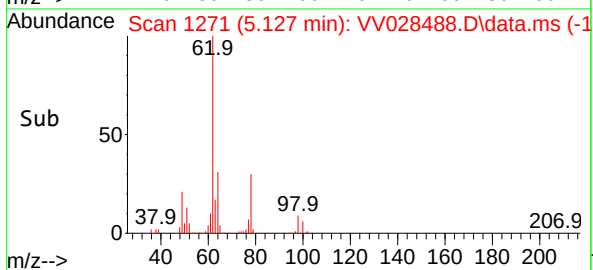
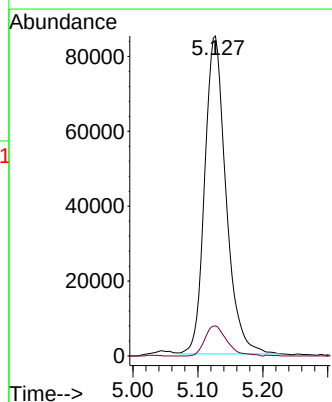
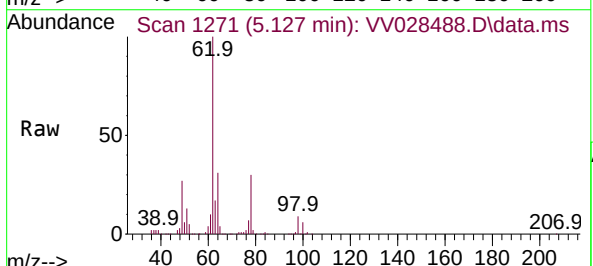
Acq: 09 Oct 2022 16:49

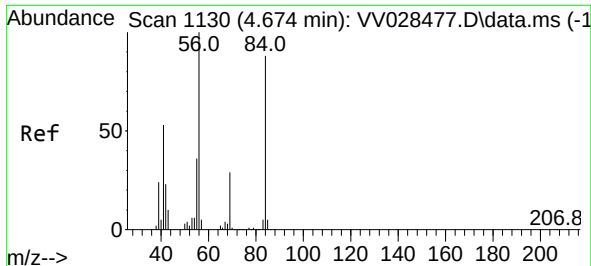
Tgt Ion: 62 Resp: 193962

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 45.811 ug/L

RT: 4.670 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

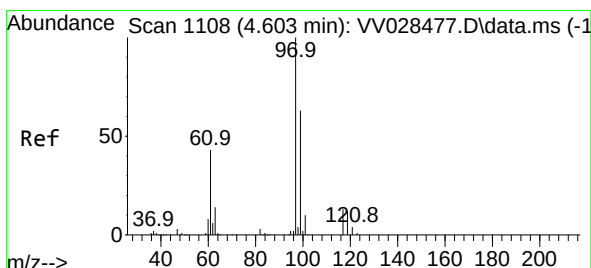
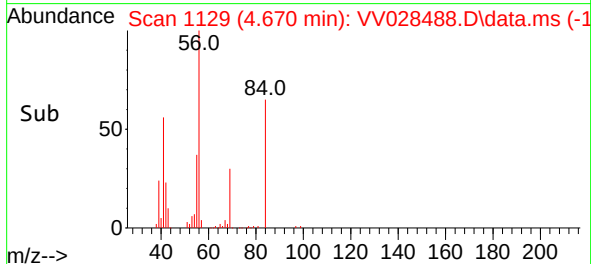
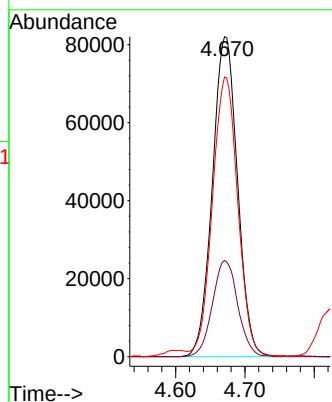
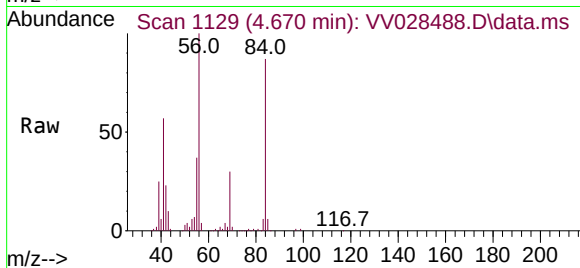
Tgt Ion: 56 Resp: 206455

Ion Ratio Lower Upper

56 100

69 30.4 23.0 34.6

84 88.4 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 52.238 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

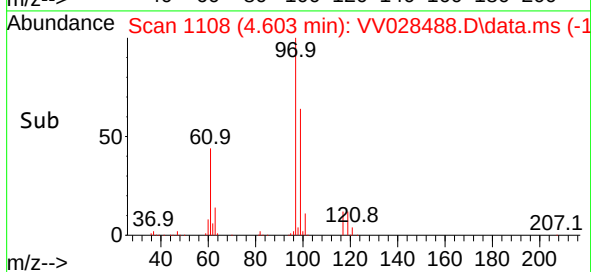
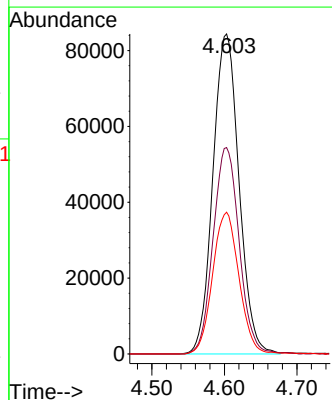
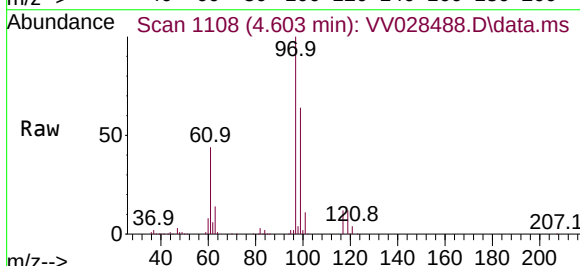
Tgt Ion: 97 Resp: 211439

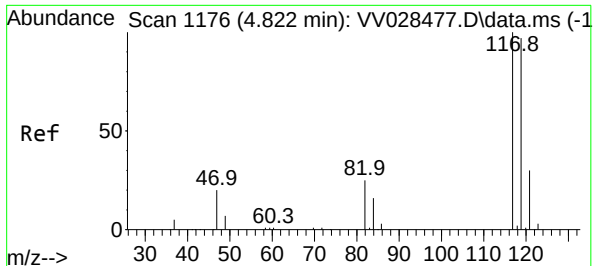
Ion Ratio Lower Upper

97 100

99 64.3 50.2 75.2

61 44.5 35.8 53.6

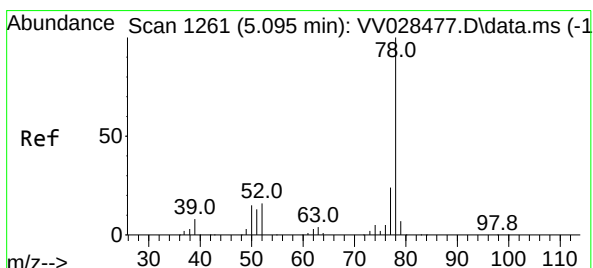
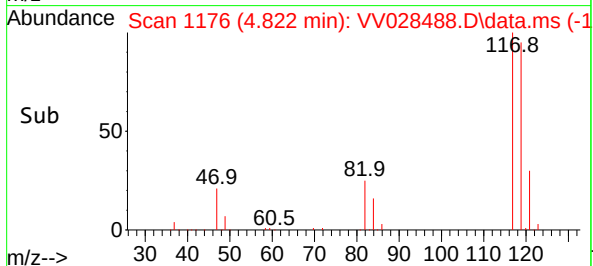
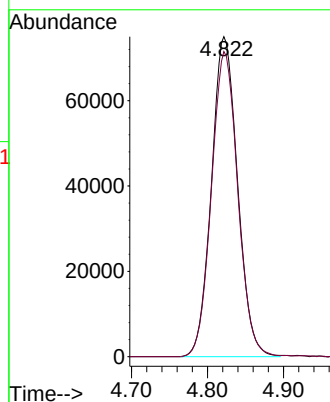
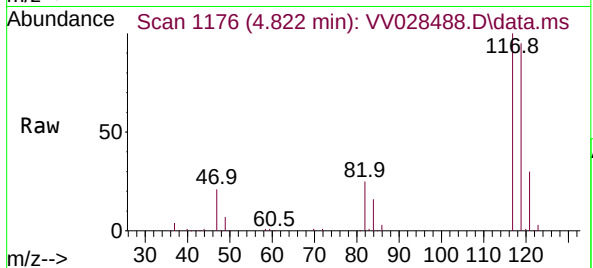




#31
Carbon tetrachloride
Concen: 52.805 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

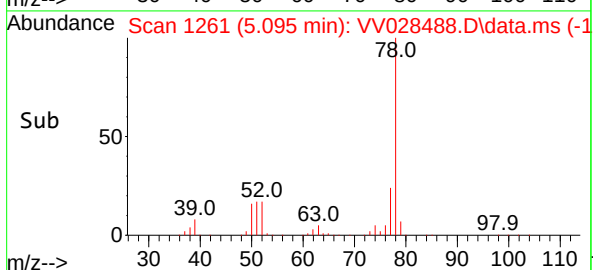
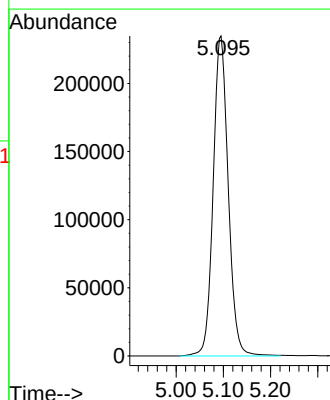
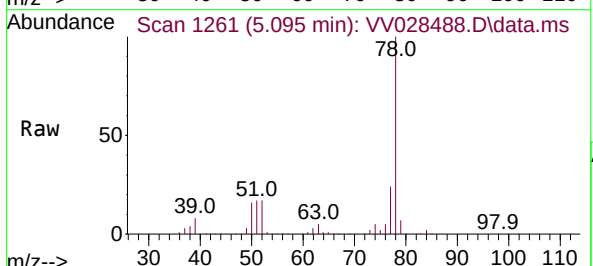
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

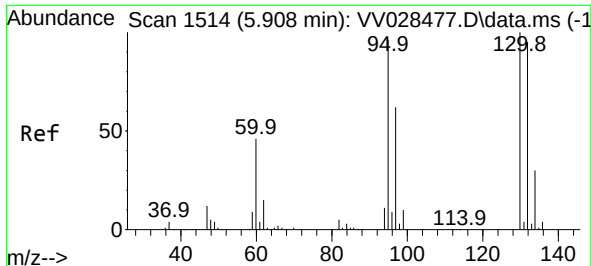
Tgt Ion:117 Resp: 178916
Ion Ratio Lower Upper
117 100
119 96.0 78.0 117.0



#33
Benzene
Concen: 50.480 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 78 Resp: 520192

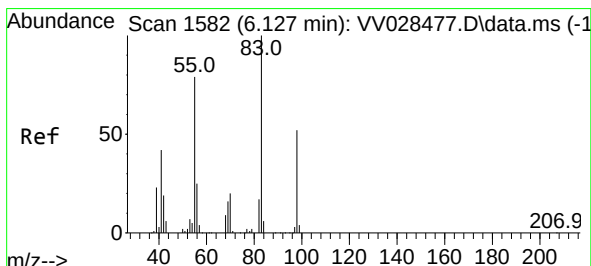
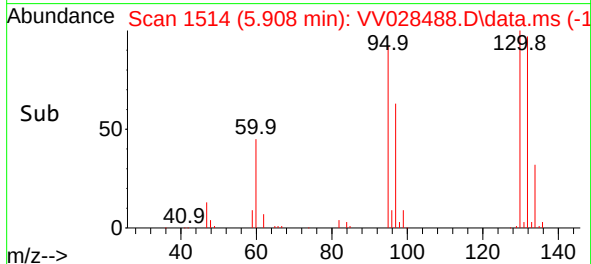
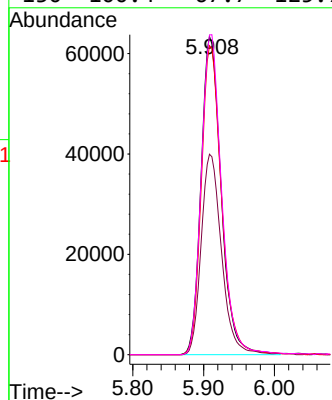
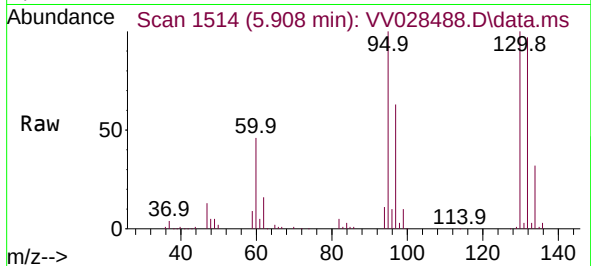




#34
Trichloroethene
Concen: 49.004 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

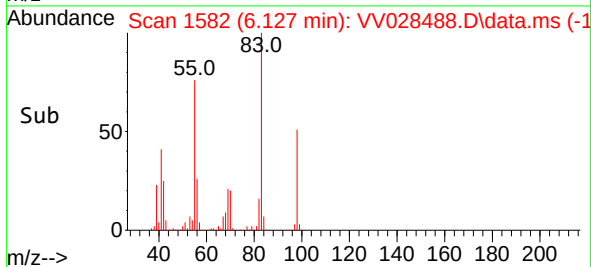
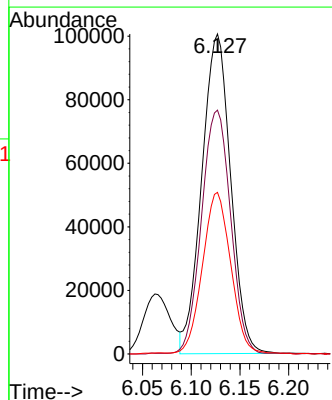
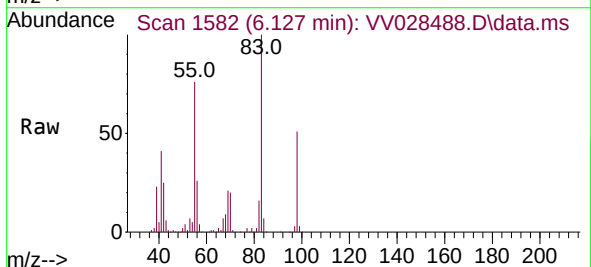
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

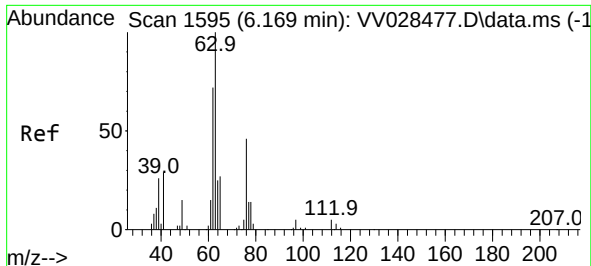
Tgt Ion: 95 Resp: 125272
Ion Ratio Lower Upper
95 100
97 63.0 44.4 82.4
132 97.1 64.3 119.5
130 100.4 67.7 125.7



#35
Methylcyclohexane
Concen: 46.658 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 83 Resp: 207365
Ion Ratio Lower Upper
83 100
55 76.7 63.7 95.5
98 49.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 49.916 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

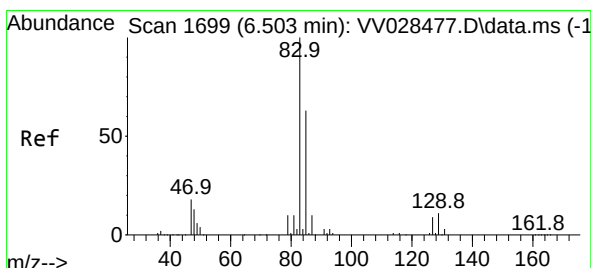
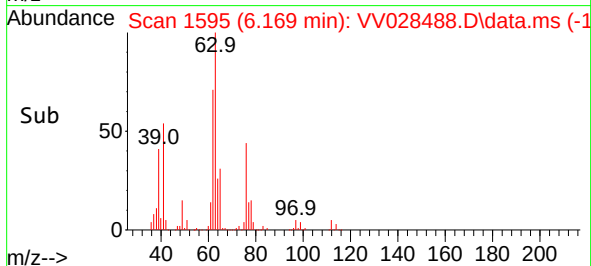
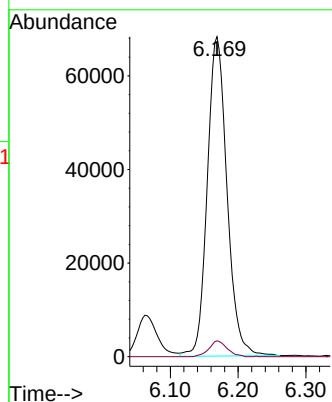
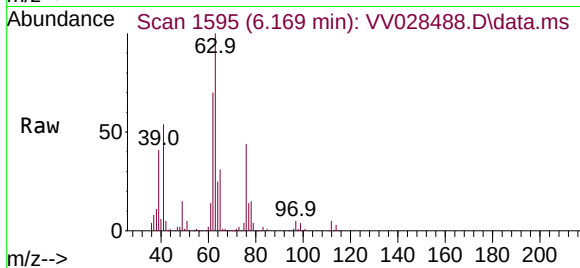
VSTD050355

Tgt Ion: 63 Resp: 137903

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 51.807 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

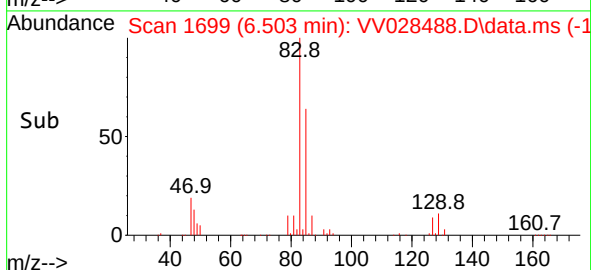
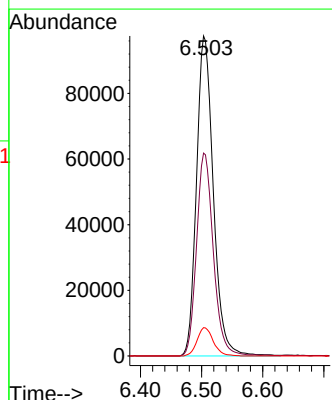
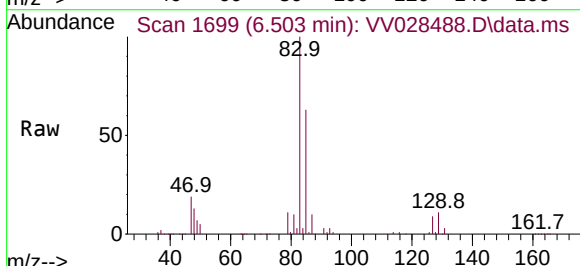
Tgt Ion: 83 Resp: 186470

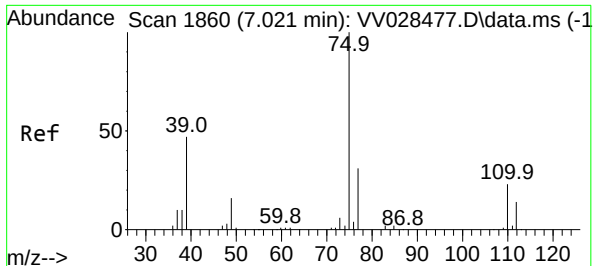
Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

127 8.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.361 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

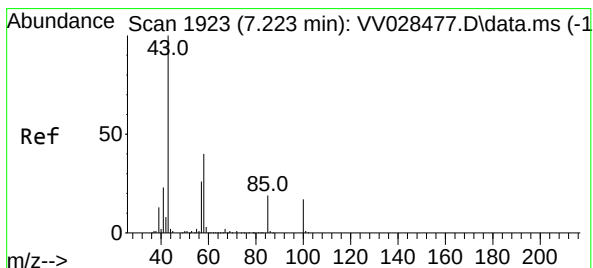
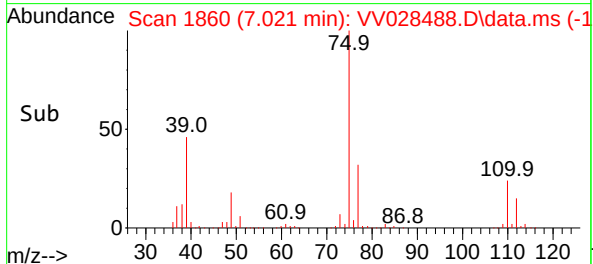
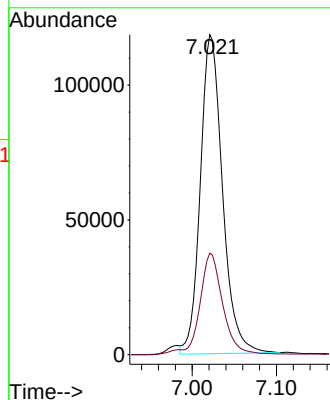
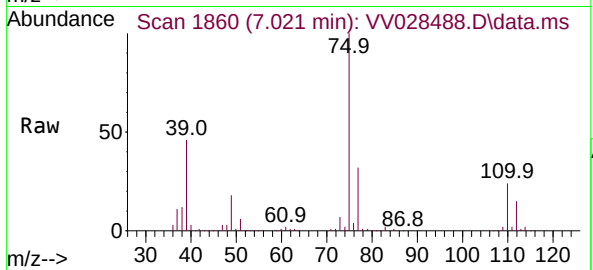
VSTD050355

Tgt Ion: 75 Resp: 216946

Ion Ratio Lower Upper

75 100

77 31.7 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 96.729 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

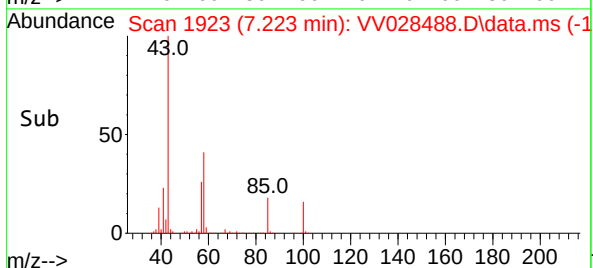
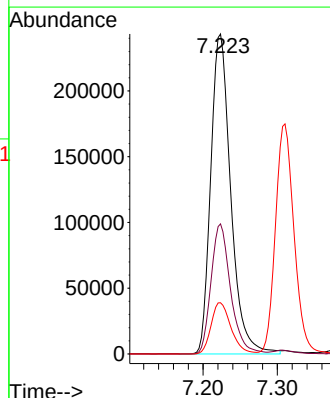
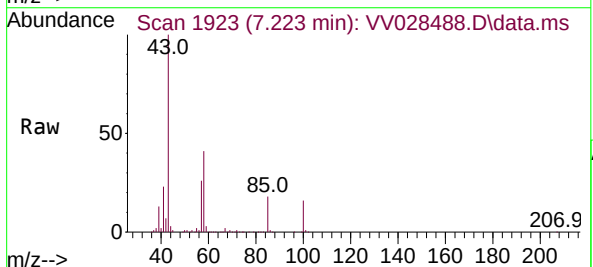
Tgt Ion: 43 Resp: 455773

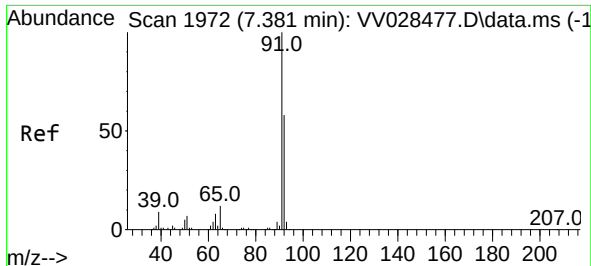
Ion Ratio Lower Upper

43 100

58 39.6 31.3 46.9

100 15.9 11.5 17.3

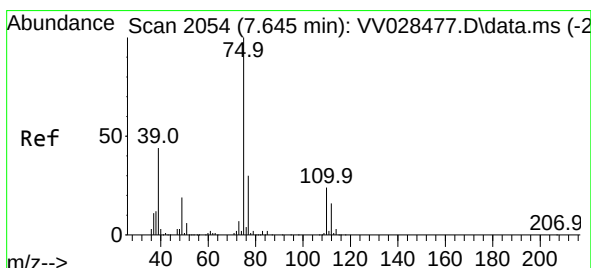
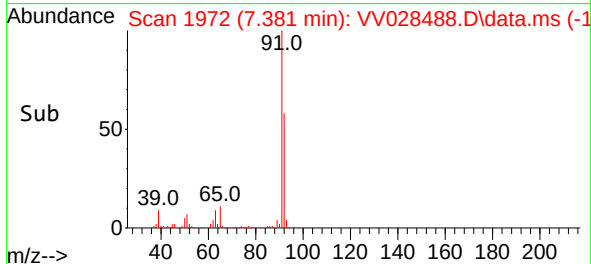
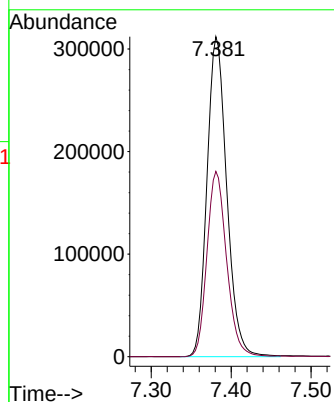
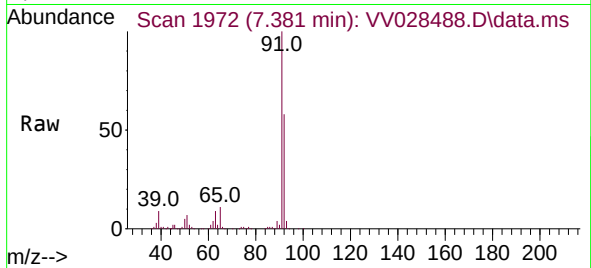




#42
Toluene
Concen: 50.388 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

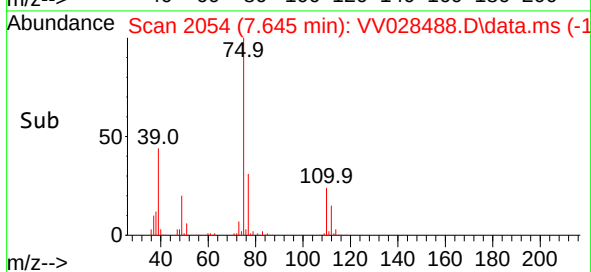
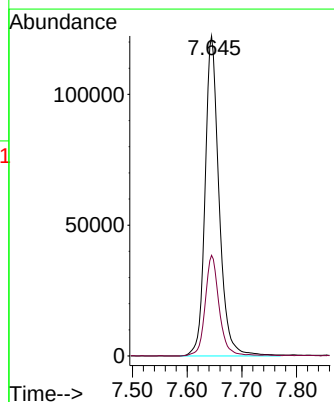
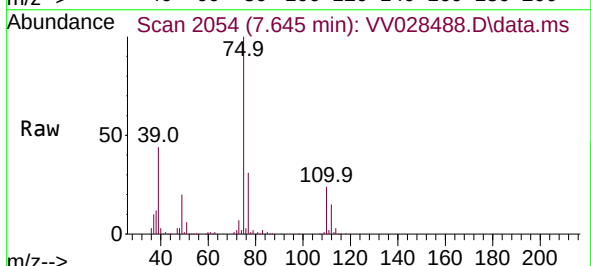
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

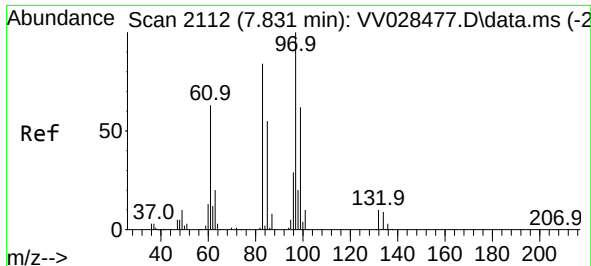
Tgt Ion: 91 Resp: 535205
Ion Ratio Lower Upper
91 100
92 57.9 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 51.537 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 75 Resp: 217392
Ion Ratio Lower Upper
75 100
77 31.5 21.8 40.4



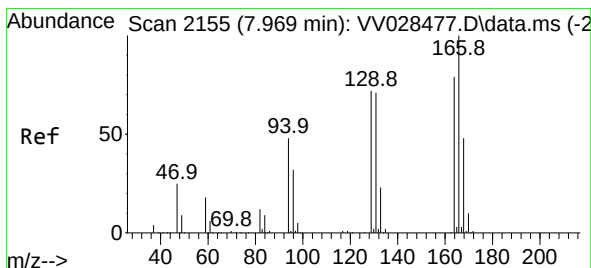
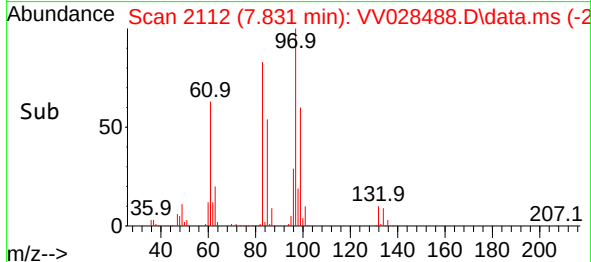
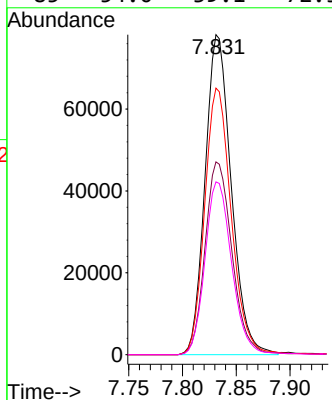
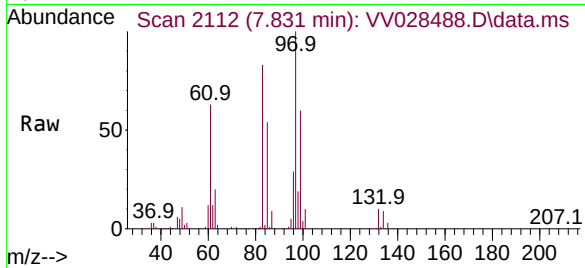


#45
1,1,2-Trichloroethane
Concen: 51.895 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

Tgt Ion: 97 Resp: 132794

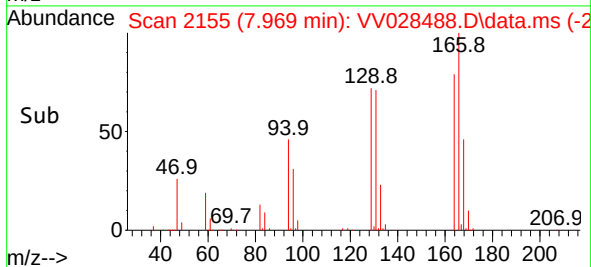
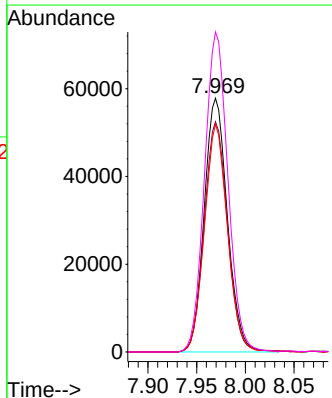
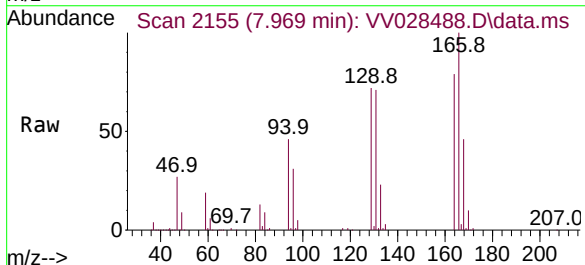
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.9	81.5
83	83.3	61.9	114.9
85	54.0	39.1	72.5

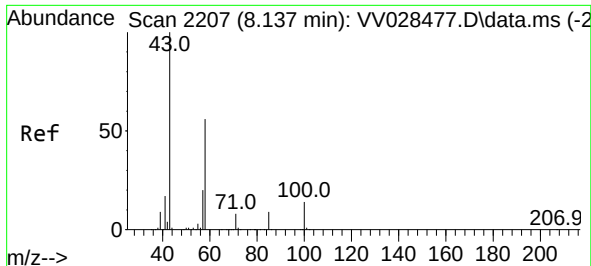


#46
Tetrachloroethene
Concen: 52.197 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 164 Resp: 95879

Ion	Ratio	Lower	Upper
164	100		
129	90.7	67.4	125.2
131	89.7	65.2	121.2
166	126.1	88.5	164.4

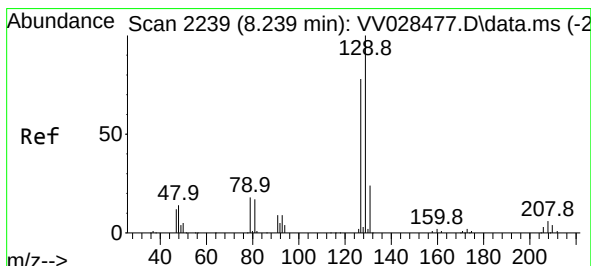
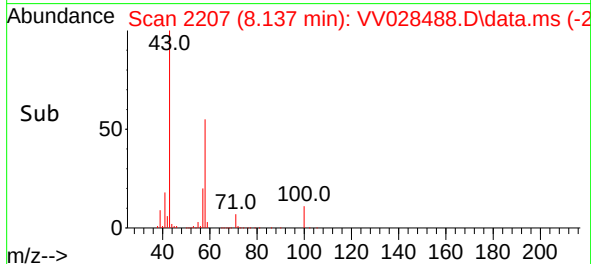
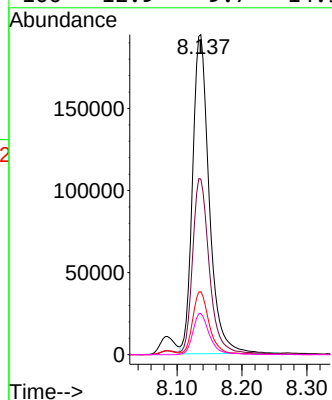
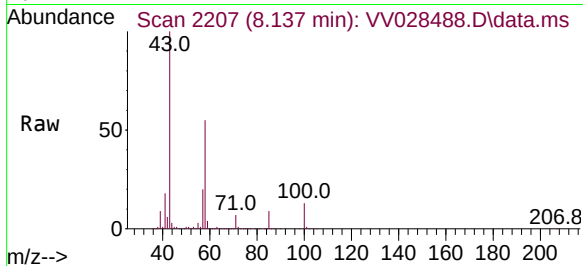




#48
2-Hexanone
Concen: 95.929 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

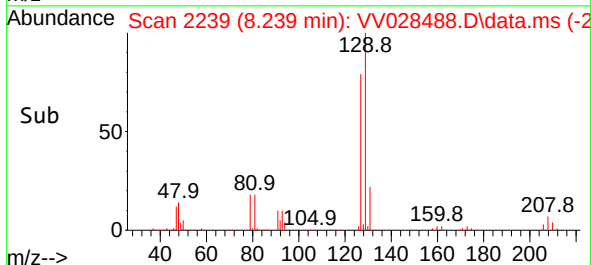
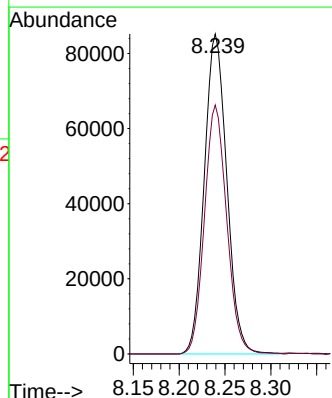
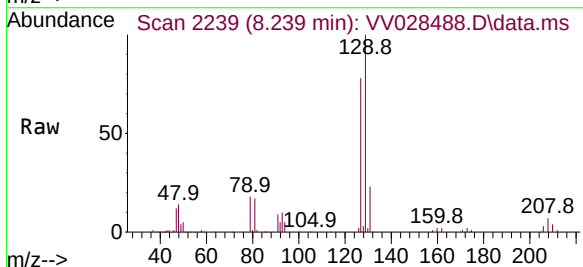
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

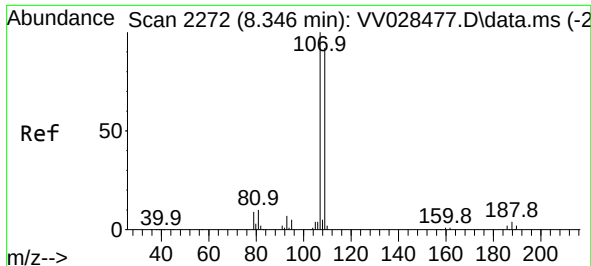
Tgt Ion: 43 Resp: 346998
Ion Ratio Lower Upper
43 100
58 54.2 43.9 65.9
57 19.7 15.1 22.7
100 12.9 9.7 14.5



#49
Dibromochloromethane
Concen: 52.894 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 129 Resp: 145488
Ion Ratio Lower Upper
129 100
127 77.8 53.6 99.6

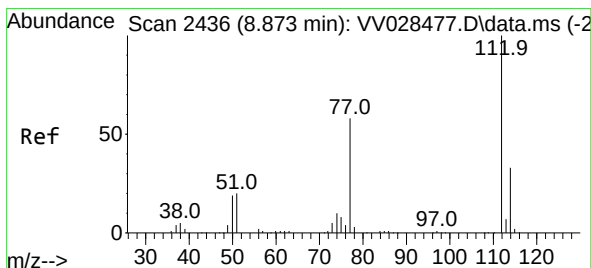
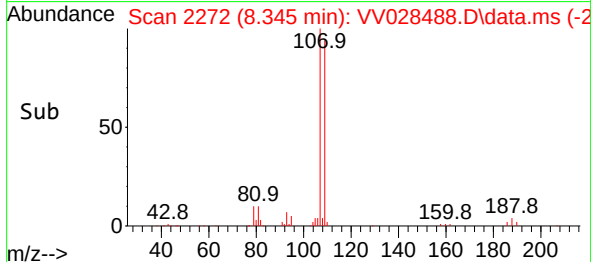
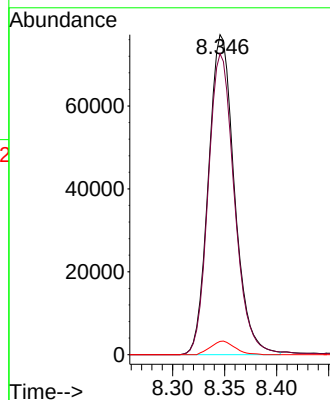
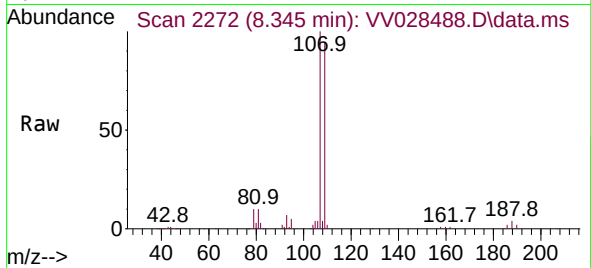




#50
1,2-Dibromoethane
Concen: 50.729 ug/L
RT: 8.345 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

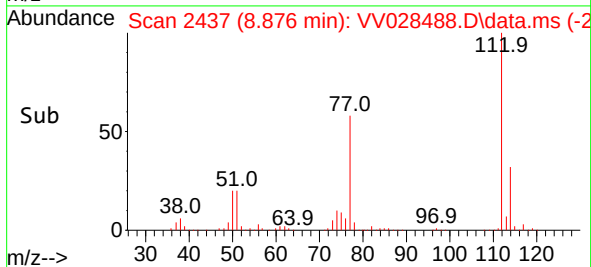
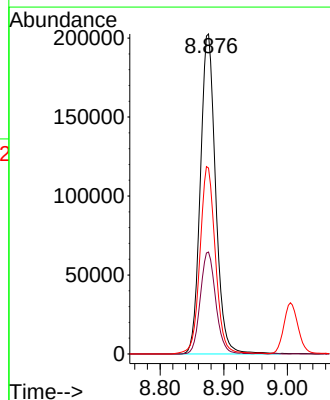
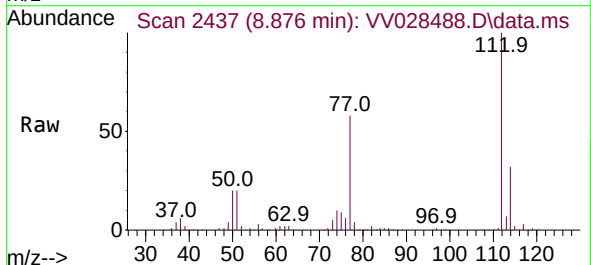
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

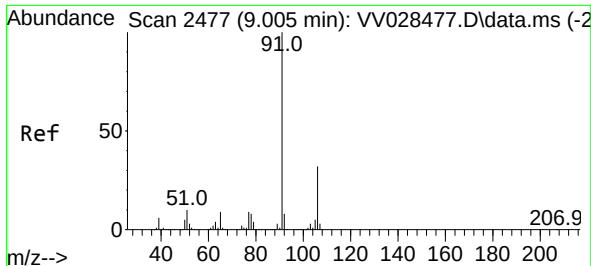
Tgt Ion:107 Resp: 134411
Ion Ratio Lower Upper
107 100
109 94.0 65.9 122.5
188 4.2 3.0 4.4



#51
Chlorobenzene
Concen: 50.635 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion:112 Resp: 337435
Ion Ratio Lower Upper
112 100
114 31.8 21.7 40.3
77 58.1 48.7 73.1

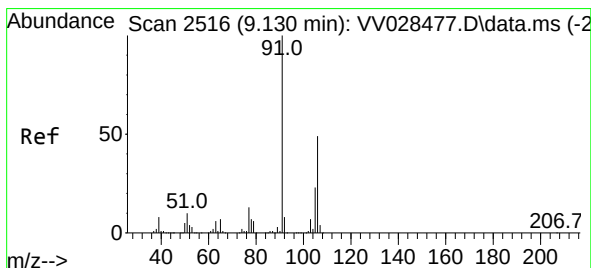
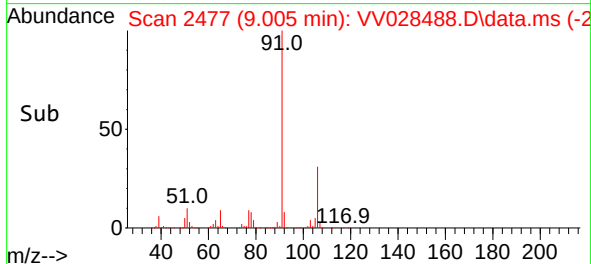
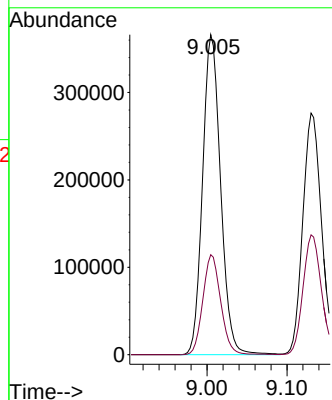
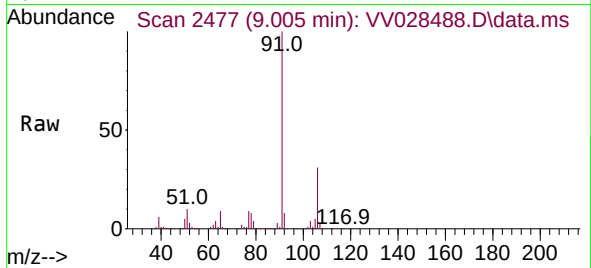




#52
Ethylbenzene
Concen: 49.736 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

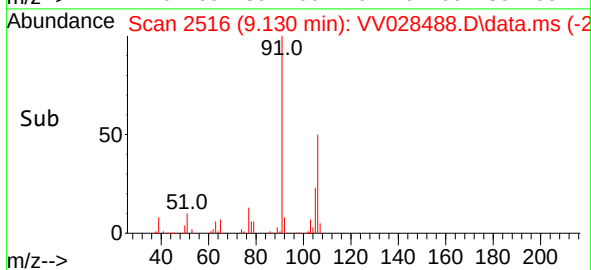
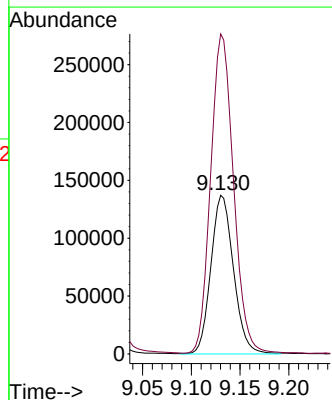
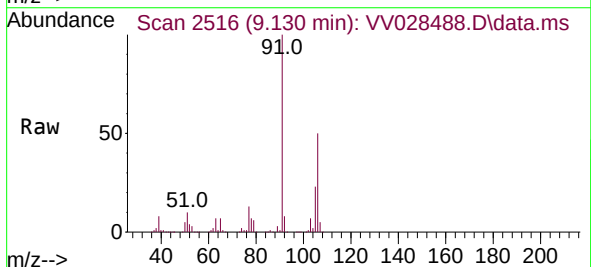
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

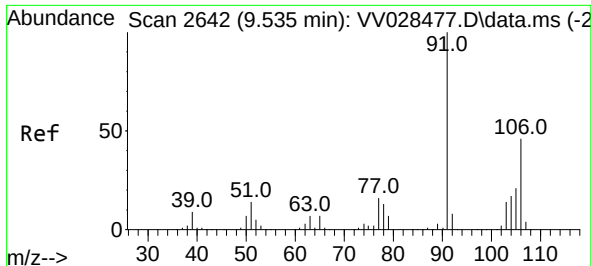
Tgt Ion: 91 Resp: 575788
Ion Ratio Lower Upper
91 100
106 31.3 21.4 39.8



#53
m,p-Xylene
Concen: 50.479 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 106 Resp: 221505
Ion Ratio Lower Upper
106 100
91 201.6 145.2 269.6

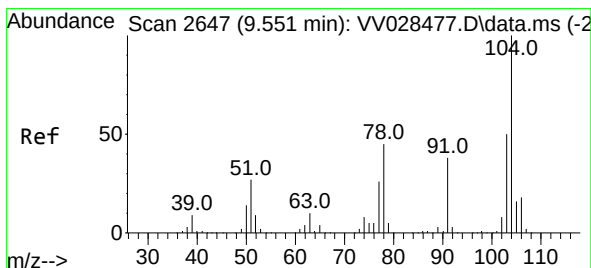
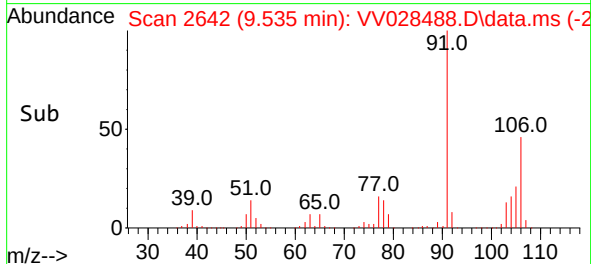
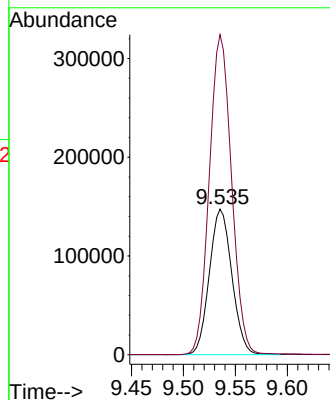
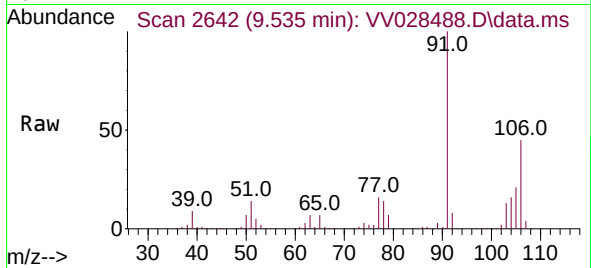




#54
o-Xylene
Concen: 50.628 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

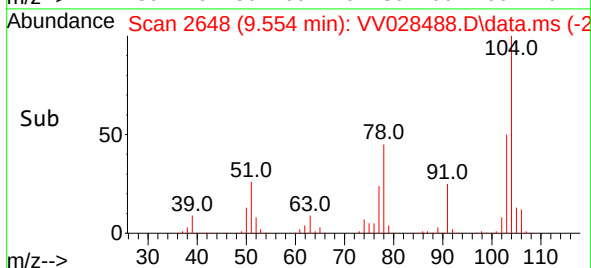
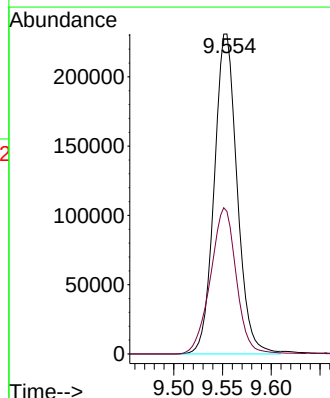
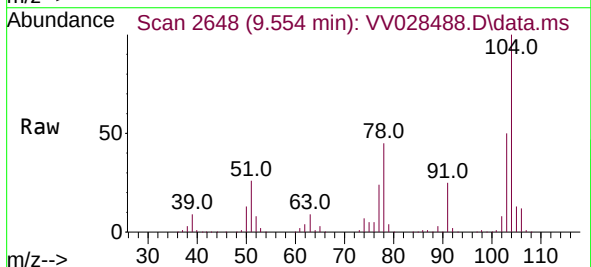
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

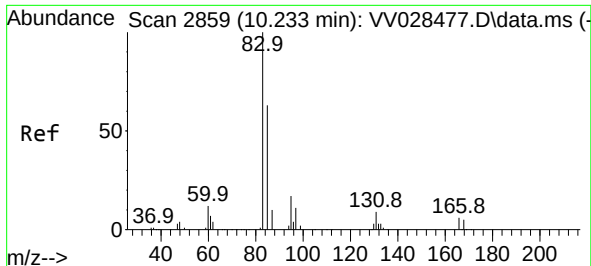
Tgt Ion:106 Resp: 222443
Ion Ratio Lower Upper
106 100
91 219.8 152.5 283.3



#55
Styrene
Concen: 50.060 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion:104 Resp: 377720
Ion Ratio Lower Upper
104 100
78 44.5 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 48.986 ug/L

RT: 10.233 min Scan# 214669

Delta R.T. -0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

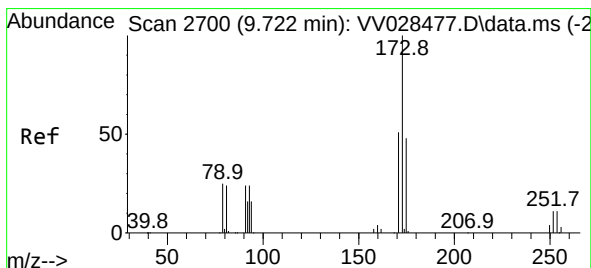
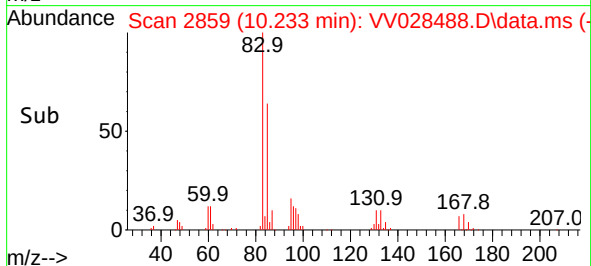
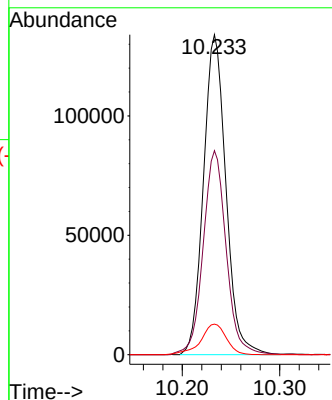
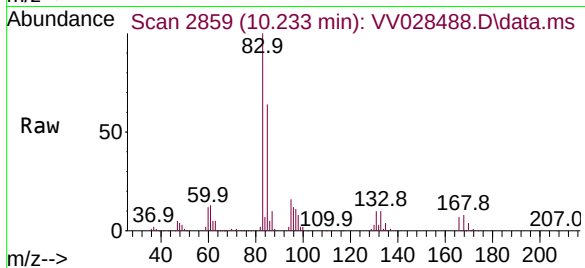
Tgt Ion: 83 Resp: 214669

Ion Ratio Lower Upper

83 100

85 63.8 44.8 83.2

131 9.6 7.2 10.8



#59

Bromoform

Concen: 52.105 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.003 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

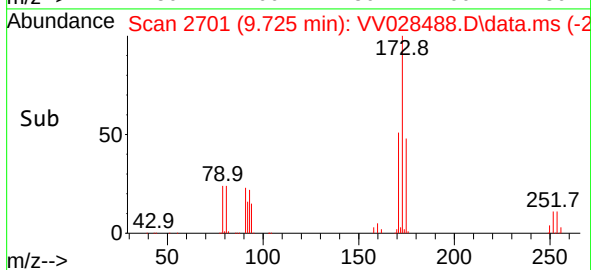
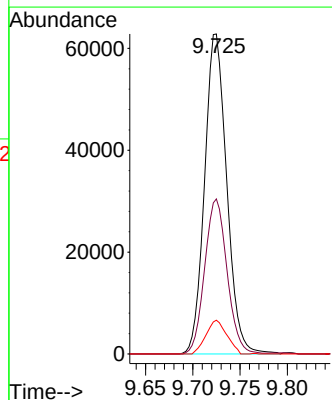
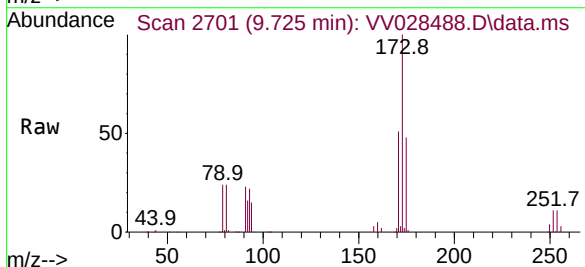
Tgt Ion: 173 Resp: 102533

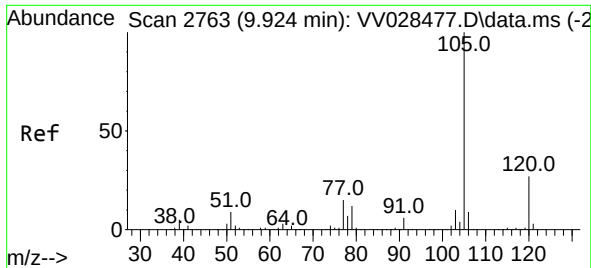
Ion Ratio Lower Upper

173 100

175 48.9 38.6 57.8

254 9.9 8.4 12.6

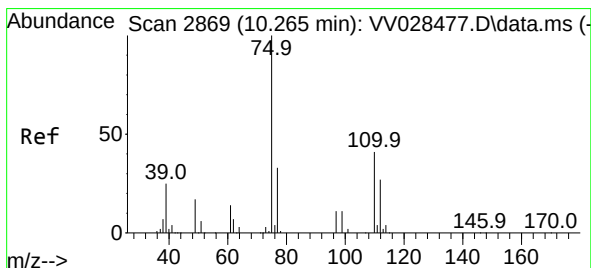
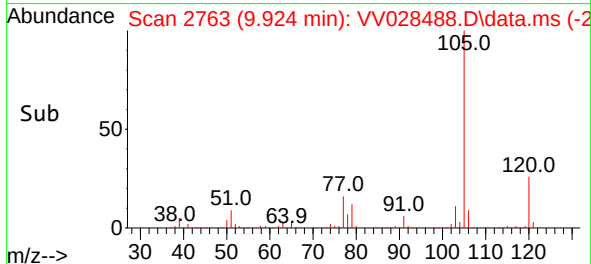
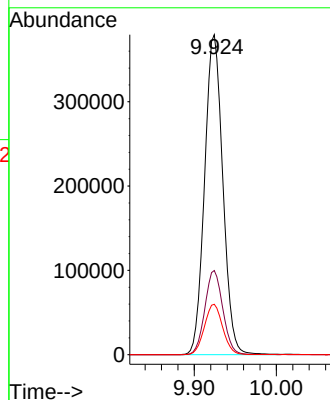
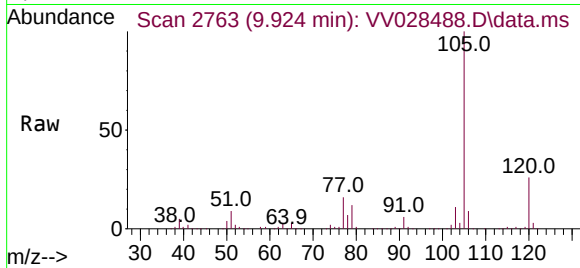




#60
Isopropylbenzene
Concen: 51.140 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

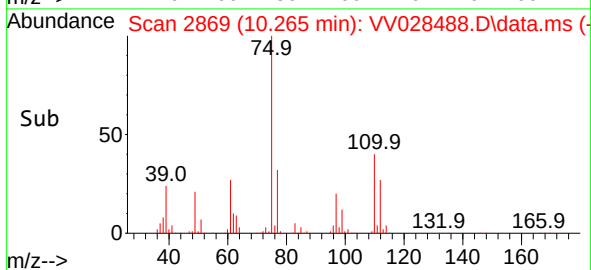
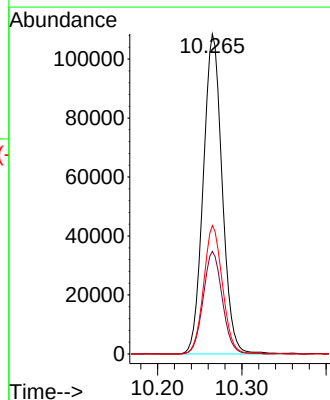
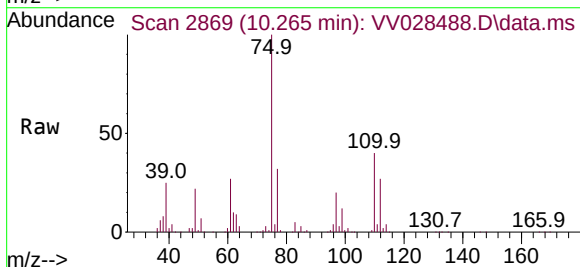
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

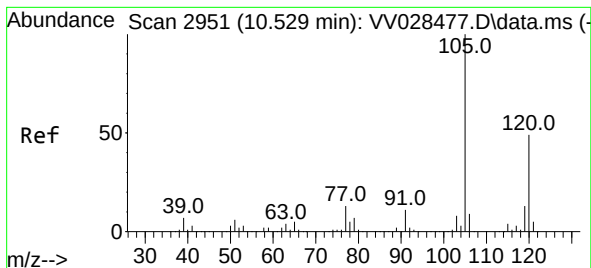
Tgt Ion:105 Resp: 585582
Ion Ratio Lower Upper
105 100
120 26.0 20.5 30.7
77 15.8 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 50.135 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 75 Resp: 169601
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 39.9 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 51.484 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

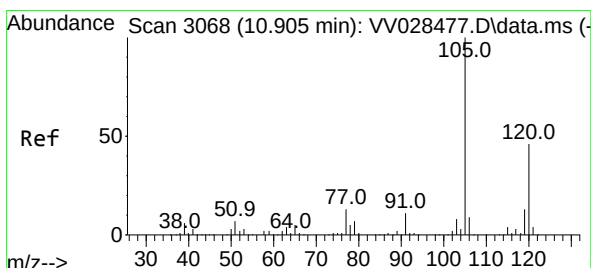
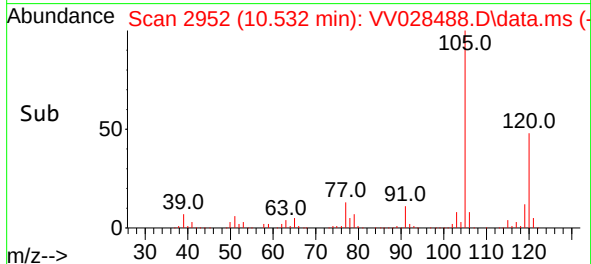
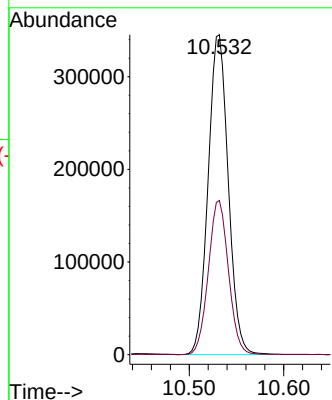
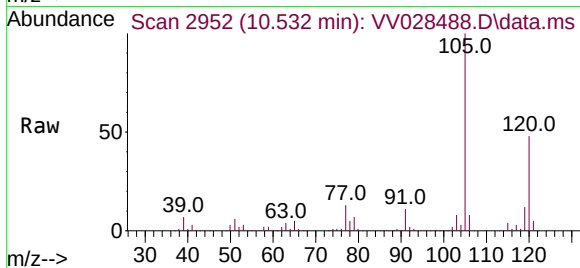
VSTD050355

Tgt Ion:105 Resp: 510577

Ion Ratio Lower Upper

105 100

120 48.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 51.005 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV028488.D

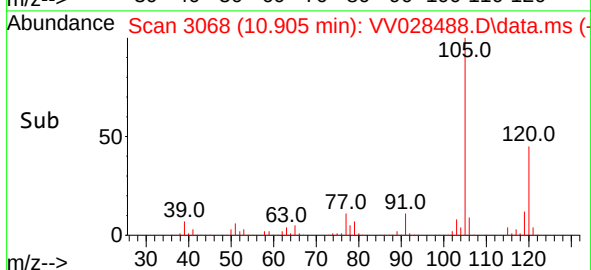
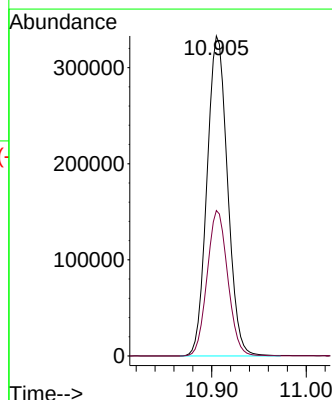
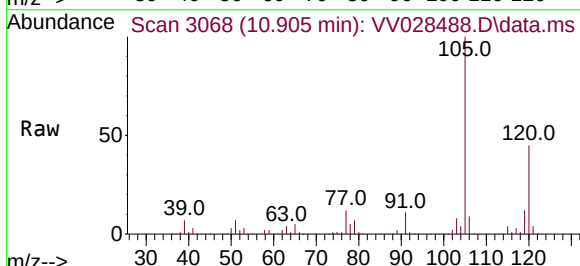
Acq: 09 Oct 2022 16:49

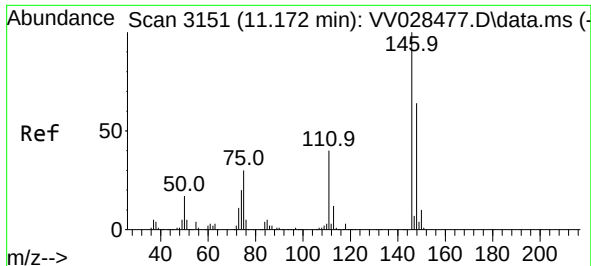
Tgt Ion:105 Resp: 502076

Ion Ratio Lower Upper

105 100

120 45.7 35.9 53.9

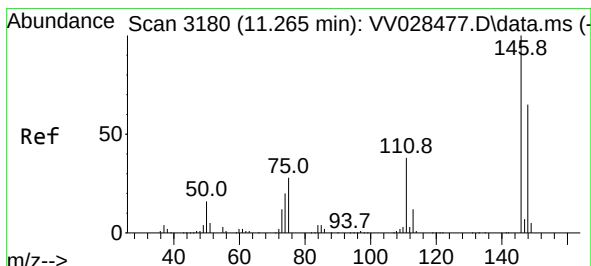
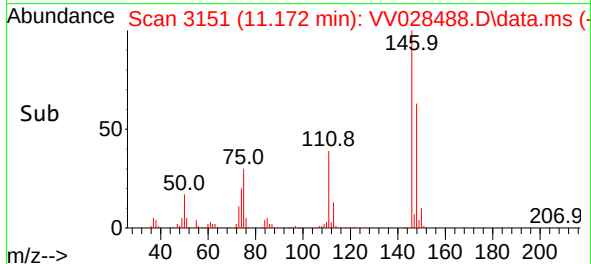
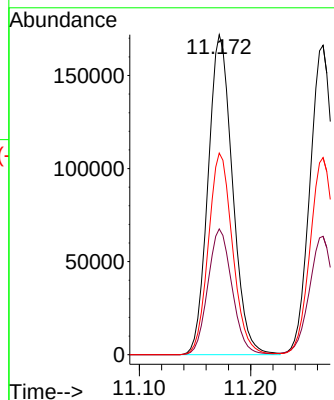
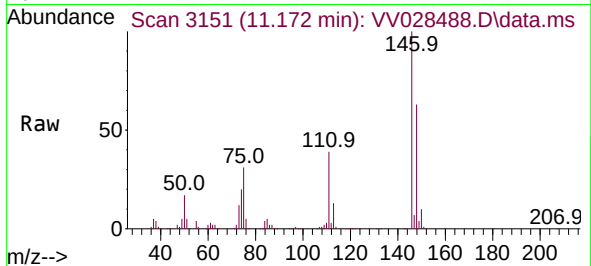




#64
1,3-Dichlorobenzene
Concen: 52.364 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

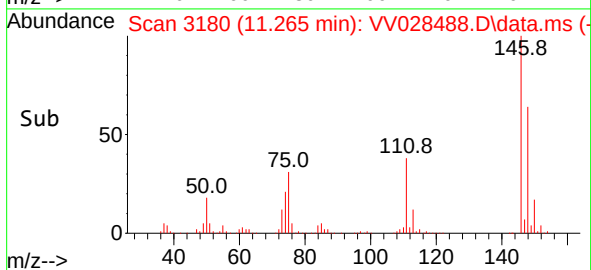
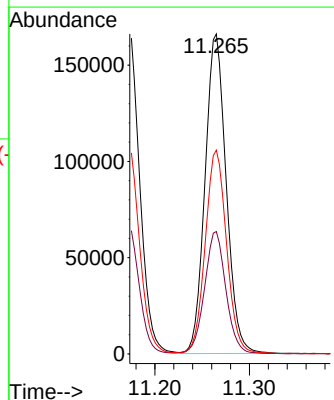
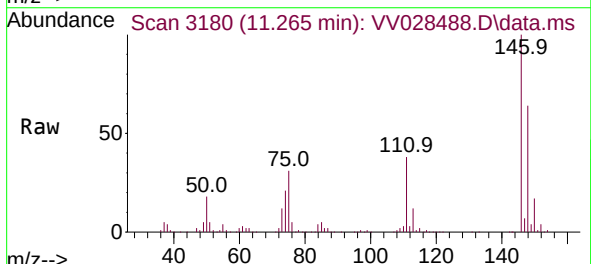
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

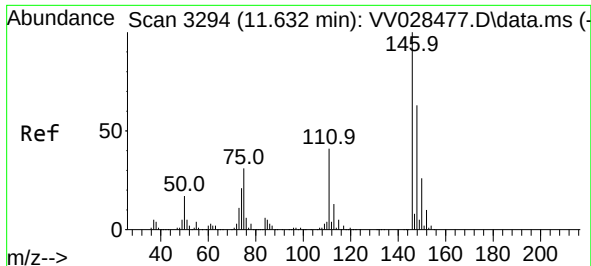
Tgt Ion:146 Resp: 262251
Ion Ratio Lower Upper
146 100
111 39.3 29.0 53.9
148 63.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 51.666 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion:146 Resp: 258194
Ion Ratio Lower Upper
146 100
111 38.3 26.6 49.4
148 63.7 43.4 80.6

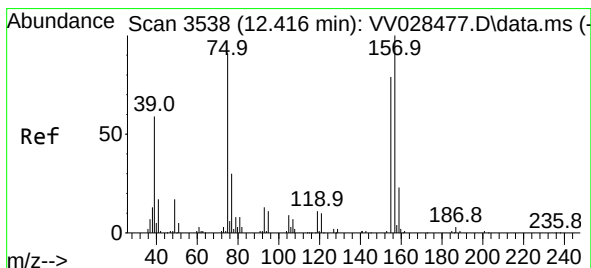
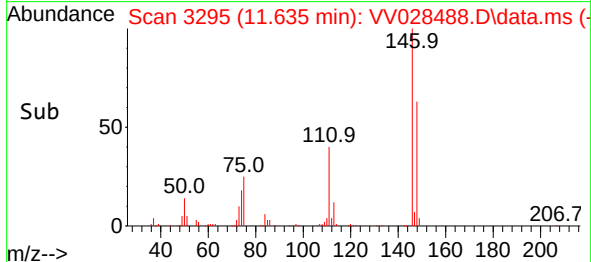
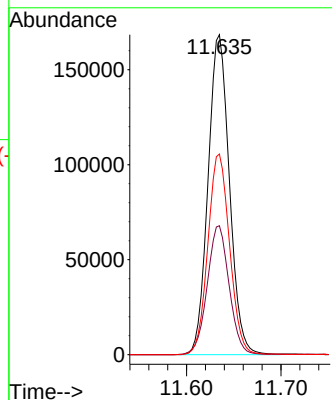
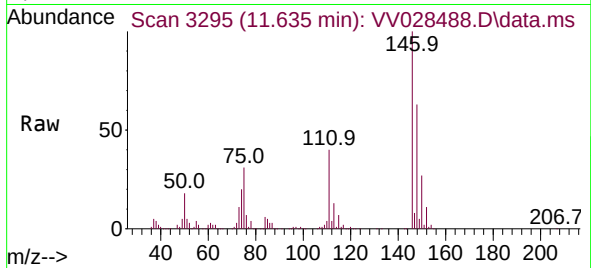




#67
1,2-Dichlorobenzene
Concen: 52.283 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

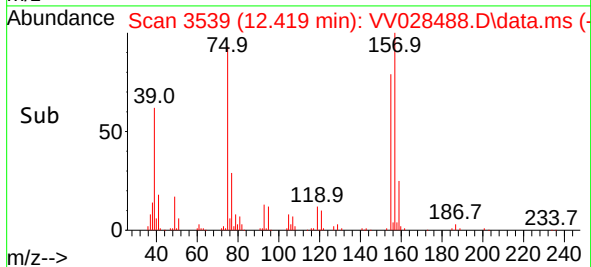
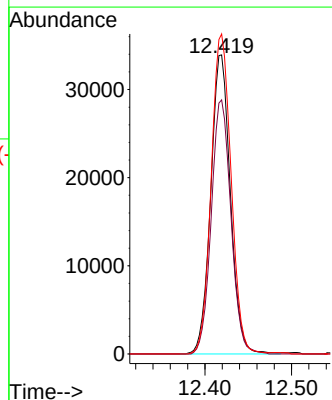
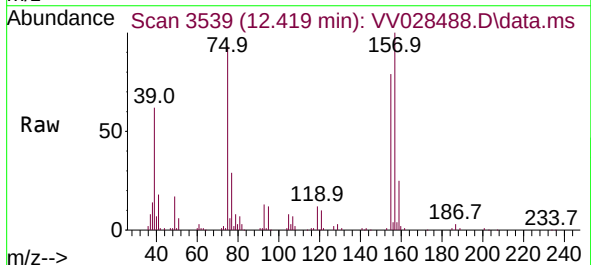
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

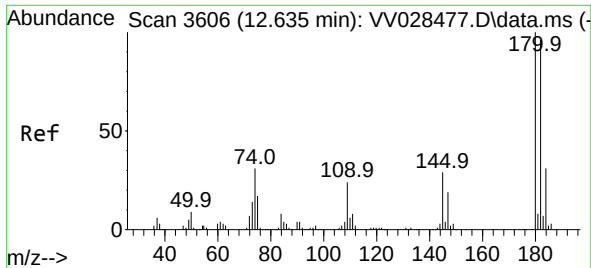
Tgt Ion:146 Resp: 264275
Ion Ratio Lower Upper
146 100
111 40.3 33.9 50.9
148 62.7 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 51.805 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VV028488.D
Acq: 09 Oct 2022 16:49

Tgt Ion: 75 Resp: 53630
Ion Ratio Lower Upper
75 100
155 85.0 65.0 97.6
157 107.0 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 52.682 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. -0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

Tgt Ion:180 Resp: 200394

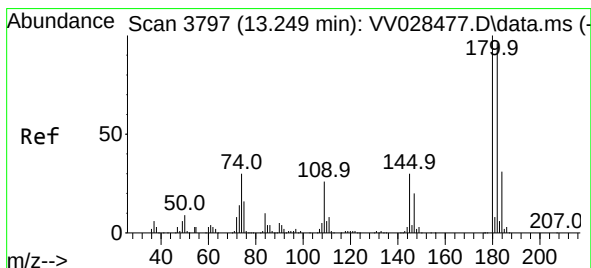
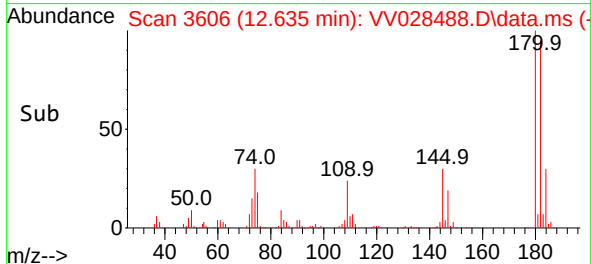
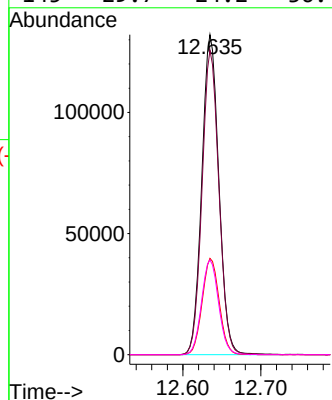
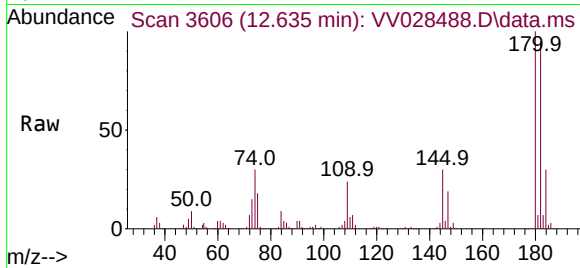
Ion Ratio Lower Upper

180 100

182 93.9 75.9 113.9

184 30.0 24.0 36.0

145 29.7 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 54.590 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

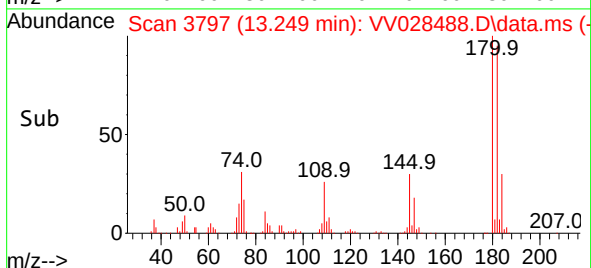
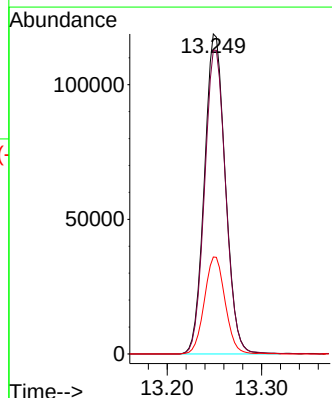
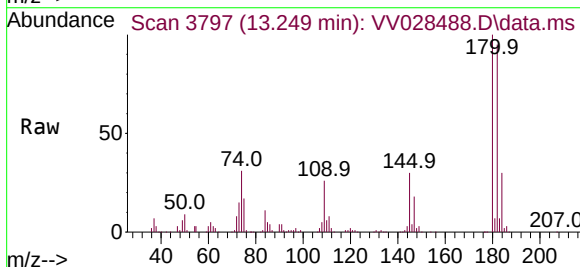
Tgt Ion:180 Resp: 183024

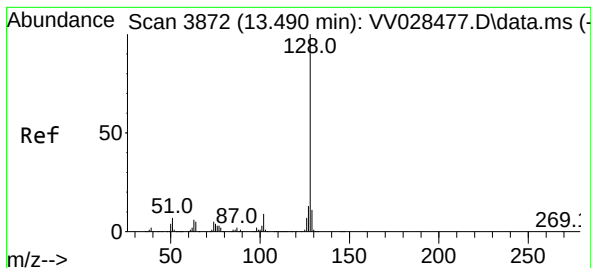
Ion Ratio Lower Upper

180 100

182 95.6 75.3 112.9

145 29.9 24.3 36.5





#71

Naphthalene

Concen: 60.296 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

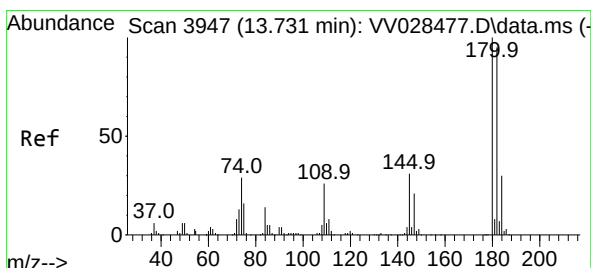
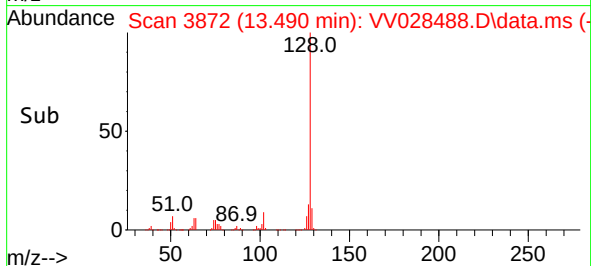
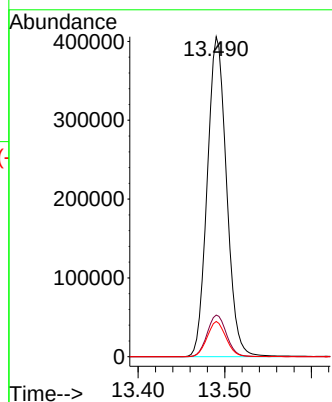
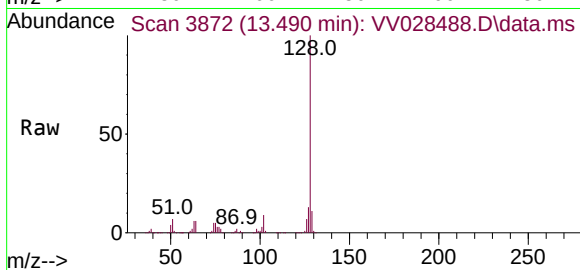
Tgt Ion:128 Resp: 628769

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 57.220 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028488.D

Acq: 09 Oct 2022 16:49

Tgt Ion:180 Resp: 187041

Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.0

145 31.1 26.5 39.7

