

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029511.D
 Acq On : 09 Dec 2022 10:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050379

Quant Time: Dec 09 23:44:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		5.606	114	549808	50.000	ug/L	0.00
28) Chlorobenzene-d5		8.841	117	490753	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.236	152	260370	50.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.304	65	169425	50.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.640%		
7) Chloroethane-d5		1.561	69	136418	53.137	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 106.280%		
11) 1,1-Dichloroethene-d2		2.105	63	283433	53.974	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 107.940%		
21) 2-Butanone-d5		3.863	46	217984	106.135	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 106.140%		
24) Chloroform-d		4.333	84	309373	48.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.660%		
26) 1,2-Dichloroethane-d4		5.018	65	173517	47.952	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 95.900%		
32) Benzene-d6		5.037	84	656831	50.653	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.300%		
36) 1,2-Dichloropropane-d6		6.056	67	191404	48.323	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 96.640%		
41) Toluene-d8		7.304	98	605485	49.556	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.120%		
43) trans-1,3-Dichloroprop...		7.609	79	84498	42.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 84.500%		
47) 2-Hexanone-d5		8.079	63	187150	110.647	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 110.650%		
56) 1,1,2,2-Tetrachloroeth...		10.204	84	258585	45.685	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 91.380%		
66) 1,2-Dichlorobenzene-d4		11.612	152	231066	46.619	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.240%		
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.127	85	210882	48.694	ug/L	99
3) Chloromethane		1.240	50	208230	42.172	ug/L	99
5) Vinyl chloride		1.307	62	202632	49.049	ug/L	99
6) Bromomethane		1.516	94	92189	55.459	ug/L	100
8) Chloroethane		1.577	64	119821	52.088	ug/L	99
9) Trichlorofluoromethane		1.748	101	264932	51.228	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...		2.111	101	155063	53.960	ug/L	99
12) 1,1-Dichloroethene		2.114	96	153162	52.116	ug/L	99
13) Acetone		2.156	43	151207	113.013	ug/L	98
14) Carbon disulfide		2.288	76	475900	48.656	ug/L	100
15) Methyl Acetate		2.420	43	166683	54.680	ug/L	98
16) Methylene chloride		2.500	84	185288	50.707	ug/L	97
17) trans-1,2-Dichloroethene		2.751	96	173468	51.227	ug/L	98
18) Methyl tert-butyl Ether		2.761	73	544534	52.486	ug/L	100
19) 1,1-Dichloroethane		3.179	63	299351	51.602	ug/L	98
20) cis-1,2-Dichloroethene		3.899	96	192842	51.790	ug/L	97
22) 2-Butanone		3.947	43	231212	108.604	ug/L	98
23) Bromochloromethane		4.233	128	97694	50.952	ug/L	96
25) Chloroform		4.362	83	307540	51.137	ug/L	100

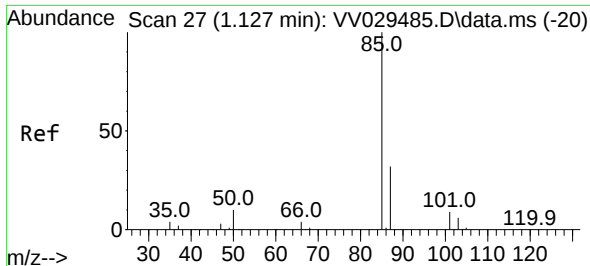
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	217692	51.241	ug/L	99
29) Cyclohexane	4.664	56	284493	53.515	ug/L	99
30) 1,1,1-Trichloroethane	4.593	97	274356	51.313	ug/L	99
31) Carbon tetrachloride	4.815	117	234283	50.178	ug/L	99
33) Benzene	5.088	78	723381	52.294	ug/L	100
34) Trichloroethene	5.902	95	181102	52.246	ug/L	99
35) Methylcyclohexane	6.121	83	321761	54.654	ug/L	99
37) 1,2-Dichloropropane	6.162	63	179698	53.823	ug/L	100
38) Bromodichloromethane	6.500	83	232250	50.391	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	235899	42.962	ug/L	98
40) 4-Methyl-2-pentanone	7.217	43	448085	112.563	ug/L	99
42) Toluene	7.378	91	766347	51.471	ug/L	99
44) trans-1,3-Dichloropropene	7.638	75	232652	44.741	ug/L	100
45) 1,1,2-Trichloroethane	7.828	97	175383	50.846	ug/L	98
46) Tetrachloroethene	7.966	164	148384	53.244	ug/L	98
48) 2-Hexanone	8.130	43	347814	114.364	ug/L	98
49) Dibromochloromethane	8.236	129	187420	49.215	ug/L	98
50) 1,2-Dibromoethane	8.339	107	178302	50.175	ug/L	98
51) Chlorobenzene	8.870	112	495353	52.541	ug/L	100
52) Ethylbenzene	9.002	91	826933	52.828	ug/L	99
53) m,p-Xylene	9.127	106	324736	52.415	ug/L	100
54) o-Xylene	9.532	106	303873	49.585	ug/L	100
55) Styrene	9.548	104	539970	50.702	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	271084	49.131	ug/L	99
59) Bromoform	9.719	173	135555	47.130	ug/L	99
60) Isopropylbenzene	9.921	105	809043	52.925	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	205343	51.093	ug/L	99
62) 1,3,5-Trimethylbenzene	10.526	105	709600	52.500	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	706446	52.727	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	390773	52.281	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	393140	51.755	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	394407	51.602	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	60974	48.813	ug/L	97
69) 1,3,5-Trichlorobenzene	12.632	180	311478	52.365	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	286643	54.192	ug/L	99
71) Naphthalene	13.490	128	749473	62.467	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	282664	54.560	ug/L	99

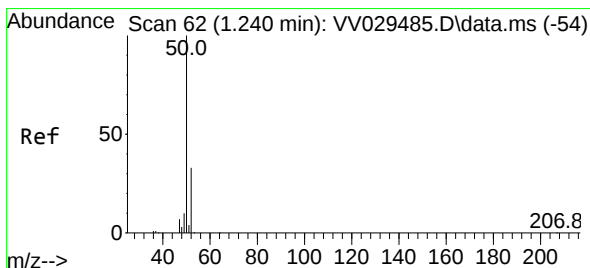
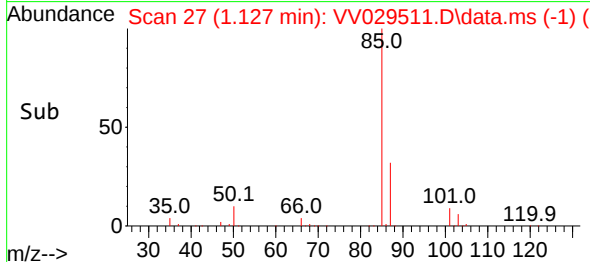
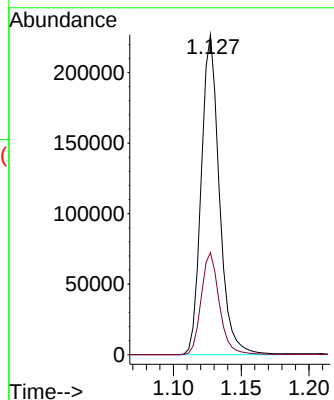
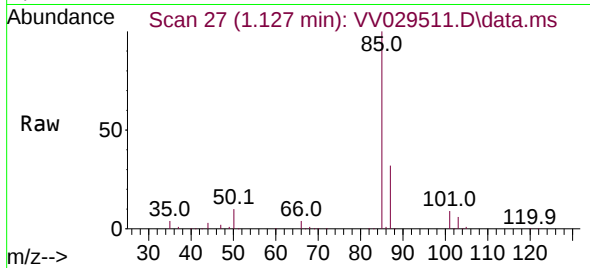
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#2
 Dichlorodifluoromethane
 Concen: 48.694 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029511.D
 Acq: 09 Dec 2022 10:53

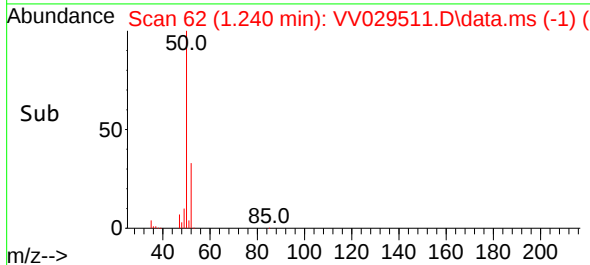
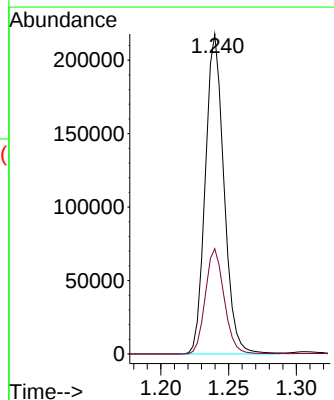
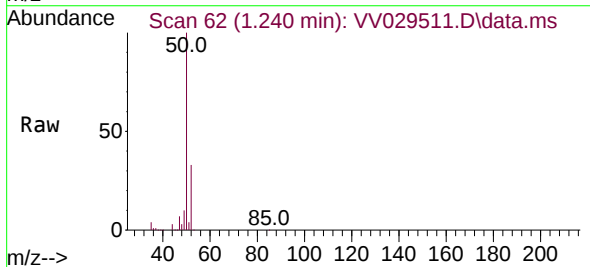
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050379

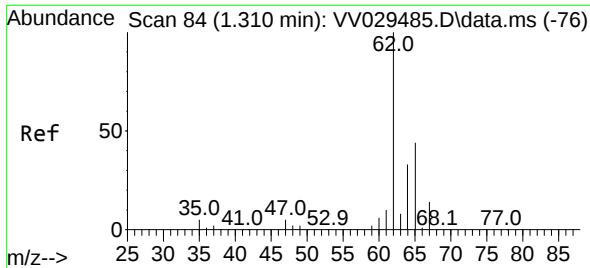
Tgt Ion: 85 Resp: 210882
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 42.172 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029511.D
 Acq: 09 Dec 2022 10:53

Tgt Ion: 50 Resp: 208230
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.3 43.3

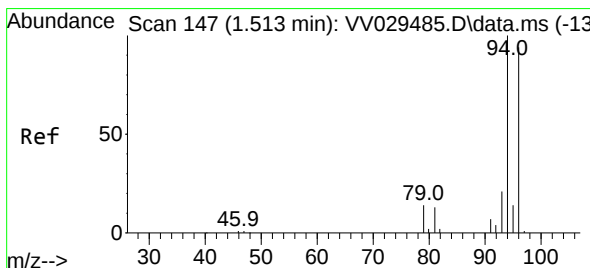
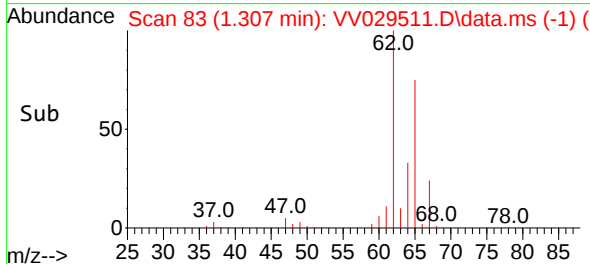
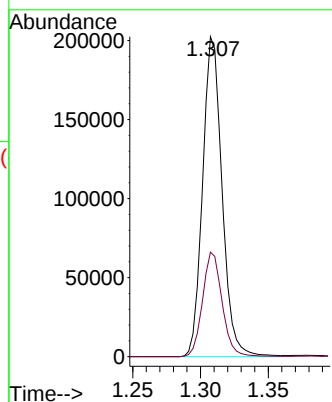
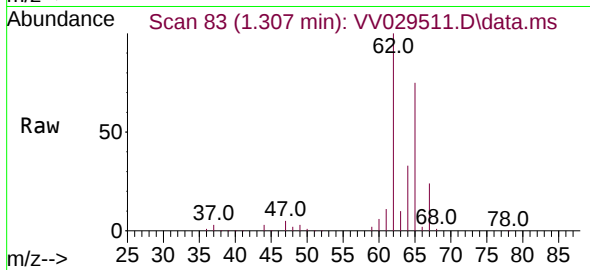




#5
 Vinyl chloride
 Concen: 49.049 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV029511.D
 Acq: 09 Dec 2022 10:53

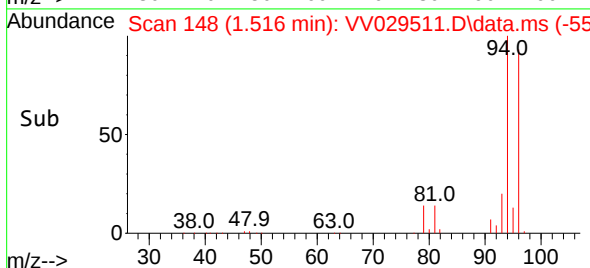
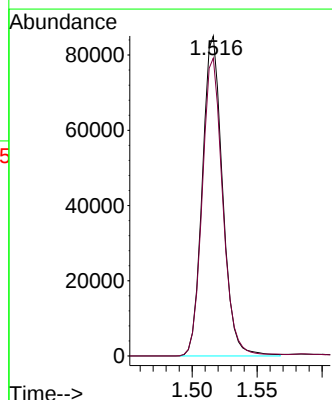
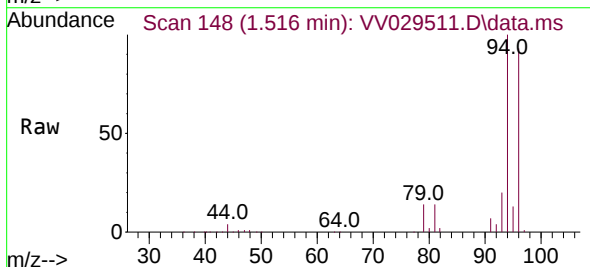
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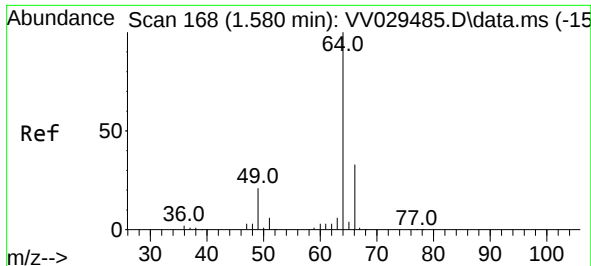
Tgt Ion: 62 Resp: 202632
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.9



#6
 Bromomethane
 Concen: 55.459 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VV029511.D
 Acq: 09 Dec 2022 10:53

Tgt Ion: 94 Resp: 92189
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.1 120.9

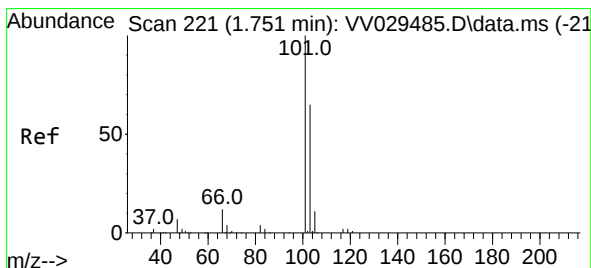
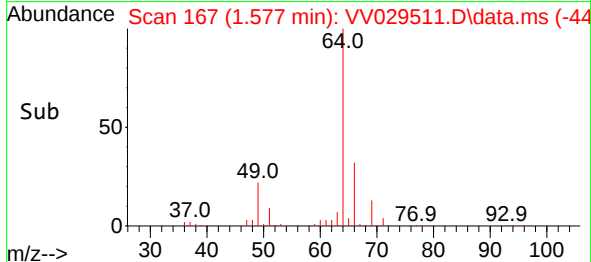
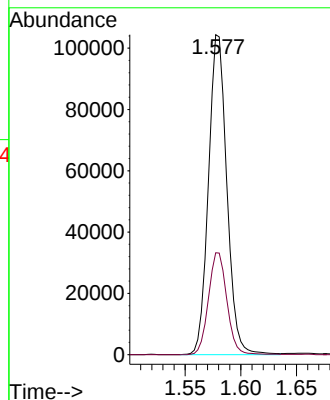
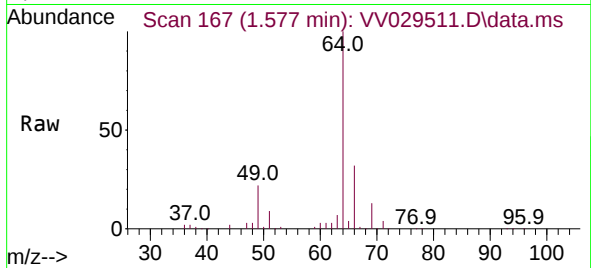




#8
Chloroethane
Concen: 52.088 ug/L
RT: 1.577 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

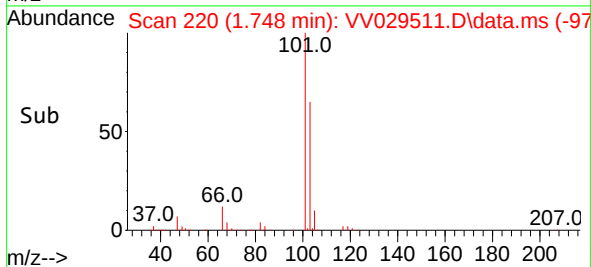
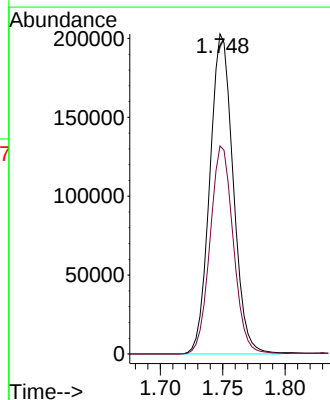
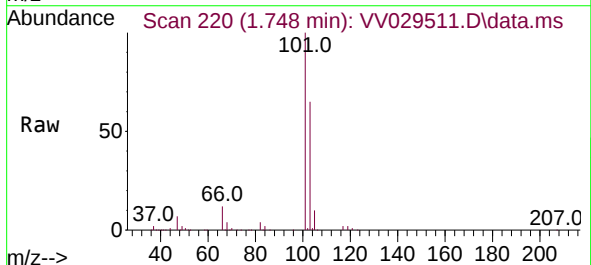
Instrument :
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ClientSampleId :
VSTD050379

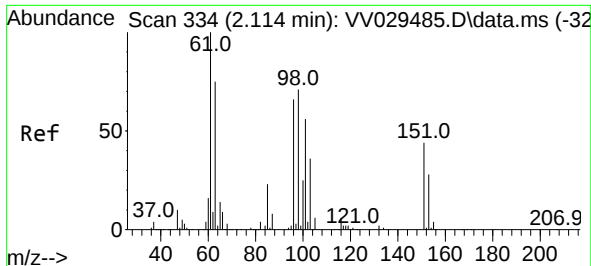
Tgt Ion: 64 Resp: 119821
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.228 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion:101 Resp: 264932
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.960 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

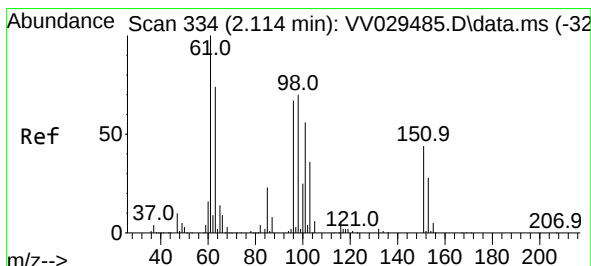
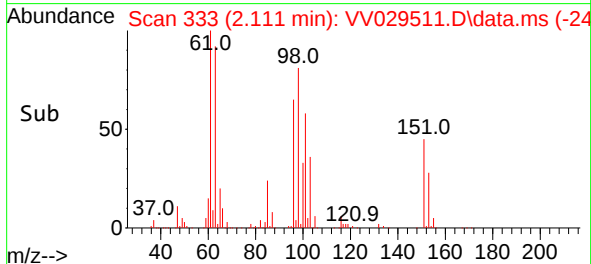
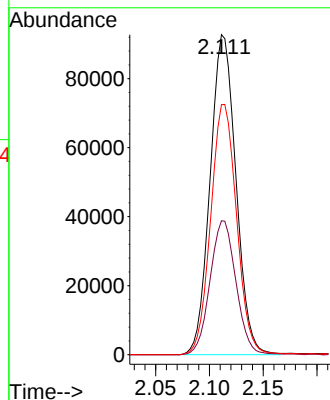
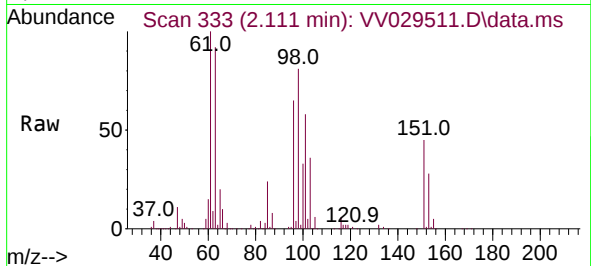
Tgt Ion:101 Resp: 155063

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

151 78.4 63.5 95.3



#12

1,1-Dichloroethene

Concen: 52.116 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

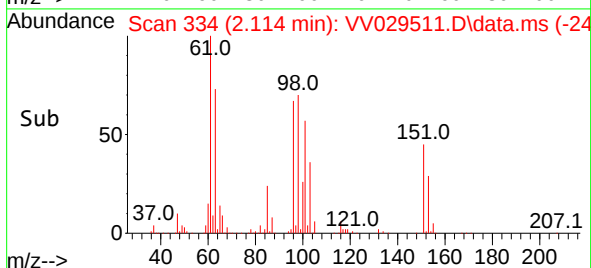
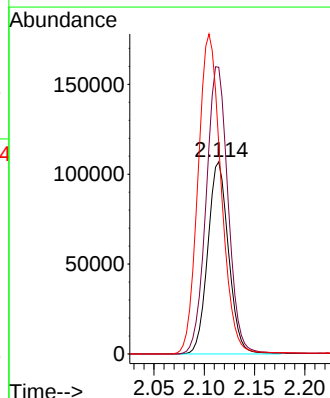
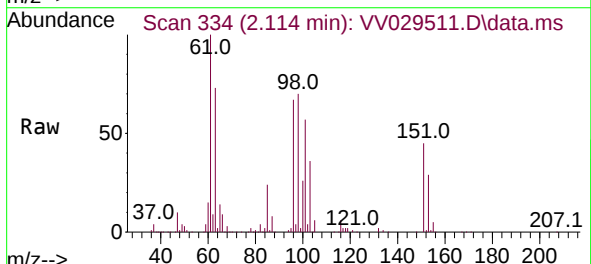
Tgt Ion: 96 Resp: 153162

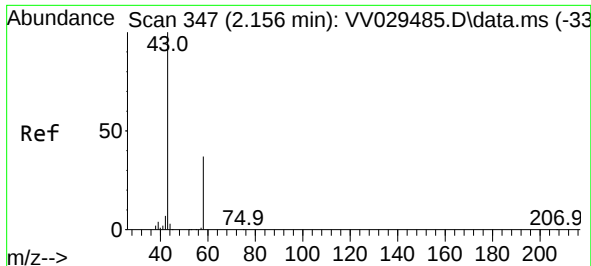
Ion Ratio Lower Upper

96 100

61 149.3 103.3 191.9

63 109.2 77.3 143.7





#13

Acetone

Concen: 113.013 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.000 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

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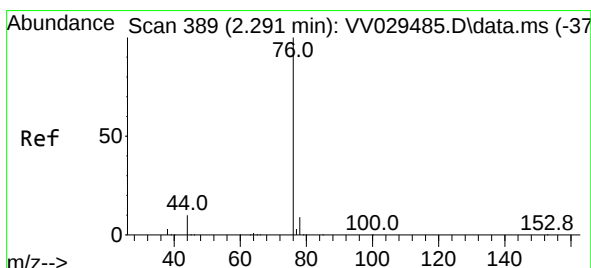
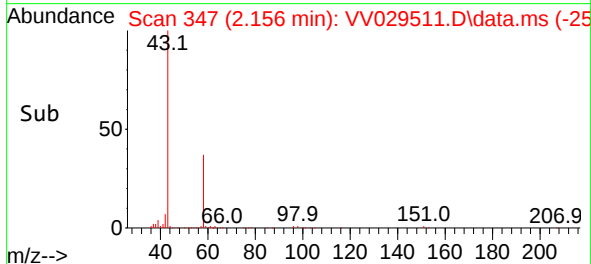
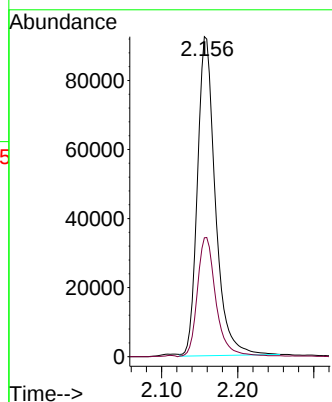
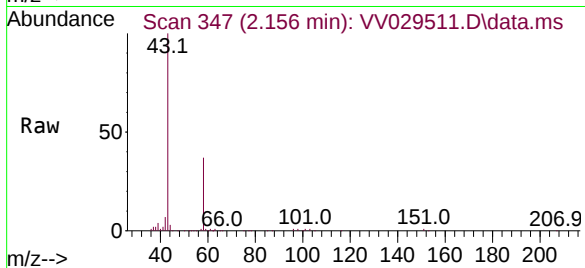
VSTD050379

Tgt Ion: 43 Resp: 151207

Ion Ratio Lower Upper

43 100

58 38.9 0.0 74.8



#14

Carbon disulfide

Concen: 48.656 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV029511.D

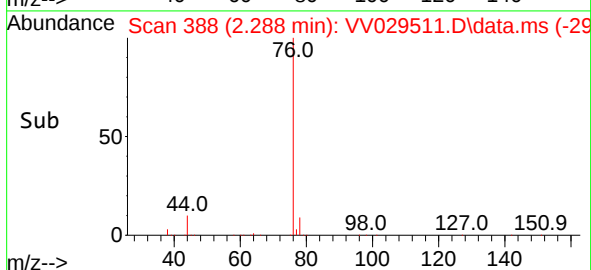
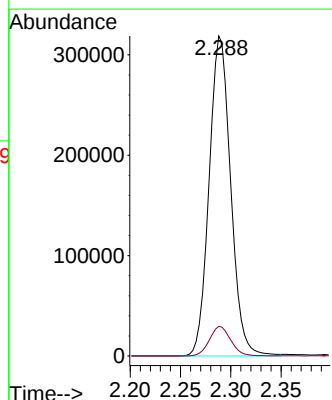
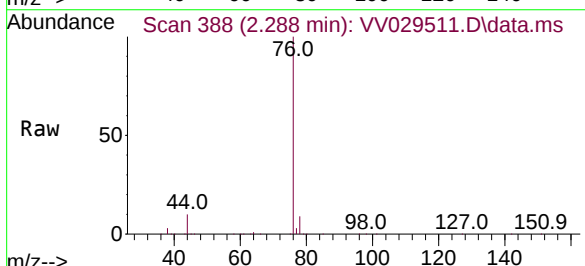
Acq: 09 Dec 2022 10:53

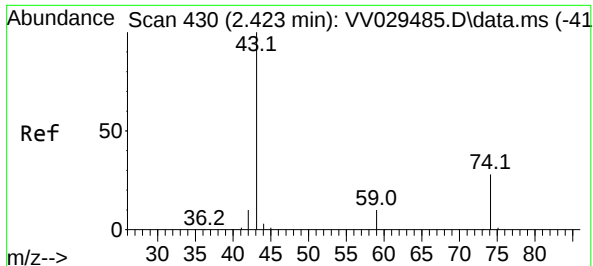
Tgt Ion: 76 Resp: 475900

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

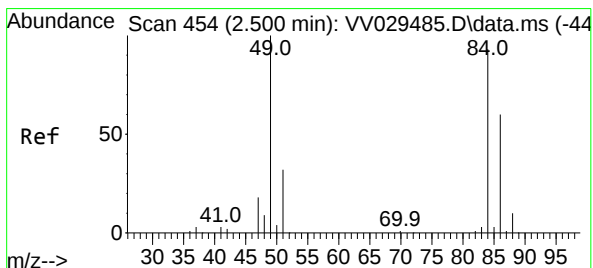
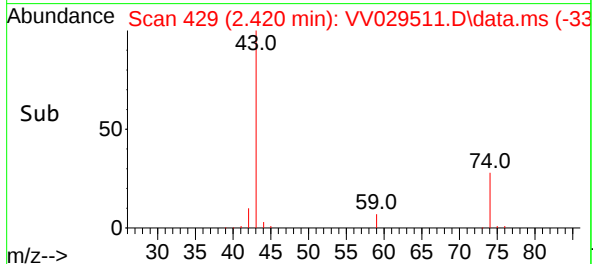
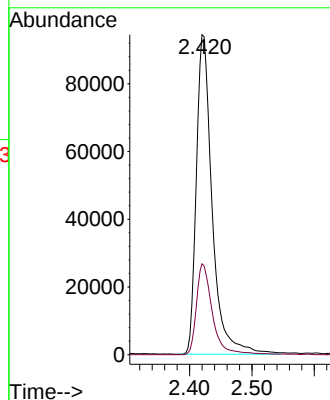
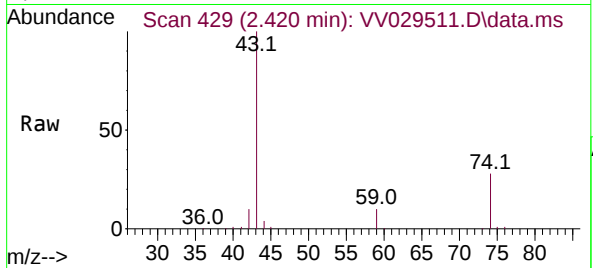




#15
Methyl Acetate
Concen: 54.680 ug/L
RT: 2.420 min Scan# 430
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

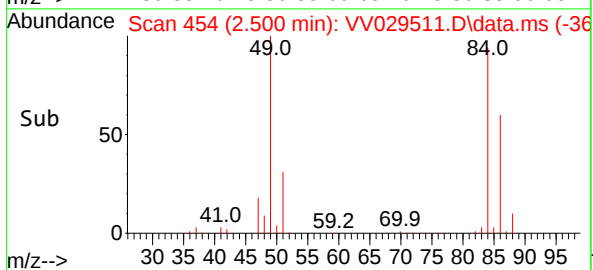
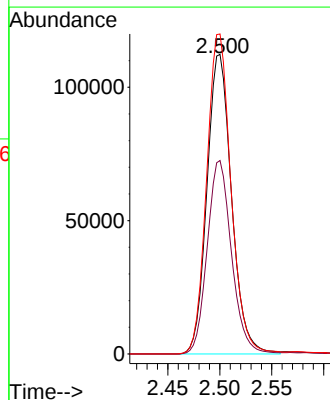
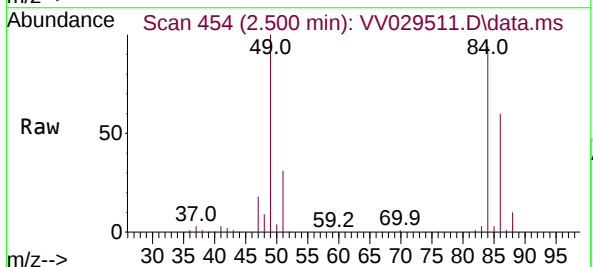
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

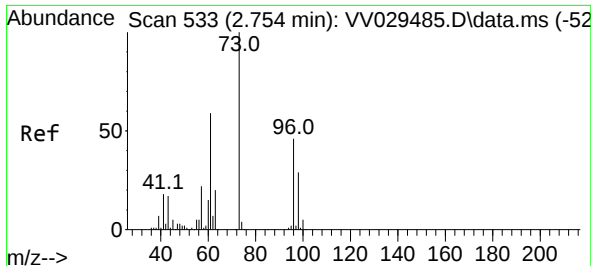
Tgt Ion: 43 Resp: 166683
Ion Ratio Lower Upper
43 100
74 28.4 23.5 35.3



#16
Methylene chloride
Concen: 50.707 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 84 Resp: 185288
Ion Ratio Lower Upper
84 100
86 64.6 46.0 85.4
49 106.8 72.2 134.0

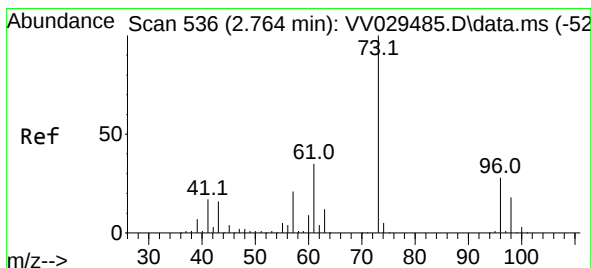
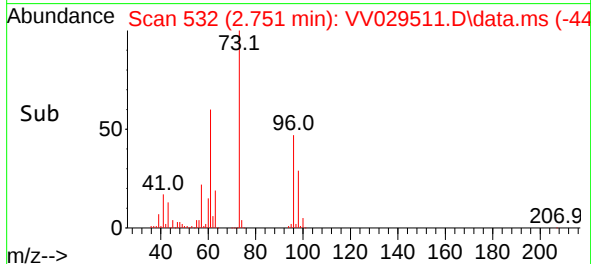
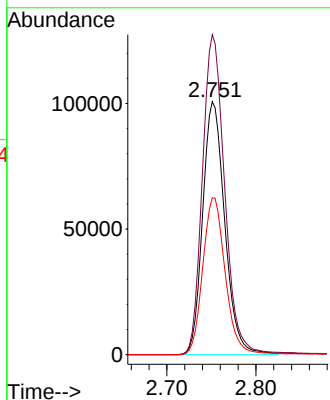
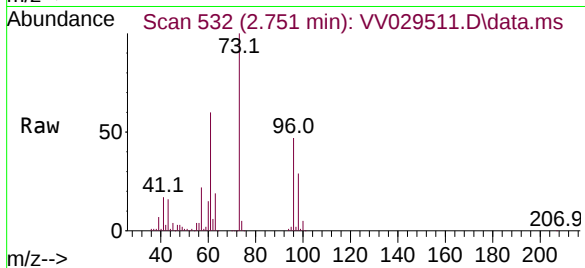




#17
trans-1,2-Dichloroethene
Concen: 51.227 ug/L
RT: 2.751 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

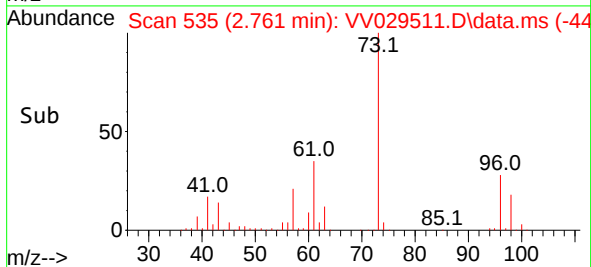
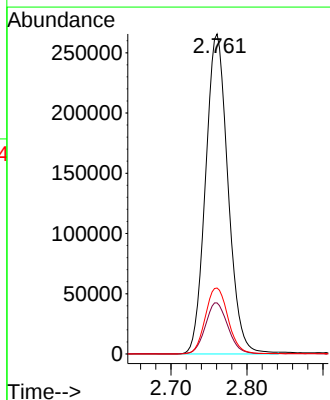
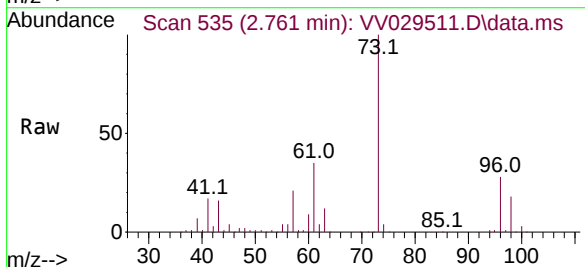
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

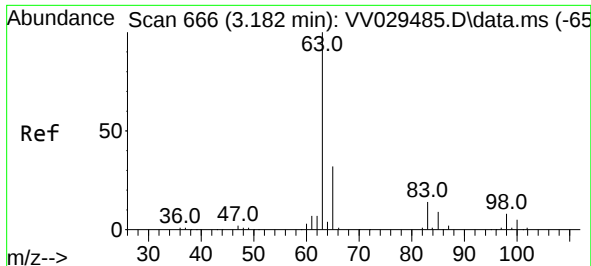
Tgt Ion: 96 Resp: 173468
Ion Ratio Lower Upper
96 100
61 126.4 86.4 160.4
98 62.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 52.486 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 73 Resp: 544534
Ion Ratio Lower Upper
73 100
43 15.9 12.7 19.1
57 21.0 16.7 25.1

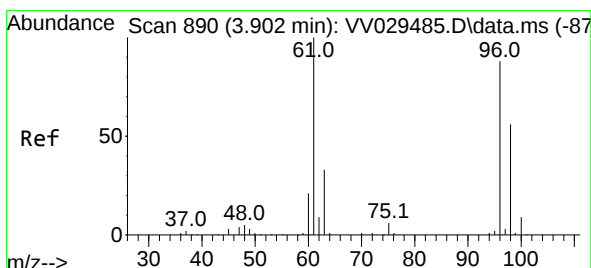
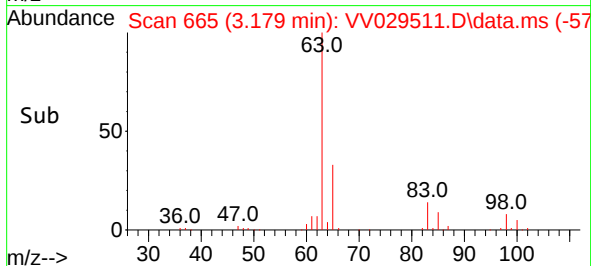
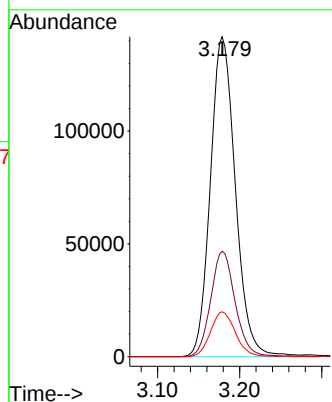
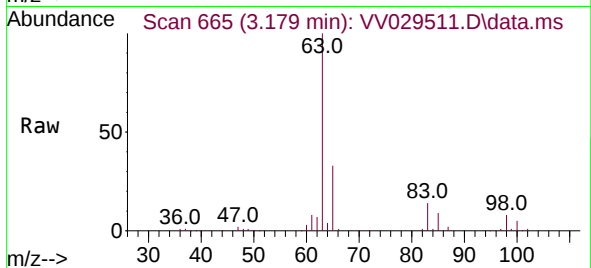




#19
1,1-Dichloroethane
Concen: 51.602 ug/L
RT: 3.179 min Scan# 665
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

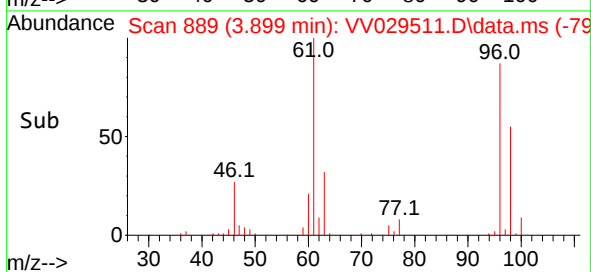
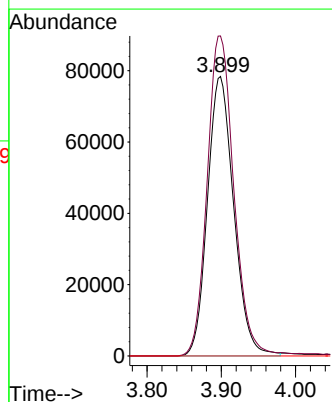
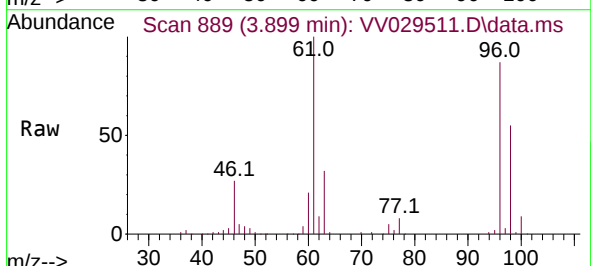
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

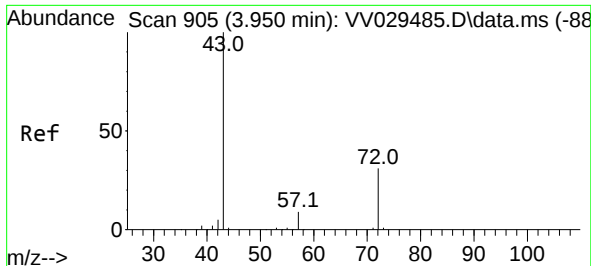
Tgt Ion: 63 Resp: 299351
Ion Ratio Lower Upper
63 100
65 33.0 22.5 41.7
83 14.0 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 51.790 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 96 Resp: 192842
Ion Ratio Lower Upper
96 100
61 114.5 78.0 144.9
68 0.0 0.0 0.0

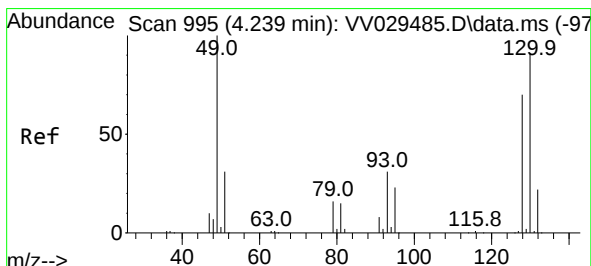
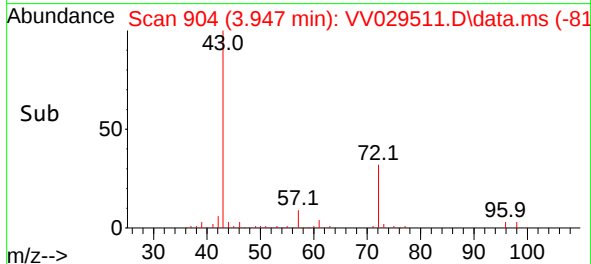
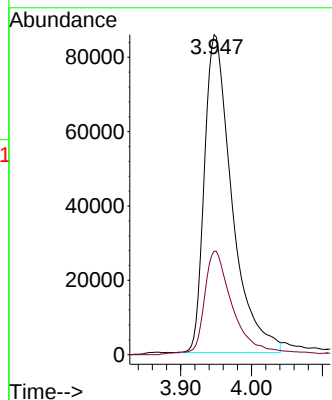
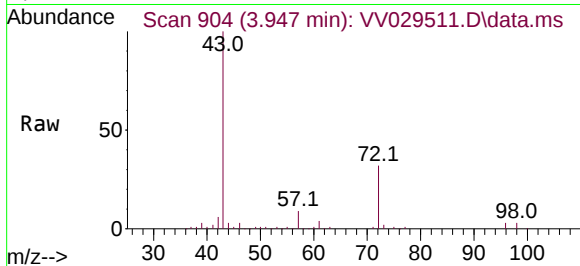




#22
2-Butanone
Concen: 108.604 ug/L
RT: 3.947 min Scan# 904
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

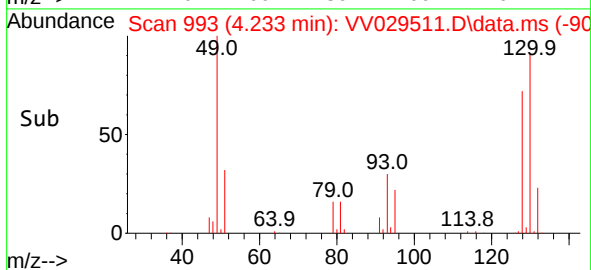
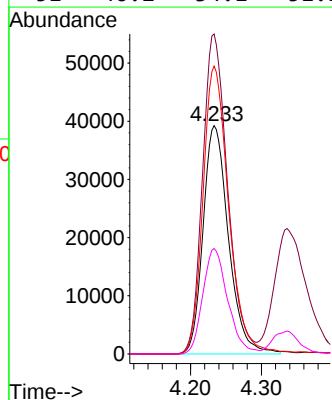
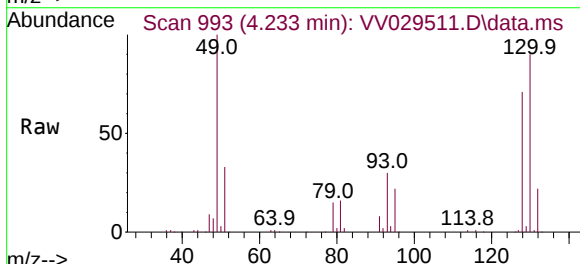
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

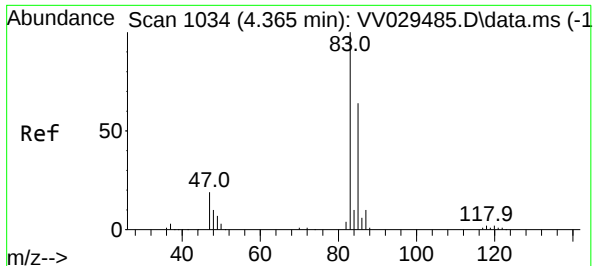
Tgt Ion: 43 Resp: 231212
Ion Ratio Lower Upper
43 100
72 32.9 15.9 47.6



#23
Bromochloromethane
Concen: 50.952 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 128 Resp: 97694
Ion Ratio Lower Upper
128 100
49 140.1 92.2 171.2
130 126.1 88.3 164.1
51 46.2 34.1 51.1





#25

Chloroform

Concen: 51.137 ug/L

RT: 4.362 min Scan# 1034

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

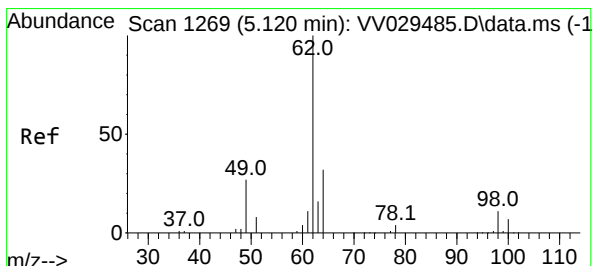
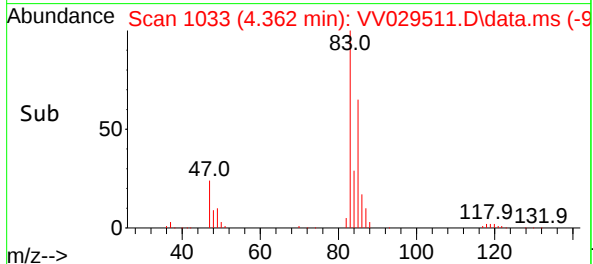
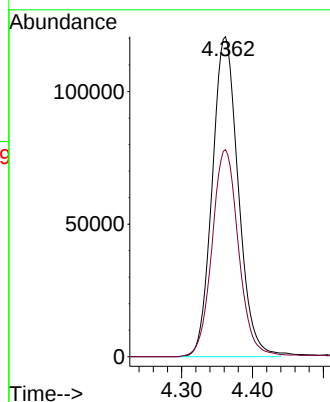
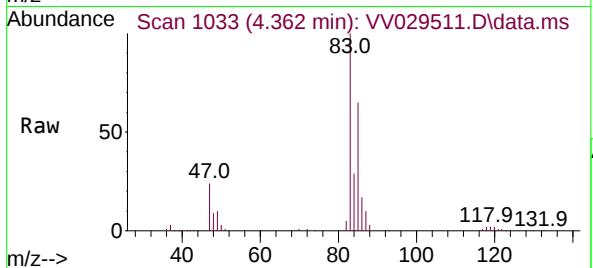
VSTD050379

Tgt Ion: 83 Resp: 307540

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9



#27

1,2-Dichloroethane

Concen: 51.241 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.006 min

Lab File: VV029511.D

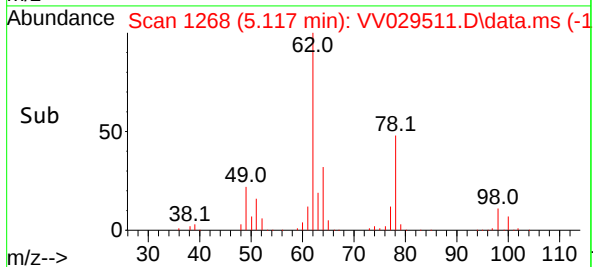
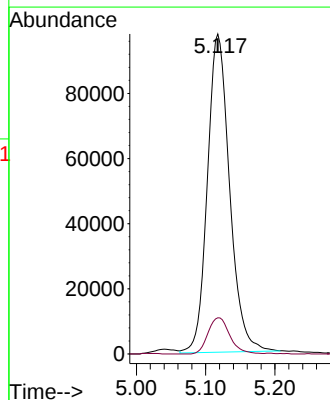
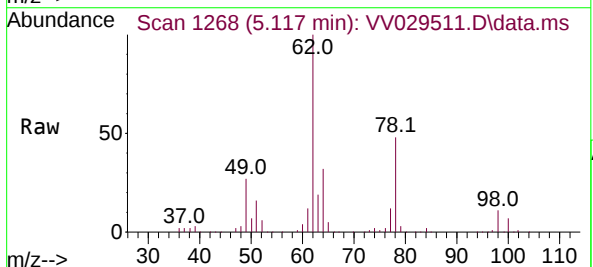
Acq: 09 Dec 2022 10:53

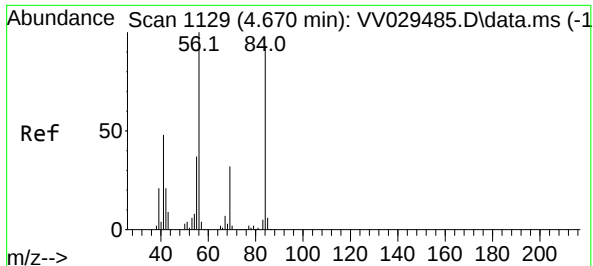
Tgt Ion: 62 Resp: 217692

Ion Ratio Lower Upper

62 100

98 11.3 9.4 14.0





#29

Cyclohexane

Concen: 53.515 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

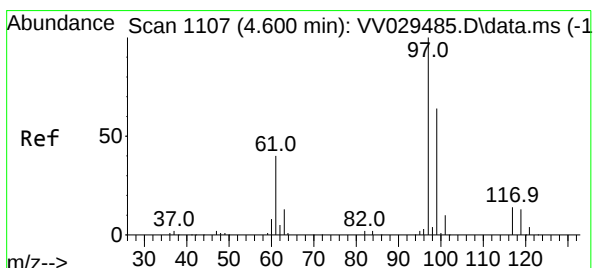
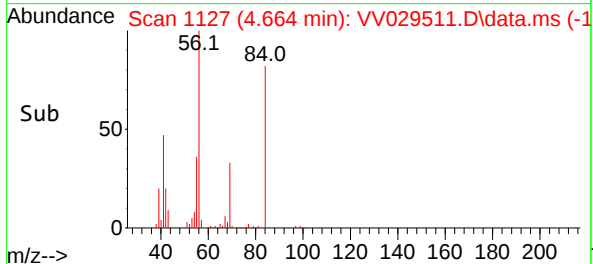
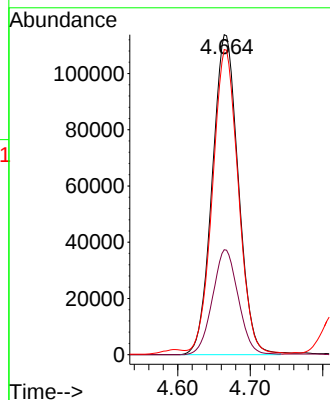
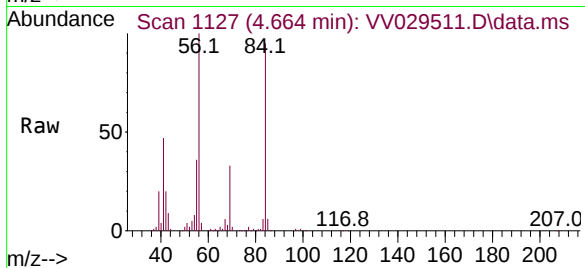
Tgt Ion: 56 Resp: 284493

Ion Ratio Lower Upper

56 100

69 32.4 25.8 38.8

84 94.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 51.313 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.010 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

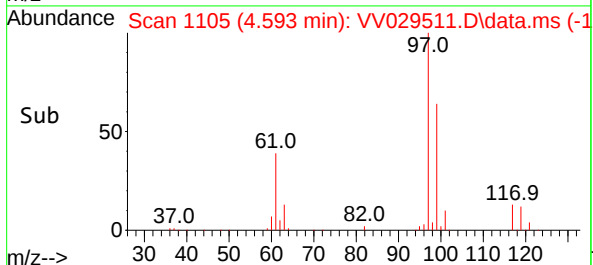
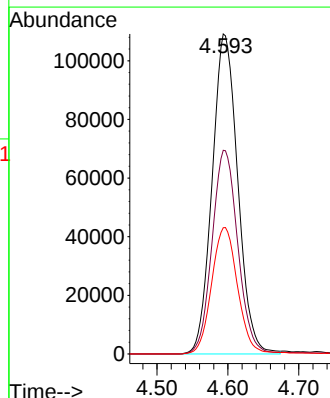
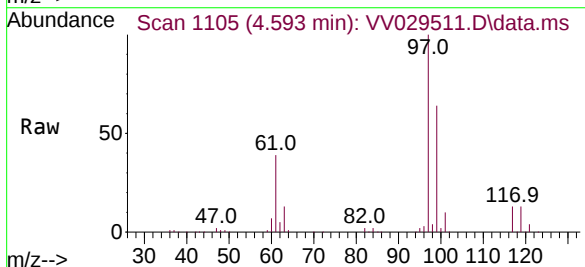
Tgt Ion: 97 Resp: 274356

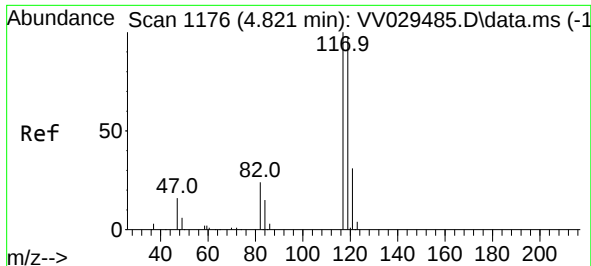
Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

61 40.1 31.8 47.8

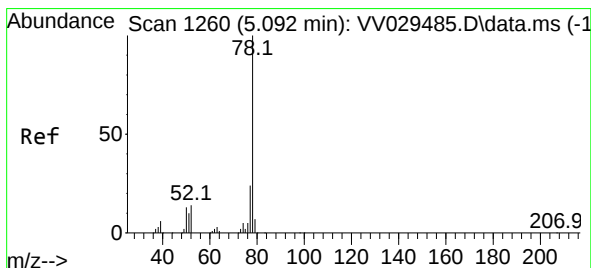
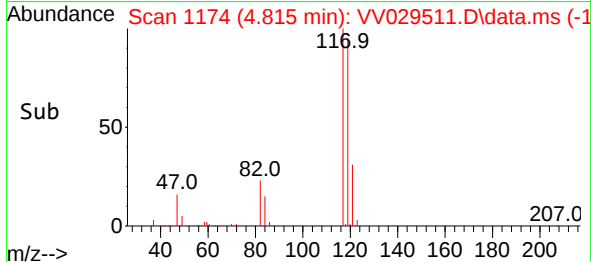
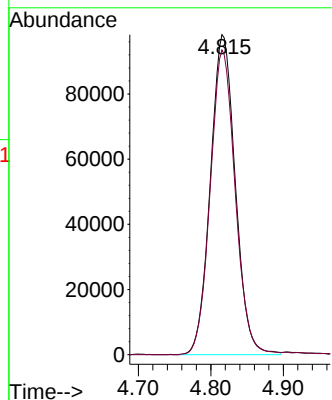
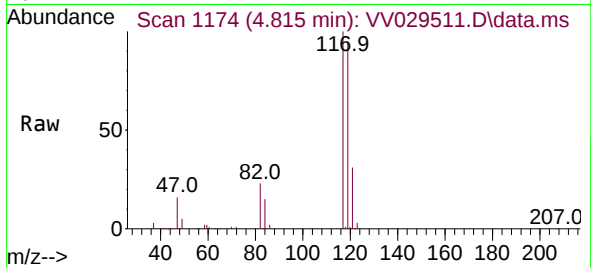




#31
Carbon tetrachloride
Concen: 50.178 ug/L
RT: 4.815 min Scan# 1176
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

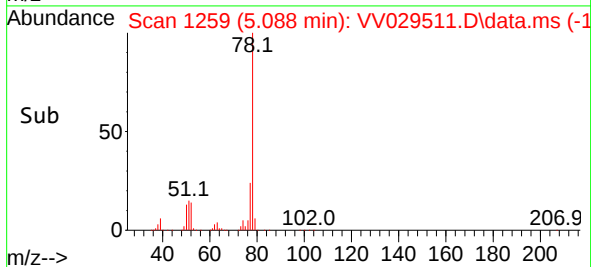
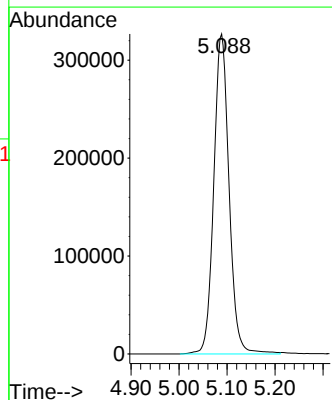
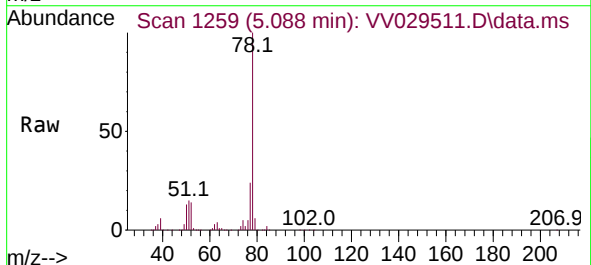
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

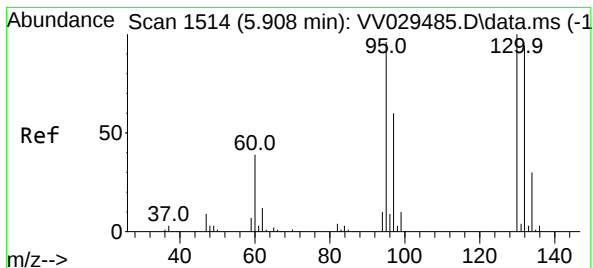
Tgt Ion:117 Resp: 234283
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1



#33
Benzene
Concen: 52.294 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 78 Resp: 723381





#34

Trichloroethene

Concen: 52.246 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

Tgt Ion: 95 Resp: 181102

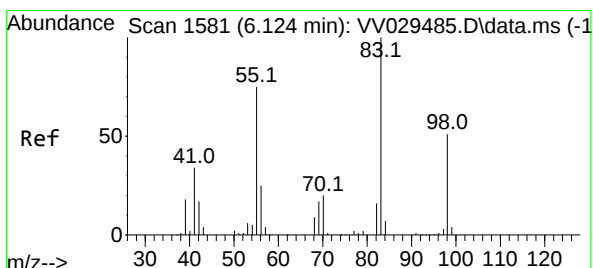
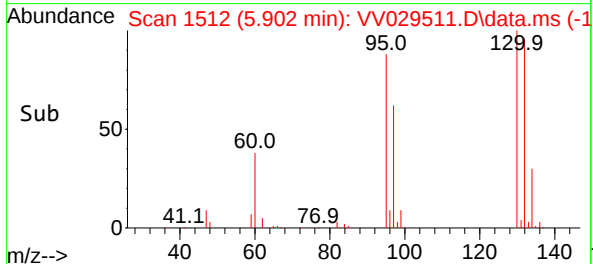
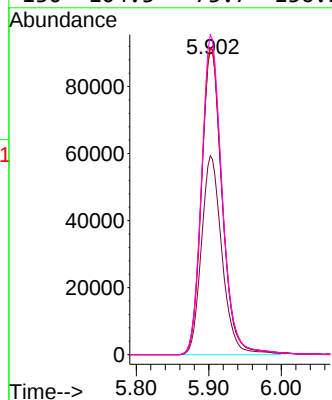
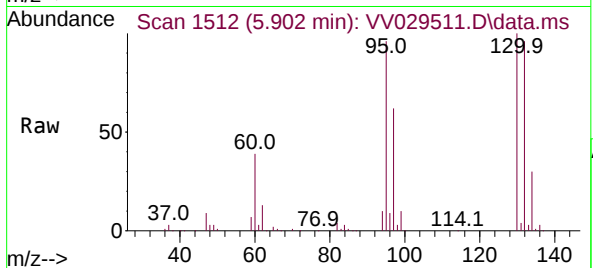
Ion Ratio Lower Upper

95 100

97 64.8 44.0 81.8

132 100.1 69.9 129.9

130 104.3 73.7 136.9



#35

Methylcyclohexane

Concen: 54.654 ug/L

RT: 6.121 min Scan# 1580

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

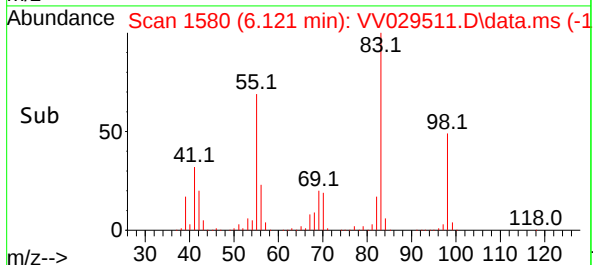
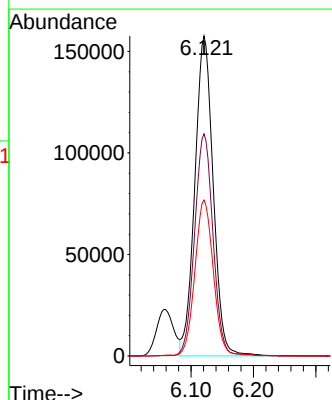
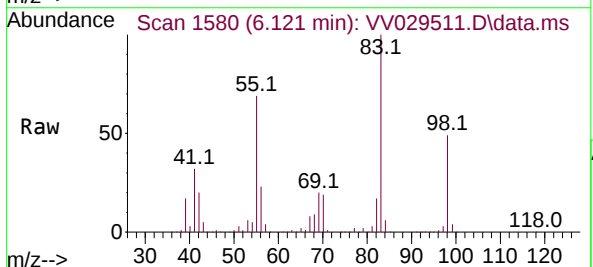
Tgt Ion: 83 Resp: 321761

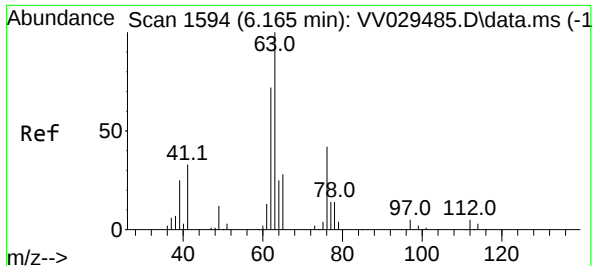
Ion Ratio Lower Upper

83 100

55 69.2 55.5 83.3

98 48.5 39.8 59.8





#37

1,2-Dichloropropane

Concen: 53.823 ug/L

RT: 6.162 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

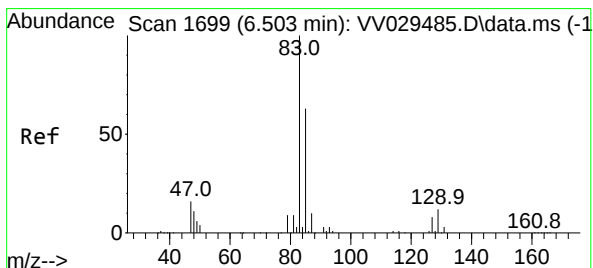
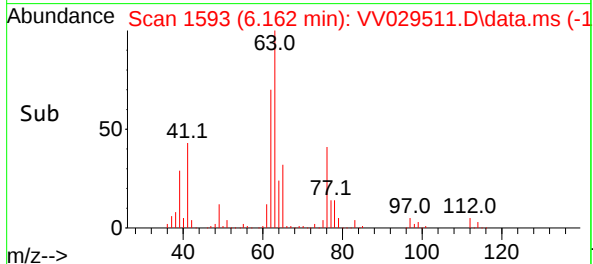
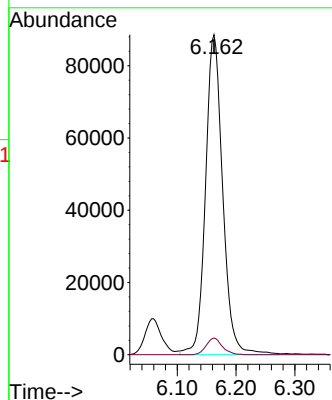
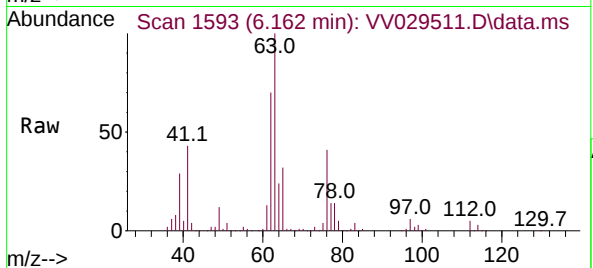
VSTD050379

Tgt Ion: 63 Resp: 179698

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 50.391 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

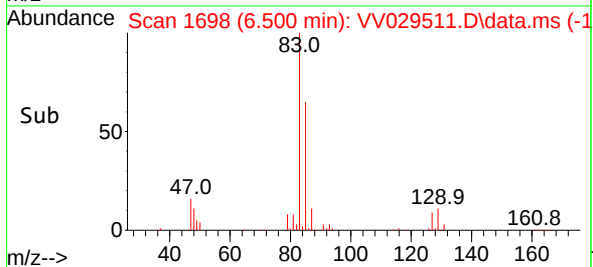
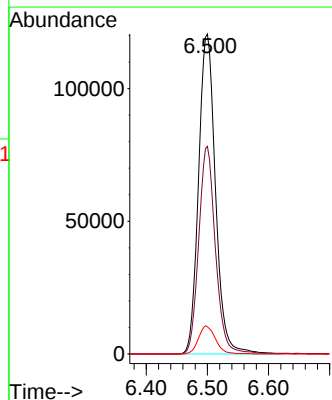
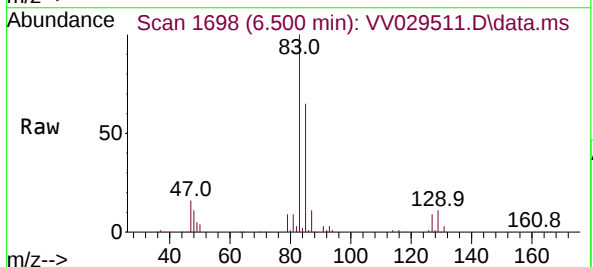
Tgt Ion: 83 Resp: 232250

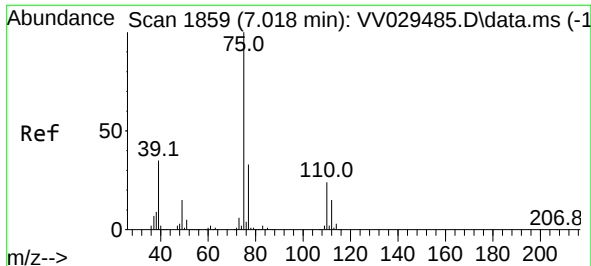
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 42.962 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

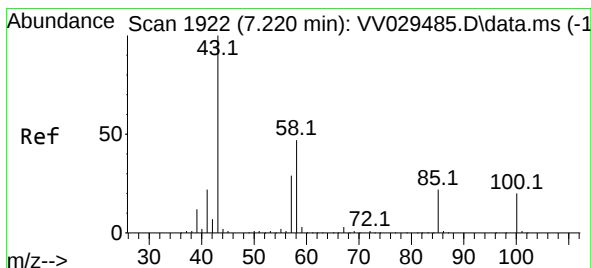
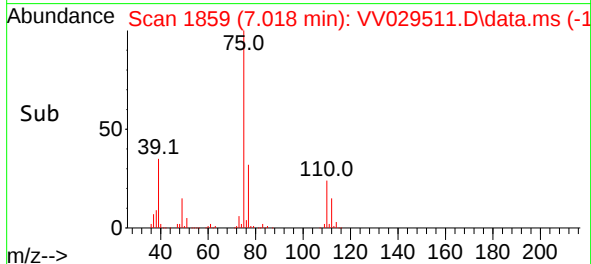
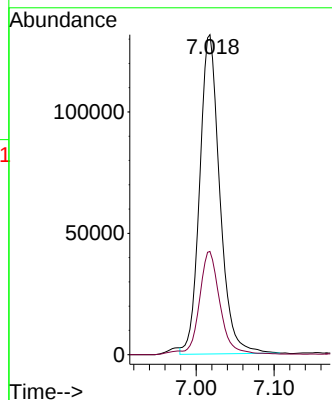
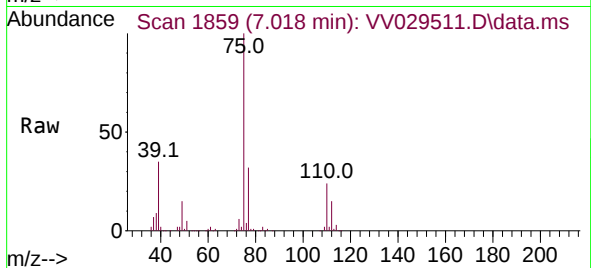
VSTD050379

Tgt Ion: 75 Resp: 235899

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 112.563 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

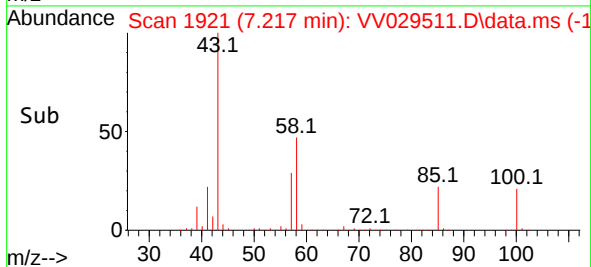
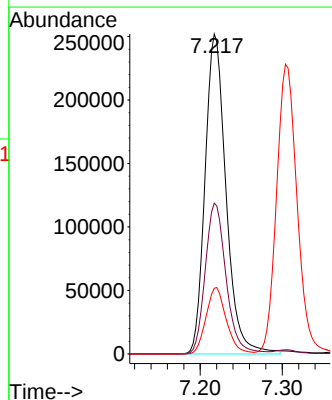
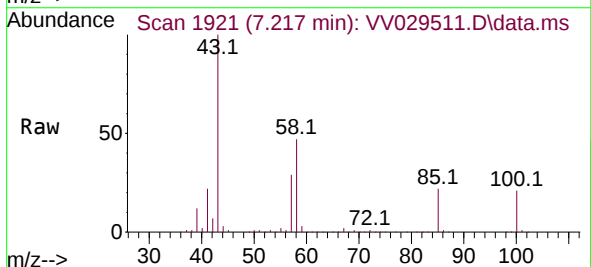
Tgt Ion: 43 Resp: 448085

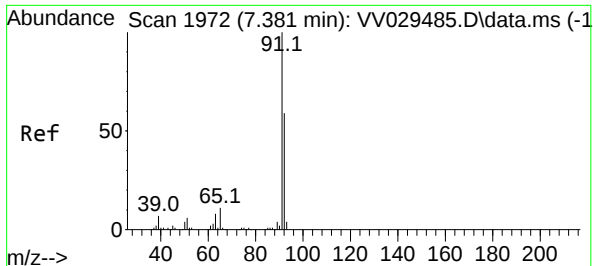
Ion Ratio Lower Upper

43 100

58 46.9 37.5 56.3

100 20.1 16.7 25.1

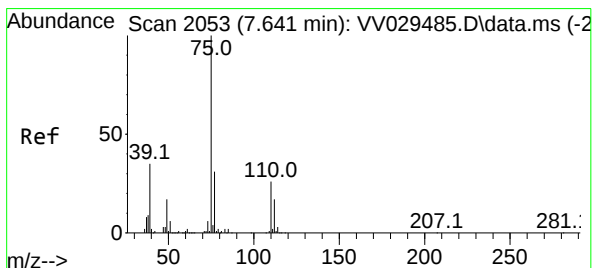
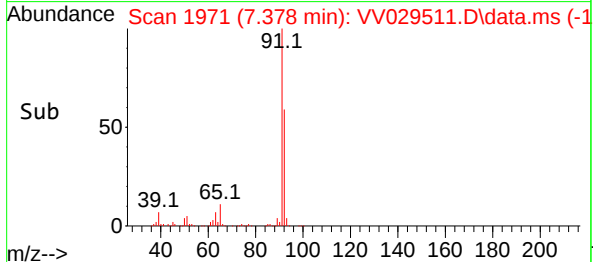
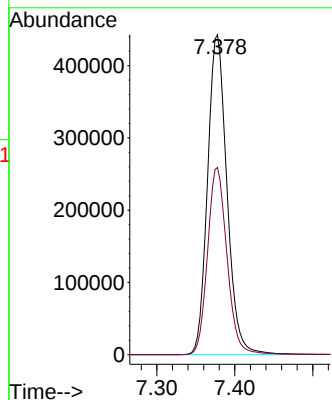
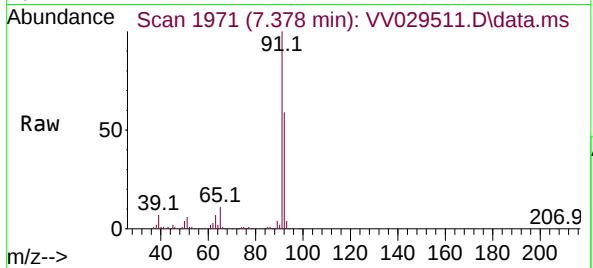




#42
Toluene
Concen: 51.471 ug/L
RT: 7.378 min Scan# 1972
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

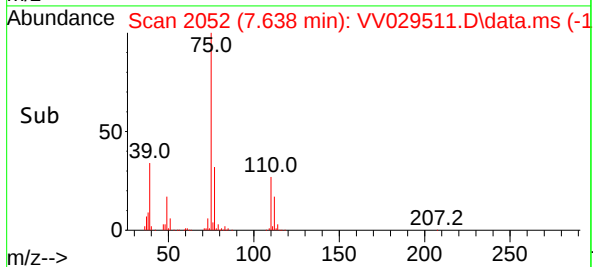
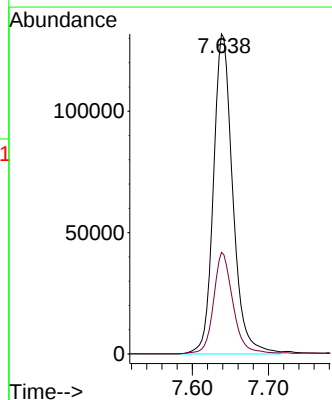
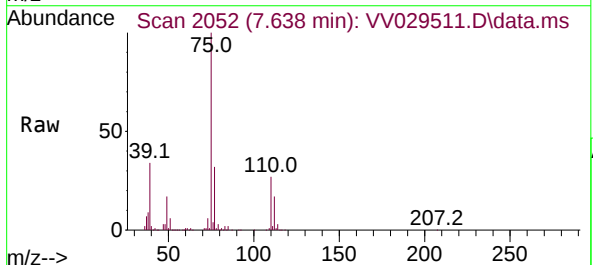
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

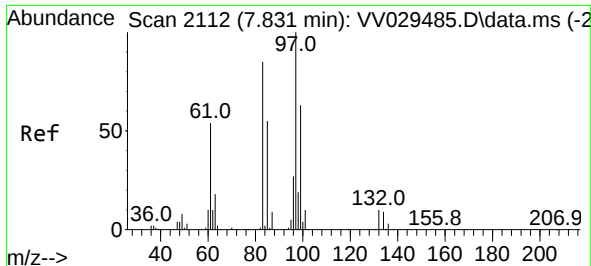
Tgt Ion: 91 Resp: 766347
Ion Ratio Lower Upper
91 100
92 58.5 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 44.741 ug/L
RT: 7.638 min Scan# 2052
Delta R.T. -0.006 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 75 Resp: 232652
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.5



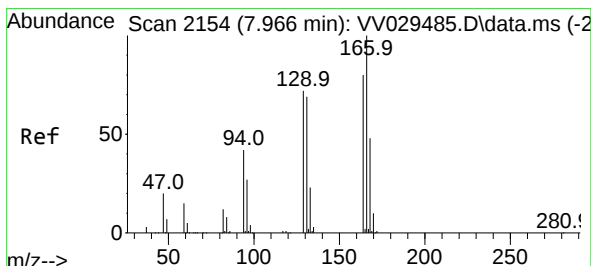
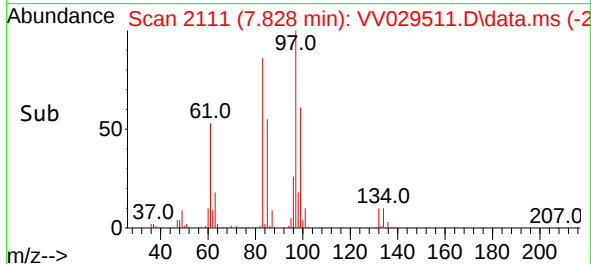
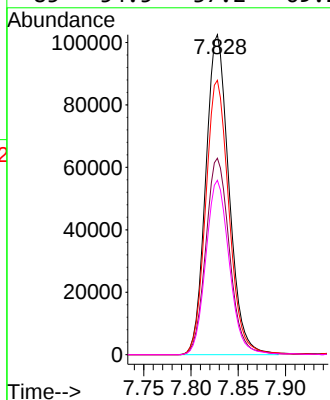
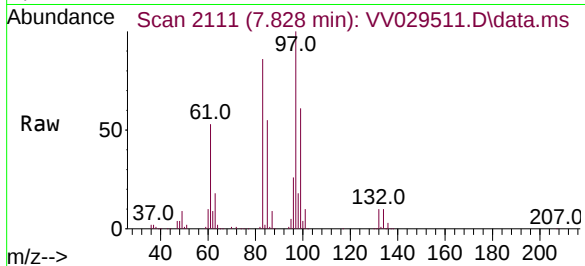


#45
1,1,2-Trichloroethane
Concen: 50.846 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion: 97 Resp: 175383

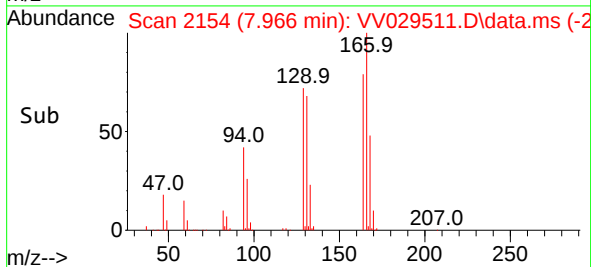
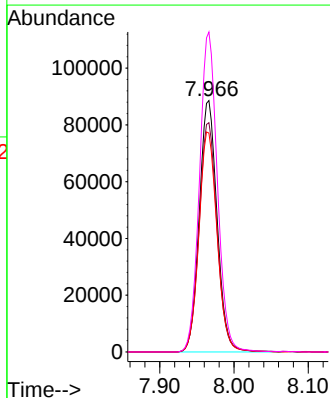
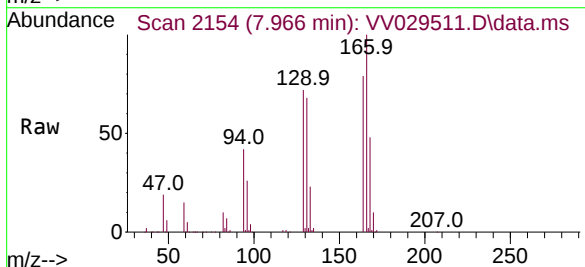
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.8	81.3
83	85.7	58.6	108.8
85	54.5	37.2	69.2

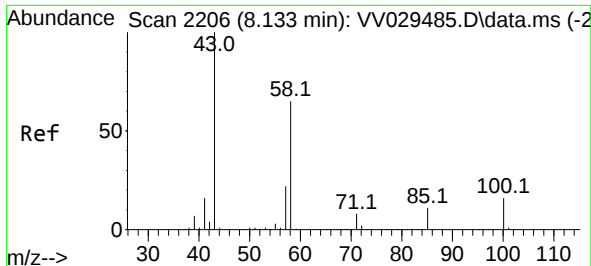


#46
Tetrachloroethene
Concen: 53.244 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 164 Resp: 148384

Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.3	121.3
131	87.1	63.1	117.1
166	127.3	90.8	168.6



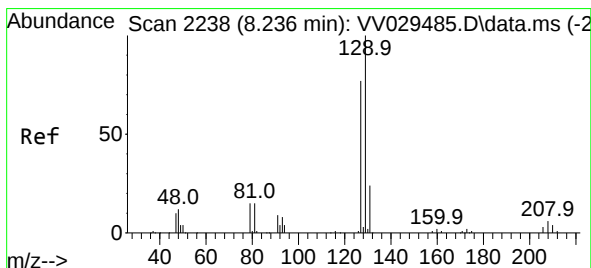
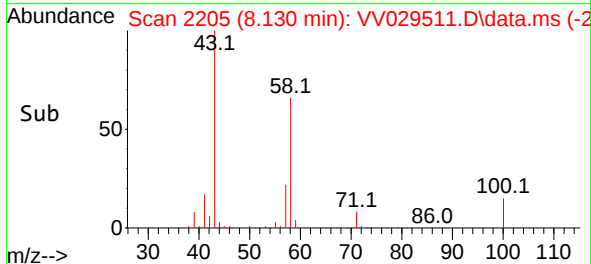
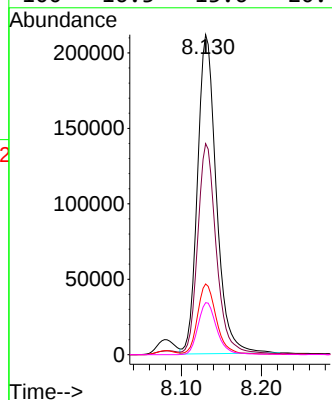
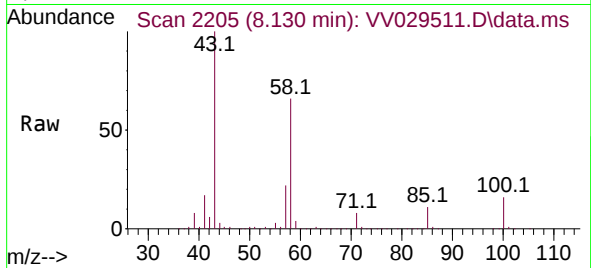


#48
2-Hexanone
Concen: 114.364 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion: 43 Resp: 347814

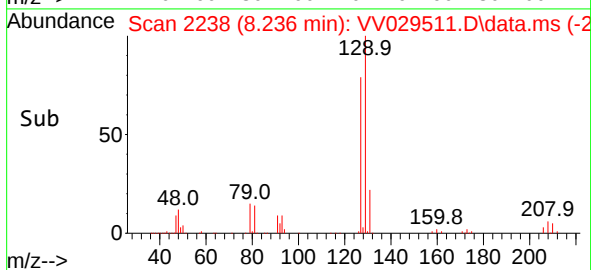
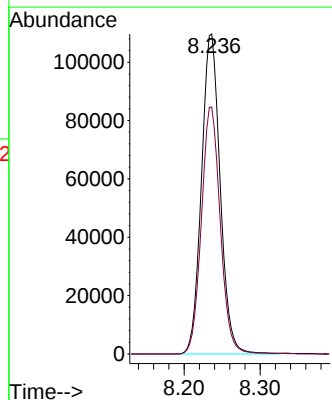
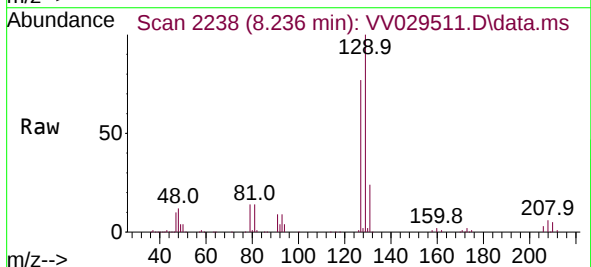
Ion	Ratio	Lower	Upper
43	100		
58	65.6	54.1	81.1
57	22.0	17.4	26.0
100	16.3	13.6	20.4

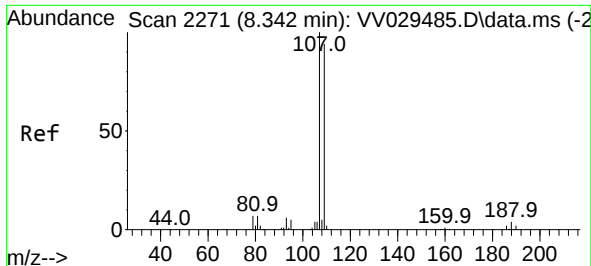


#49
Dibromochloromethane
Concen: 49.215 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 129 Resp: 187420

Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.2	102.4





#50

1,2-Dibromoethane

Concen: 50.175 ug/L

RT: 8.339 min Scan# 21

Delta R.T. -0.006 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

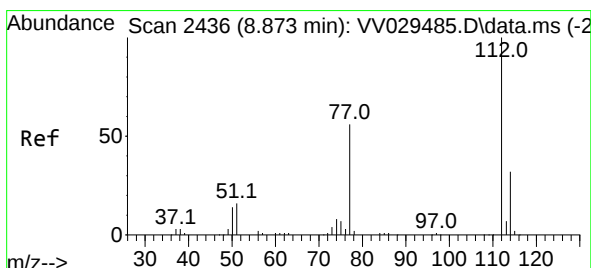
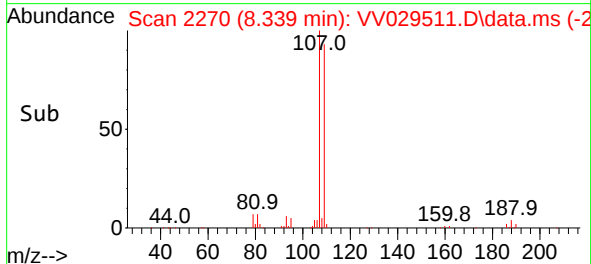
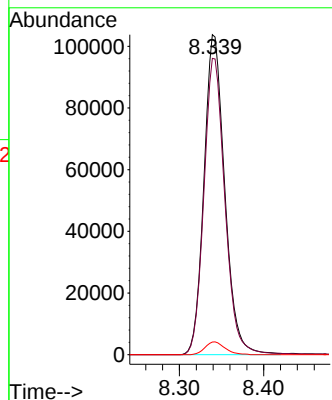
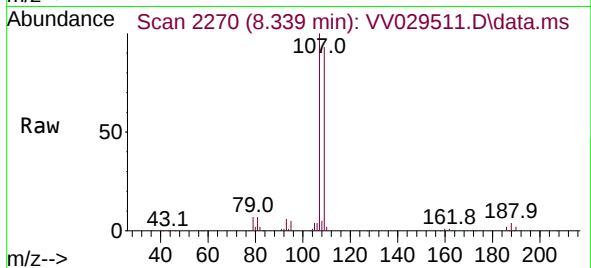
Tgt Ion:107 Resp: 178302

Ion Ratio Lower Upper

107 100

109 92.6 66.0 122.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 52.541 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

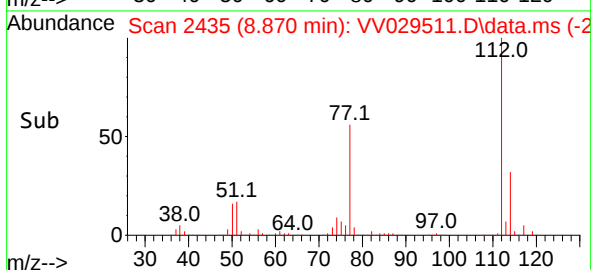
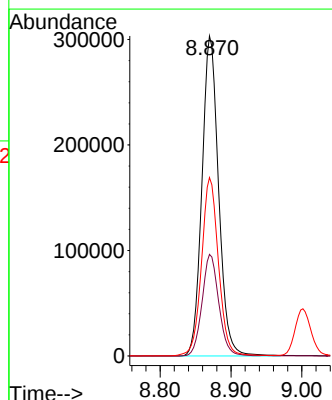
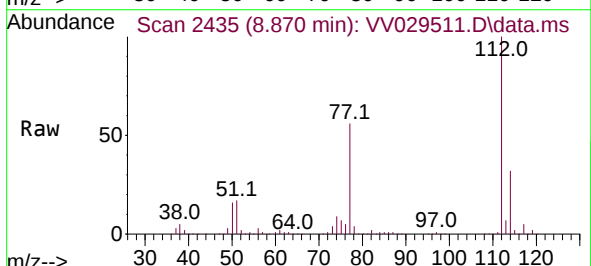
Tgt Ion:112 Resp: 495353

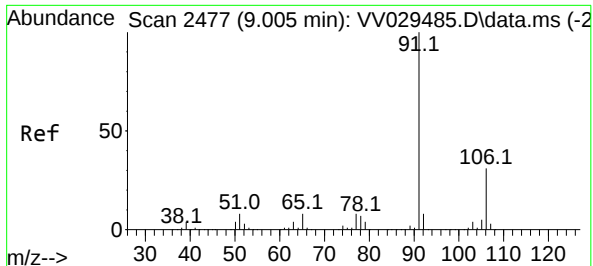
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 55.8 45.0 67.4

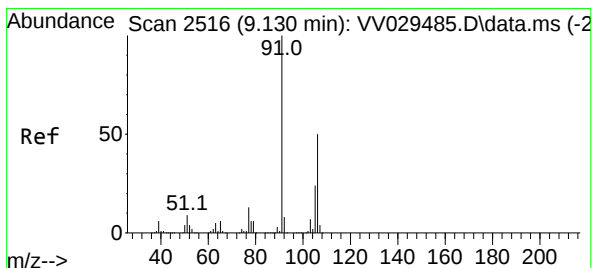
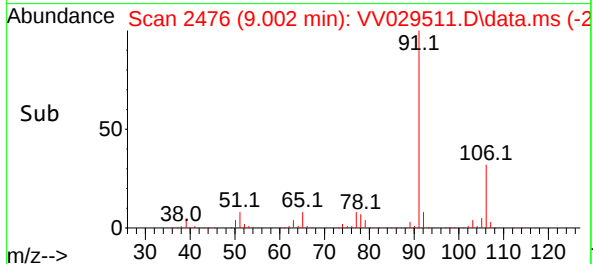
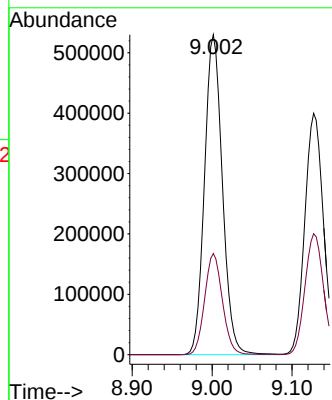
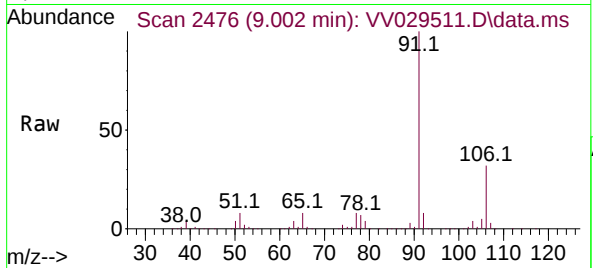




#52
Ethylbenzene
Concen: 52.828 ug/L
RT: 9.002 min Scan# 2477
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

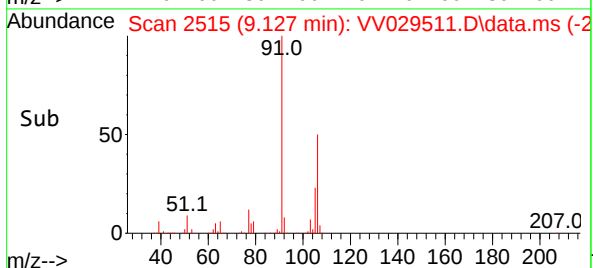
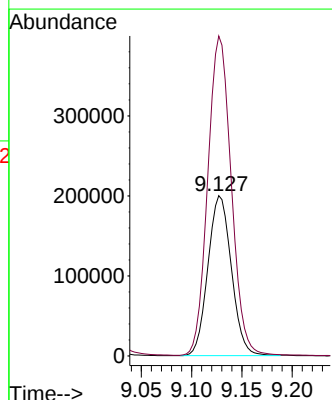
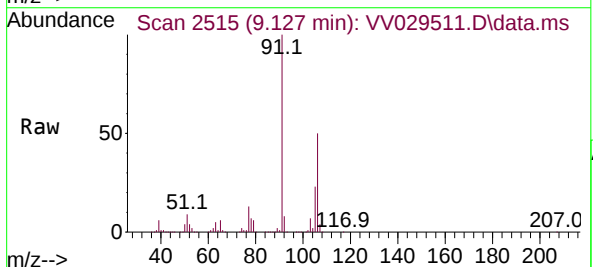
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

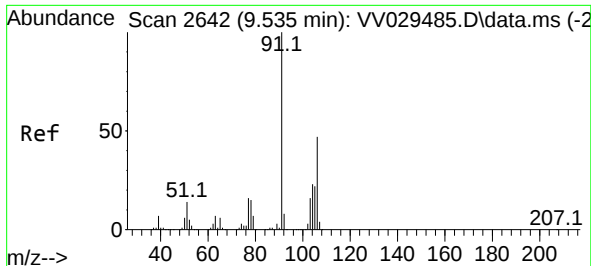
Tgt Ion: 91 Resp: 826933
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 52.415 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 106 Resp: 324736
Ion Ratio Lower Upper
106 100
91 199.7 139.5 259.1

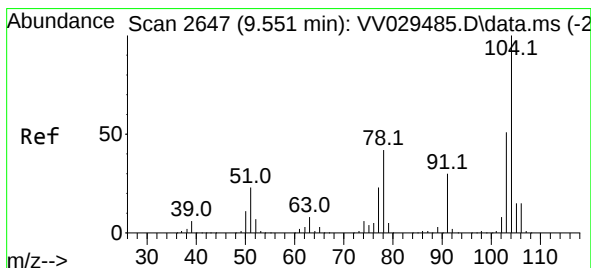
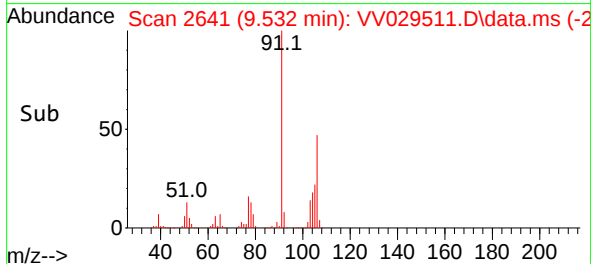
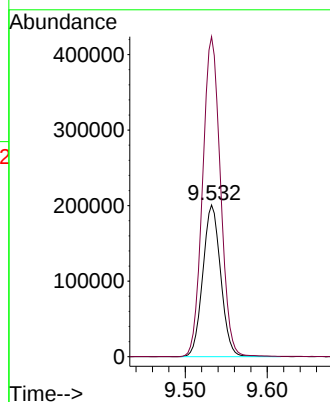
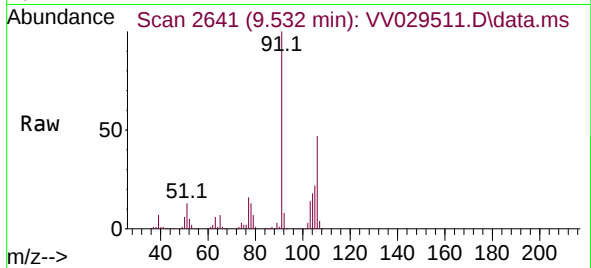




#54
o-Xylene
Concen: 49.585 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

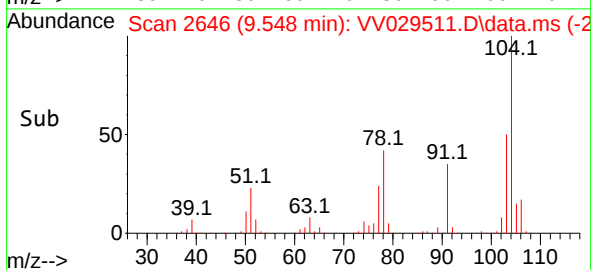
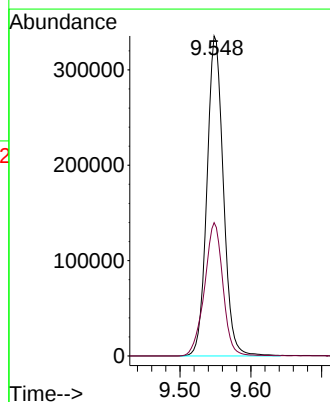
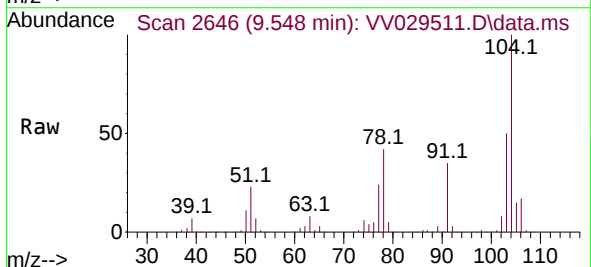
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

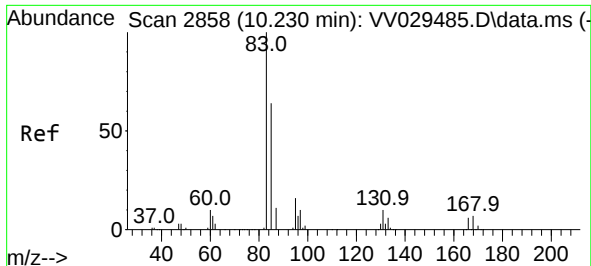
Tgt Ion:106 Resp: 303873
Ion Ratio Lower Upper
106 100
91 211.1 148.0 274.8



#55
Styrene
Concen: 50.702 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion:104 Resp: 539970
Ion Ratio Lower Upper
104 100
78 41.7 29.4 54.6

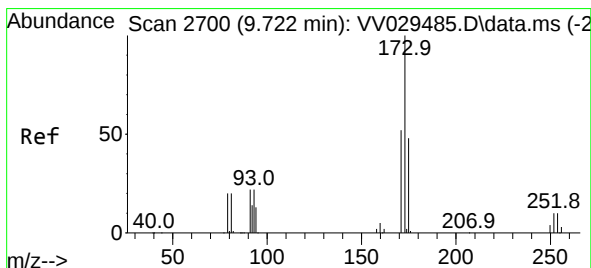
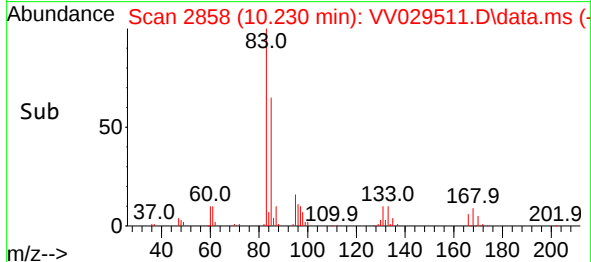
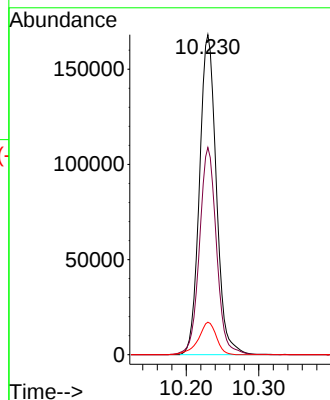
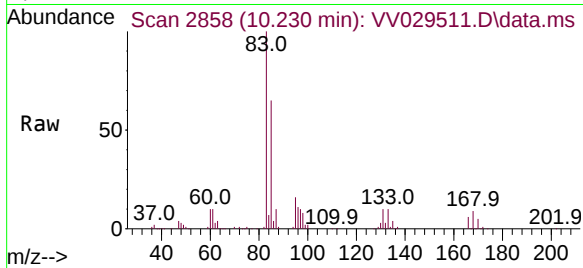




#57
1,1,2,2-Tetrachloroethane
Concen: 49.131 ug/L
RT: 10.230 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

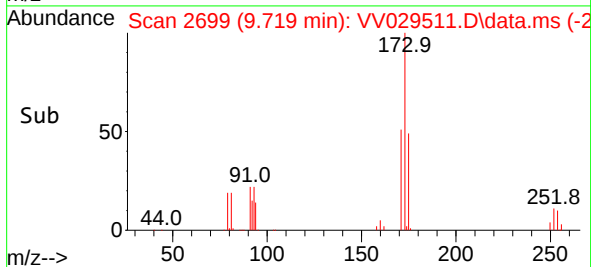
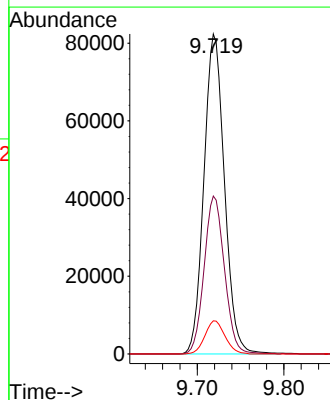
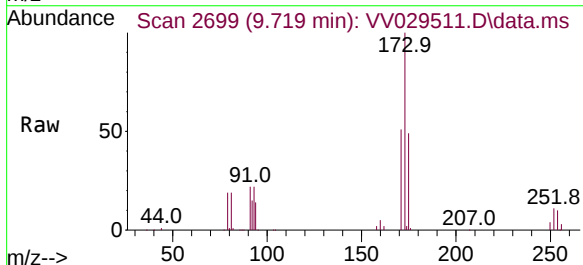
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

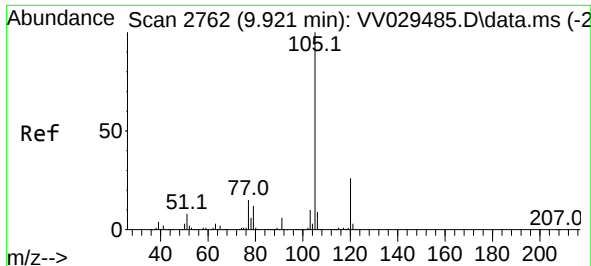
Tgt Ion: 83 Resp: 271084
Ion Ratio Lower Upper
83 100
85 64.8 45.7 84.9
131 10.2 7.9 11.9



#59
Bromoform
Concen: 47.130 ug/L
RT: 9.719 min Scan# 2699
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 173 Resp: 135555
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 10.1 7.8 11.8

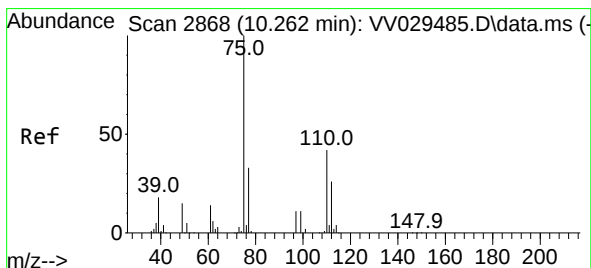
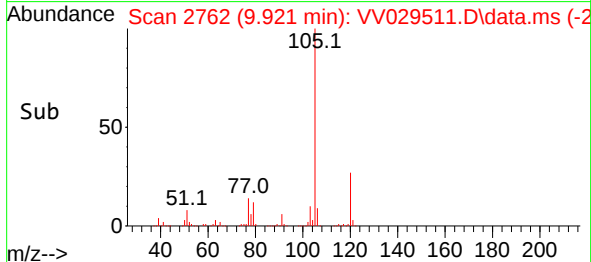
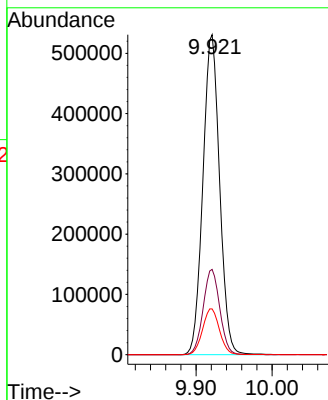
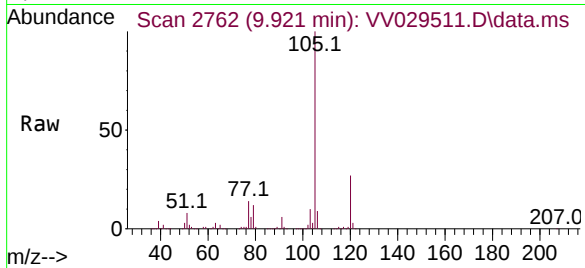




#60
Isopropylbenzene
Concen: 52.925 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

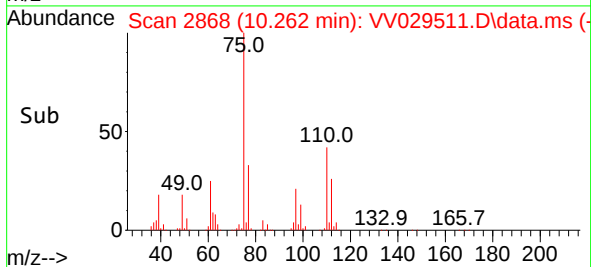
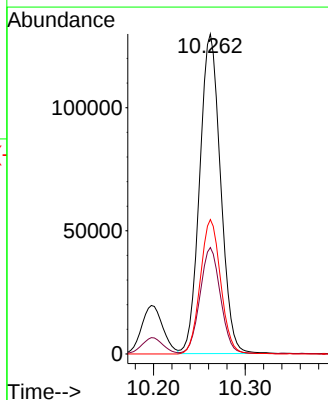
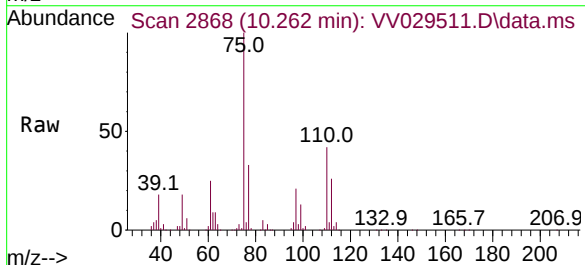
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

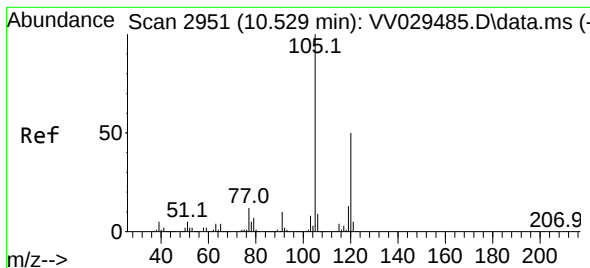
Tgt Ion:105 Resp: 809043
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 14.5 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 51.093 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 75 Resp: 205343
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2
110 41.0 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 52.500 ug/L

RT: 10.526 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

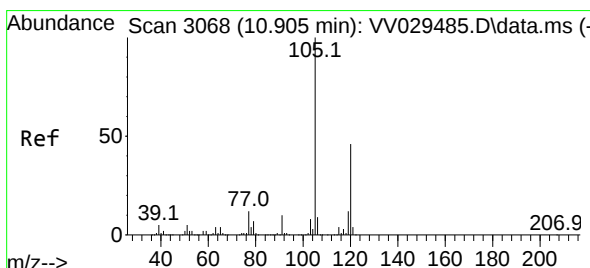
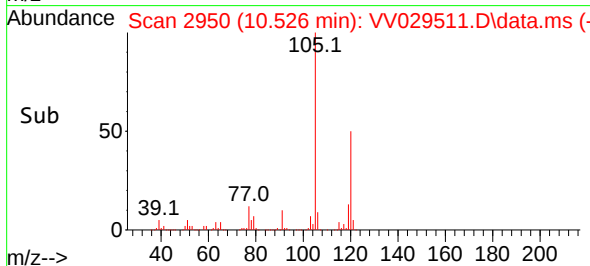
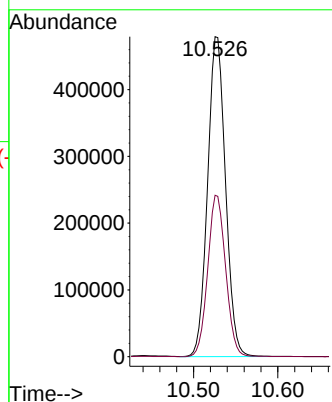
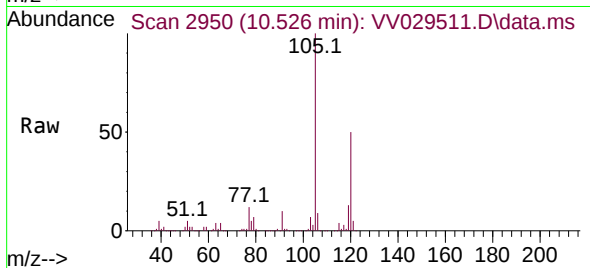
VSTD050379

Tgt Ion:105 Resp: 709600

Ion Ratio Lower Upper

105 100

120 50.4 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 52.727 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.003 min

Lab File: VV029511.D

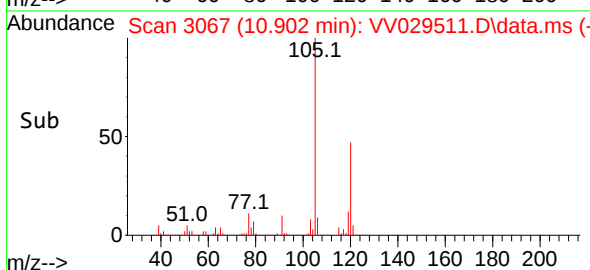
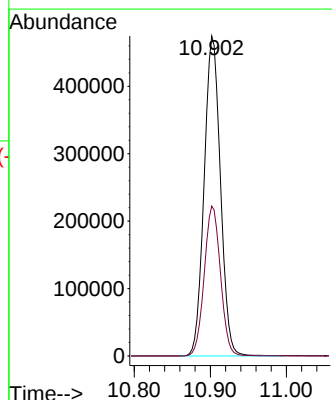
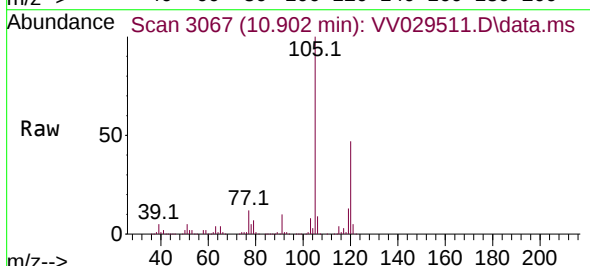
Acq: 09 Dec 2022 10:53

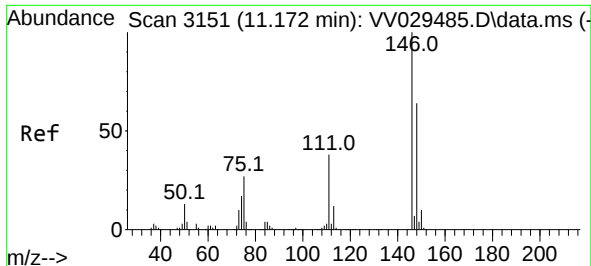
Tgt Ion:105 Resp: 706446

Ion Ratio Lower Upper

105 100

120 46.6 36.7 55.1

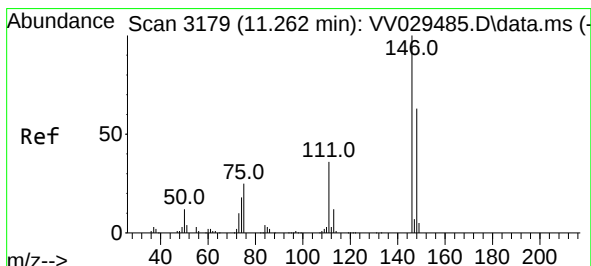
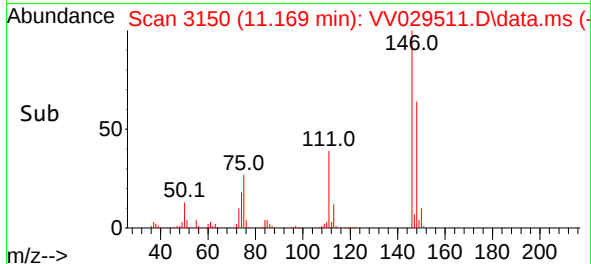
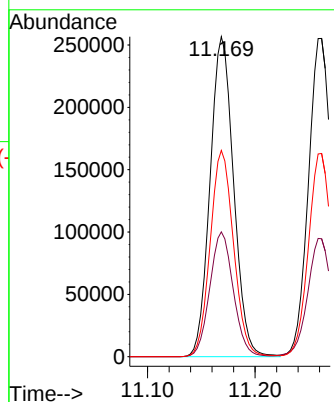
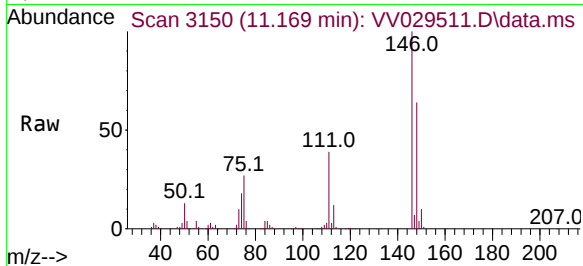




#64
1,3-Dichlorobenzene
Concen: 52.281 ug/L
RT: 11.169 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

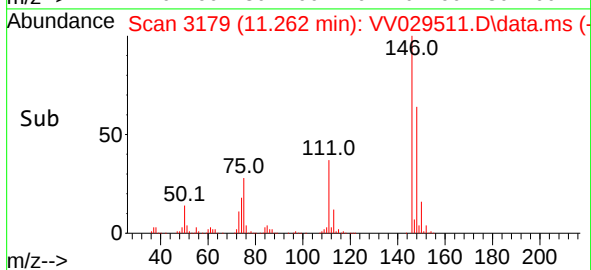
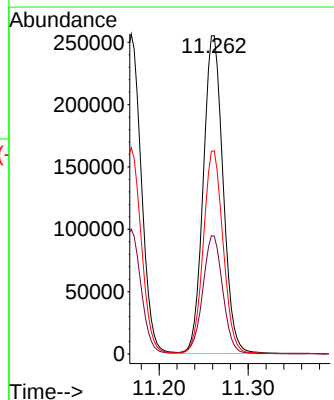
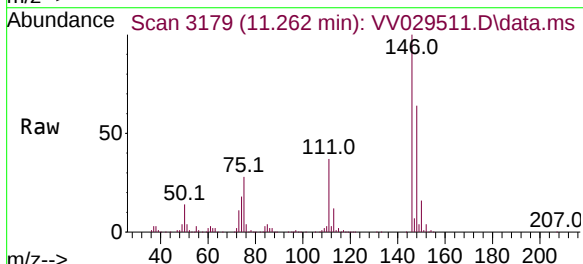
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

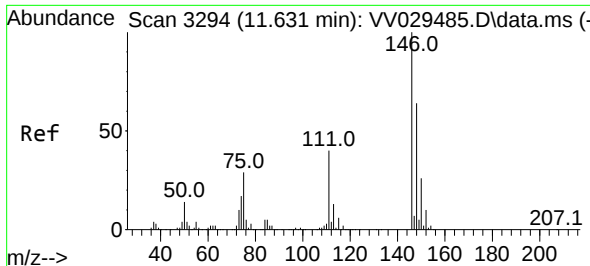
Tgt Ion:146 Resp: 390773
Ion Ratio Lower Upper
146 100
111 39.0 27.4 51.0
148 64.5 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 51.755 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion:146 Resp: 393140
Ion Ratio Lower Upper
146 100
111 37.0 26.2 48.8
148 63.9 44.7 83.1

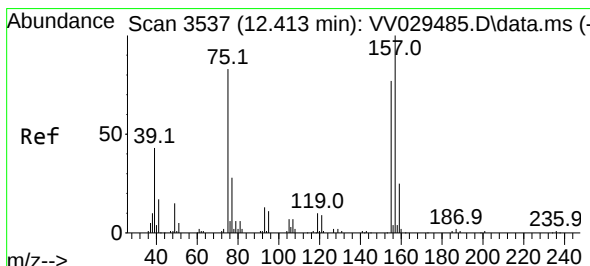
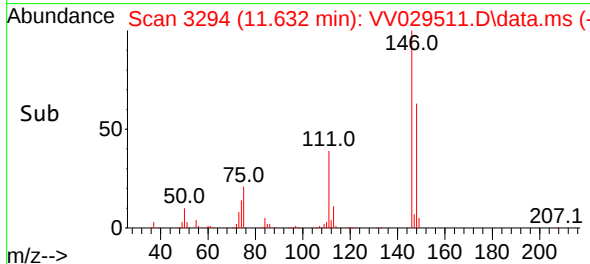
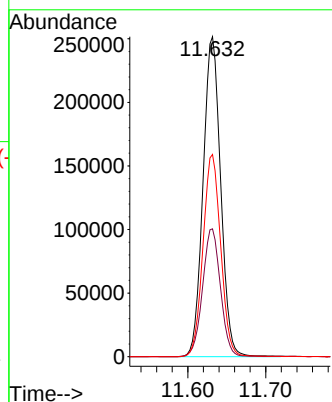
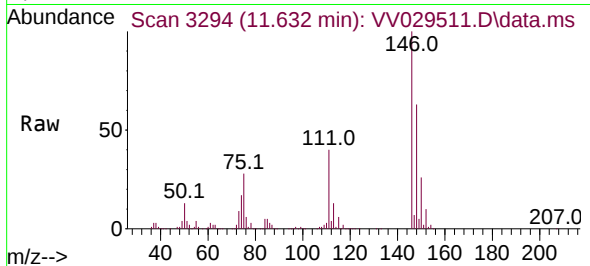




#67
1,2-Dichlorobenzene
Concen: 51.602 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

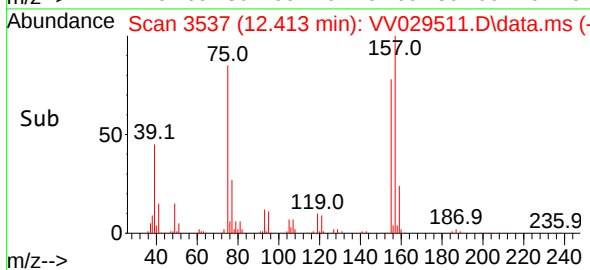
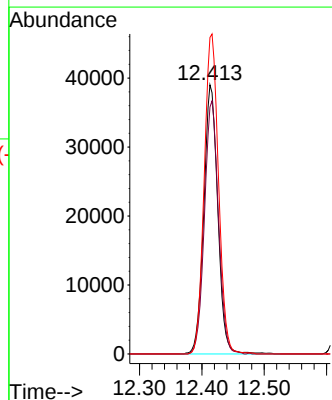
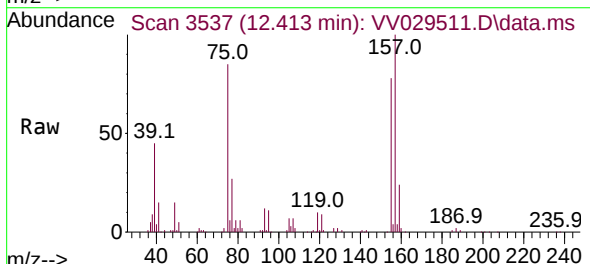
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

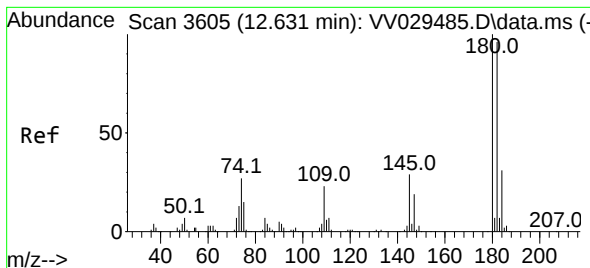
Tgt Ion:146 Resp: 394407
Ion Ratio Lower Upper
146 100
111 39.9 32.0 48.0
148 63.2 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 48.813 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion: 75 Resp: 60974
Ion Ratio Lower Upper
75 100
155 91.7 76.2 114.2
157 117.6 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 52.365 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

Tgt Ion:180 Resp: 311478

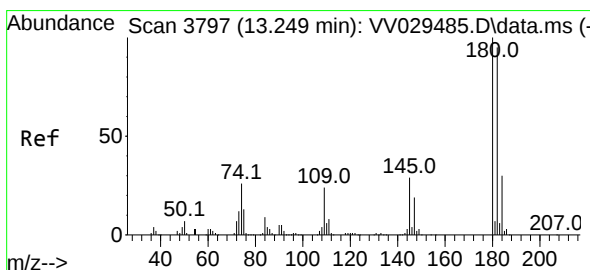
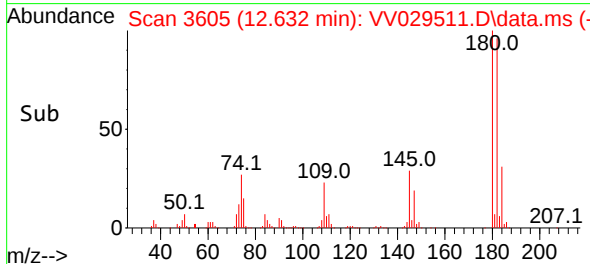
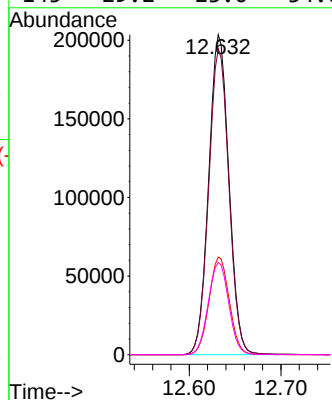
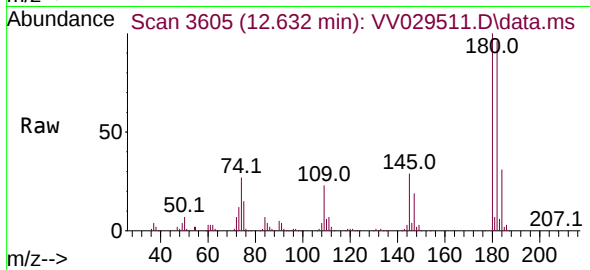
Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

184 30.7 24.6 36.8

145 29.2 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 54.192 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029511.D

Acq: 09 Dec 2022 10:53

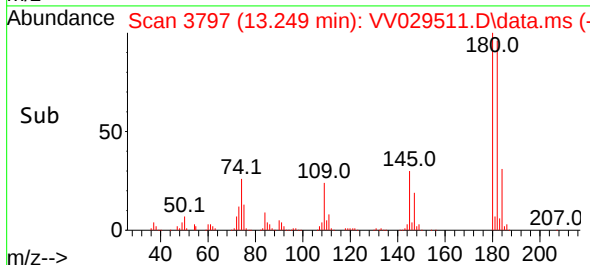
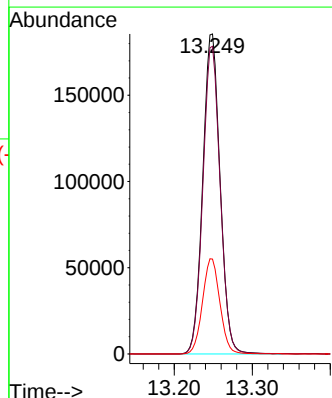
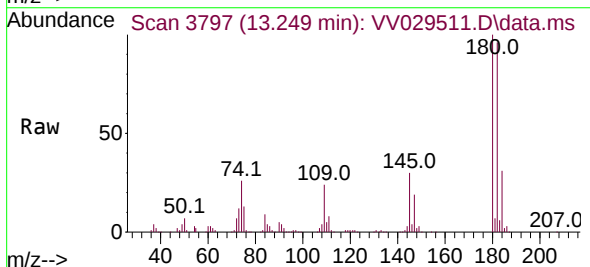
Tgt Ion:180 Resp: 286643

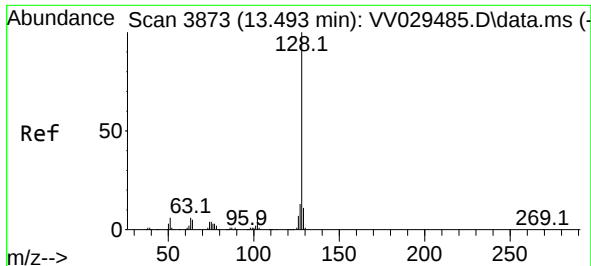
Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 29.8 23.7 35.5

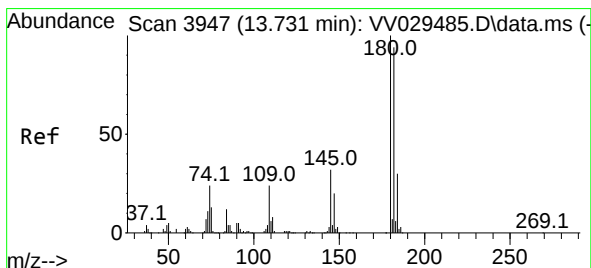
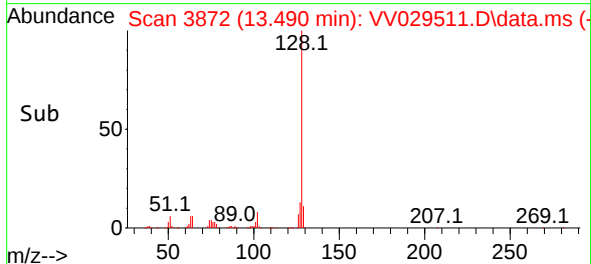
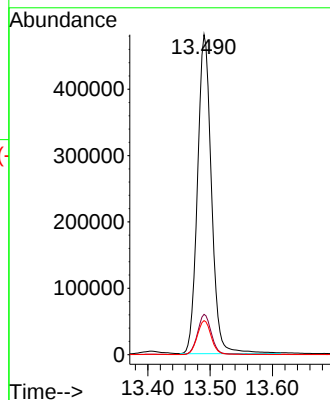
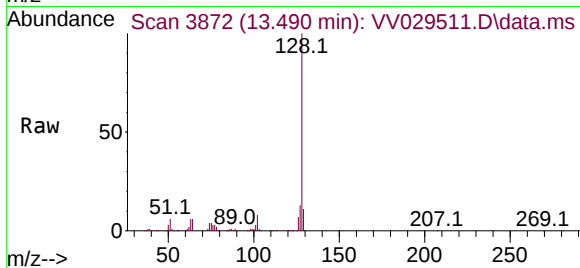




#71
Naphthalene
Concen: 62.467 ug/L
RT: 13.490 min Scan# 3873
Delta R.T. -0.003 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion:128 Resp: 749473
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.6 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 54.560 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV029511.D
Acq: 09 Dec 2022 10:53

Tgt Ion:180 Resp: 282664
Ion Ratio Lower Upper
180 100
182 94.9 76.4 114.6
145 31.3 25.0 37.6

