

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029534.D
 Acq On : 09 Dec 2022 20:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050380

Quant Time: Dec 09 23:54:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 09 23:48:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	486562	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	450388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	244066	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	163064	54.729	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 109.460%		
7) Chloroethane-d5	1.564	69	130822	57.581	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 115.160%		
11) 1,1-Dichloroethene-d2	2.108	63	271853	58.498	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 117.000%		
21) 2-Butanone-d5	3.870	46	193746	106.596	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 106.600%		
24) Chloroform-d	4.342	84	293964	52.429	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 104.860%		
26) 1,2-Dichloroethane-d4	5.027	65	170665	53.295	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 106.580%		
32) Benzene-d6	5.047	84	626261	52.623	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 105.240%		
36) 1,2-Dichloropropane-d6	6.066	67	184079	50.639	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 101.280%		
41) Toluene-d8	7.310	98	581763	51.882	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 103.760%		
43) trans-1,3-Dichloroprop...	7.616	79	78451	42.738	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 85.480%		
47) 2-Hexanone-d5	8.082	63	169666	109.301	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 109.300%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	250491	48.221	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 96.440%		
66) 1,2-Dichlorobenzene-d4	11.612	152	227285	48.920	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 97.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	192298	50.175	ug/L	100
3) Chloromethane	1.240	50	204007	46.687	ug/L	99
5) Vinyl chloride	1.310	62	191927	52.497	ug/L	99
6) Bromomethane	1.516	94	86009	58.467	ug/L	100
8) Chloroethane	1.580	64	112964	55.490	ug/L	99
9) Trichlorofluoromethane	1.751	101	245681	53.681	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	140520	55.255	ug/L	98
12) 1,1-Dichloroethene	2.117	96	141488	54.402	ug/L	95
13) Acetone	2.156	43	116024	97.989	ug/L	99
14) Carbon disulfide	2.291	76	431842	49.891	ug/L	99
15) Methyl Acetate	2.423	43	149111	55.274	ug/L	98
16) Methylene chloride	2.503	84	172498	53.343	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	159889	53.355	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	497090	54.141	ug/L	99
19) 1,1-Dichloroethane	3.185	63	280046	54.550	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	175711	53.323	ug/L	96
22) 2-Butanone	3.953	43	204956	108.785	ug/L	97
23) Bromochloromethane	4.239	128	90589	53.388	ug/L	95
25) Chloroform	4.368	83	289579	54.409	ug/L	99

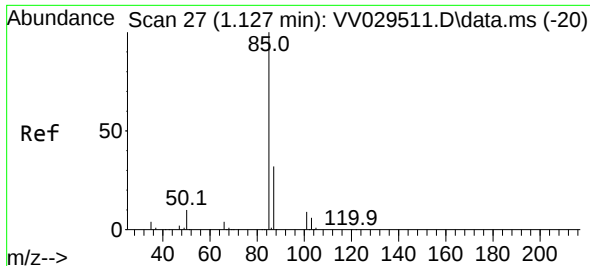
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 09 23:48:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	207499	55.190	ug/L	99
29) Cyclohexane	4.674	56	260450	53.383	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	254279	51.820	ug/L	99
31) Carbon tetrachloride	4.825	117	217853	50.841	ug/L	100
33) Benzene	5.095	78	674454	53.127	ug/L	100
34) Trichloroethene	5.908	95	167063	52.515	ug/L	98
35) Methylcyclohexane	6.127	83	288141	53.330	ug/L	98
37) 1,2-Dichloropropane	6.169	63	163851	53.475	ug/L	100
38) Bromodichloromethane	6.503	83	216273	51.130	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	220045	43.666	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	410658	112.407	ug/L	98
42) Toluene	7.381	91	726503	53.168	ug/L	99
44) trans-1,3-Dichloropropene	7.644	75	215433	45.143	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	168319	53.172	ug/L	99
46) Tetrachloroethene	7.969	164	136113	53.218	ug/L	97
48) 2-Hexanone	8.133	43	314956	112.842	ug/L	97
49) Dibromochloromethane	8.239	129	176417	50.477	ug/L	98
50) 1,2-Dibromoethane	8.345	107	164566	50.460	ug/L	100
51) Chlorobenzene	8.873	112	459786	53.139	ug/L	100
52) Ethylbenzene	9.005	91	768251	53.477	ug/L	100
53) m,p-Xylene	9.130	106	300910	52.923	ug/L	99
54) o-Xylene	9.535	106	297436	52.885	ug/L	99
55) Styrene	9.551	104	532763	54.509	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	259802	51.306	ug/L	99
59) Bromoform	9.722	173	129552	48.051	ug/L	98
60) Isopropylbenzene	9.921	105	757856	52.888	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	197467	52.416	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	664862	52.476	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	659385	52.502	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	365250	52.131	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	367743	51.645	ug/L	99
67) 1,2-Dichlorobenzene	11.631	146	369481	51.570	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	53830	45.973	ug/L	98
69) 1,3,5-Trichlorobenzene	12.631	180	281627	50.509	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	257172	51.868	ug/L	99
71) Naphthalene	13.490	128	595769	52.974	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	255462	52.603	ug/L	99

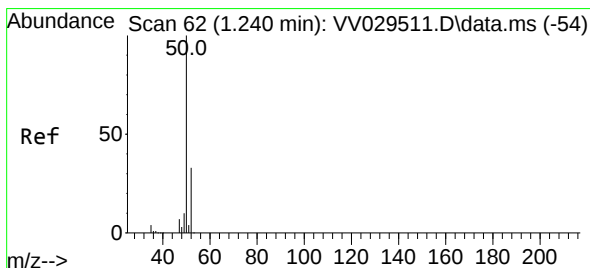
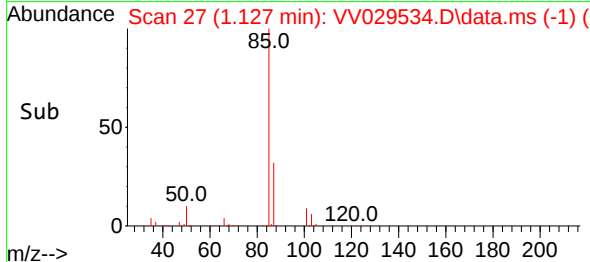
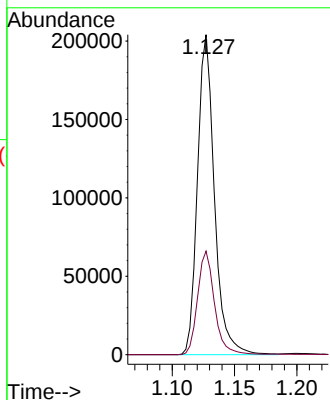
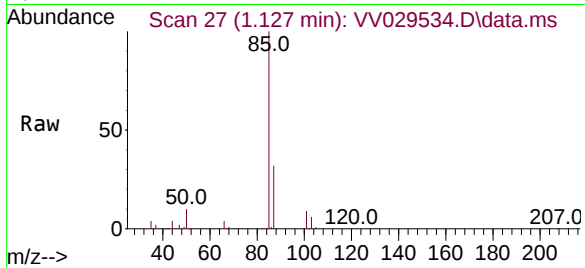
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#2
 Dichlorodifluoromethane
 Concen: 50.175 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

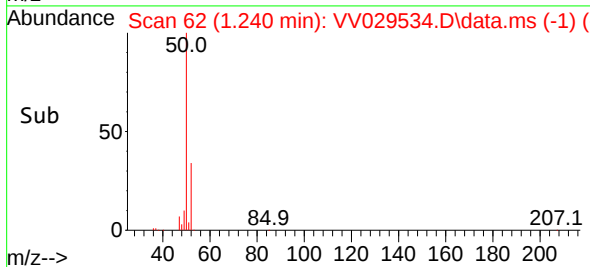
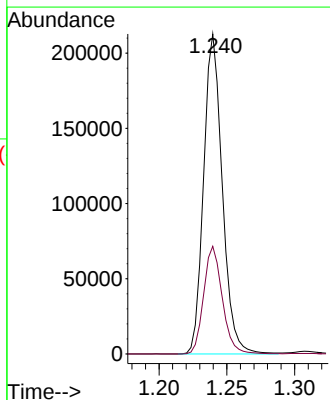
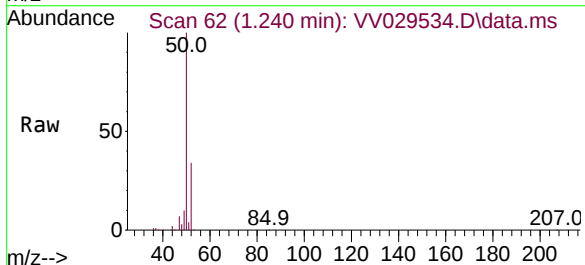
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 ClientSampleId :
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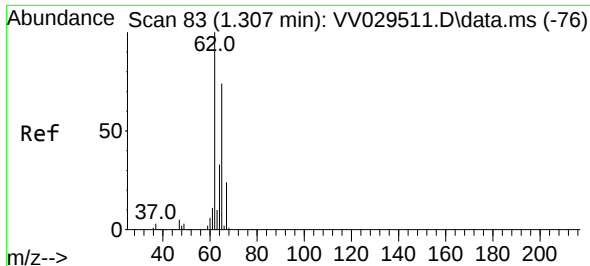
Tgt Ion: 85 Resp: 192298
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 46.687 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

Tgt Ion: 50 Resp: 204007
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.3 43.3

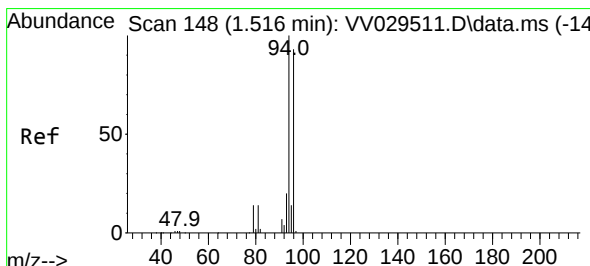
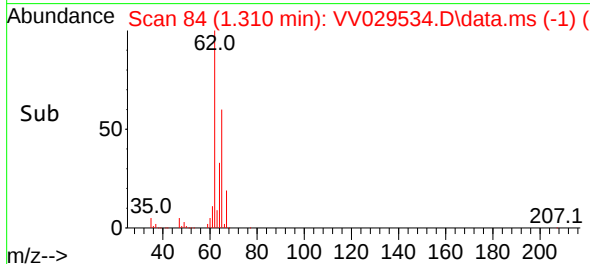
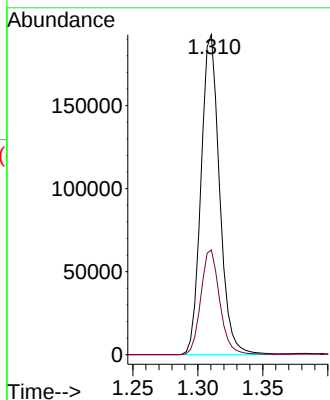
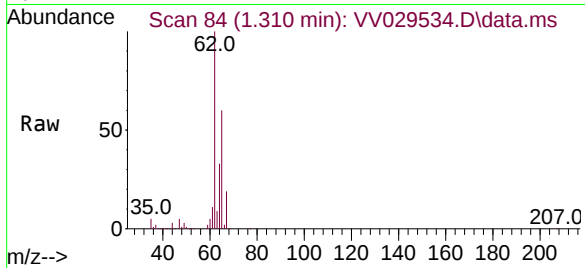




#5
 Vinyl chloride
 Concen: 52.497 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

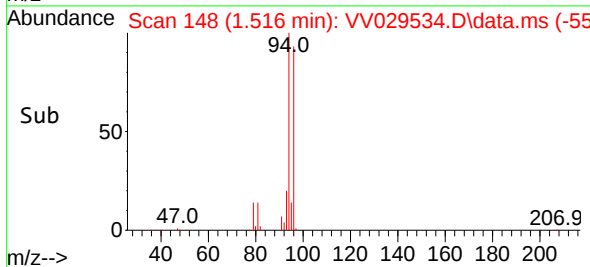
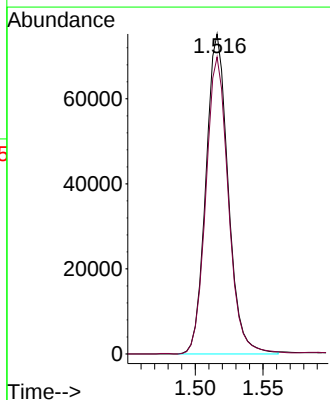
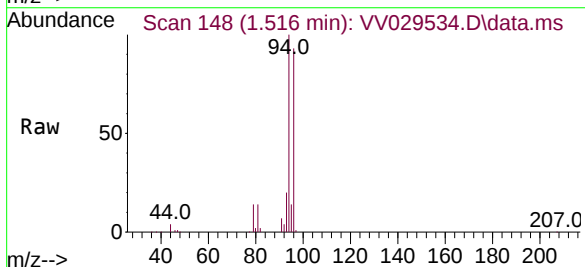
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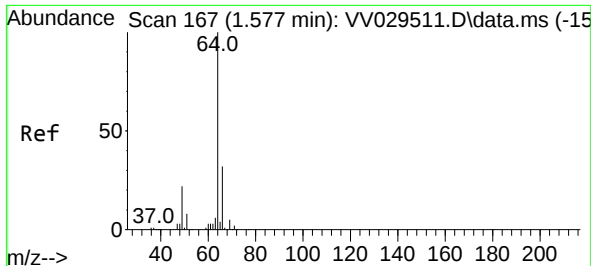
Tgt Ion: 62 Resp: 191927
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.9



#6
 Bromomethane
 Concen: 58.467 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

Tgt Ion: 94 Resp: 86009
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.1 120.9

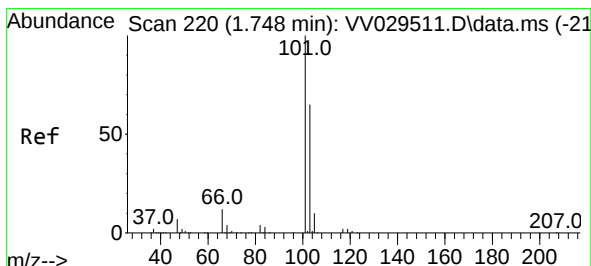
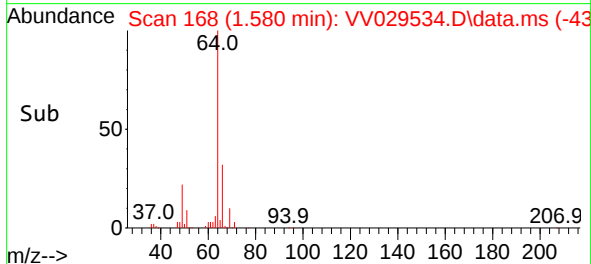
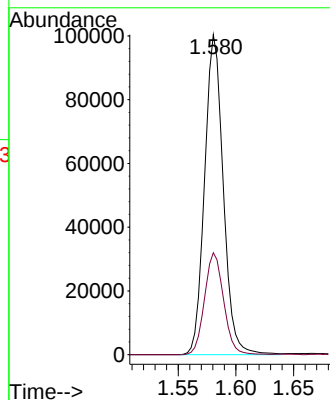
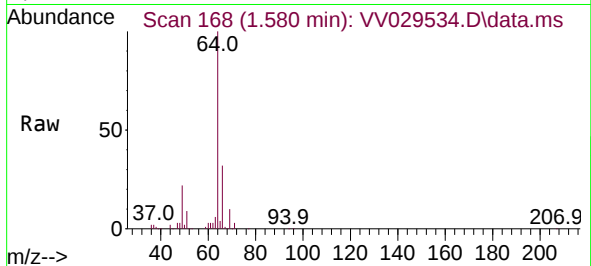




#8
Chloroethane
Concen: 55.490 ug/L
RT: 1.580 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

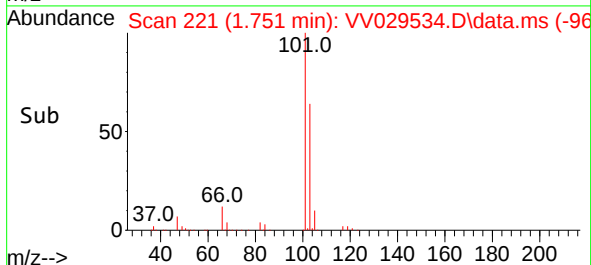
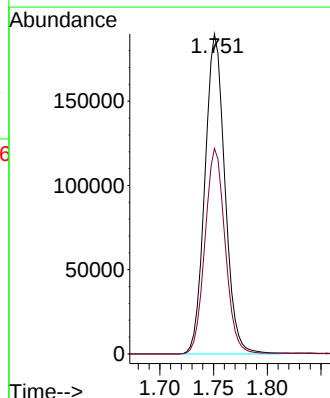
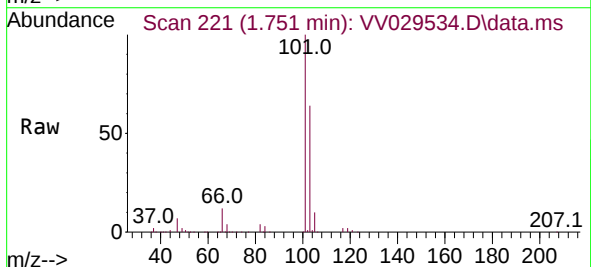
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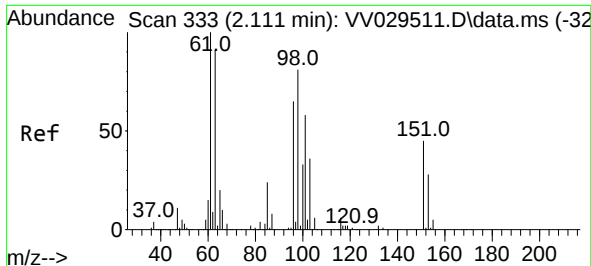
Tgt Ion: 64 Resp: 112964
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.681 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion:101 Resp: 245681
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

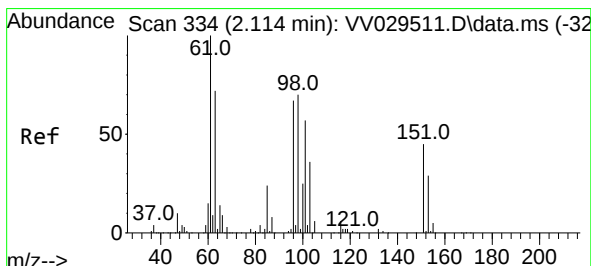
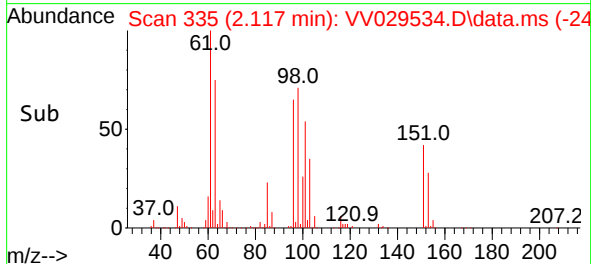
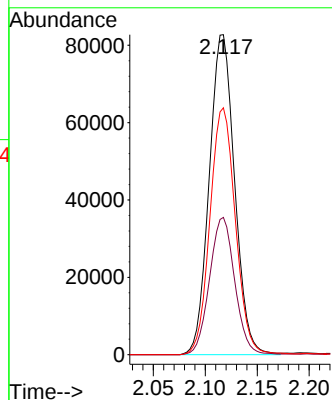
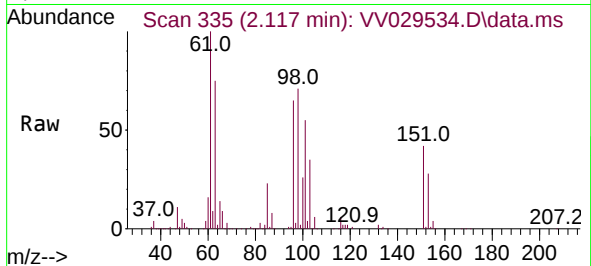




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.255 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.006 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

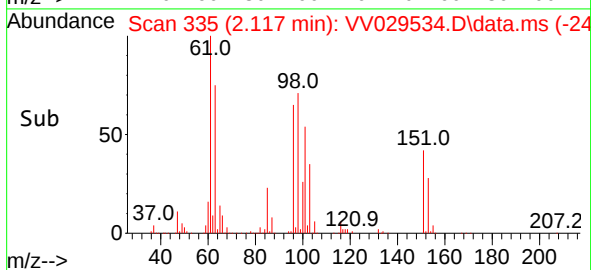
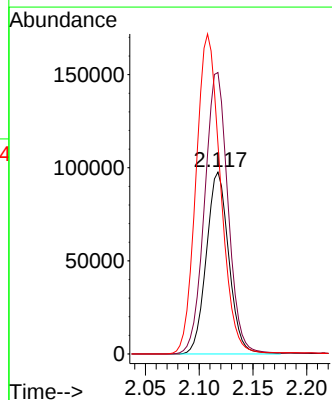
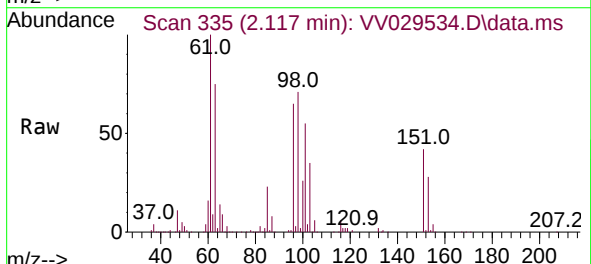
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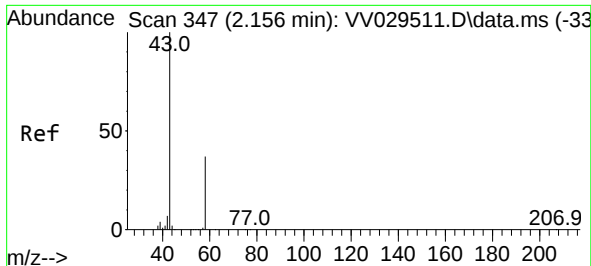
Tgt Ion:101 Resp: 140520
 Ion Ratio Lower Upper
 101 100
 85 42.6 33.6 50.4
 151 77.5 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 54.402 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029534.D
 Acq: 09 Dec 2022 20:11

Tgt Ion: 96 Resp: 141488
 Ion Ratio Lower Upper
 96 100
 61 154.7 103.3 191.9
 63 115.6 77.3 143.7





#13

Acetone

Concen: 97.989 ug/L

RT: 2.156 min Scan# 347

Delta R.T. -0.000 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

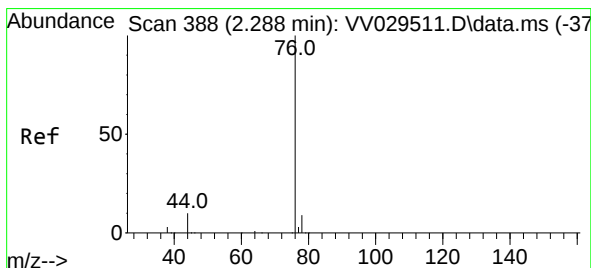
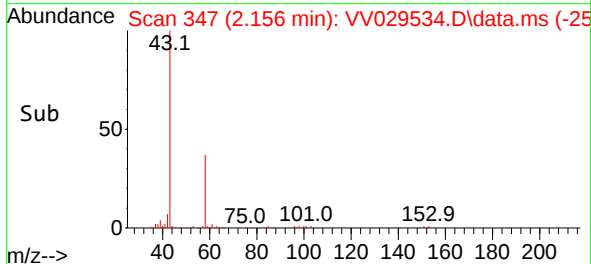
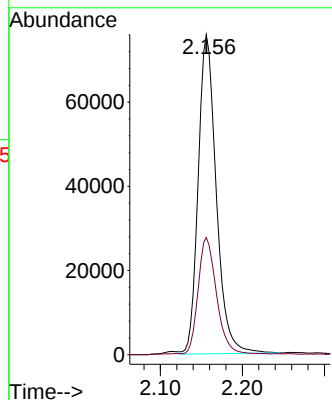
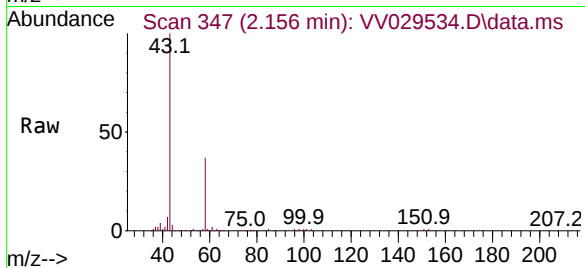
VSTD050380

Tgt Ion: 43 Resp: 116024

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.8



#14

Carbon disulfide

Concen: 49.891 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV029534.D

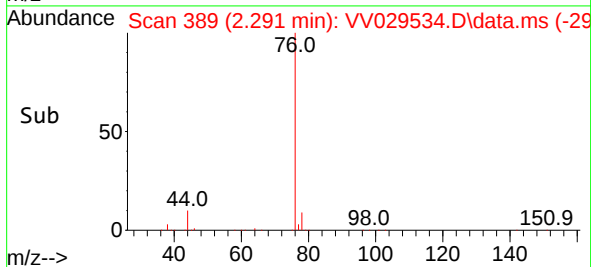
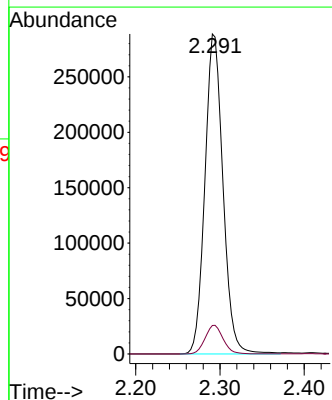
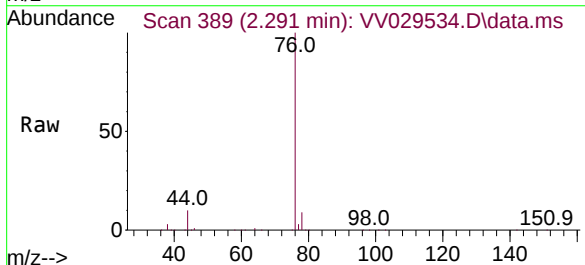
Acq: 09 Dec 2022 20:11

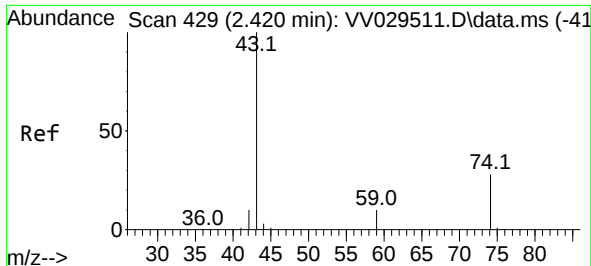
Tgt Ion: 76 Resp: 431842

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

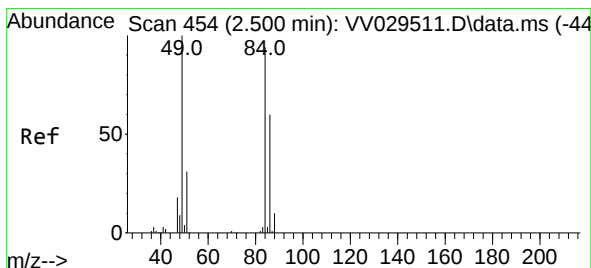
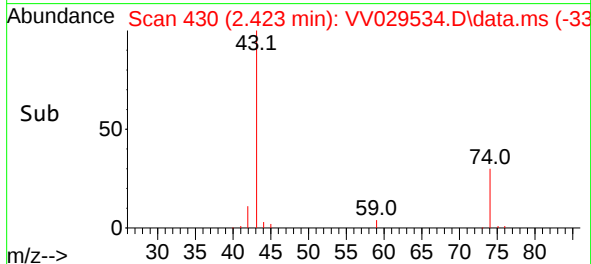
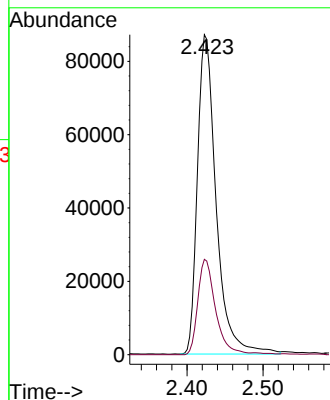
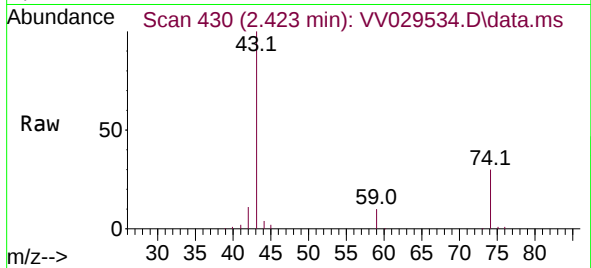




#15
Methyl Acetate
Concen: 55.274 ug/L
RT: 2.423 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

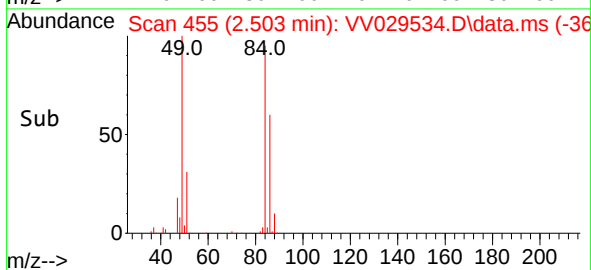
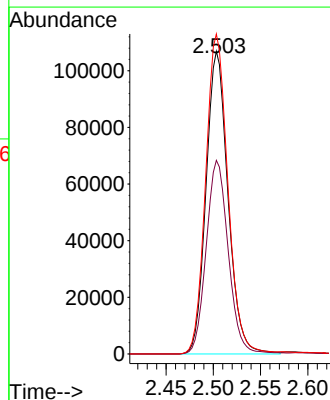
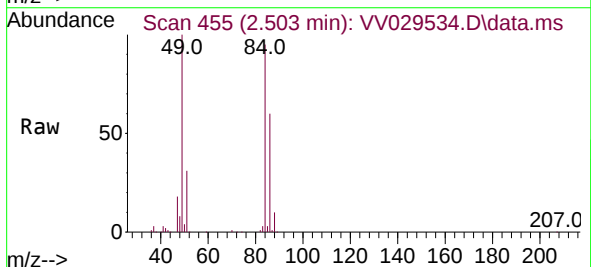
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

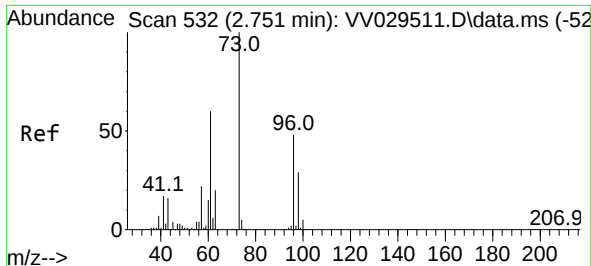
Tgt Ion: 43 Resp: 149111
Ion Ratio Lower Upper
43 100
74 28.1 23.5 35.3



#16
Methylene chloride
Concen: 53.343 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 84 Resp: 172498
Ion Ratio Lower Upper
84 100
86 63.9 46.0 85.4
49 105.7 72.2 134.0

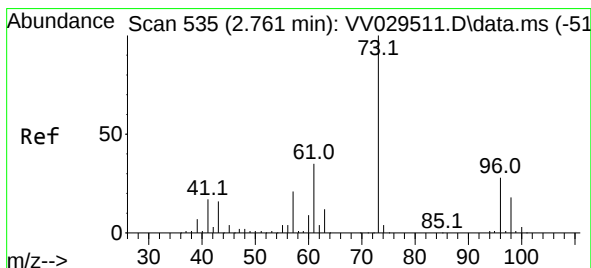
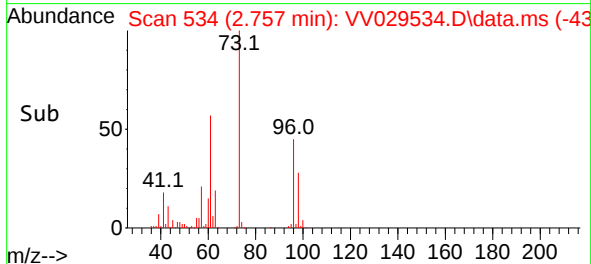
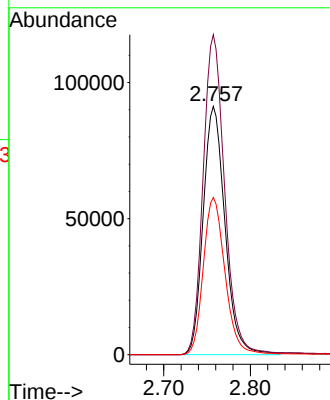
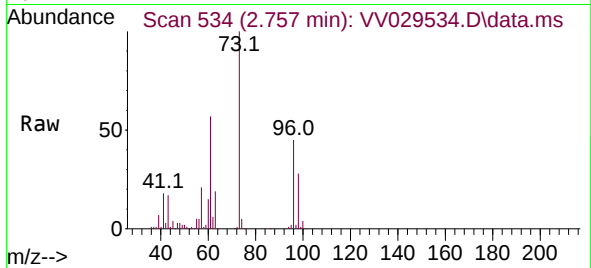




#17
trans-1,2-Dichloroethene
Concen: 53.355 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

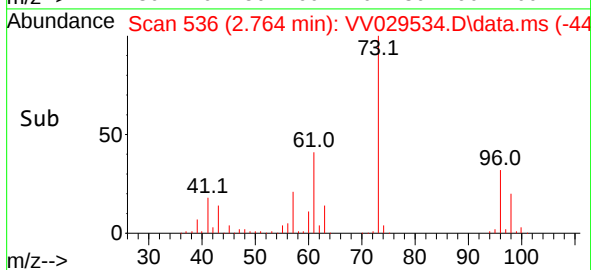
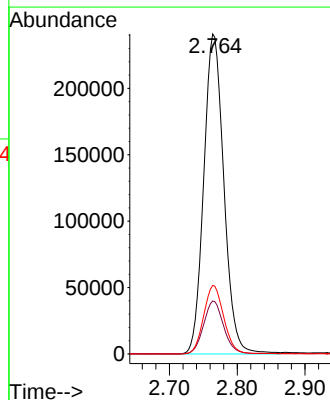
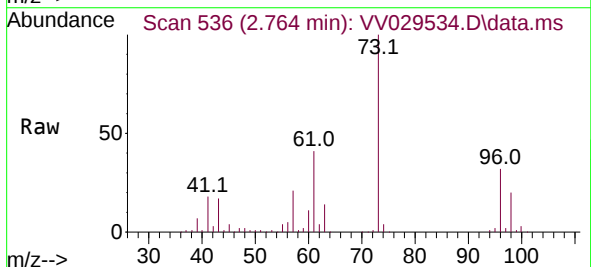
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

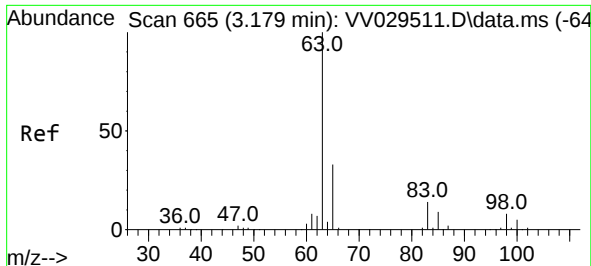
Tgt Ion: 96 Resp: 159889
Ion Ratio Lower Upper
96 100
61 128.8 86.4 160.4
98 63.3 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 54.141 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 73 Resp: 497090
Ion Ratio Lower Upper
73 100
43 16.3 12.7 19.1
57 21.3 16.7 25.1





#19

1,1-Dichloroethane

Concen: 54.550 ug/L

RT: 3.185 min Scan# 665

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD050380

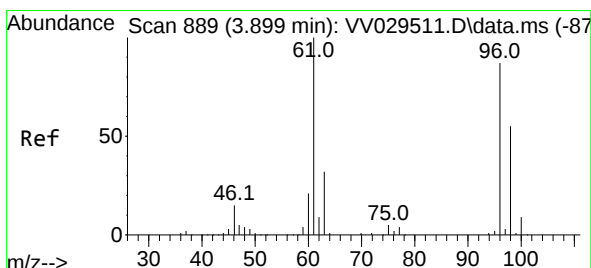
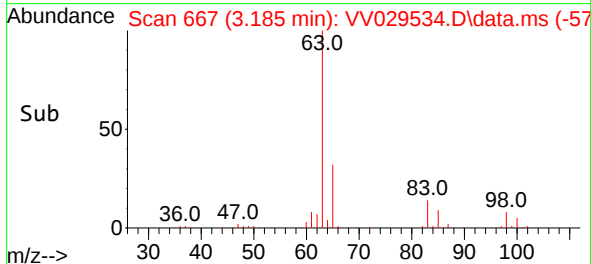
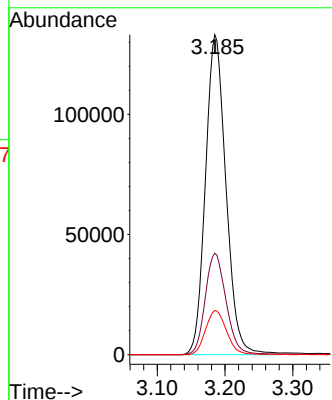
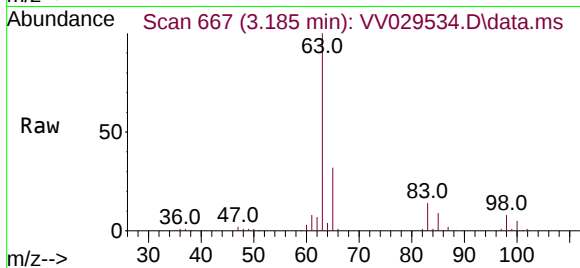
Tgt Ion: 63 Resp: 280046

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

83 13.8 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 53.323 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

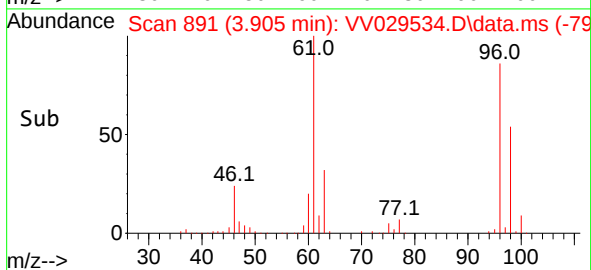
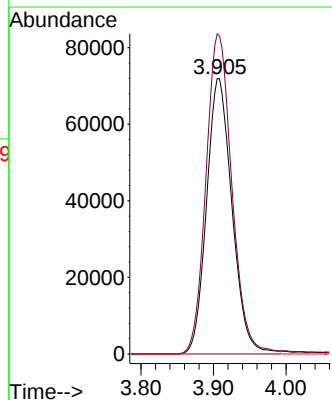
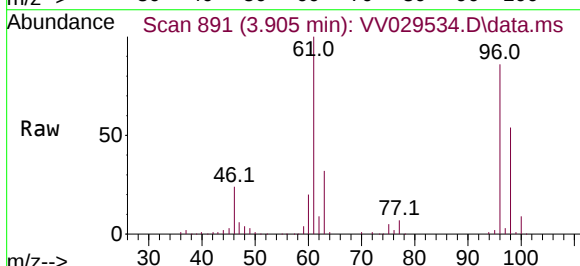
Tgt Ion: 96 Resp: 175711

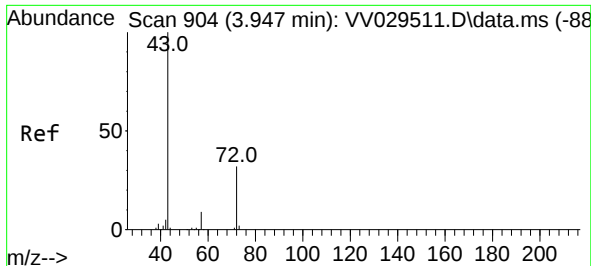
Ion Ratio Lower Upper

96 100

61 116.2 78.0 144.9

68 0.0 0.0 0.0

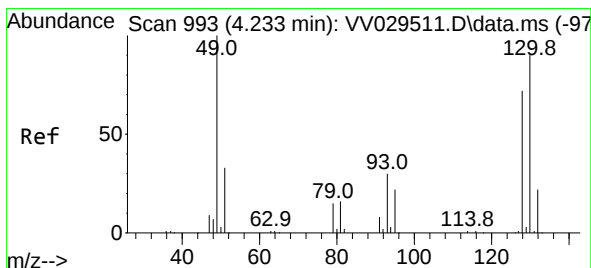
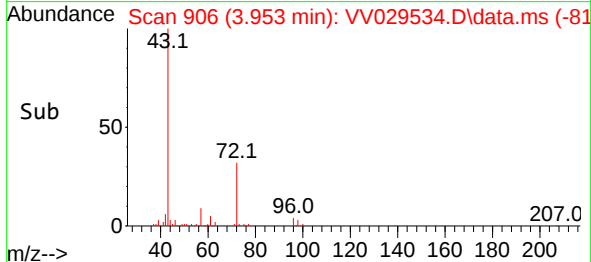
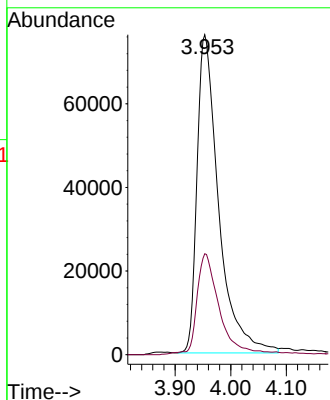
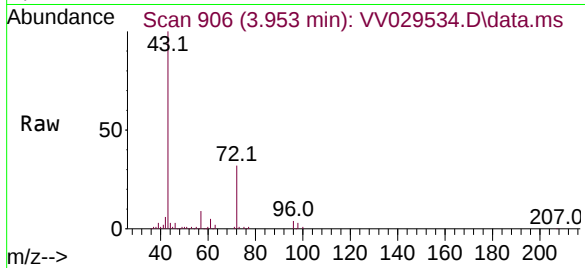




#22
2-Butanone
Concen: 108.785 ug/L
RT: 3.953 min Scan# 904
Delta R.T. 0.006 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

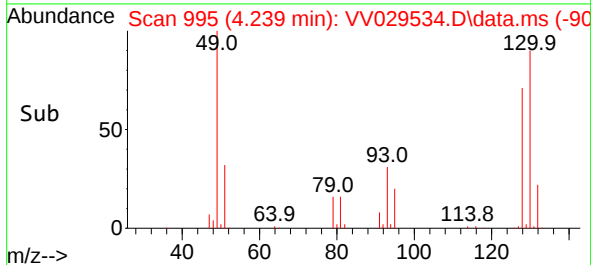
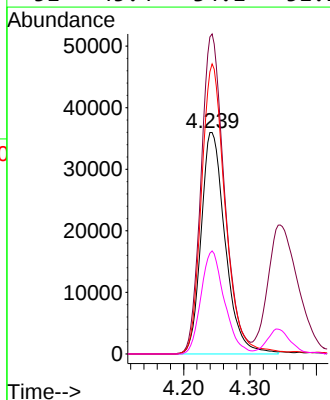
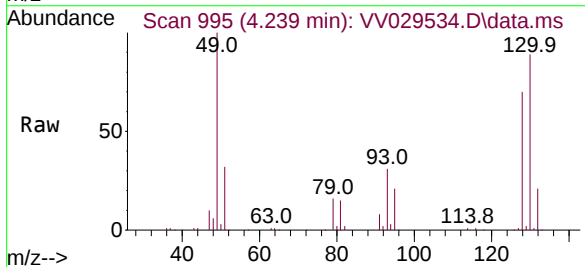
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

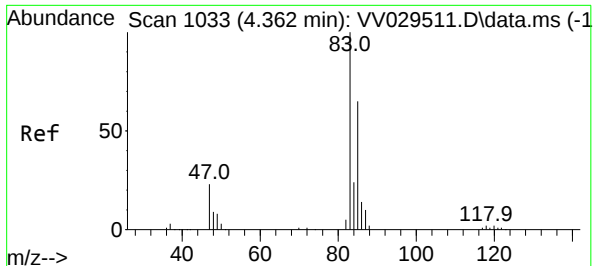
Tgt Ion: 43 Resp: 204956
Ion Ratio Lower Upper
43 100
72 29.8 15.9 47.6



#23
Bromochloromethane
Concen: 53.388 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.006 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 128 Resp: 90589
Ion Ratio Lower Upper
128 100
49 143.2 92.2 171.2
130 127.4 88.3 164.1
51 45.4 34.1 51.1





#25

Chloroform

Concen: 54.409 ug/L

RT: 4.368 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

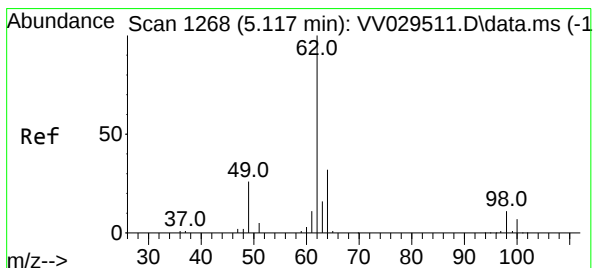
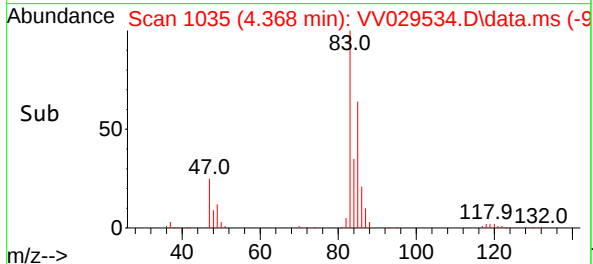
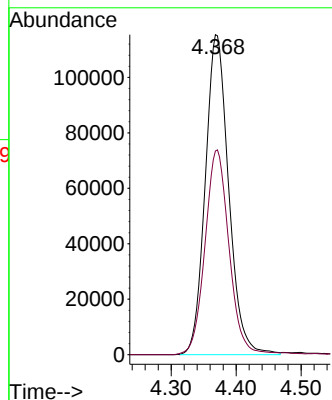
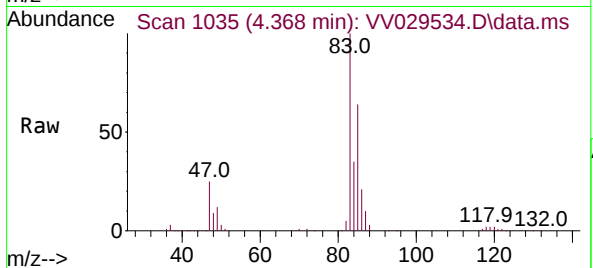
VSTD050380

Tgt Ion: 83 Resp: 289579

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9



#27

1,2-Dichloroethane

Concen: 55.190 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VV029534.D

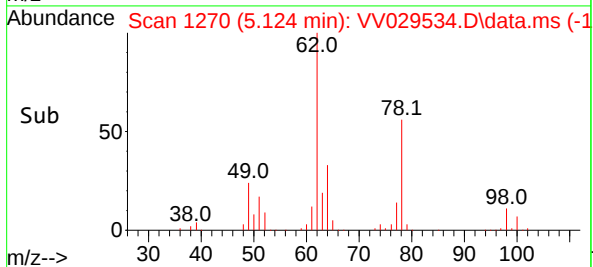
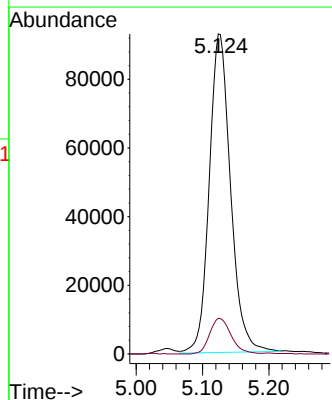
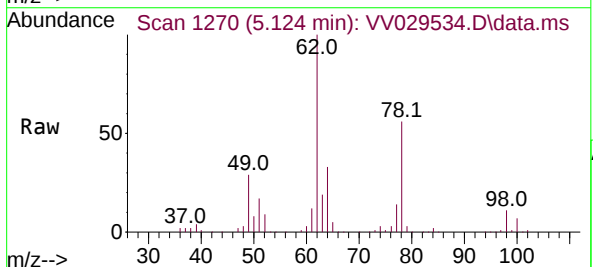
Acq: 09 Dec 2022 20:11

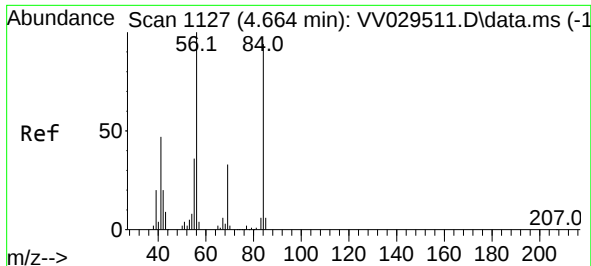
Tgt Ion: 62 Resp: 207499

Ion Ratio Lower Upper

62 100

98 11.1 9.4 14.0

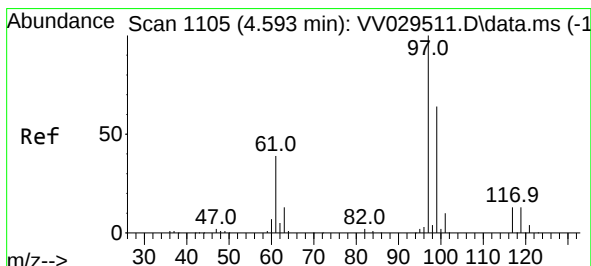
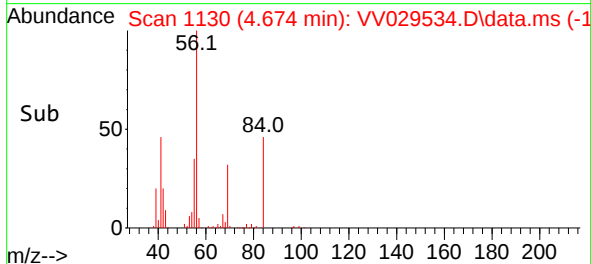
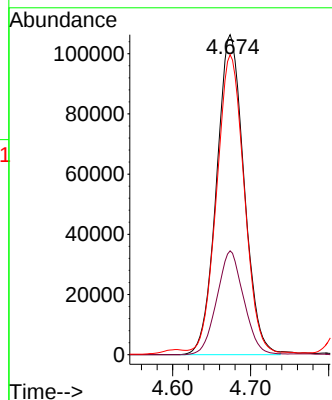
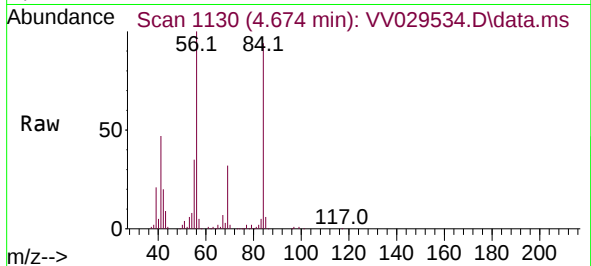




#29
Cyclohexane
Concen: 53.383 ug/L
RT: 4.674 min Scan# 1127
Delta R.T. 0.009 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

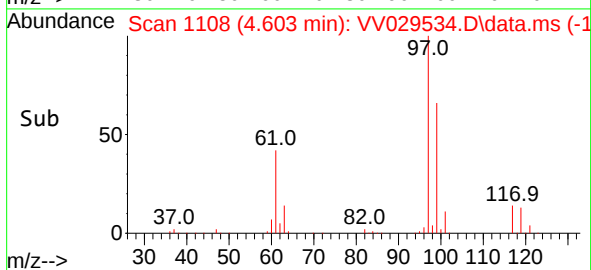
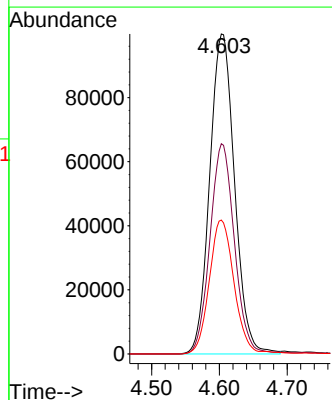
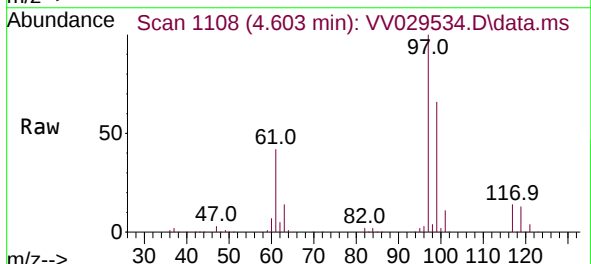
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

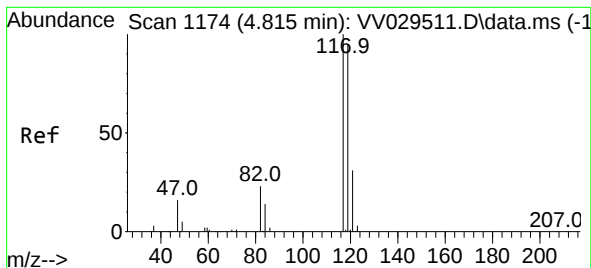
Tgt Ion: 56 Resp: 260450
Ion Ratio Lower Upper
56 100
69 31.7 25.8 38.8
84 93.4 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 51.820 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.009 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 97 Resp: 254279
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 41.3 31.8 47.8





#31

Carbon tetrachloride

Concen: 50.841 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. 0.009 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

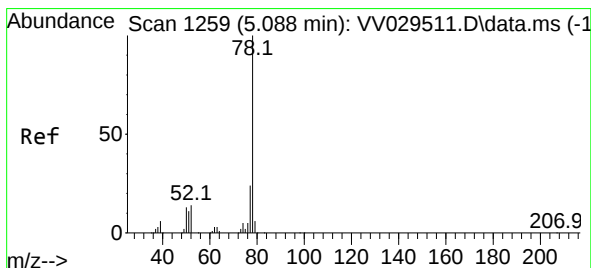
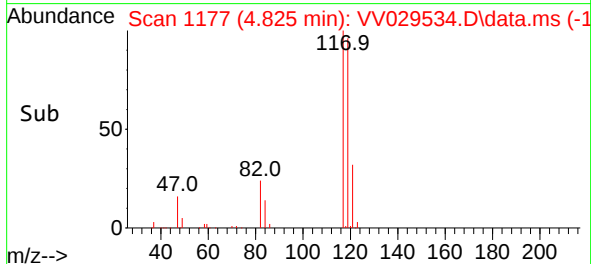
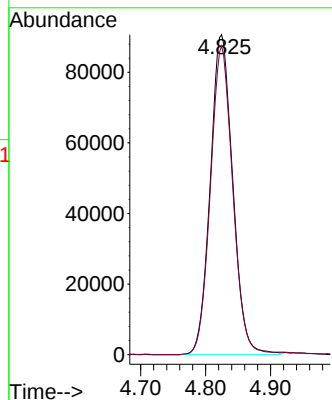
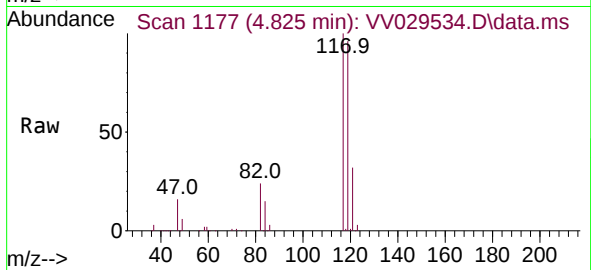
VSTD050380

Tgt Ion:117 Resp: 217853

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1



#33

Benzene

Concen: 53.127 ug/L

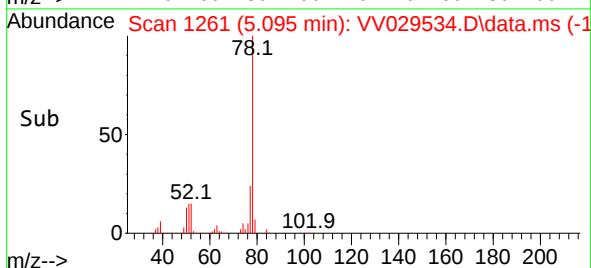
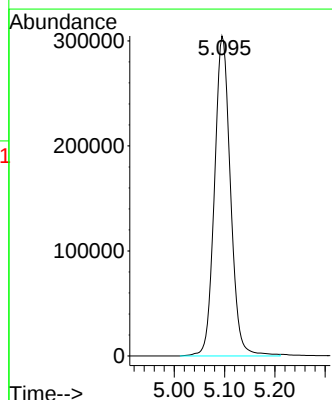
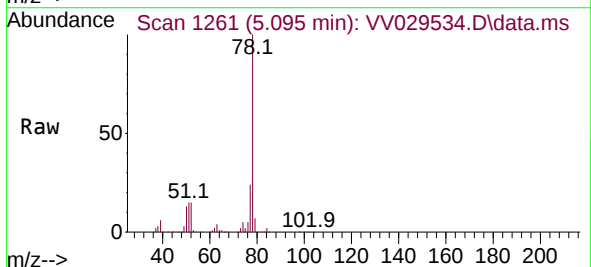
RT: 5.095 min Scan# 1261

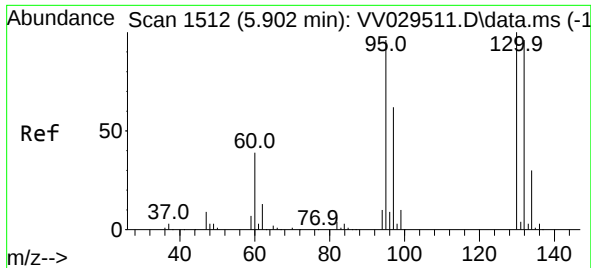
Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Tgt Ion: 78 Resp: 674454



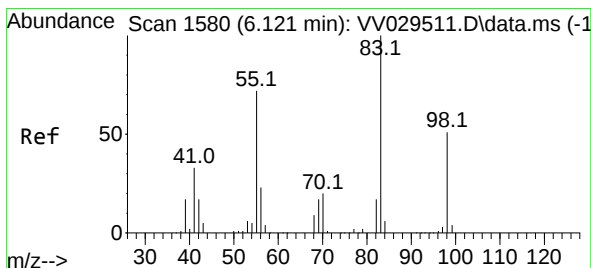
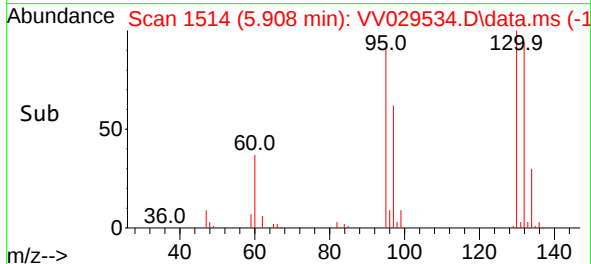
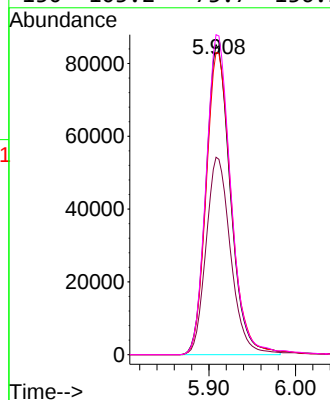
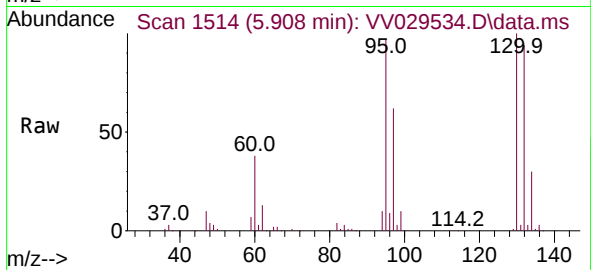


#34
Trichloroethene
Concen: 52.515 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

Tgt Ion: 95 Resp: 167063

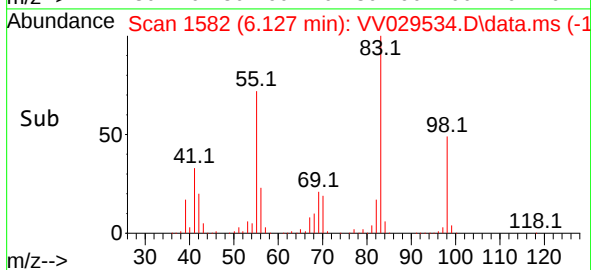
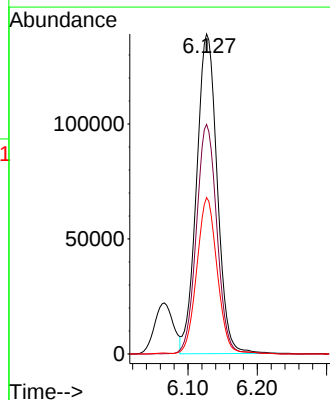
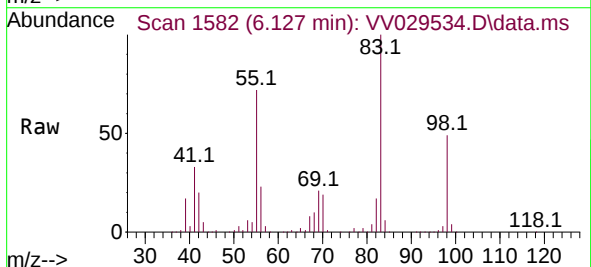
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.0	81.8
132	97.5	69.9	129.9
130	103.2	73.7	136.9

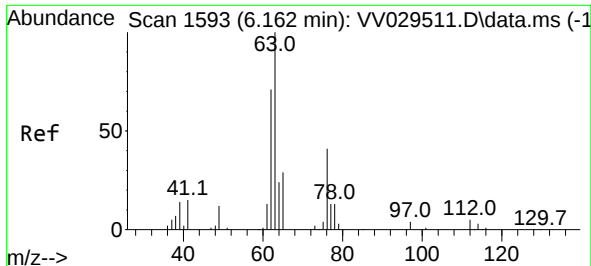


#35
Methylcyclohexane
Concen: 53.330 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.006 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 83 Resp: 288141

Ion	Ratio	Lower	Upper
83	100		
55	71.2	55.5	83.3
98	48.1	39.8	59.8





#37

1,2-Dichloropropane

Concen: 53.475 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

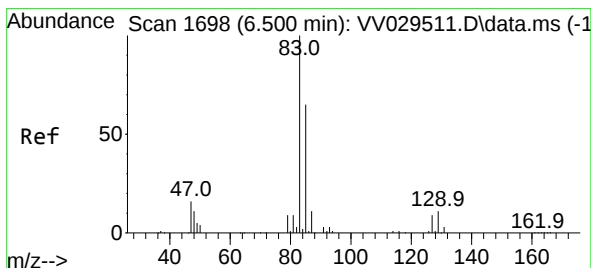
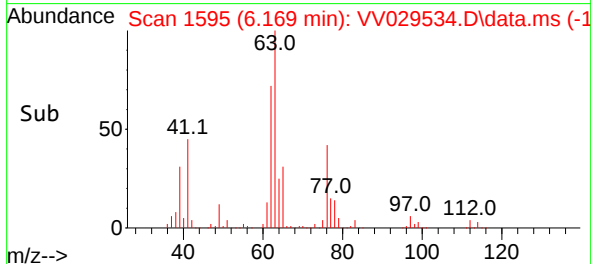
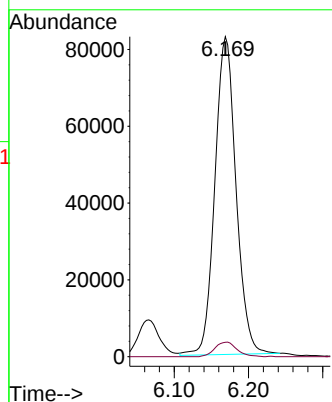
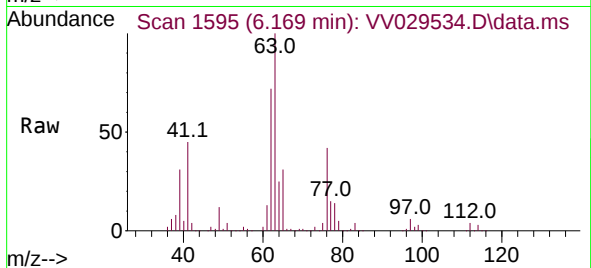
VSTD050380

Tgt Ion: 63 Resp: 163851

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 51.130 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

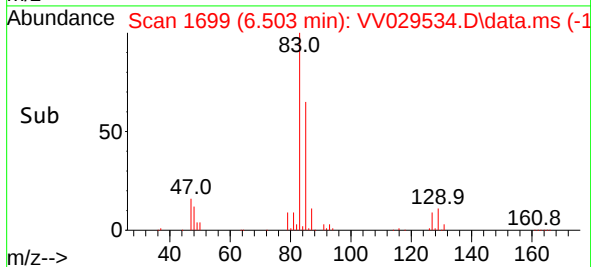
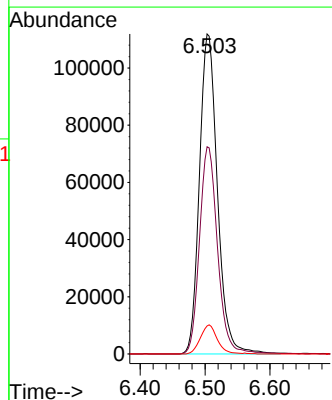
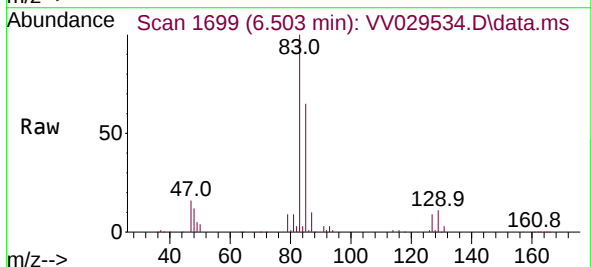
Tgt Ion: 83 Resp: 216273

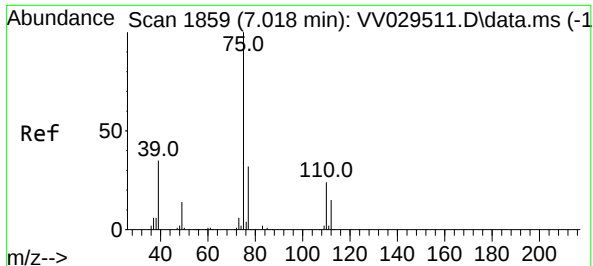
Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

127 8.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 43.666 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

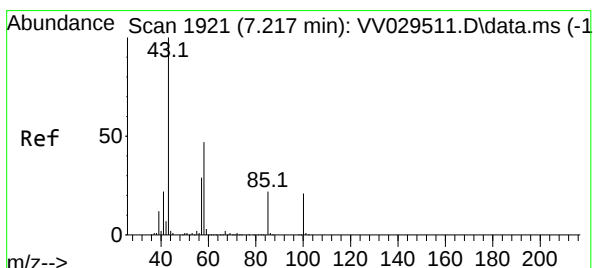
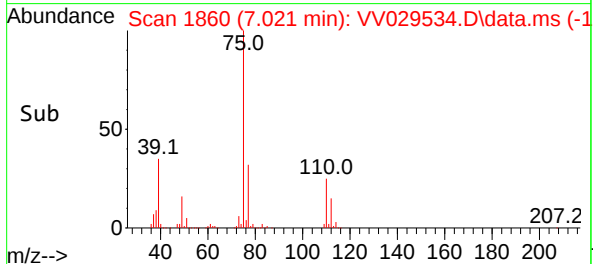
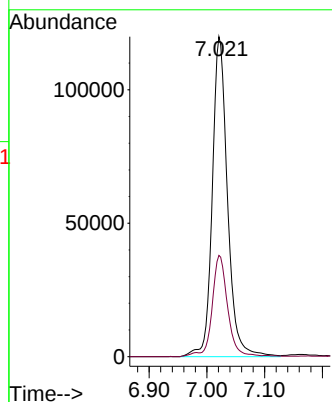
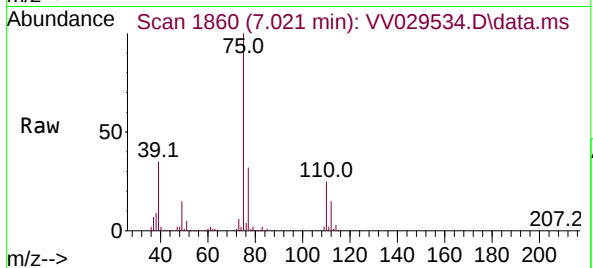
VSTD050380

Tgt Ion: 75 Resp: 220045

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 112.407 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

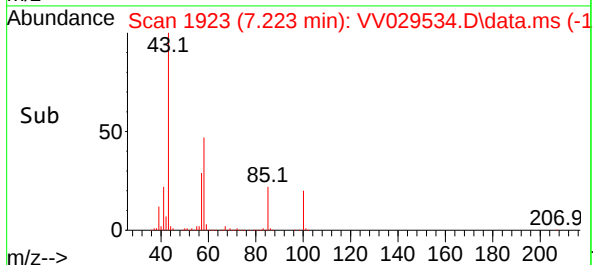
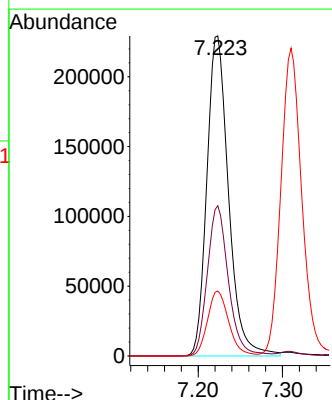
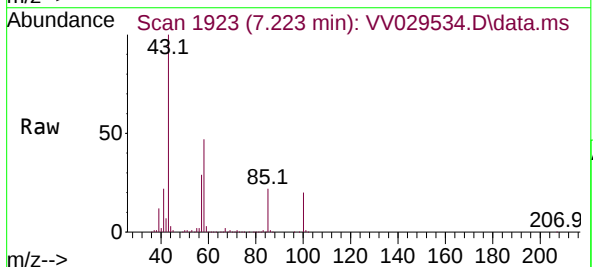
Tgt Ion: 43 Resp: 410658

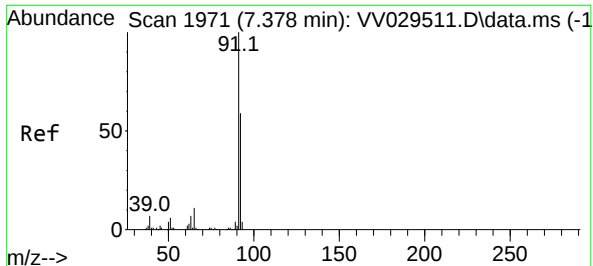
Ion Ratio Lower Upper

43 100

58 45.6 37.5 56.3

100 19.9 16.7 25.1





#42

Toluene

Concen: 53.168 ug/L

RT: 7.381 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

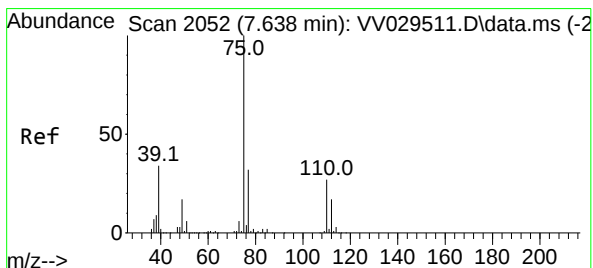
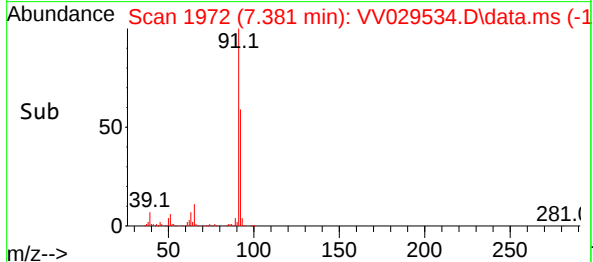
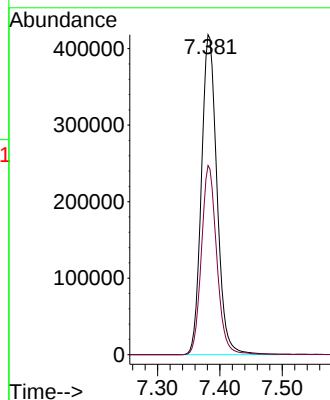
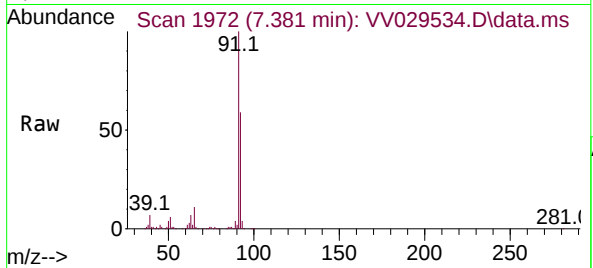
VSTD050380

Tgt Ion: 91 Resp: 726503

Ion Ratio Lower Upper

91 100

92 59.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 45.143 ug/L

RT: 7.644 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VV029534.D

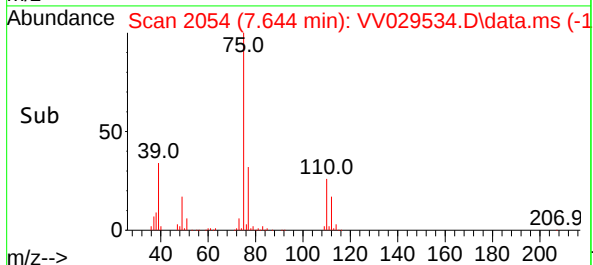
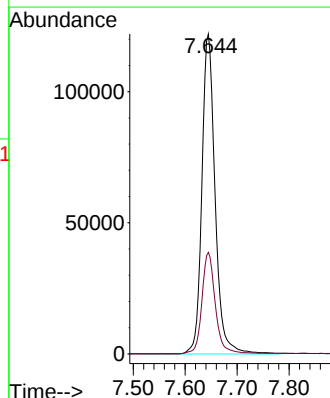
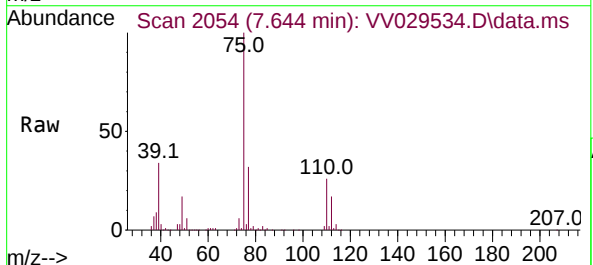
Acq: 09 Dec 2022 20:11

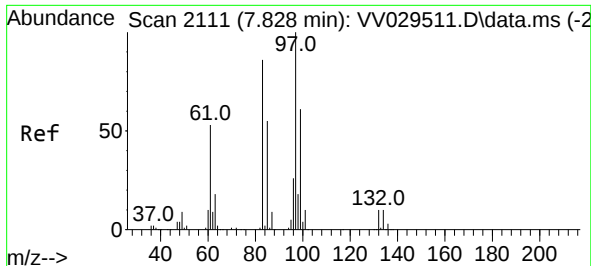
Tgt Ion: 75 Resp: 215433

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5

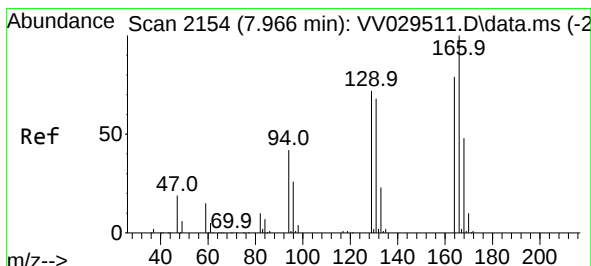
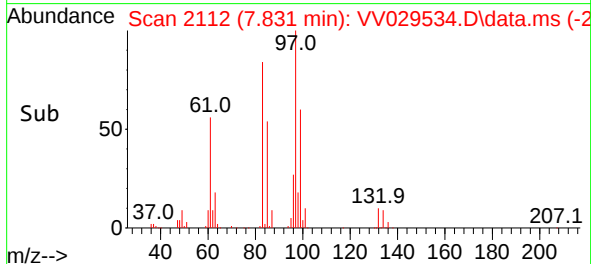
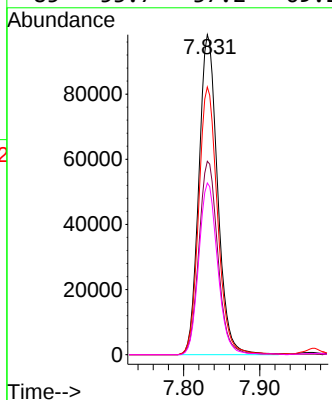
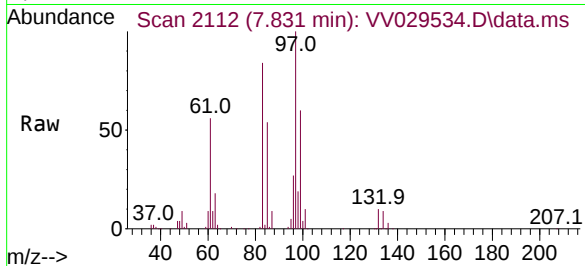




#45
1,1,2-Trichloroethane
Concen: 53.172 ug/L
RT: 7.831 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

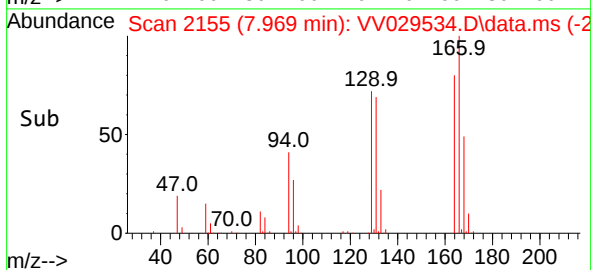
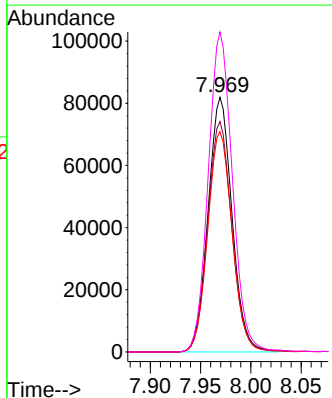
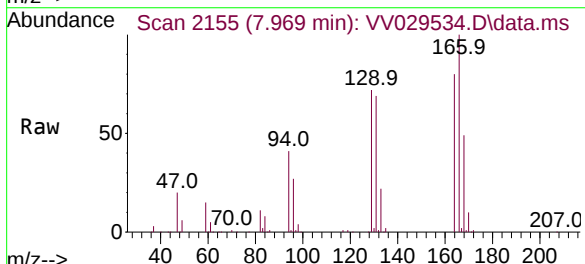
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

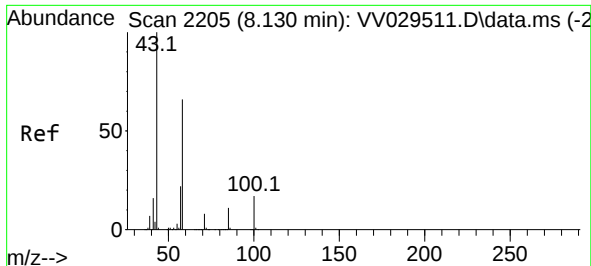
Tgt Ion:	97	Resp:	168319
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.8	81.3
83	83.7	58.6	108.8
85	53.7	37.2	69.2



#46
Tetrachloroethene
Concen: 53.218 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion:	164	Resp:	136113
Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.3	121.3
131	86.4	63.1	117.1
166	125.6	90.8	168.6



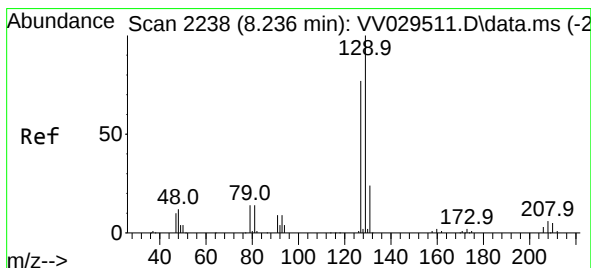
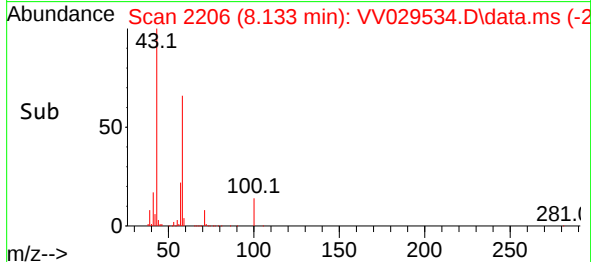
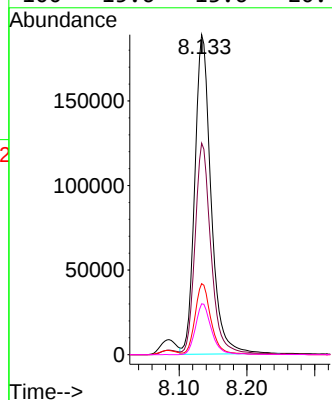
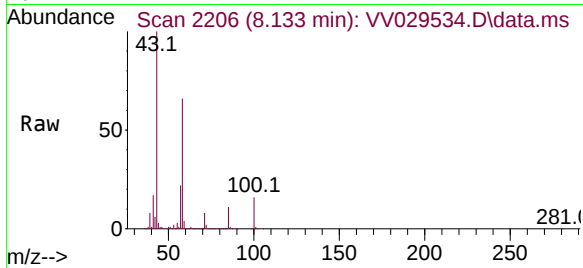


#48
2-Hexanone
Concen: 112.842 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

Tgt Ion: 43 Resp: 314956

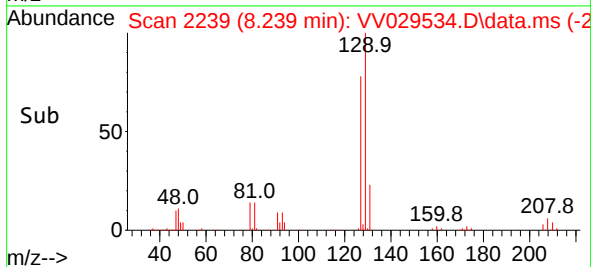
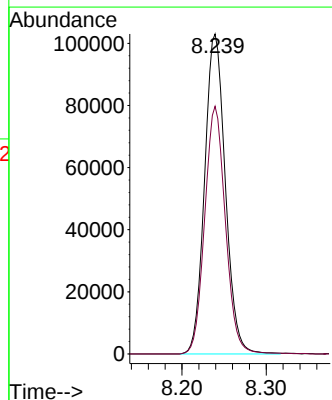
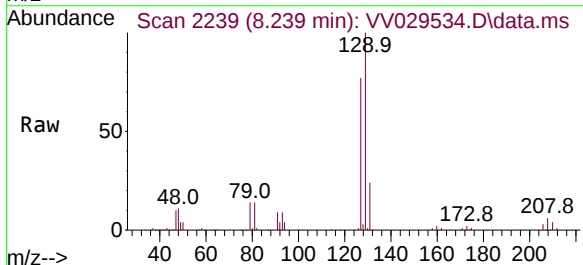
Ion	Ratio	Lower	Upper
43	100		
58	64.1	54.1	81.1
57	21.9	17.4	26.0
100	15.6	13.6	20.4

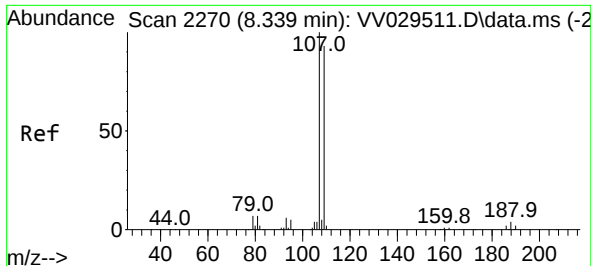


#49
Dibromochloromethane
Concen: 50.477 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 129 Resp: 176417

Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.2	102.4





#50

1,2-Dibromoethane

Concen: 50.460 ug/L

RT: 8.345 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD050380

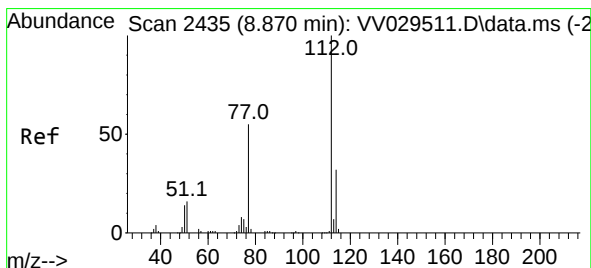
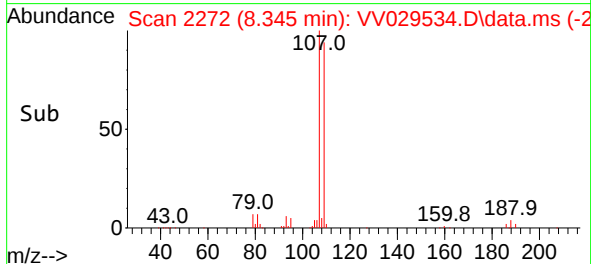
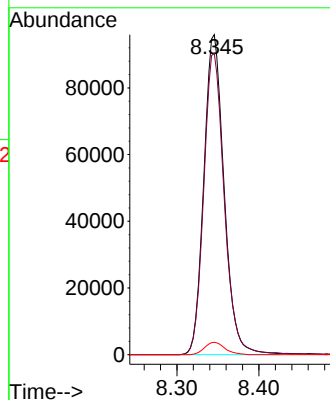
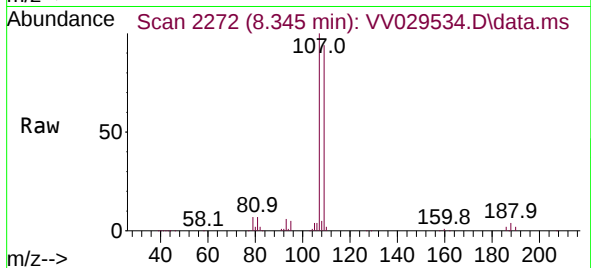
Tgt Ion:107 Resp: 164566

Ion Ratio Lower Upper

107 100

109 94.2 66.0 122.6

188 3.9 3.2 4.8



#51

Chlorobenzene

Concen: 53.139 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

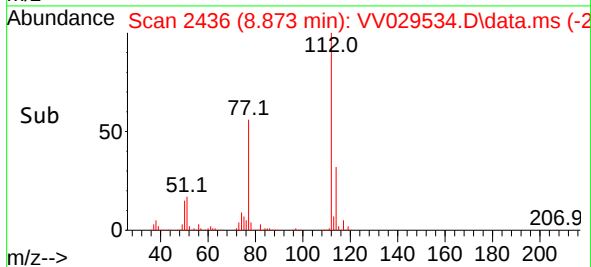
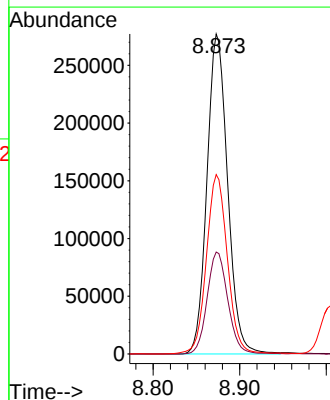
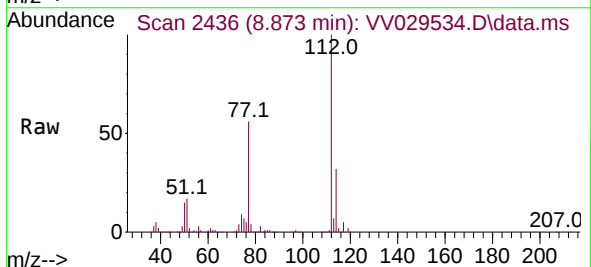
Tgt Ion:112 Resp: 459786

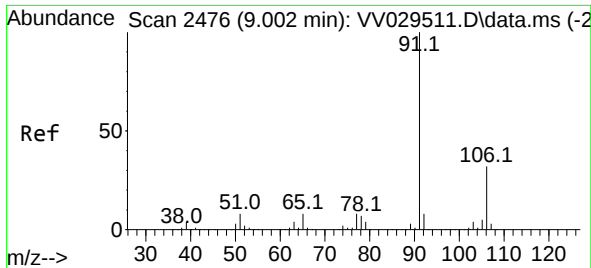
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 56.0 45.0 67.4

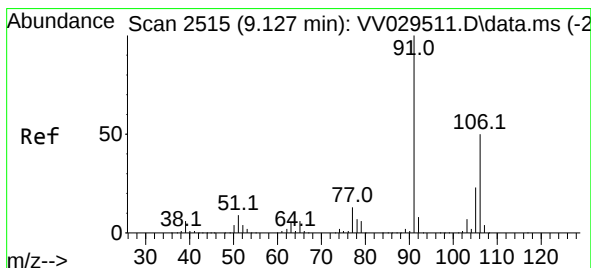
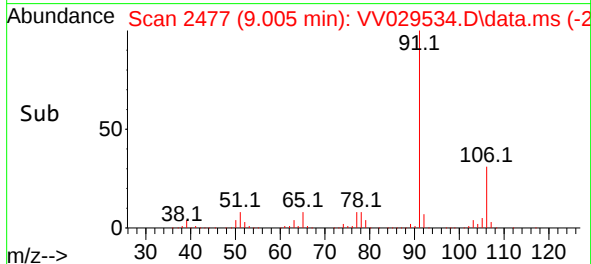
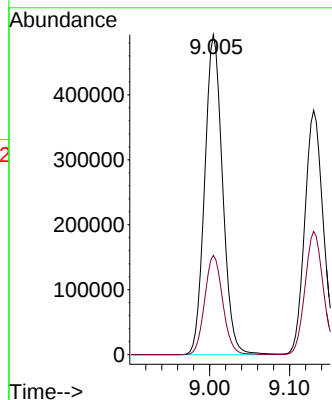
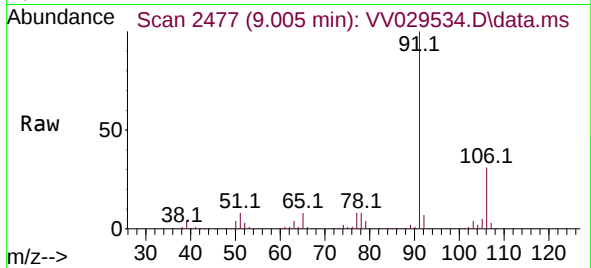




#52
Ethylbenzene
Concen: 53.477 ug/L
RT: 9.005 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

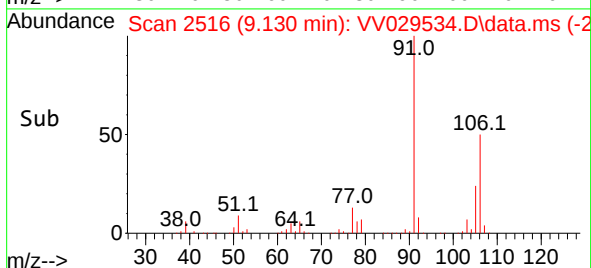
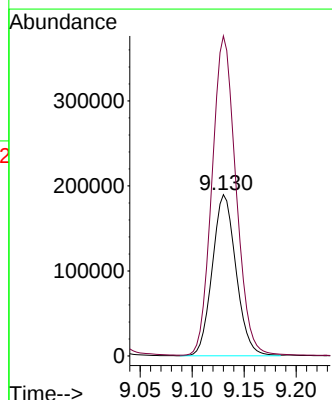
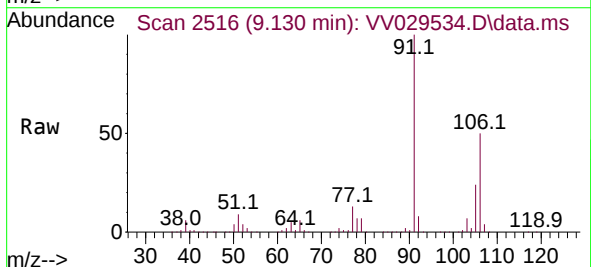
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

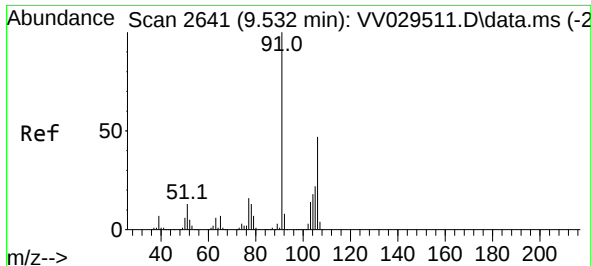
Tgt Ion: 91 Resp: 768251
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.6



#53
m,p-Xylene
Concen: 52.923 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 106 Resp: 300910
Ion Ratio Lower Upper
106 100
91 198.3 139.5 259.1

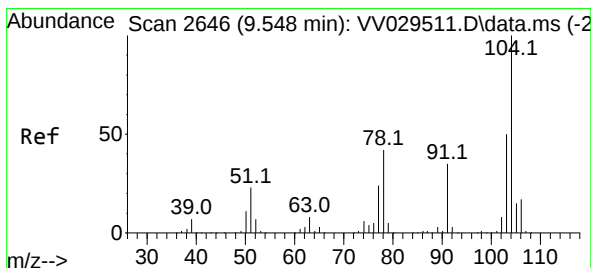
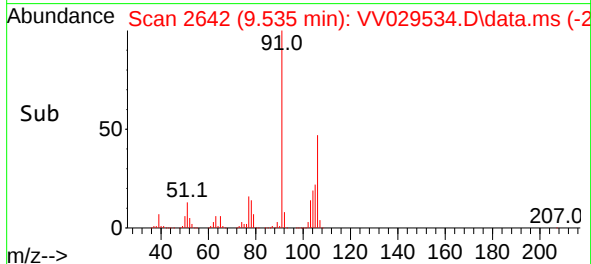
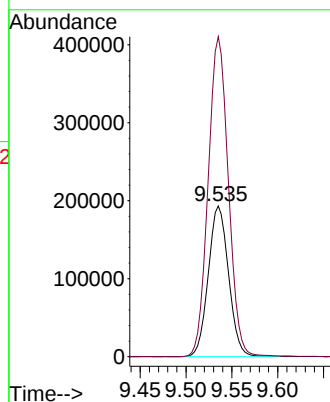
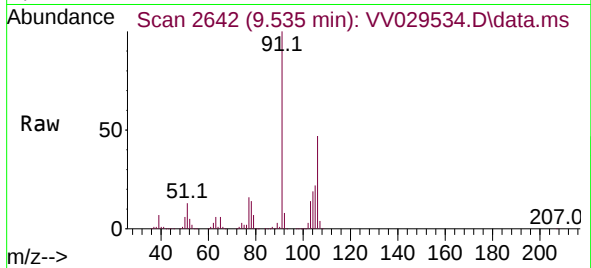




#54
o-Xylene
Concen: 52.885 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

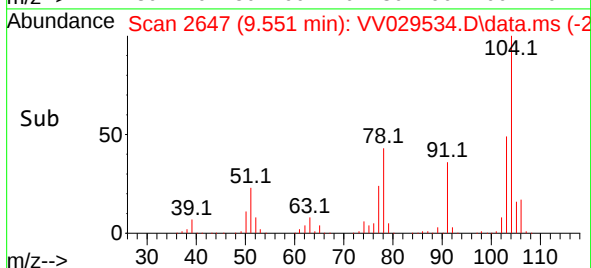
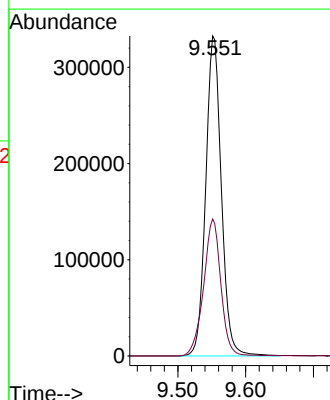
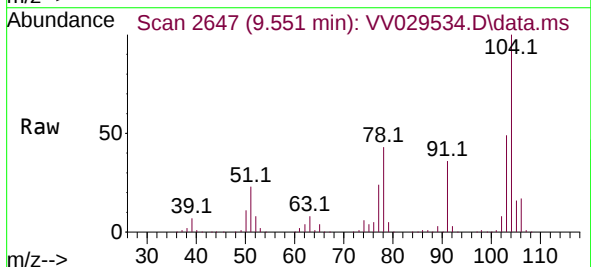
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

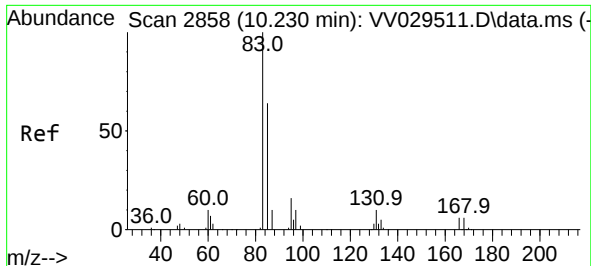
Tgt Ion:106 Resp: 297436
Ion Ratio Lower Upper
106 100
91 212.2 148.0 274.8



#55
Styrene
Concen: 54.509 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion:104 Resp: 532763
Ion Ratio Lower Upper
104 100
78 42.8 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 51.306 ug/L

RT: 10.233 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD050380

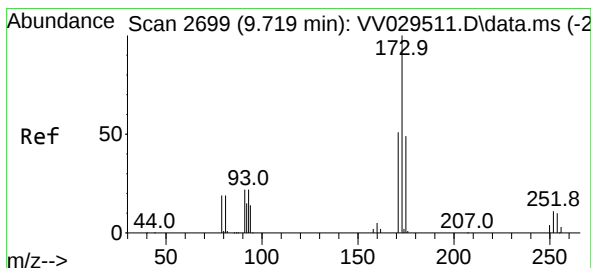
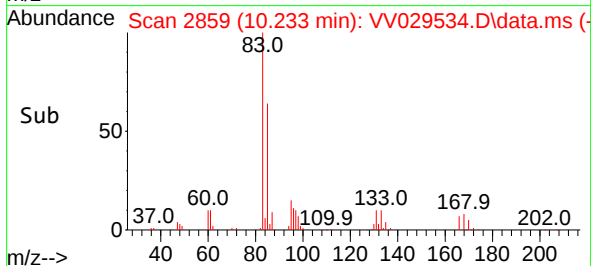
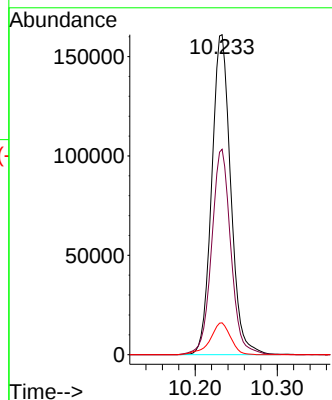
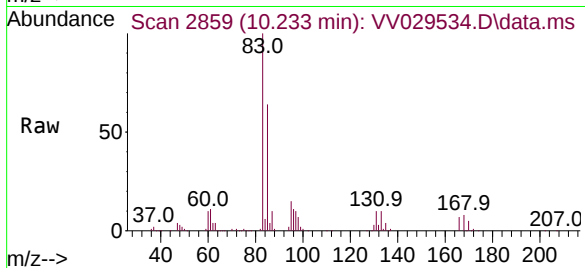
Tgt Ion: 83 Resp: 259802

Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9

131 9.9 7.9 11.9



#59

Bromoform

Concen: 48.051 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

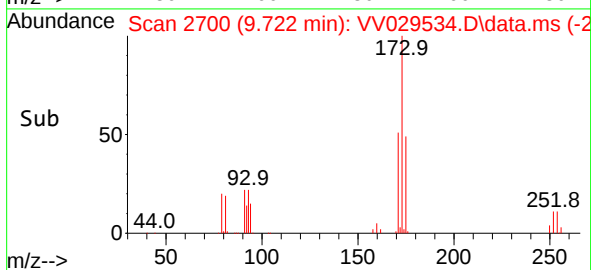
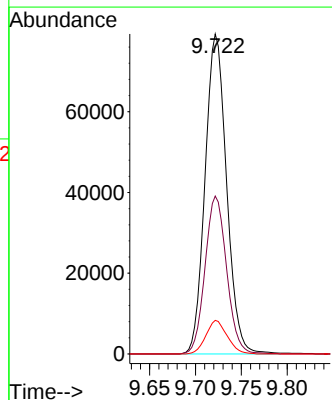
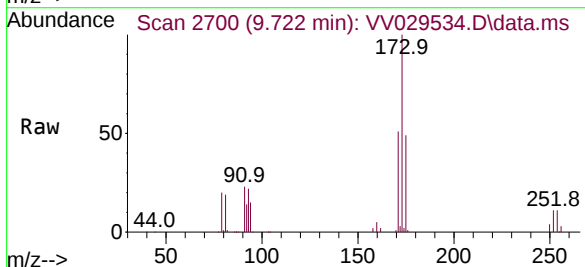
Tgt Ion: 173 Resp: 129552

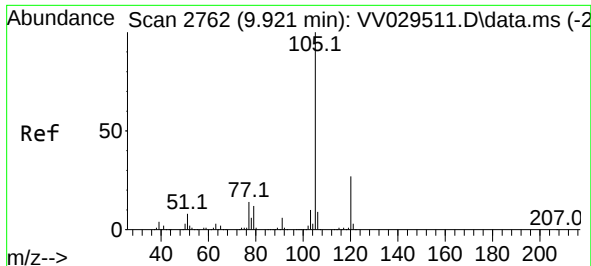
Ion Ratio Lower Upper

173 100

175 49.5 38.4 57.6

254 10.4 7.8 11.8

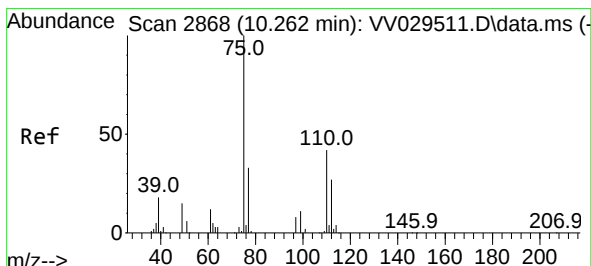
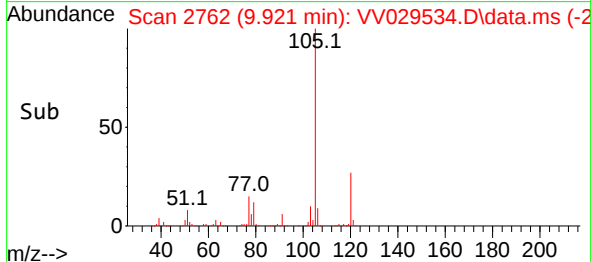
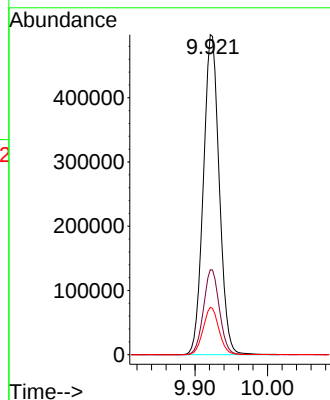
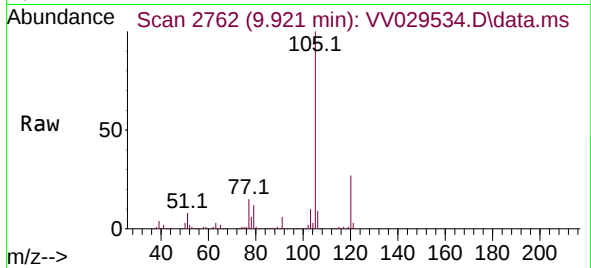




#60
Isopropylbenzene
Concen: 52.888 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

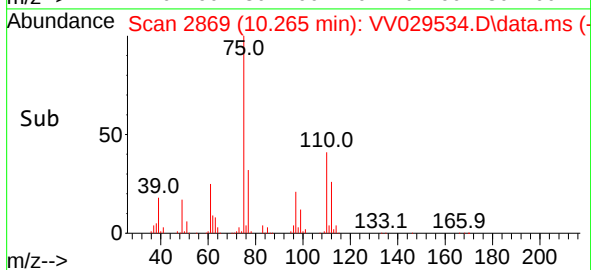
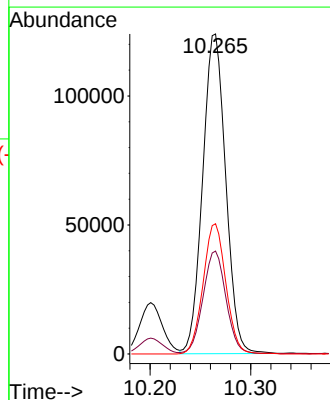
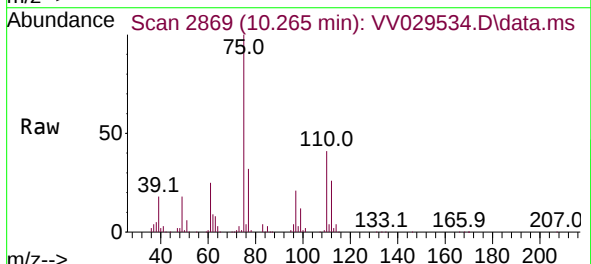
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

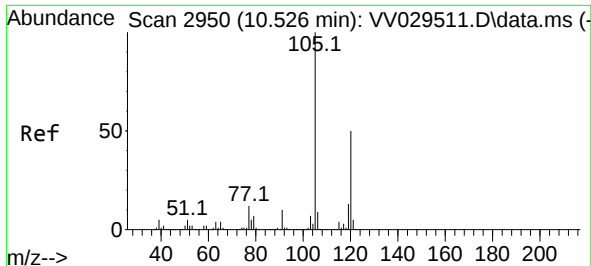
Tgt Ion:105 Resp: 757856
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 52.416 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 75 Resp: 197467
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
110 40.2 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 52.476 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

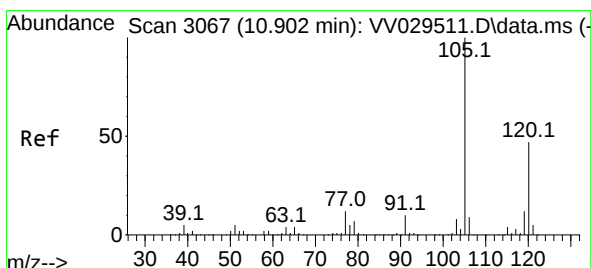
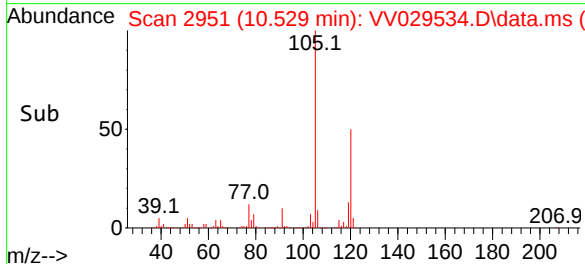
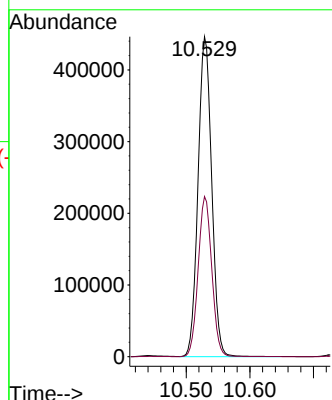
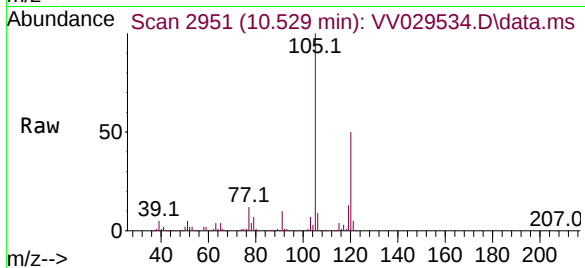
VSTD050380

Tgt Ion:105 Resp: 664862

Ion Ratio Lower Upper

105 100

120 49.9 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 52.502 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029534.D

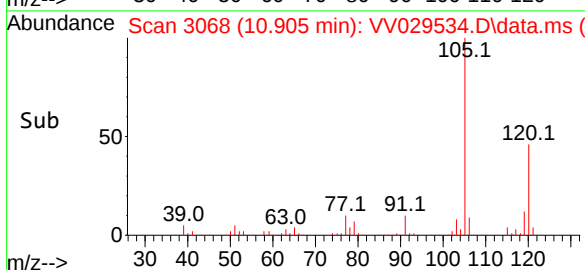
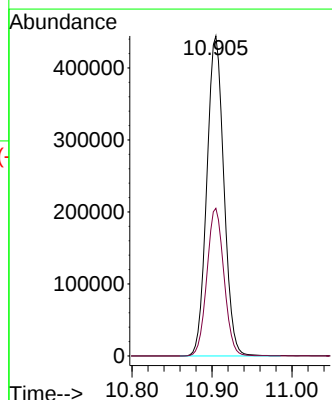
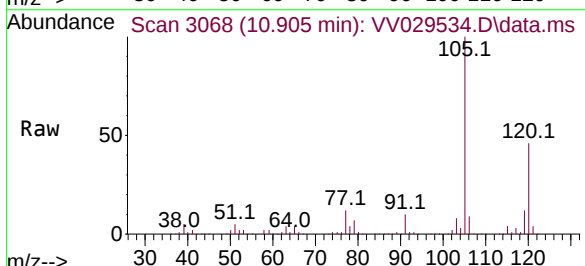
Acq: 09 Dec 2022 20:11

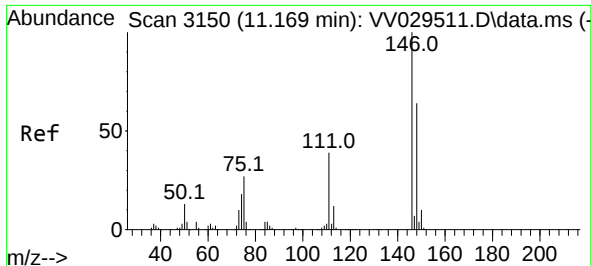
Tgt Ion:105 Resp: 659385

Ion Ratio Lower Upper

105 100

120 46.2 36.7 55.1

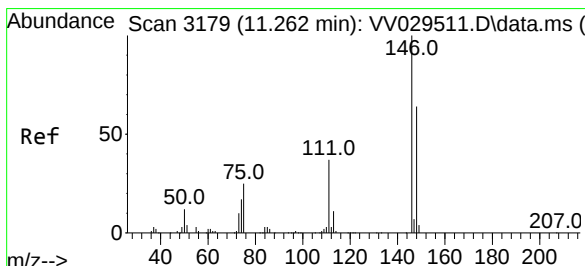
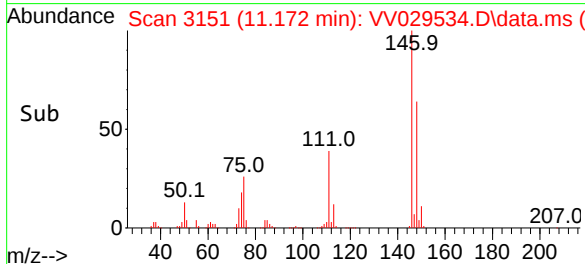
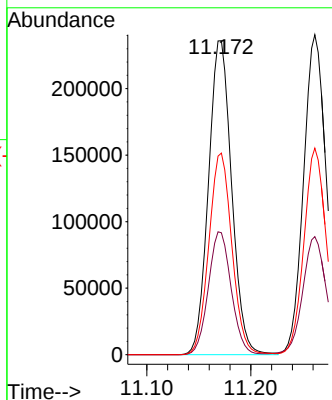
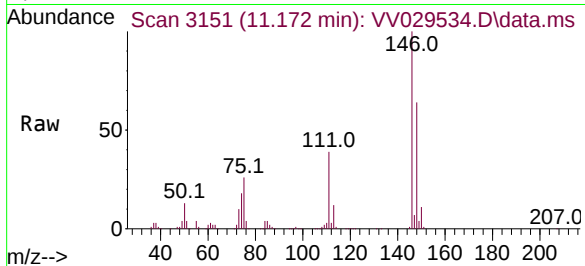




#64
1,3-Dichlorobenzene
Concen: 52.131 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

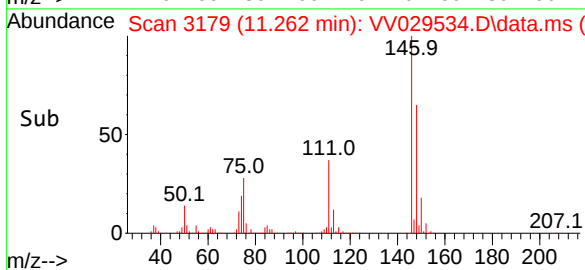
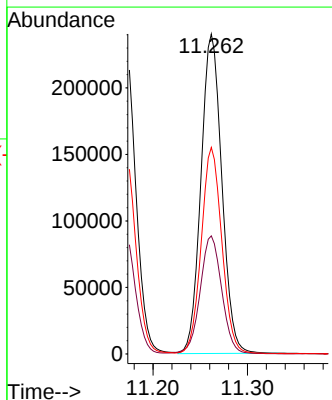
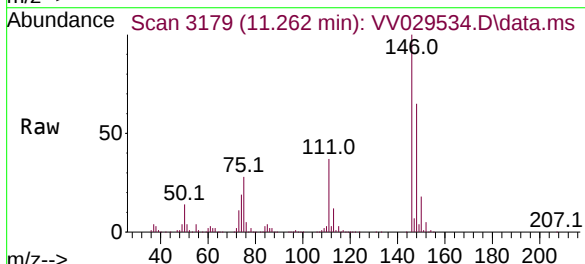
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

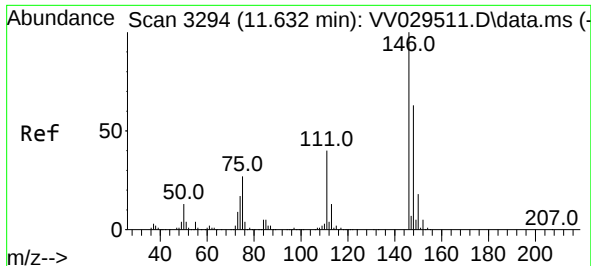
Tgt Ion:146 Resp: 365250
Ion Ratio Lower Upper
146 100
111 38.9 27.4 51.0
148 64.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 51.645 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion:146 Resp: 367743
Ion Ratio Lower Upper
146 100
111 36.9 26.2 48.8
148 64.5 44.7 83.1

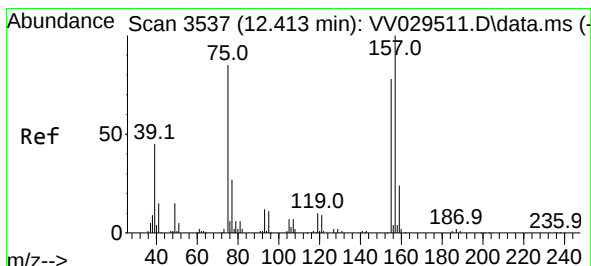
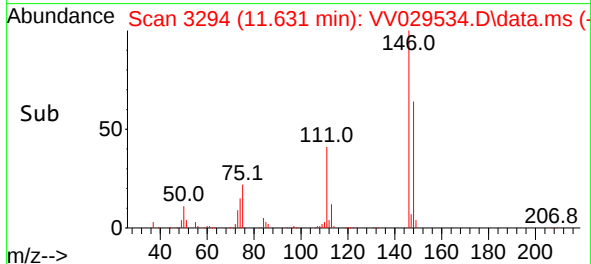
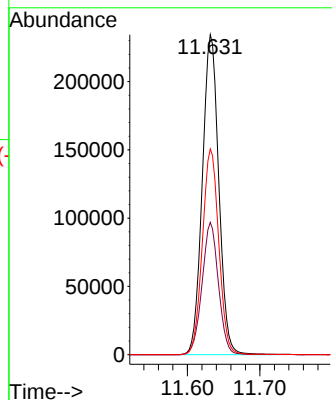
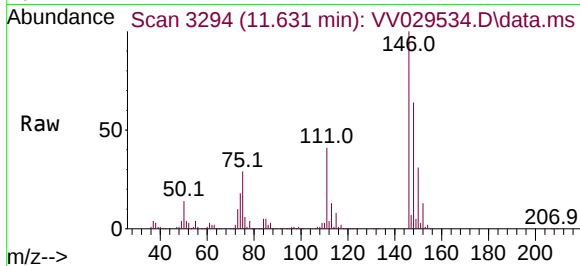




#67
1,2-Dichlorobenzene
Concen: 51.570 ug/L
RT: 11.631 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

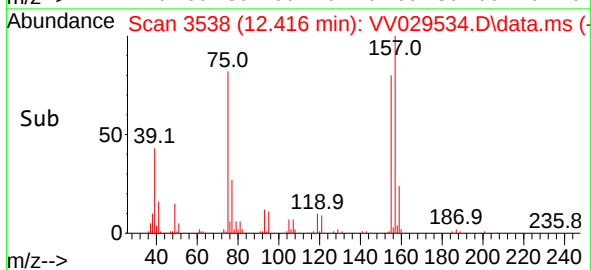
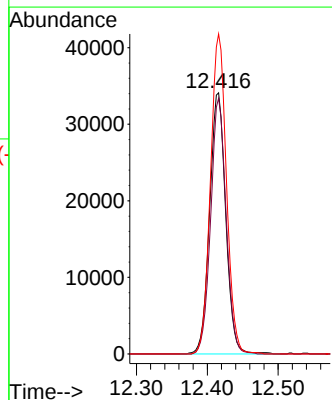
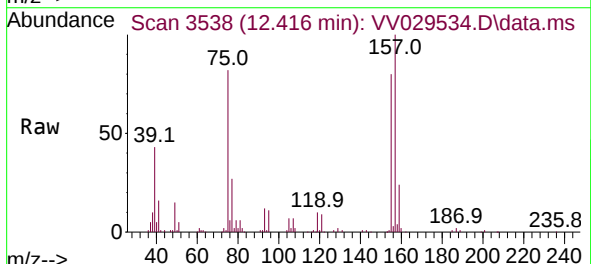
Instrument :
MSVOA_V
ClientSampleId :
VSTD050380

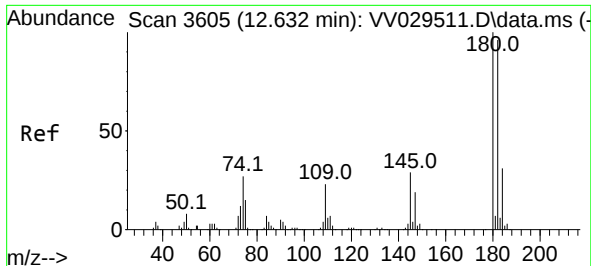
Tgt Ion:146 Resp: 369481
Ion Ratio Lower Upper
146 100
111 41.3 32.0 48.0
148 64.3 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 45.973 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV029534.D
Acq: 09 Dec 2022 20:11

Tgt Ion: 75 Resp: 53830
Ion Ratio Lower Upper
75 100
155 97.9 76.2 114.2
157 122.5 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 50.509 ug/L

RT: 12.631 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD050380

Tgt Ion:180 Resp: 281627

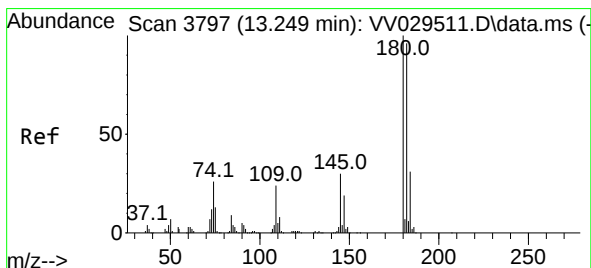
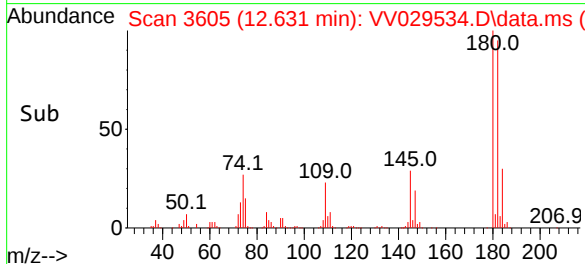
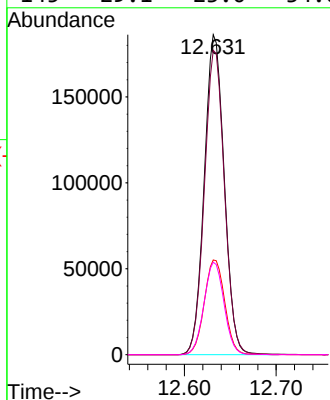
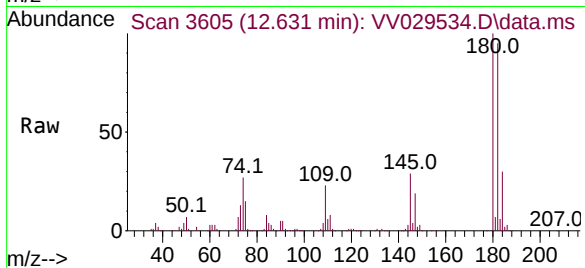
Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

184 30.4 24.6 36.8

145 29.1 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 51.868 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

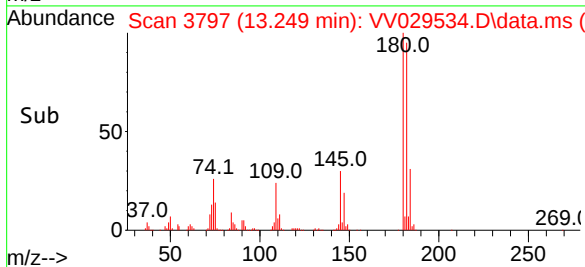
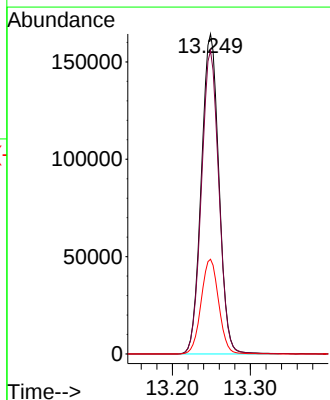
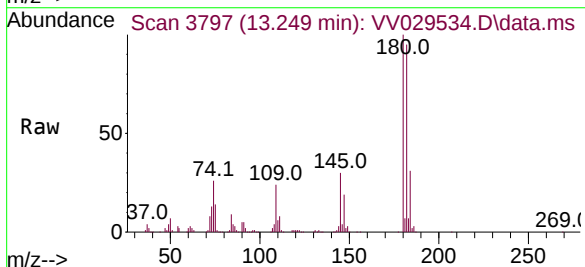
Tgt Ion:180 Resp: 257172

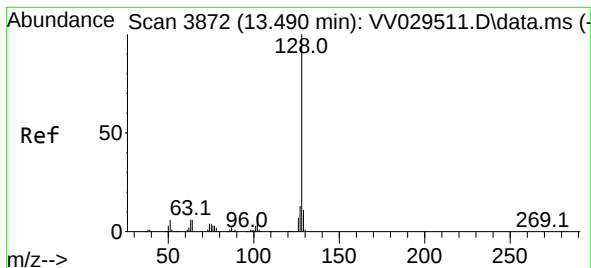
Ion Ratio Lower Upper

180 100

182 94.4 76.3 114.5

145 29.5 23.7 35.5





#71

Naphthalene

Concen: 52.974 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD050380

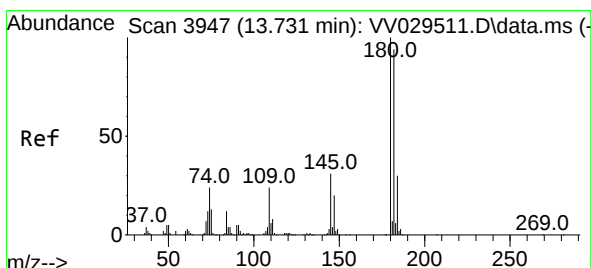
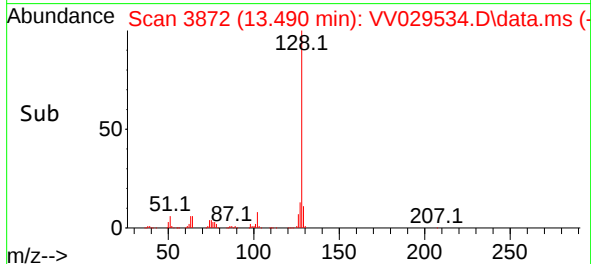
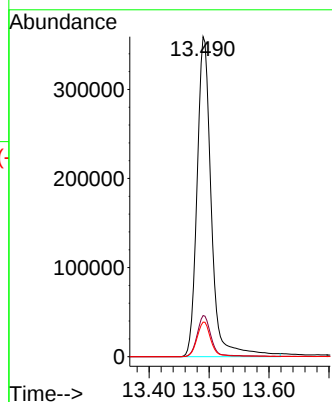
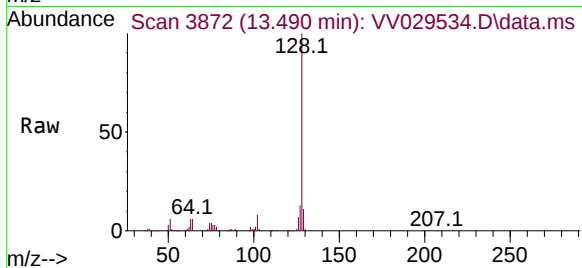
Tgt Ion:128 Resp: 595769

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.5 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 52.603 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV029534.D

Acq: 09 Dec 2022 20:11

Tgt Ion:180 Resp: 255462

Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 31.6 25.0 37.6

