

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101322\
 Data File : VV028535.D
 Acq On : 13 Oct 2022 12:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

Quant Time: Oct 14 04:43:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 13 02:58:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	271328	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	247919	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	137602	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	95734	45.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.460%
7) Chloroethane-d5	1.564	69	73089	44.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.060%
11) 1,1-Dichloroethene-d2	2.104	63	175999	49.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.780%
21) 2-Butanone-d5	3.889	46	160722	87.696	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.700%
24) Chloroform-d	4.339	84	216014	56.258	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.520%
26) 1,2-Dichloroethane-d4	5.024	65	150877	60.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.860%
32) Benzene-d6	5.043	84	411343	51.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
36) 1,2-Dichloropropane-d6	6.063	67	124192	47.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.900%
41) Toluene-d8	7.307	98	371924	52.292	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.580%
43) trans-1,3-Dichloroprop...	7.612	79	71219	53.946	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.900%
47) 2-Hexanone-d5	8.082	63	133655	94.859	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.860%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	160995	45.423	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.840%
66) 1,2-Dichlorobenzene-d4	11.615	152	144922	50.828	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	128885	63.089	ug/L	99
3) Chloromethane	1.240	50	95184	41.387	ug/L	99
5) Vinyl chloride	1.307	62	100060	43.353	ug/L	99
6) Bromomethane	1.519	94	49146	46.699	ug/L	97
8) Chloroethane	1.584	64	61116	43.621	ug/L	100
9) Trichlorofluoromethane	1.751	101	175269	61.447	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	81446	50.382	ug/L	92
12) 1,1-Dichloroethene	2.114	96	78546	49.493	ug/L	95
13) Acetone	2.185	43	191836	135.124	ug/L	96
14) Carbon disulfide	2.288	76	259473	51.123	ug/L	100
15) Methyl Acetate	2.432	43	104264	43.497	ug/L	96
16) Methylene chloride	2.500	84	118733	57.571	ug/L	98
17) trans-1,2-Dichloroethene	2.754	96	99165	53.571	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	396219	58.225	ug/L	96
19) 1,1-Dichloroethane	3.182	63	201064	53.171	ug/L	98
20) cis-1,2-Dichloroethene	3.902	96	117121	55.540	ug/L	98
22) 2-Butanone	3.973	43	205413	109.753	ug/L	97
23) Bromochloromethane	4.239	128	57831	56.430	ug/L	89
25) Chloroform	4.365	83	212652	57.604	ug/L	100

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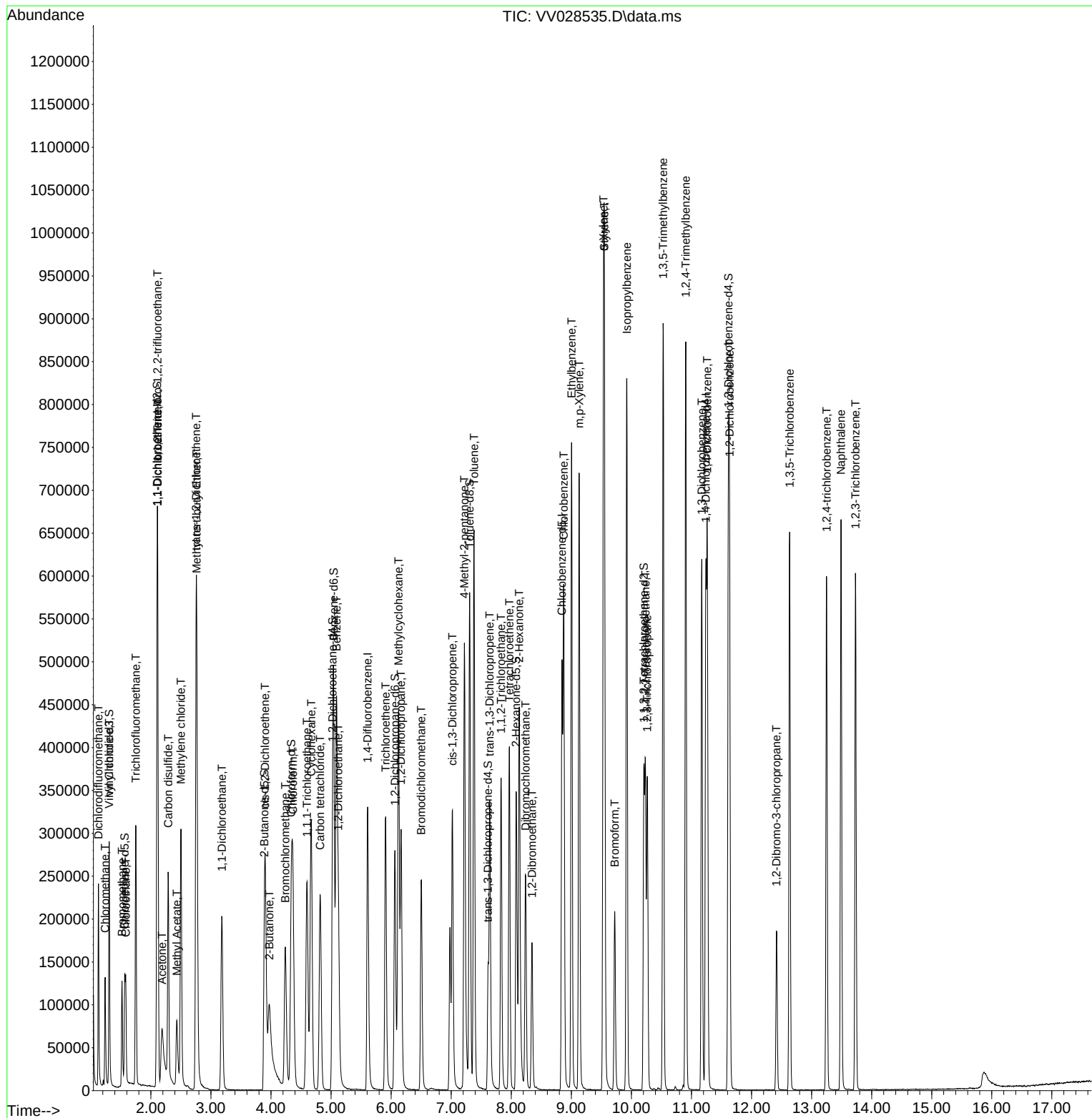
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.120	62	181892	64.307	ug/L	97
29) Cyclohexane	4.670	56	176509	49.499	ug/L	94
30) 1,1,1-Trichloroethane	4.600	97	198527	61.987	ug/L	99
31) Carbon tetrachloride	4.818	117	169349	63.166	ug/L	99
33) Benzene	5.092	78	431835	52.961	ug/L	100
34) Trichloroethene	5.908	95	108584	53.681	ug/L	95
35) Methylcyclohexane	6.124	83	182695	51.952	ug/L	97
37) 1,2-Dichloropropane	6.165	63	110183	50.404	ug/L	99
38) Bromodichloromethane	6.503	83	163006	57.236	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	190321	54.727	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	378492	101.519	ug/L	97
42) Toluene	7.381	91	460438	54.784	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	186643	55.920	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	106216	52.459	ug/L	99
46) Tetrachloroethene	7.969	164	84326	58.019	ug/L	98
48) 2-Hexanone	8.133	43	312067	109.032	ug/L	98
49) Dibromochloromethane	8.239	129	121611	55.877	ug/L	97
50) 1,2-Dibromoethane	8.345	107	107021	51.047	ug/L	99
51) Chlorobenzene	8.873	112	292788	55.525	ug/L	98
52) Ethylbenzene	9.005	91	506722	55.316	ug/L	100
53) m,p-Xylene	9.130	106	190373	54.829	ug/L	99
54) o-Xylene	9.535	106	190283	54.733	ug/L	97
55) Styrene	9.551	104	332393	55.675	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	164892	47.553	ug/L	98
59) Bromoform	9.722	173	88480	51.925	ug/L	99
60) Isopropylbenzene	9.924	105	518088	52.251	ug/L	98
61) 1,2,3-Trichloropropane	10.265	75	136505	46.598	ug/L	96
62) 1,3,5-Trimethylbenzene	10.529	105	459012	53.450	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	455584	53.447	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	236700	54.579	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	233959	54.064	ug/L	98
67) 1,2-Dichlorobenzene	11.635	146	236118	53.944	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	45143	50.358	ug/L	92
69) 1,3,5-Trichlorobenzene	12.635	180	188790	57.315	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	171759	59.161	ug/L	99
71) Naphthalene	13.490	128	502907	55.692	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	169036	59.718	ug/L	98

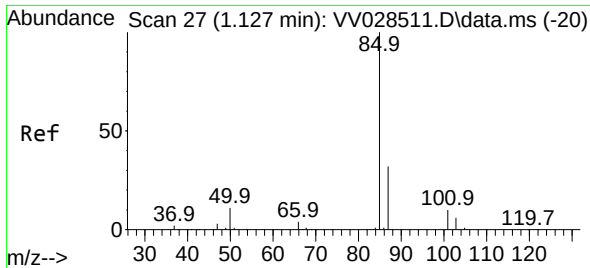
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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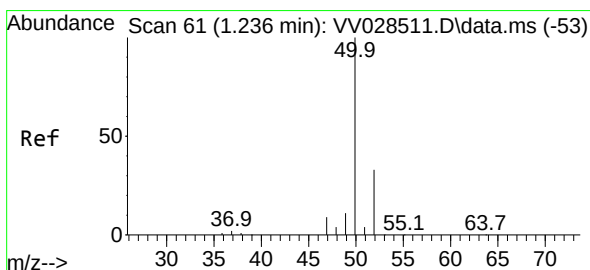
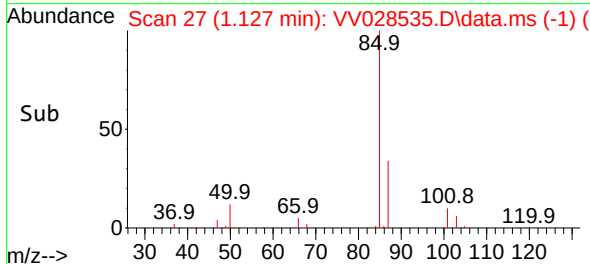
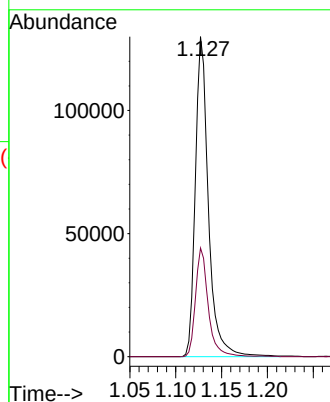
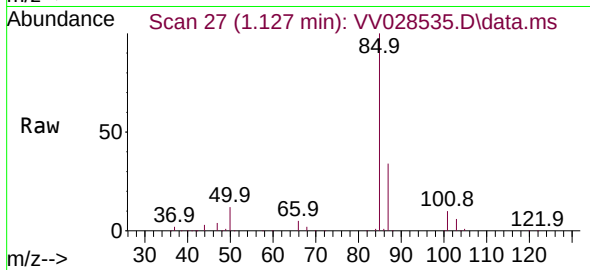




#2
 Dichlorodifluoromethane
 Concen: 63.089 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

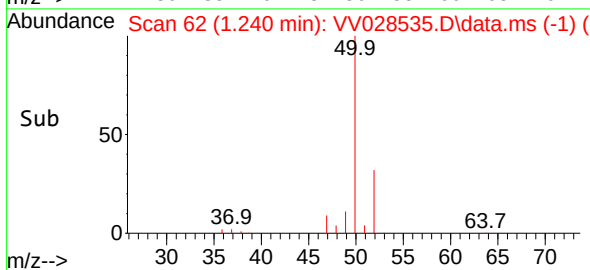
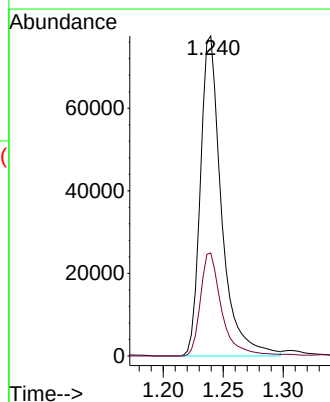
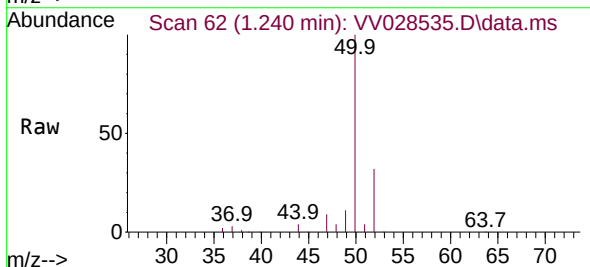
Instrument :
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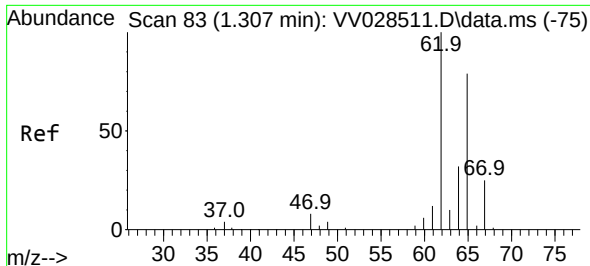
Tgt Ion: 85 Resp: 128885
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9



#3
 Chloromethane
 Concen: 41.387 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Tgt Ion: 50 Resp: 95184
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.7 42.3

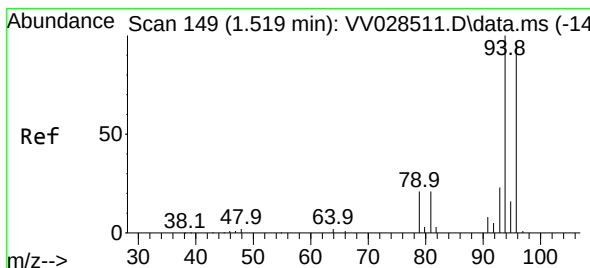
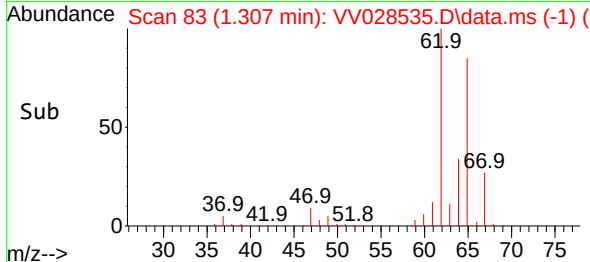
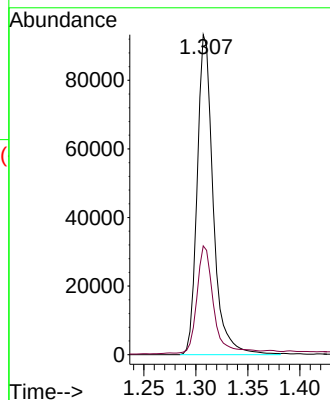
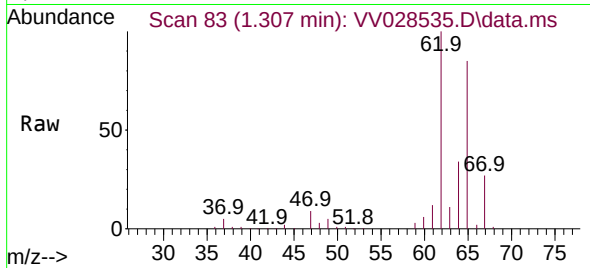




#5
 Vinyl chloride
 Concen: 43.353 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

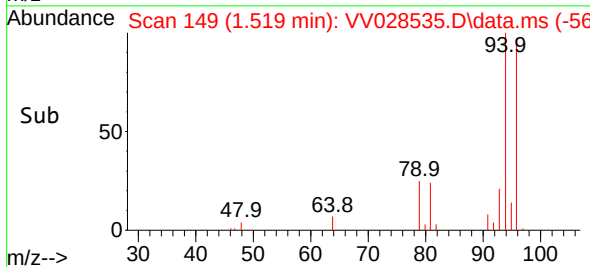
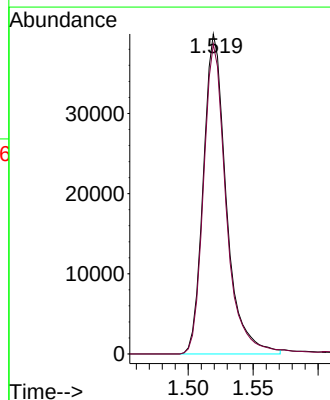
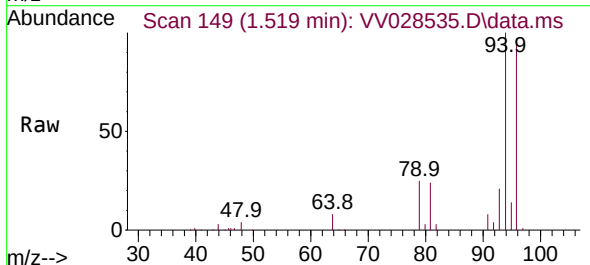
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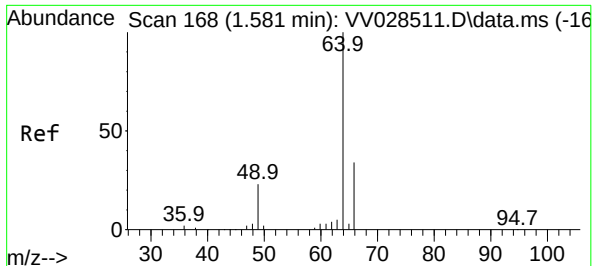
Tgt Ion: 62 Resp: 100060
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.3 43.3



#6
 Bromomethane
 Concen: 46.699 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Tgt Ion: 94 Resp: 49146
 Ion Ratio Lower Upper
 94 100
 96 96.8 65.5 121.6

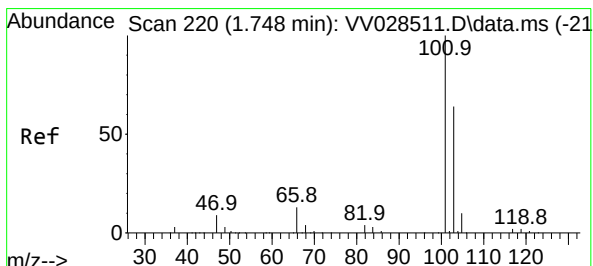
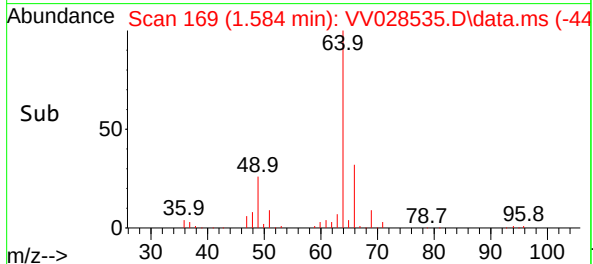
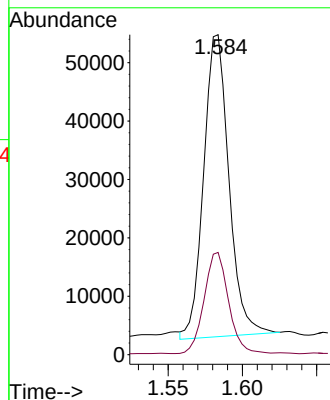
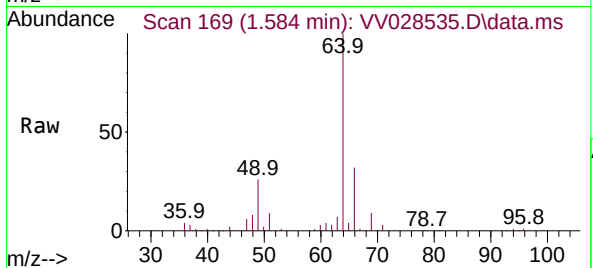




#8
Chloroethane
Concen: 43.621 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

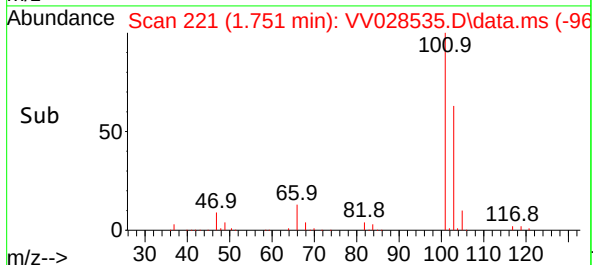
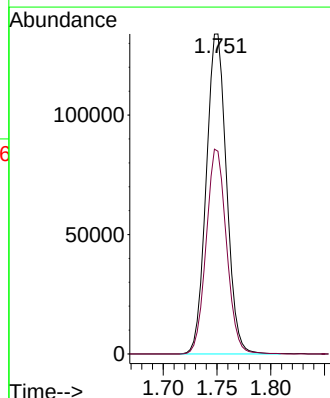
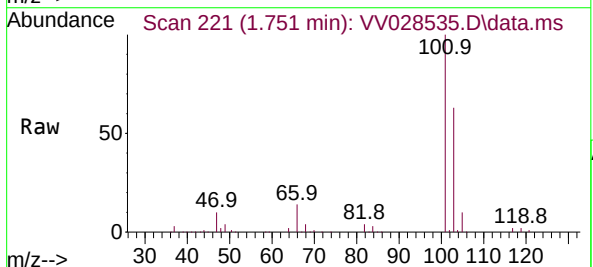
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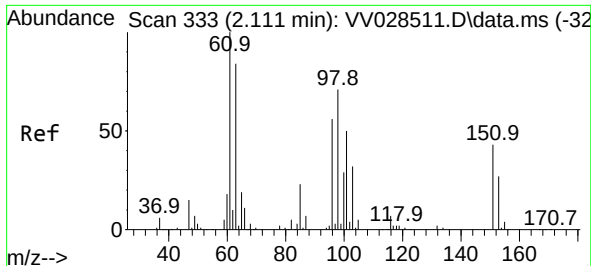
Tgt Ion: 64 Resp: 61116
Ion Ratio Lower Upper
64 100
66 31.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 61.447 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion:101 Resp: 175269
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

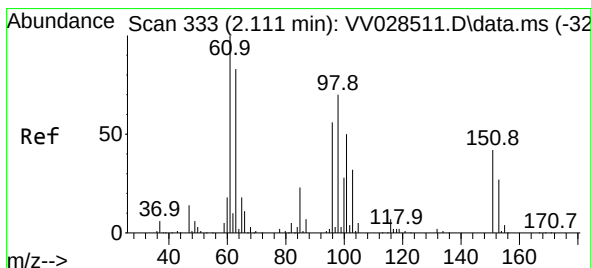
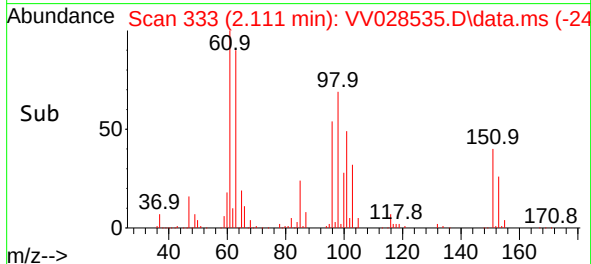
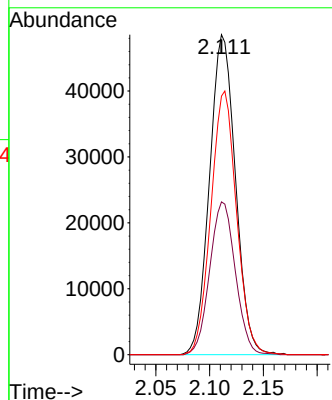
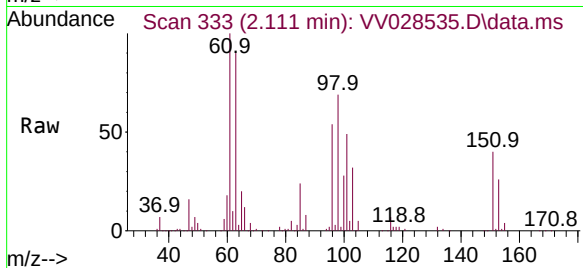




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.382 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV028535.D
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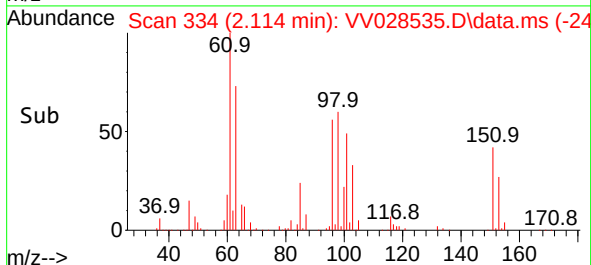
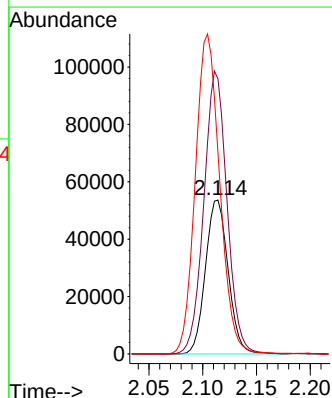
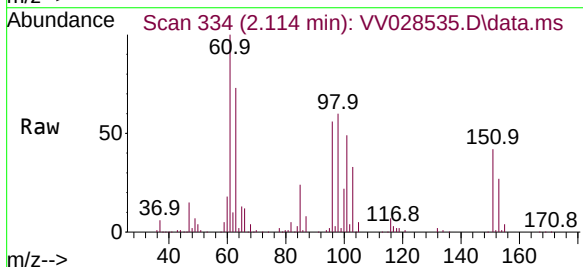
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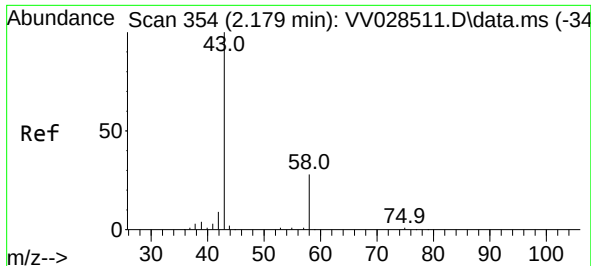
Tgt Ion:101 Resp: 81446
 Ion Ratio Lower Upper
 101 100
 85 47.1 34.9 52.3
 151 81.6 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 49.493 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Tgt Ion: 96 Resp: 78546
 Ion Ratio Lower Upper
 96 100
 61 178.7 125.6 233.2
 63 130.9 100.0 185.6





#13

Acetone

Concen: 135.124 ug/L

RT: 2.185 min Scan# 356

Delta R.T. 0.000 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

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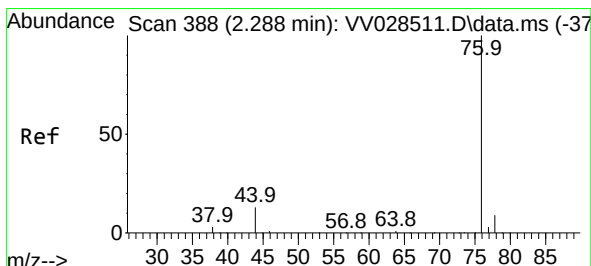
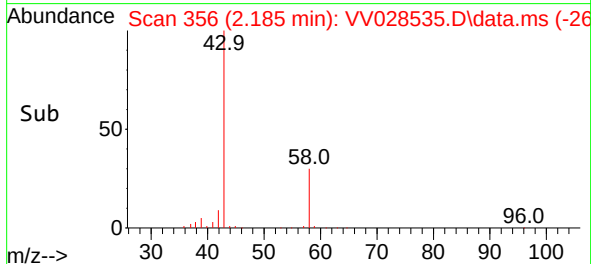
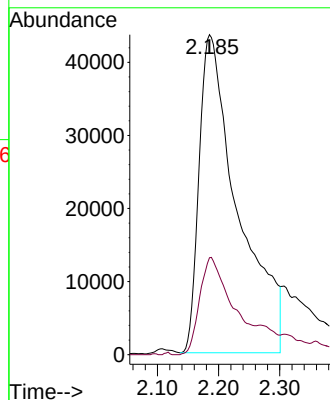
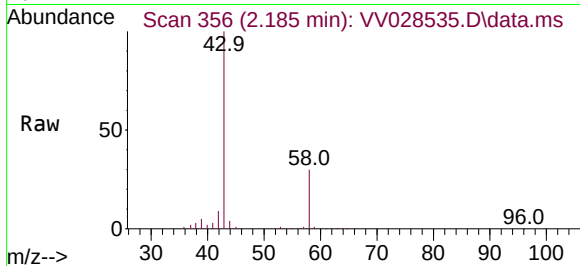
VSTD050361

Tgt Ion: 43 Resp: 191836

Ion Ratio Lower Upper

43 100

58 25.6 0.0 47.0



#14

Carbon disulfide

Concen: 51.123 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV028535.D

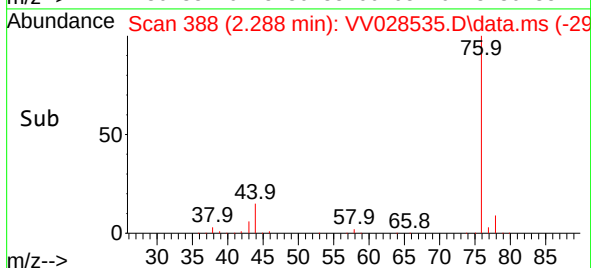
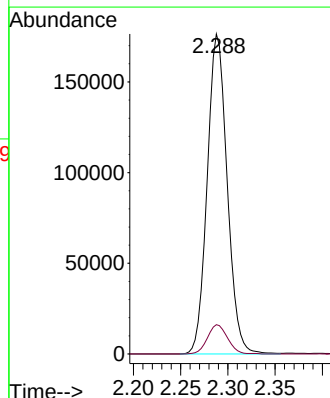
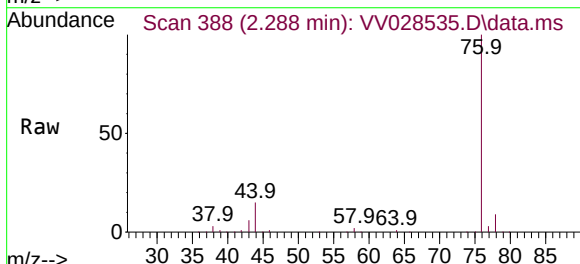
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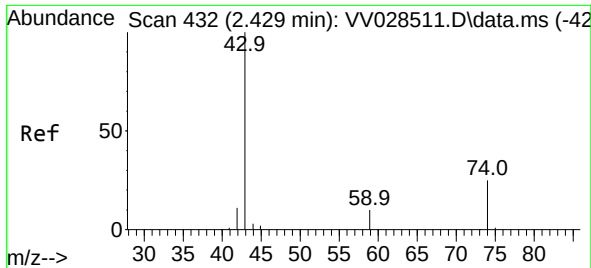
Tgt Ion: 76 Resp: 259473

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

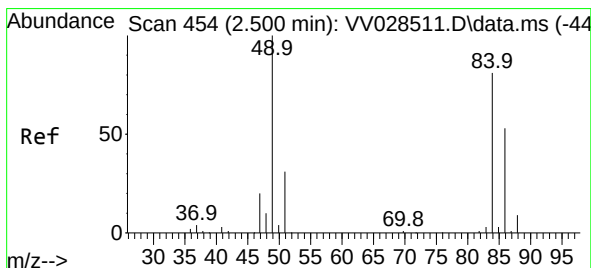
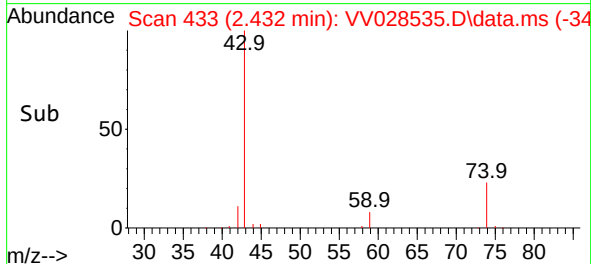
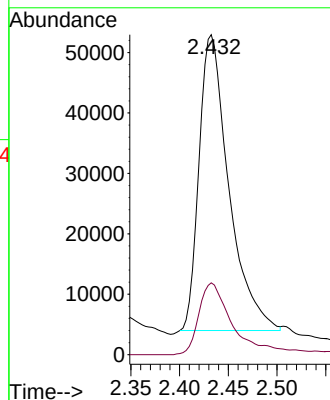
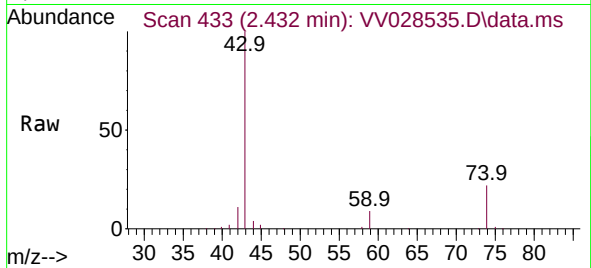




#15
Methyl Acetate
Concen: 43.497 ug/L
RT: 2.432 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

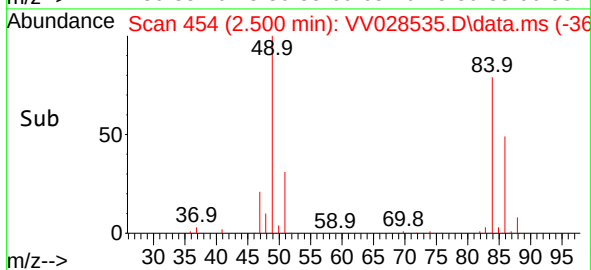
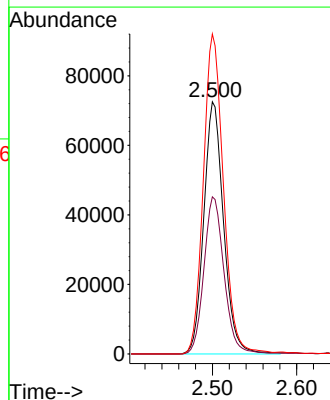
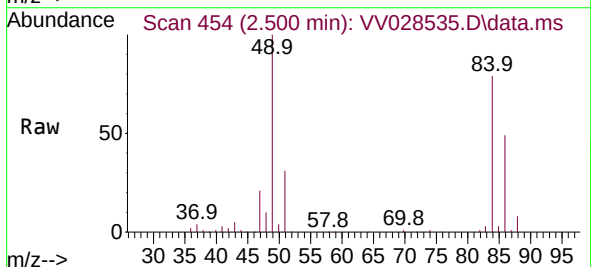
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

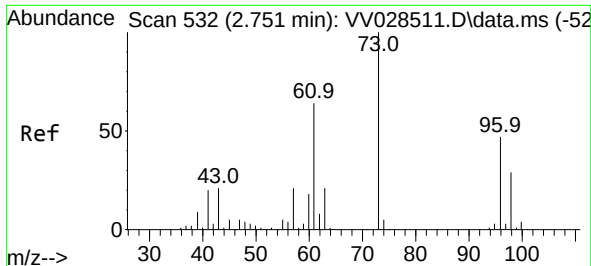
Tgt Ion: 43 Resp: 104264
Ion Ratio Lower Upper
43 100
74 25.5 18.8 28.2



#16
Methylene chloride
Concen: 57.571 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 84 Resp: 118733
Ion Ratio Lower Upper
84 100
86 62.3 44.2 82.2
49 126.9 90.5 168.1

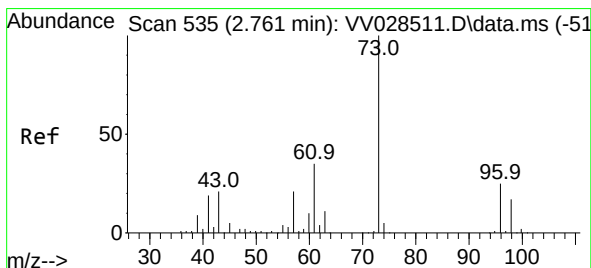
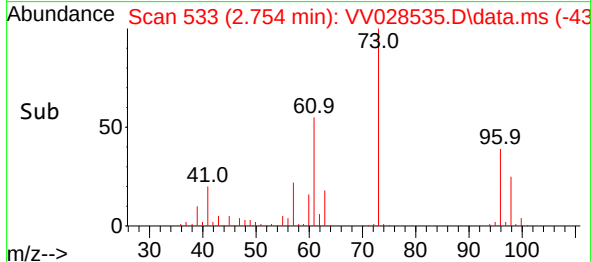
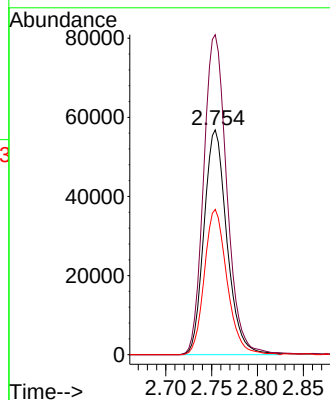
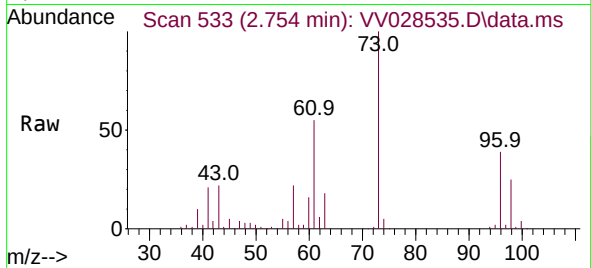




#17
trans-1,2-Dichloroethene
Concen: 53.571 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

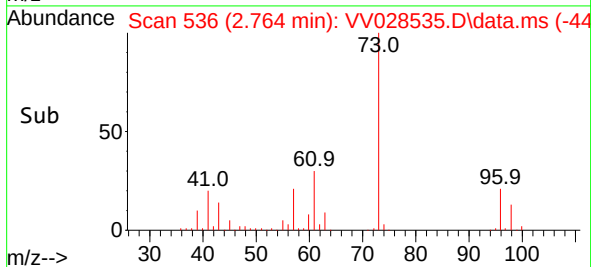
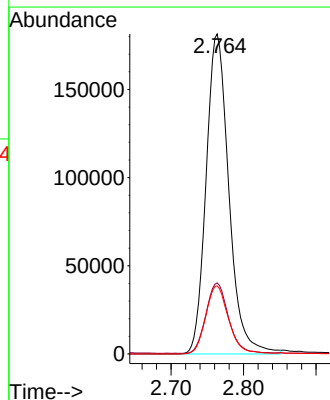
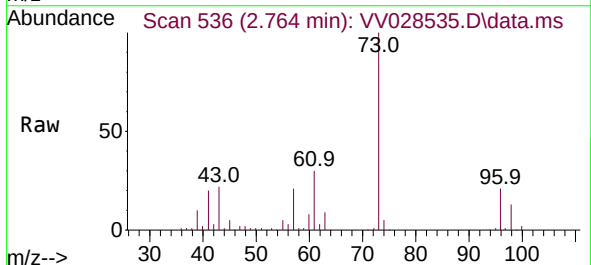
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

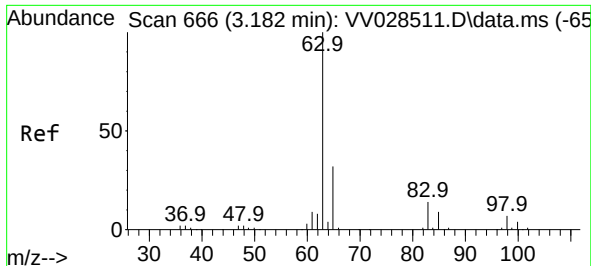
Tgt Ion: 96 Resp: 99165
Ion Ratio Lower Upper
96 100
61 142.3 104.8 194.6
98 64.6 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 58.225 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 73 Resp: 396219
Ion Ratio Lower Upper
73 100
43 21.7 15.6 23.4
57 21.4 18.2 27.4

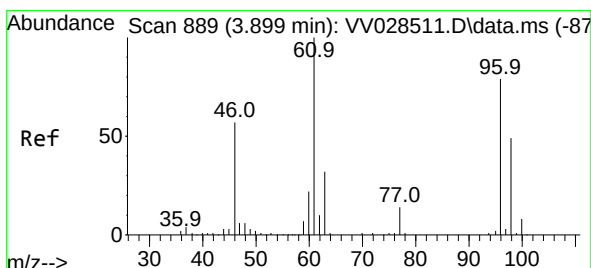
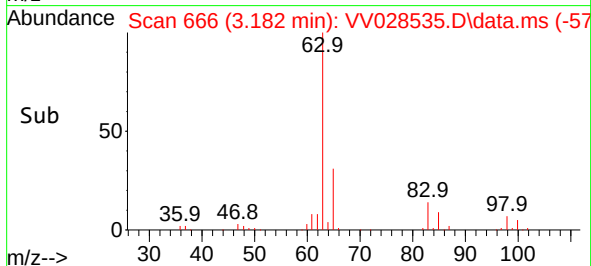
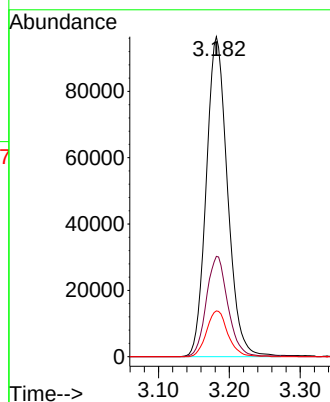
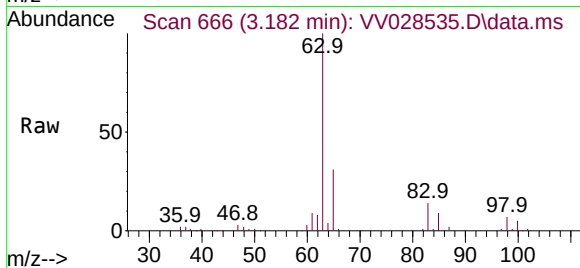




#19
1,1-Dichloroethane
Concen: 53.171 ug/L
RT: 3.182 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

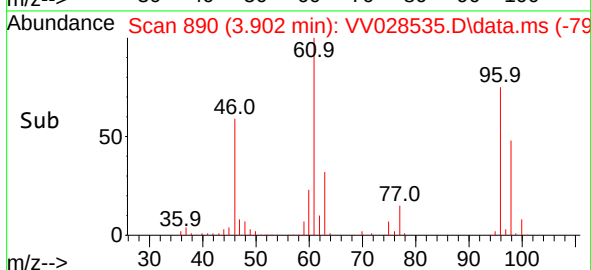
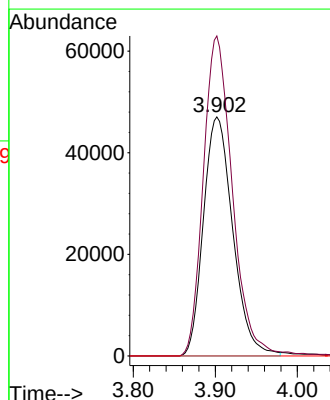
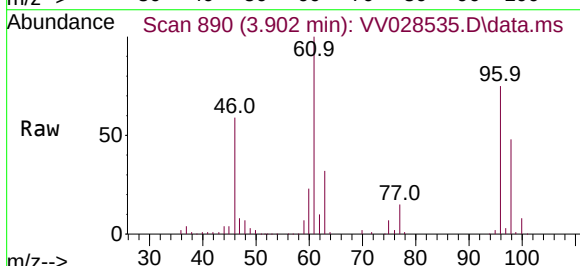
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

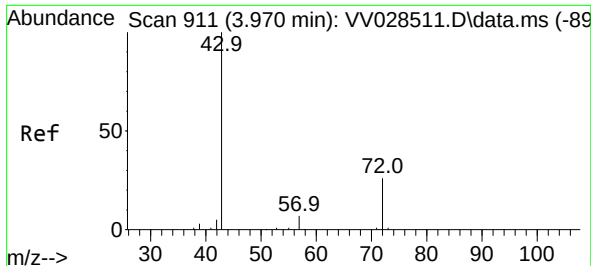
Tgt Ion: 63 Resp: 201064
Ion Ratio Lower Upper
63 100
65 31.3 22.6 42.0
83 14.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 55.540 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 96 Resp: 117121
Ion Ratio Lower Upper
96 100
61 133.8 95.0 176.4
68 0.0 0.0 0.0

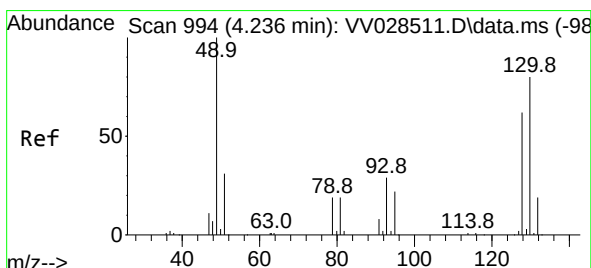
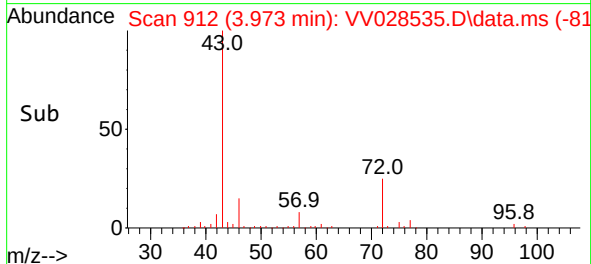
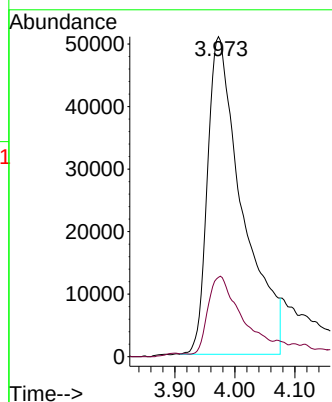
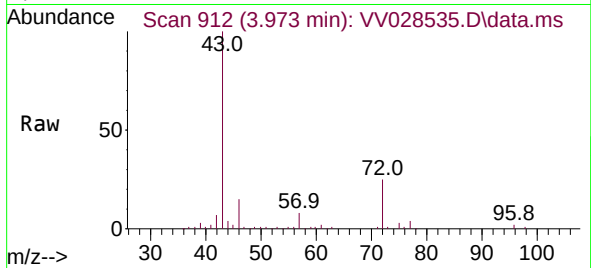




#22
2-Butanone
Concen: 109.753 ug/L
RT: 3.973 min Scan# 911
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

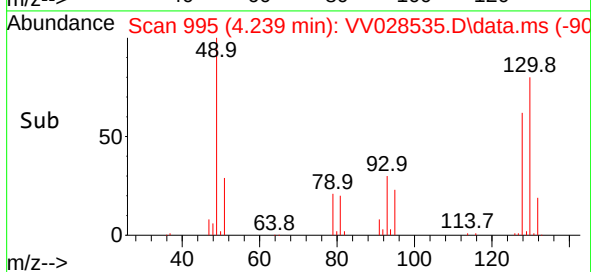
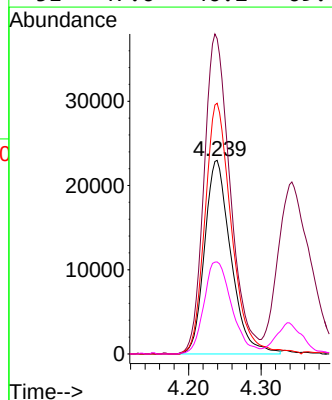
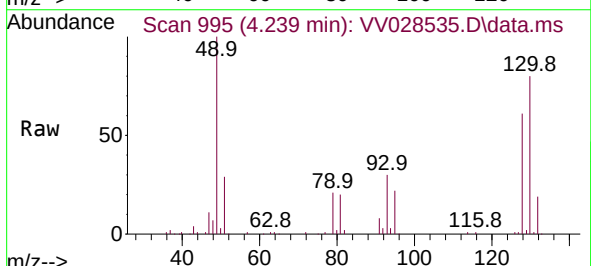
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

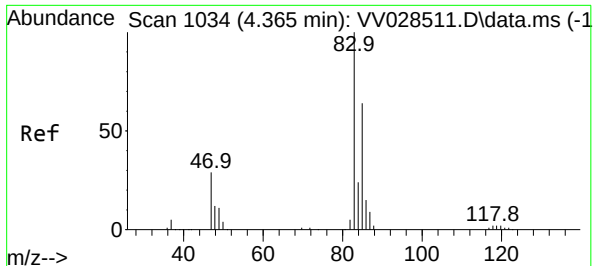
Tgt Ion: 43 Resp: 205413
Ion Ratio Lower Upper
43 100
72 23.4 11.1 33.1



#23
Bromochloromethane
Concen: 56.430 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion:128 Resp: 57831
Ion Ratio Lower Upper
128 100
49 162.8 130.6 242.6
130 129.5 90.0 167.2
51 47.6 46.2 69.4





#25

Chloroform

Concen: 57.604 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

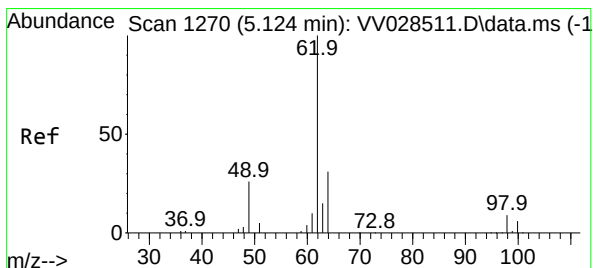
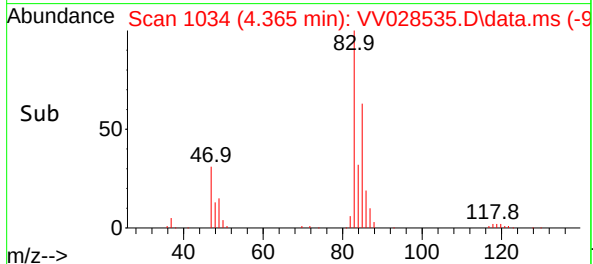
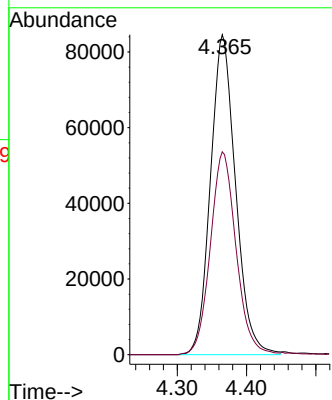
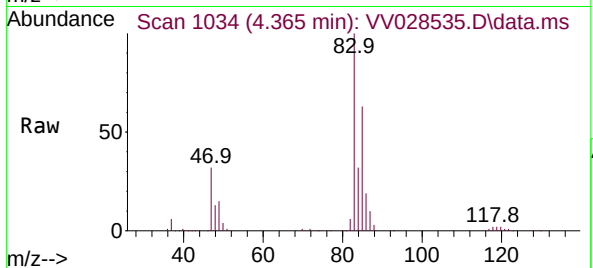
VSTD050361

Tgt Ion: 83 Resp: 212652

Ion Ratio Lower Upper

83 100

85 63.4 44.5 82.7



#27

1,2-Dichloroethane

Concen: 64.307 ug/L

RT: 5.120 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VV028535.D

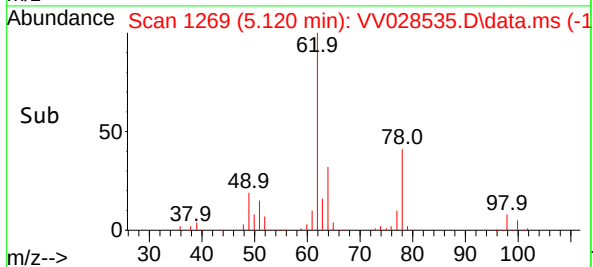
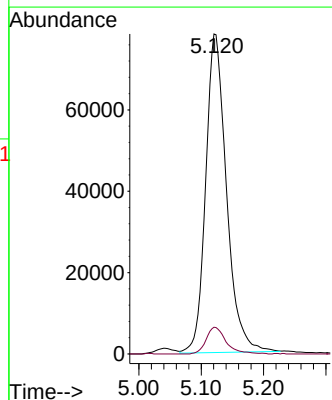
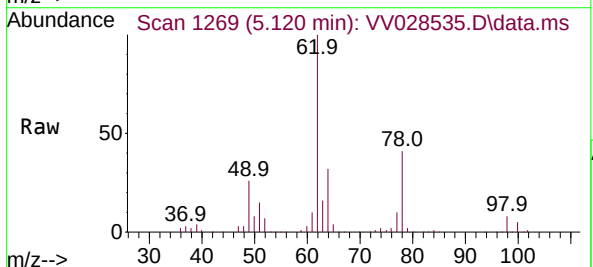
Acq: 13 Oct 2022 12:22

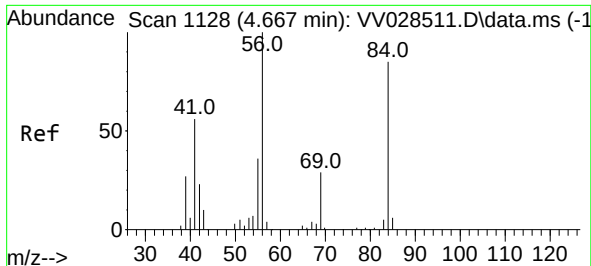
Tgt Ion: 62 Resp: 181892

Ion Ratio Lower Upper

62 100

98 8.4 7.6 11.4





#29

Cyclohexane

Concen: 49.499 ug/L

RT: 4.670 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

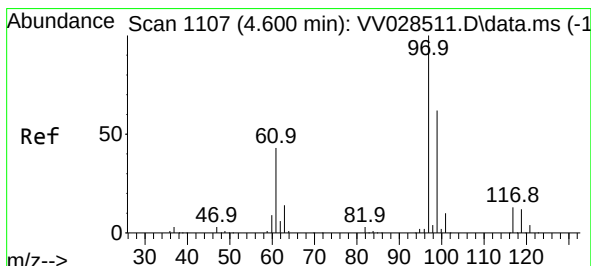
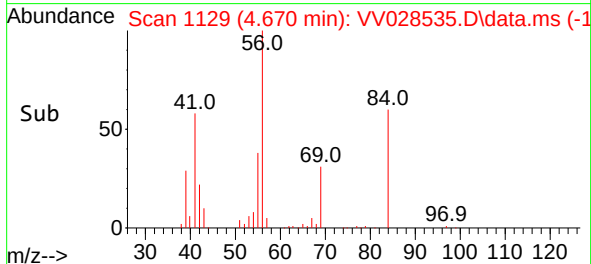
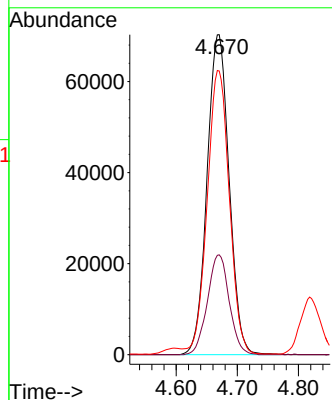
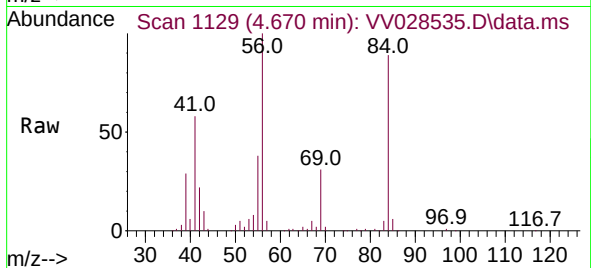
Tgt Ion: 56 Resp: 176509

Ion Ratio Lower Upper

56 100

69 30.8 23.0 34.6

84 88.9 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 61.987 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

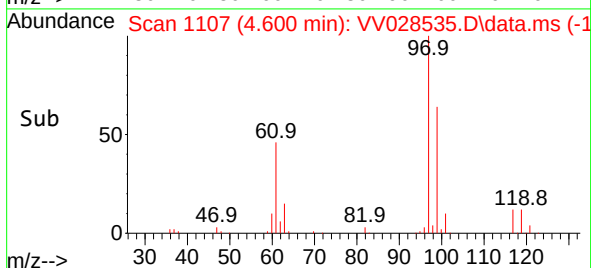
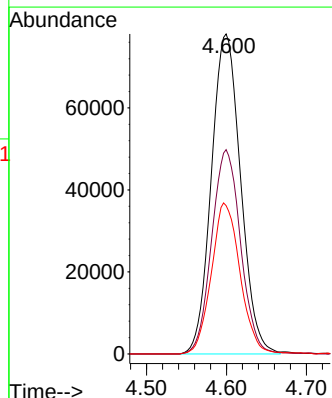
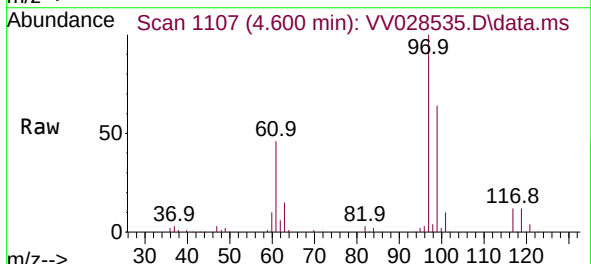
Tgt Ion: 97 Resp: 198527

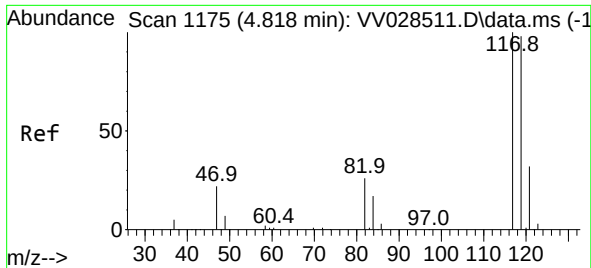
Ion Ratio Lower Upper

97 100

99 63.1 50.2 75.2

61 46.4 35.8 53.6

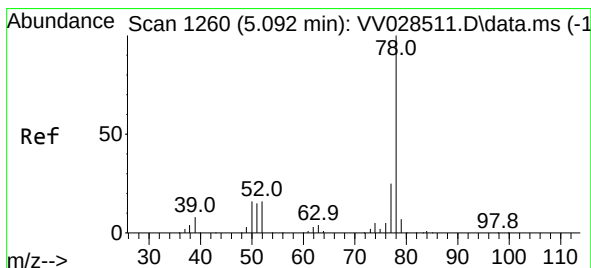
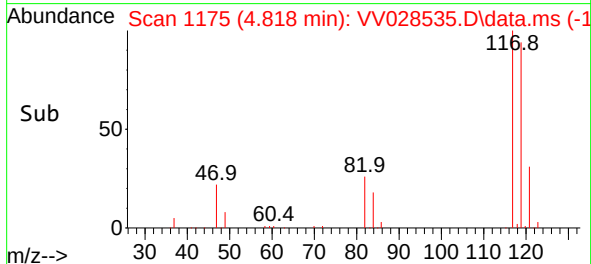
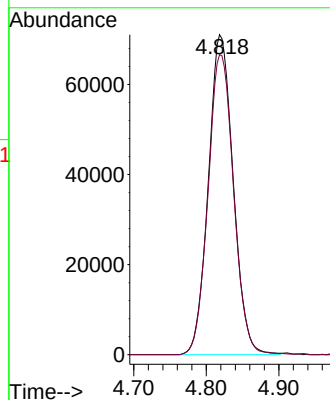
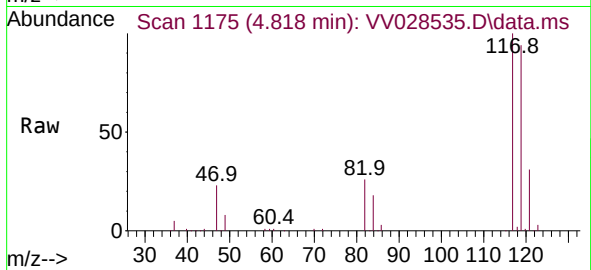




#31
Carbon tetrachloride
Concen: 63.166 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

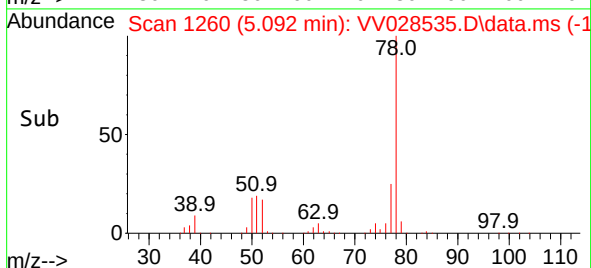
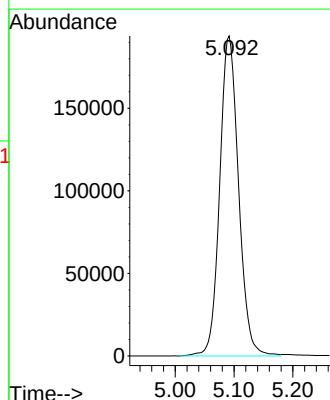
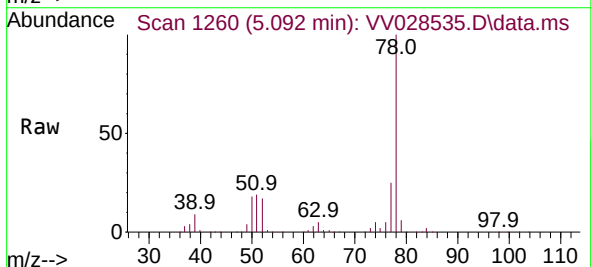
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

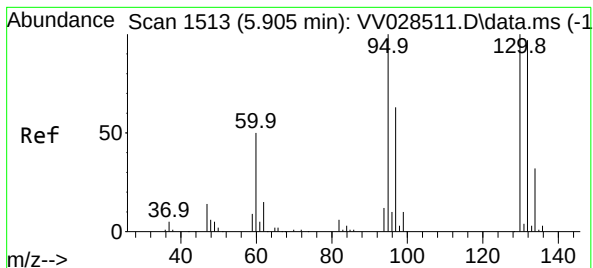
Tgt Ion:117 Resp: 169349
Ion Ratio Lower Upper
117 100
119 96.0 78.0 117.0



#33
Benzene
Concen: 52.961 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 78 Resp: 431835





#34

Trichloroethene

Concen: 53.681 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

Tgt Ion: 95 Resp: 108584

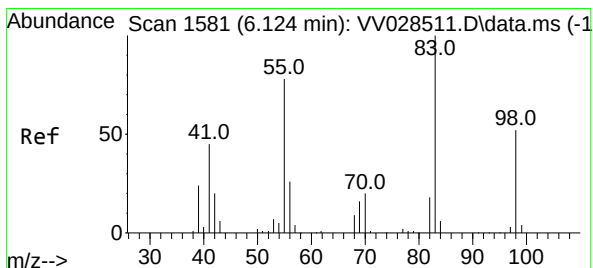
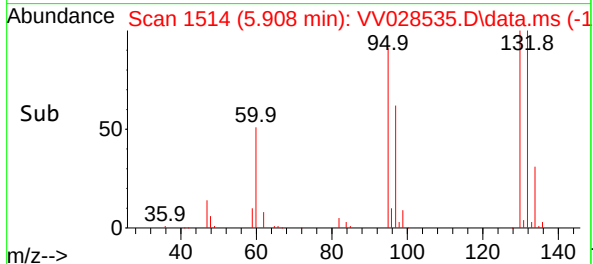
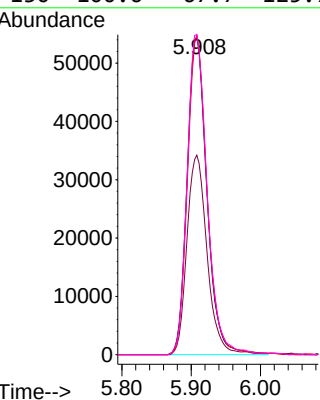
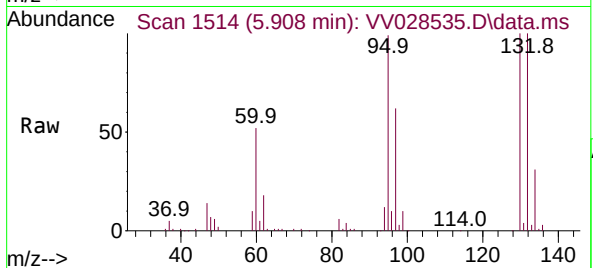
Ion Ratio Lower Upper

95 100

97 62.7 44.4 82.4

132 100.4 64.3 119.5

130 100.6 67.7 125.7



#35

Methylcyclohexane

Concen: 51.952 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

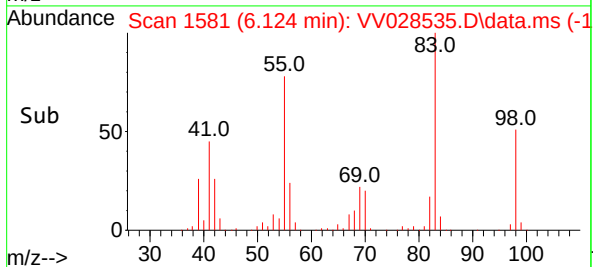
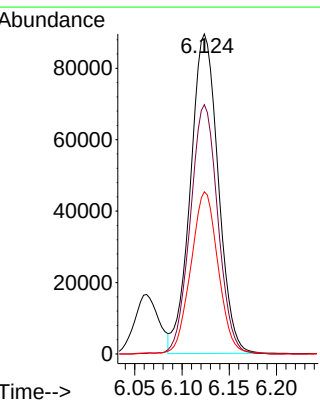
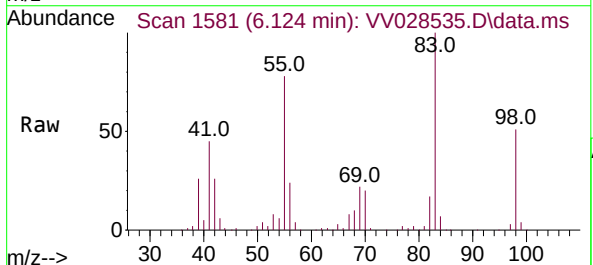
Tgt Ion: 83 Resp: 182695

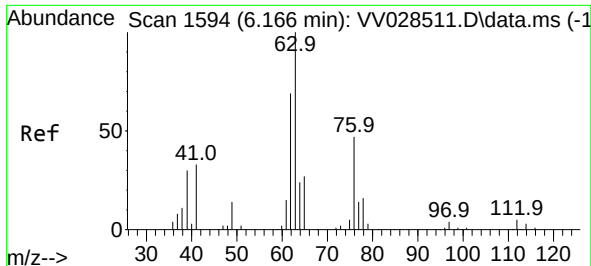
Ion Ratio Lower Upper

83 100

55 77.4 63.7 95.5

98 49.9 38.2 57.2





#37

1,2-Dichloropropane

Concen: 50.404 ug/L

RT: 6.165 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

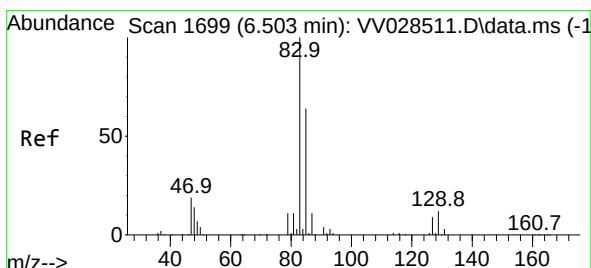
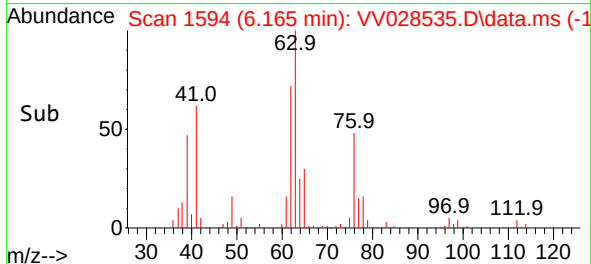
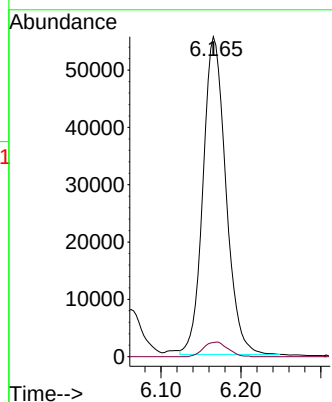
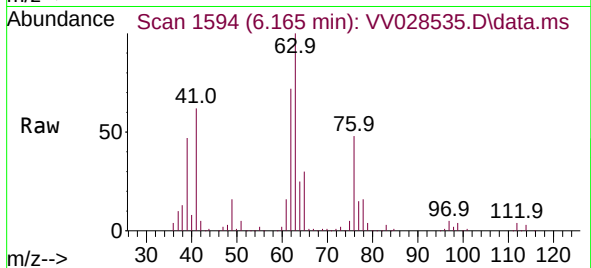
VSTD050361

Tgt Ion: 63 Resp: 110183

Ion Ratio Lower Upper

63 100

112 4.9 3.5 5.3



#38

Bromodichloromethane

Concen: 57.236 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

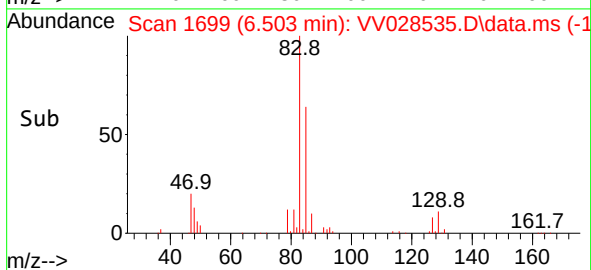
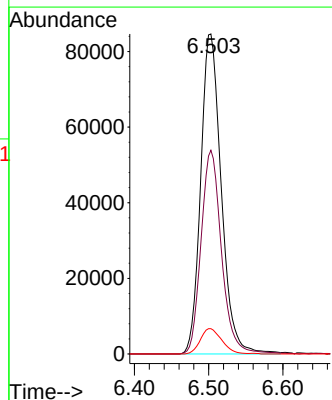
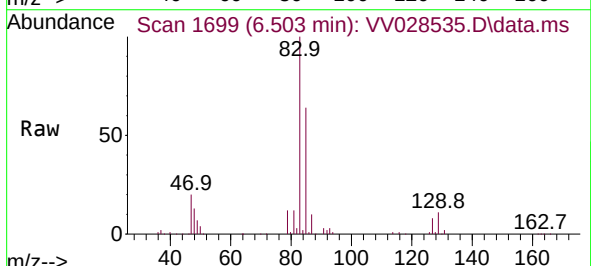
Tgt Ion: 83 Resp: 163006

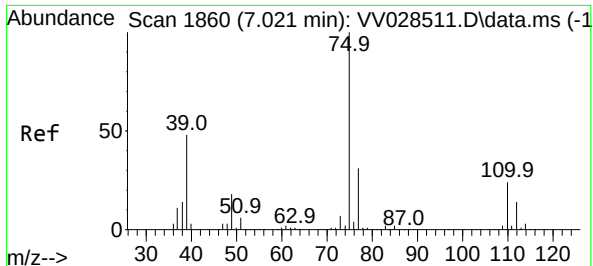
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

127 7.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.727 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

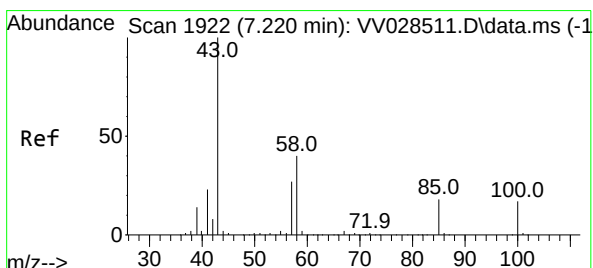
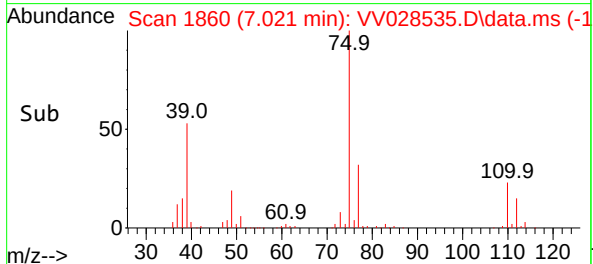
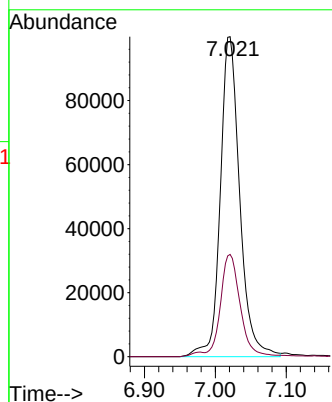
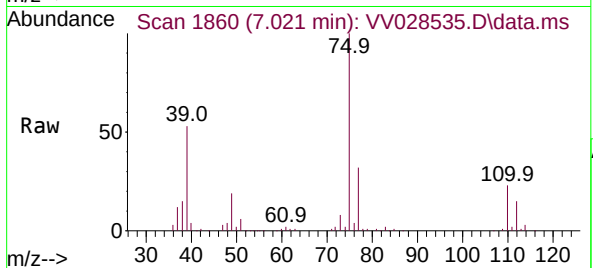
VSTD050361

Tgt Ion: 75 Resp: 190321

Ion Ratio Lower Upper

75 100

77 32.0 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 101.519 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

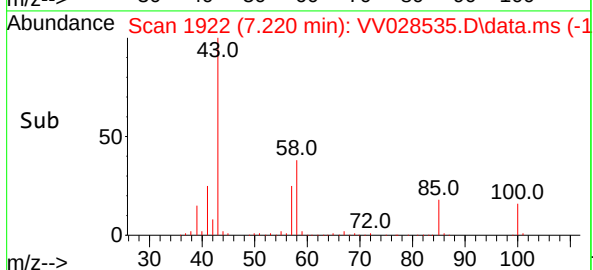
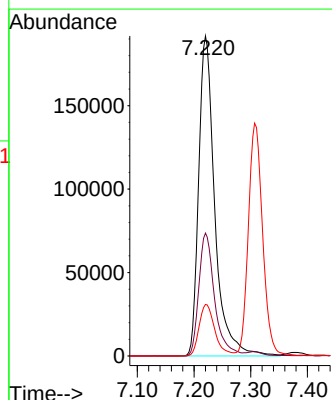
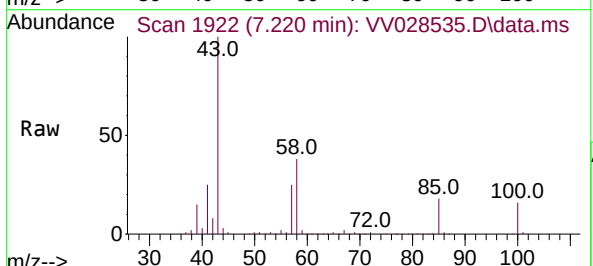
Tgt Ion: 43 Resp: 378492

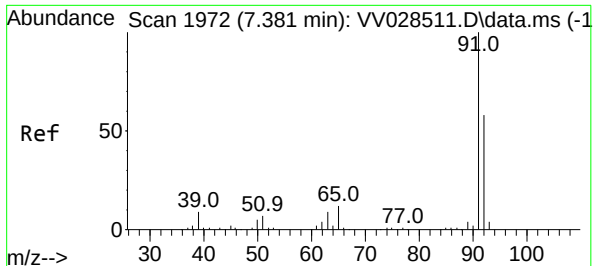
Ion Ratio Lower Upper

43 100

58 37.5 31.3 46.9

100 15.9 11.5 17.3





#42

Toluene

Concen: 54.784 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

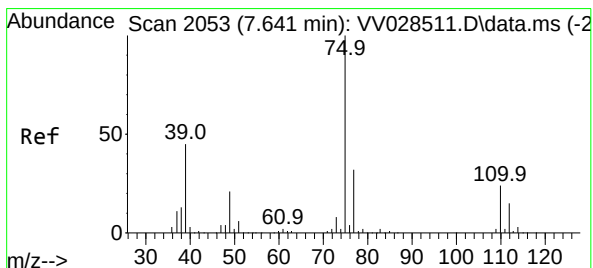
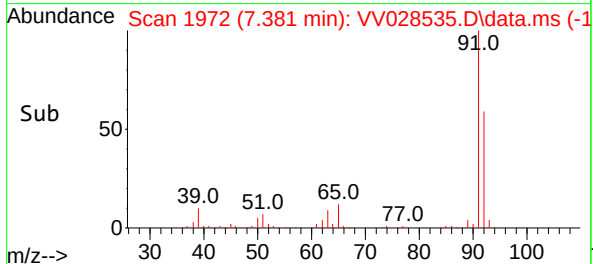
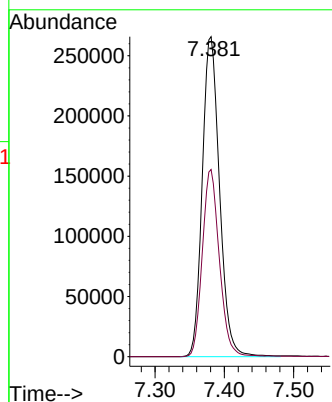
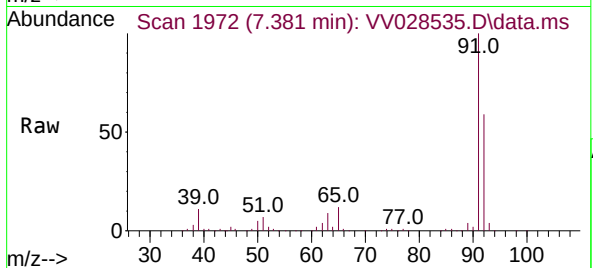
VSTD050361

Tgt Ion: 91 Resp: 460438

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 55.920 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV028535.D

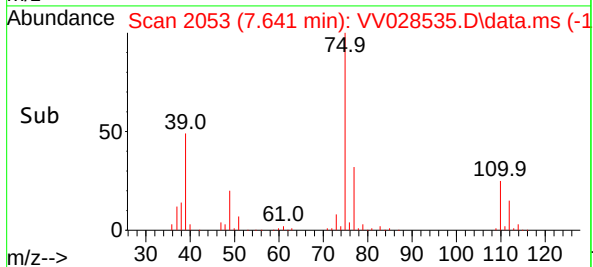
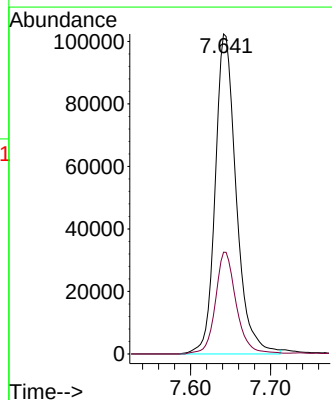
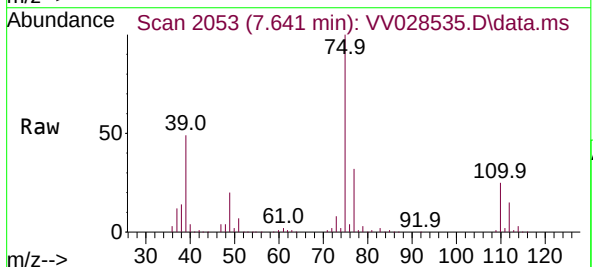
Acq: 13 Oct 2022 12:22

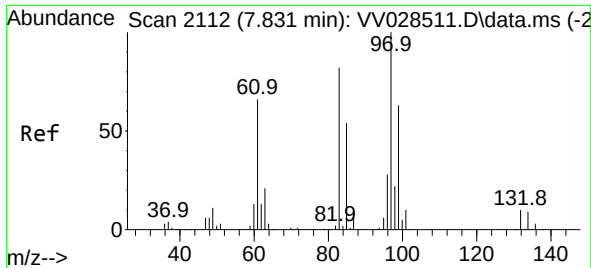
Tgt Ion: 75 Resp: 186643

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



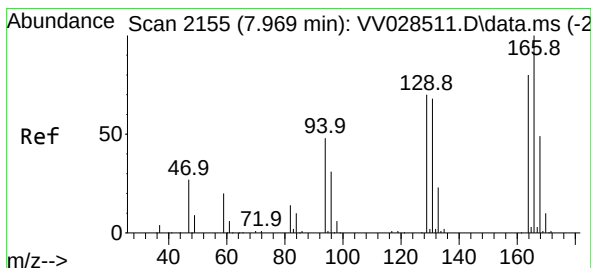
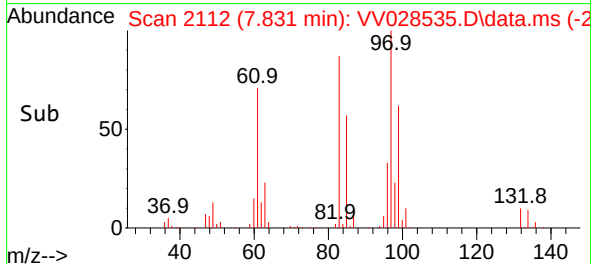
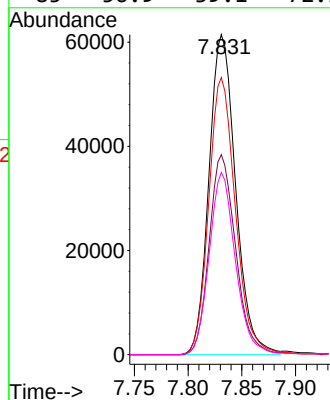
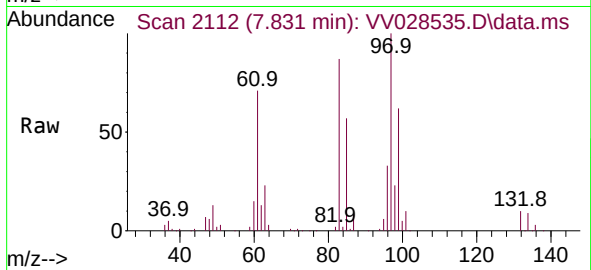


#45
1,1,2-Trichloroethane
Concen: 52.459 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

Tgt Ion: 97 Resp: 106216

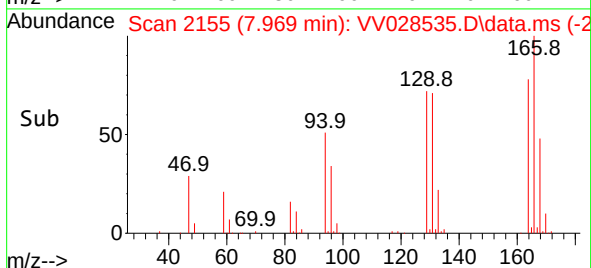
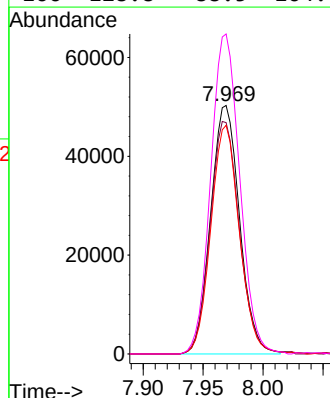
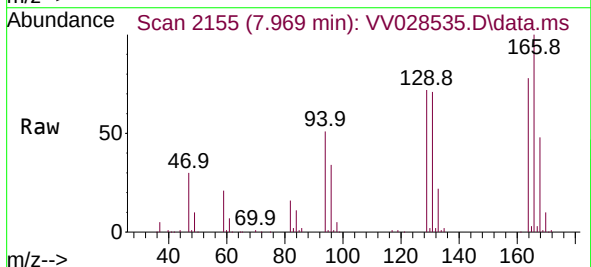
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.9	81.5
83	86.6	61.9	114.9
85	56.9	39.1	72.5

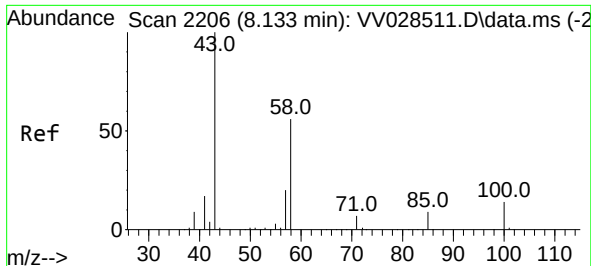


#46
Tetrachloroethene
Concen: 58.019 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 164 Resp: 84326

Ion	Ratio	Lower	Upper
164	100		
129	93.1	67.4	125.2
131	92.0	65.2	121.2
166	128.8	88.5	164.4



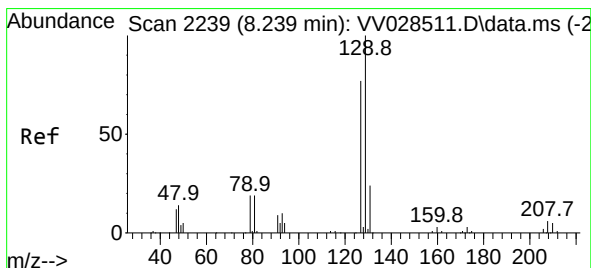
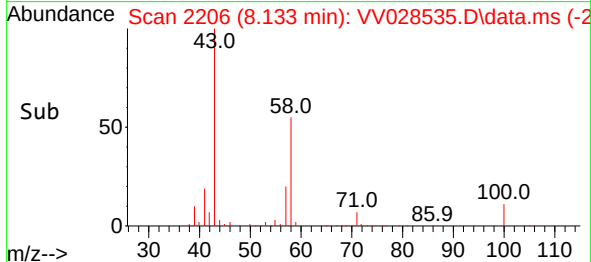
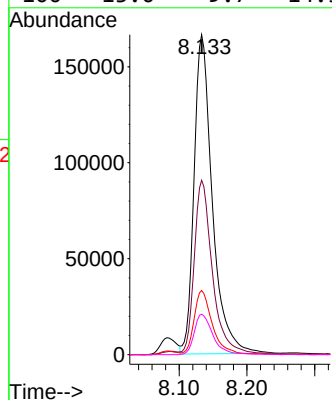
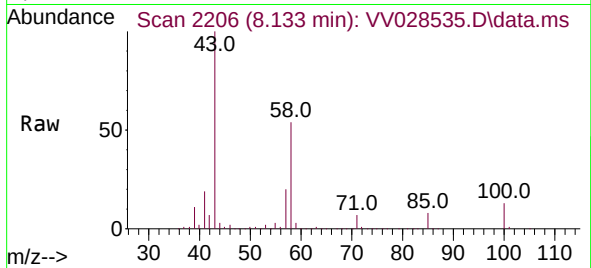


#48
2-Hexanone
Concen: 109.032 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

Tgt Ion: 43 Resp: 312067

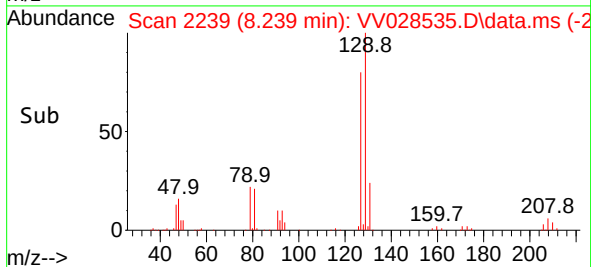
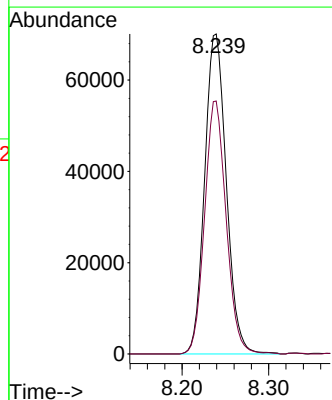
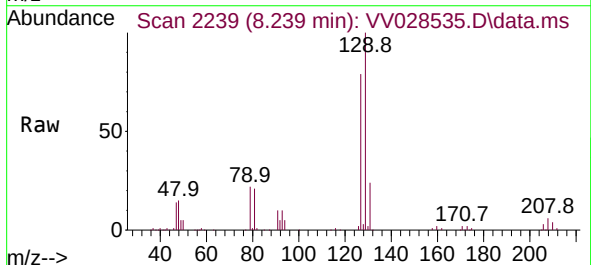
Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.9	65.9
57	19.6	15.1	22.7
100	13.0	9.7	14.5

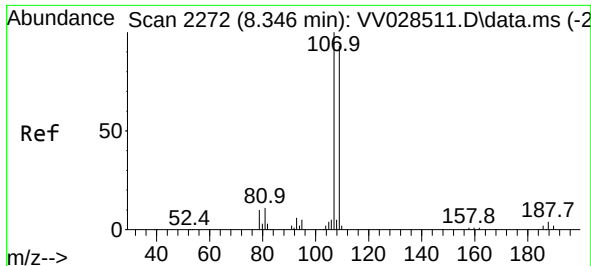


#49
Dibromochloromethane
Concen: 55.877 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 129 Resp: 121611

Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.6	99.6





#50

1,2-Dibromoethane

Concen: 51.047 ug/L

RT: 8.345 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

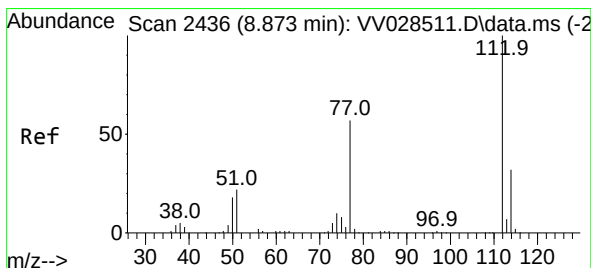
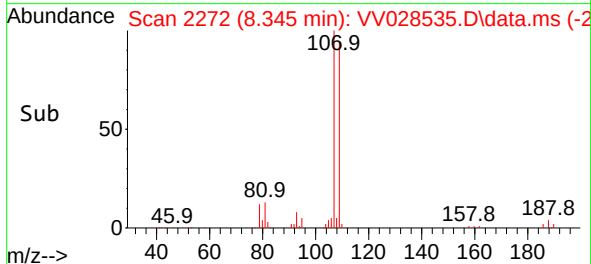
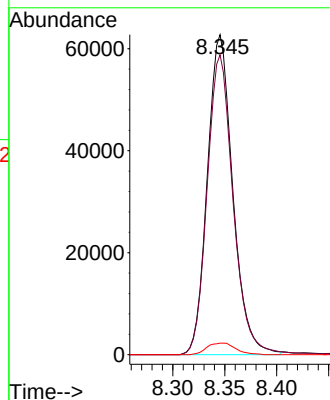
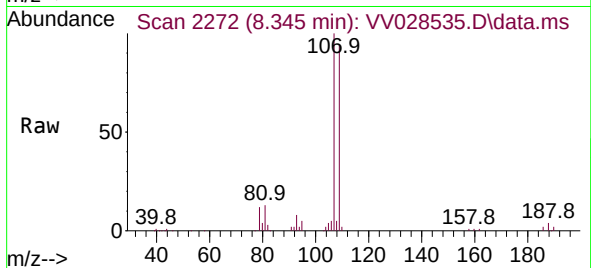
Tgt Ion:107 Resp: 107021

Ion Ratio Lower Upper

107 100

109 93.7 65.9 122.5

188 3.6 3.0 4.4



#51

Chlorobenzene

Concen: 55.525 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV028535.D

Acq: 13 Oct 2022 12:22

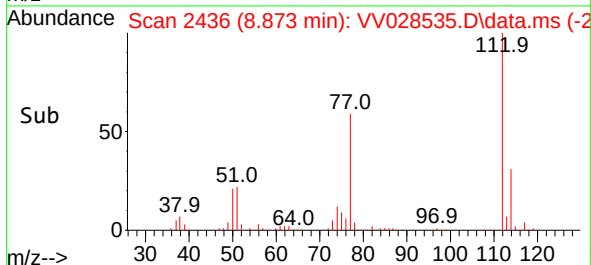
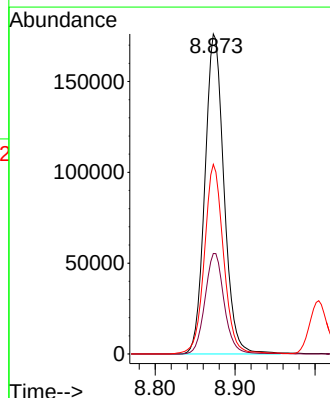
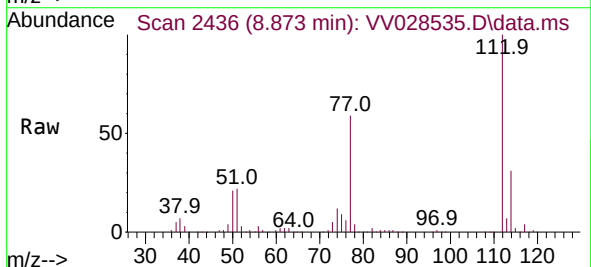
Tgt Ion:112 Resp: 292788

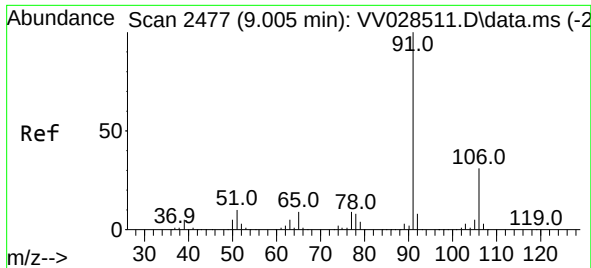
Ion Ratio Lower Upper

112 100

114 31.4 21.7 40.3

77 59.2 48.7 73.1

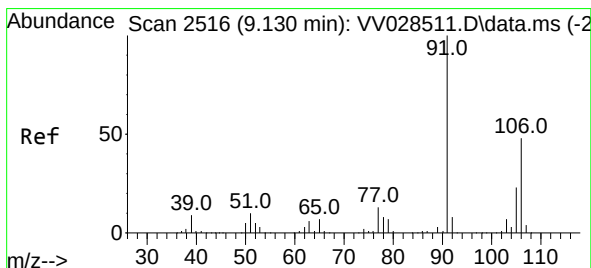
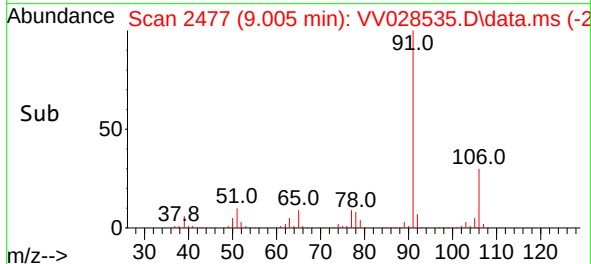
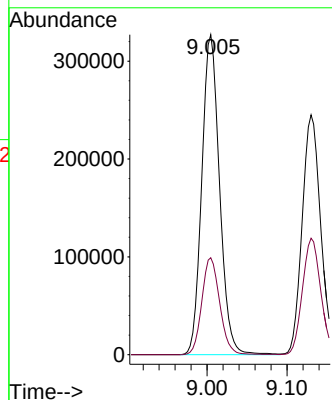
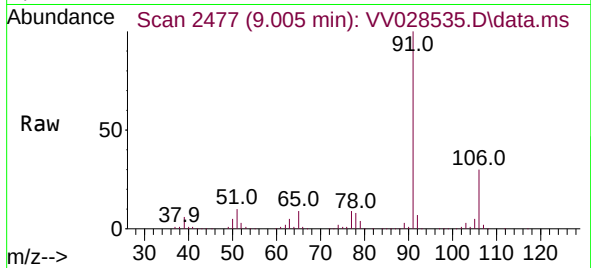




#52
Ethylbenzene
Concen: 55.316 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

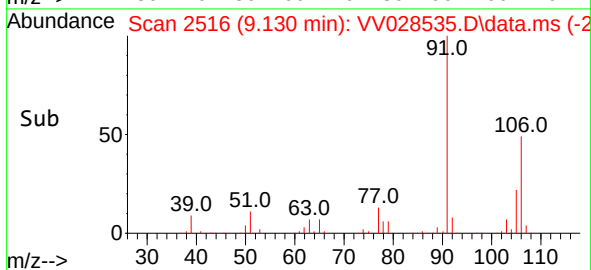
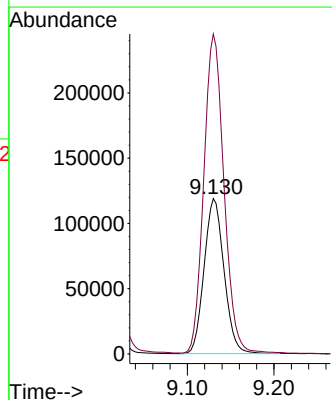
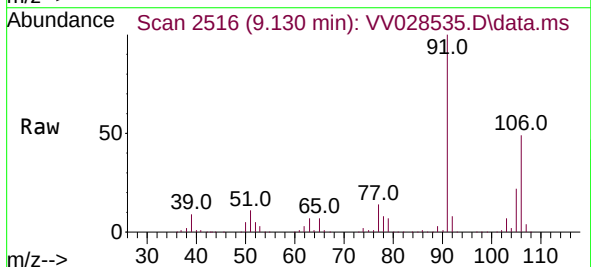
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

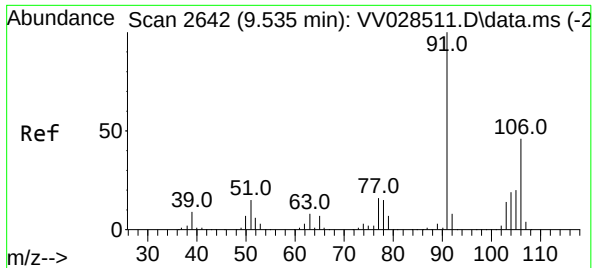
Tgt Ion: 91 Resp: 506722
Ion Ratio Lower Upper
91 100
106 30.3 21.4 39.8



#53
m,p-Xylene
Concen: 54.829 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 106 Resp: 190373
Ion Ratio Lower Upper
106 100
91 205.9 145.2 269.6

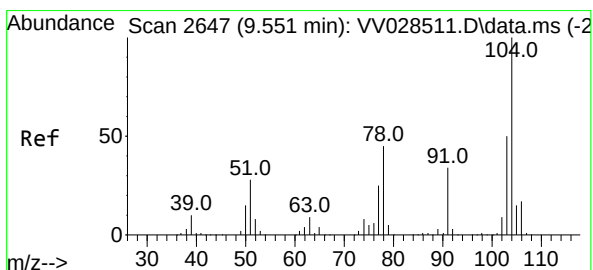
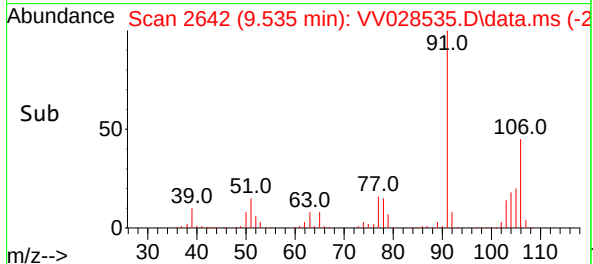
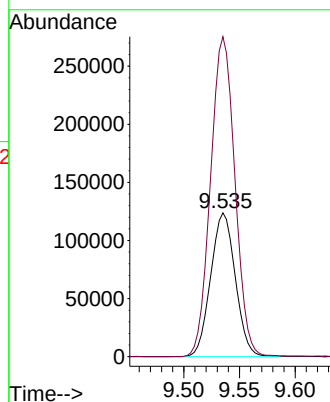
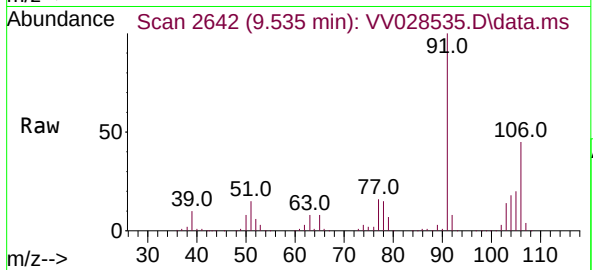




#54
o-Xylene
Concen: 54.733 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

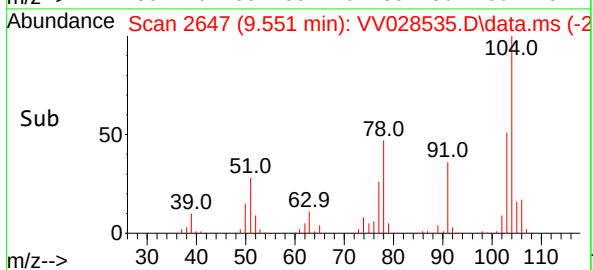
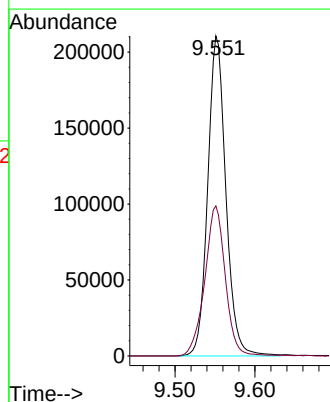
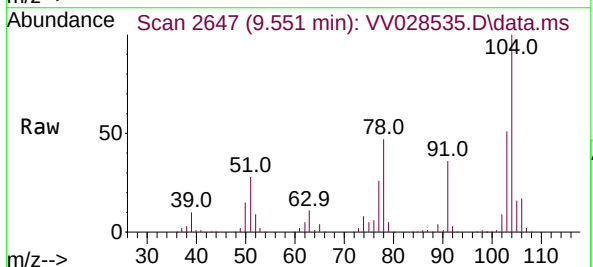
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

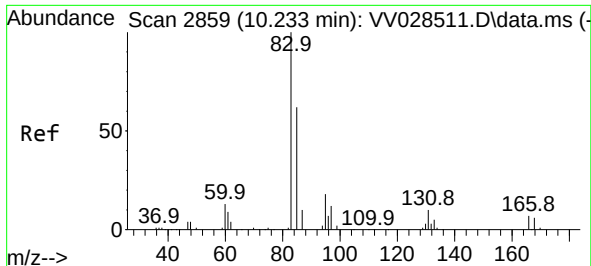
Tgt Ion:106 Resp: 190283
Ion Ratio Lower Upper
106 100
91 222.5 152.5 283.3



#55
Styrene
Concen: 55.675 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion:104 Resp: 332393
Ion Ratio Lower Upper
104 100
78 46.9 31.9 59.2

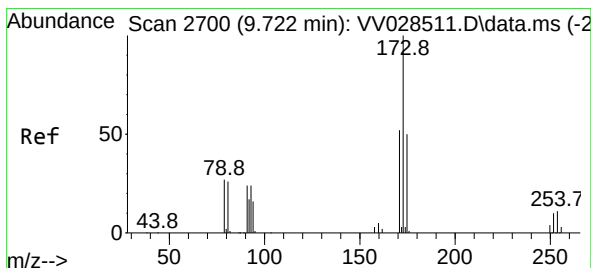
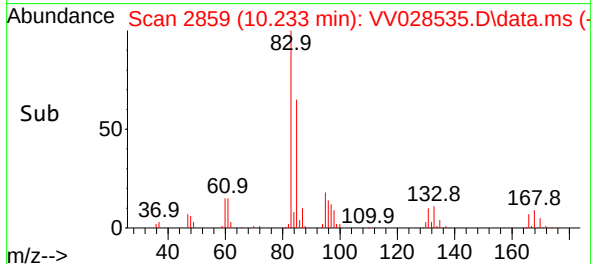
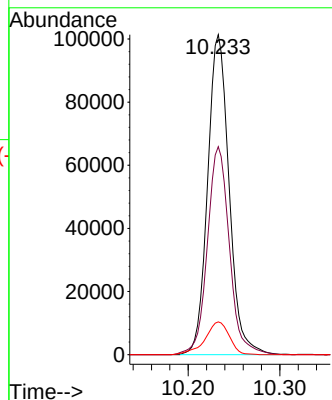
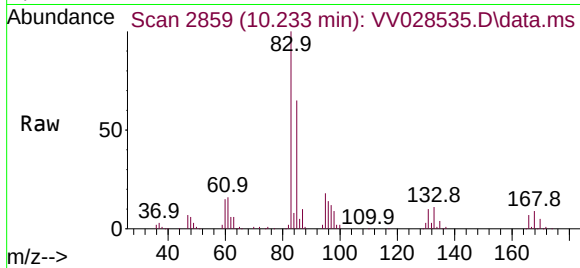




#57
1,1,2,2-Tetrachloroethane
Concen: 47.553 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

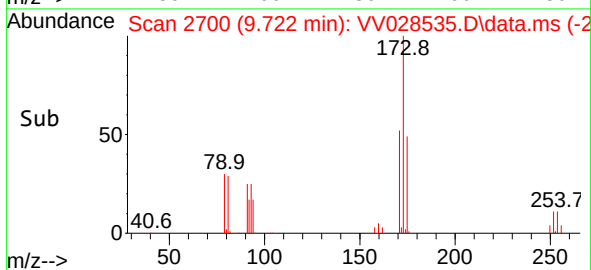
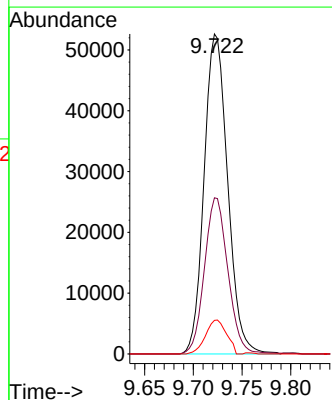
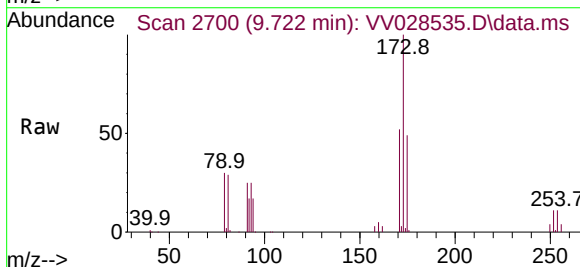
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

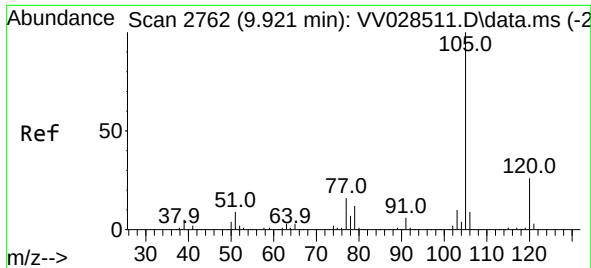
Tgt Ion: 83 Resp: 164892
Ion Ratio Lower Upper
83 100
85 65.0 44.8 83.2
131 10.2 7.2 10.8



#59
Bromoform
Concen: 51.925 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 173 Resp: 88480
Ion Ratio Lower Upper
173 100
175 48.6 38.6 57.8
254 9.4 8.4 12.6

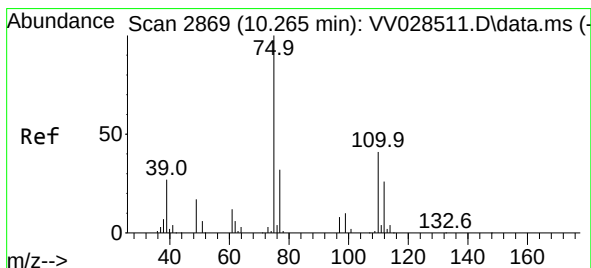
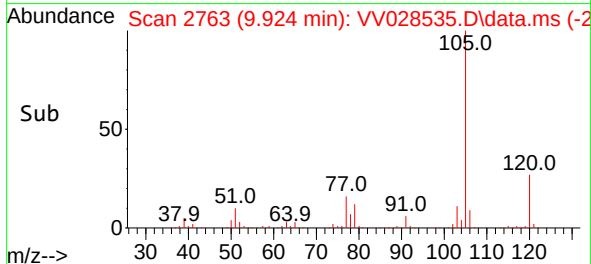
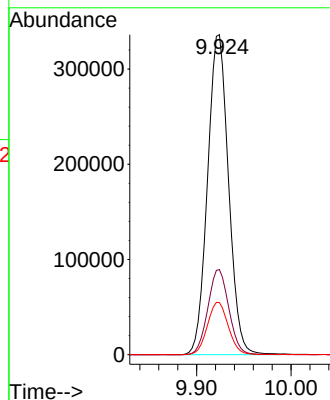
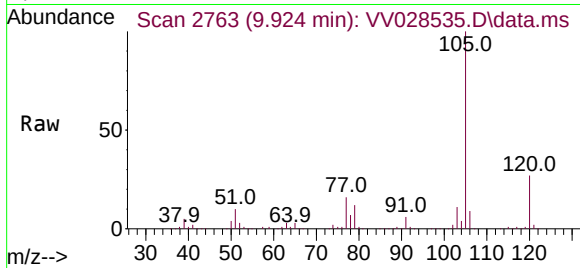




#60
Isopropylbenzene
Concen: 52.251 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

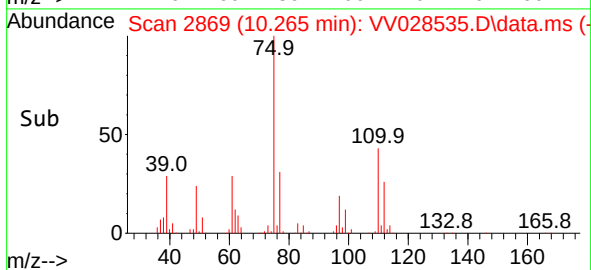
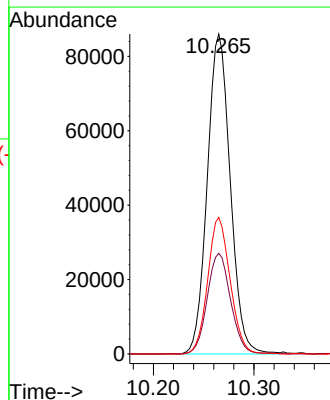
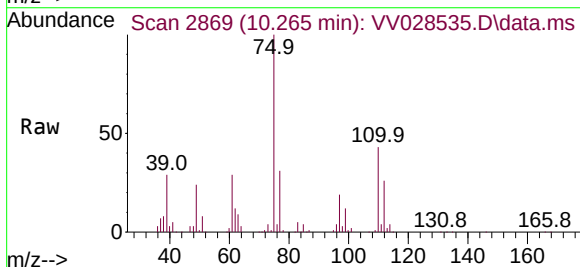
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

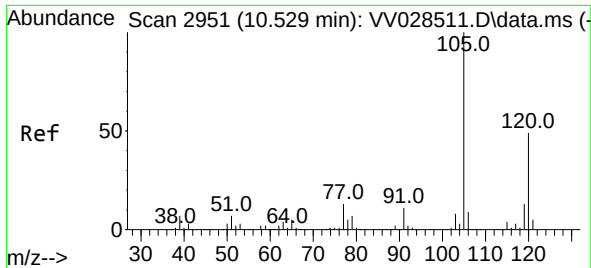
Tgt Ion:105 Resp: 518088
Ion Ratio Lower Upper
105 100
120 26.6 20.5 30.7
77 16.3 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 46.598 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion: 75 Resp: 136505
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 41.8 30.0 45.0

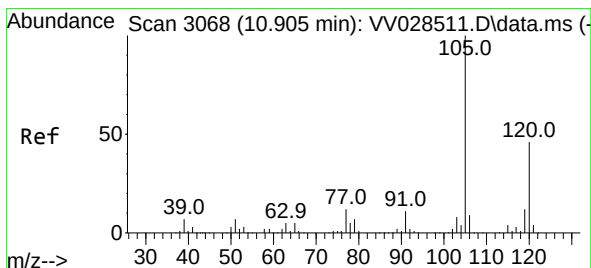
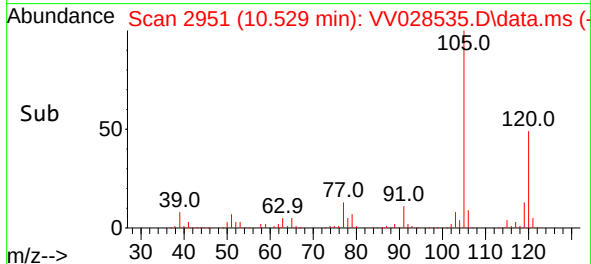
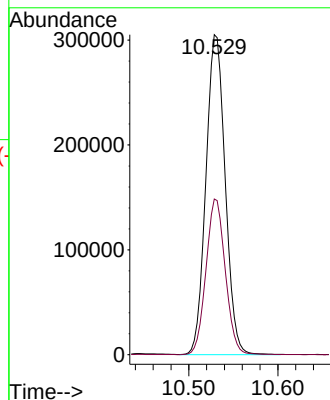
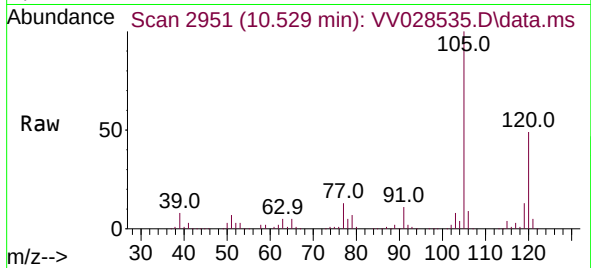




#62
 1,3,5-Trimethylbenzene
 Concen: 53.450 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

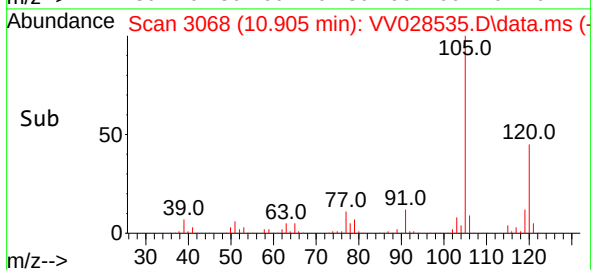
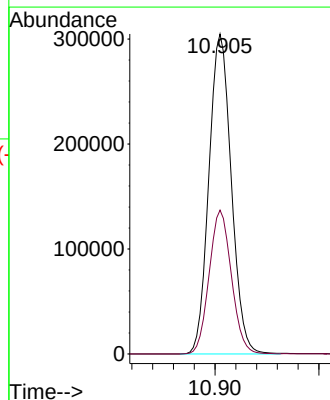
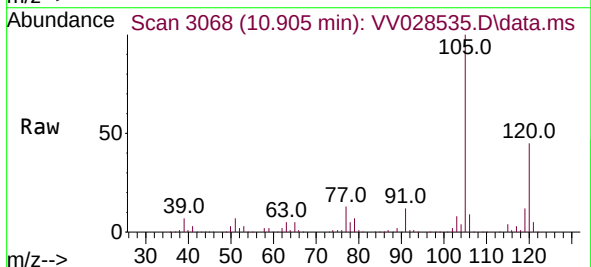
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

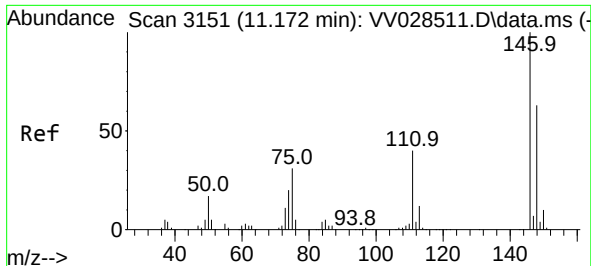
Tgt Ion:105 Resp: 459012
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 53.447 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Tgt Ion:105 Resp: 455584
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.9 53.9

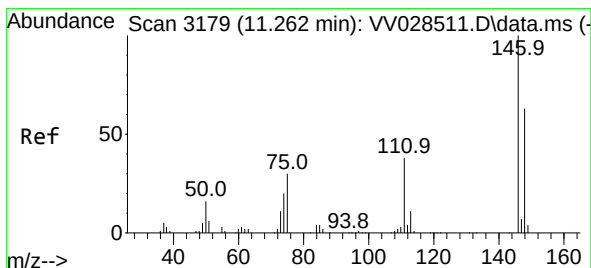
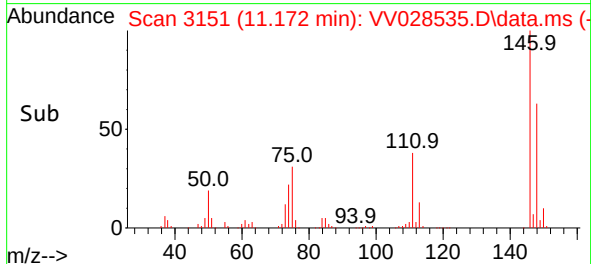
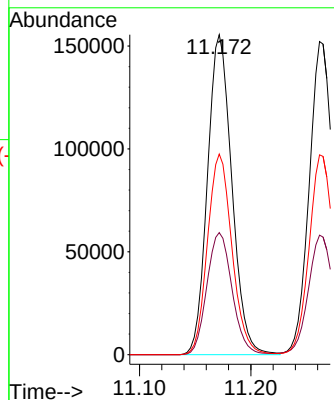
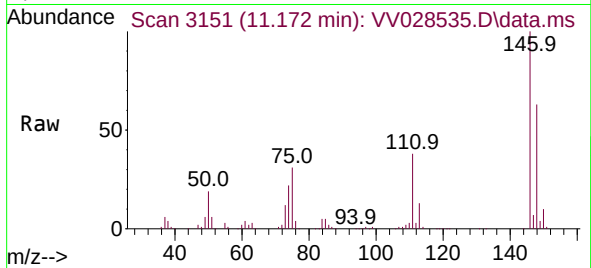




#64
1,3-Dichlorobenzene
Concen: 54.579 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

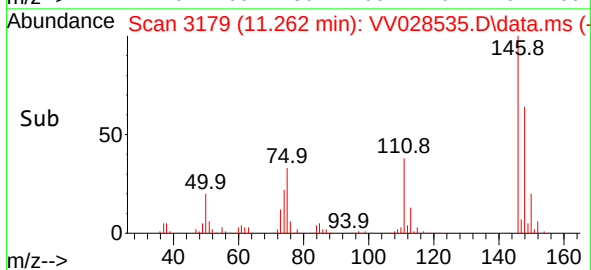
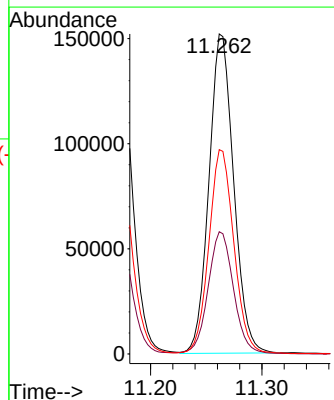
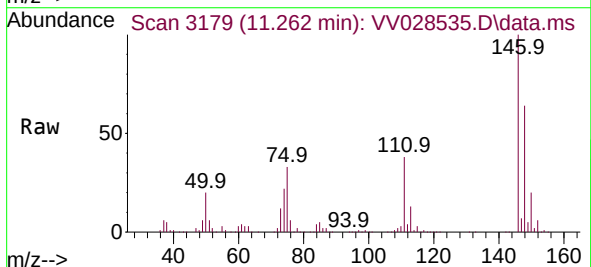
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

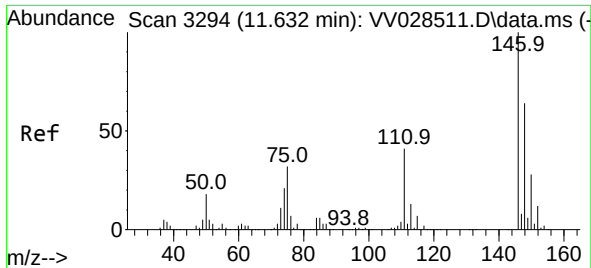
Tgt Ion:146 Resp: 236700
Ion Ratio Lower Upper
146 100
111 38.1 29.0 53.9
148 62.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 54.064 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion:146 Resp: 233959
Ion Ratio Lower Upper
146 100
111 38.2 26.6 49.4
148 63.8 43.4 80.6

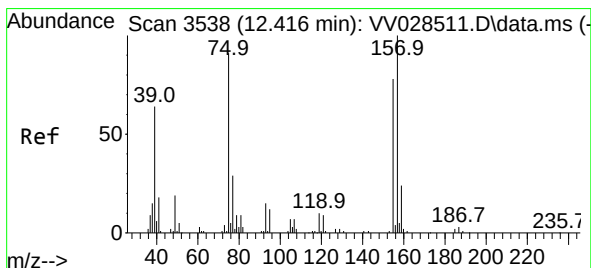
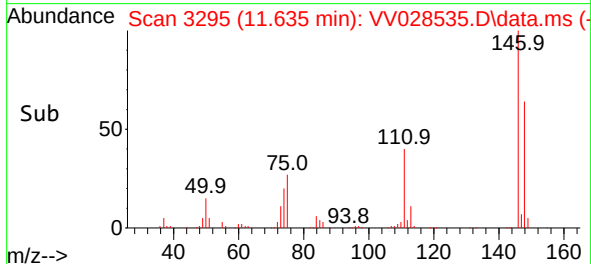
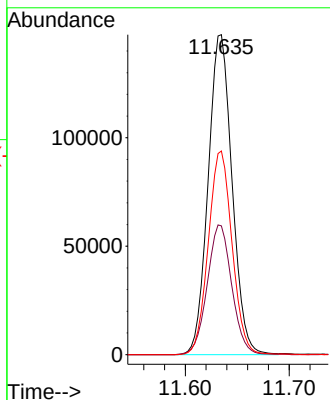
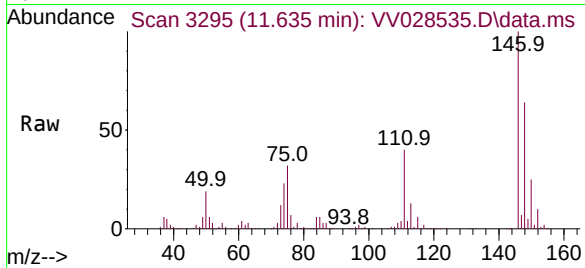




#67
1,2-Dichlorobenzene
Concen: 53.944 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

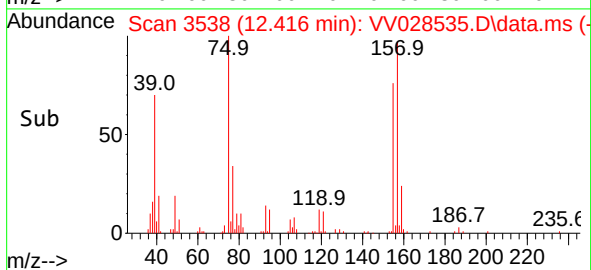
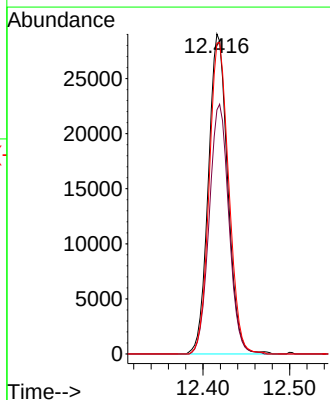
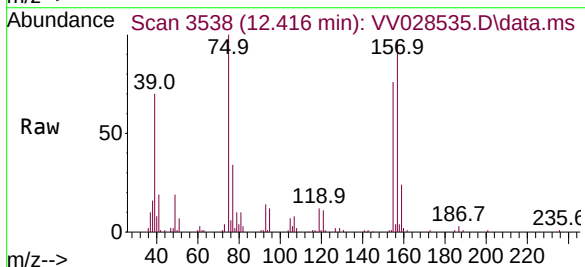
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

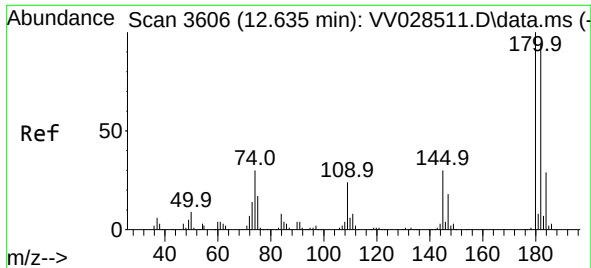
Tgt Ion:146 Resp: 236118
Ion Ratio Lower Upper
146 100
111 40.3 33.9 50.9
148 63.7 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 50.358 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

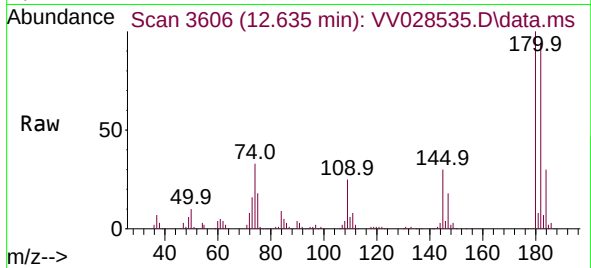
Tgt Ion: 75 Resp: 45143
Ion Ratio Lower Upper
75 100
155 76.2 65.0 97.6
157 97.1 86.0 129.0



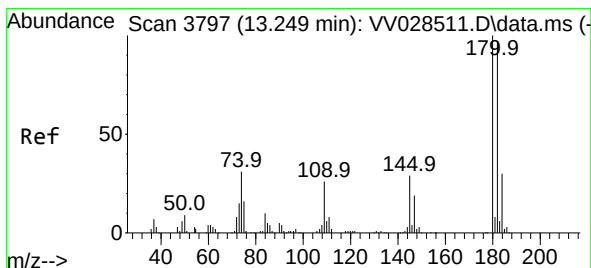
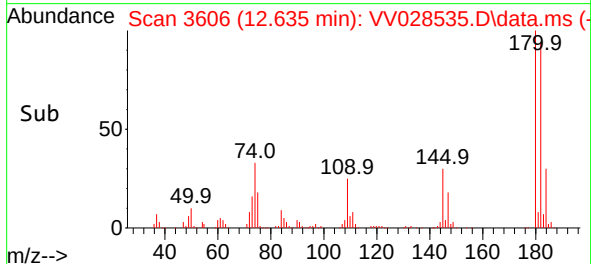
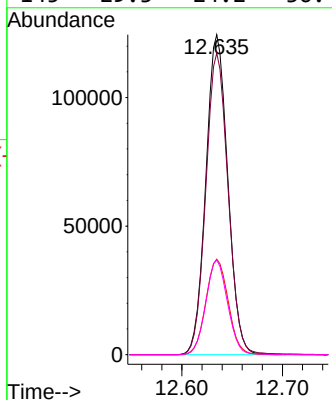


#69
 1,3,5-Trichlorobenzene
 Concen: 57.315 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

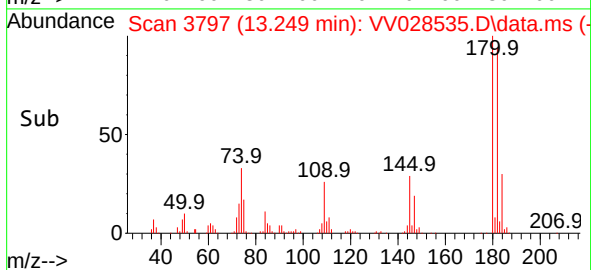
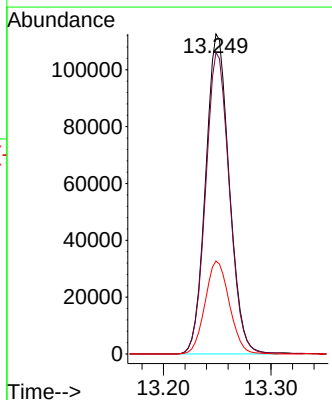
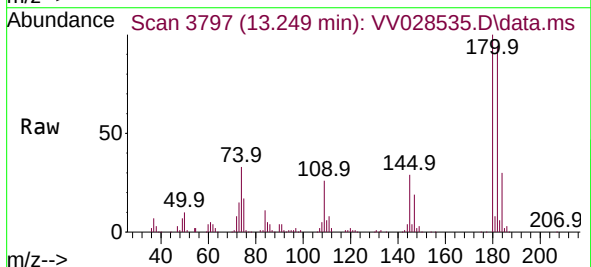


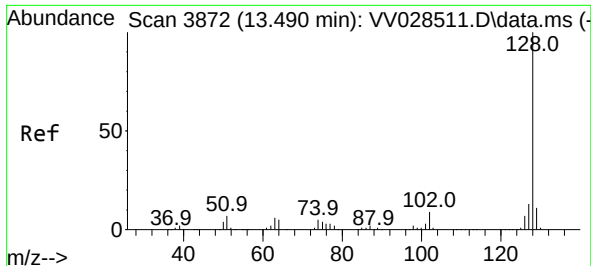
Tgt Ion:180 Resp: 188790
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.9 113.9
 184 30.5 24.0 36.0
 145 29.3 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 59.161 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV028535.D
 Acq: 13 Oct 2022 12:22

Tgt Ion:180 Resp: 171759
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.3 112.9
 145 29.8 24.3 36.5

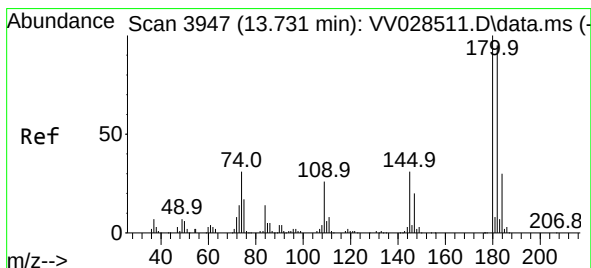
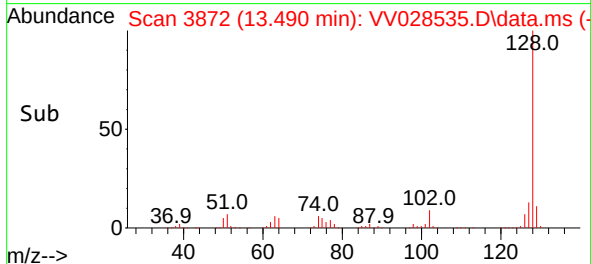
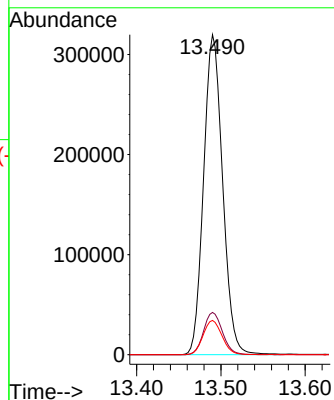
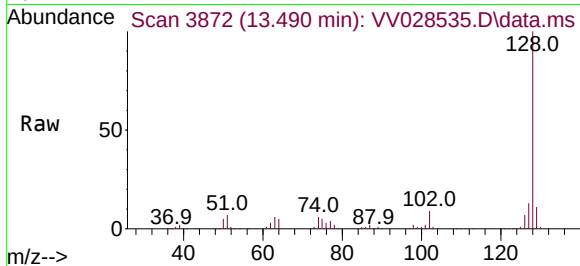




#71
Naphthalene
Concen: 55.692 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

Tgt Ion:128 Resp: 502907
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 59.718 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV028535.D
Acq: 13 Oct 2022 12:22

Tgt Ion:180 Resp: 169036
Ion Ratio Lower Upper
180 100
182 95.7 75.4 113.0
145 31.8 26.5 39.7

