

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VV029614.D
 Acq On : 12 Dec 2022 22:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

Quant Time: Dec 13 03:42:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 03:35:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	517371	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	476647	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	260264	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	159324	50.289	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.580%	
7) Chloroethane-d5	1.564	69	127013	52.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.160%	
11) 1,1-Dichloroethene-d2	2.108	63	267961	54.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.460%	
21) 2-Butanone-d5	3.873	46	191088	98.873	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 98.870%	
24) Chloroform-d	4.339	84	271255	45.498	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 91.000%	
26) 1,2-Dichloroethane-d4	5.024	65	155476	45.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 91.320%	
32) Benzene-d6	5.043	84	581833	46.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 92.400%	
36) 1,2-Dichloropropane-d6	6.063	67	170783	44.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 88.780%	
41) Toluene-d8	7.307	98	536940	45.247	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 90.500%	
43) trans-1,3-Dichloroprop...	7.612	79	76102	39.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 78.340%	
47) 2-Hexanone-d5	8.082	63	159254	96.941	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 96.940%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	241782	43.981	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 87.960%	
66) 1,2-Dichlorobenzene-d4	11.612	152	208452	42.074	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 84.140%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.127	85	181179	44.459	ug/L	100
3) Chloromethane	1.240	50	194216	41.800	ug/L	99
5) Vinyl chloride	1.310	62	191551	49.274	ug/L	98
6) Bromomethane	1.519	94	94081	60.146	ug/L	100
8) Chloroethane	1.580	64	115565	53.387	ug/L	100
9) Trichlorofluoromethane	1.751	101	245271	50.400	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	142548	52.715	ug/L	97
12) 1,1-Dichloroethene	2.117	96	142594	51.562	ug/L	97
13) Acetone	2.162	43	126061	100.126	ug/L	100
14) Carbon disulfide	2.291	76	420200	45.655	ug/L	100
15) Methyl Acetate	2.426	43	156247	54.471	ug/L	96
16) Methylene chloride	2.503	84	169324	49.244	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	157400	49.397	ug/L	95
18) Methyl tert-butyl Ether	2.764	73	491359	50.330	ug/L	99
19) 1,1-Dichloroethane	3.182	63	277186	50.777	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	171695	49.001	ug/L	94
22) 2-Butanone	3.957	43	214332	106.987	ug/L	95
23) Bromochloromethane	4.239	128	88390	48.990	ug/L	94
25) Chloroform	4.365	83	281823	49.798	ug/L	100

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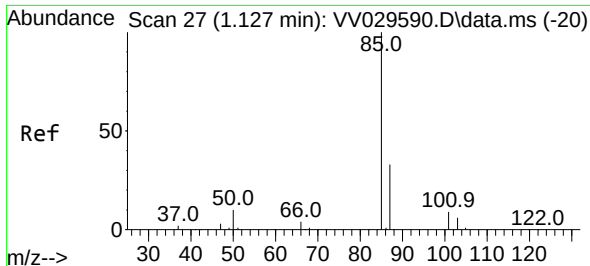
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	205887	51.501	ug/L	99
29) Cyclohexane	4.670	56	250979	48.608	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	251040	48.342	ug/L	99
31) Carbon tetrachloride	4.821	117	212485	46.856	ug/L	99
33) Benzene	5.092	78	657305	48.924	ug/L	100
34) Trichloroethene	5.908	95	164798	48.950	ug/L	99
35) Methylcyclohexane	6.124	83	274524	48.010	ug/L	98
37) 1,2-Dichloropropane	6.165	63	164230	50.646	ug/L	100
38) Bromodichloromethane	6.503	83	213852	47.772	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	221886	41.606	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	420140	108.667	ug/L	98
42) Toluene	7.381	91	703249	48.631	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	217017	42.970	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	164395	49.071	ug/L	99
46) Tetrachloroethene	7.969	164	132949	49.117	ug/L	99
48) 2-Hexanone	8.133	43	328231	111.119	ug/L	96
49) Dibromochloromethane	8.236	129	174803	47.260	ug/L	98
50) 1,2-Dibromoethane	8.342	107	164677	47.713	ug/L	98
51) Chlorobenzene	8.873	112	447754	48.898	ug/L	100
52) Ethylbenzene	9.005	91	751321	49.418	ug/L	100
53) m,p-Xylene	9.130	106	293911	48.844	ug/L	100
54) o-Xylene	9.532	106	291551	48.983	ug/L	98
55) Styrene	9.551	104	522133	50.478	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	259770	48.474	ug/L	98
59) Bromoform	9.722	173	129591	45.074	ug/L	98
60) Isopropylbenzene	9.921	105	764470	50.029	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	195733	48.722	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	643176	47.605	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	638404	47.668	ug/L	98
64) 1,3-Dichlorobenzene	11.168	146	360392	48.236	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	363020	47.809	ug/L	100
67) 1,2-Dichlorobenzene	11.631	146	360775	47.221	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.416	75	55512	44.459	ug/L	100
69) 1,3,5-Trichlorobenzene	12.631	180	278107	46.774	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	255364	48.298	ug/L	100
71) Naphthalene	13.490	128	701844	58.521	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	258826	49.979	ug/L	99

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

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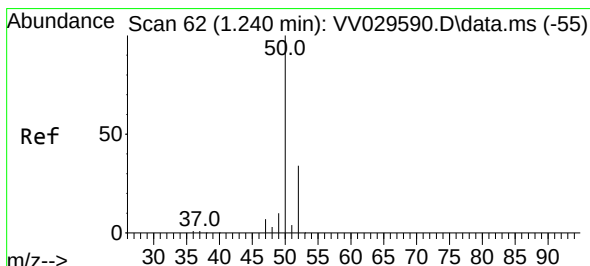
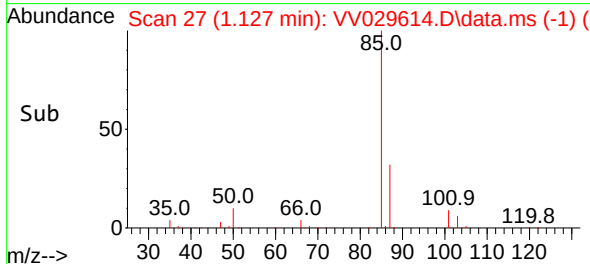
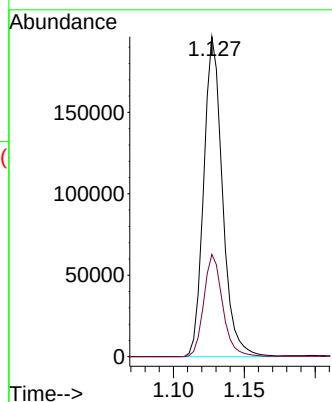
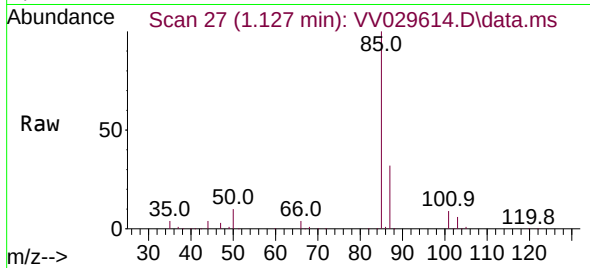




#2
 Dichlorodifluoromethane
 Concen: 44.459 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

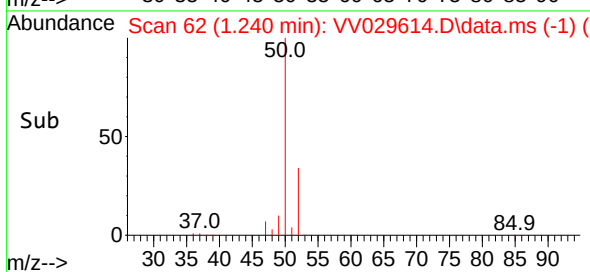
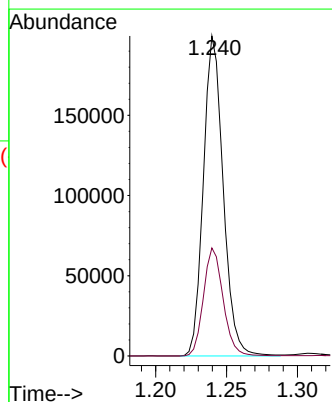
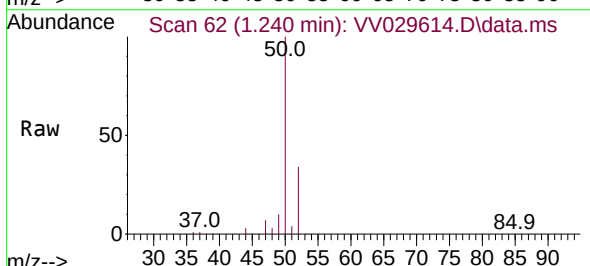
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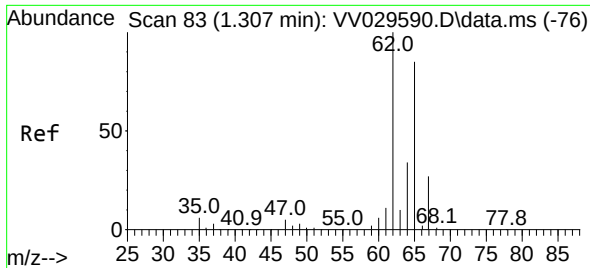
Tgt Ion: 85 Resp: 181179
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 41.800 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion: 50 Resp: 194216
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.3 43.3

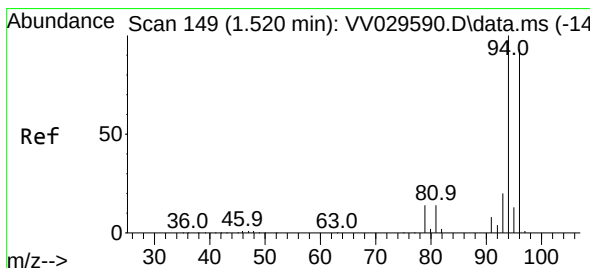
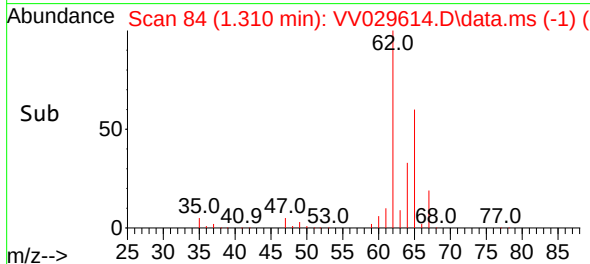
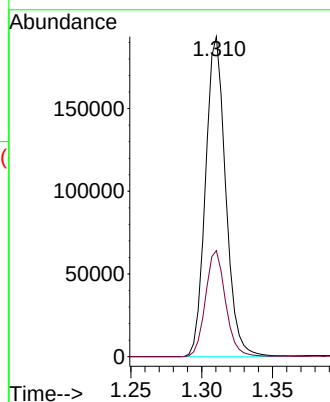
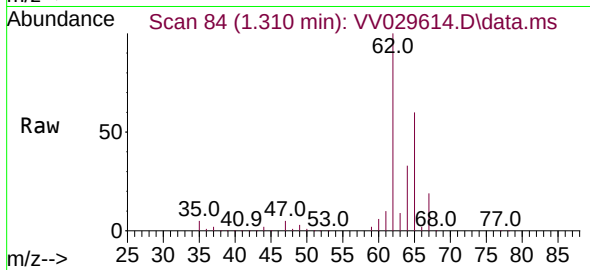




#5
 Vinyl chloride
 Concen: 49.274 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

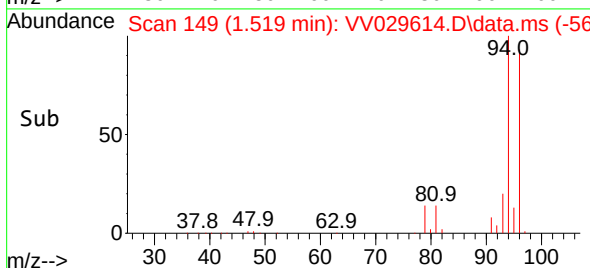
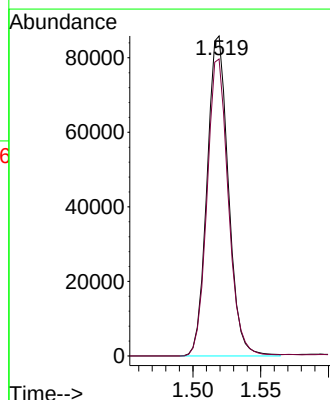
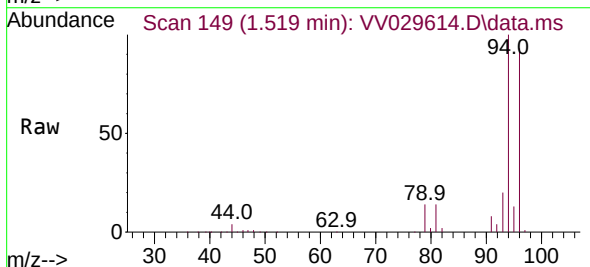
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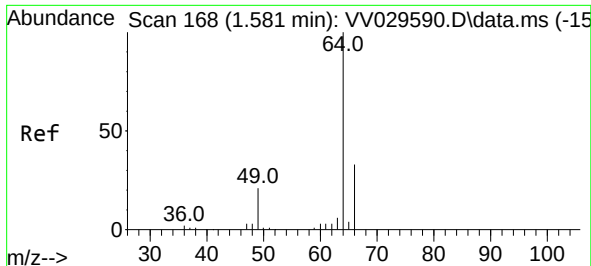
Tgt Ion: 62 Resp: 191551
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.5 41.9



#6
 Bromomethane
 Concen: 60.146 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion: 94 Resp: 94081
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.1 120.9

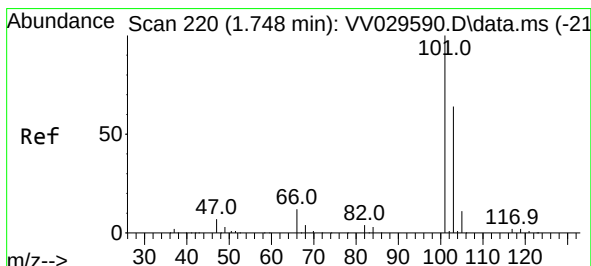
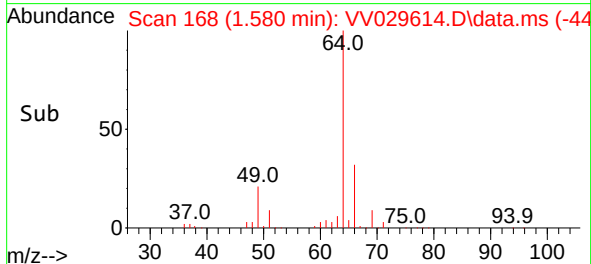
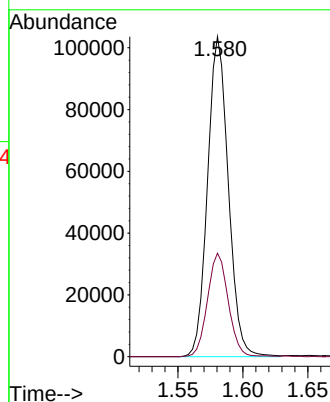
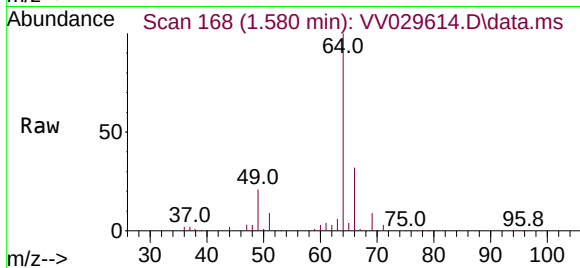




#8
Chloroethane
Concen: 53.387 ug/L
RT: 1.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

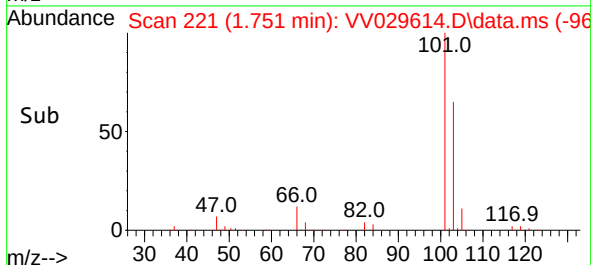
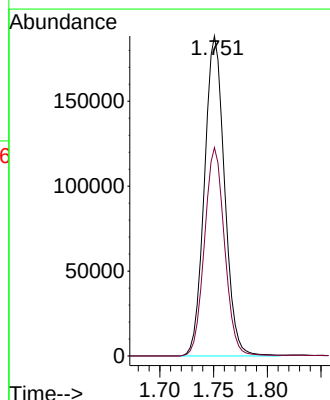
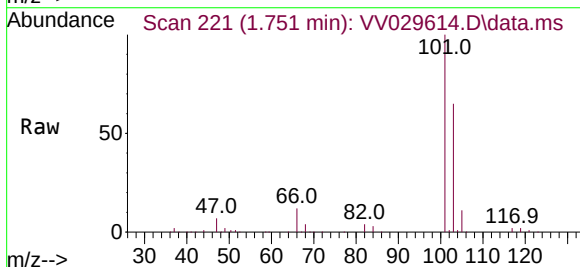
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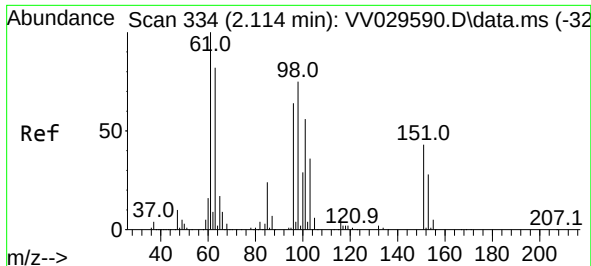
Tgt Ion: 64 Resp: 115565
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 50.400 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion:101 Resp: 245271
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

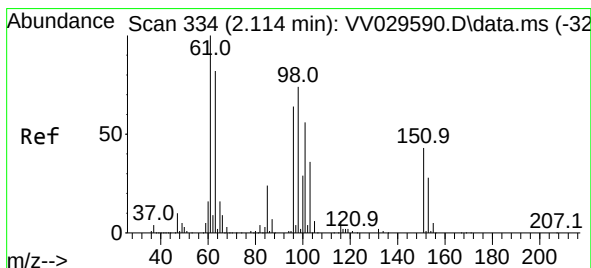
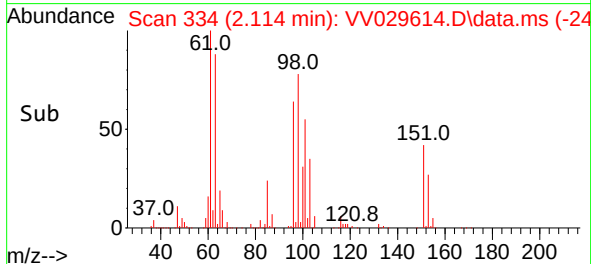
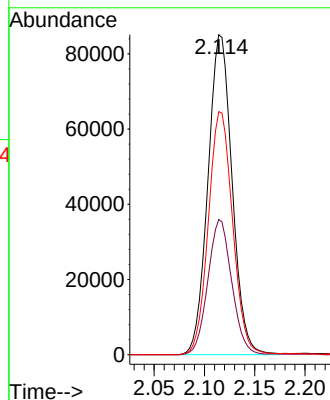
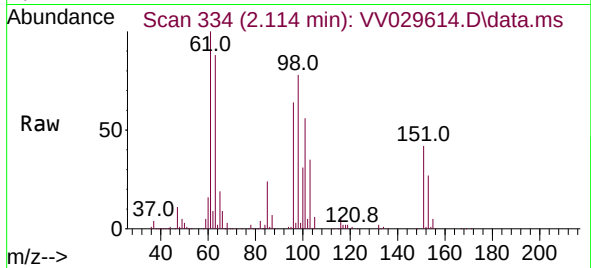




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.715 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

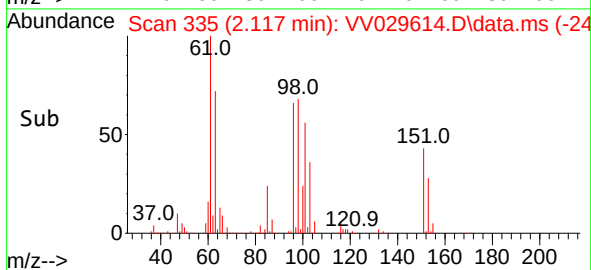
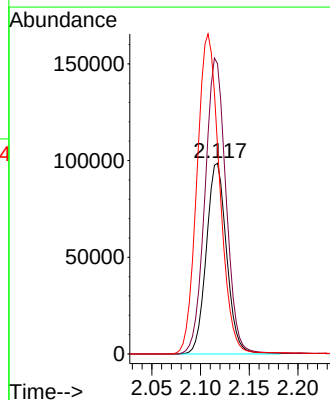
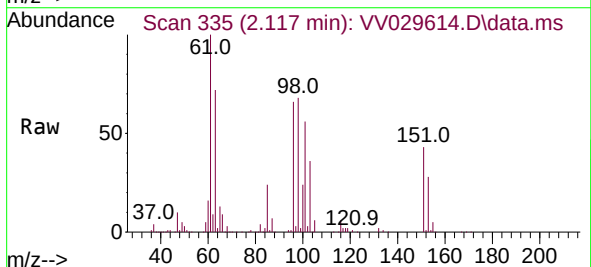
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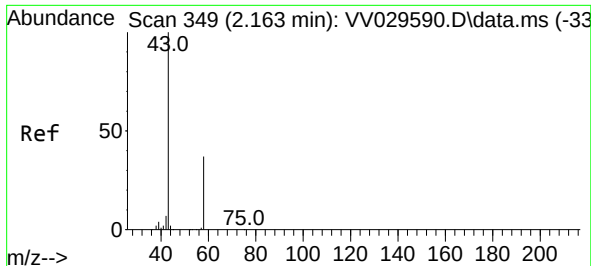
Tgt Ion:101 Resp: 142548
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.6 50.4
 151 76.2 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 51.562 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion: 96 Resp: 142594
 Ion Ratio Lower Upper
 96 100
 61 152.2 103.3 191.9
 63 109.4 77.3 143.7





#13

Acetone

Concen: 100.126 ug/L

RT: 2.162 min Scan# 349

Delta R.T. -0.000 min

Lab File: VV029614.D

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ClientSampleId :

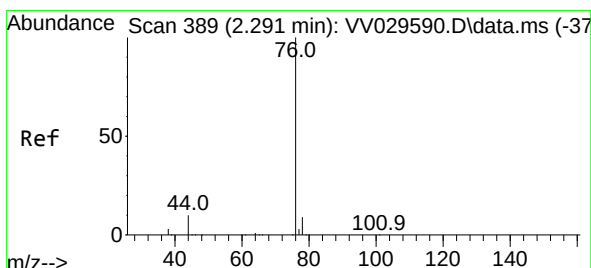
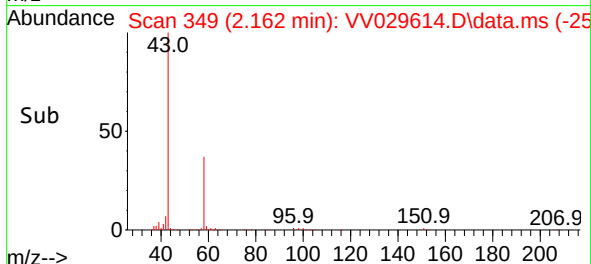
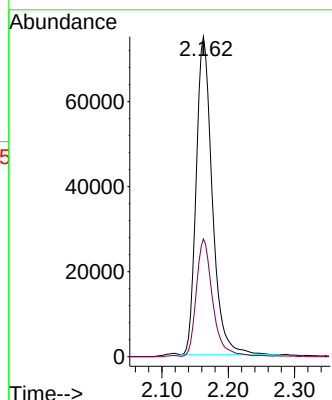
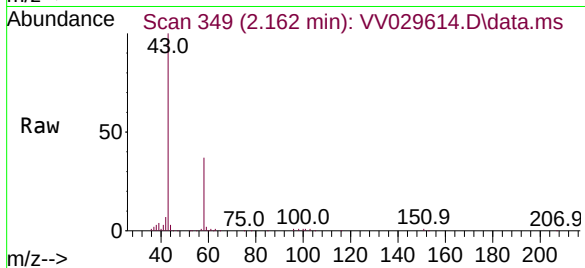
VSTD050384

Tgt Ion: 43 Resp: 126061

Ion Ratio Lower Upper

43 100

58 37.2 0.0 74.8



#14

Carbon disulfide

Concen: 45.655 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV029614.D

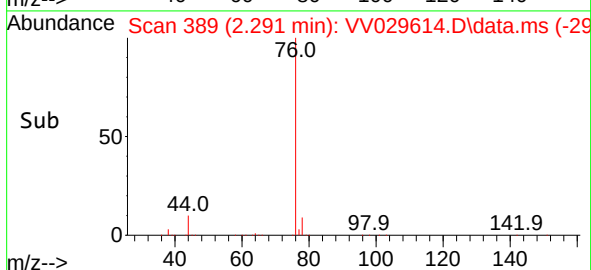
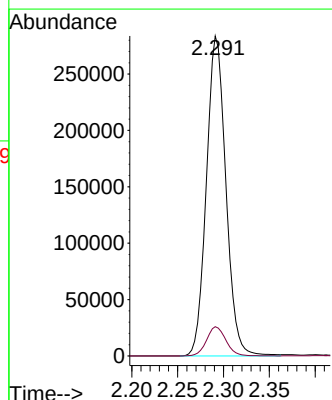
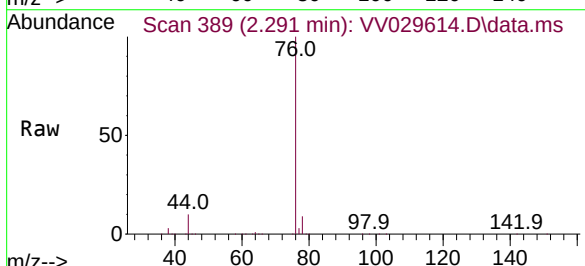
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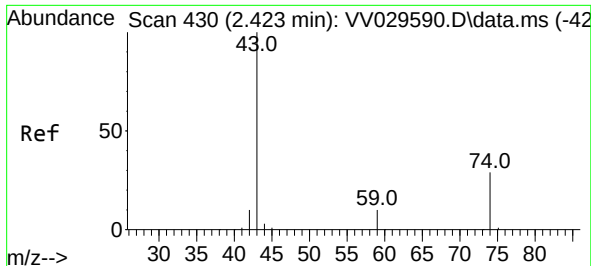
Tgt Ion: 76 Resp: 420200

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 54.471 ug/L

RT: 2.426 min Scan# 431

Delta R.T. 0.003 min

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ClientSampleId :

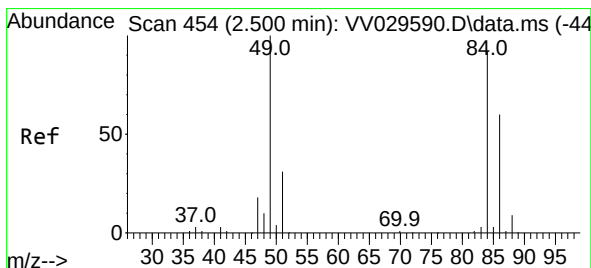
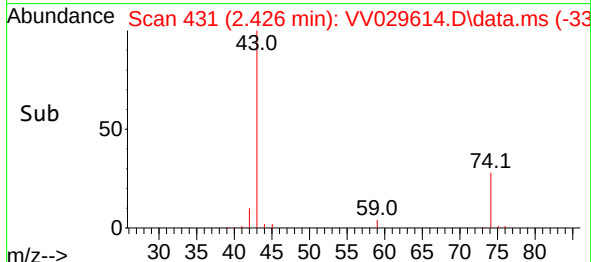
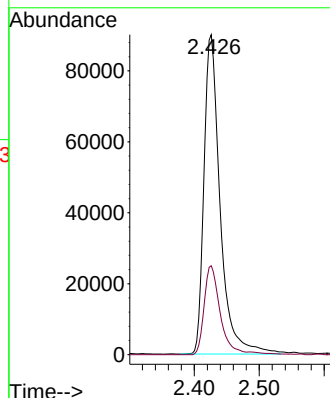
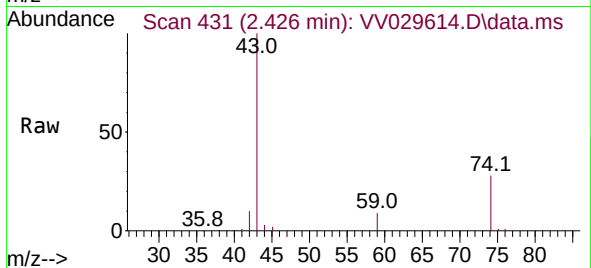
VSTD050384

Tgt Ion: 43 Resp: 156247

Ion Ratio Lower Upper

43 100

74 27.2 23.5 35.3



#16

Methylene chloride

Concen: 49.244 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.003 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

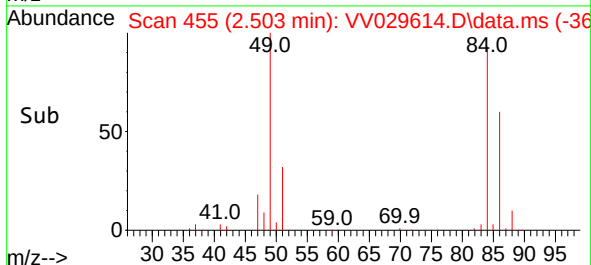
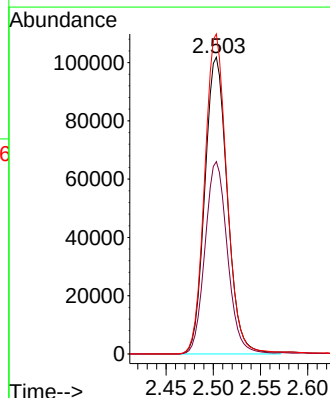
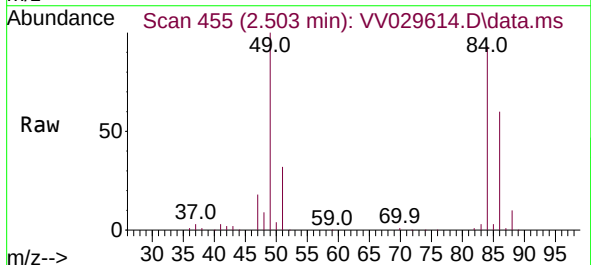
Tgt Ion: 84 Resp: 169324

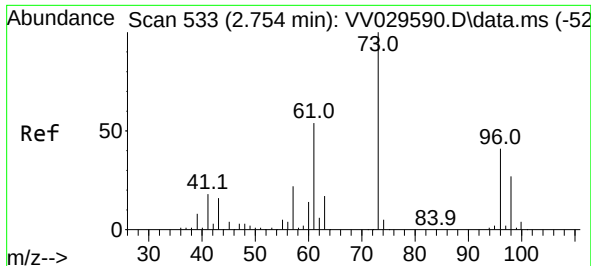
Ion Ratio Lower Upper

84 100

86 64.8 46.0 85.4

49 107.8 72.2 134.0

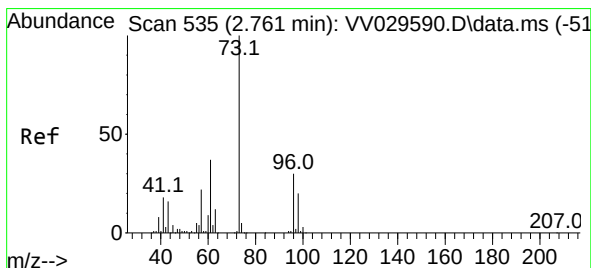
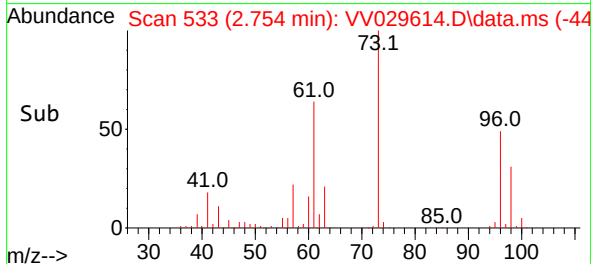
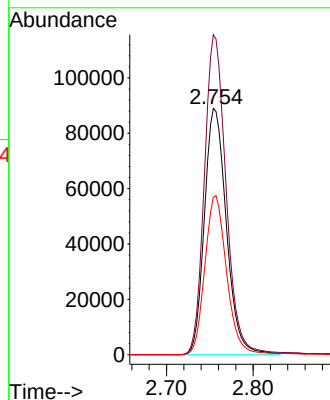
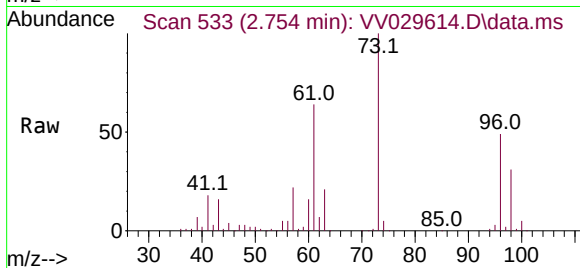




#17
trans-1,2-Dichloroethene
Concen: 49.397 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

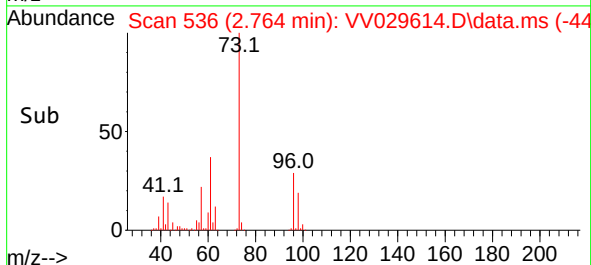
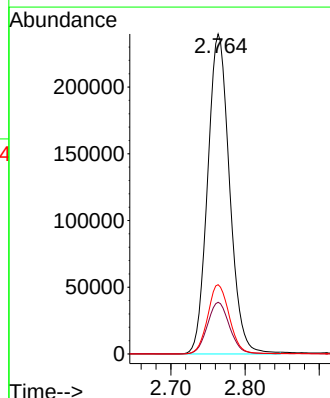
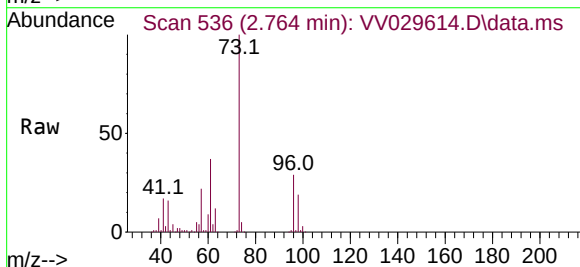
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

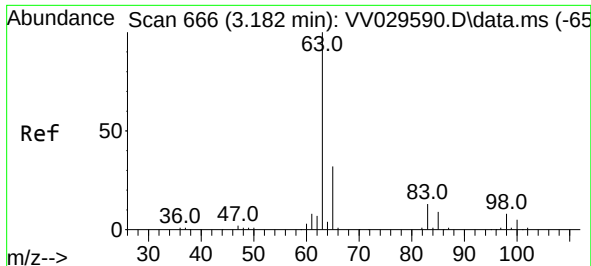
Tgt Ion: 96 Resp: 157400
Ion Ratio Lower Upper
96 100
61 130.0 86.4 160.4
98 64.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 50.330 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 73 Resp: 491359
Ion Ratio Lower Upper
73 100
43 16.2 12.7 19.1
57 21.4 16.7 25.1





#19

1,1-Dichloroethane

Concen: 50.777 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

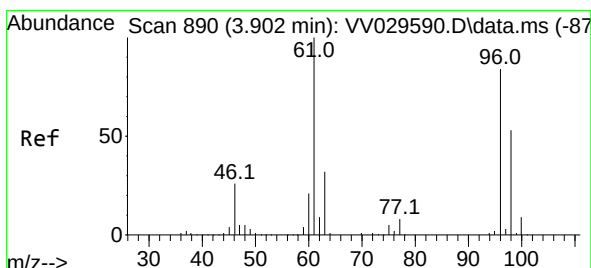
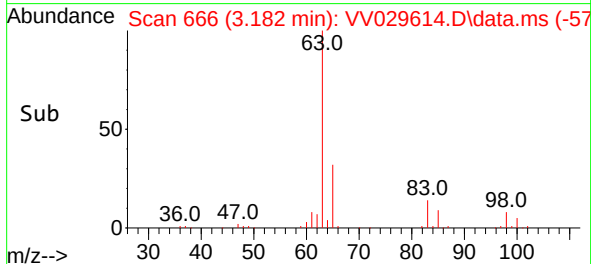
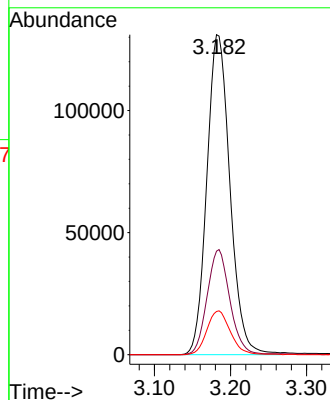
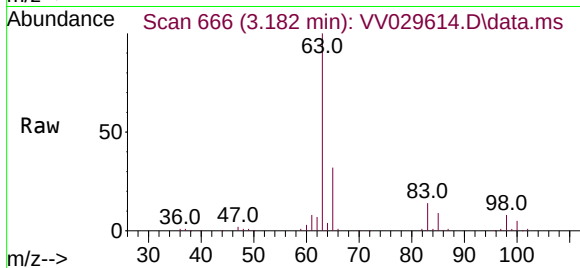
Tgt Ion: 63 Resp: 277186

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

83 13.5 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 49.001 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

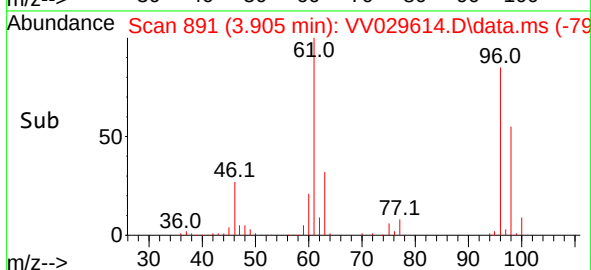
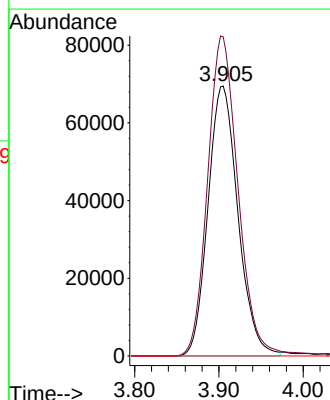
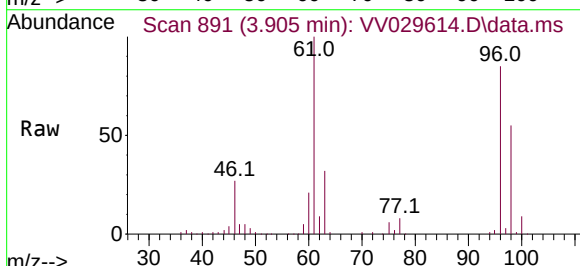
Tgt Ion: 96 Resp: 171695

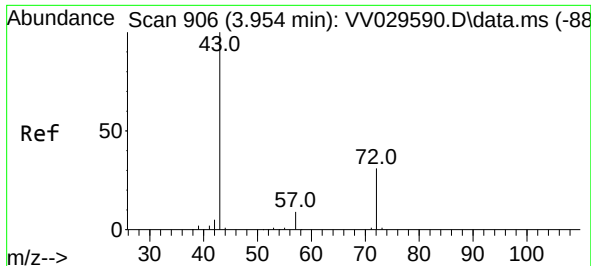
Ion Ratio Lower Upper

96 100

61 118.2 78.0 144.9

68 0.0 0.0 0.0

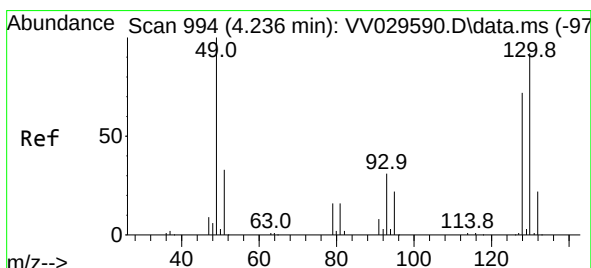
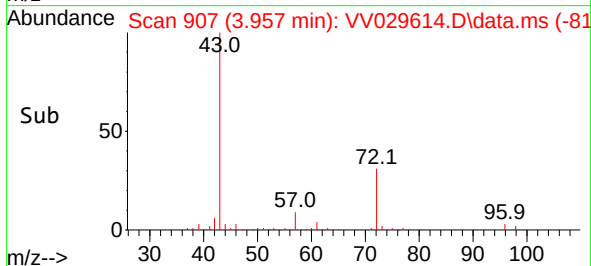
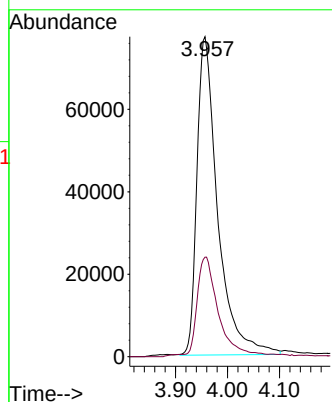
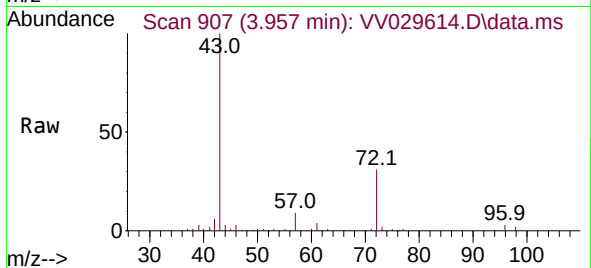




#22
2-Butanone
Concen: 106.987 ug/L
RT: 3.957 min Scan# 906
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

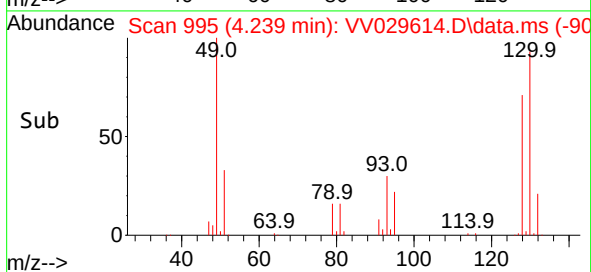
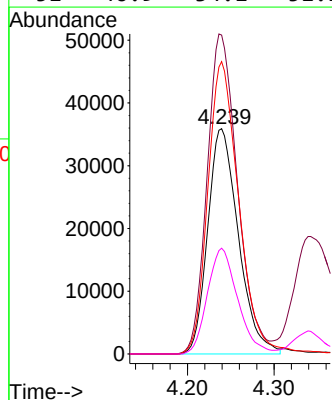
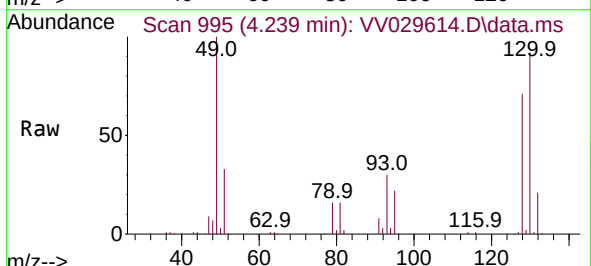
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

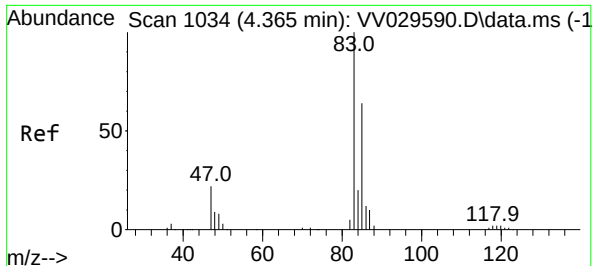
Tgt Ion: 43 Resp: 214332
Ion Ratio Lower Upper
43 100
72 29.2 15.9 47.6



#23
Bromochloromethane
Concen: 48.990 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion:128 Resp: 88390
Ion Ratio Lower Upper
128 100
49 141.6 92.2 171.2
130 129.8 88.3 164.1
51 46.9 34.1 51.1

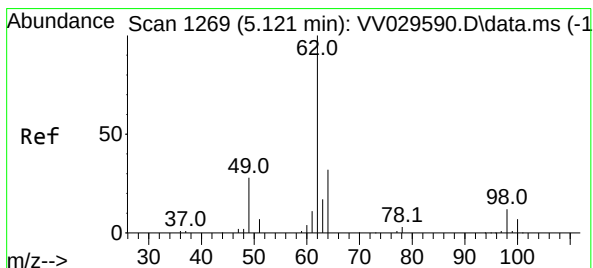
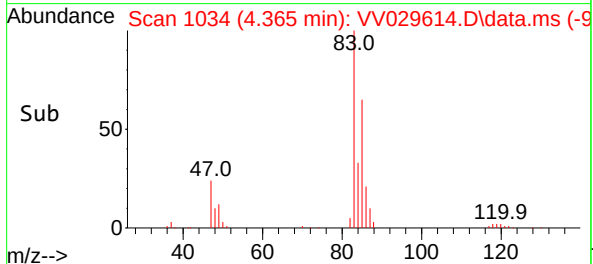
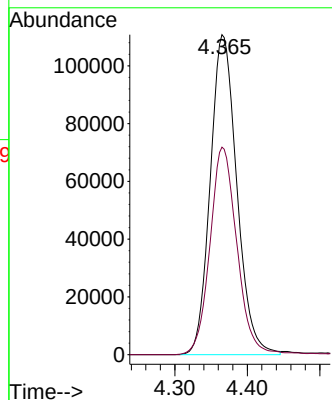
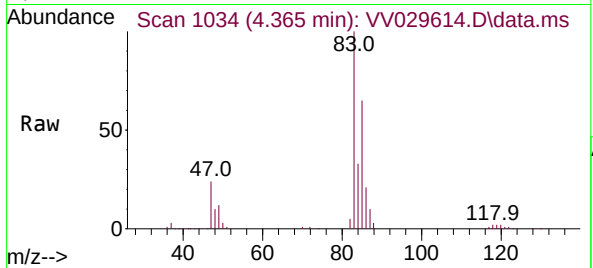




#25
Chloroform
Concen: 49.798 ug/L
RT: 4.365 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

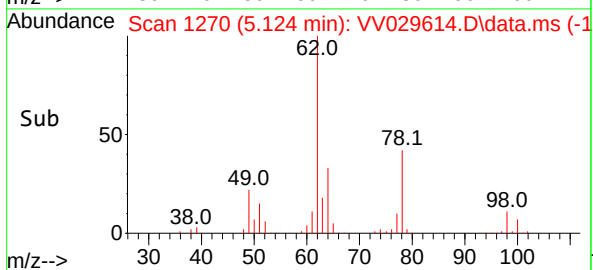
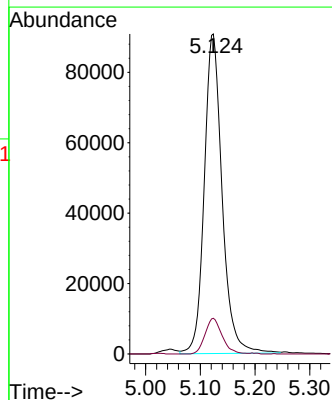
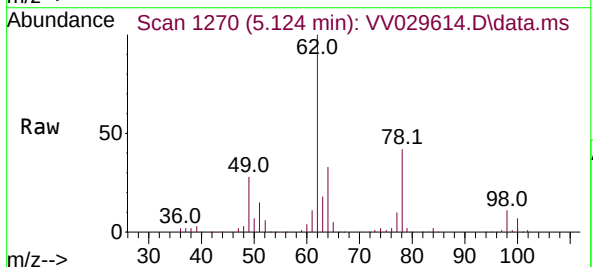
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

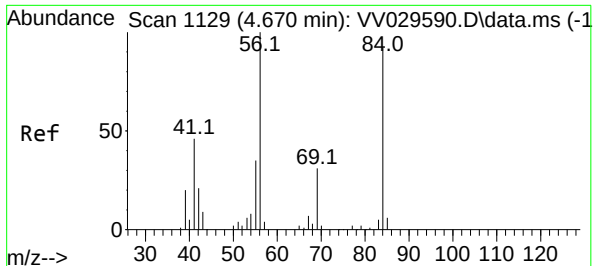
Tgt Ion: 83 Resp: 281823
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.501 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 62 Resp: 205887
Ion Ratio Lower Upper
62 100
98 11.2 9.4 14.0

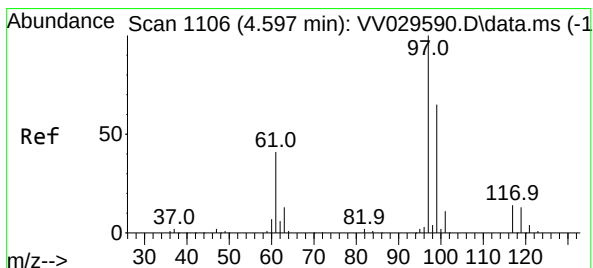
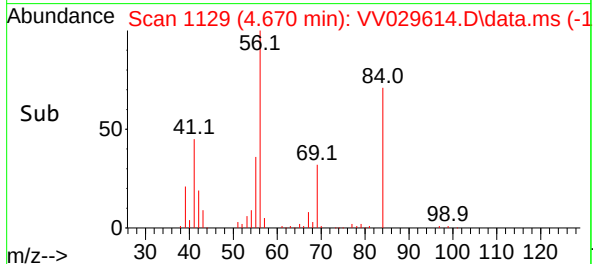
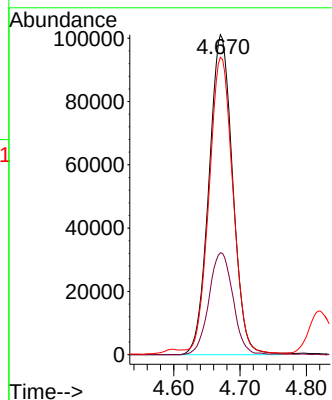
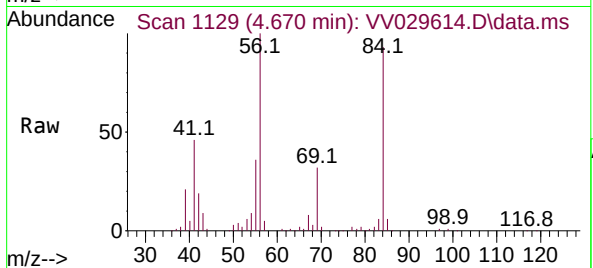




#29
Cyclohexane
Concen: 48.608 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

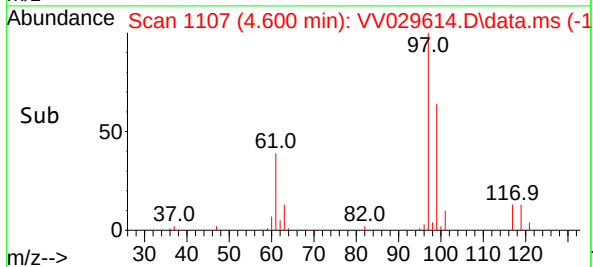
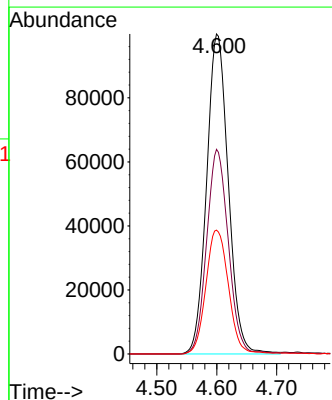
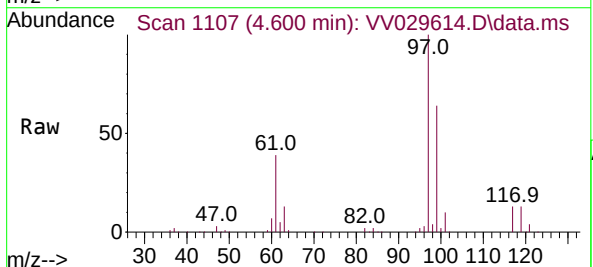
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

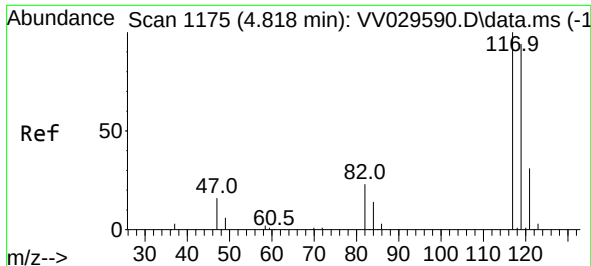
Tgt Ion: 56 Resp: 250979
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.8
84 93.6 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 48.342 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 97 Resp: 251040
Ion Ratio Lower Upper
97 100
99 64.1 52.1 78.1
61 40.0 31.8 47.8

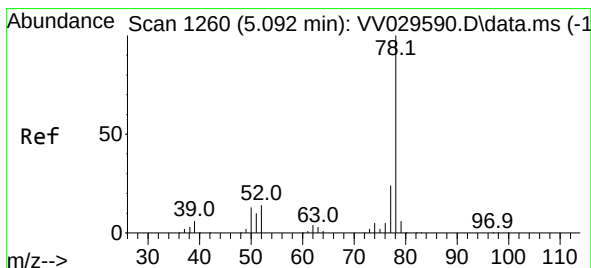
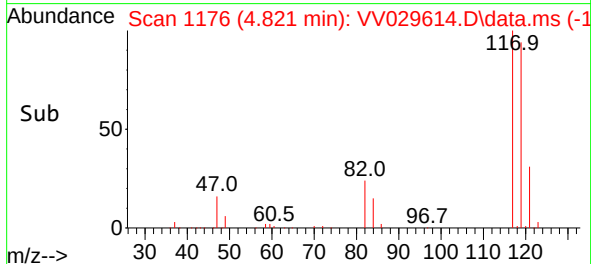
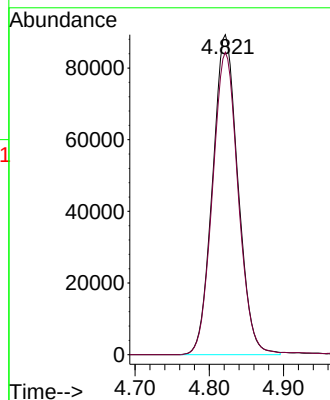
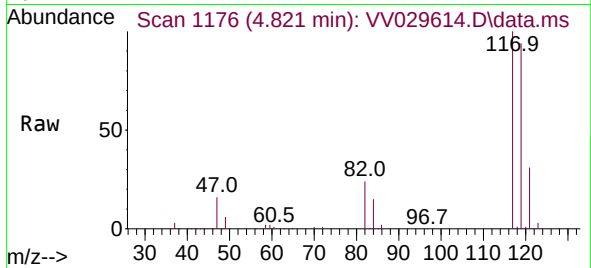




#31
Carbon tetrachloride
Concen: 46.856 ug/L
RT: 4.821 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

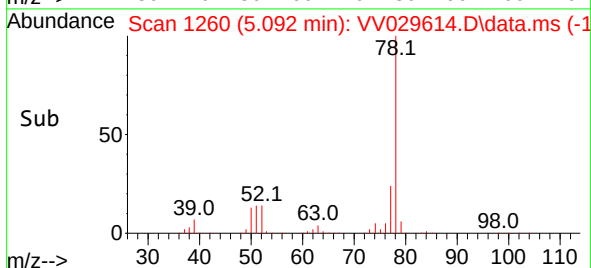
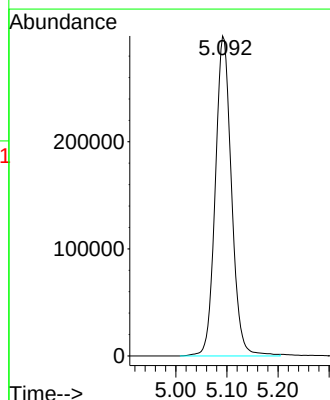
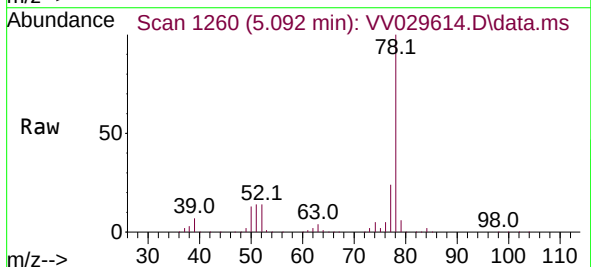
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

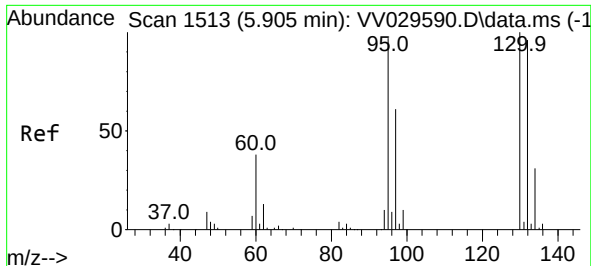
Tgt Ion:117 Resp: 212485
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1



#33
Benzene
Concen: 48.924 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 78 Resp: 657305

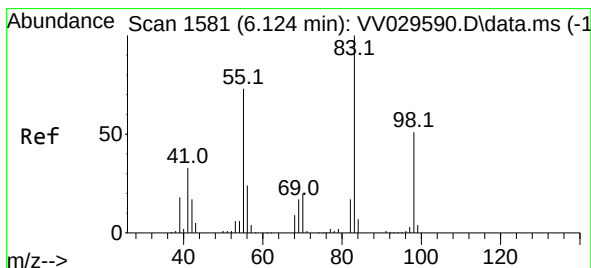
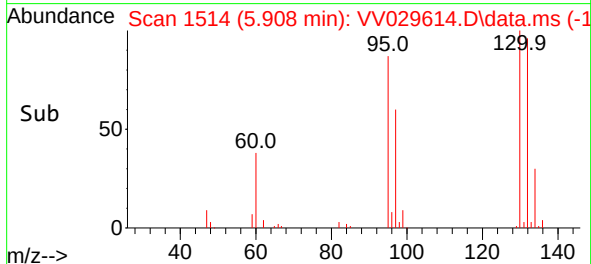
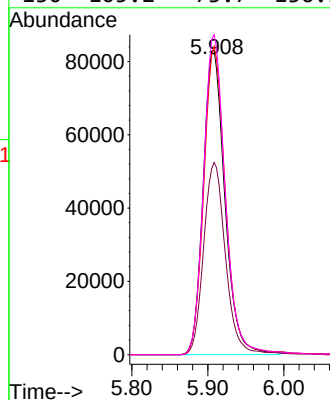
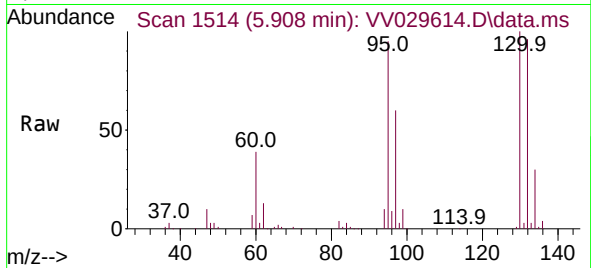




#34
Trichloroethene
Concen: 48.950 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

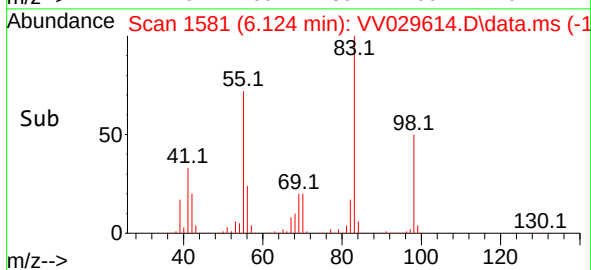
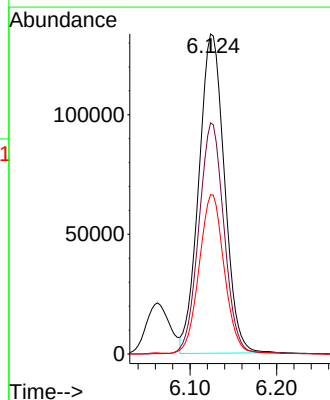
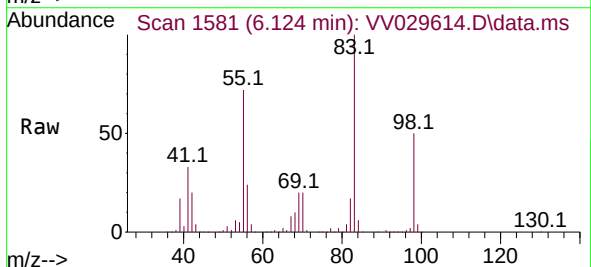
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

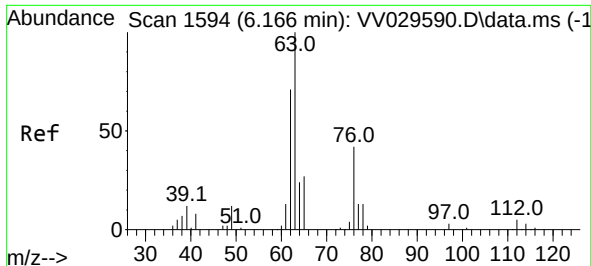
Tgt Ion: 95 Resp: 164798
Ion Ratio Lower Upper
95 100
97 63.2 44.0 81.8
132 101.4 69.9 129.9
130 105.2 73.7 136.9



#35
Methylcyclohexane
Concen: 48.010 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 83 Resp: 274524
Ion Ratio Lower Upper
83 100
55 71.0 55.5 83.3
98 48.9 39.8 59.8





#37

1,2-Dichloropropane

Concen: 50.646 ug/L

RT: 6.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

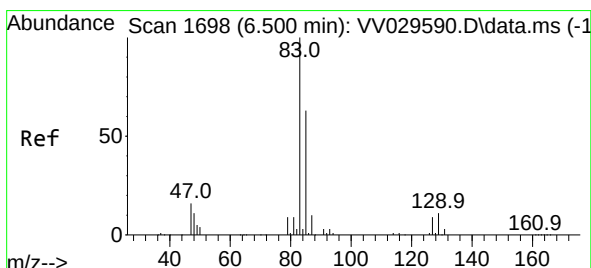
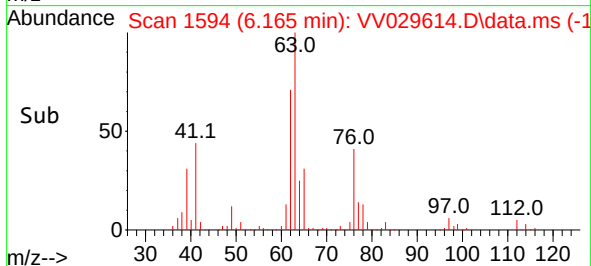
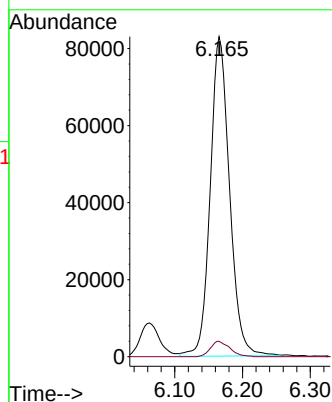
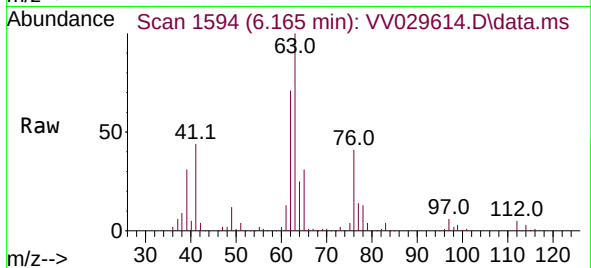
VSTD050384

Tgt Ion: 63 Resp: 164230

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 47.772 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

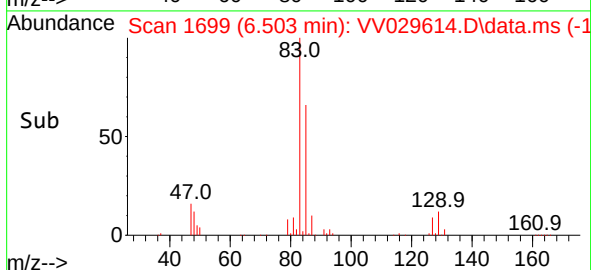
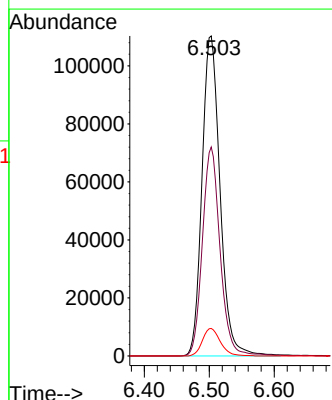
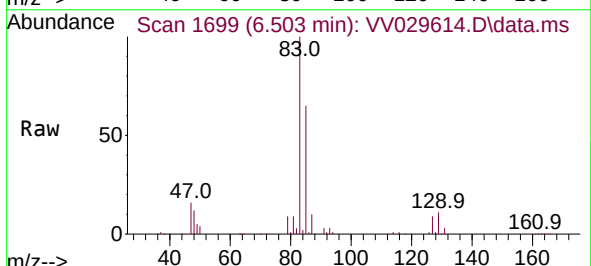
Tgt Ion: 83 Resp: 213852

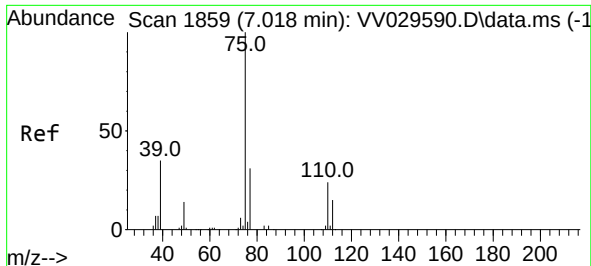
Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1

127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 41.606 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

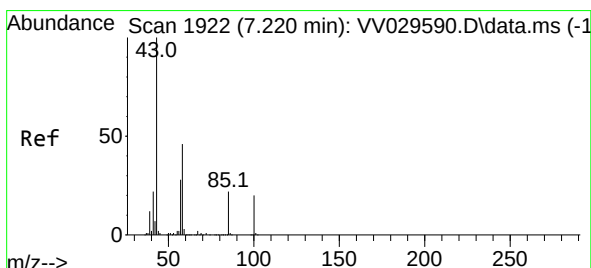
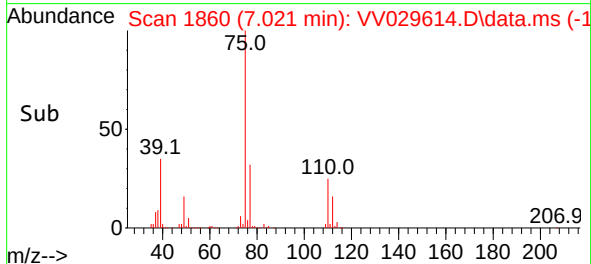
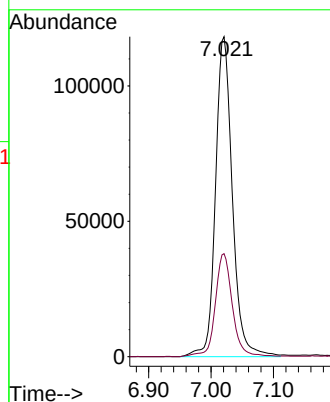
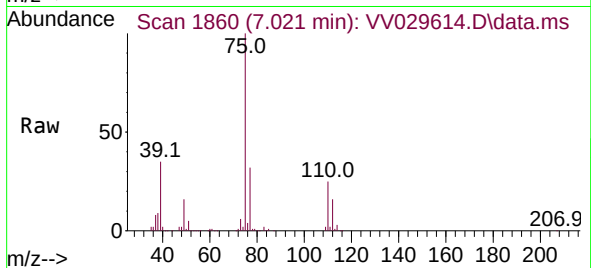
VSTD050384

Tgt Ion: 75 Resp: 221886

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 108.667 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

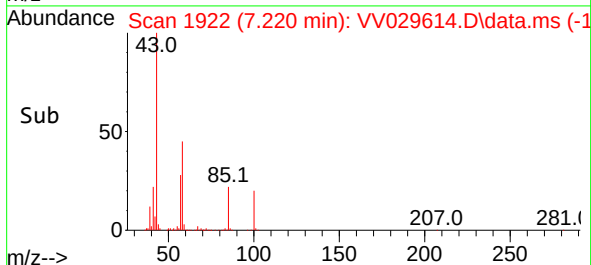
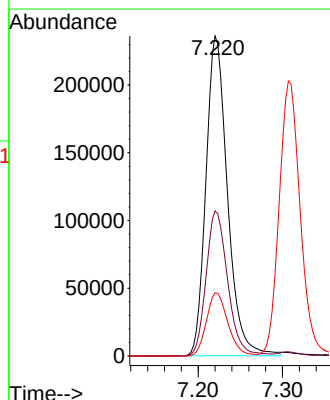
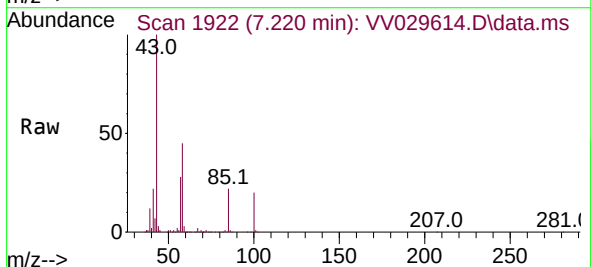
Tgt Ion: 43 Resp: 420140

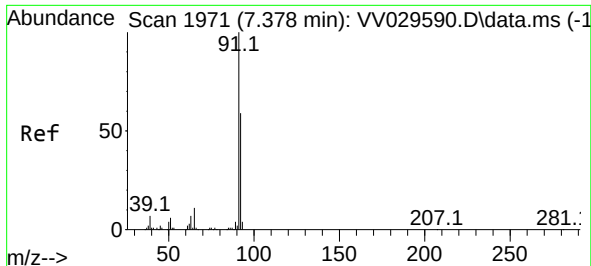
Ion Ratio Lower Upper

43 100

58 45.5 37.5 56.3

100 19.6 16.7 25.1

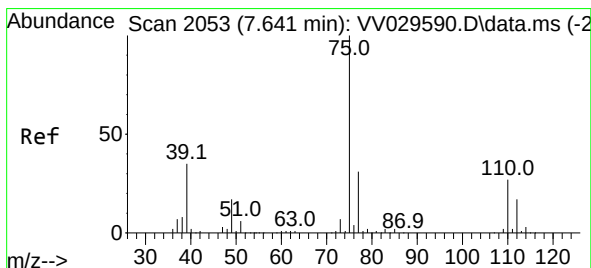
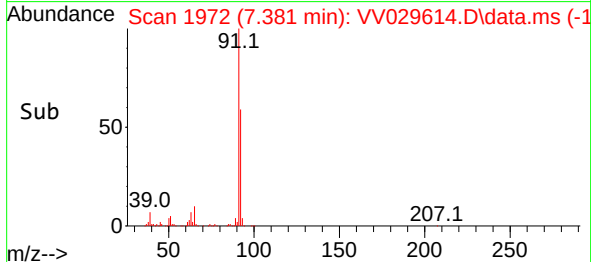
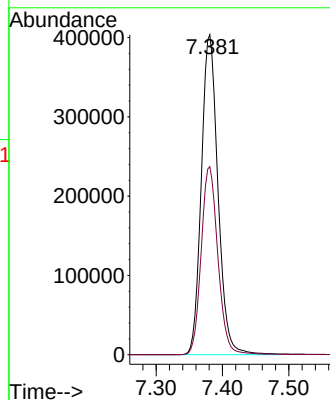
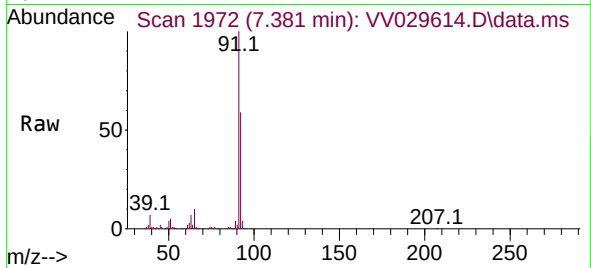




#42
Toluene
Concen: 48.631 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

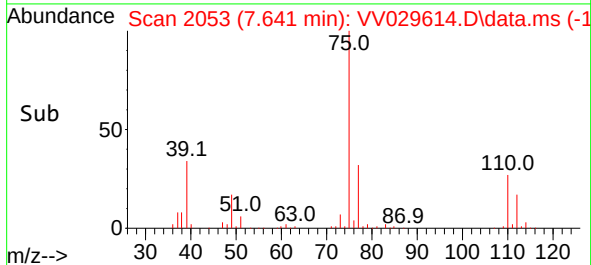
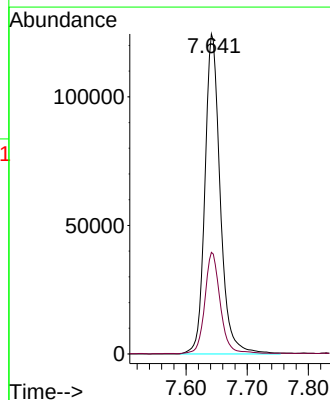
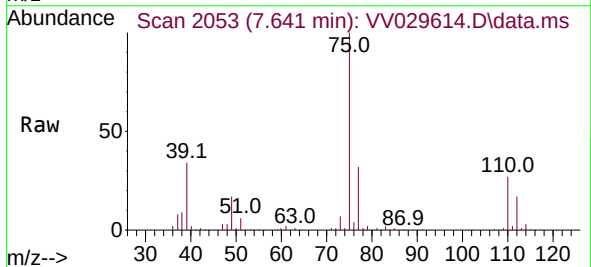
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

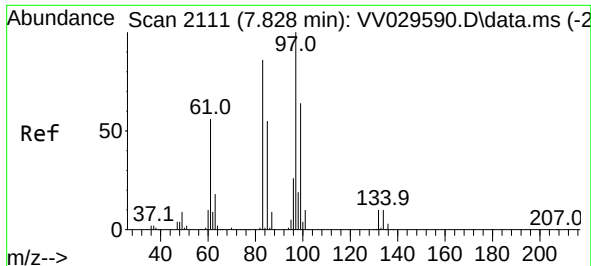
Tgt Ion: 91 Resp: 703249
Ion Ratio Lower Upper
91 100
92 58.8 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 42.970 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 75 Resp: 217017
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.5

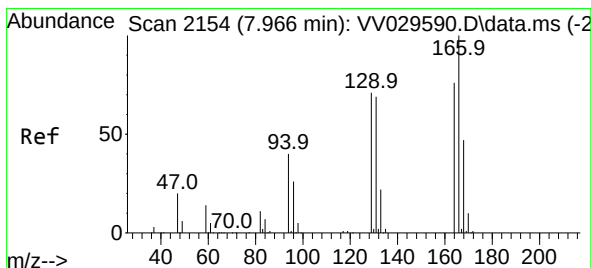
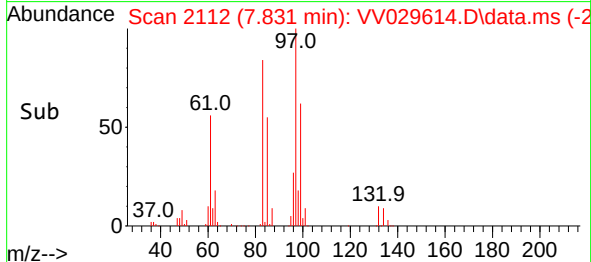
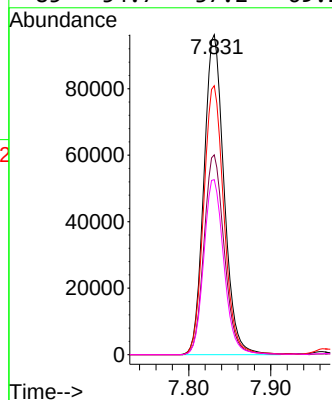
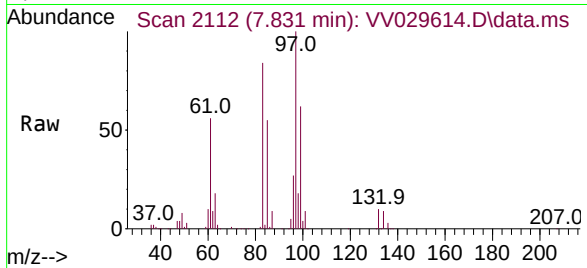




#45
1,1,2-Trichloroethane
Concen: 49.071 ug/L
RT: 7.831 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

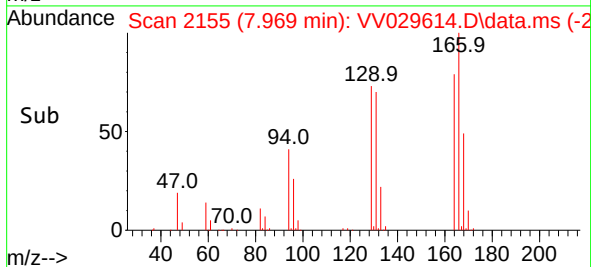
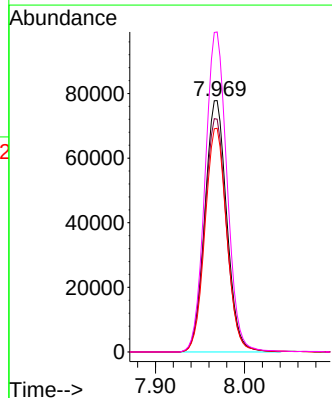
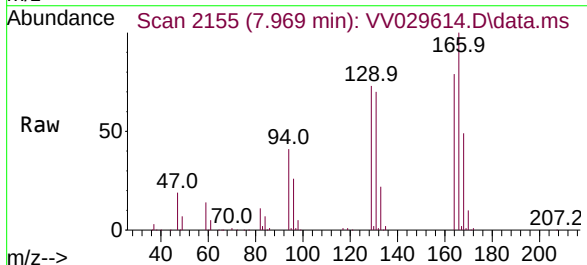
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

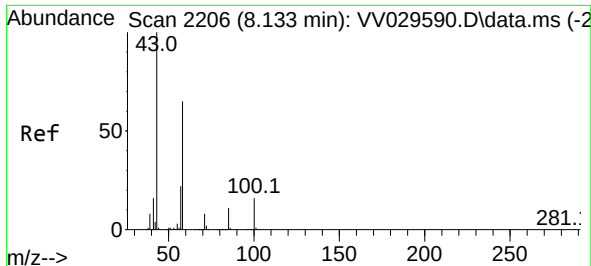
Tgt Ion: 97	Resp: 164395
Ion Ratio	Lower Upper
97 100	
99 62.5	43.8 81.3
83 84.1	58.6 108.8
85 54.7	37.2 69.2



#46
Tetrachloroethene
Concen: 49.117 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt	Ion:164	Resp:	132949
Ion	Ratio	Lower	Upper
164	100		
129	92.6	65.3	121.3
131	89.0	63.1	117.1
166	127.3	90.8	168.6

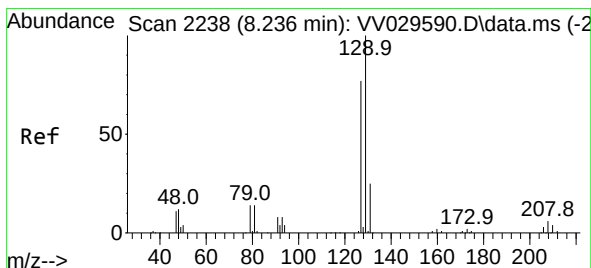
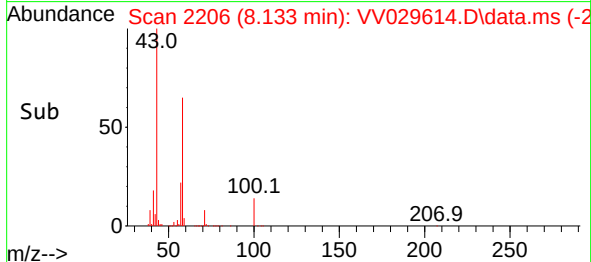
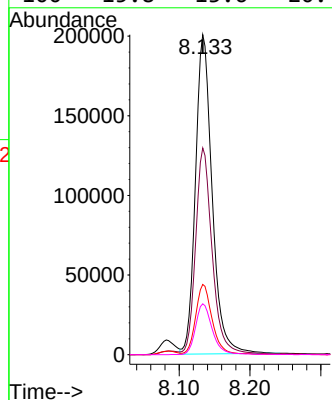
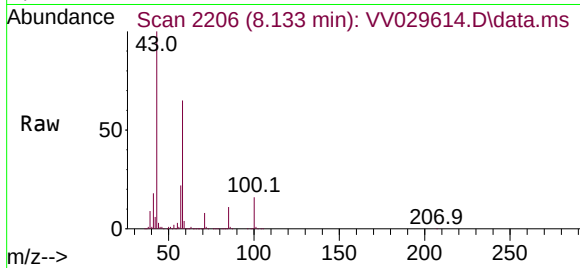




#48
2-Hexanone
Concen: 111.119 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

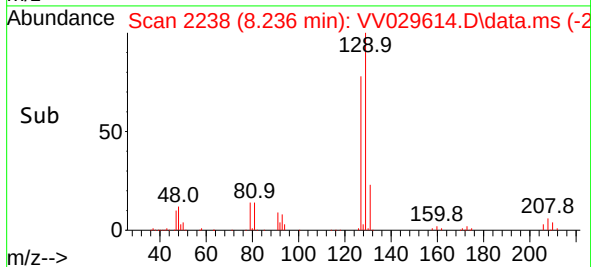
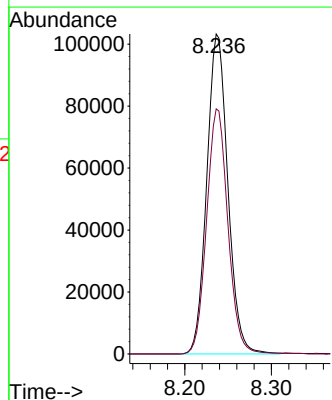
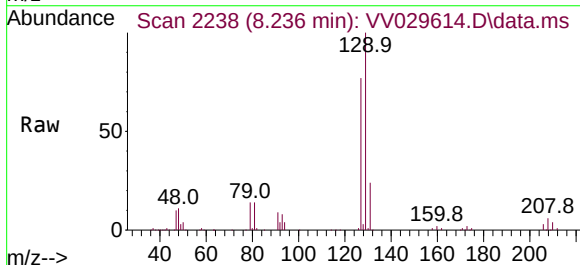
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

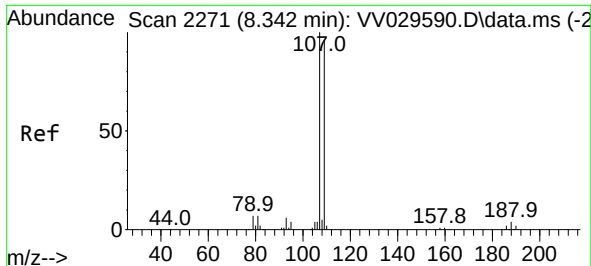
Tgt Ion: 43 Resp: 328231
Ion Ratio Lower Upper
43 100
58 63.8 54.1 81.1
57 21.0 17.4 26.0
100 15.8 13.6 20.4



#49
Dibromochloromethane
Concen: 47.260 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 129 Resp: 174803
Ion Ratio Lower Upper
129 100
127 76.6 55.2 102.4





#50

1,2-Dibromoethane

Concen: 47.713 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

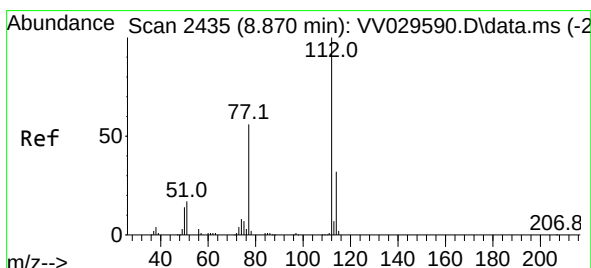
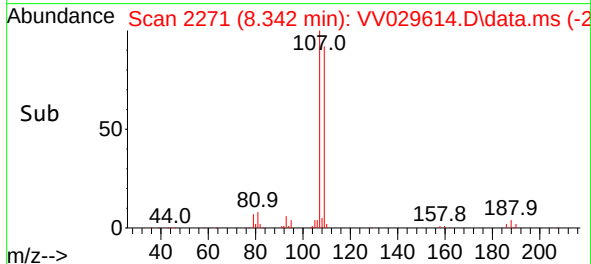
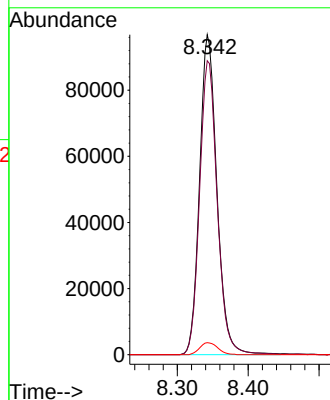
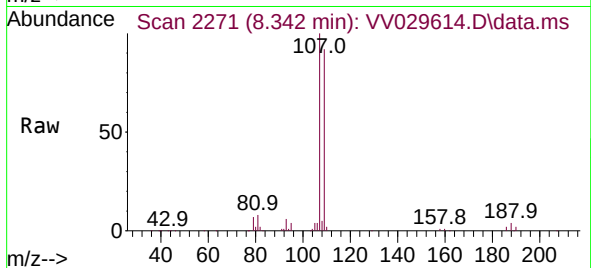
Tgt Ion:107 Resp: 164677

Ion Ratio Lower Upper

107 100

109 91.9 66.0 122.6

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 48.898 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029614.D

Acq: 12 Dec 2022 22:30

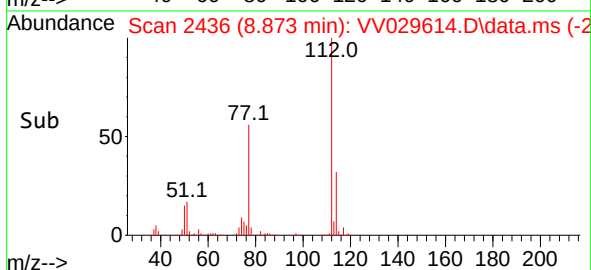
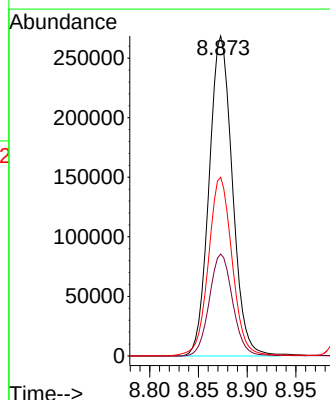
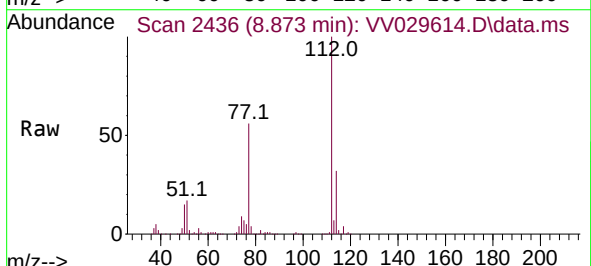
Tgt Ion:112 Resp: 447754

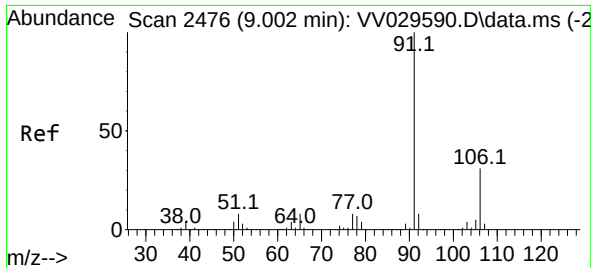
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 55.9 45.0 67.4

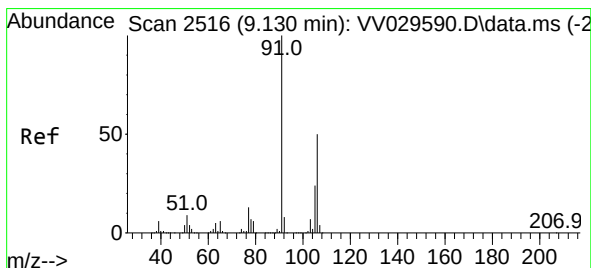
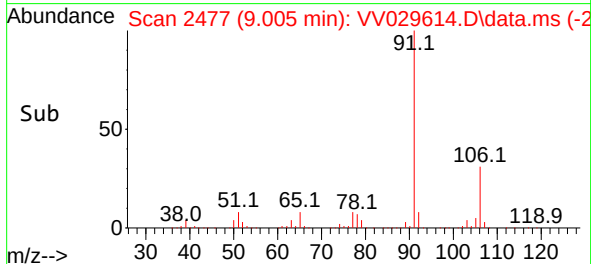
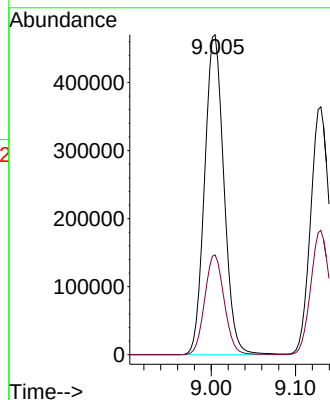
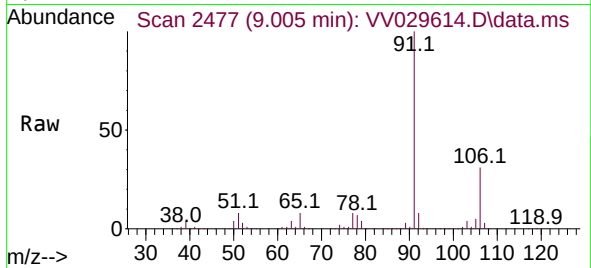




#52
Ethylbenzene
Concen: 49.418 ug/L
RT: 9.005 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

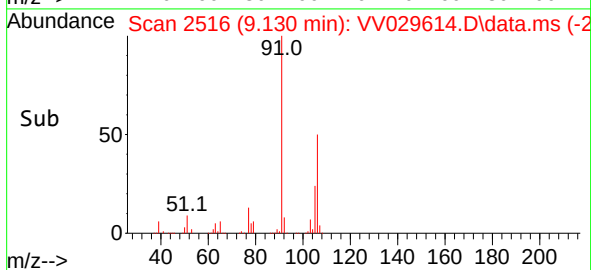
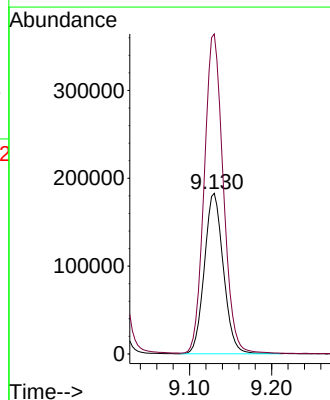
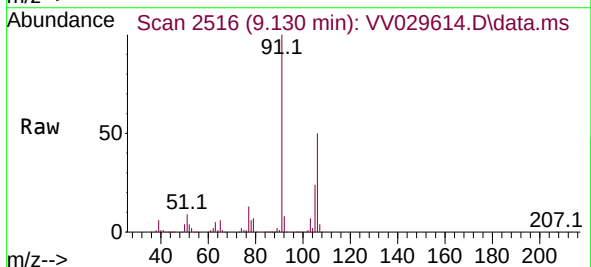
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

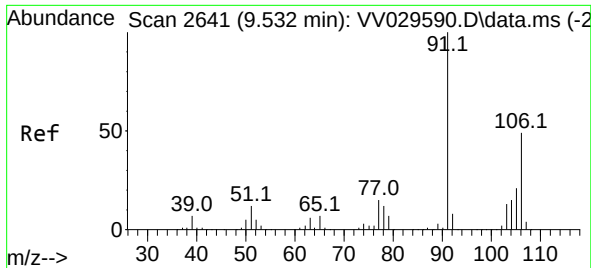
Tgt Ion: 91 Resp: 751321
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 48.844 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 106 Resp: 293911
Ion Ratio Lower Upper
106 100
91 199.3 139.5 259.1

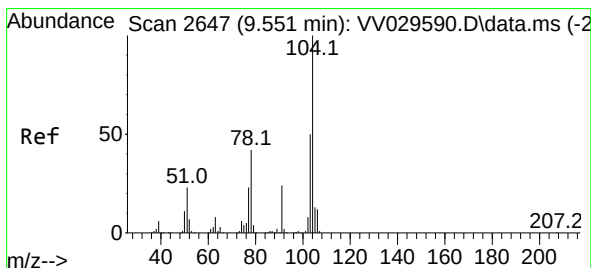
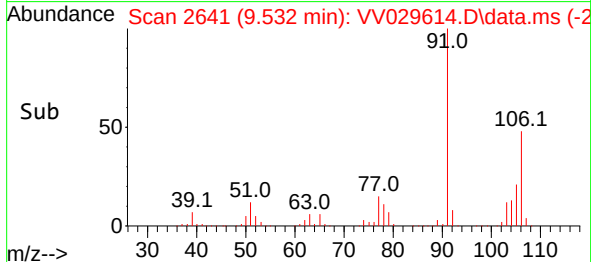
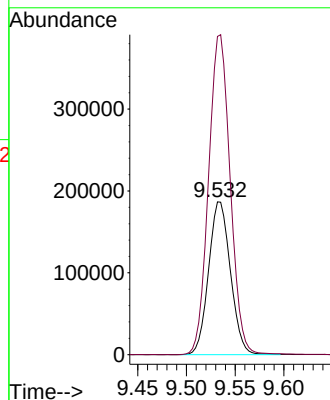
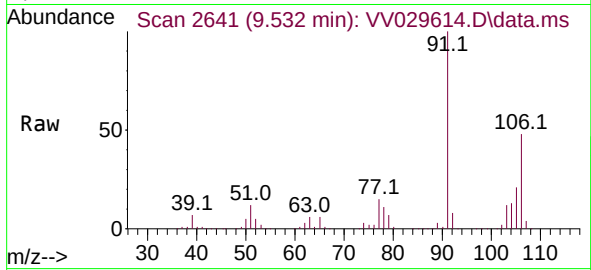




#54
o-Xylene
Concen: 48.983 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

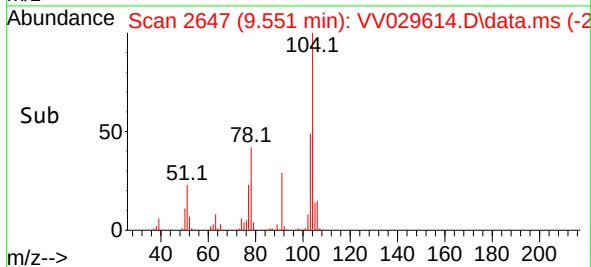
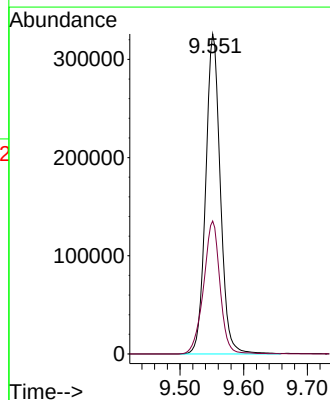
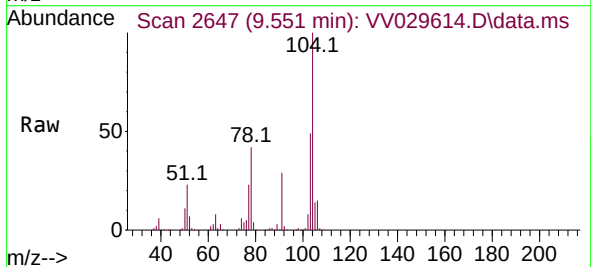
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

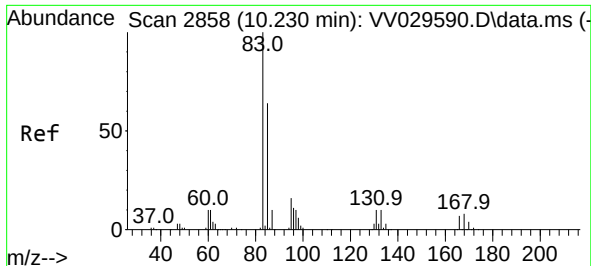
Tgt Ion:106 Resp: 291551
Ion Ratio Lower Upper
106 100
91 208.3 148.0 274.8



#55
Styrene
Concen: 50.478 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion:104 Resp: 522133
Ion Ratio Lower Upper
104 100
78 41.6 29.4 54.6

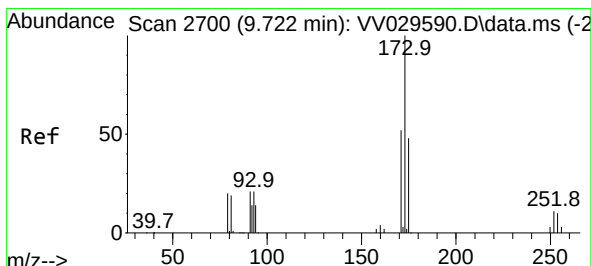
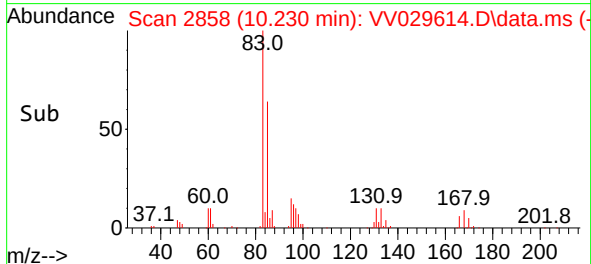
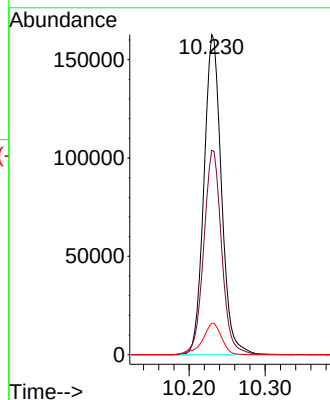
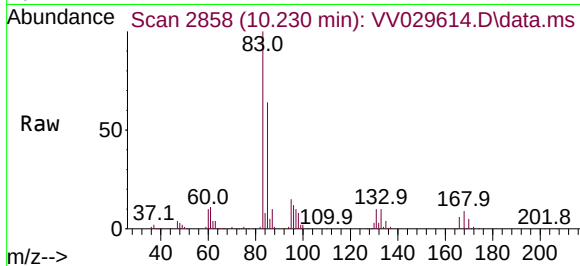




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.474 ug/L
 RT: 10.230 min Scan# 2858
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

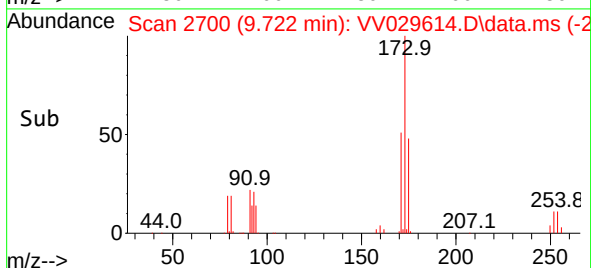
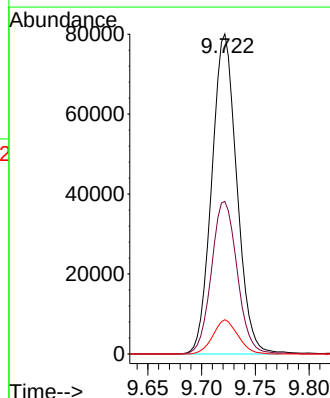
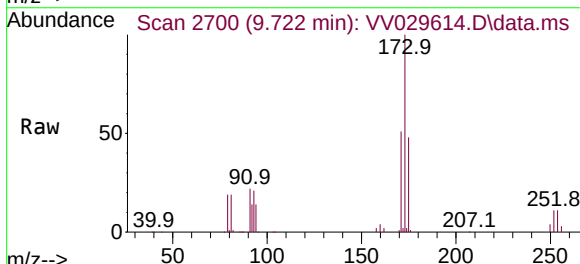
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

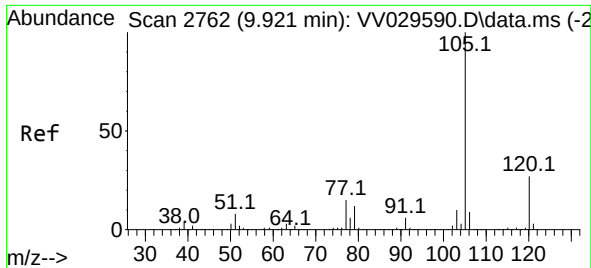
Tgt Ion: 83 Resp: 259770
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.7 84.9
 131 9.8 7.9 11.9



#59
 Bromoform
 Concen: 45.074 ug/L
 RT: 9.722 min Scan# 2700
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion: 173 Resp: 129591
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.4 57.6
 254 10.6 7.8 11.8

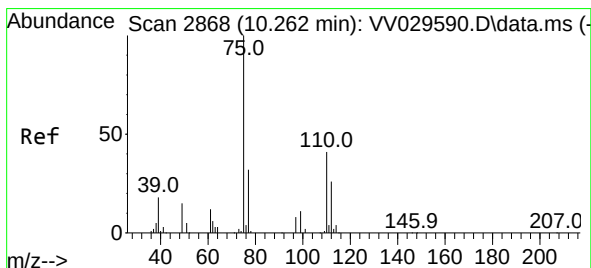
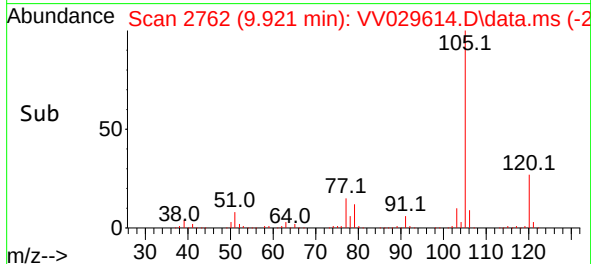
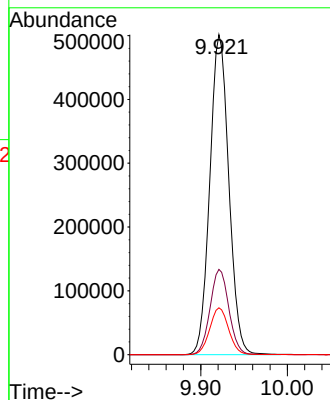
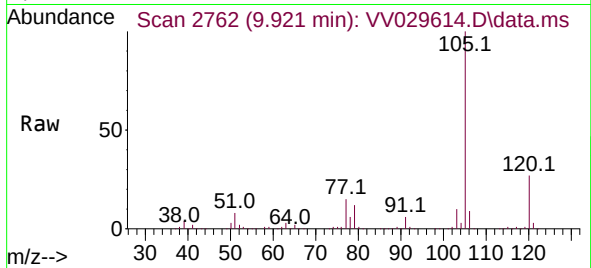




#60
Isopropylbenzene
Concen: 50.029 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

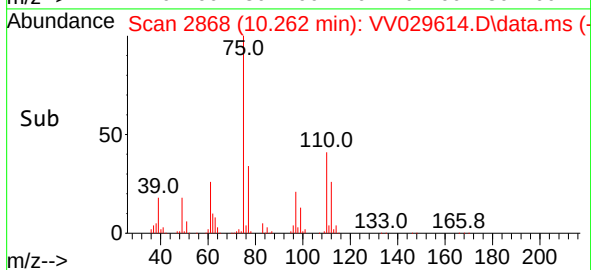
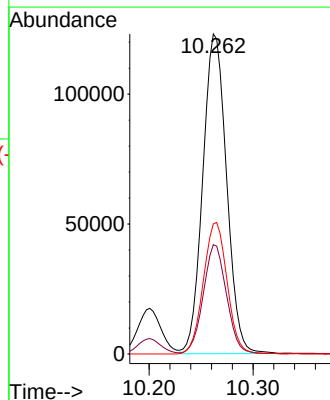
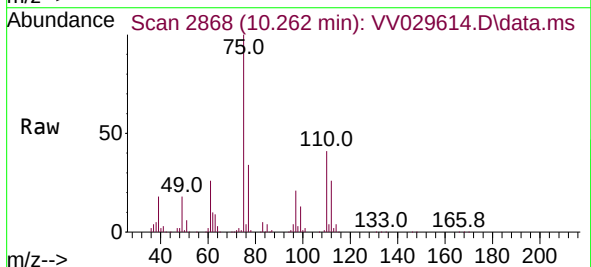
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

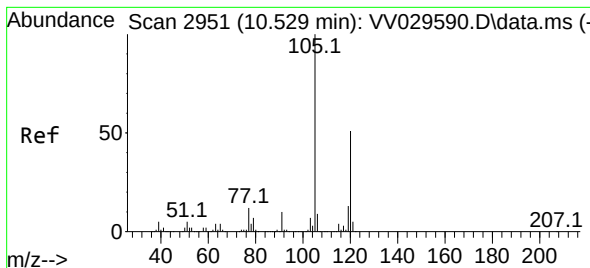
Tgt Ion:105 Resp: 764470
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 14.6 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 48.722 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion: 75 Resp: 195733
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2
110 41.1 32.7 49.1

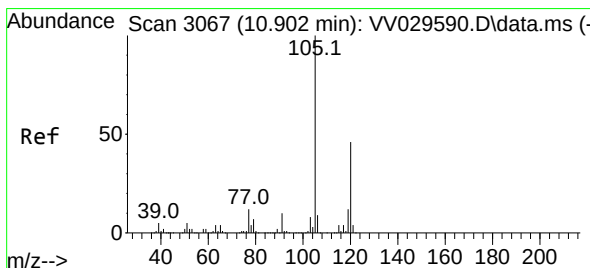
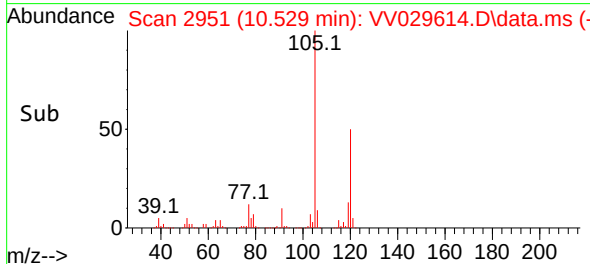
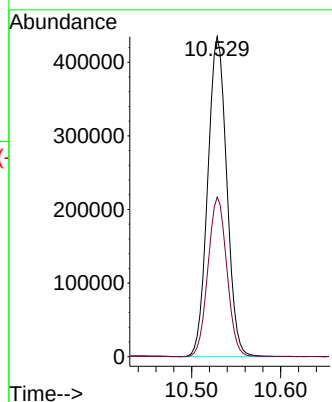
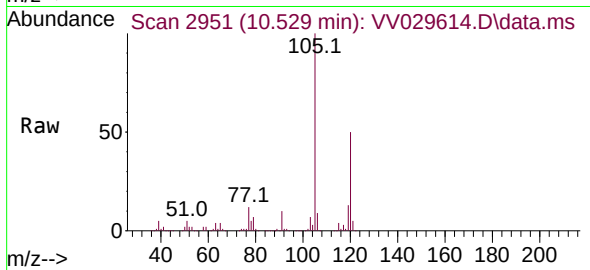




#62
 1,3,5-Trimethylbenzene
 Concen: 47.605 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

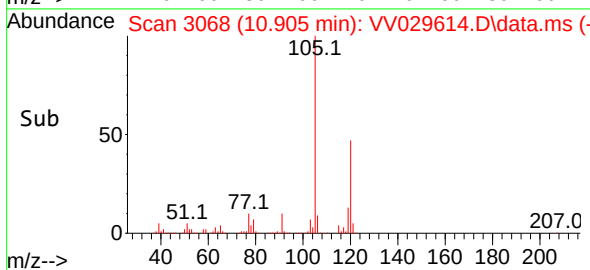
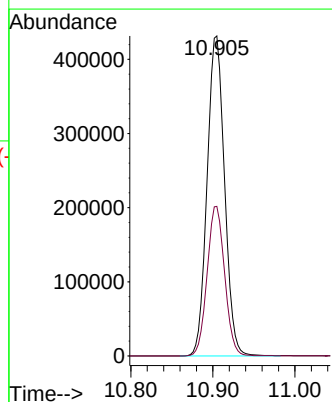
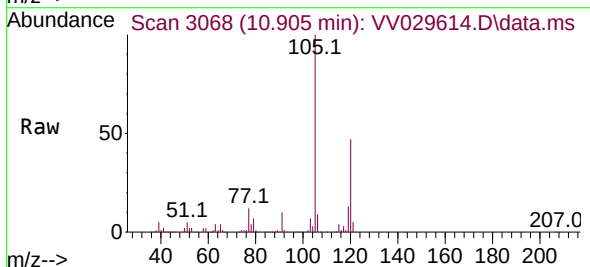
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

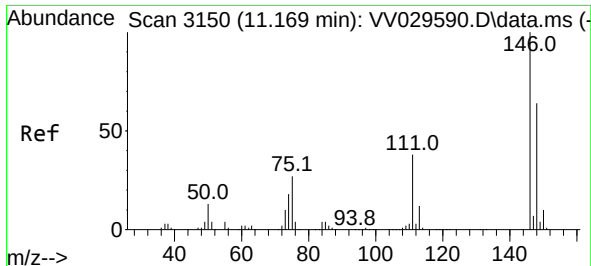
Tgt Ion:105 Resp: 643176
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.0 60.0



#63
 1,2,4-Trimethylbenzene
 Concen: 47.668 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.003 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion:105 Resp: 638404
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.7 55.1

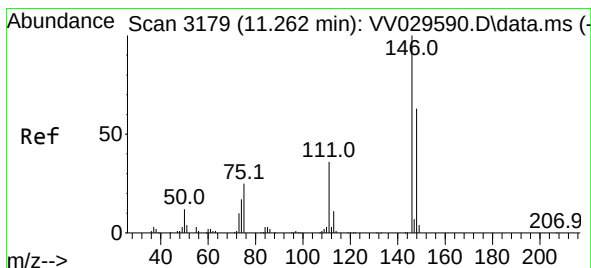
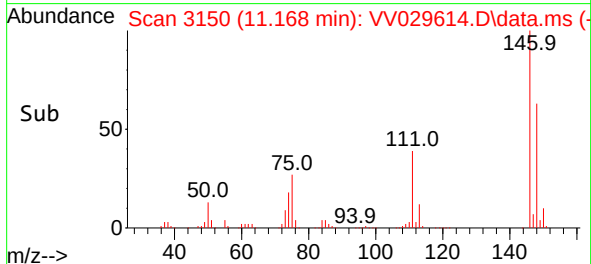
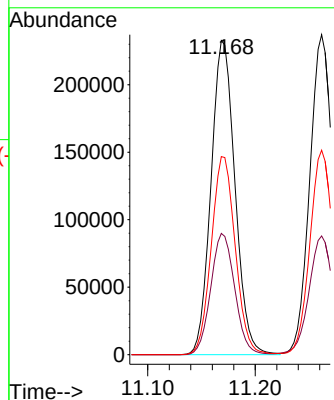
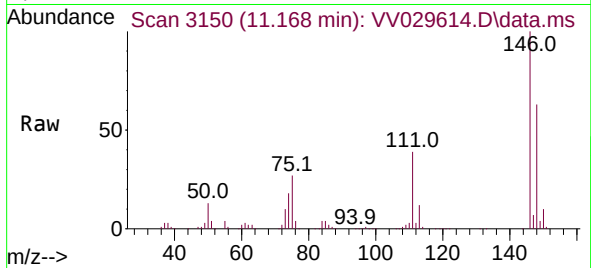




#64
1,3-Dichlorobenzene
Concen: 48.236 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

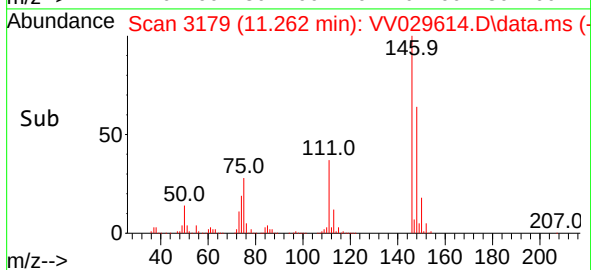
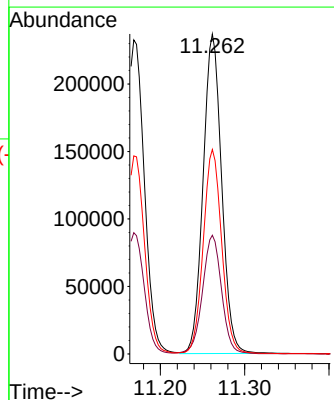
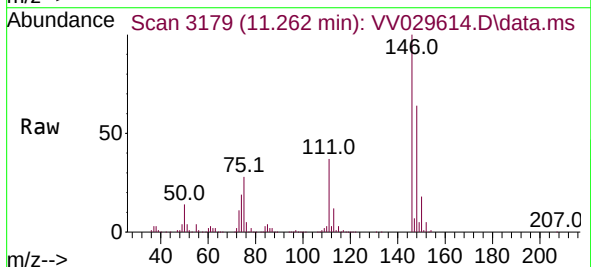
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

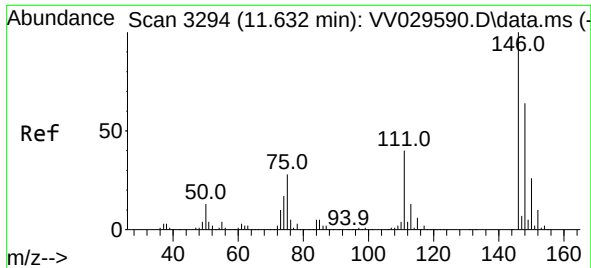
Tgt Ion:146 Resp: 360392
Ion Ratio Lower Upper
146 100
111 38.6 27.4 51.0
148 63.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 47.809 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion:146 Resp: 363020
Ion Ratio Lower Upper
146 100
111 37.1 26.2 48.8
148 63.9 44.7 83.1

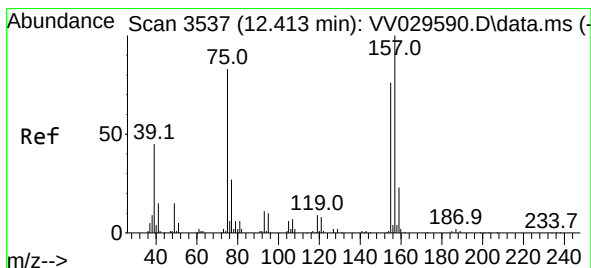
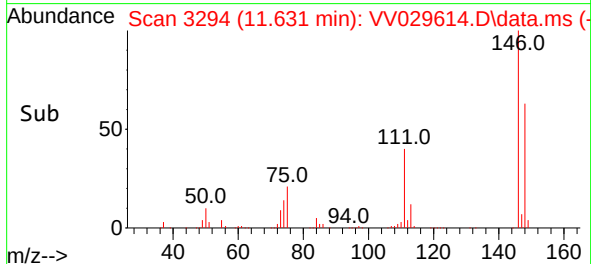
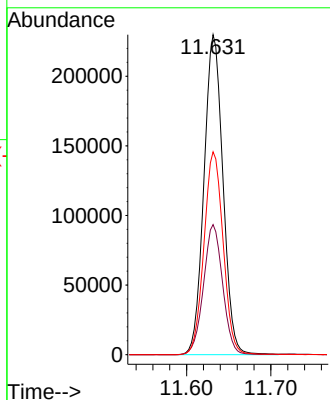
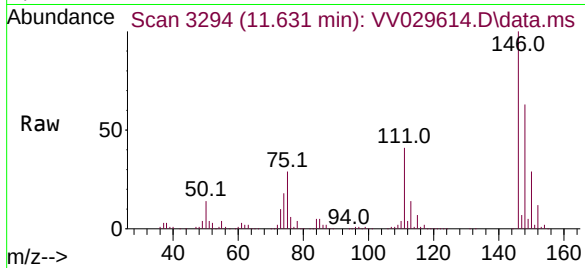




#67
 1,2-Dichlorobenzene
 Concen: 47.221 ug/L
 RT: 11.631 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

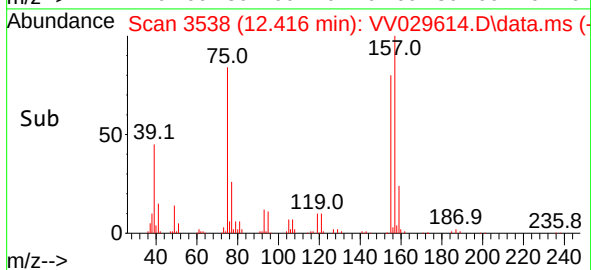
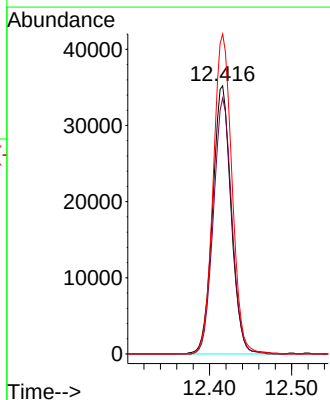
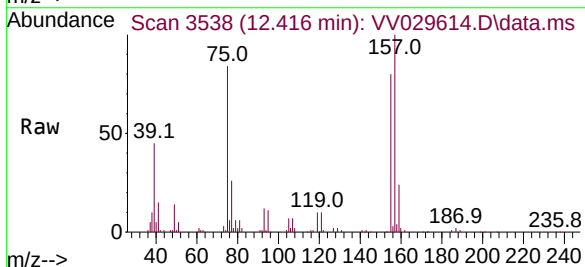
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

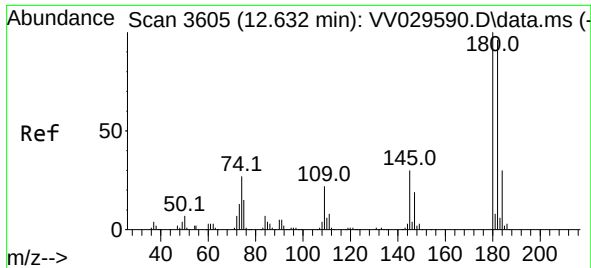
Tgt Ion:146 Resp: 360775
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.0 48.0
 148 63.4 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 44.459 ug/L
 RT: 12.416 min Scan# 3538
 Delta R.T. 0.003 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion: 75 Resp: 55512
 Ion Ratio Lower Upper
 75 100
 155 95.4 76.2 114.2
 157 119.3 96.0 144.0

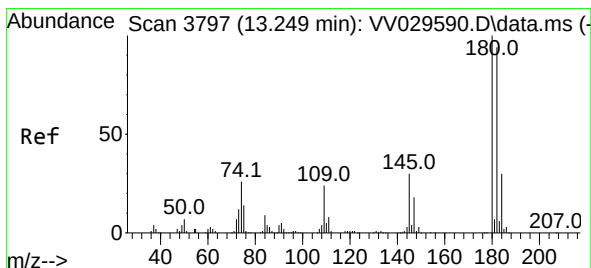
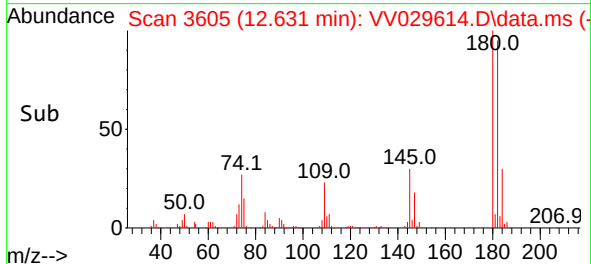
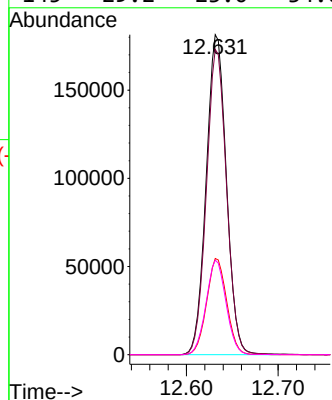
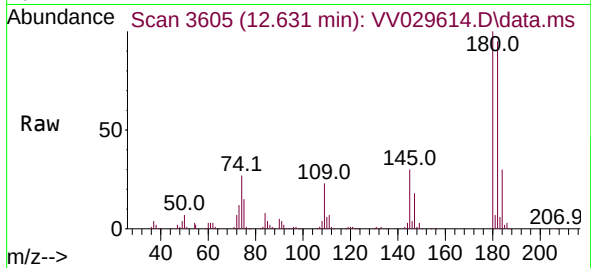




#69
 1,3,5-Trichlorobenzene
 Concen: 46.774 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

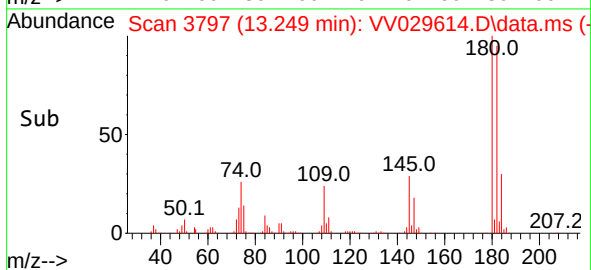
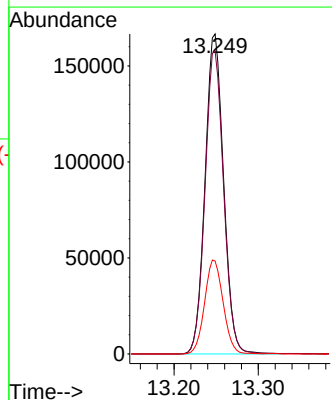
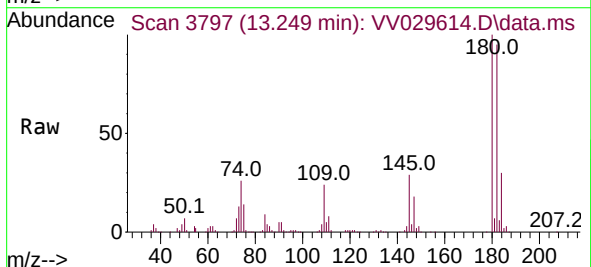
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

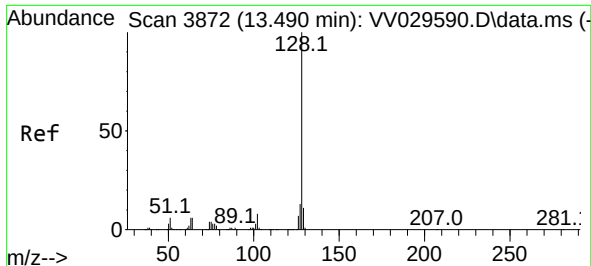
Tgt Ion:180	Resp:	278107
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.5 114.7
184	29.9	24.6 36.8
145	29.2	23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 48.298 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.000 min
 Lab File: VV029614.D
 Acq: 12 Dec 2022 22:30

Tgt Ion:180	Resp:	255364
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.3 114.5
145	29.4	23.7 35.5

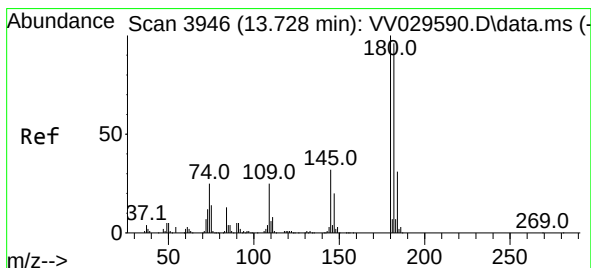
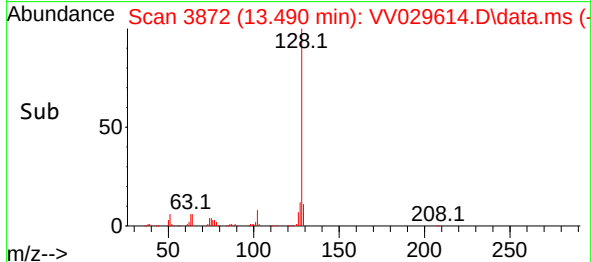
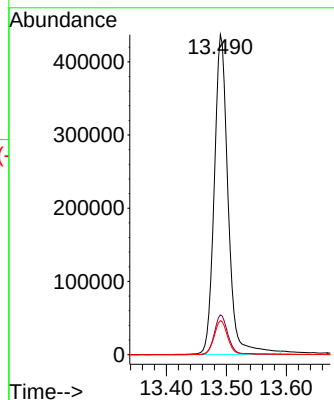
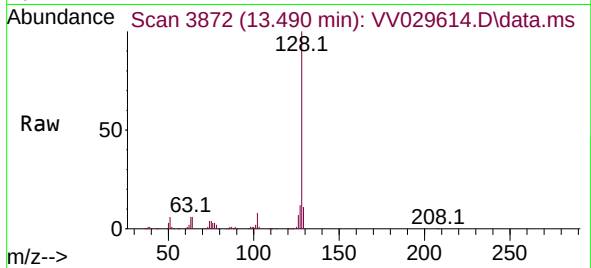




#71
Naphthalene
Concen: 58.521 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.000 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

Tgt Ion:128 Resp: 701844
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.4 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 49.979 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VV029614.D
Acq: 12 Dec 2022 22:30

Tgt Ion:180 Resp: 258826
Ion Ratio Lower Upper
180 100
182 94.2 76.4 114.6
145 31.5 25.0 37.6

