

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029562.D
 Acq On : 10 Dec 2022 07:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050381

Quant Time: Dec 10 07:43:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 00:41:04 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		5.609	114	487318	50.000	ug/L	0.00
28) Chlorobenzene-d5		8.844	117	455360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.236	152	244961	50.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.304	65	162784	54.550	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.100%		
7) Chloroethane-d5		1.564	69	131548	57.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 115.620%		
11) 1,1-Dichloroethene-d2		2.108	63	267823	57.541	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 115.080%		
21) 2-Butanone-d5		3.873	46	201193	110.521	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 110.520%		
24) Chloroform-d		4.339	84	286892	51.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.180%		
26) 1,2-Dichloroethane-d4		5.024	65	165467	51.592	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.180%		
32) Benzene-d6		5.043	84	612861	50.935	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.880%		
36) 1,2-Dichloropropane-d6		6.063	67	183199	49.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 99.700%		
41) Toluene-d8		7.307	98	564284	49.774	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.540%		
43) trans-1,3-Dichloroprop...		7.612	79	75997	40.950	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 81.900%		
47) 2-Hexanone-d5		8.082	63	170948	108.924	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 108.920%		
56) 1,1,2,2-Tetrachloroeth...		10.207	84	248935	47.399	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 94.800%		
66) 1,2-Dichlorobenzene-d4		11.612	152	220053	47.190	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.380%		
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.127	85	186772	48.657	ug/L	100
3) Chloromethane		1.240	50	199137	45.502	ug/L	100
5) Vinyl chloride		1.310	62	192270	52.509	ug/L	98
6) Bromomethane		1.519	94	88994	60.402	ug/L	100
8) Chloroethane		1.580	64	114130	55.976	ug/L	100
9) Trichlorofluoromethane		1.751	101	246743	53.829	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...		2.114	101	137751	54.082	ug/L	99
12) 1,1-Dichloroethene		2.117	96	142151	54.572	ug/L	97
13) Acetone		2.162	43	121520	102.471	ug/L	100
14) Carbon disulfide		2.291	76	423266	48.824	ug/L	100
15) Methyl Acetate		2.426	43	151050	55.906	ug/L	96
16) Methylene chloride		2.503	84	170219	52.557	ug/L	96
17) trans-1,2-Dichloroethene		2.757	96	158254	52.727	ug/L	98
18) Methyl tert-butyl Ether		2.764	73	491142	53.410	ug/L	99
19) 1,1-Dichloroethane		3.185	63	277283	53.928	ug/L	99
20) cis-1,2-Dichloroethene		3.902	96	172653	52.313	ug/L	91
22) 2-Butanone		3.957	43	206865	109.628	ug/L	97
23) Bromochloromethane		4.239	128	90330	53.152	ug/L	95
25) Chloroform		4.365	83	286170	53.685	ug/L	100

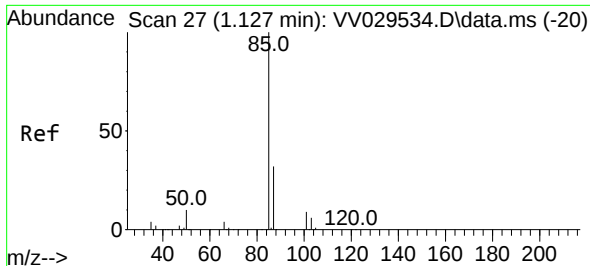
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 00:41:04 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.120	62	199094	52.873	ug/L	99
29) Cyclohexane	4.670	56	251905	51.068	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	252150	50.825	ug/L	98
31) Carbon tetrachloride	4.821	117	211839	48.897	ug/L	99
33) Benzene	5.092	78	668463	52.080	ug/L	100
34) Trichloroethene	5.908	95	164427	51.122	ug/L	98
35) Methylcyclohexane	6.124	83	273846	50.130	ug/L	98
37) 1,2-Dichloropropane	6.165	63	166082	53.611	ug/L	99
38) Bromodichloromethane	6.500	83	212586	49.709	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	211761	41.563	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	420492	113.842	ug/L	97
42) Toluene	7.381	91	710503	51.430	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	205013	42.490	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	166252	51.945	ug/L	99
46) Tetrachloroethene	7.966	164	130781	50.575	ug/L	98
48) 2-Hexanone	8.133	43	325358	115.296	ug/L	97
49) Dibromochloromethane	8.236	129	173647	49.142	ug/L	99
50) 1,2-Dibromoethane	8.342	107	162888	49.401	ug/L	99
51) Chlorobenzene	8.873	112	452808	51.761	ug/L	100
52) Ethylbenzene	9.005	91	753771	51.897	ug/L	99
53) m,p-Xylene	9.130	106	293539	51.063	ug/L	99
54) o-Xylene	9.535	106	293320	51.584	ug/L	100
55) Styrene	9.551	104	521760	52.800	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	259675	50.721	ug/L	97
59) Bromoform	9.722	173	130526	48.236	ug/L	99
60) Isopropylbenzene	9.921	105	766666	53.307	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	194475	51.433	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	647225	50.897	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	644172	51.104	ug/L	100
64) 1,3-Dichlorobenzene	11.168	146	353875	50.323	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	359259	50.269	ug/L	100
67) 1,2-Dichlorobenzene	11.631	146	361226	50.234	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	53215	45.282	ug/L	98
69) 1,3,5-Trichlorobenzene	12.631	180	268643	48.004	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	243370	48.905	ug/L	100
71) Naphthalene	13.490	128	557167	49.360	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	246753	50.624	ug/L	100

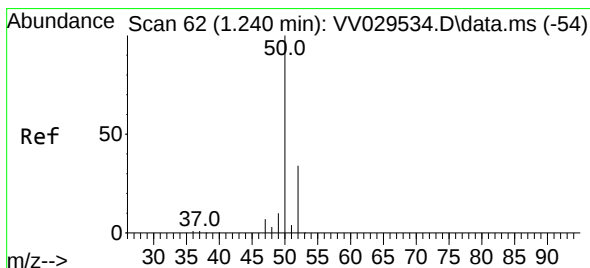
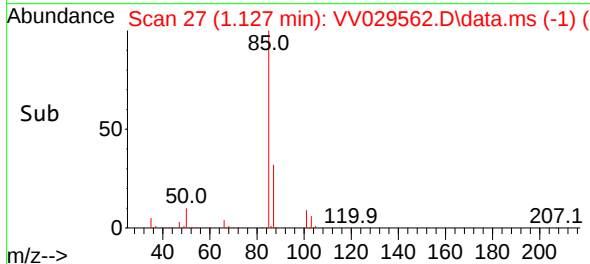
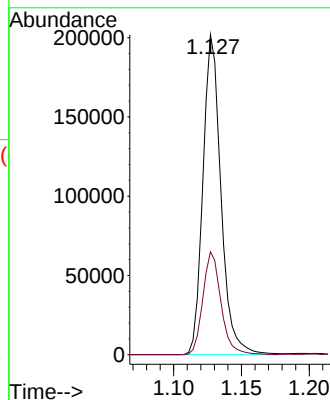
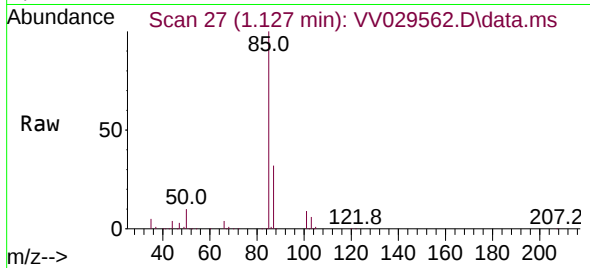
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 48.657 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

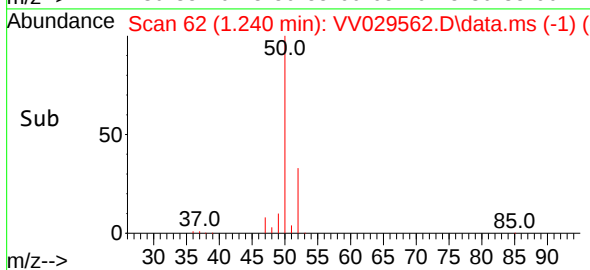
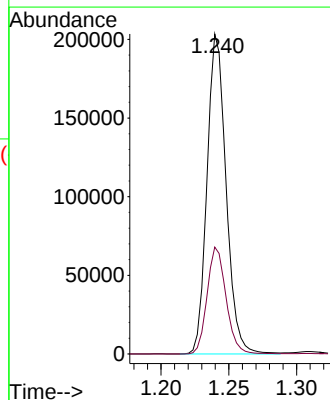
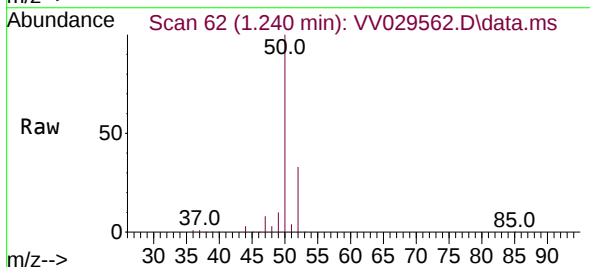
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 MSVOA_V
 ClientSampleId :
 VSTD050381

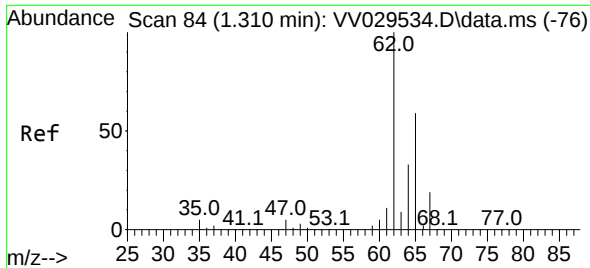
Tgt Ion: 85 Resp: 186772
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 45.502 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

Tgt Ion: 50 Resp: 199137
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.3 43.3

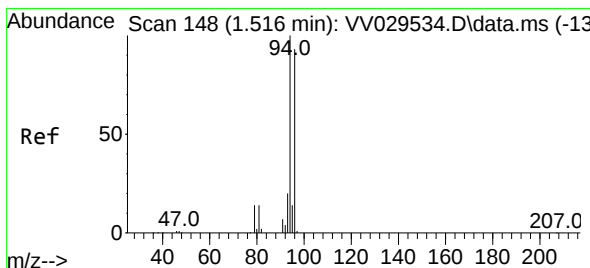
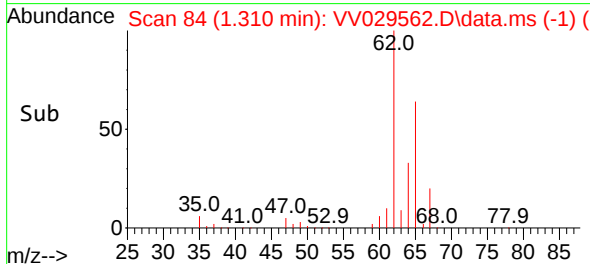
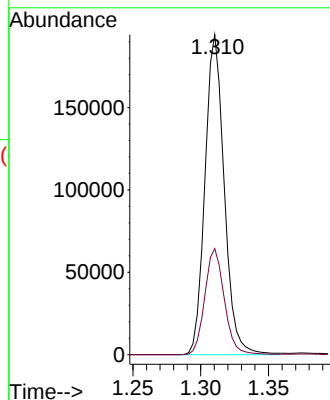
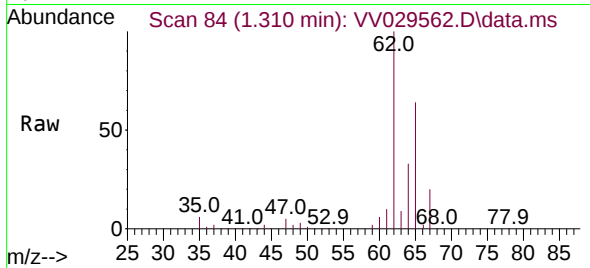




#5
 Vinyl chloride
 Concen: 52.509 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

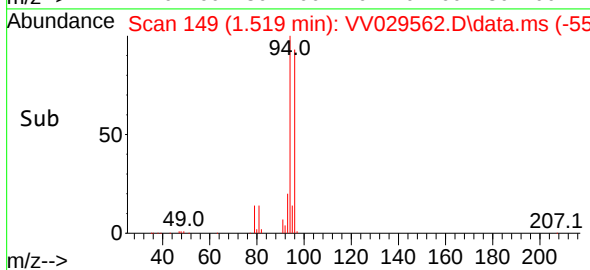
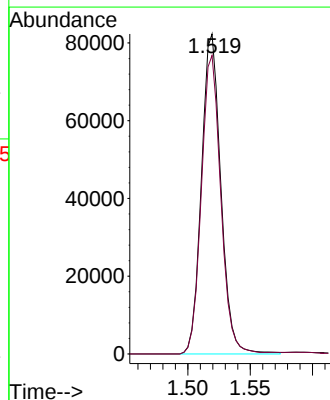
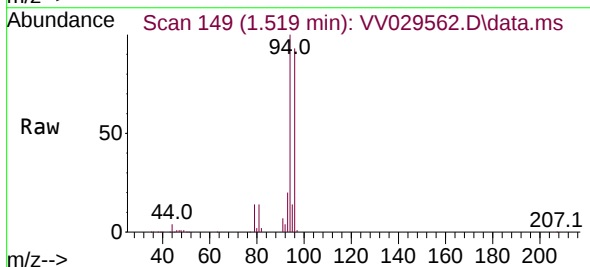
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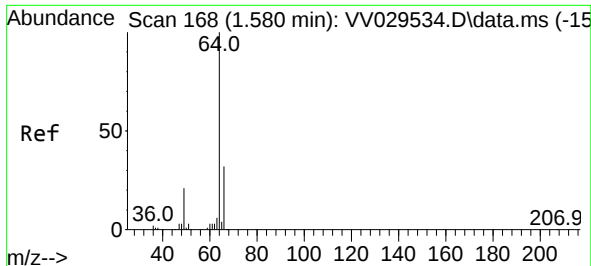
Tgt Ion: 62 Resp: 192270
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.5 41.9



#6
 Bromomethane
 Concen: 60.402 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

Tgt Ion: 94 Resp: 88994
 Ion Ratio Lower Upper
 94 100
 96 93.3 65.1 120.9





#8

Chloroethane

Concen: 55.976 ug/L

RT: 1.580 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

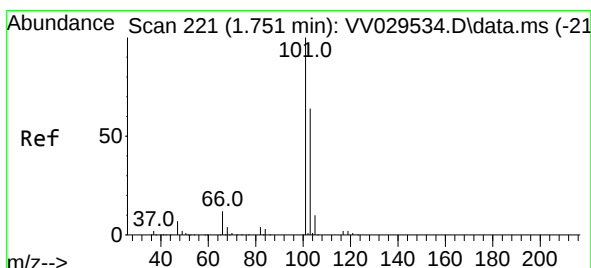
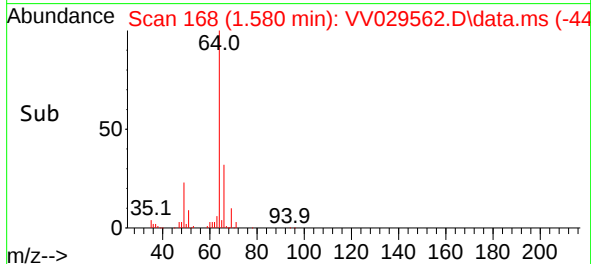
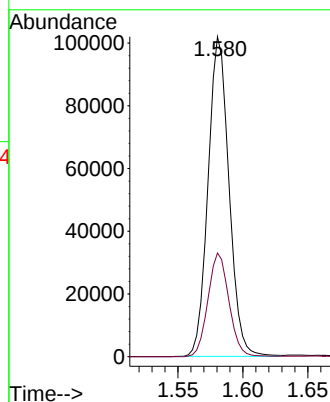
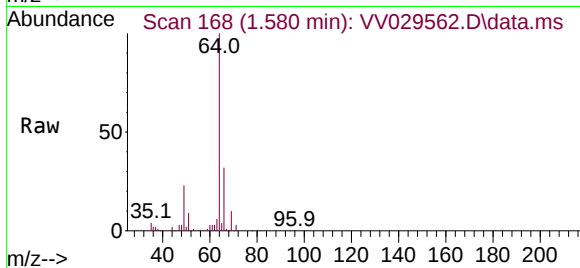
VSTD050381

Tgt Ion: 64 Resp: 114130

Ion Ratio Lower Upper

64 100

66 32.4 22.5 41.9



#9

Trichlorofluoromethane

Concen: 53.829 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.000 min

Lab File: VV029562.D

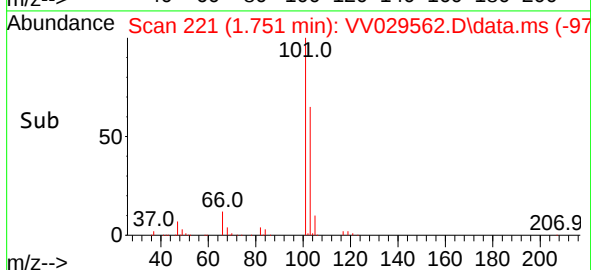
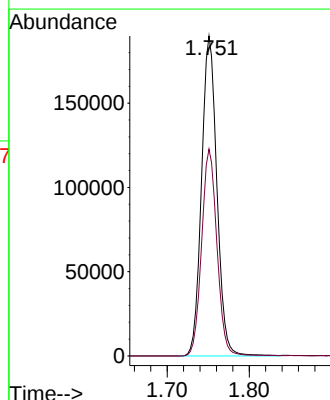
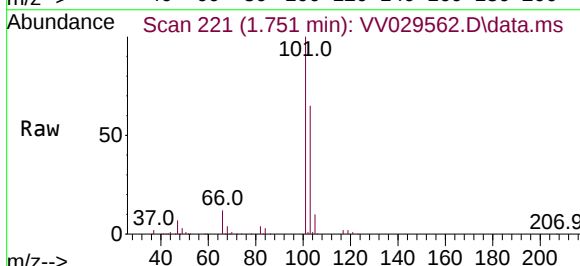
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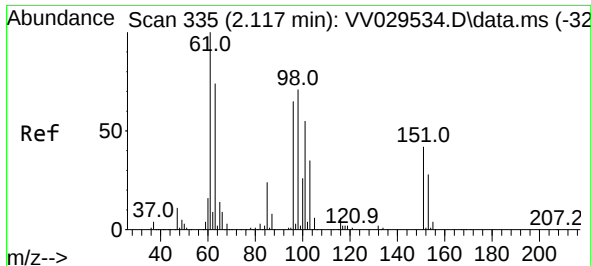
Tgt Ion:101 Resp: 246743

Ion Ratio Lower Upper

101 100

103 64.4 51.8 77.8

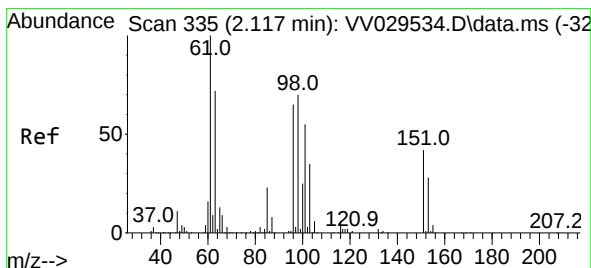
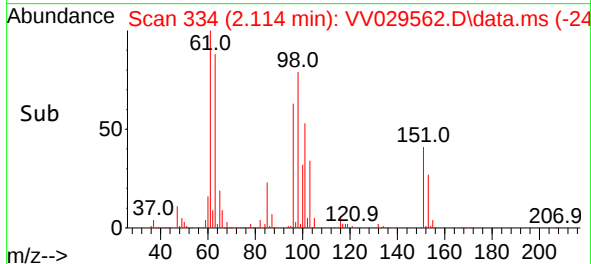
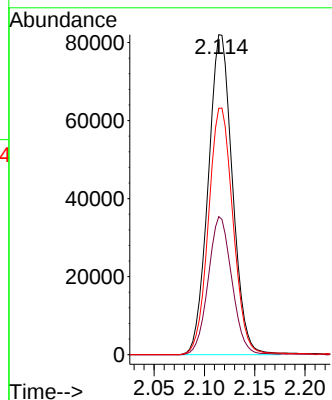
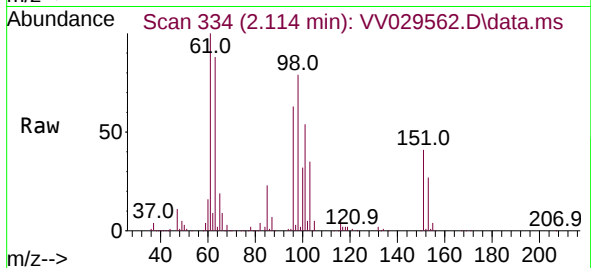




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 54.082 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

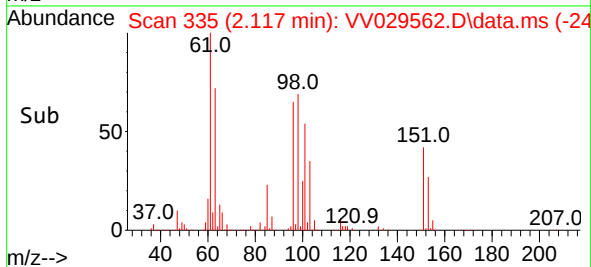
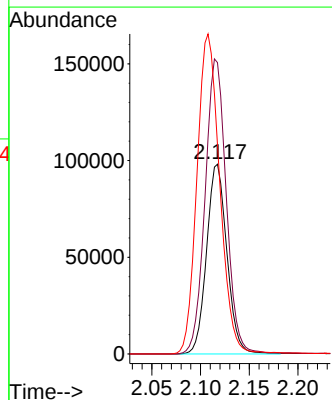
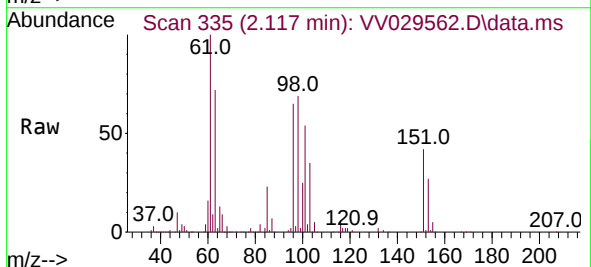
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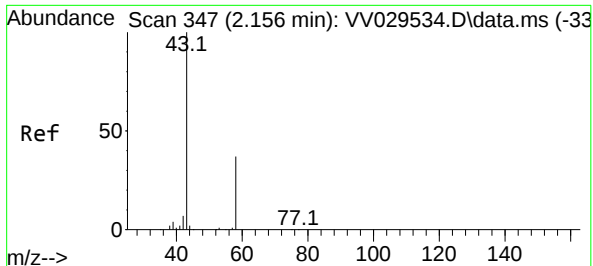
Tgt Ion:101 Resp: 137751
Ion Ratio Lower Upper
101 100
85 42.1 33.6 50.4
151 78.2 63.5 95.3



#12
1,1-Dichloroethene
Concen: 54.572 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 96 Resp: 142151
Ion Ratio Lower Upper
96 100
61 153.6 103.3 191.9
63 110.2 77.3 143.7





#13

Acetone

Concen: 102.471 ug/L

RT: 2.162 min Scan# 34

Delta R.T. 0.006 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

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MSVOA_V

ClientSampleId :

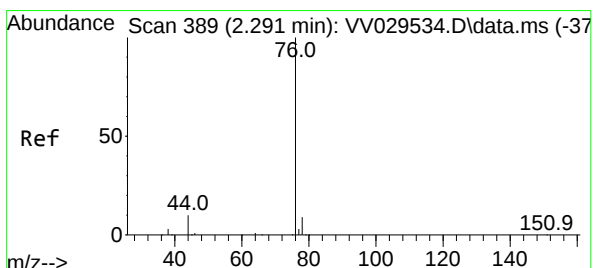
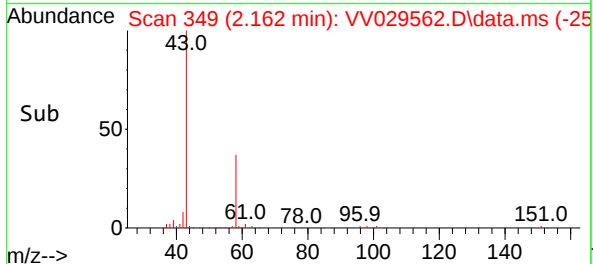
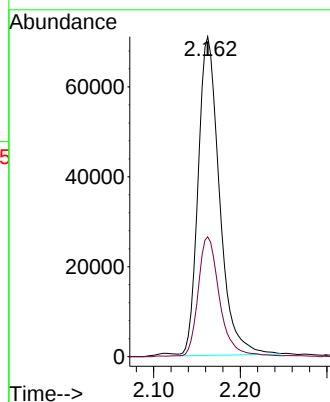
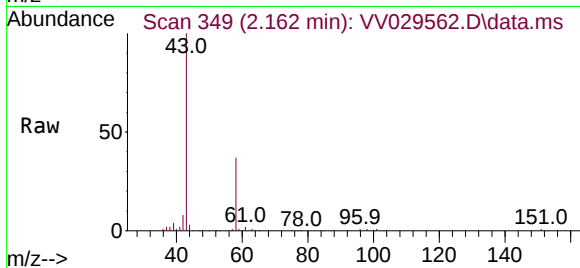
VSTD050381

Tgt Ion: 43 Resp: 121520

Ion Ratio Lower Upper

43 100

58 37.2 0.0 74.8



#14

Carbon disulfide

Concen: 48.824 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029562.D

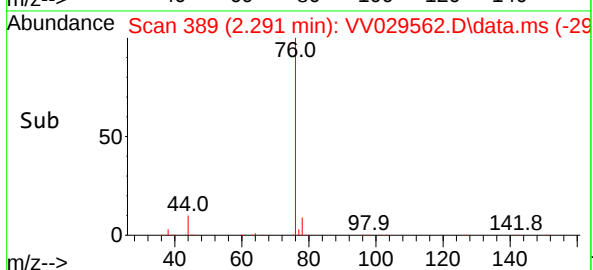
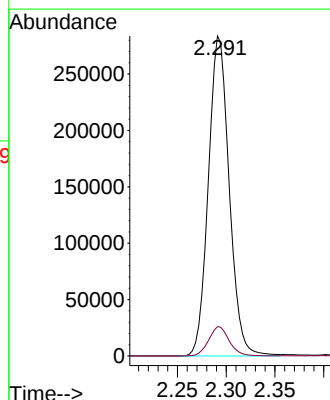
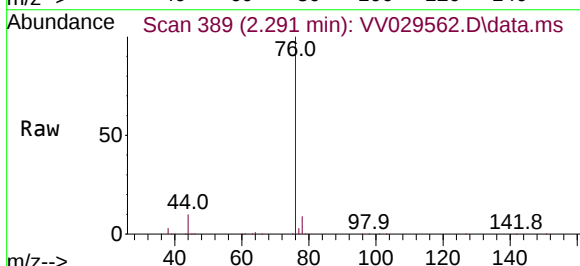
Acq: 10 Dec 2022 07:25

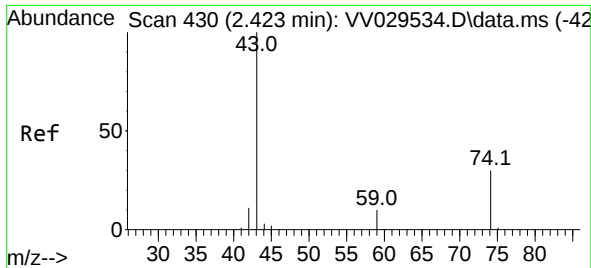
Tgt Ion: 76 Resp: 423266

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

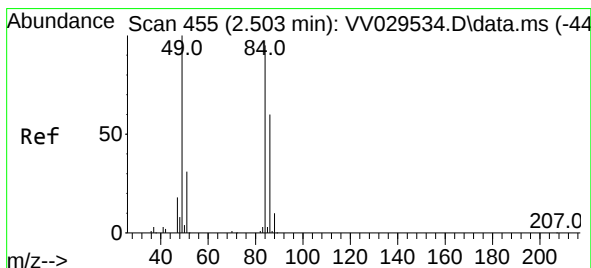
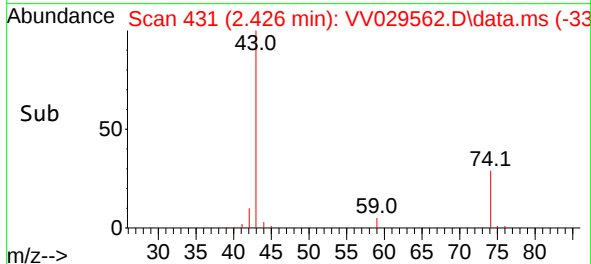
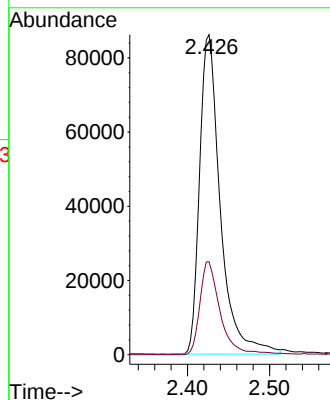
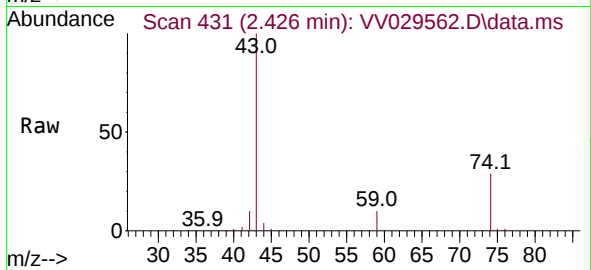




#15
Methyl Acetate
Concen: 55.906 ug/L
RT: 2.426 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

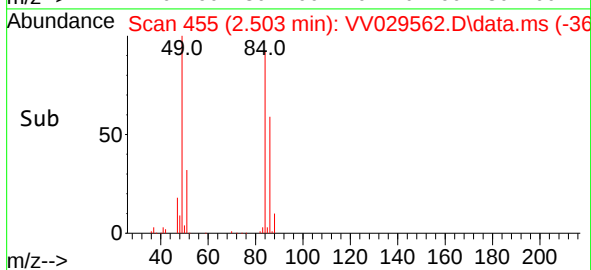
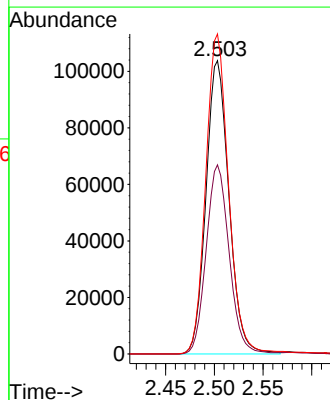
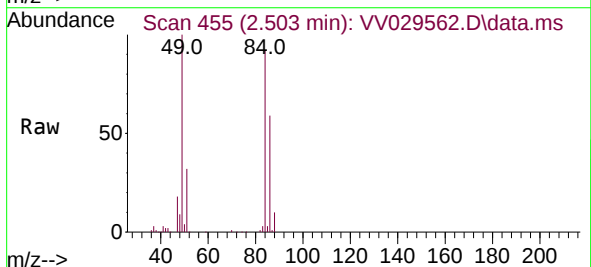
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

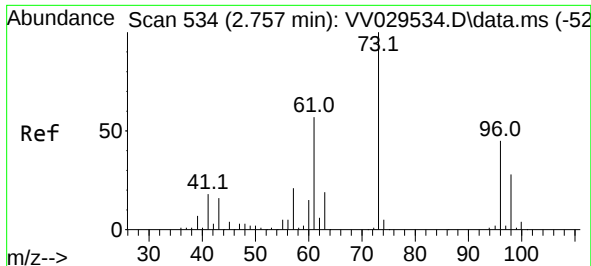
Tgt Ion: 43 Resp: 151050
Ion Ratio Lower Upper
43 100
74 27.5 23.5 35.3



#16
Methylene chloride
Concen: 52.557 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 84 Resp: 170219
Ion Ratio Lower Upper
84 100
86 64.5 46.0 85.4
49 109.1 72.2 134.0

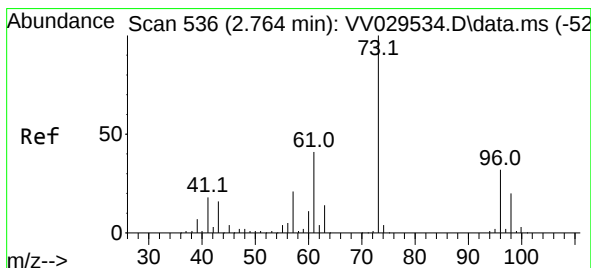
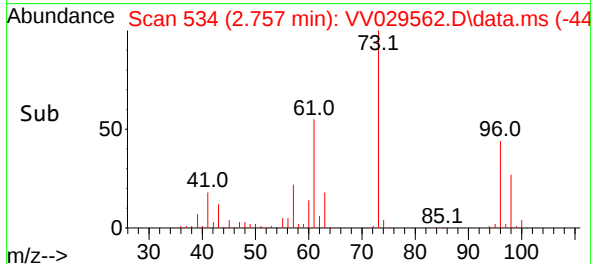
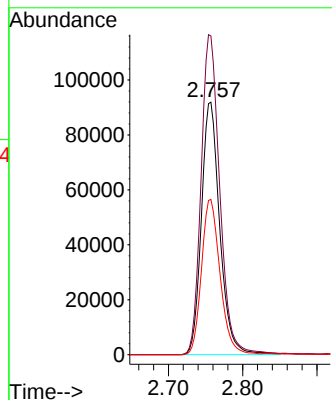
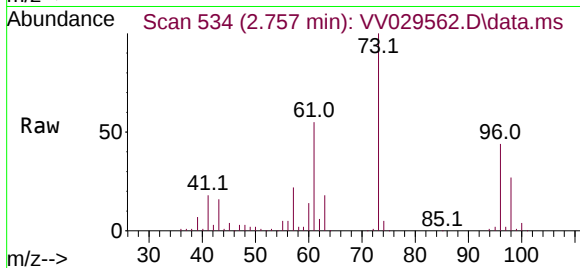




#17
trans-1,2-Dichloroethene
Concen: 52.727 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

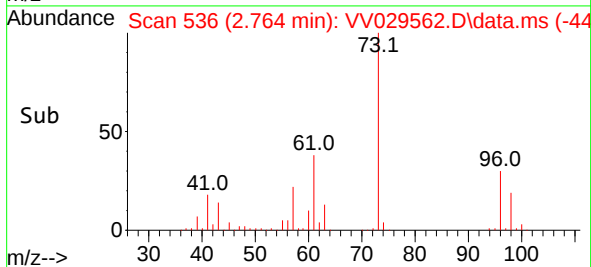
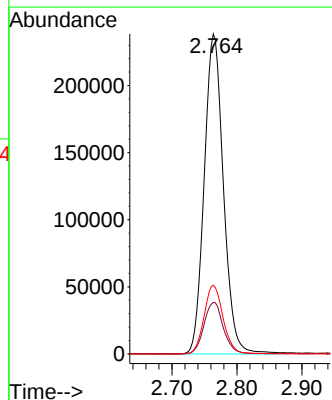
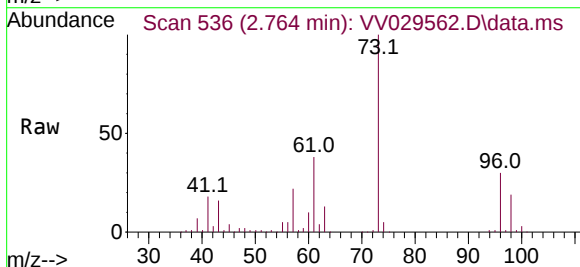
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

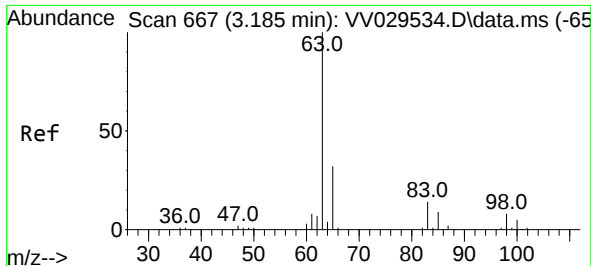
Tgt Ion: 96 Resp: 158254
Ion Ratio Lower Upper
96 100
61 126.2 86.4 160.4
98 61.5 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 53.410 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 73 Resp: 491142
Ion Ratio Lower Upper
73 100
43 16.1 12.7 19.1
57 21.3 16.7 25.1





#19

1,1-Dichloroethane

Concen: 53.928 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

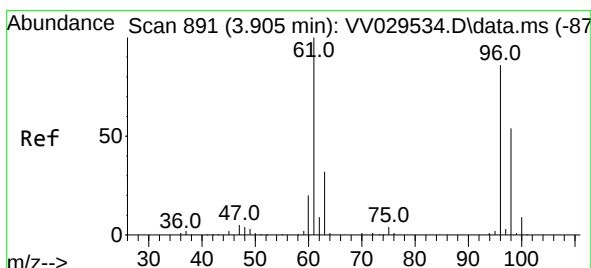
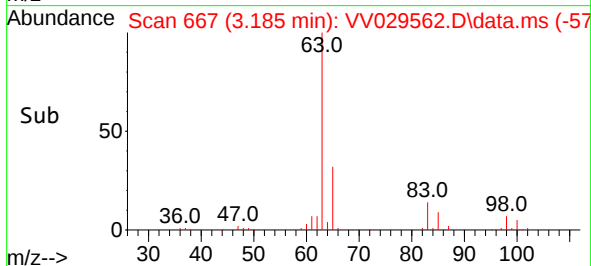
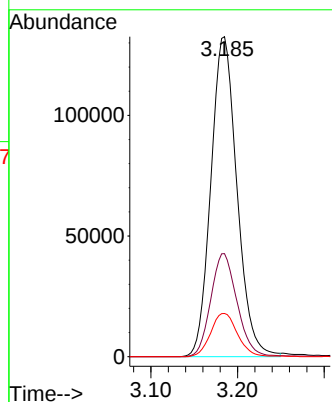
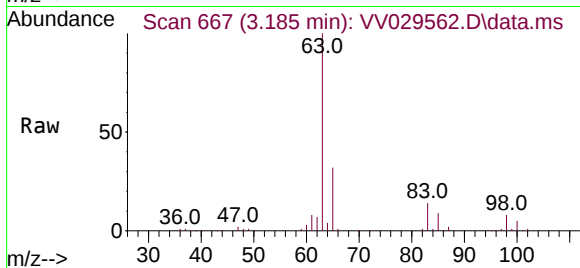
Tgt Ion: 63 Resp: 277283

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 13.5 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 52.313 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

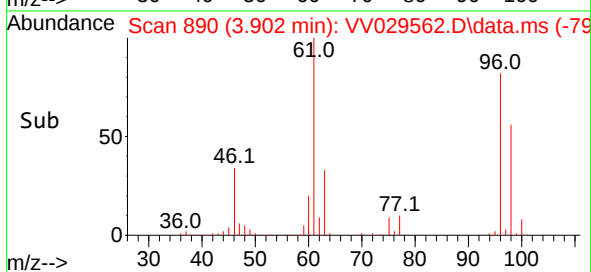
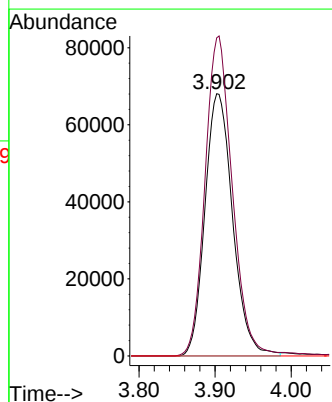
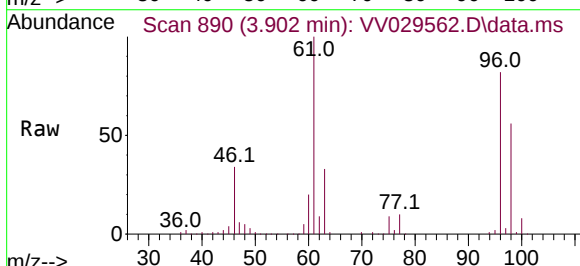
Tgt Ion: 96 Resp: 172653

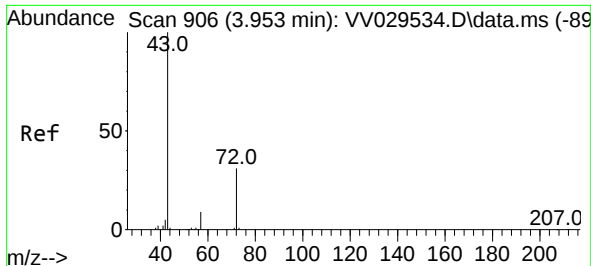
Ion Ratio Lower Upper

96 100

61 121.3 78.0 144.9

68 0.0 0.0 0.0

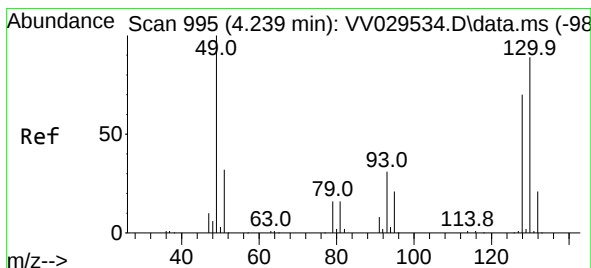
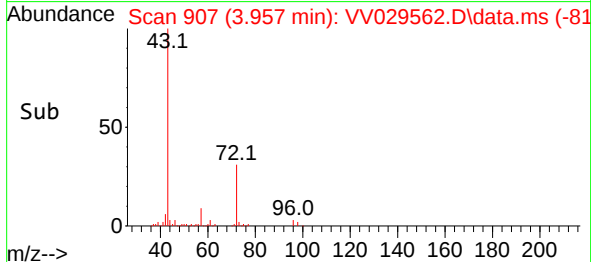
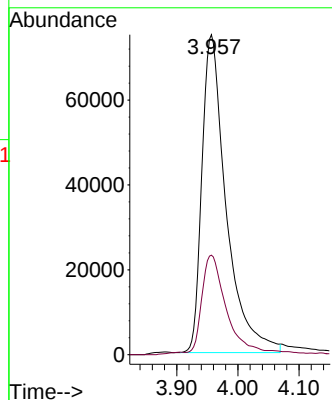
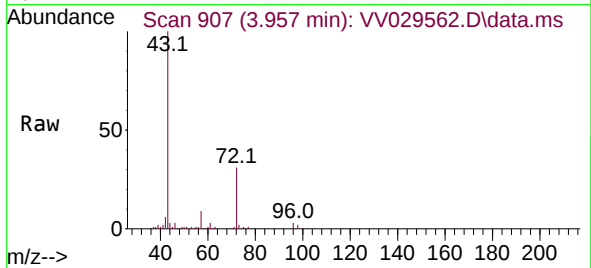




#22
2-Butanone
Concen: 109.628 ug/L
RT: 3.957 min Scan# 906
Delta R.T. 0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

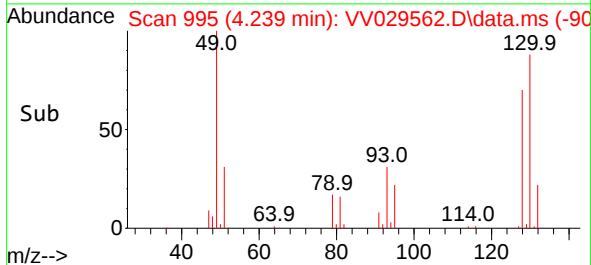
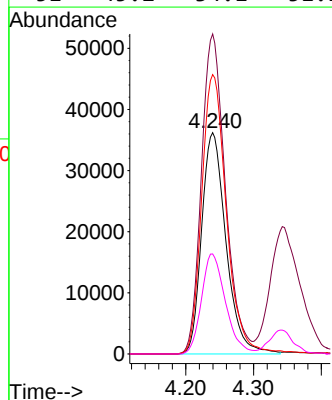
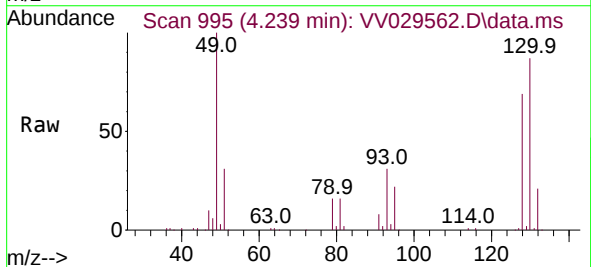
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

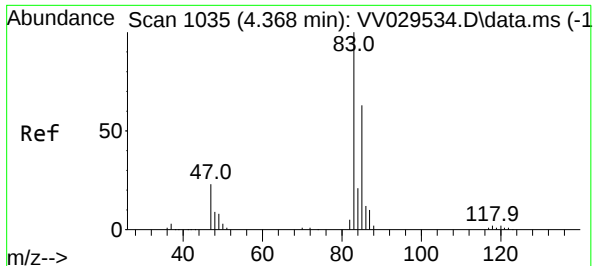
Tgt Ion: 43 Resp: 206865
Ion Ratio Lower Upper
43 100
72 30.0 15.9 47.6



#23
Bromochloromethane
Concen: 53.152 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion:128 Resp: 90330
Ion Ratio Lower Upper
128 100
49 144.6 92.2 171.2
130 126.3 88.3 164.1
51 45.2 34.1 51.1





#25

Chloroform

Concen: 53.685 ug/L

RT: 4.365 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

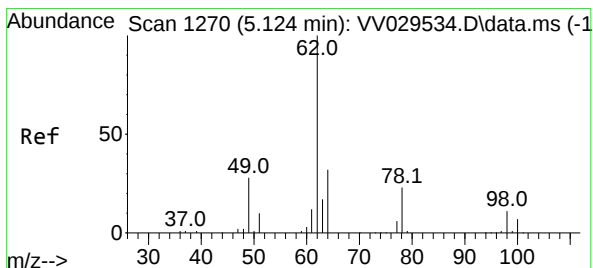
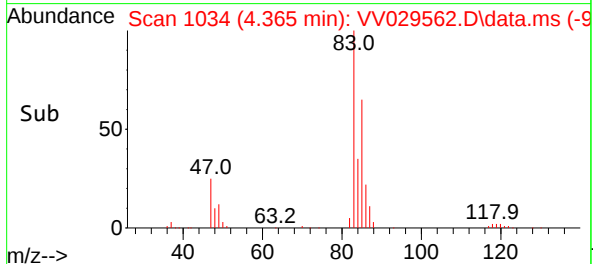
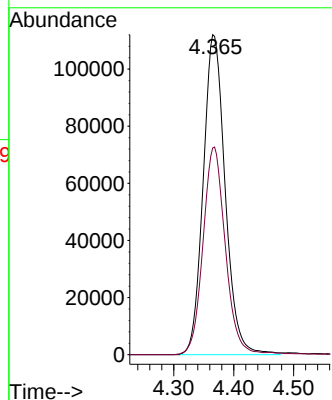
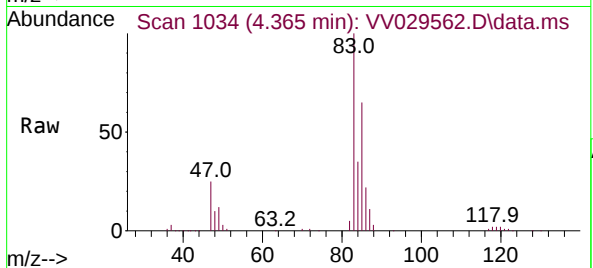
VSTD050381

Tgt Ion: 83 Resp: 286170

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9



#27

1,2-Dichloroethane

Concen: 52.873 ug/L

RT: 5.120 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV029562.D

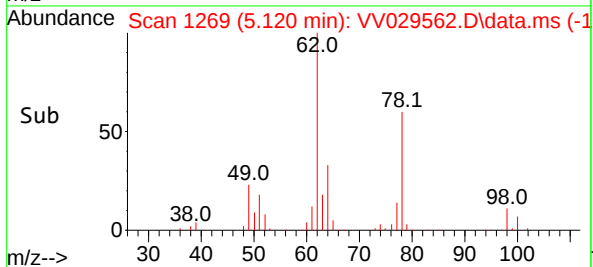
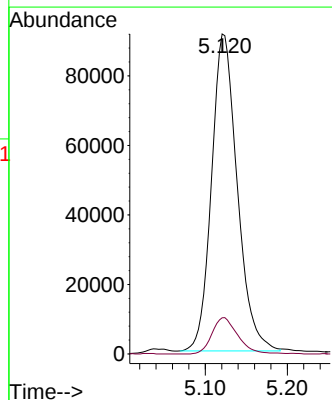
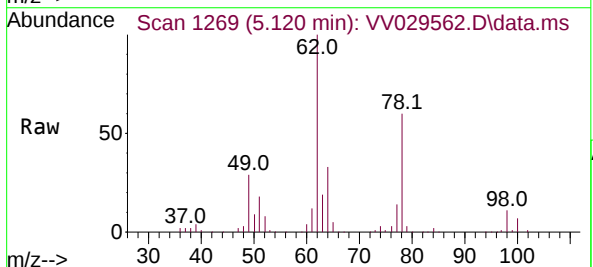
Acq: 10 Dec 2022 07:25

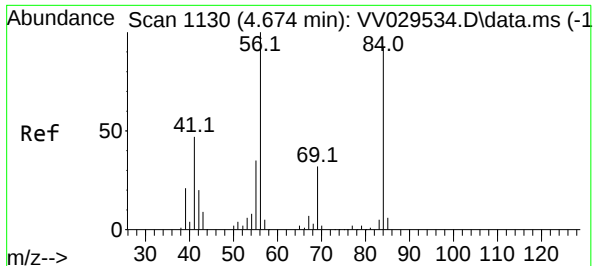
Tgt Ion: 62 Resp: 199094

Ion Ratio Lower Upper

62 100

98 11.3 9.4 14.0





#29

Cyclohexane

Concen: 51.068 ug/L

RT: 4.670 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

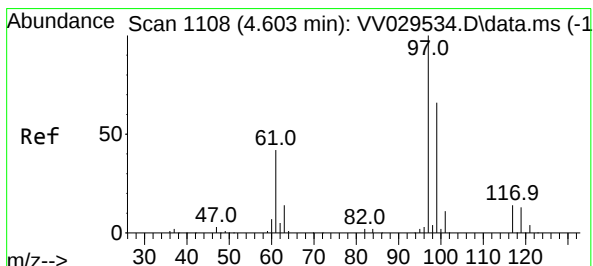
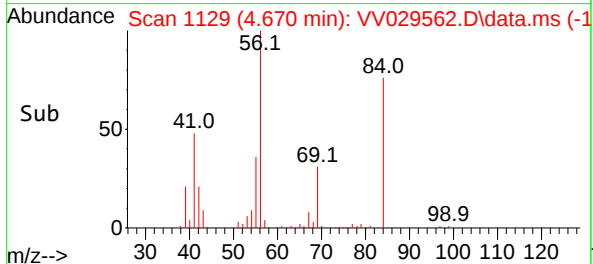
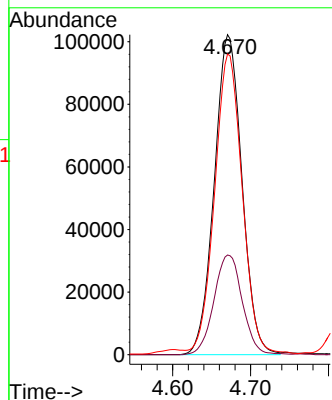
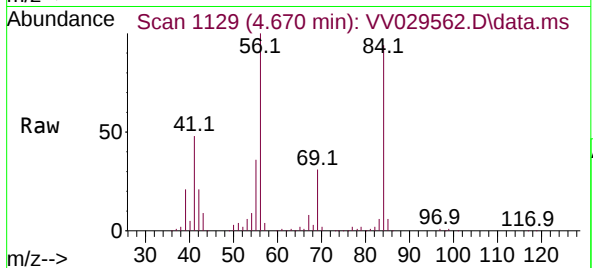
Tgt Ion: 56 Resp: 251905

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

84 93.9 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 50.825 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

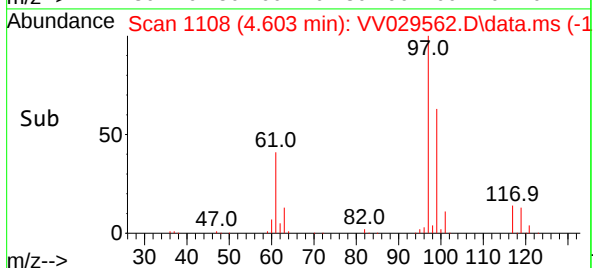
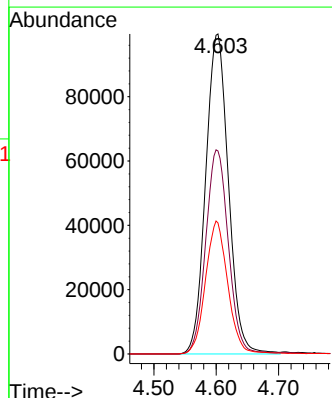
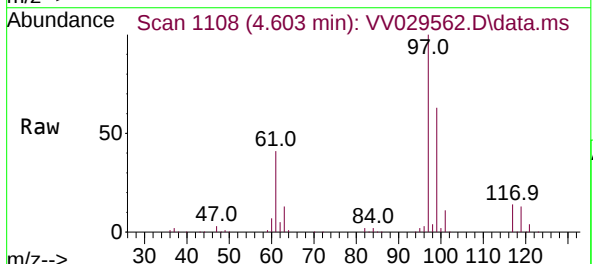
Tgt Ion: 97 Resp: 252150

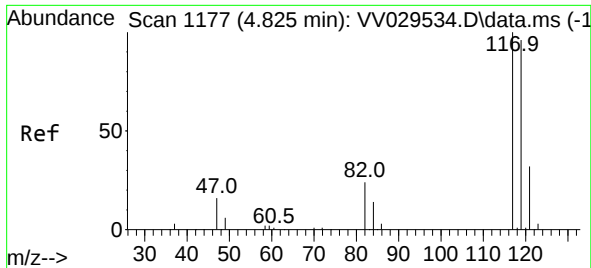
Ion Ratio Lower Upper

97 100

99 63.5 52.1 78.1

61 40.8 31.8 47.8

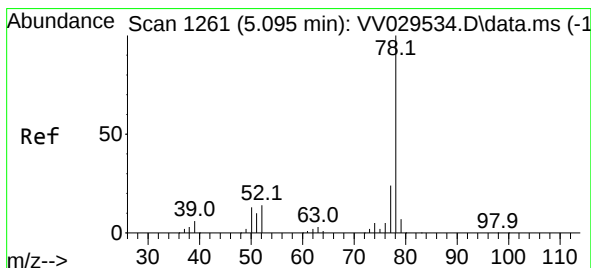
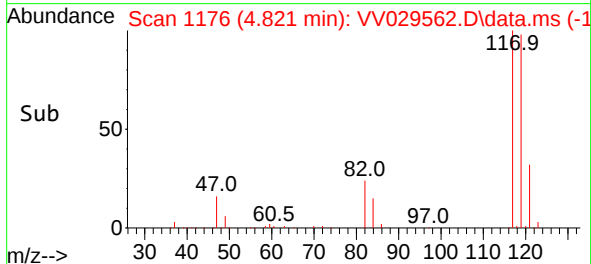
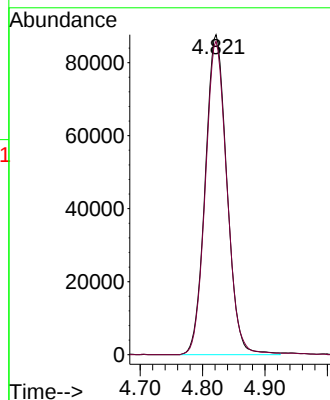
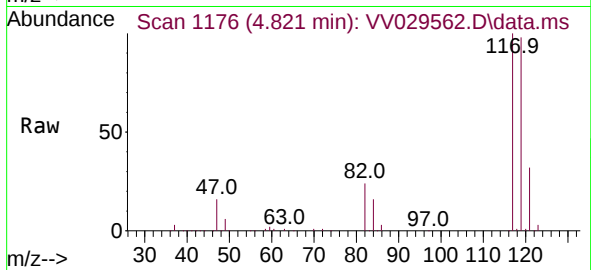




#31
Carbon tetrachloride
Concen: 48.897 ug/L
RT: 4.821 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

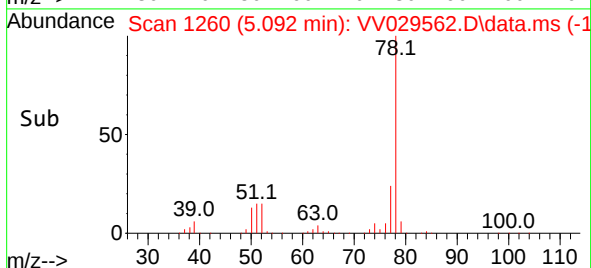
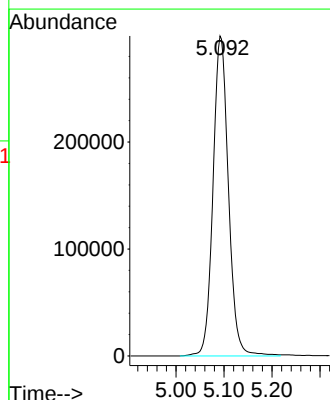
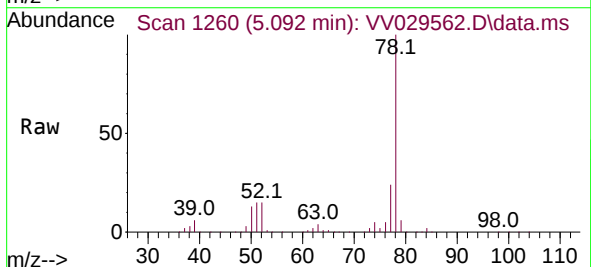
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

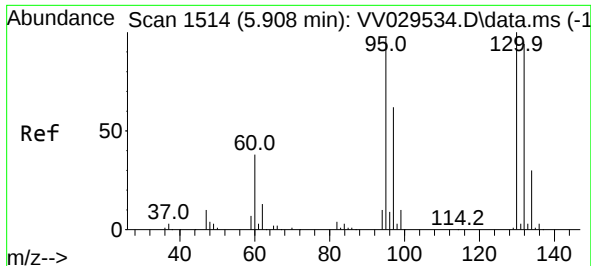
Tgt Ion:117 Resp: 211839
Ion Ratio Lower Upper
117 100
119 97.2 76.7 115.1



#33
Benzene
Concen: 52.080 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 78 Resp: 668463



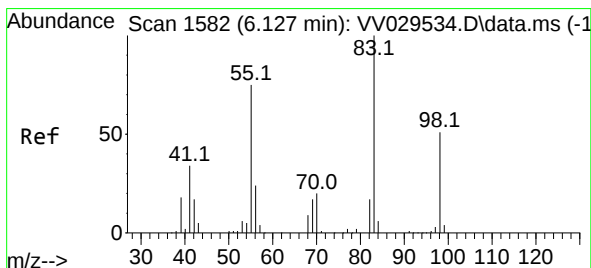
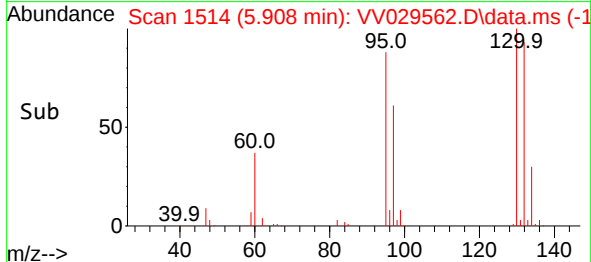
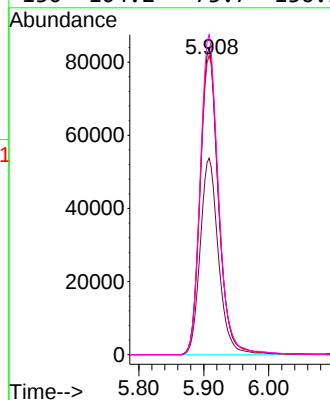
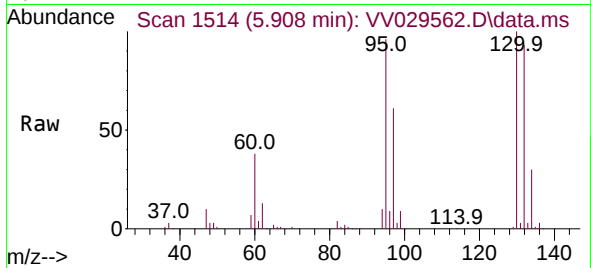


#34
Trichloroethene
Concen: 51.122 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

Tgt Ion: 95 Resp: 164427

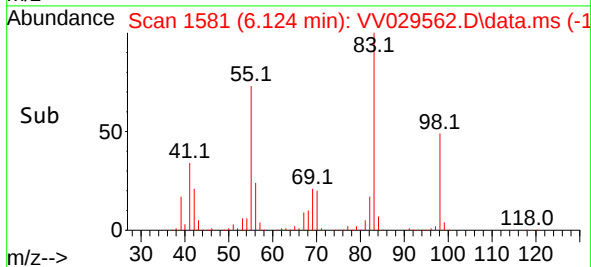
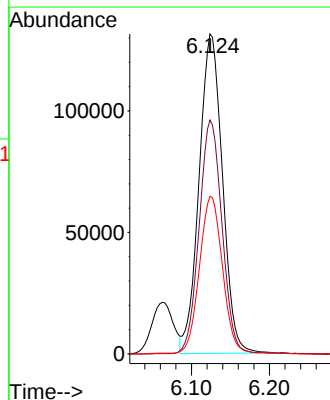
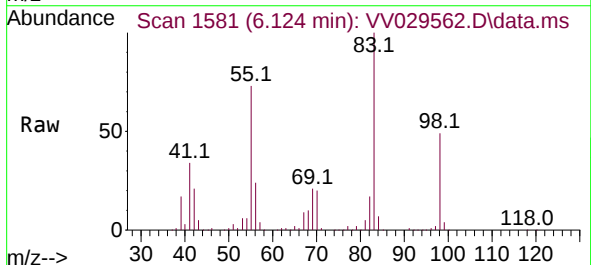
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.0	81.8
132	97.3	69.9	129.9
130	104.2	73.7	136.9

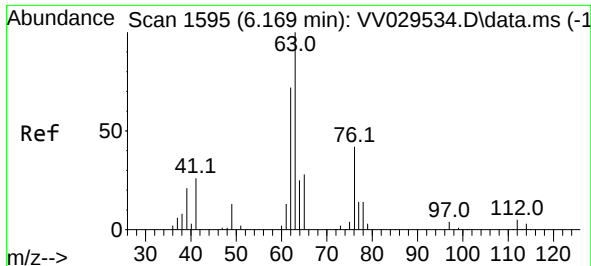


#35
Methylcyclohexane
Concen: 50.130 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 83 Resp: 273846

Ion	Ratio	Lower	Upper
83	100		
55	71.3	55.5	83.3
98	48.3	39.8	59.8





#37

1,2-Dichloropropane

Concen: 53.611 ug/L

RT: 6.165 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

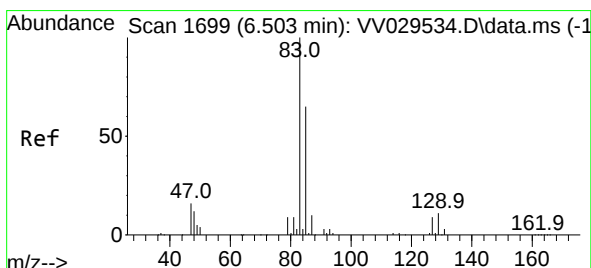
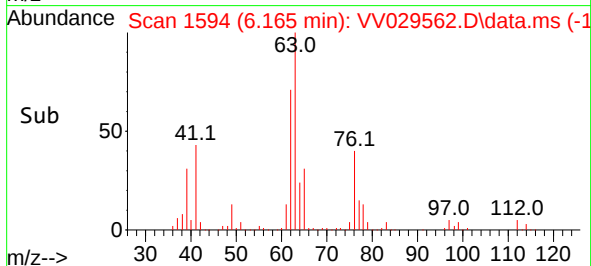
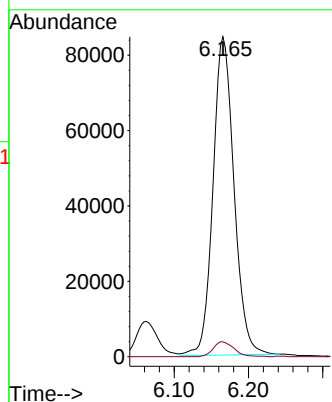
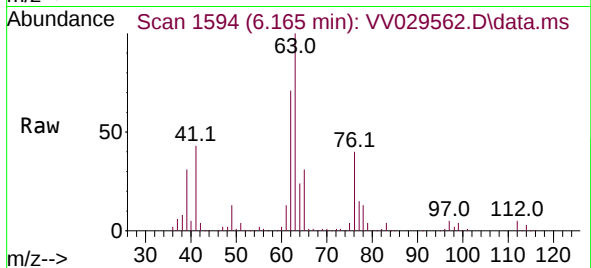
VSTD050381

Tgt Ion: 63 Resp: 166082

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 49.709 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

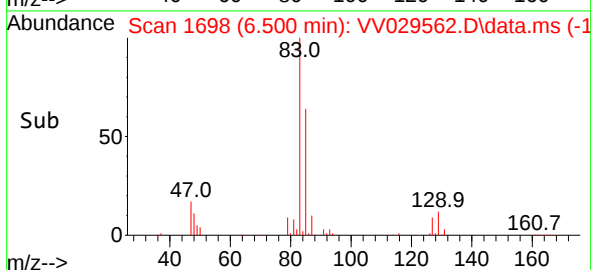
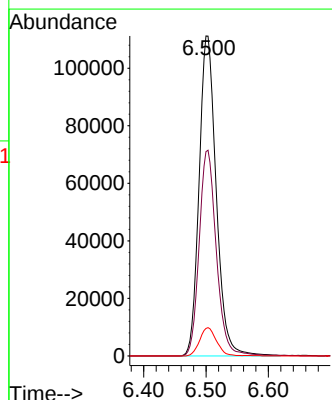
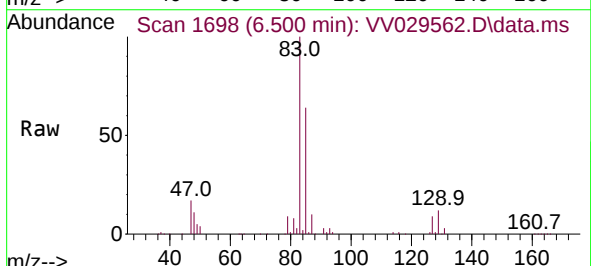
Tgt Ion: 83 Resp: 212586

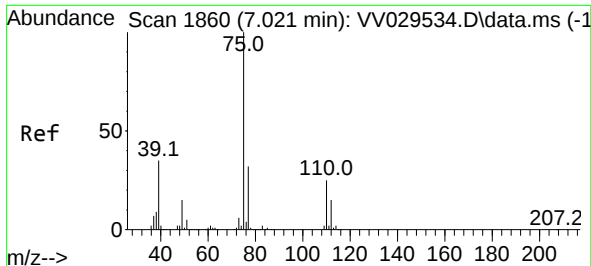
Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 41.563 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

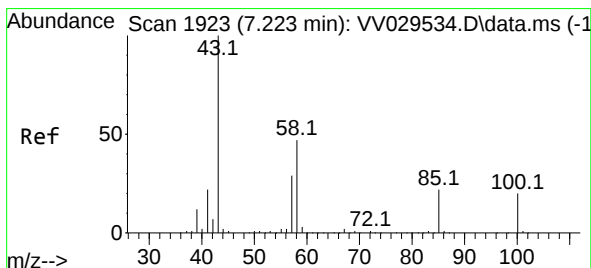
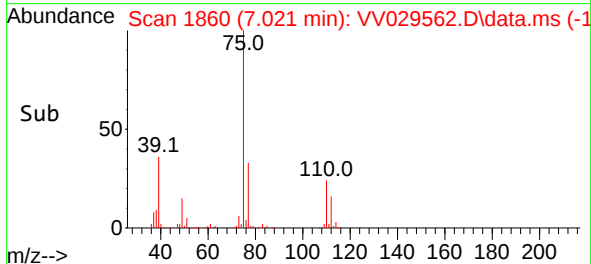
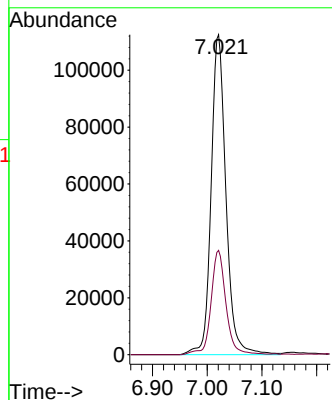
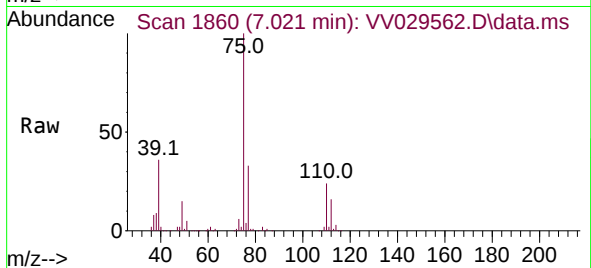
VSTD050381

Tgt Ion: 75 Resp: 211761

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 113.842 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

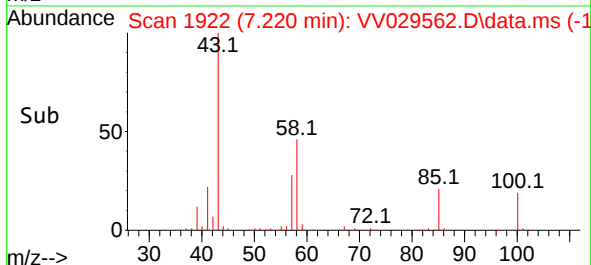
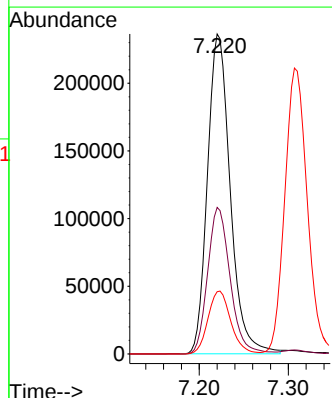
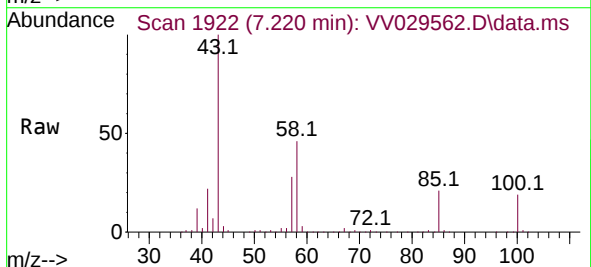
Tgt Ion: 43 Resp: 420492

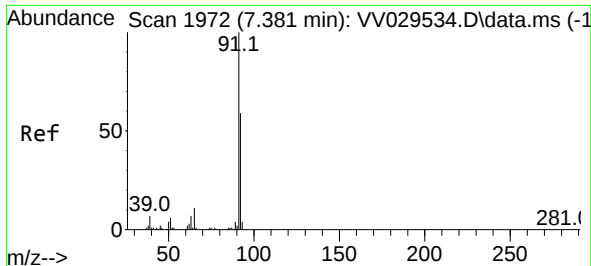
Ion Ratio Lower Upper

43 100

58 45.2 37.5 56.3

100 19.7 16.7 25.1





#42

Toluene

Concen: 51.430 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

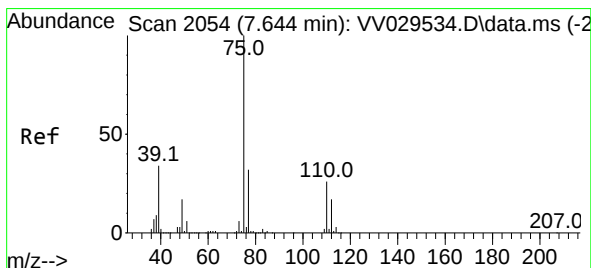
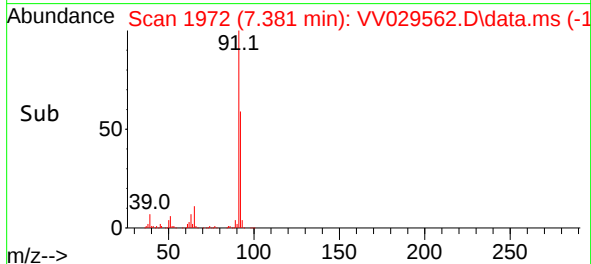
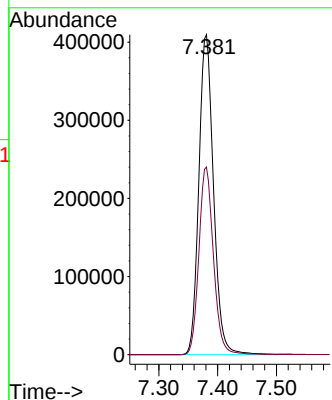
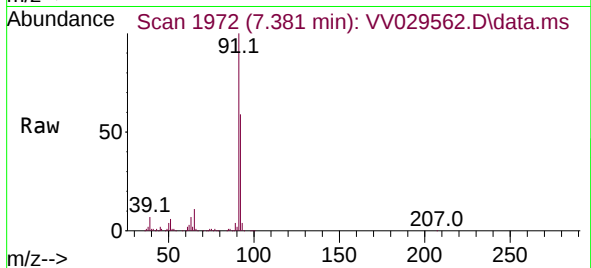
VSTD050381

Tgt Ion: 91 Resp: 710503

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 42.490 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.003 min

Lab File: VV029562.D

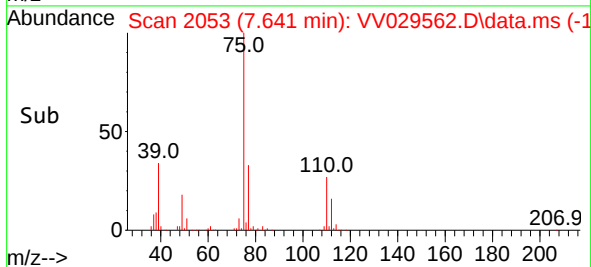
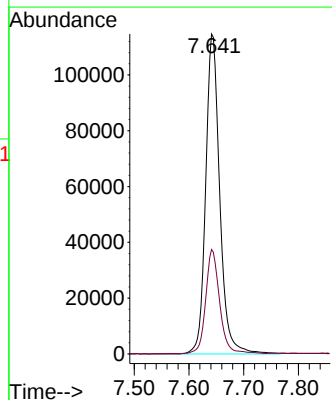
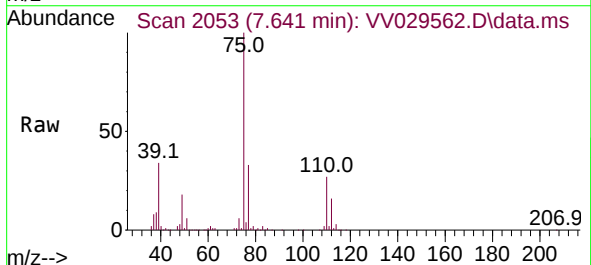
Acq: 10 Dec 2022 07:25

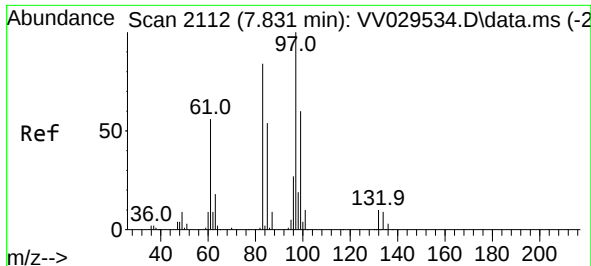
Tgt Ion: 75 Resp: 205013

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5



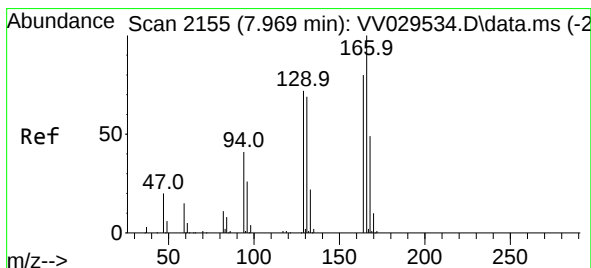
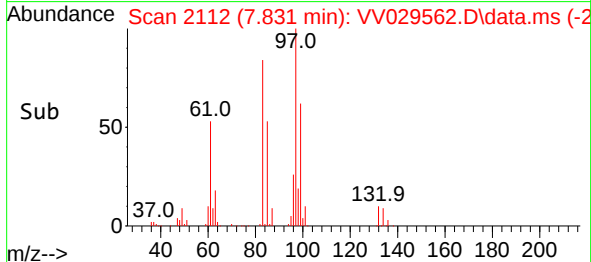
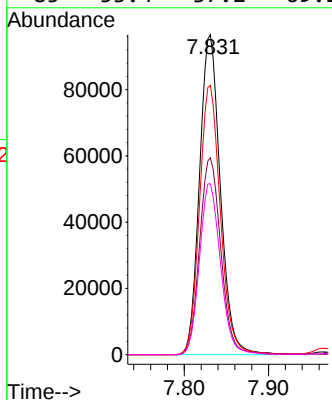
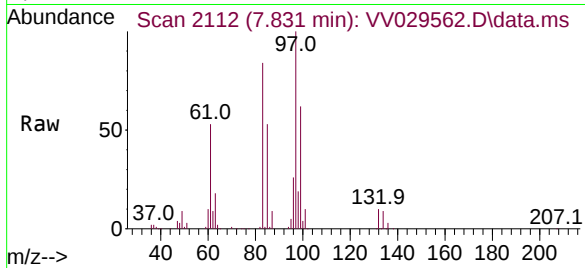


#45
1,1,2-Trichloroethane
Concen: 51.945 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

Tgt Ion: 97 Resp: 166252

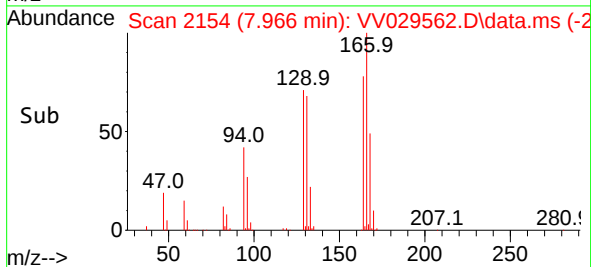
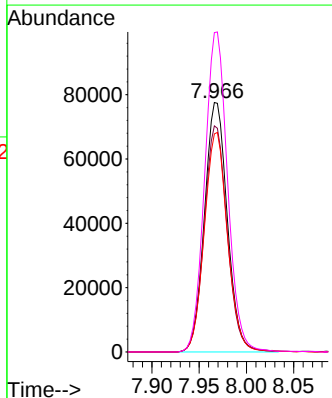
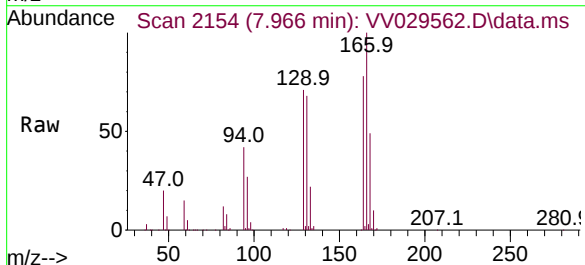
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.8	81.3
83	84.2	58.6	108.8
85	53.4	37.2	69.2

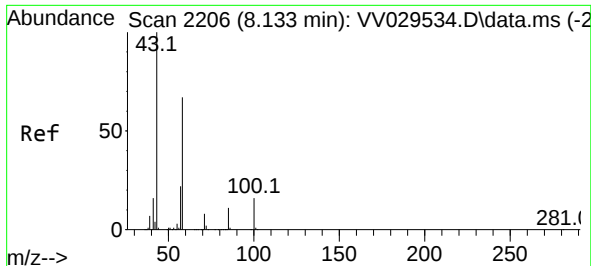


#46
Tetrachloroethene
Concen: 50.575 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 164 Resp: 130781

Ion	Ratio	Lower	Upper
164	100		
129	90.6	65.3	121.3
131	87.4	63.1	117.1
166	128.0	90.8	168.6

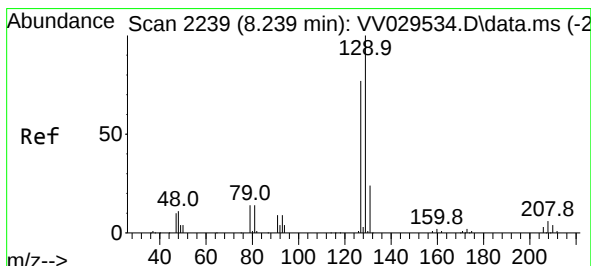
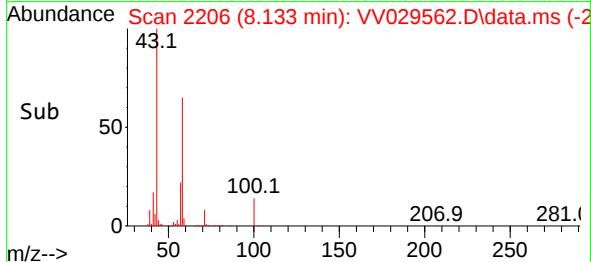
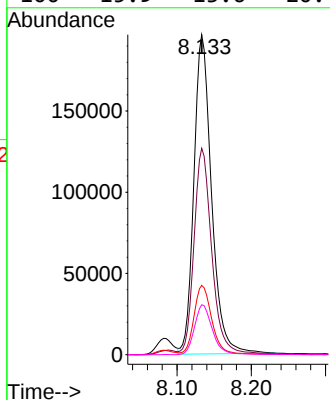
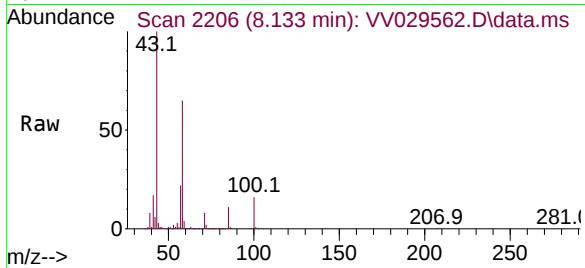




#48
2-Hexanone
Concen: 115.296 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

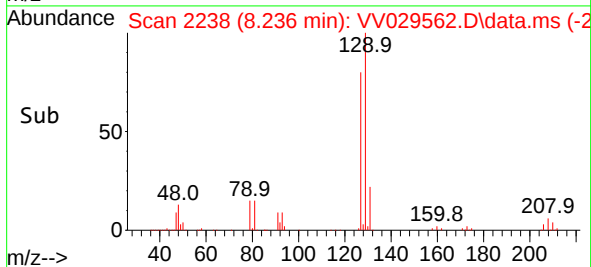
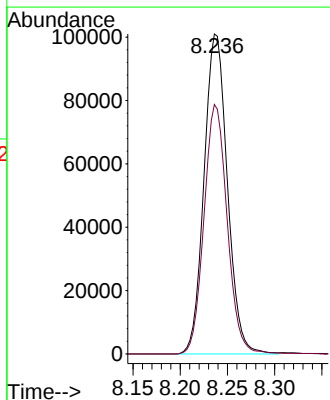
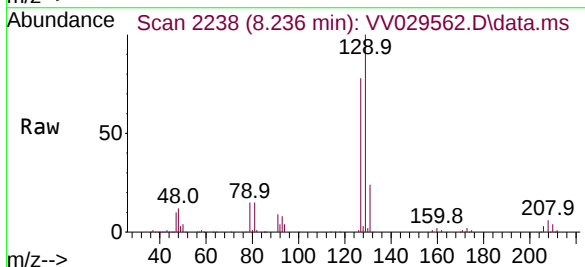
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

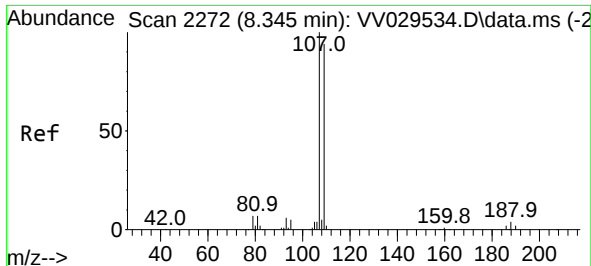
Tgt Ion: 43 Resp: 325358
Ion Ratio Lower Upper
43 100
58 63.9 54.1 81.1
57 21.5 17.4 26.0
100 15.9 13.6 20.4



#49
Dibromochloromethane
Concen: 49.142 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 129 Resp: 173647
Ion Ratio Lower Upper
129 100
127 78.0 55.2 102.4





#50

1,2-Dibromoethane

Concen: 49.401 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

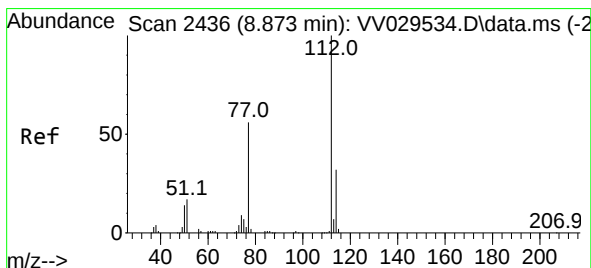
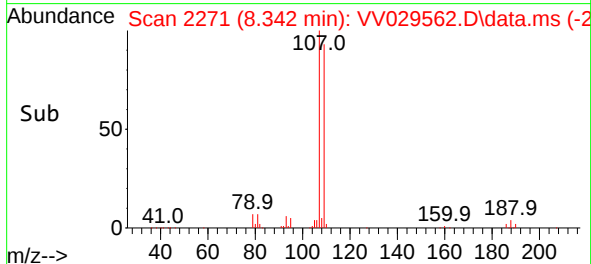
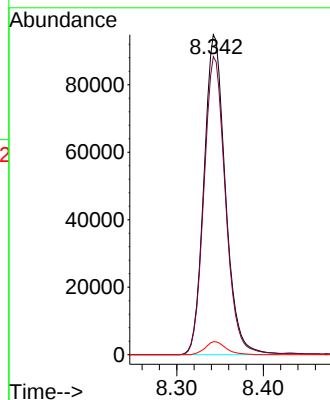
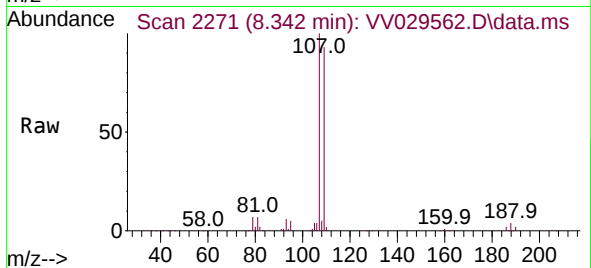
Tgt Ion:107 Resp: 162888

Ion Ratio Lower Upper

107 100

109 93.2 66.0 122.6

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 51.761 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

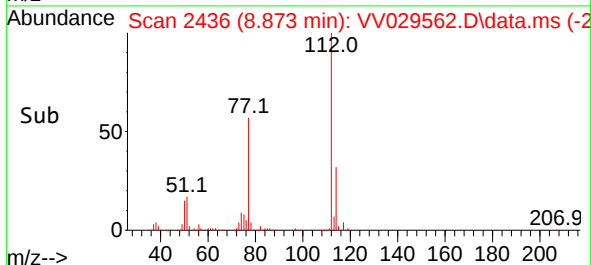
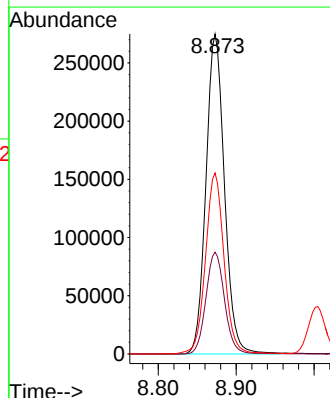
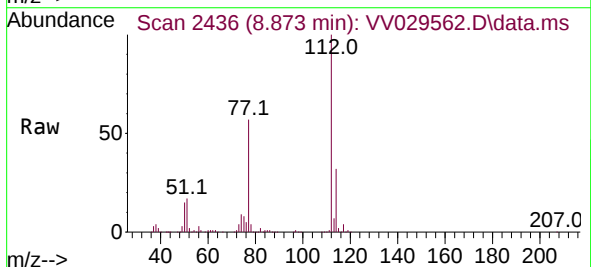
Tgt Ion:112 Resp: 452808

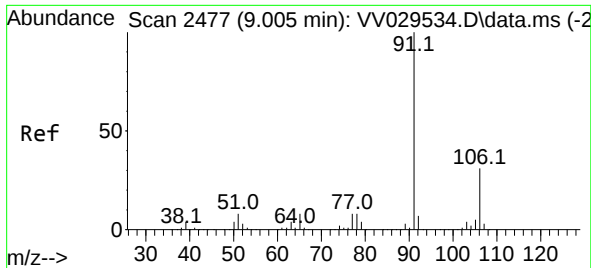
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 56.6 45.0 67.4

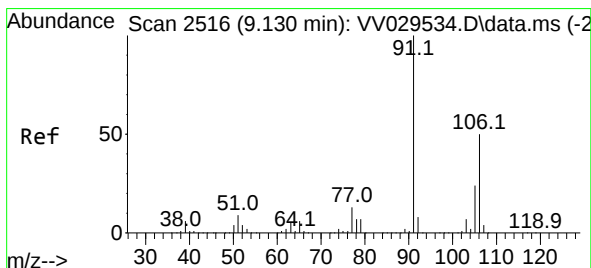
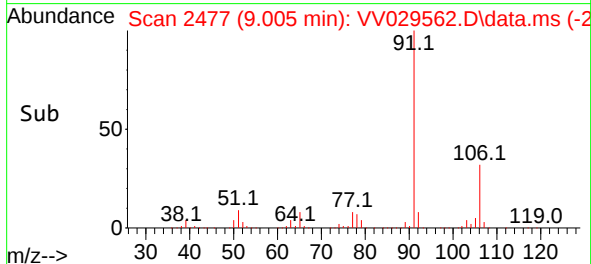
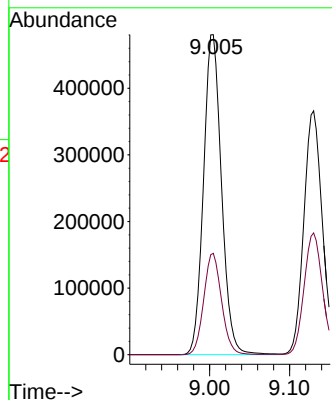
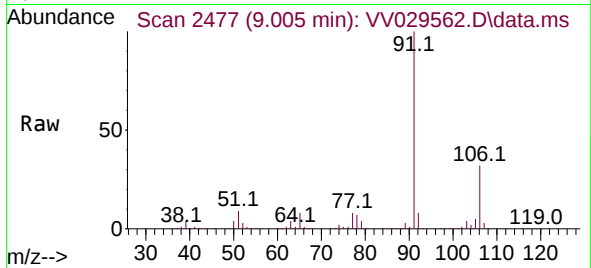




#52
Ethylbenzene
Concen: 51.897 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

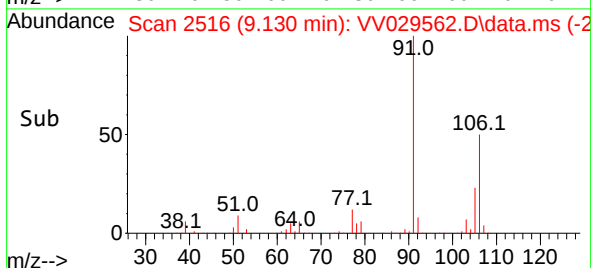
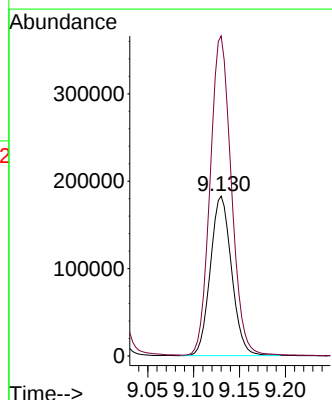
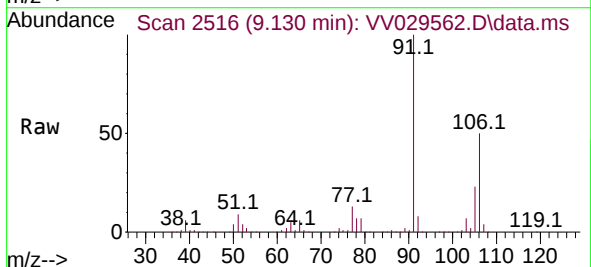
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

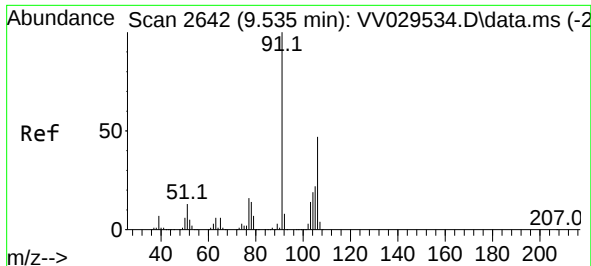
Tgt Ion: 91 Resp: 753771
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 51.063 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 106 Resp: 293539
Ion Ratio Lower Upper
106 100
91 200.2 139.5 259.1

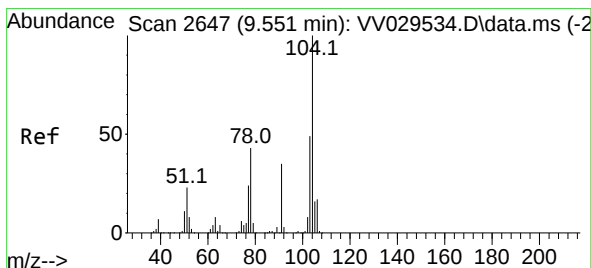
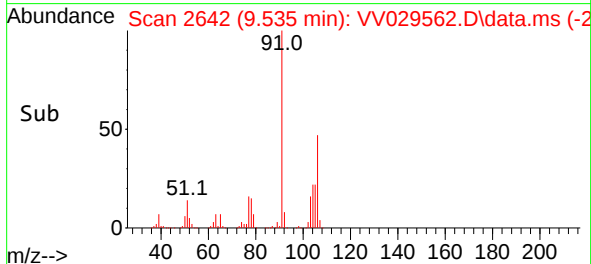
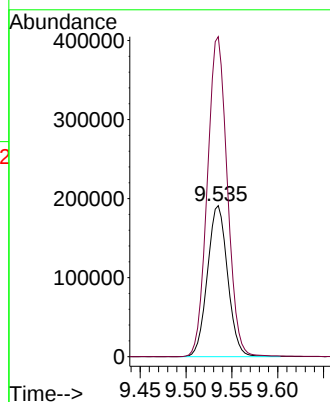
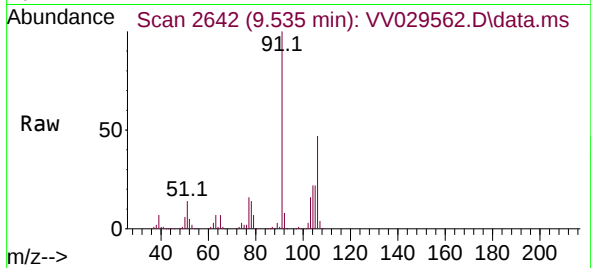




#54
o-Xylene
Concen: 51.584 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

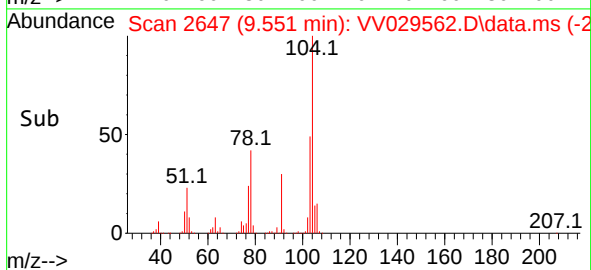
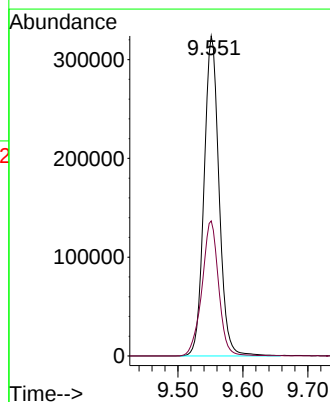
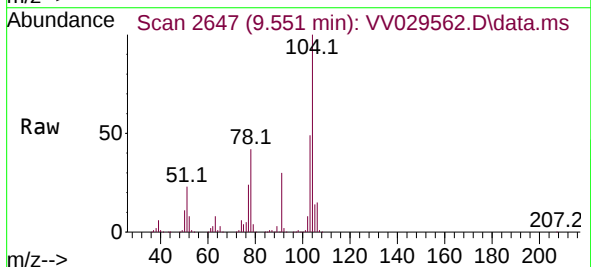
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

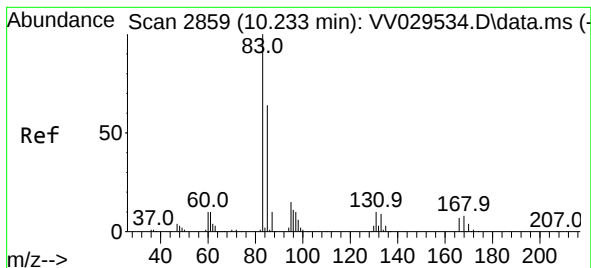
Tgt Ion:106 Resp: 293320
Ion Ratio Lower Upper
106 100
91 211.8 148.0 274.8



#55
Styrene
Concen: 52.800 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion:104 Resp: 521760
Ion Ratio Lower Upper
104 100
78 42.2 29.4 54.6

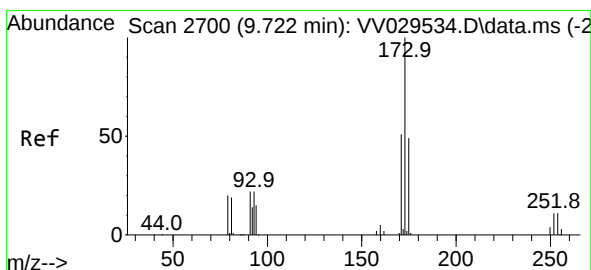
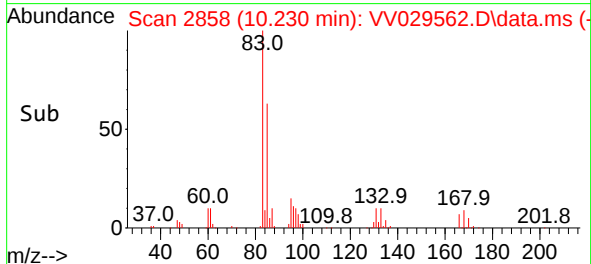
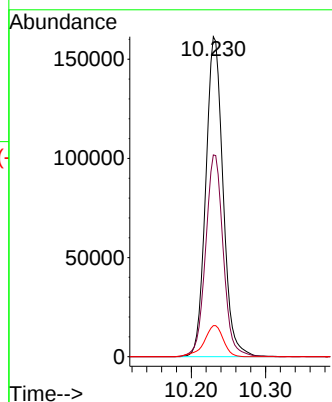
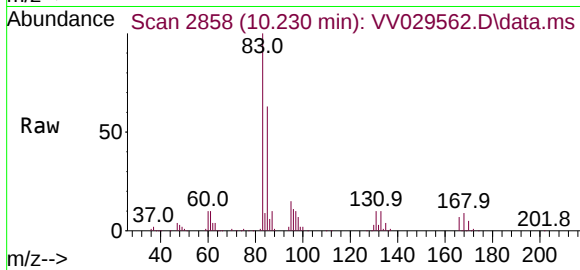




#57
1,1,2,2-Tetrachloroethane
Concen: 50.721 ug/L
RT: 10.230 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

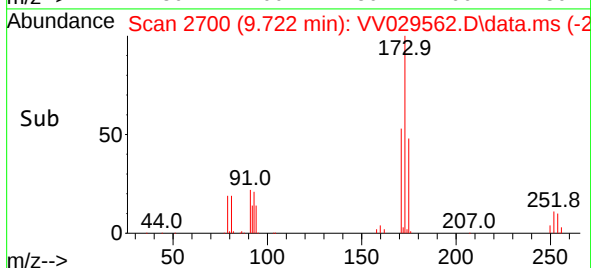
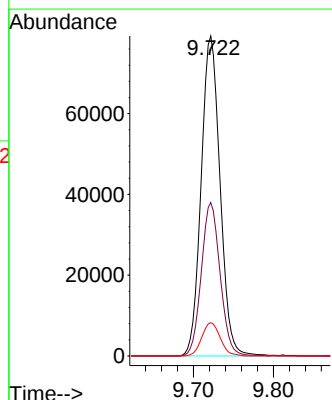
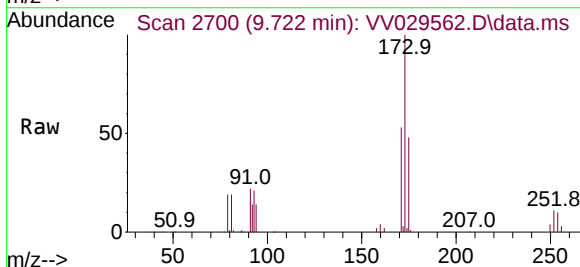
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

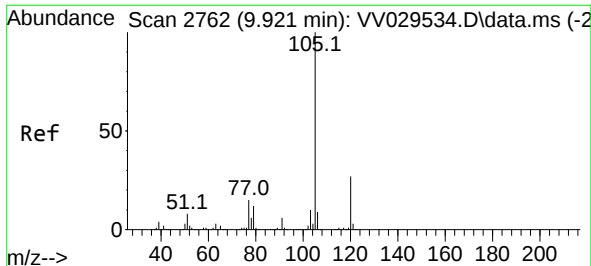
Tgt Ion: 83 Resp: 259675
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9
131 9.7 7.9 11.9



#59
Bromoform
Concen: 48.236 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 173 Resp: 130526
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
254 10.2 7.8 11.8

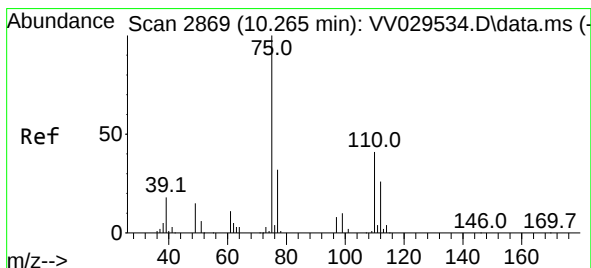
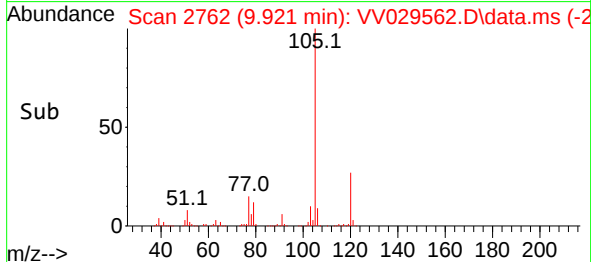
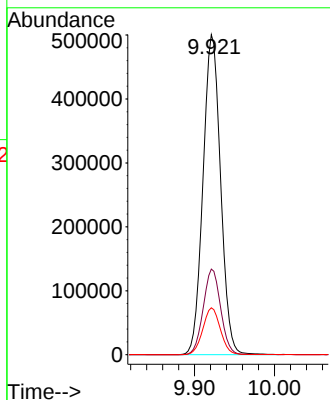
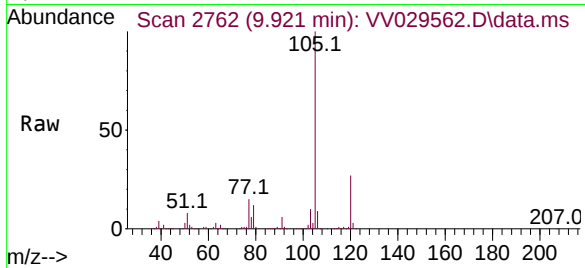




#60
Isopropylbenzene
Concen: 53.307 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

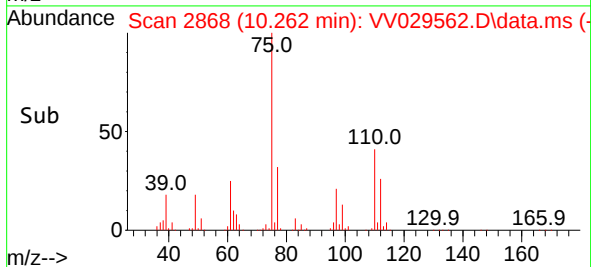
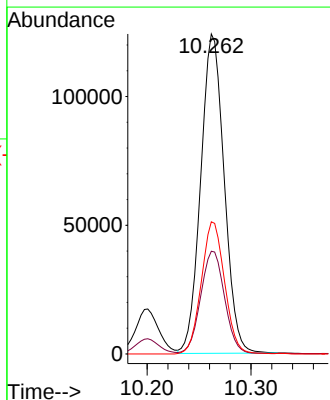
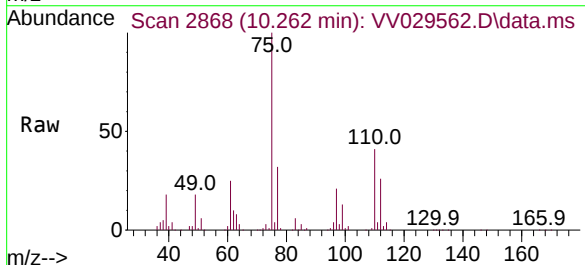
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

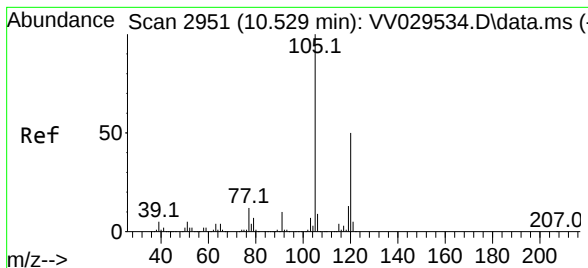
Tgt Ion:105 Resp: 766666
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 51.433 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion: 75 Resp: 194475
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2
110 41.0 32.7 49.1

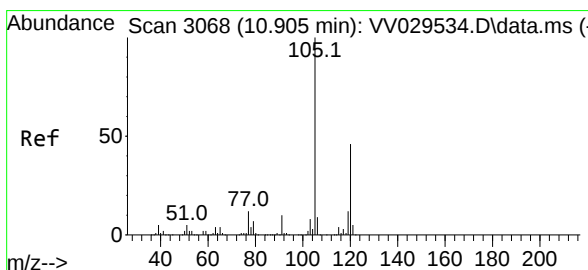
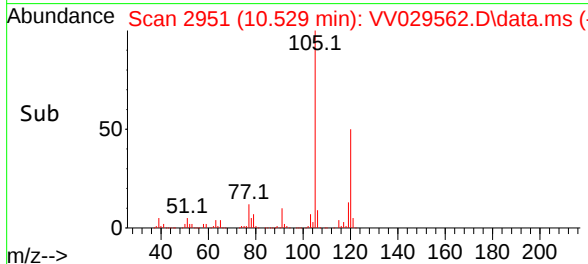
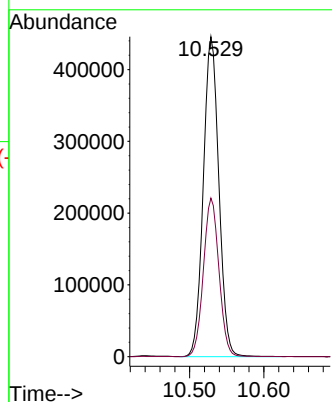
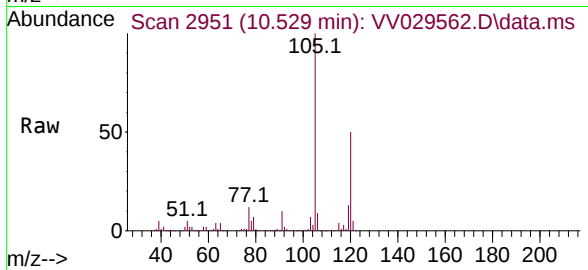




#62
1,3,5-Trimethylbenzene
Concen: 50.897 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

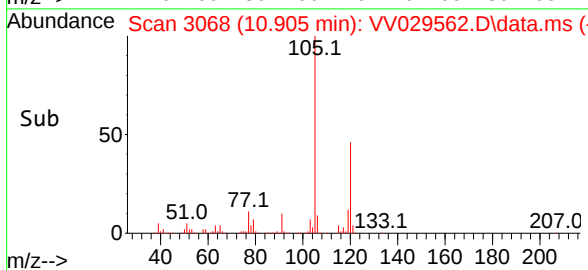
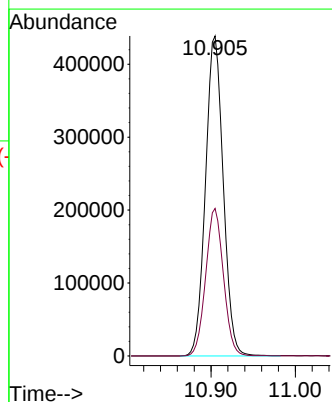
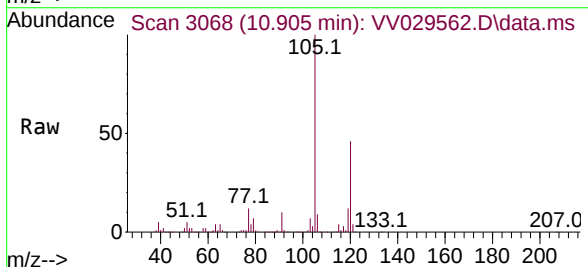
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

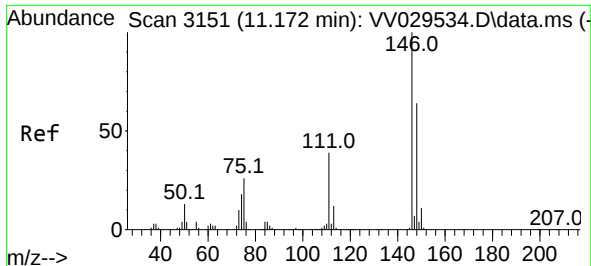
Tgt Ion:105 Resp: 647225
Ion Ratio Lower Upper
105 100
120 49.6 40.0 60.0



#63
1,2,4-Trimethylbenzene
Concen: 51.104 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion:105 Resp: 644172
Ion Ratio Lower Upper
105 100
120 46.1 36.7 55.1

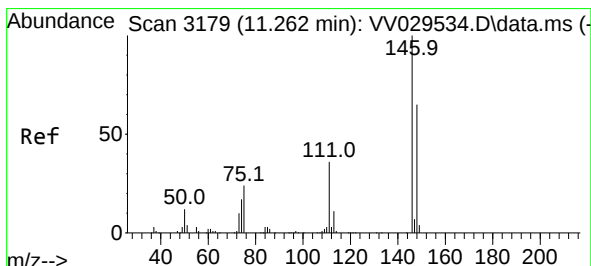
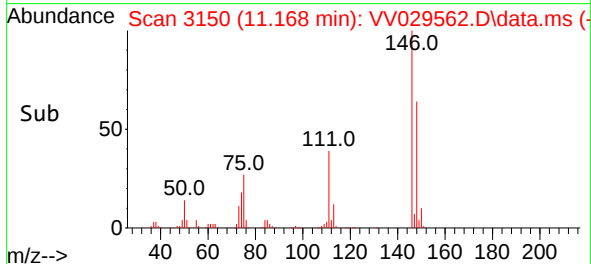
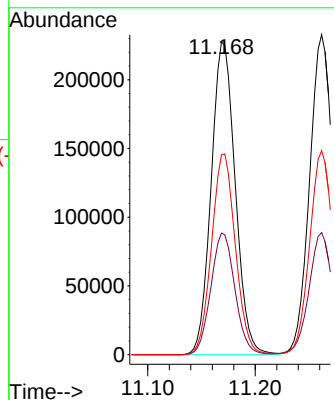
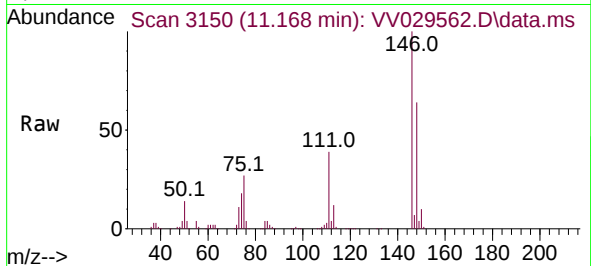




#64
1,3-Dichlorobenzene
Concen: 50.323 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

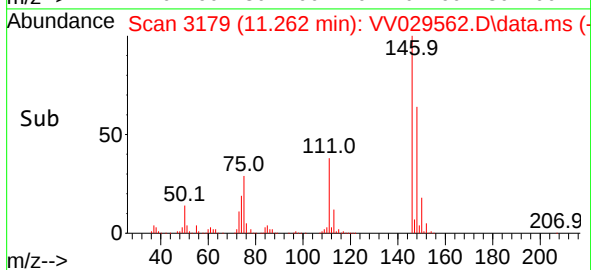
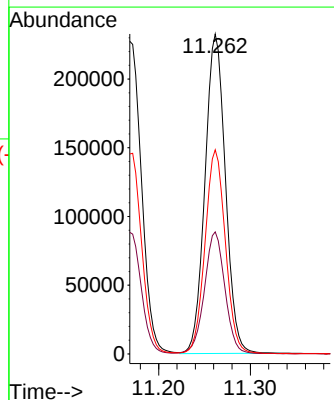
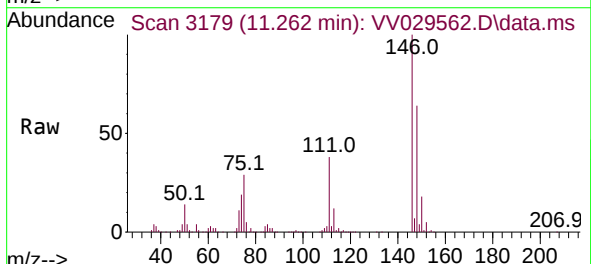
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

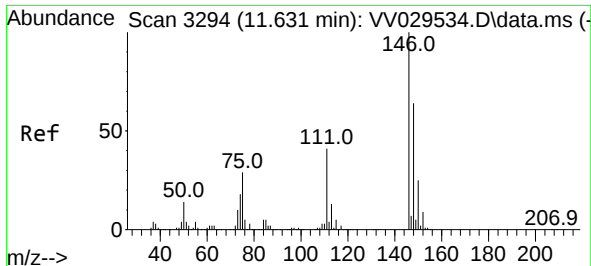
Tgt Ion:146 Resp: 353875
Ion Ratio Lower Upper
146 100
111 38.9 27.4 51.0
148 64.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 50.269 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029562.D
Acq: 10 Dec 2022 07:25

Tgt Ion:146 Resp: 359259
Ion Ratio Lower Upper
146 100
111 38.1 26.2 48.8
148 63.8 44.7 83.1

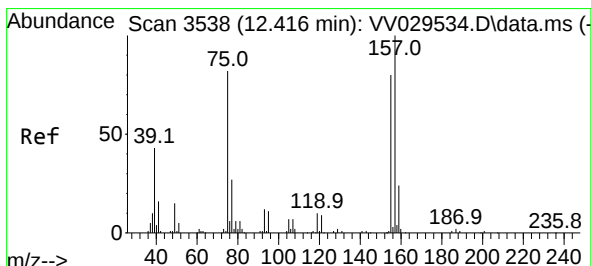
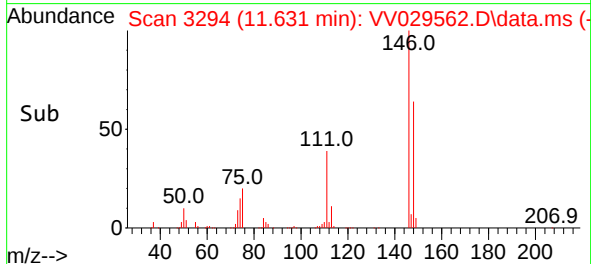
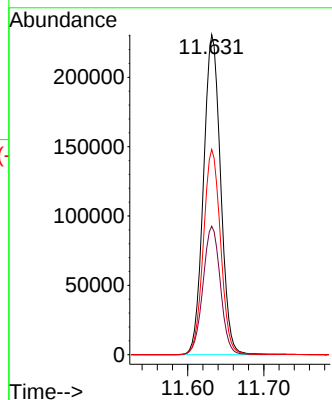
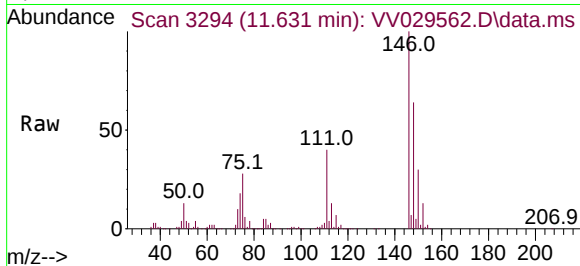




#67
 1,2-Dichlorobenzene
 Concen: 50.234 ug/L
 RT: 11.631 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

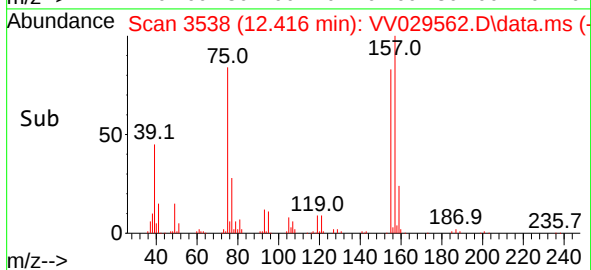
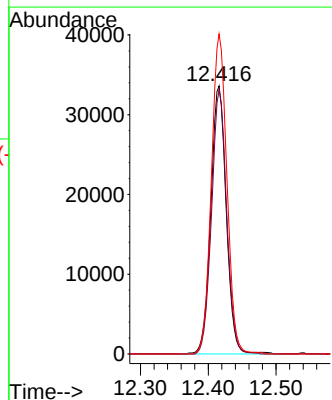
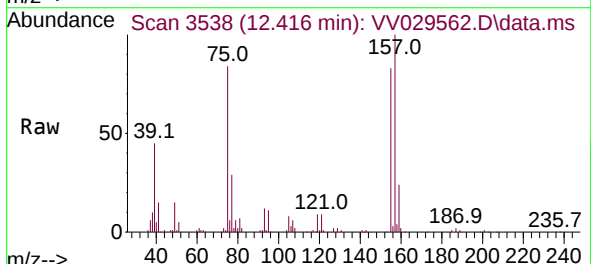
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050381

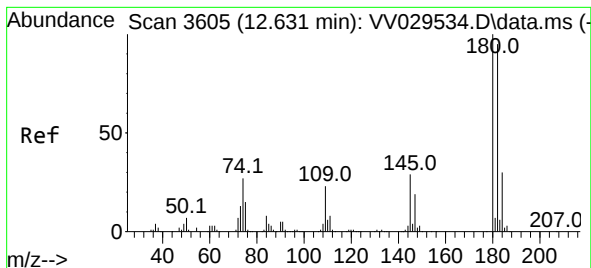
Tgt Ion:146 Resp: 361226
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.0 48.0
 148 64.1 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.282 ug/L
 RT: 12.416 min Scan# 3538
 Delta R.T. 0.000 min
 Lab File: VV029562.D
 Acq: 10 Dec 2022 07:25

Tgt Ion: 75 Resp: 53215
 Ion Ratio Lower Upper
 75 100
 155 98.5 76.2 114.2
 157 119.4 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 48.004 ug/L

RT: 12.631 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

Tgt Ion:180 Resp: 268643

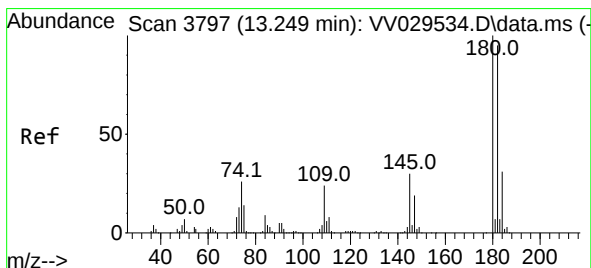
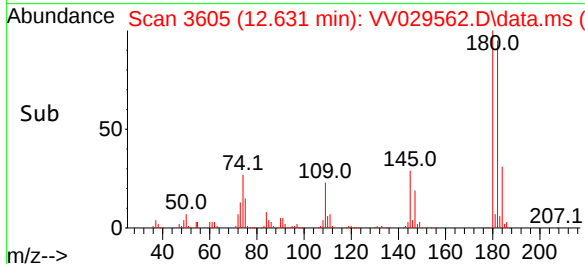
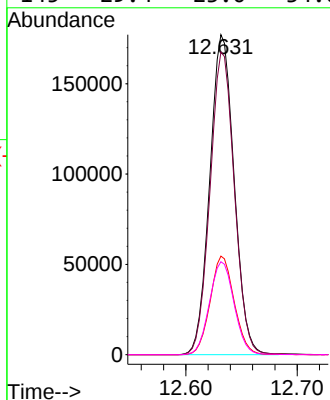
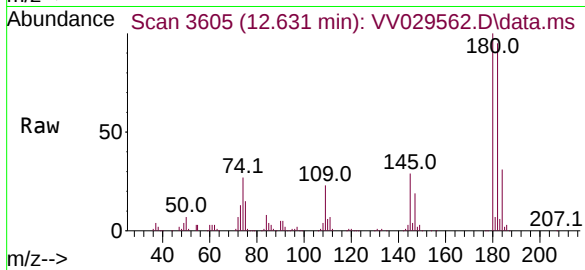
Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

184 30.3 24.6 36.8

145 29.4 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 48.905 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

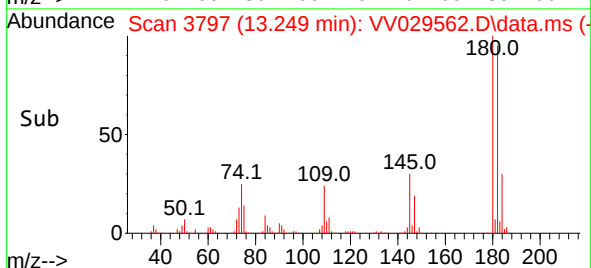
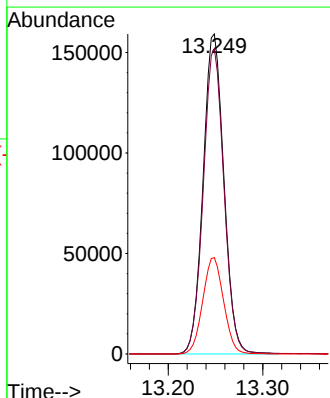
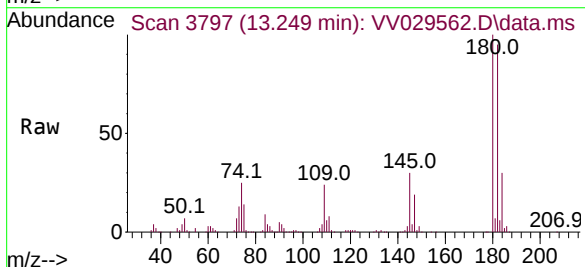
Tgt Ion:180 Resp: 243370

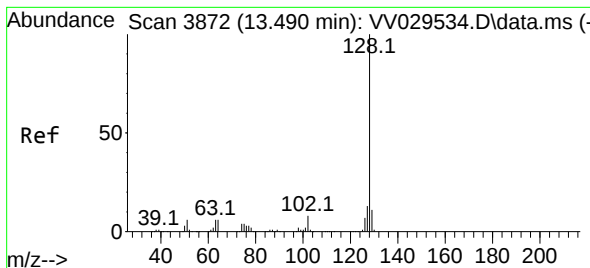
Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

145 30.2 23.7 35.5





#71

Naphthalene

Concen: 49.360 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

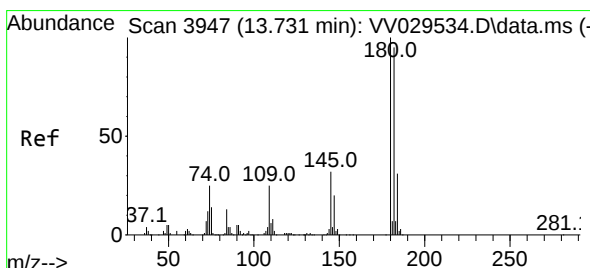
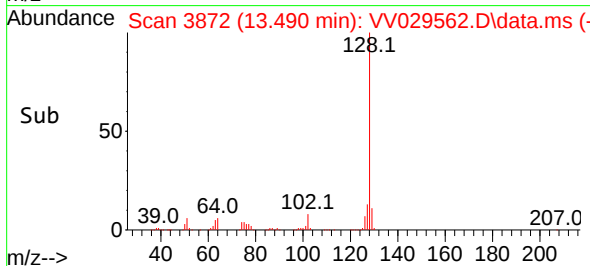
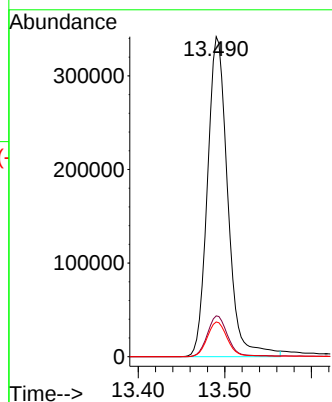
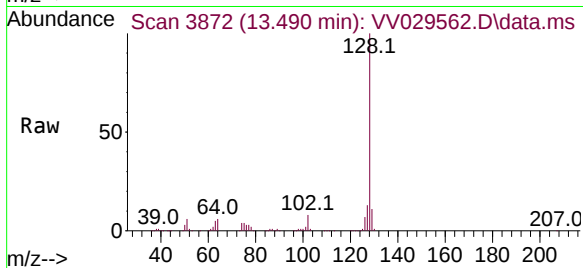
Tgt Ion:128 Resp: 557167

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 50.624 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029562.D

Acq: 10 Dec 2022 07:25

Tgt Ion:180 Resp: 246753

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.5 25.0 37.6

