

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029590.D
 Acq On : 12 Dec 2022 13:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050383

Quant Time: Dec 13 03:32:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	525223	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	485050	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	266456	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	158418	49.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.520%
7) Chloroethane-d5	1.561	69	130757	53.316	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.640%
11) 1,1-Dichloroethene-d2	2.105	63	263033	52.434	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.860%
21) 2-Butanone-d5	3.870	46	210795	107.439	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	4.336	84	296188	48.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.880%
26) 1,2-Dichloroethane-d4	5.021	65	172694	49.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.920%
32) Benzene-d6	5.040	84	627685	48.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.940%
36) 1,2-Dichloropropane-d6	6.060	67	186025	47.517	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.040%
41) Toluene-d8	7.307	98	581670	48.167	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.340%
43) trans-1,3-Dichloroprop...	7.609	79	85143	43.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.140%
47) 2-Hexanone-d5	8.082	63	180038	107.694	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.690%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	260606	46.584	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.160%
66) 1,2-Dichlorobenzene-d4	11.612	152	227451	44.842	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	167689	40.533	ug/L	100
3) Chloromethane	1.240	50	185286	39.281	ug/L	100
5) Vinyl chloride	1.307	62	172331	43.667	ug/L	97
6) Bromomethane	1.520	94	88452	55.702	ug/L	99
8) Chloroethane	1.581	64	108268	49.269	ug/L	99
9) Trichlorofluoromethane	1.748	101	224124	45.366	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	133451	48.613	ug/L	98
12) 1,1-Dichloroethene	2.114	96	130968	46.650	ug/L	89
13) Acetone	2.163	43	159670	124.924	ug/L	97
14) Carbon disulfide	2.291	76	394361	42.207	ug/L	100
15) Methyl Acetate	2.423	43	155844	53.518	ug/L	98
16) Methylene chloride	2.500	84	167408	47.958	ug/L	96
17) trans-1,2-Dichloroethene	2.754	96	150786	46.613	ug/L	94
18) Methyl tert-butyl Ether	2.761	73	498998	50.348	ug/L	99
19) 1,1-Dichloroethane	3.182	63	269568	48.644	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	171988	48.351	ug/L	93
22) 2-Butanone	3.954	43	226399	111.321	ug/L	97
23) Bromochloromethane	4.236	128	89763	49.007	ug/L	96
25) Chloroform	4.365	83	280190	48.770	ug/L	99

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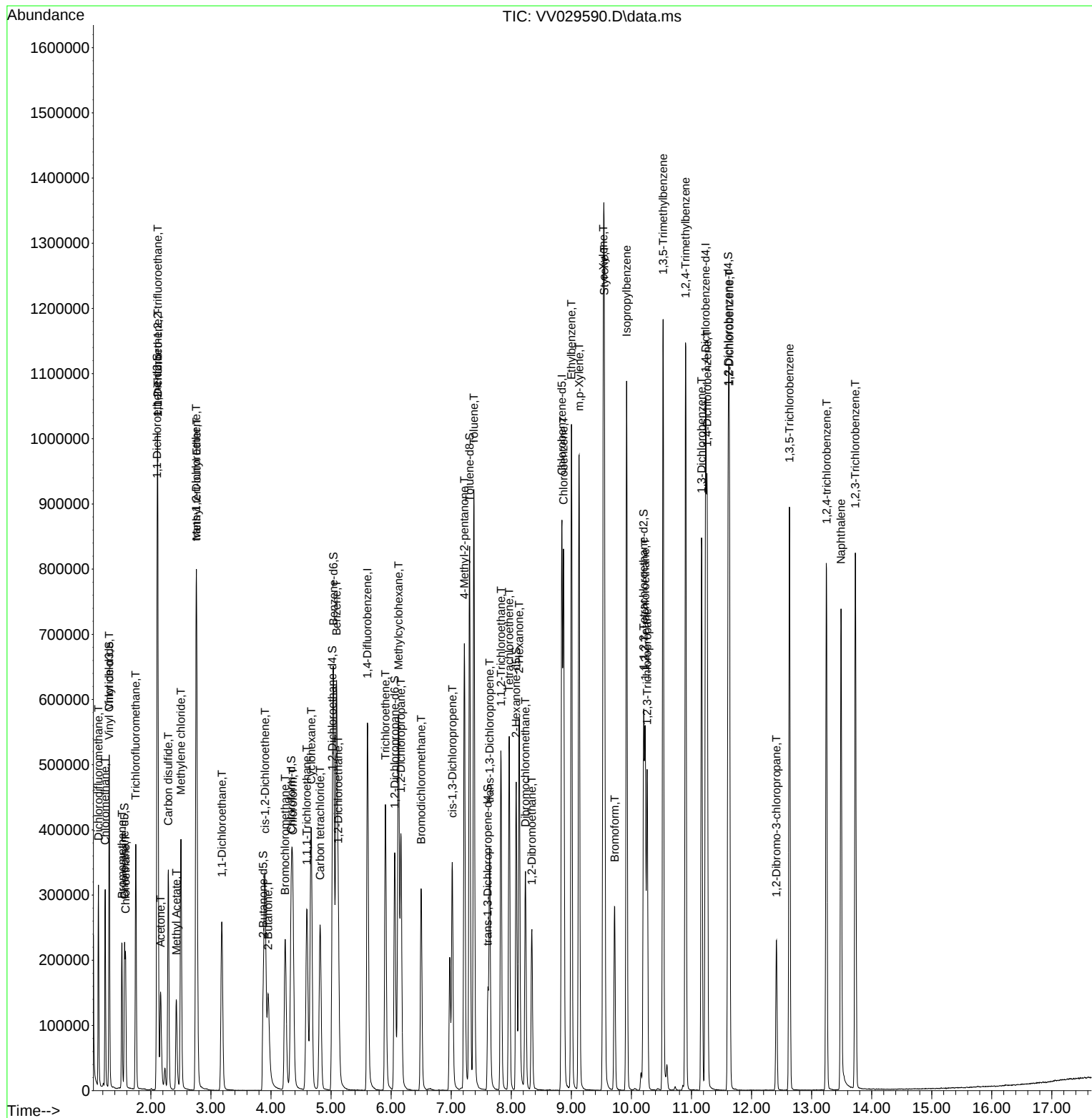
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	204707	50.440	ug/L	100
29) Cyclohexane	4.670	56	232641	44.276	ug/L	99
30) 1,1,1-Trichloroethane	4.597	97	235340	44.533	ug/L	99
31) Carbon tetrachloride	4.818	117	199136	43.152	ug/L	100
33) Benzene	5.092	78	642349	46.982	ug/L	100
34) Trichloroethene	5.905	95	160203	46.760	ug/L	99
35) Methylcyclohexane	6.124	83	260982	44.851	ug/L	98
37) 1,2-Dichloropropane	6.166	63	160396	48.606	ug/L	100
38) Bromodichloromethane	6.500	83	215133	47.226	ug/L	98
39) cis-1,3-Dichloropropene	7.018	75	221682	40.847	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	431550	109.684	ug/L	98
42) Toluene	7.378	91	689462	46.852	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	222715	43.334	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	167509	49.135	ug/L	98
46) Tetrachloroethene	7.966	164	127774	46.387	ug/L	99
48) 2-Hexanone	8.133	43	330655	110.000	ug/L	98
49) Dibromochloromethane	8.236	129	178585	47.446	ug/L	98
50) 1,2-Dibromoethane	8.342	107	166703	47.463	ug/L	99
51) Chlorobenzene	8.870	112	445216	47.778	ug/L	100
52) Ethylbenzene	9.002	91	732278	47.331	ug/L	100
53) m,p-Xylene	9.130	106	288915	47.182	ug/L	100
54) o-Xylene	9.532	106	279577	46.157	ug/L	97
55) Styrene	9.551	104	499384	47.442	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	261088	47.876	ug/L	99
59) Bromoform	9.722	173	129163	43.882	ug/L	99
60) Isopropylbenzene	9.921	105	709019	45.322	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	200447	48.736	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	630668	45.594	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	630307	45.970	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	358620	46.884	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	367744	47.306	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	360751	46.121	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	57052	44.630	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	279348	45.890	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	252791	46.700	ug/L	99
71) Naphthalene	13.490	128	620649	50.549	ug/L #	86
72) 1,2,3-Trichlorobenzene	13.728	180	253376	47.790	ug/L	100

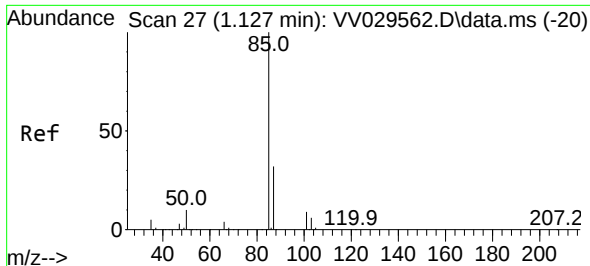
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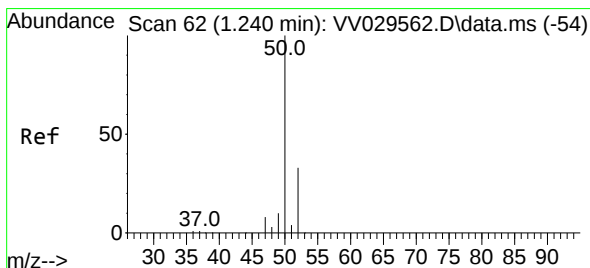
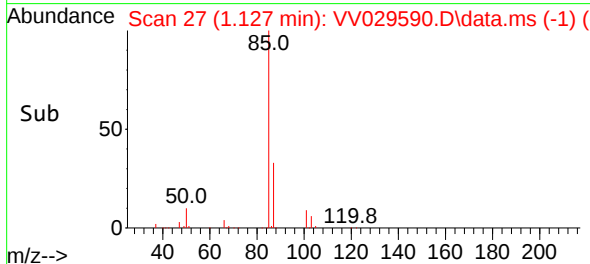
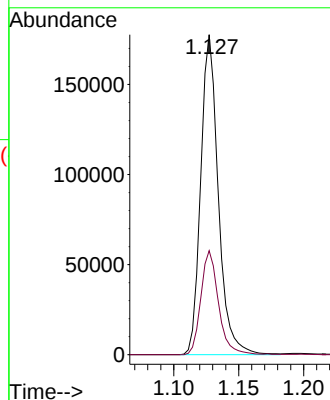
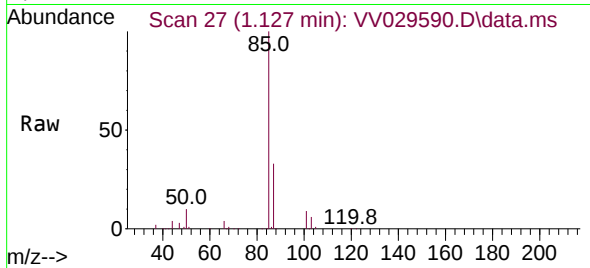




#2
 Dichlorodifluoromethane
 Concen: 40.533 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

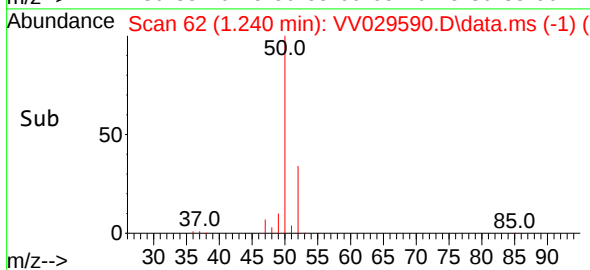
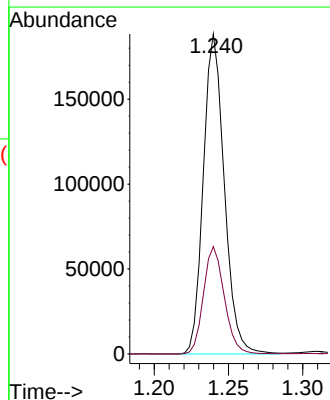
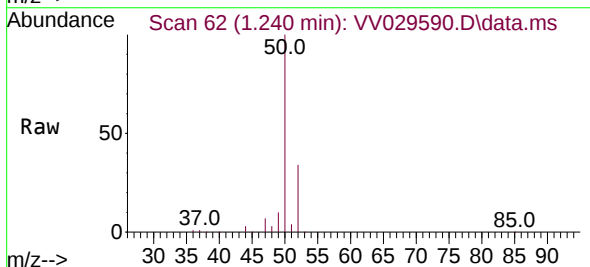
Instrument :
 MSVOA_V
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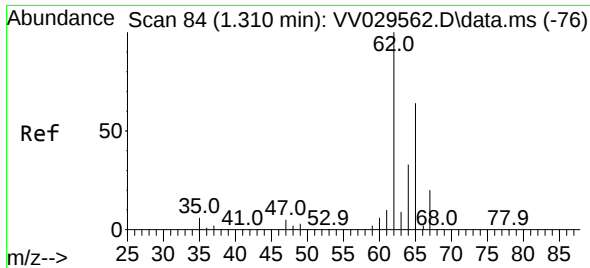
Tgt Ion: 85 Resp: 167689
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 39.281 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

Tgt Ion: 50 Resp: 185286
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.3 43.3

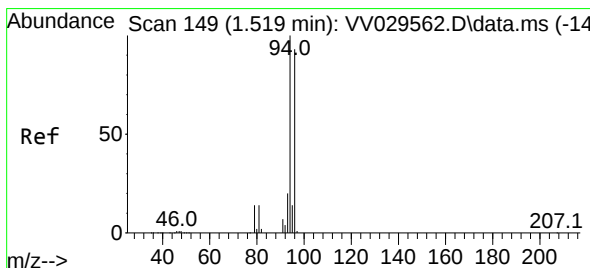
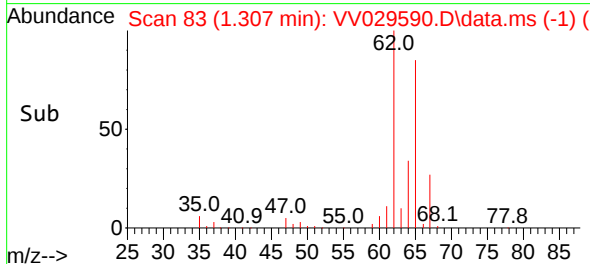
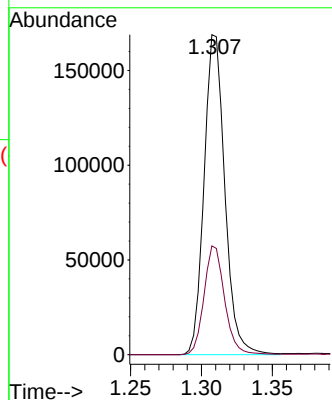
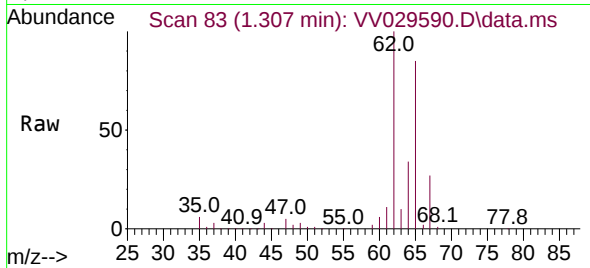




#5
 Vinyl chloride
 Concen: 43.667 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

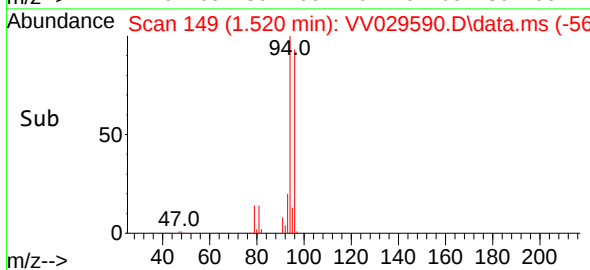
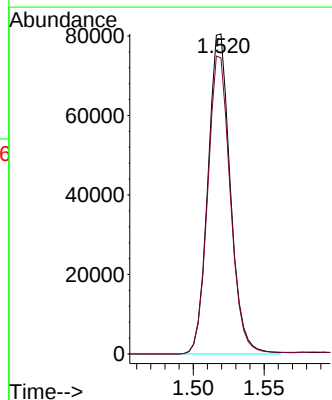
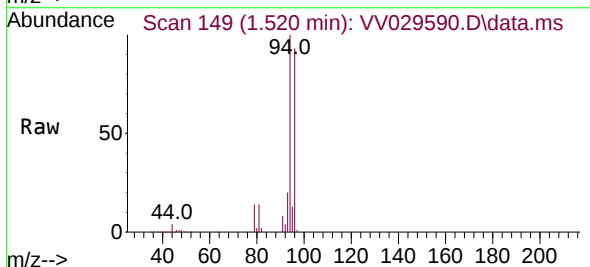
Instrument :
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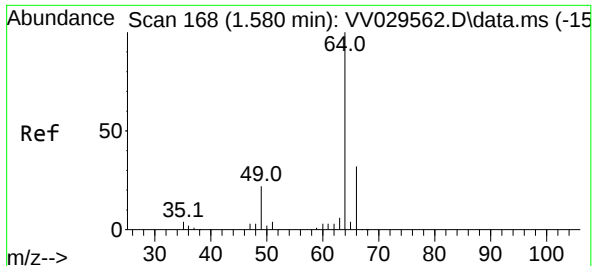
Tgt Ion: 62 Resp: 172331
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.5 41.9



#6
 Bromomethane
 Concen: 55.702 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.001 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

Tgt Ion: 94 Resp: 88452
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.1 120.9

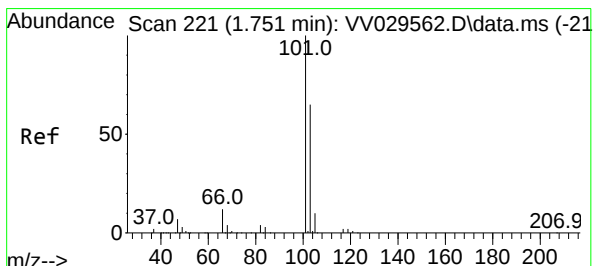
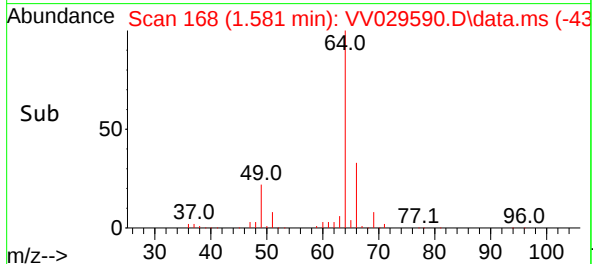
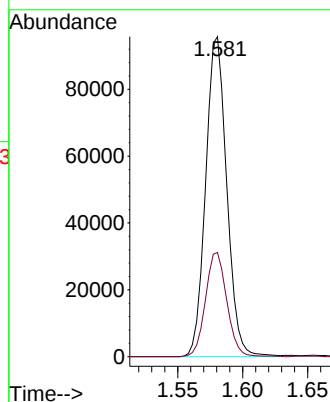
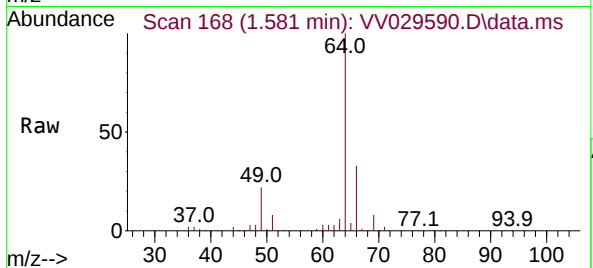




#8
Chloroethane
Concen: 49.269 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.001 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

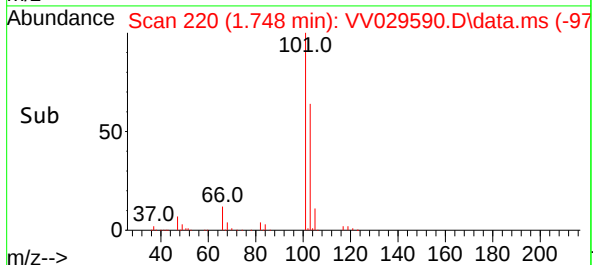
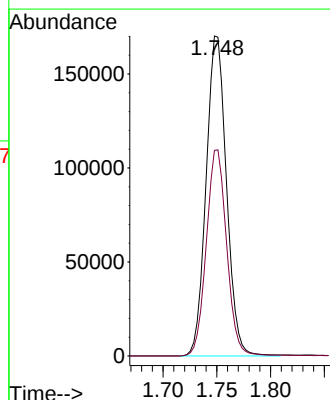
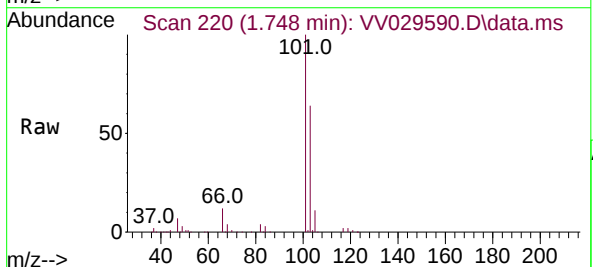
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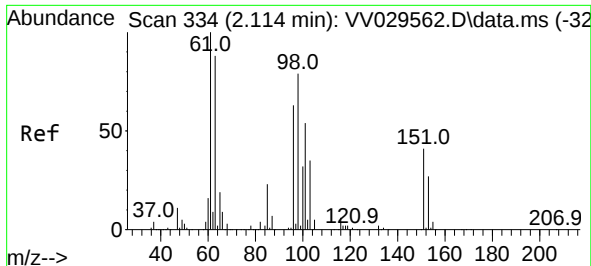
Tgt Ion: 64 Resp: 108268
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 45.366 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion:101 Resp: 224124
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

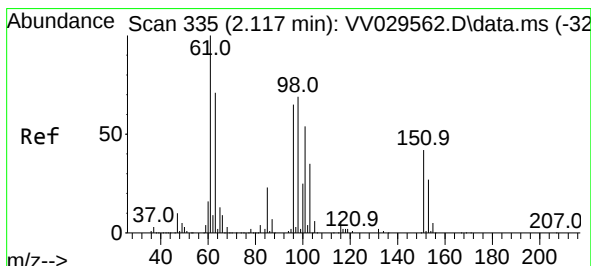
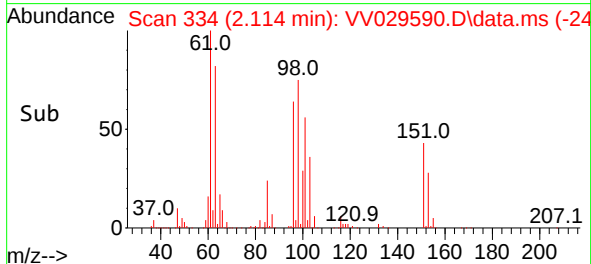
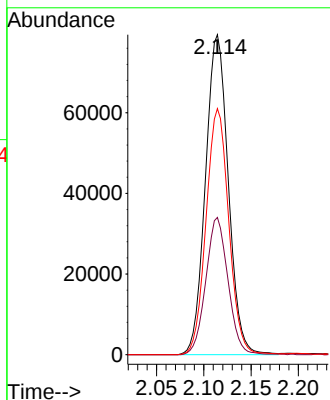
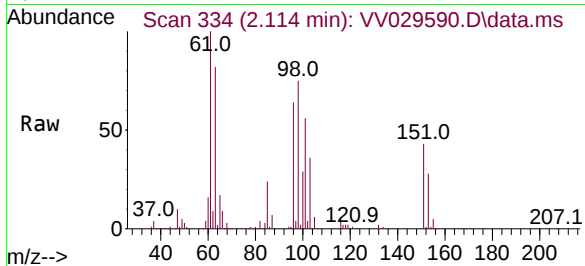




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.613 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

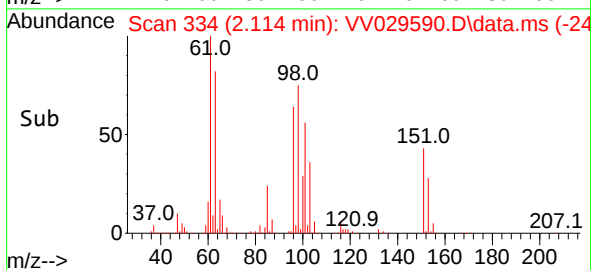
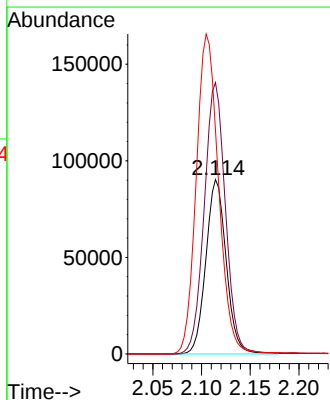
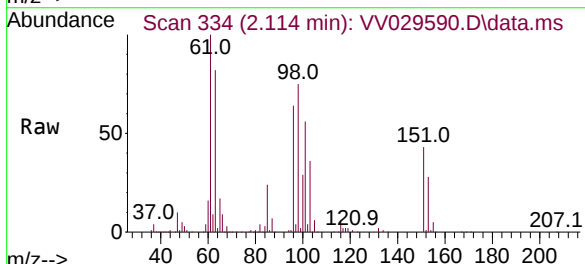
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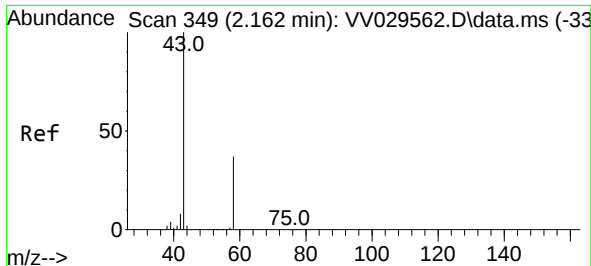
Tgt Ion:101 Resp: 133451
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.6 50.4
 151 76.4 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 46.650 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV029590.D
 Acq: 12 Dec 2022 13:06

Tgt Ion: 96 Resp: 130968
 Ion Ratio Lower Upper
 96 100
 61 155.5 103.3 191.9
 63 128.2 77.3 143.7





#13

Acetone

Concen: 124.924 ug/L

RT: 2.163 min Scan# 349

Delta R.T. 0.001 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

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ClientSampleId :

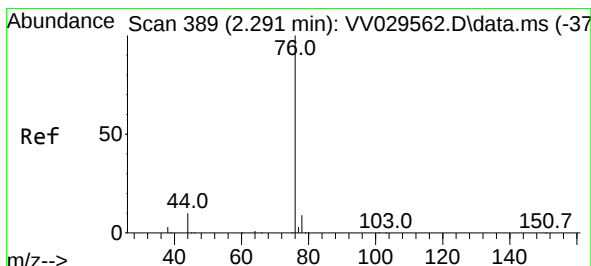
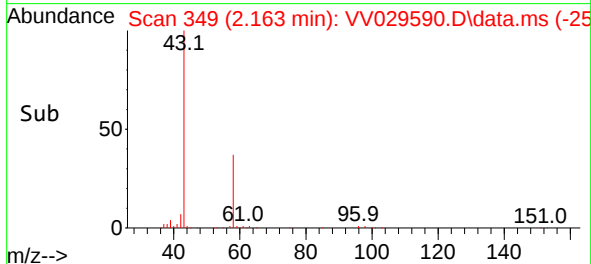
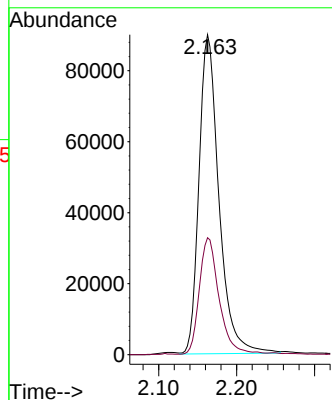
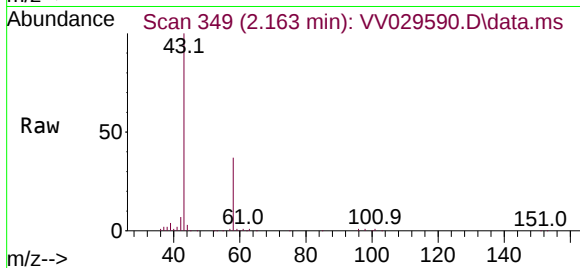
VSTD050383

Tgt Ion: 43 Resp: 159670

Ion Ratio Lower Upper

43 100

58 35.9 0.0 74.8



#14

Carbon disulfide

Concen: 42.207 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029590.D

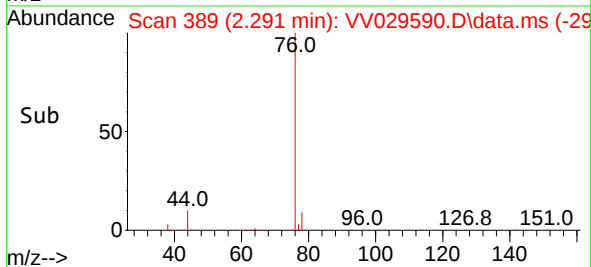
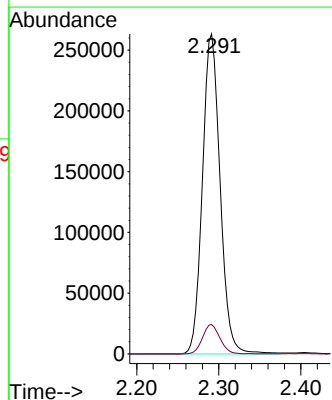
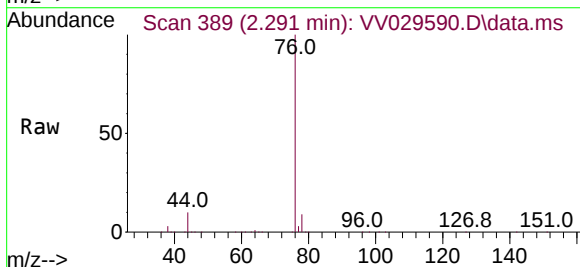
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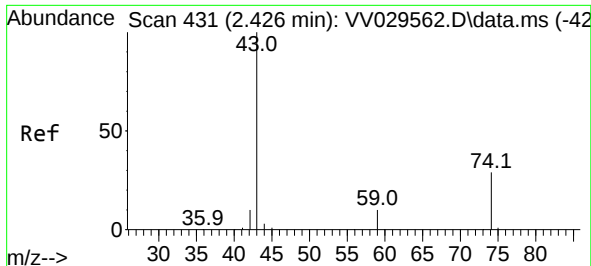
Tgt Ion: 76 Resp: 394361

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

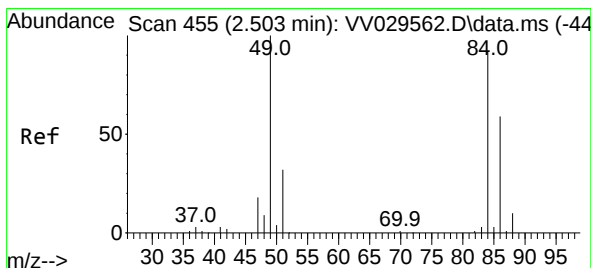
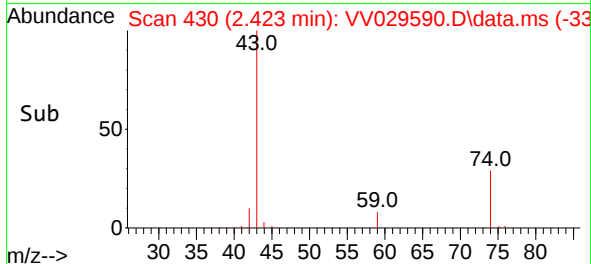
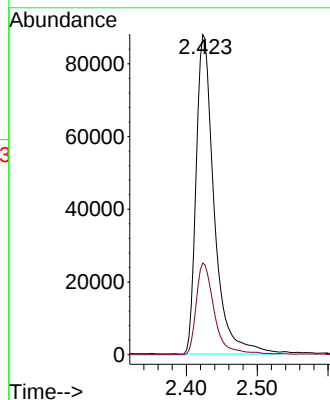
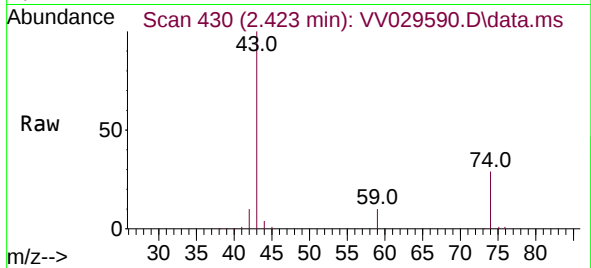




#15
Methyl Acetate
Concen: 53.518 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

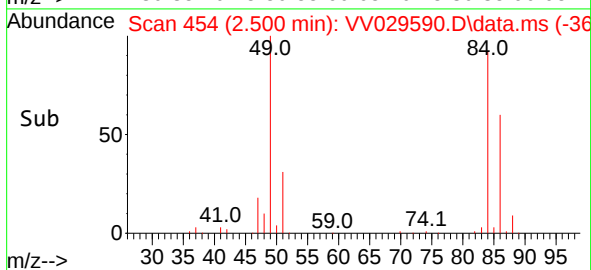
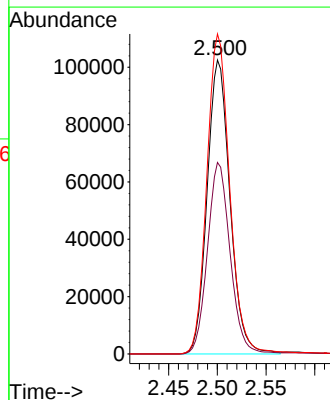
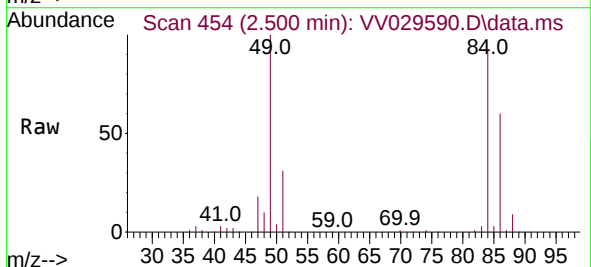
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

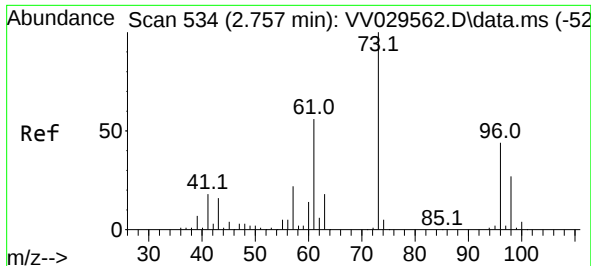
Tgt Ion: 43 Resp: 155844
Ion Ratio Lower Upper
43 100
74 28.3 23.5 35.3



#16
Methylene chloride
Concen: 47.958 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 84 Resp: 167408
Ion Ratio Lower Upper
84 100
86 65.2 46.0 85.4
49 108.9 72.2 134.0

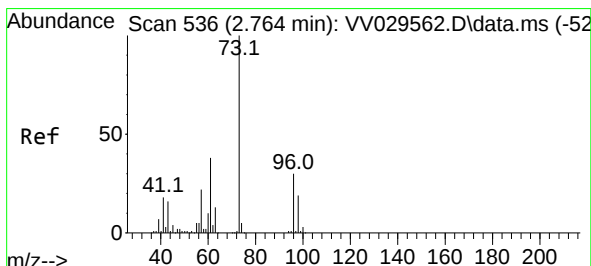
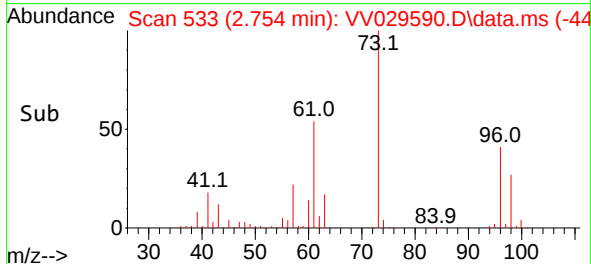
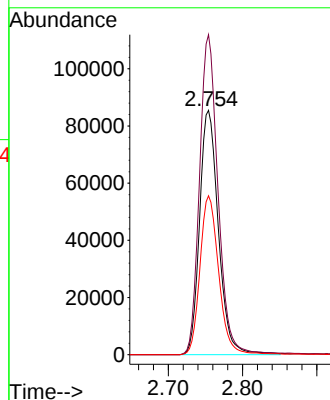
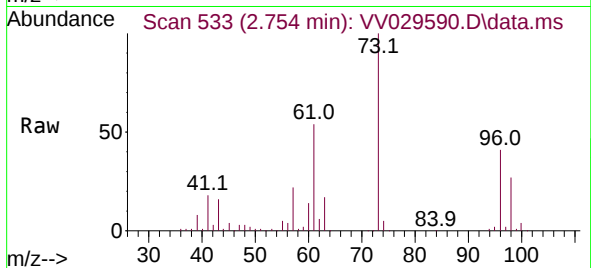




#17
trans-1,2-Dichloroethene
Concen: 46.613 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

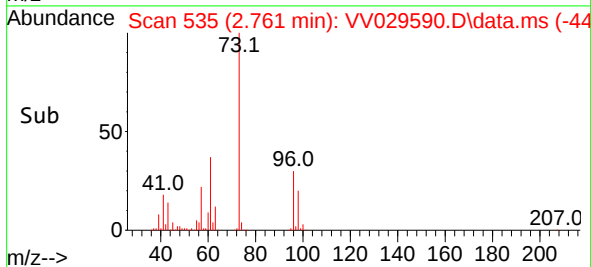
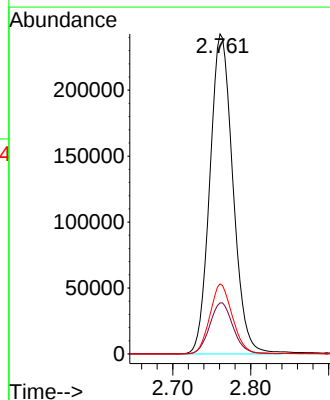
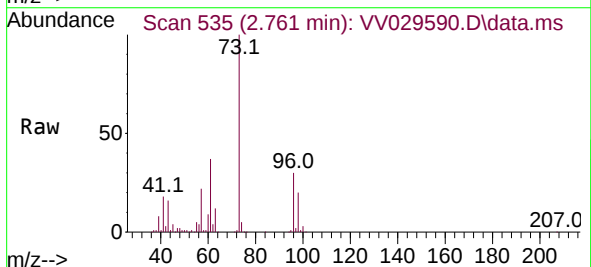
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

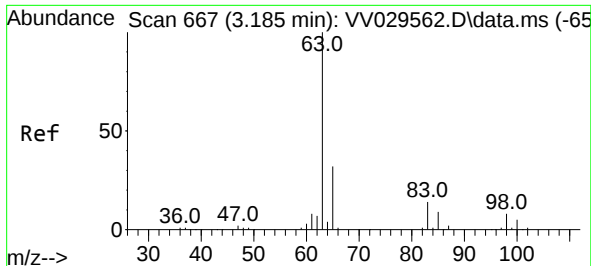
Tgt Ion: 96 Resp: 150786
Ion Ratio Lower Upper
96 100
61 131.0 86.4 160.4
98 65.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 50.348 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 73 Resp: 498998
Ion Ratio Lower Upper
73 100
43 16.1 12.7 19.1
57 21.5 16.7 25.1





#19

1,1-Dichloroethane

Concen: 48.644 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

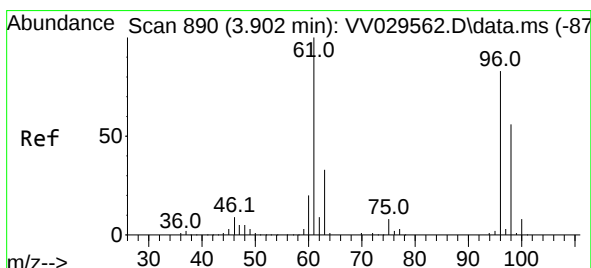
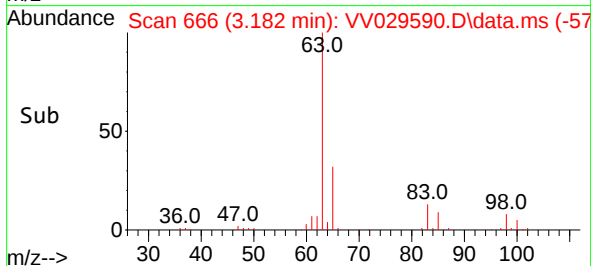
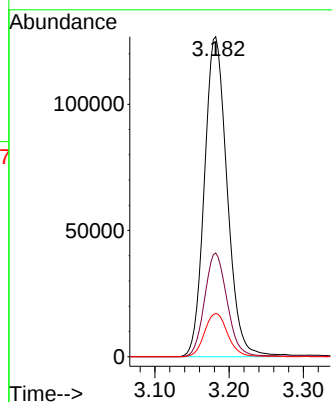
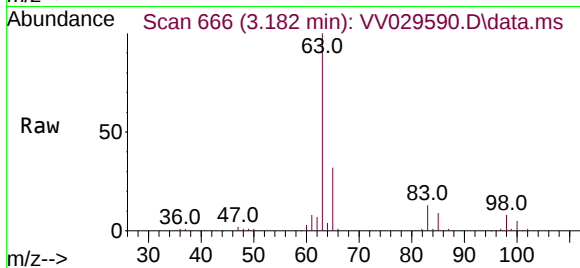
Tgt Ion: 63 Resp: 269568

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

83 13.5 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 48.351 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

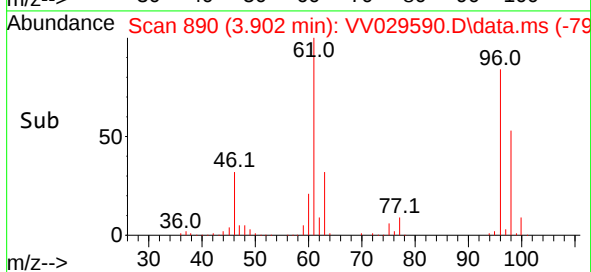
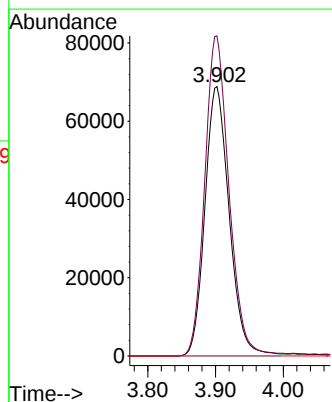
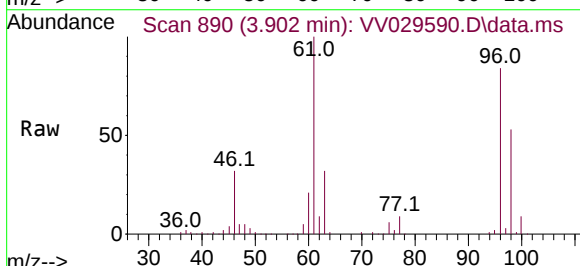
Tgt Ion: 96 Resp: 171988

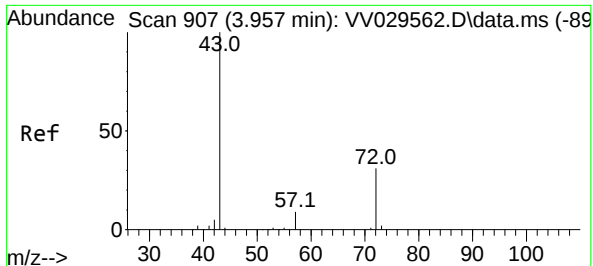
Ion Ratio Lower Upper

96 100

61 118.8 78.0 144.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.321 ug/L

RT: 3.954 min Scan# 907

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

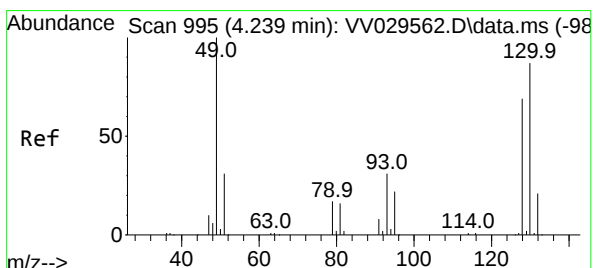
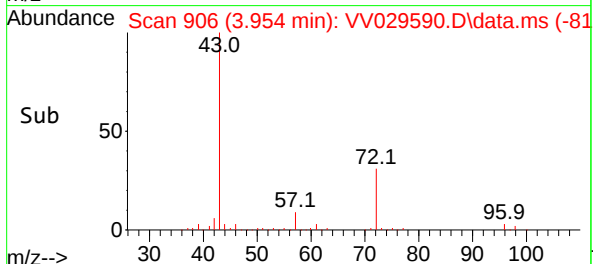
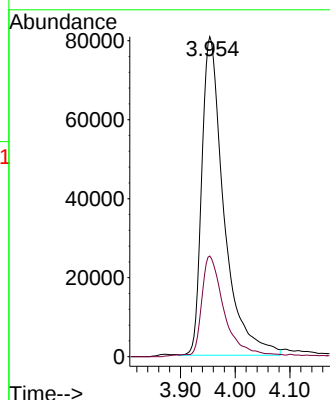
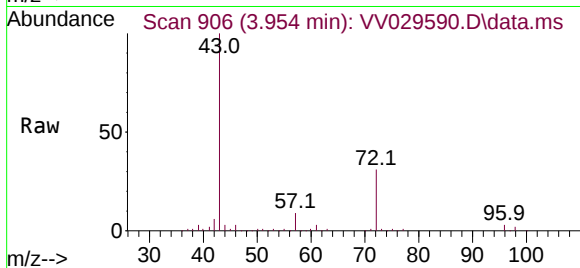
VSTD050383

Tgt Ion: 43 Resp: 226399

Ion Ratio Lower Upper

43 100

72 30.3 15.9 47.6



#23

Bromochloromethane

Concen: 49.007 ug/L

RT: 4.236 min Scan# 994

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Tgt Ion:128 Resp: 89763

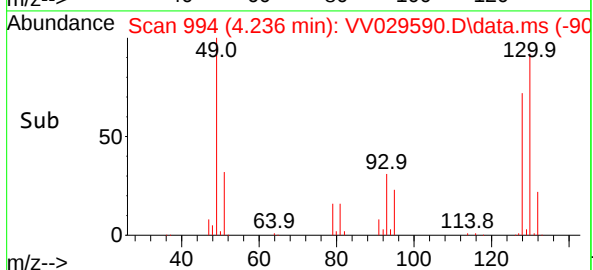
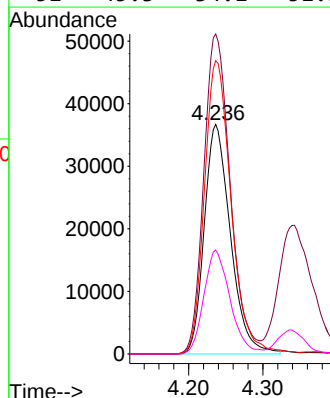
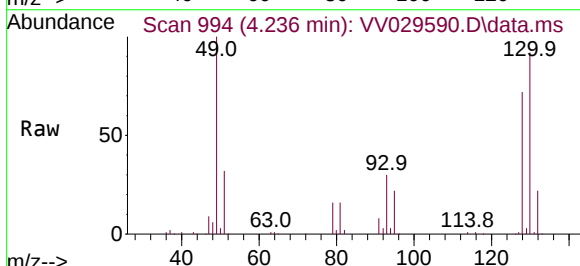
Ion Ratio Lower Upper

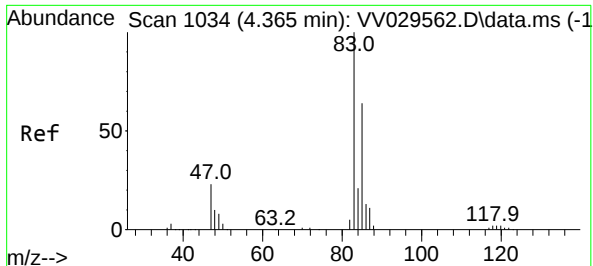
128 100

49 139.4 92.2 171.2

130 127.8 88.3 164.1

51 45.3 34.1 51.1

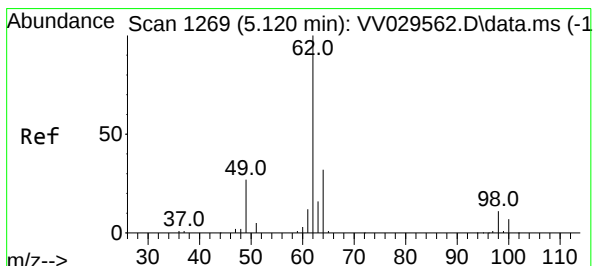
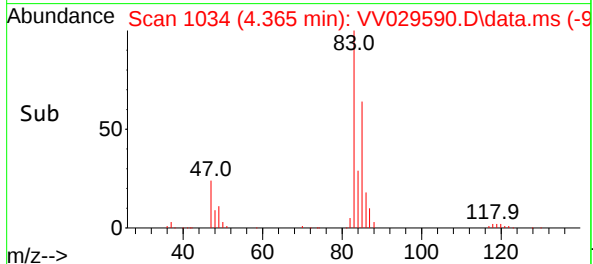
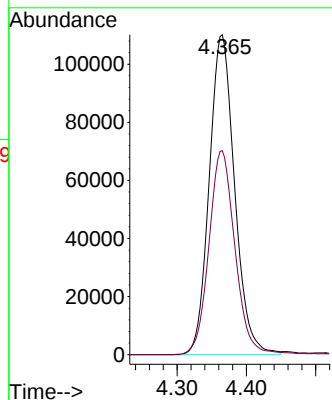
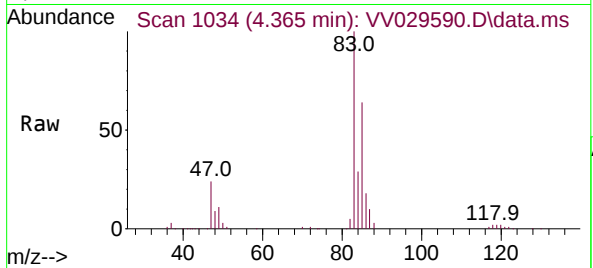




#25
Chloroform
Concen: 48.770 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

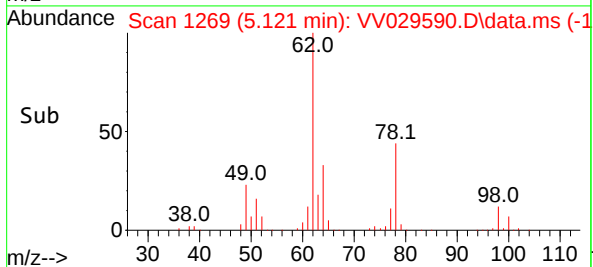
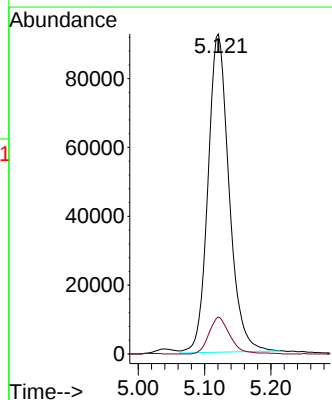
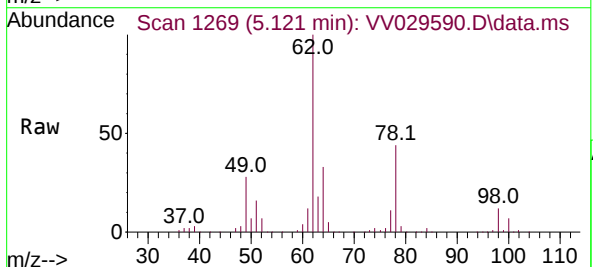
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

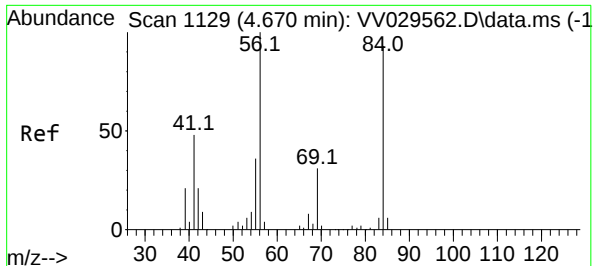
Tgt Ion: 83 Resp: 280190
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.440 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.001 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 62 Resp: 204707
Ion Ratio Lower Upper
62 100
98 11.5 9.4 14.0





#29

Cyclohexane

Concen: 44.276 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

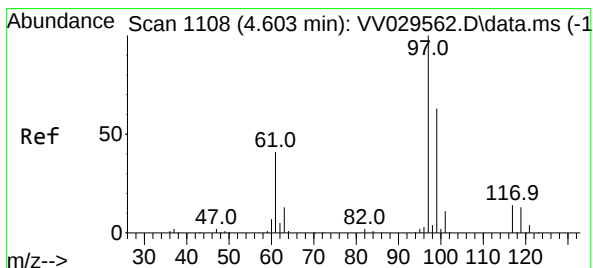
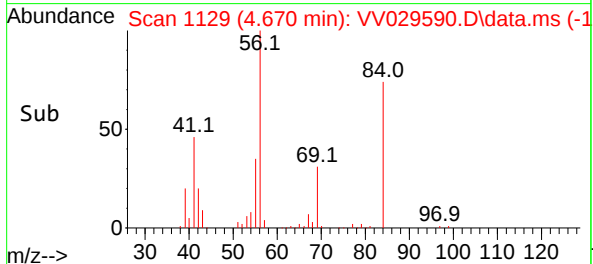
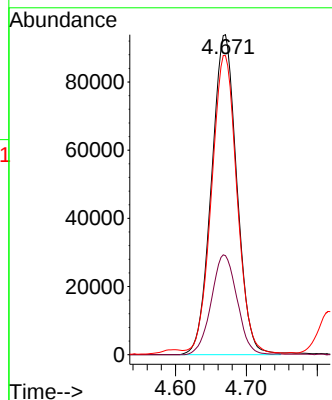
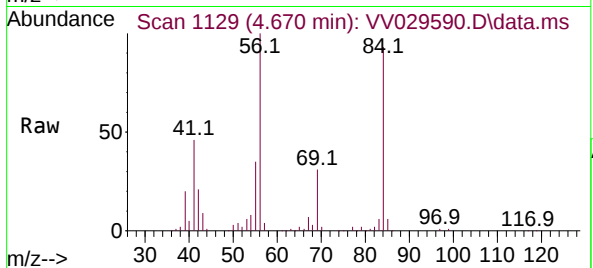
Tgt Ion: 56 Resp: 232641

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.8

84 94.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 44.533 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

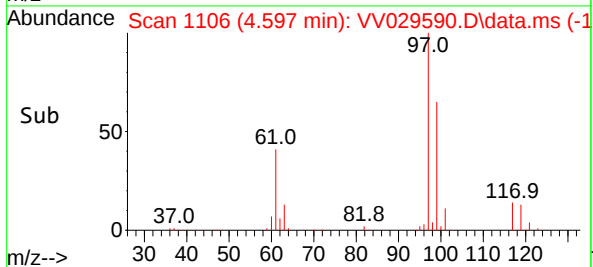
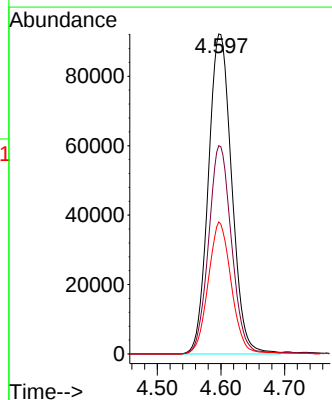
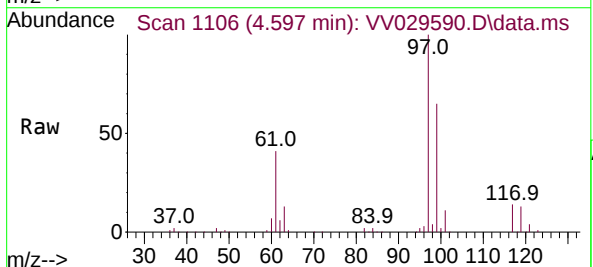
Tgt Ion: 97 Resp: 235340

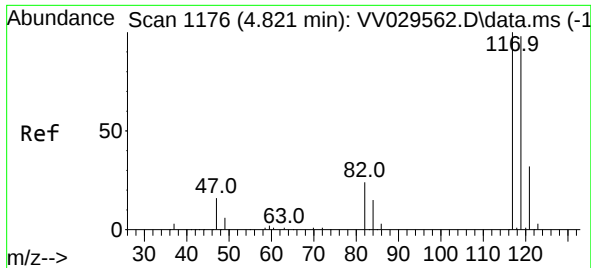
Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

61 40.6 31.8 47.8

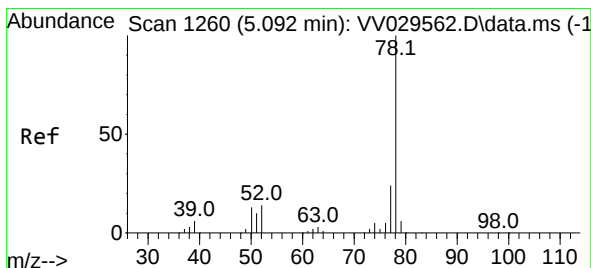
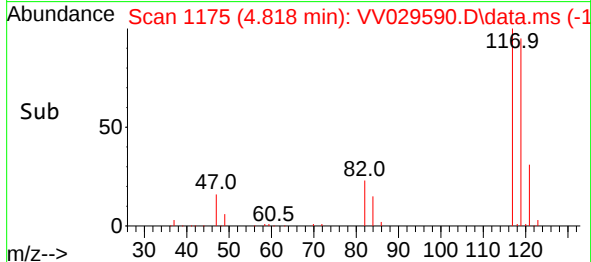
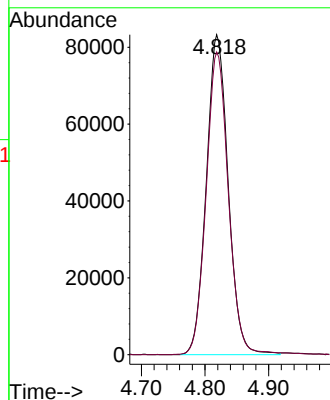
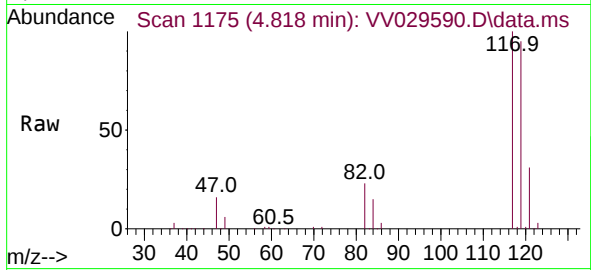




#31
Carbon tetrachloride
Concen: 43.152 ug/L
RT: 4.818 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

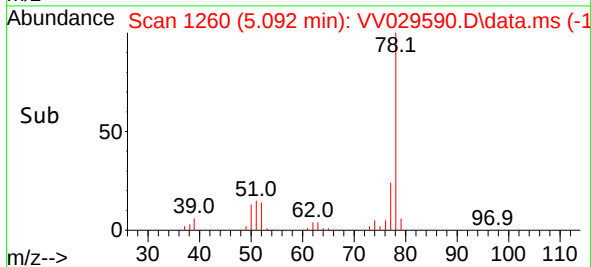
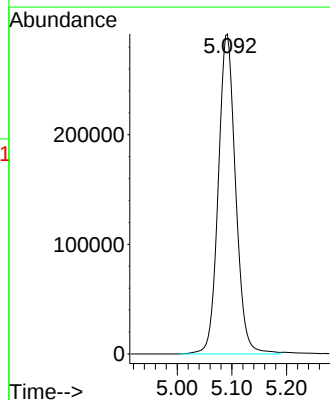
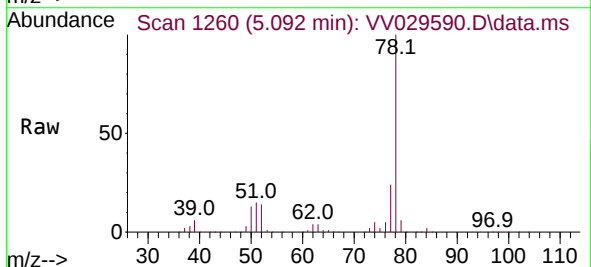
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

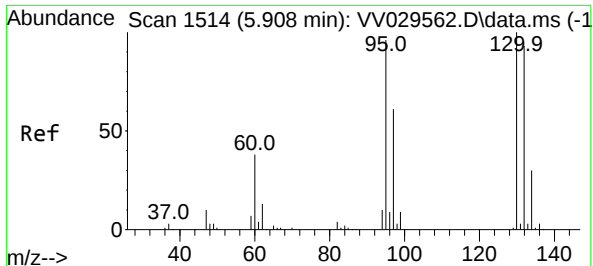
Tgt Ion:117 Resp: 199136
Ion Ratio Lower Upper
117 100
119 95.7 76.7 115.1



#33
Benzene
Concen: 46.982 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 78 Resp: 642349



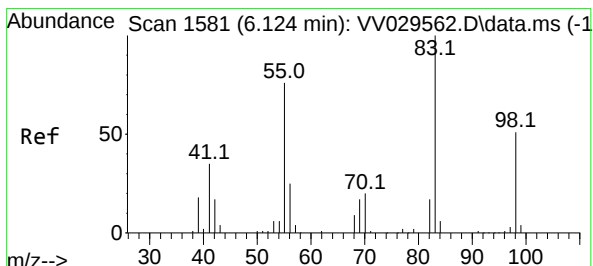
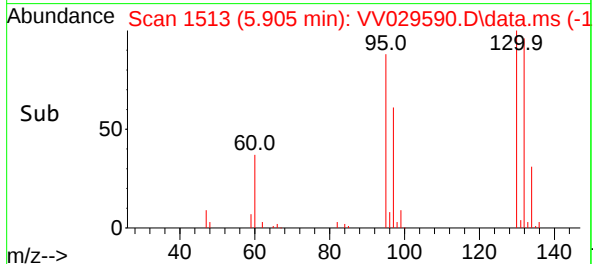
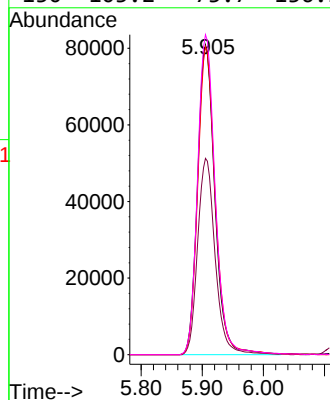
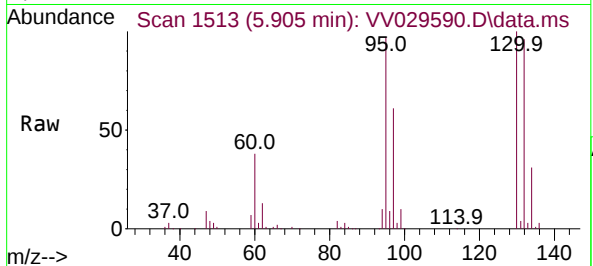


#34
Trichloroethene
Concen: 46.760 ug/L
RT: 5.905 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 95 Resp: 160203

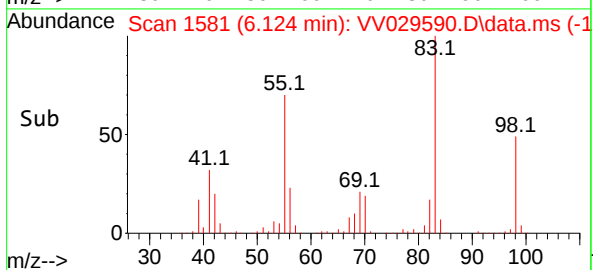
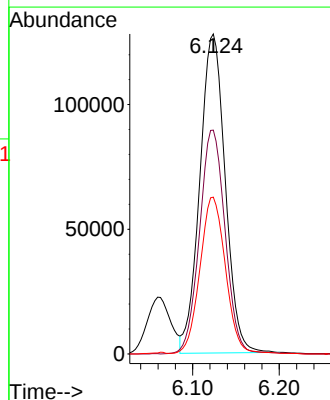
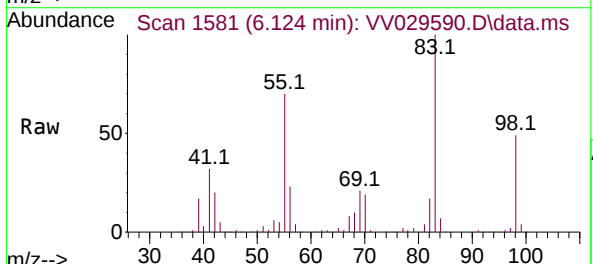
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.0	81.8
132	99.4	69.9	129.9
130	103.2	73.7	136.9

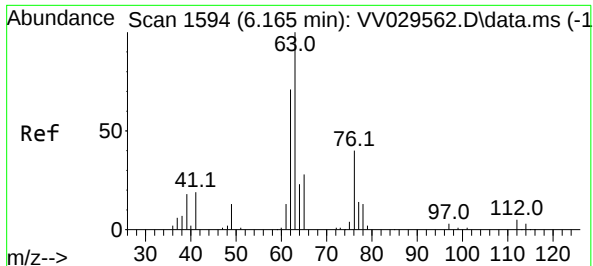


#35
Methylcyclohexane
Concen: 44.851 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 83 Resp: 260982

Ion	Ratio	Lower	Upper
83	100		
55	71.1	55.5	83.3
98	49.3	39.8	59.8





#37

1,2-Dichloropropane

Concen: 48.606 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.001 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

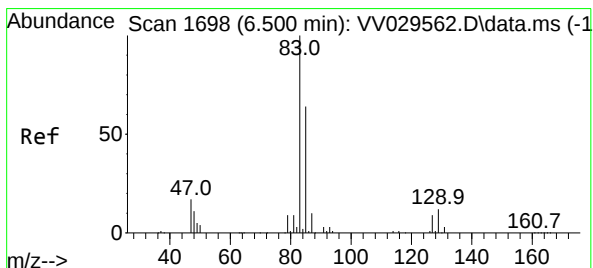
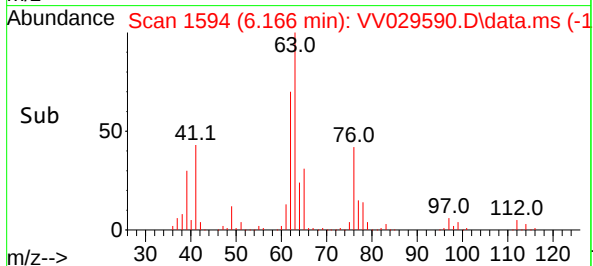
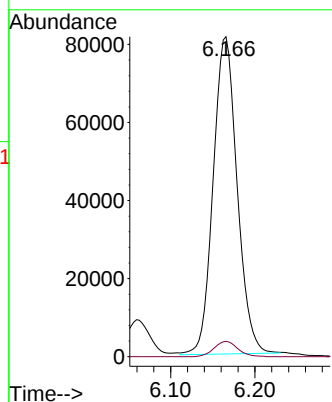
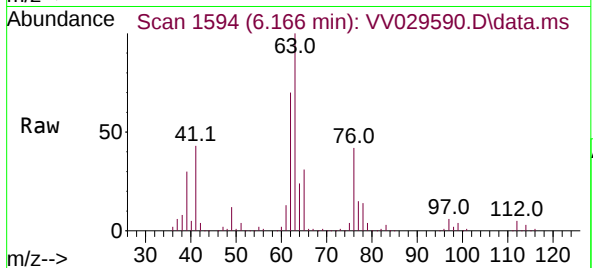
VSTD050383

Tgt Ion: 63 Resp: 160396

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 47.226 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

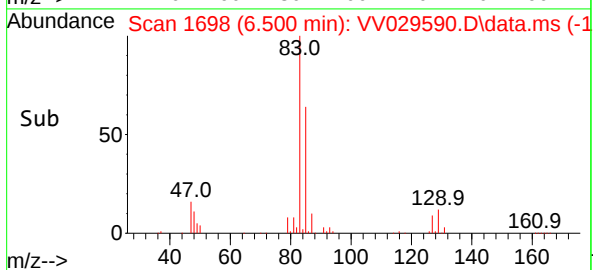
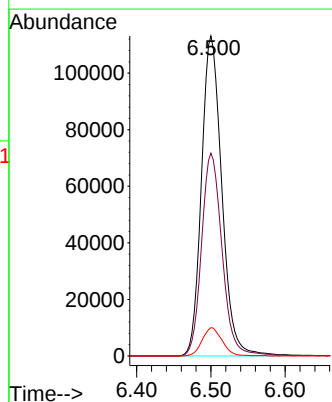
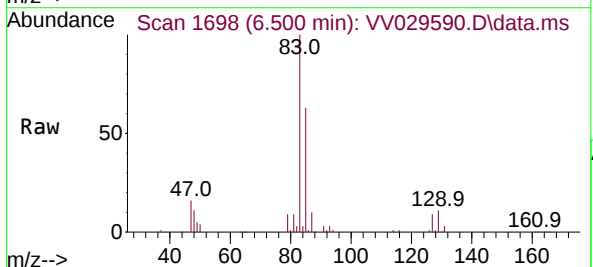
Tgt Ion: 83 Resp: 215133

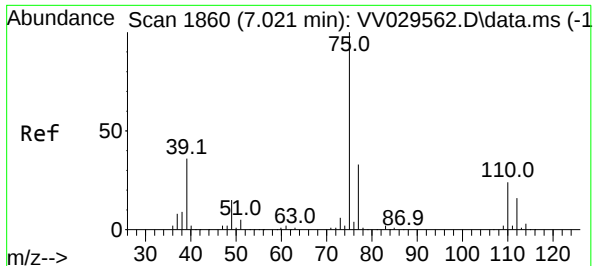
Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1

127 8.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 40.847 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

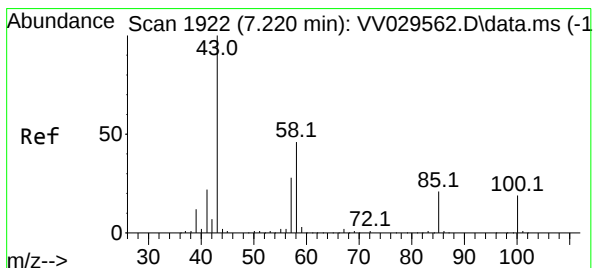
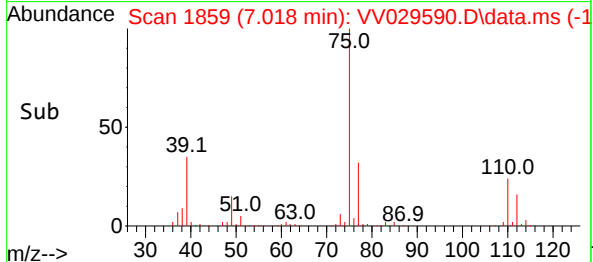
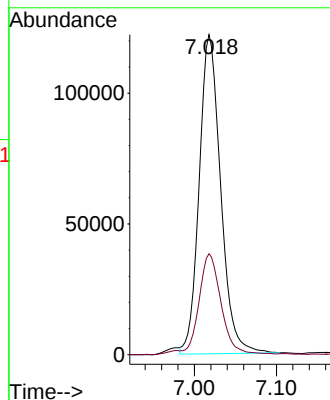
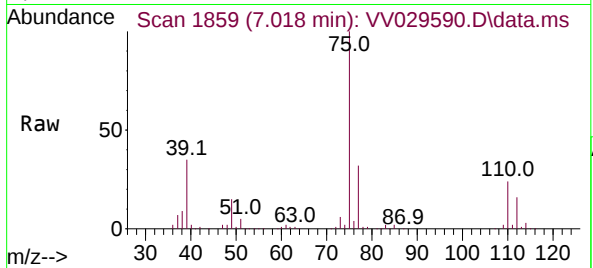
VSTD050383

Tgt Ion: 75 Resp: 221682

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 109.684 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

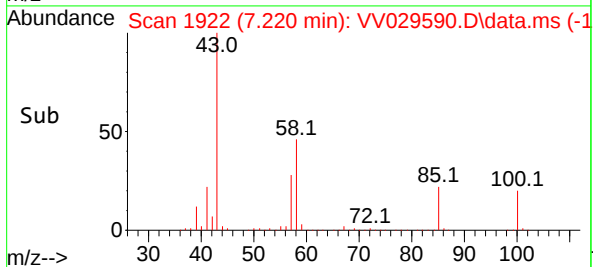
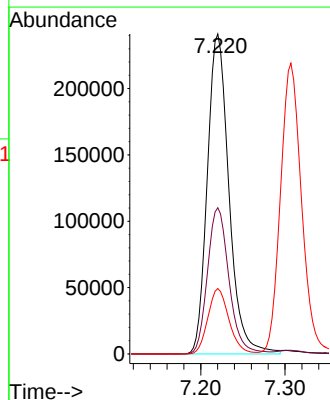
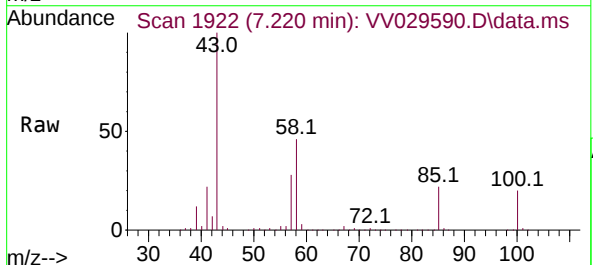
Tgt Ion: 43 Resp: 431550

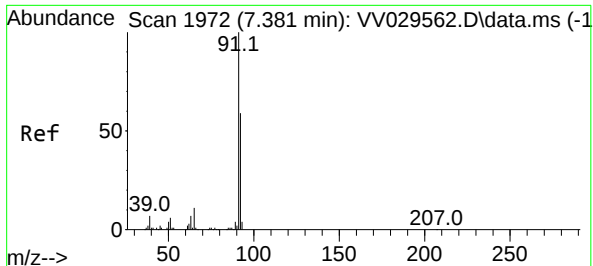
Ion Ratio Lower Upper

43 100

58 45.5 37.5 56.3

100 19.9 16.7 25.1





#42

Toluene

Concen: 46.852 ug/L

RT: 7.378 min Scan# 1972

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

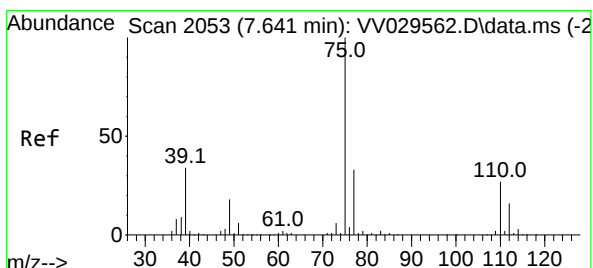
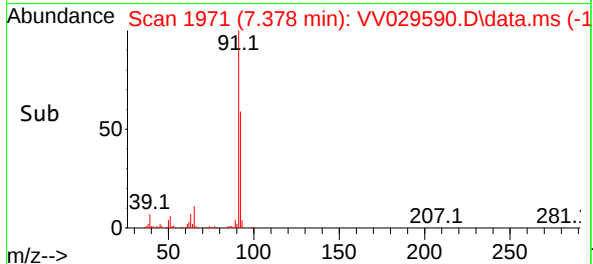
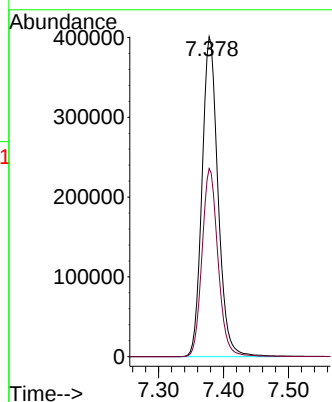
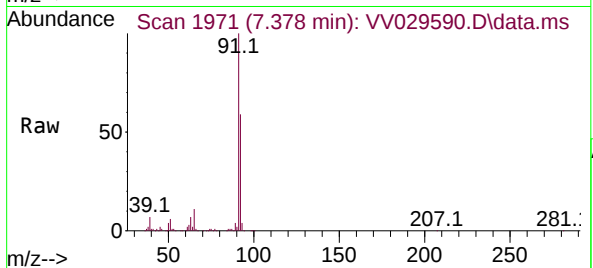
VSTD050383

Tgt Ion: 91 Resp: 689462

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 43.334 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV029590.D

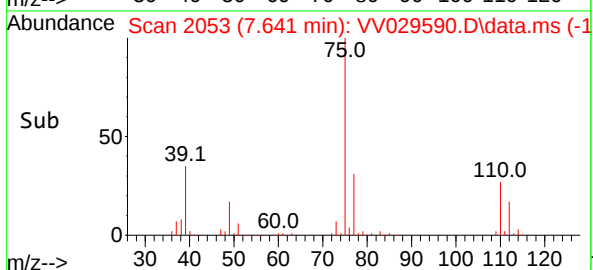
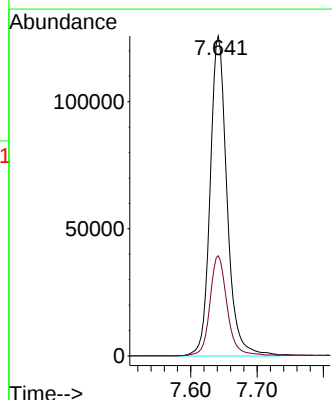
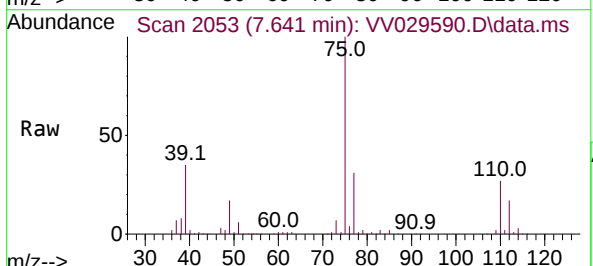
Acq: 12 Dec 2022 13:06

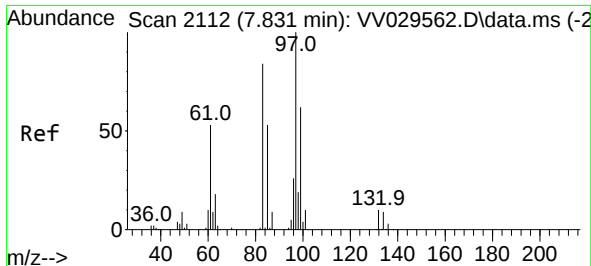
Tgt Ion: 75 Resp: 222715

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



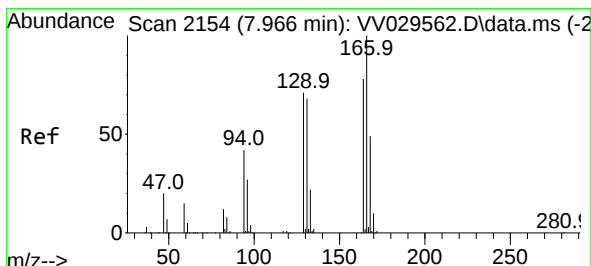
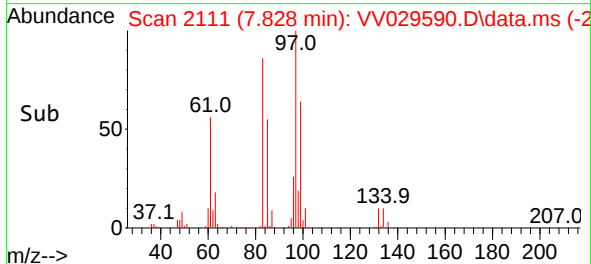
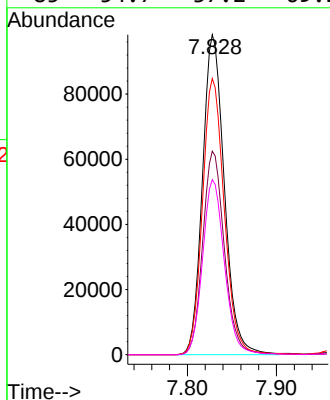
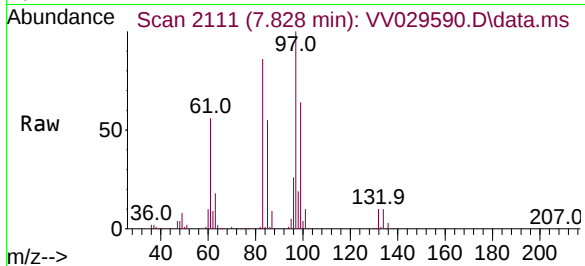


#45
1,1,2-Trichloroethane
Concen: 49.135 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 97 Resp: 167509

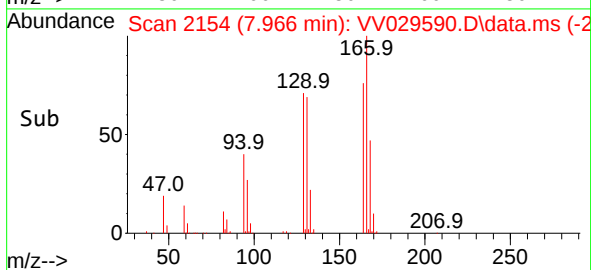
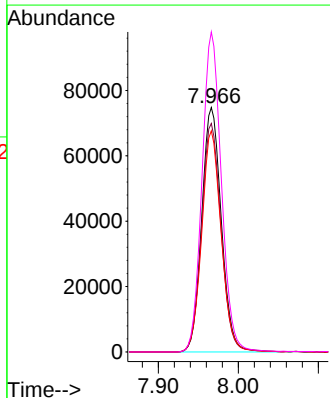
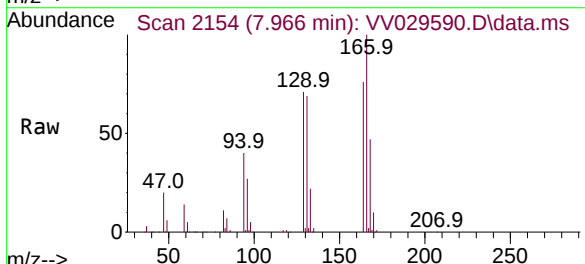
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	81.3
83	86.3	58.6	108.8
85	54.7	37.2	69.2

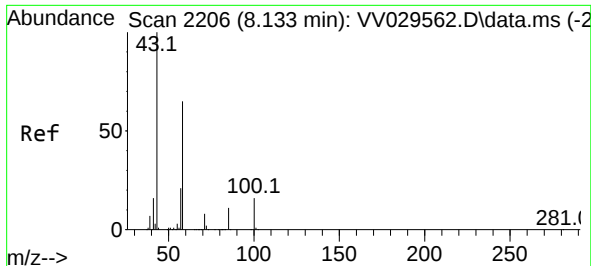


#46
Tetrachloroethene
Concen: 46.387 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 164 Resp: 127774

Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.3	121.3
131	90.4	63.1	117.1
166	130.9	90.8	168.6



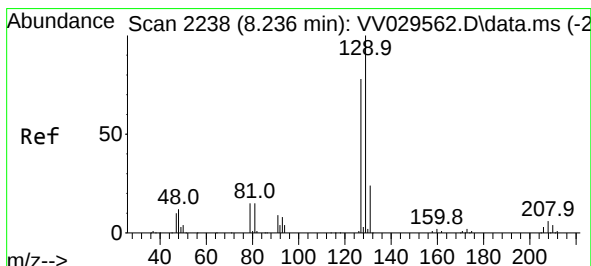
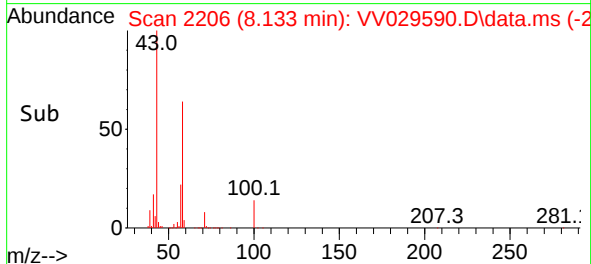
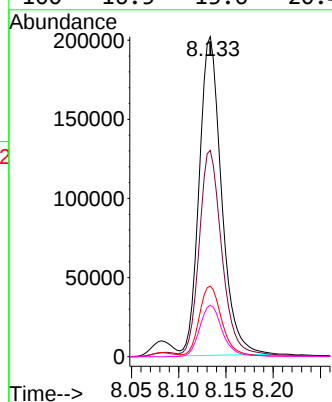
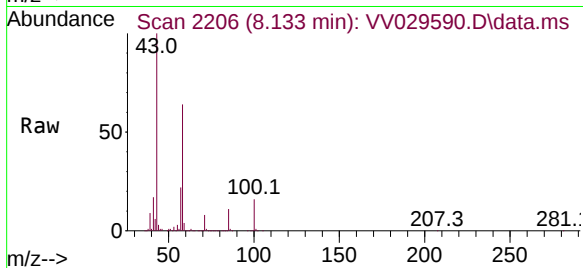


#48
2-Hexanone
Concen: 110.000 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion: 43 Resp: 330655

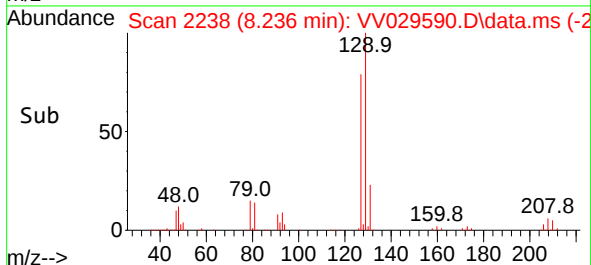
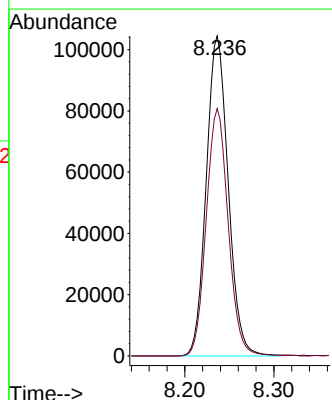
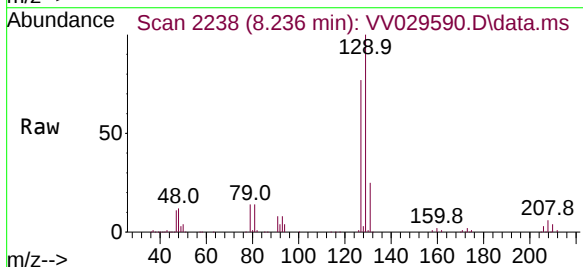
Ion	Ratio	Lower	Upper
43	100		
58	66.1	54.1	81.1
57	22.7	17.4	26.0
100	16.5	13.6	20.4

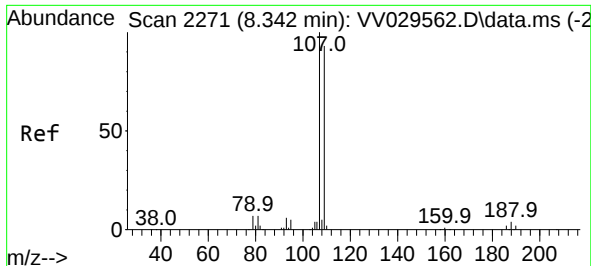


#49
Dibromochloromethane
Concen: 47.446 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 129 Resp: 178585

Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.2	102.4





#50

1,2-Dibromoethane

Concen: 47.463 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

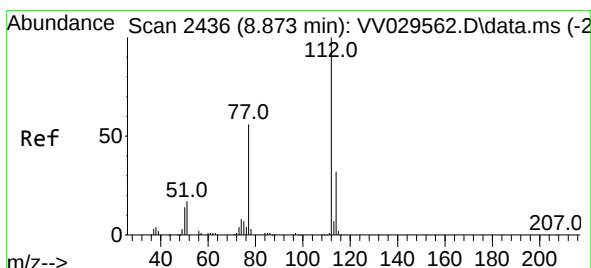
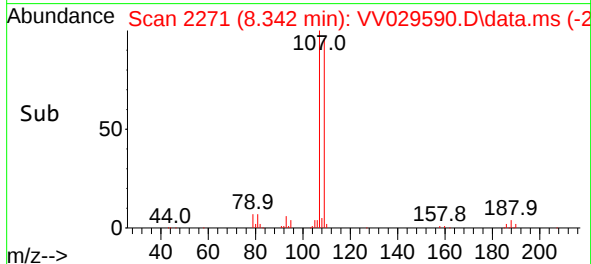
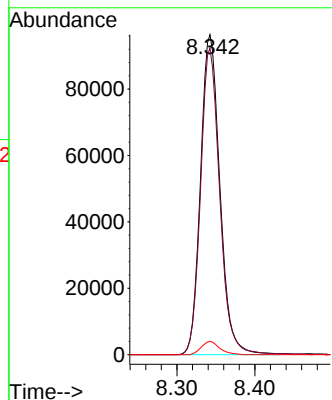
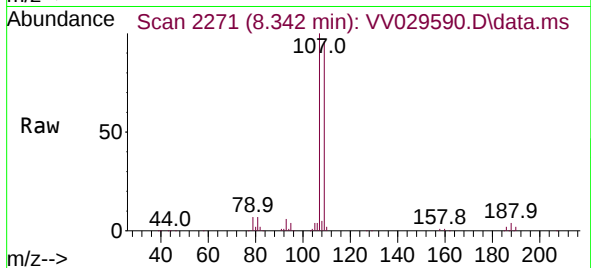
Tgt Ion:107 Resp: 166703

Ion Ratio Lower Upper

107 100

109 95.7 66.0 122.6

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 47.778 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

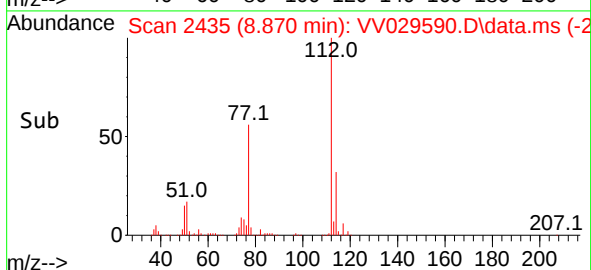
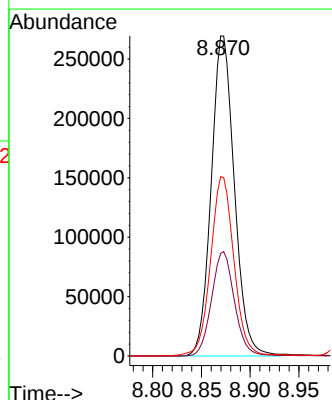
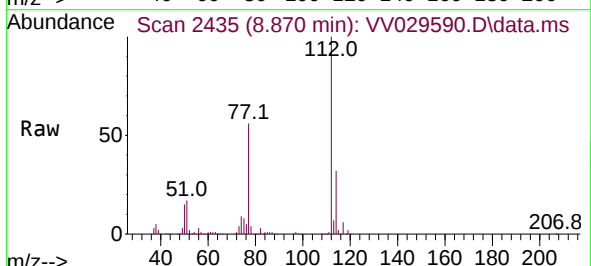
Tgt Ion:112 Resp: 445216

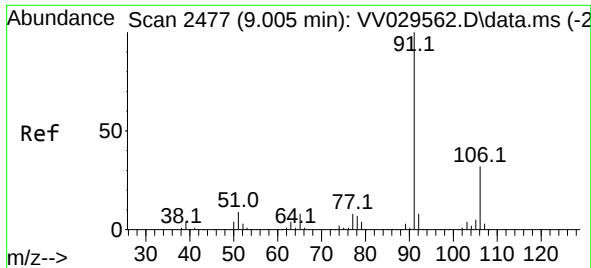
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 56.0 45.0 67.4

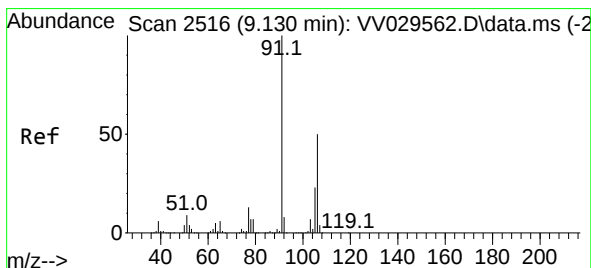
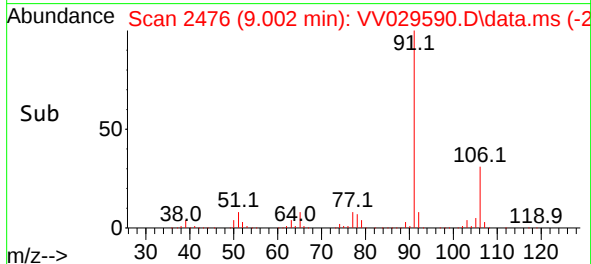
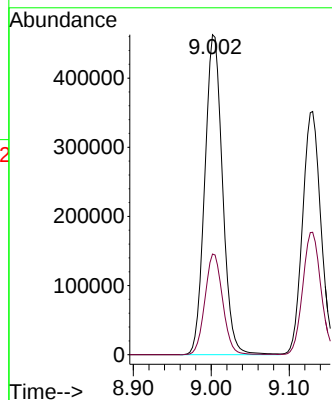
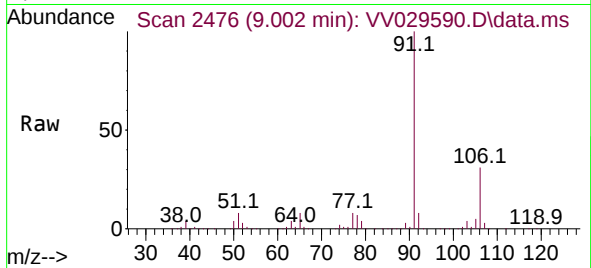




#52
Ethylbenzene
Concen: 47.331 ug/L
RT: 9.002 min Scan# 2477
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

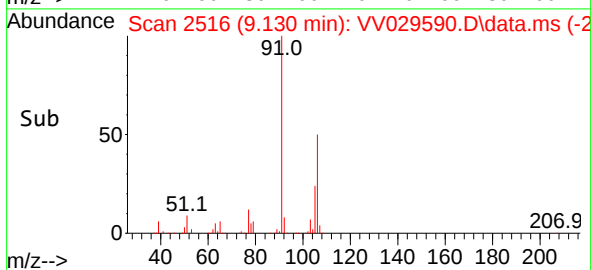
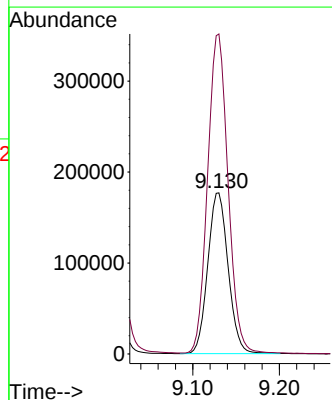
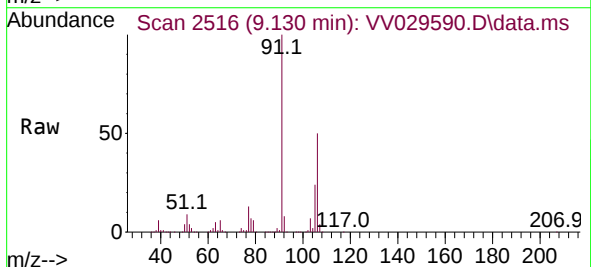
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

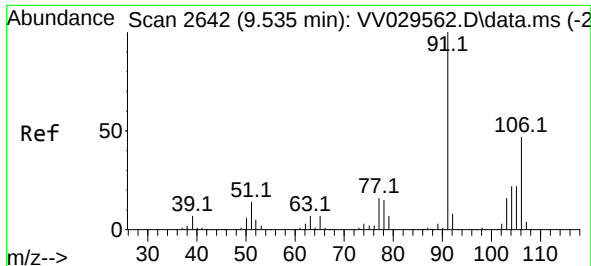
Tgt Ion: 91 Resp: 732278
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.6



#53
m,p-Xylene
Concen: 47.182 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 106 Resp: 288915
Ion Ratio Lower Upper
106 100
91 198.6 139.5 259.1

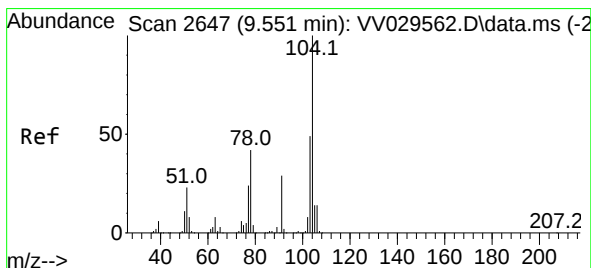
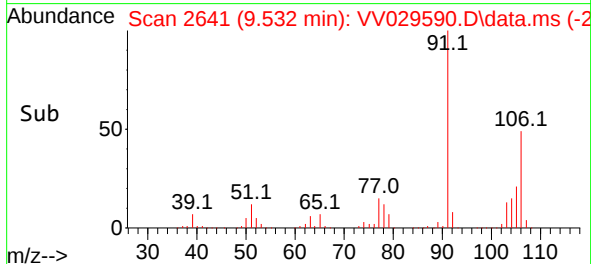
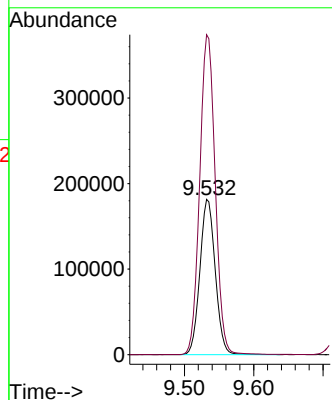
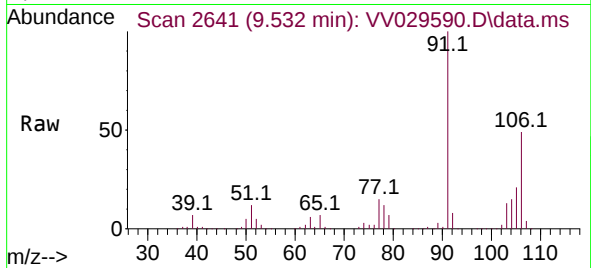




#54
o-Xylene
Concen: 46.157 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

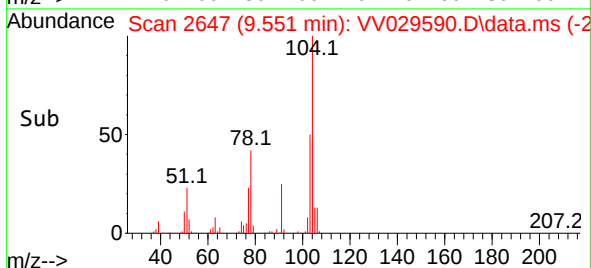
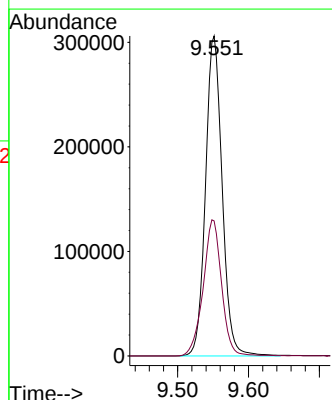
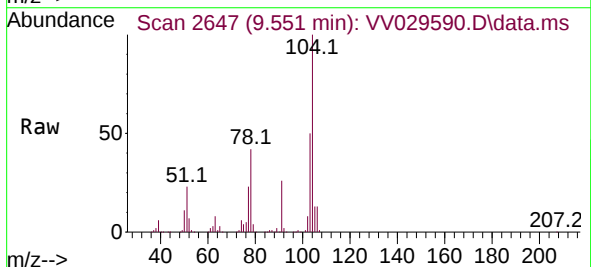
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

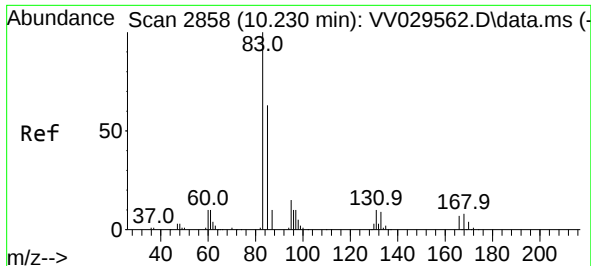
Tgt Ion:106 Resp: 279577
Ion Ratio Lower Upper
106 100
91 206.1 148.0 274.8



#55
Styrene
Concen: 47.442 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion:104 Resp: 499384
Ion Ratio Lower Upper
104 100
78 42.2 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 47.876 ug/L

RT: 10.230 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

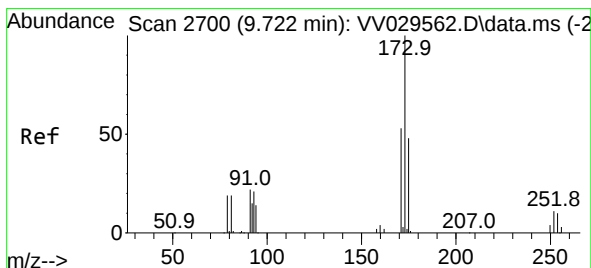
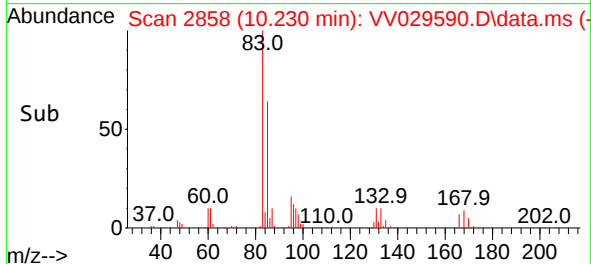
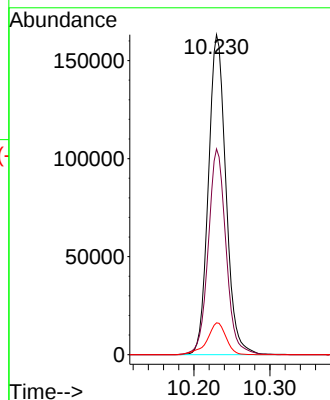
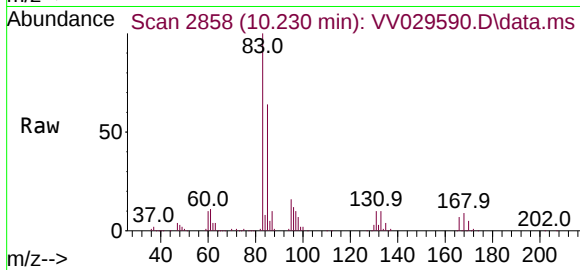
Tgt Ion: 83 Resp: 261088

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9

131 10.0 7.9 11.9



#59

Bromoform

Concen: 43.882 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. -0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

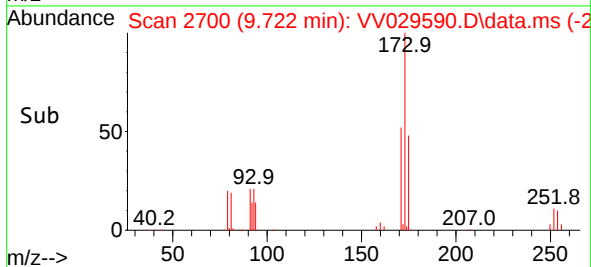
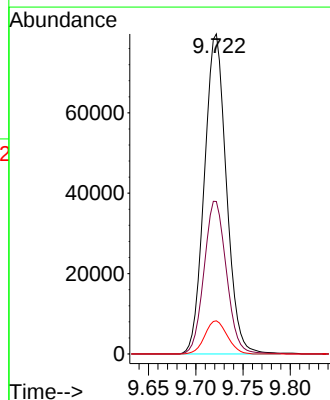
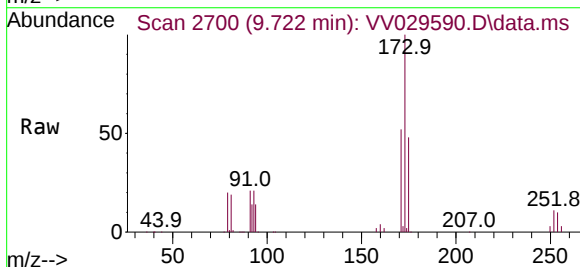
Tgt Ion: 173 Resp: 129163

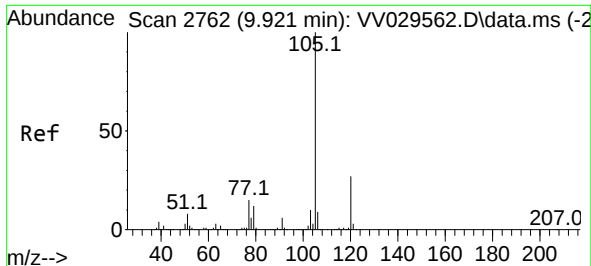
Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

254 10.6 7.8 11.8

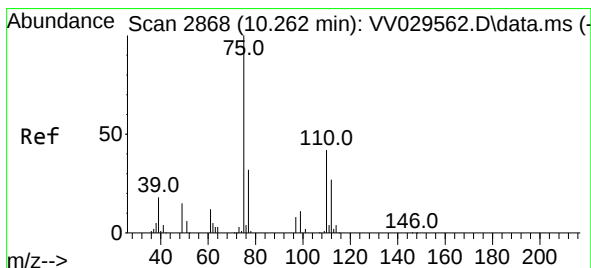
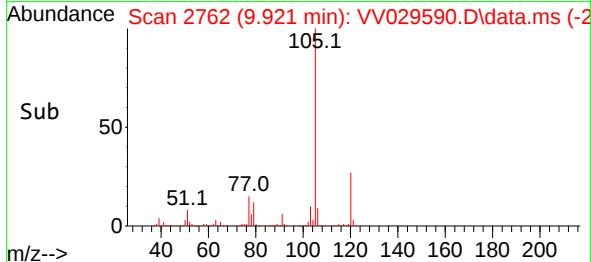
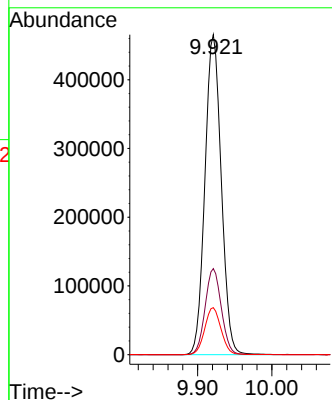
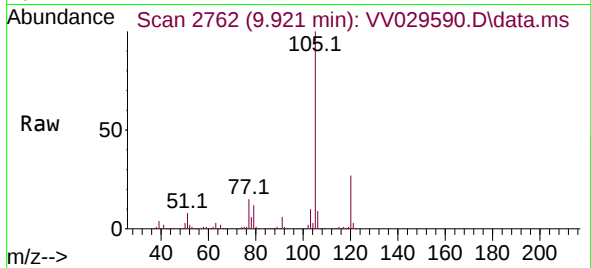




#60
Isopropylbenzene
Concen: 45.322 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

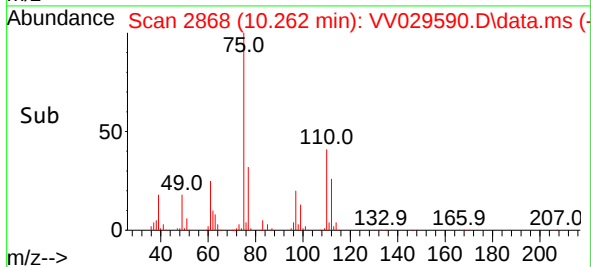
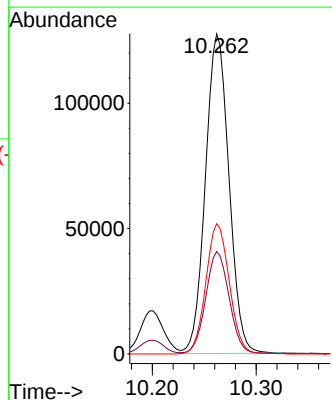
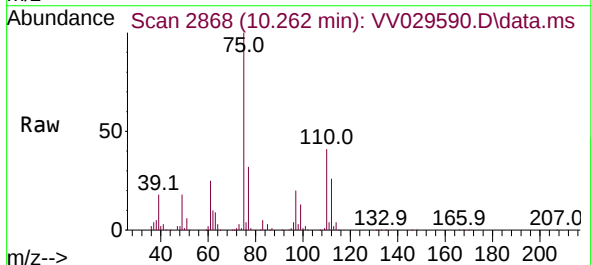
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

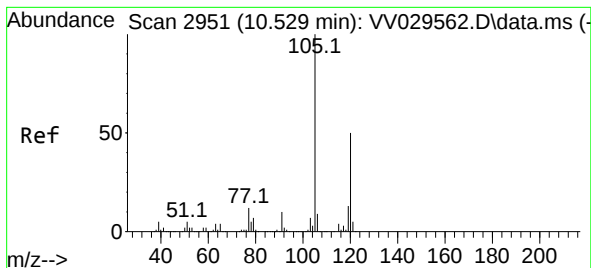
Tgt Ion:105 Resp: 709019
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 48.736 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 75 Resp: 200447
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
110 40.7 32.7 49.1

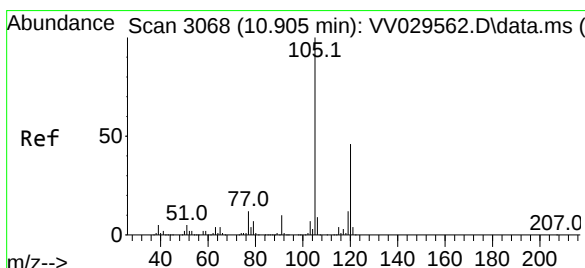
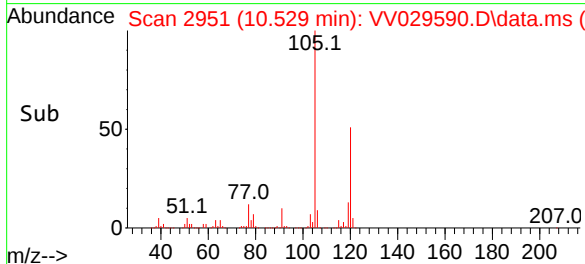
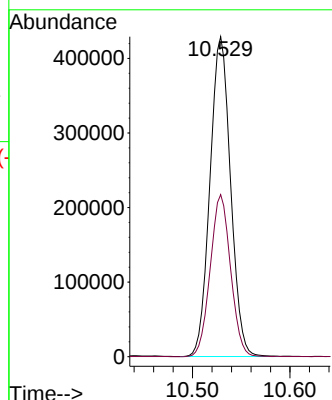
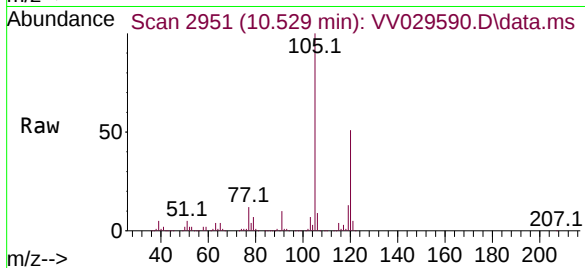




#62
1,3,5-Trimethylbenzene
Concen: 45.594 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

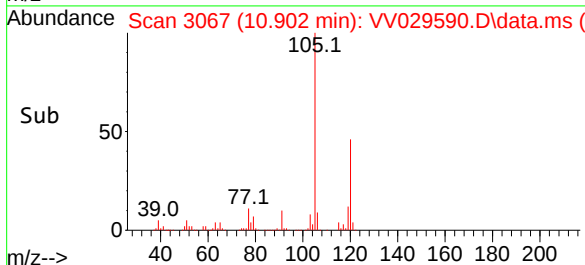
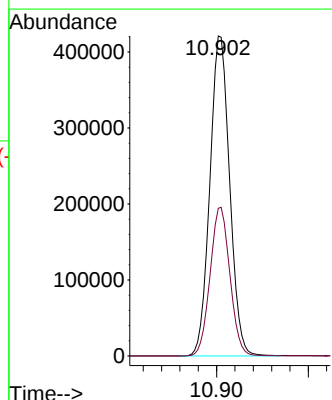
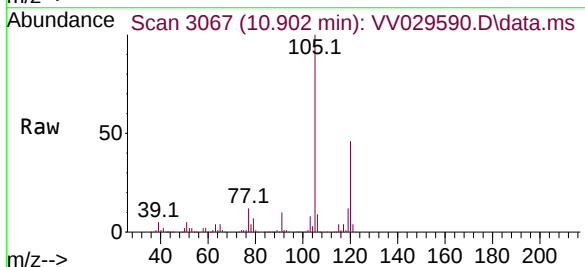
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

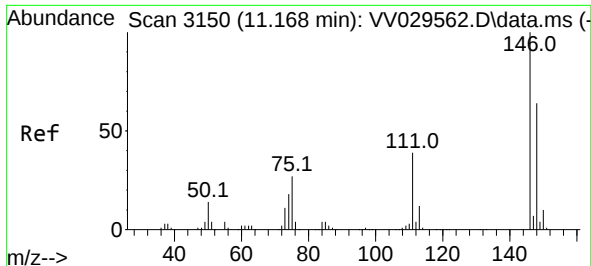
Tgt Ion:105 Resp: 630668
Ion Ratio Lower Upper
105 100
120 50.0 40.0 60.0



#63
1,2,4-Trimethylbenzene
Concen: 45.970 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion:105 Resp: 630307
Ion Ratio Lower Upper
105 100
120 46.6 36.7 55.1

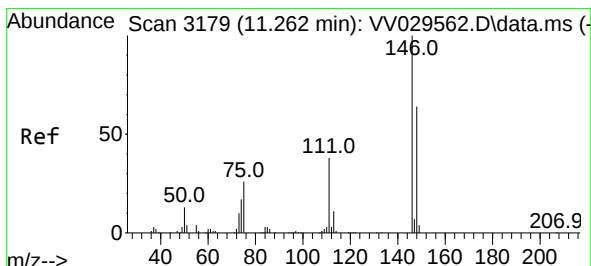
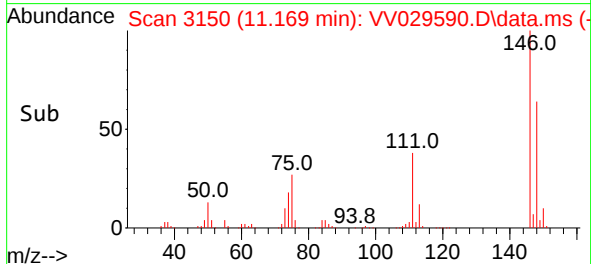
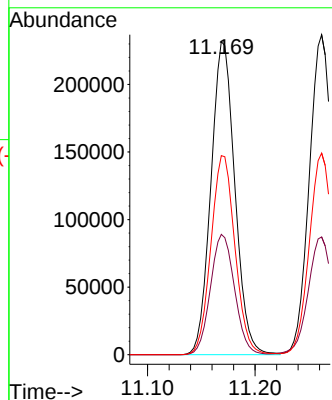
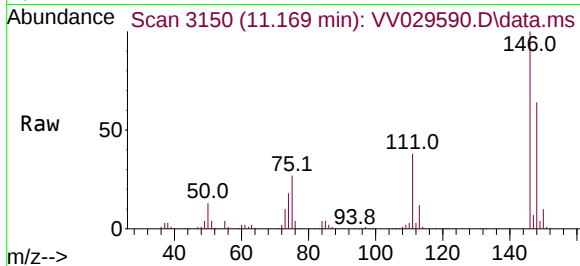




#64
1,3-Dichlorobenzene
Concen: 46.884 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.001 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

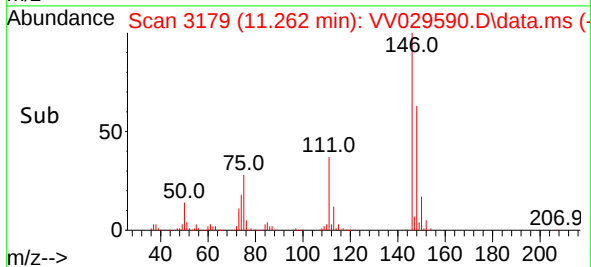
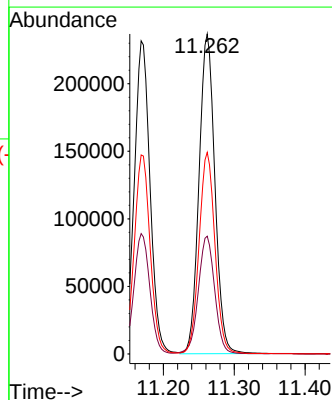
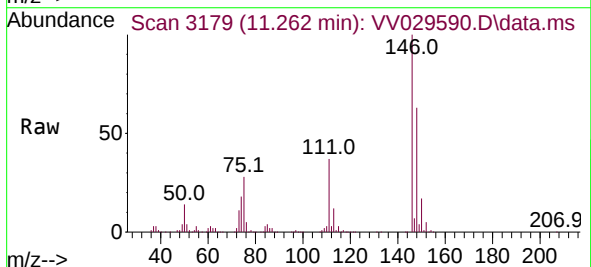
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

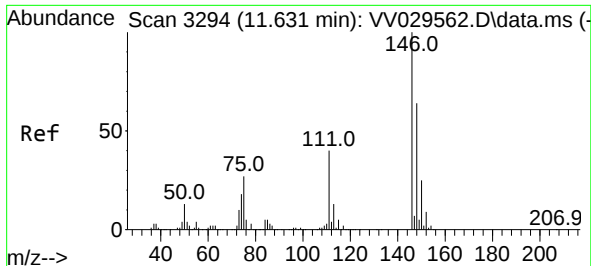
Tgt Ion:146 Resp: 358620
Ion Ratio Lower Upper
146 100
111 38.4 27.4 51.0
148 63.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 47.306 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion:146 Resp: 367744
Ion Ratio Lower Upper
146 100
111 36.8 26.2 48.8
148 63.0 44.7 83.1

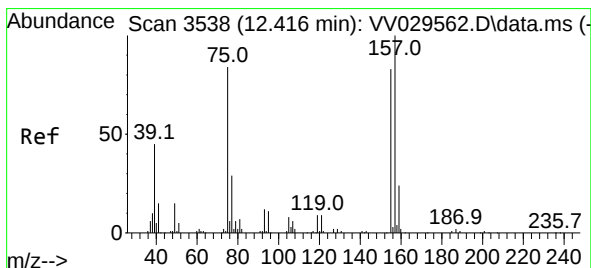
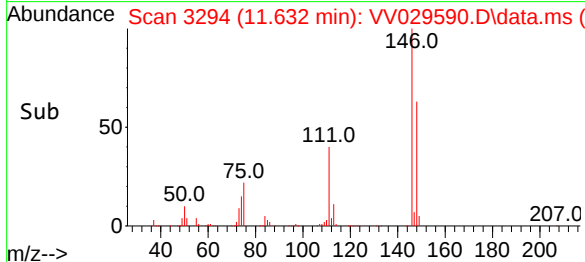
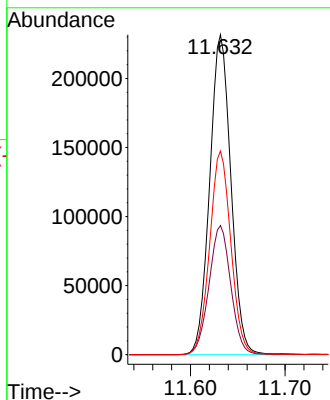
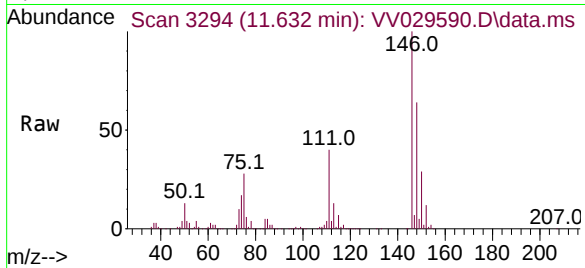




#67
1,2-Dichlorobenzene
Concen: 46.121 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.001 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

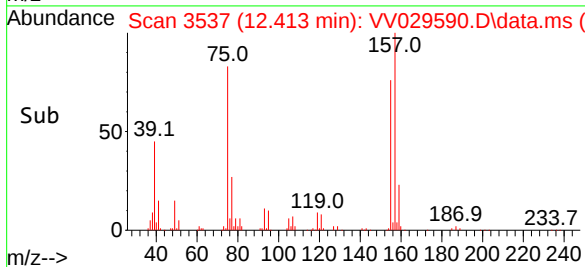
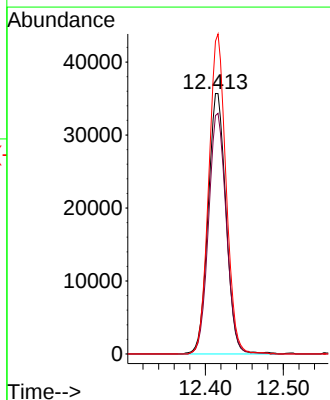
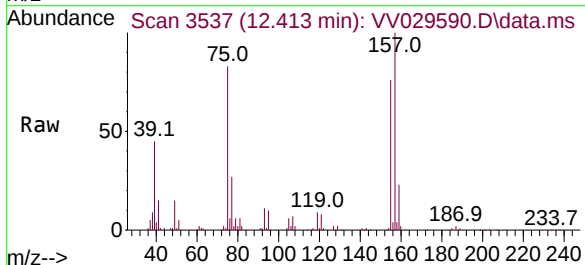
Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

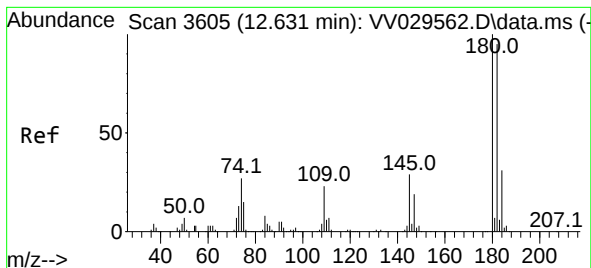
Tgt Ion:146 Resp: 360751
Ion Ratio Lower Upper
146 100
111 40.3 32.0 48.0
148 63.6 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 44.630 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion: 75 Resp: 57052
Ion Ratio Lower Upper
75 100
155 91.5 76.2 114.2
157 120.1 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 45.890 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.001 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050383

Tgt Ion:180 Resp: 279348

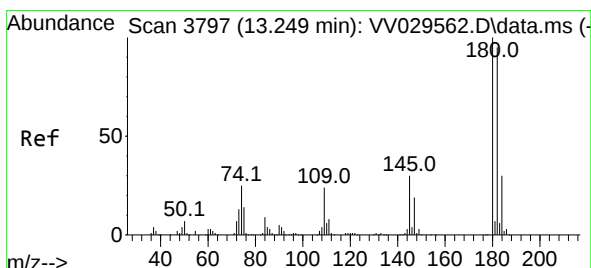
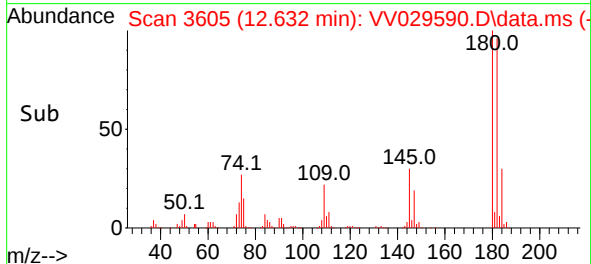
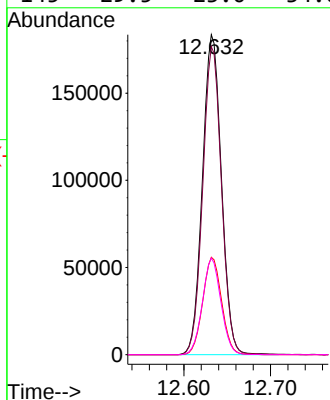
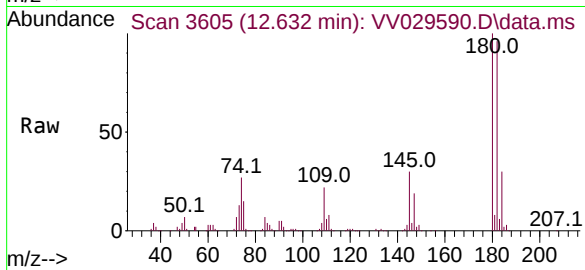
Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

184 30.3 24.6 36.8

145 29.5 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 46.700 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029590.D

Acq: 12 Dec 2022 13:06

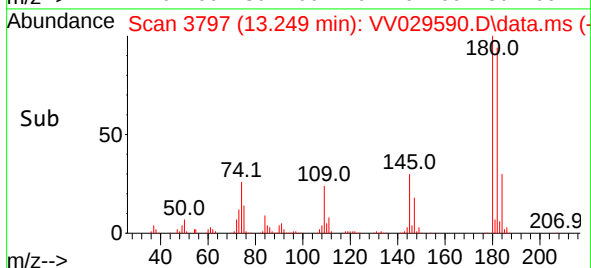
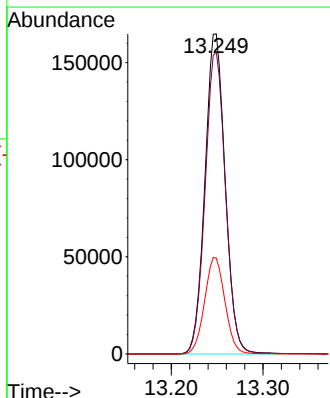
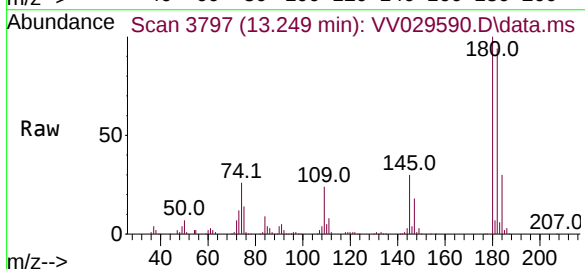
Tgt Ion:180 Resp: 252791

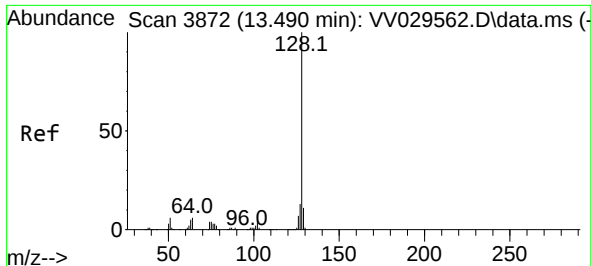
Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 30.3 23.7 35.5

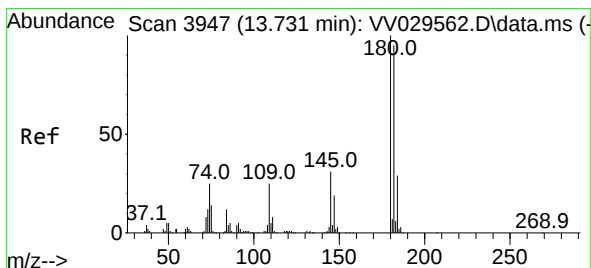
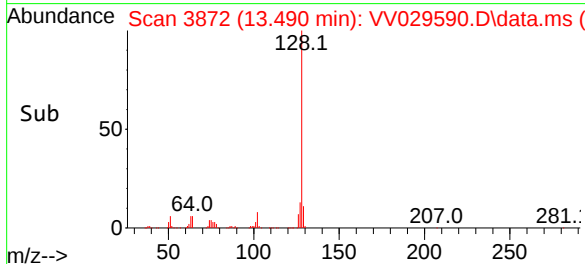
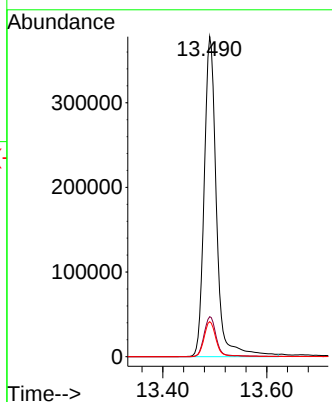
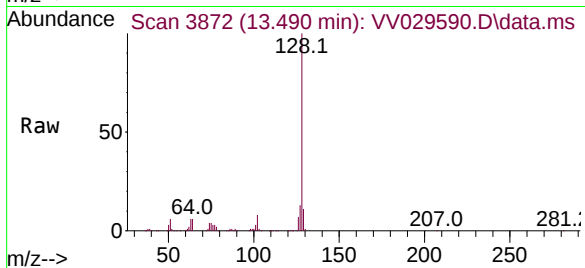




#71
Naphthalene
Concen: 50.549 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.000 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050383

Tgt Ion:128 Resp: 620649
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 0.0 8.5 12.7#



#72
1,2,3-Trichlorobenzene
Concen: 47.790 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. -0.003 min
Lab File: VV029590.D
Acq: 12 Dec 2022 13:06

Tgt Ion:180 Resp: 253376
Ion Ratio Lower Upper
180 100
182 95.7 76.4 114.6
145 32.0 25.0 37.6

