

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040422\
 Data File : VW022382.D
 Acq On : 04 Apr 2022 12:50
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025591

Quant Time: Apr 05 01:39:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 02 02:06:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	252941	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	243579	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	135976	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	99383	23.974	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.880%
7) Chloroethane-d5	2.891	69	70371	28.435	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.760%
11) 1,1-Dichloroethene-d2	4.025	63	155663	25.308	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.240%
21) 2-Butanone-d5	7.080	46	40108	39.596	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.200%
24) Chloroform-d	7.653	84	174579	24.753	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	8.305	65	97245	23.318	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.280%
32) Benzene-d6	8.275	84	340359	25.446	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	9.274	67	96979	24.150	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.600%
41) Toluene-d8	10.323	98	340891	26.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.160%
43) trans-1,3-Dichloroprop...	10.579	79	49356	24.442	ug/L	0.00
Spiked Amount	50.000	Range	30 - 135	Recovery	=	48.880%
47) 2-Hexanone-d5	10.921	63	34885	42.409	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.820%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	81372	24.020	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	110012	25.062	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.240%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	24975	18.761	ug/L	93
3) Chloromethane	2.221	50	59330	19.293	ug/L	94
5) Vinyl chloride	2.367	62	125270	24.934	ug/L	99
6) Bromomethane	2.782	94	77889	30.105	ug/L	91
8) Chloroethane	2.928	64	59124	28.297	ug/L	95
9) Trichlorofluoromethane	3.257	101	48677	32.721	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	85438	25.129	ug/L	96
12) 1,1-Dichloroethene	4.044	96	78971	24.782	ug/L	83
13) Acetone	4.129	43	30064	43.343	ug/L	90
14) Carbon disulfide	4.391	76	256570	25.521	ug/L	96
15) Methyl Acetate	4.678	43	34266	18.938	ug/L #	88
16) Methylene chloride	4.922	84	83612	22.075	ug/L	83
17) trans-1,2-Dichloroethene	5.428	96	90834	24.066	ug/L	90
18) Methyl tert-butyl Ether	5.428	73	146647	22.291	ug/L #	94
19) 1,1-Dichloroethane	6.220	63	160494	23.156	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	96630	24.040	ug/L	87
22) 2-Butanone	7.171	43	45764	41.828	ug/L	93
23) Bromochloromethane	7.513	128	41512	23.543	ug/L #	65
25) Chloroform	7.677	83	167651	23.696	ug/L	97

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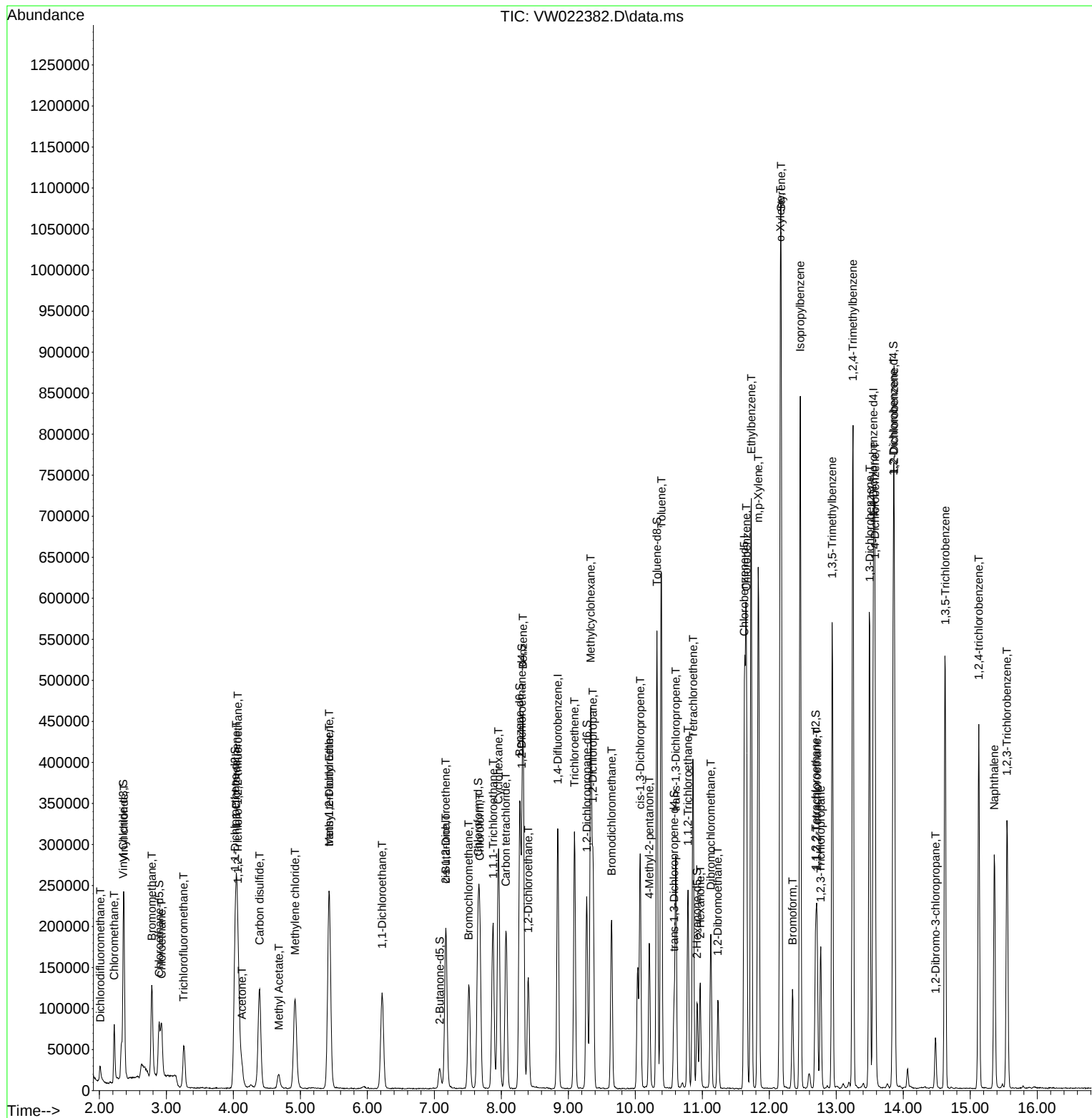
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 Quant Title : SFAM01.0
 QLast Update : Sat Apr 02 02:06:11 2022
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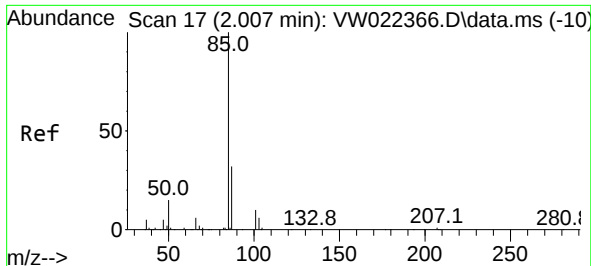
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	119564	22.507	ug/L	95
29) Cyclohexane	7.958	56	155430	23.439	ug/L	92
30) 1,1,1-Trichloroethane	7.878	97	152170	25.340	ug/L	94
31) Carbon tetrachloride	8.067	117	134264	24.822	ug/L	97
33) Benzene	8.323	78	385275	24.641	ug/L	100
34) Trichloroethene	9.092	95	103058	25.375	ug/L	96
35) Methylcyclohexane	9.335	83	177412	24.813	ug/L	92
37) 1,2-Dichloropropane	9.366	63	91795	23.691	ug/L	99
38) Bromodichloromethane	9.646	83	130152	24.084	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	149924	23.664	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	112486	41.284	ug/L #	92
42) Toluene	10.390	91	446350	25.666	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	139096	23.706	ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	68870	23.766	ug/L	92
46) Tetrachloroethene	10.866	164	80876	27.770	ug/L	96
48) 2-Hexanone	10.969	43	80112	41.649	ug/L #	94
49) Dibromochloromethane	11.128	129	87231	24.315	ug/L	99
50) 1,2-Dibromoethane	11.231	107	67090	22.796	ug/L	96
51) Chlorobenzene	11.658	112	277428	25.801	ug/L	94
52) Ethylbenzene	11.731	91	493456	25.583	ug/L	98
53) m,p-Xylene	11.835	106	197501	26.826	ug/L	95
54) o-Xylene	12.164	106	185168	25.964	ug/L	88
55) Styrene	12.176	104	314633	25.400	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.713	83	87025	23.451	ug/L	96
59) Bromoform	12.347	173	49214	24.291	ug/L #	99
60) Isopropylbenzene	12.463	105	522445	25.580	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	62399	21.115	ug/L	96
62) 1,3,5-Trimethylbenzene	12.938	105	287715	25.266	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	428742	25.085	ug/L	93
64) 1,3-Dichlorobenzene	13.499	146	214959	26.555	ug/L	93
65) 1,4-Dichlorobenzene	13.579	146	210114	24.735	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	187012	25.111	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	14835	19.480	ug/L	90
69) 1,3,5-Trichlorobenzene	14.627	180	141897	25.881	ug/L	92
70) 1,2,4-trichlorobenzene	15.127	180	118261	26.309	ug/L	99
71) Naphthalene	15.359	128	233838	22.439	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	99784	25.344	ug/L	95

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

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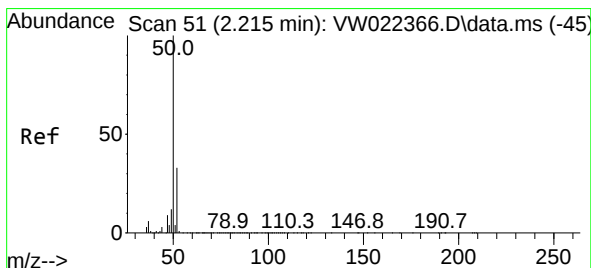
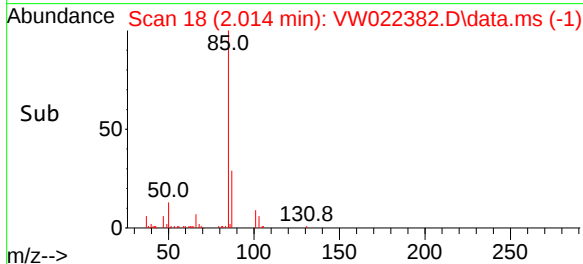
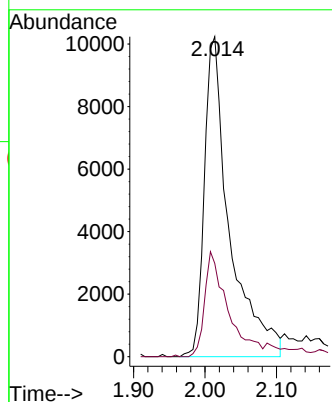
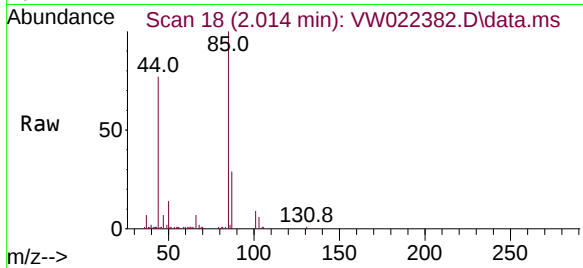




#2
 Dichlorodifluoromethane
 Concen: 18.761 ug/L
 RT: 2.014 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

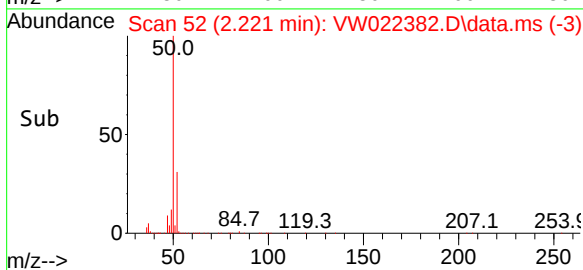
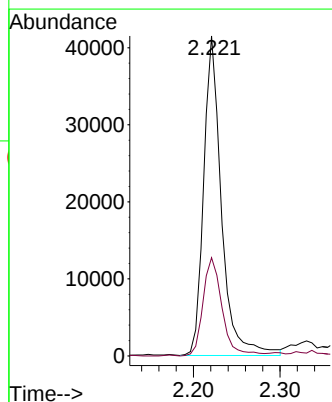
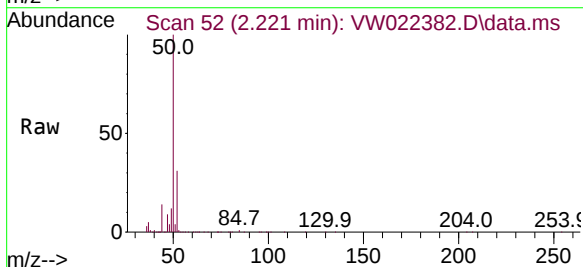
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025591

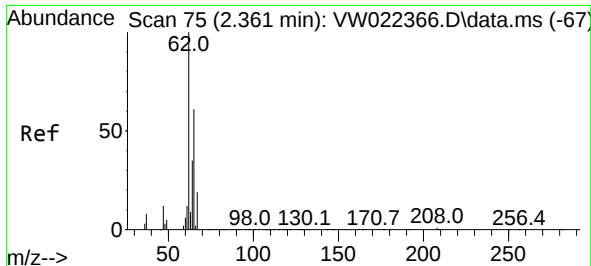
Tgt Ion: 85 Resp: 24975
 Ion Ratio Lower Upper
 85 100
 87 30.3 27.6 41.4



#3
 Chloromethane
 Concen: 19.293 ug/L
 RT: 2.221 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

Tgt Ion: 50 Resp: 59330
 Ion Ratio Lower Upper
 50 100
 52 30.7 23.9 44.5

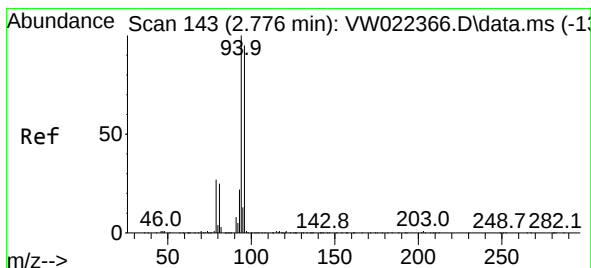
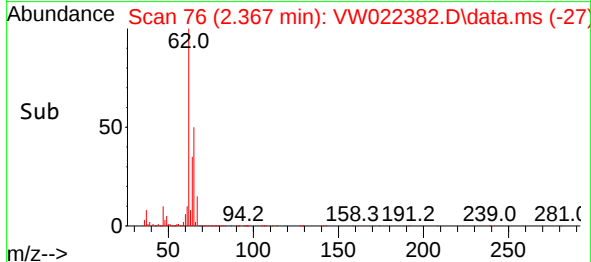
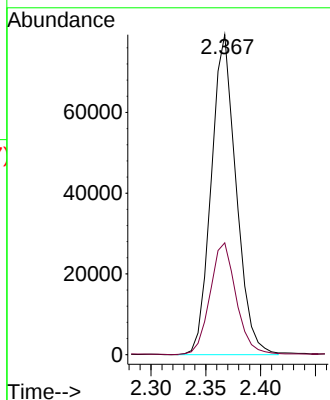
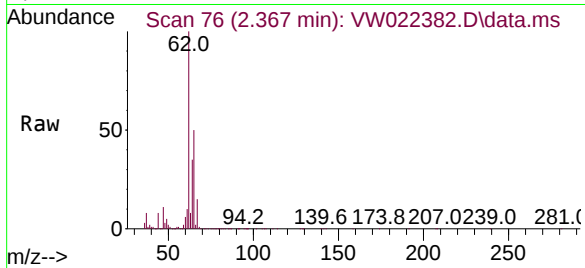




#5
 Vinyl chloride
 Concen: 24.934 ug/L
 RT: 2.367 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

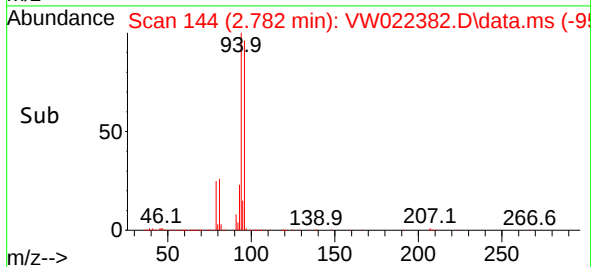
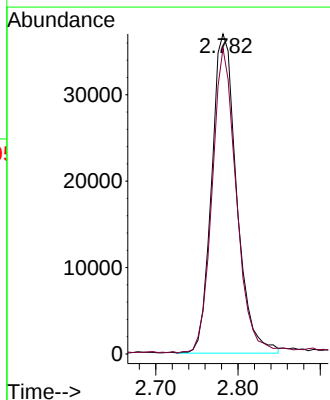
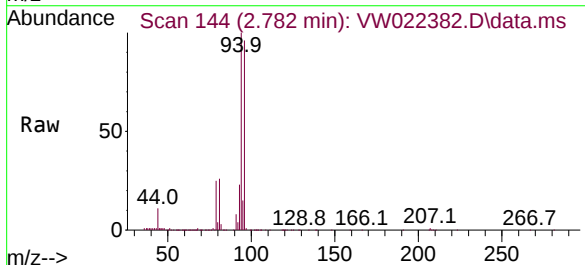
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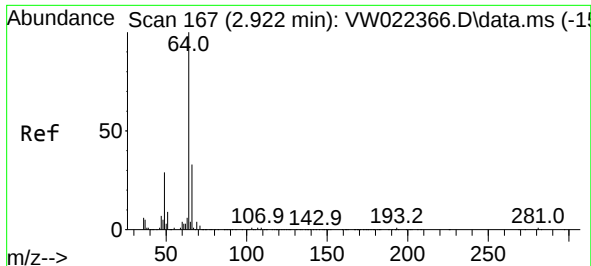
Tgt Ion: 62 Resp: 125270
 Ion Ratio Lower Upper
 62 100
 64 34.9 24.7 45.9



#6
 Bromomethane
 Concen: 30.105 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

Tgt Ion: 94 Resp: 77889
 Ion Ratio Lower Upper
 94 100
 96 95.5 61.2 113.8

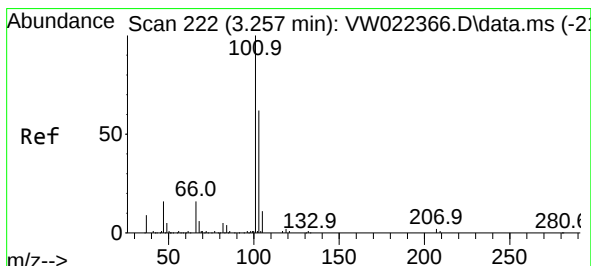
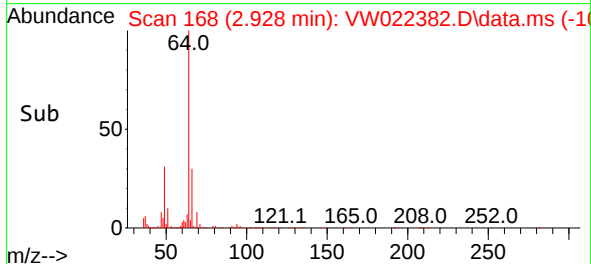
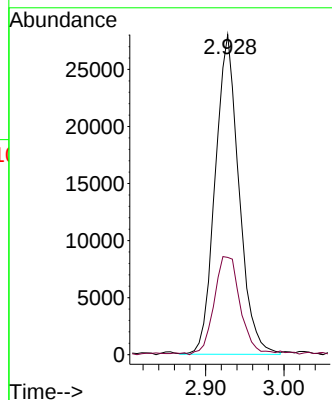
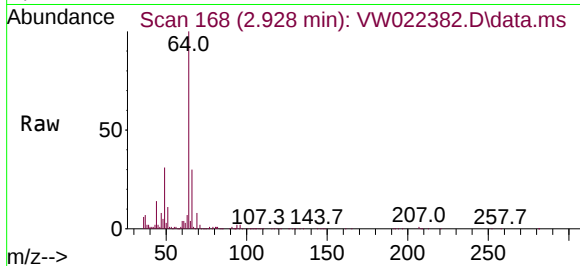




#8
Chloroethane
Concen: 28.297 ug/L
RT: 2.928 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

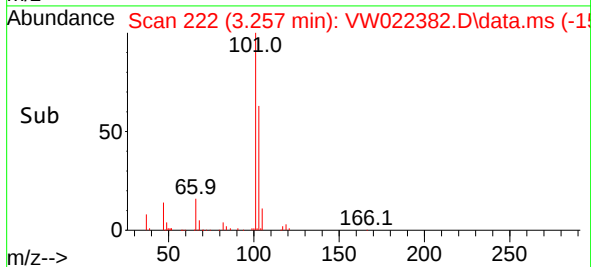
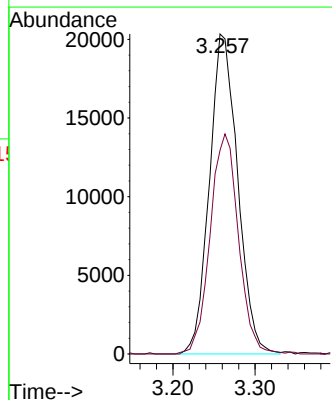
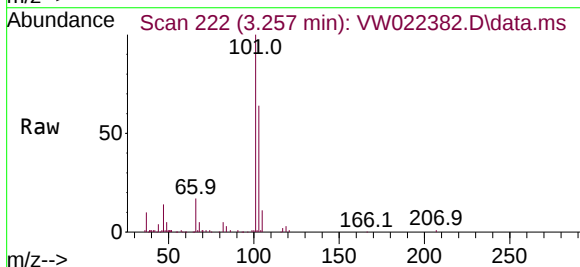
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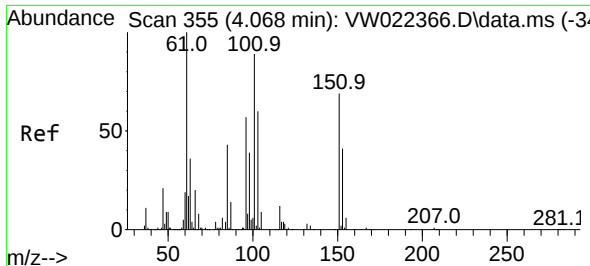
Tgt Ion: 64 Resp: 59124
Ion Ratio Lower Upper
64 100
66 30.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 32.721 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 101 Resp: 48677
Ion Ratio Lower Upper
101 100
103 68.6 53.2 79.8

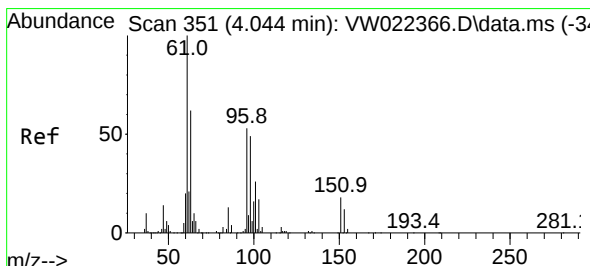
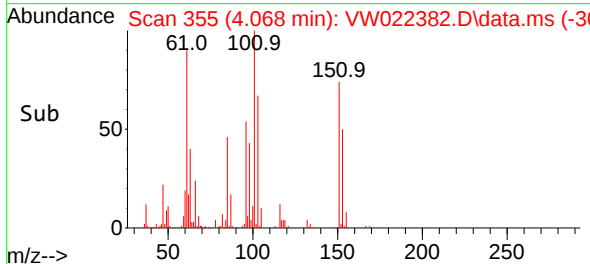
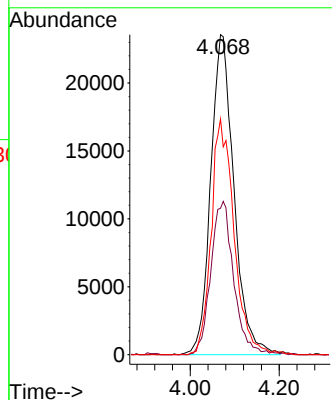
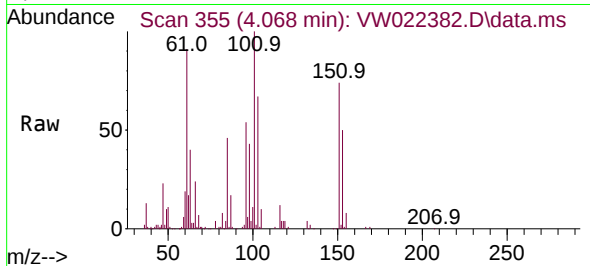




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.129 ug/L
 RT: 4.068 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

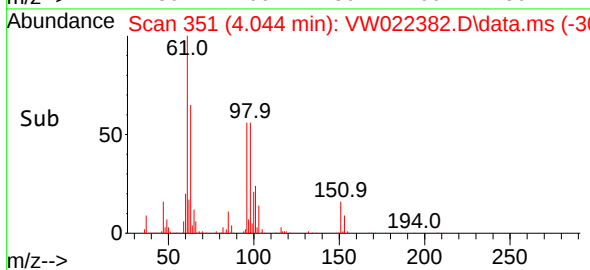
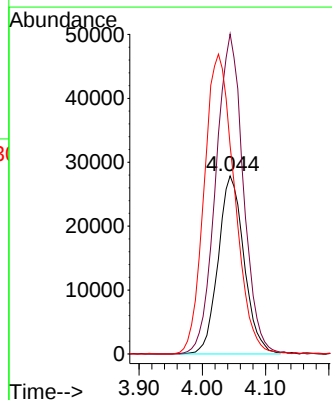
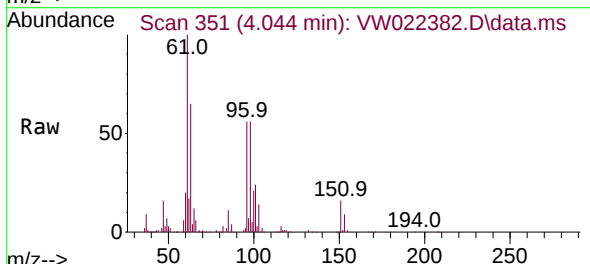
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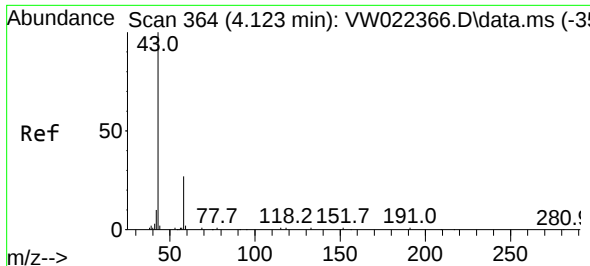
Tgt Ion:101 Resp: 85438
 Ion Ratio Lower Upper
 101 100
 85 46.7 34.4 51.6
 151 70.6 59.0 88.4



#12
 1,1-Dichloroethene
 Concen: 24.782 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW022382.D
 Acq: 04 Apr 2022 12:50

Tgt Ion: 96 Resp: 78971
 Ion Ratio Lower Upper
 96 100
 61 179.6 108.4 201.2
 63 116.9 72.0 133.6

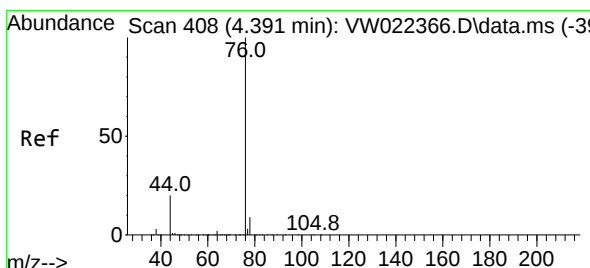
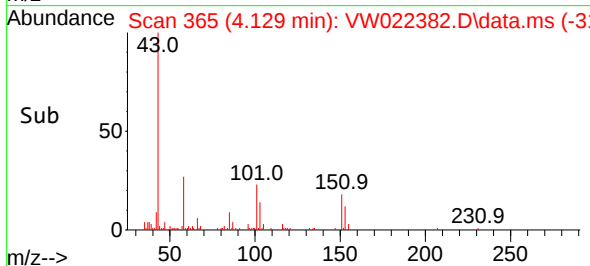
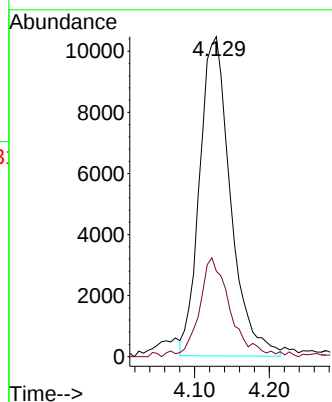
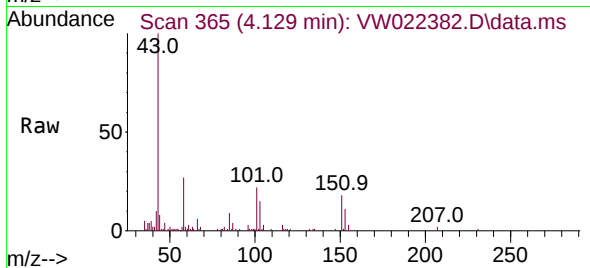




#13
Acetone
Concen: 43.343 ug/L
RT: 4.129 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

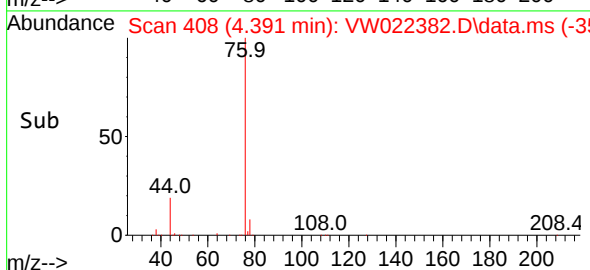
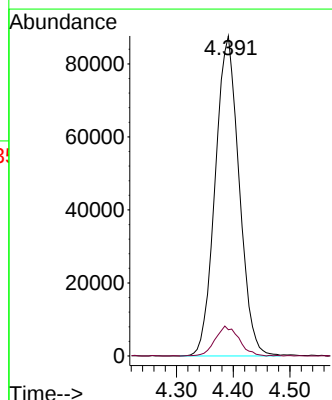
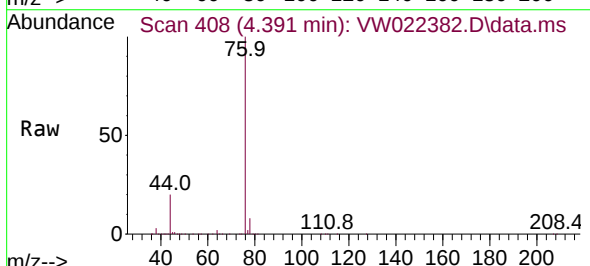
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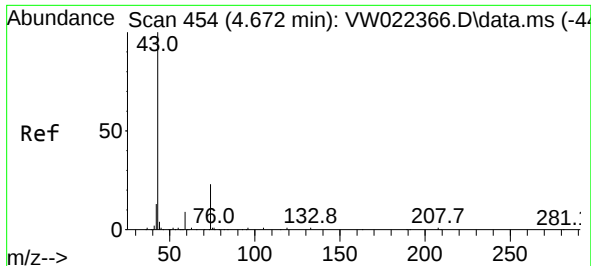
Tgt Ion: 43 Resp: 30064
Ion Ratio Lower Upper
43 100
58 28.6 0.0 69.2



#14
Carbon disulfide
Concen: 25.521 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.000 min
Lab File: VW022382.D
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Tgt Ion: 76 Resp: 256570
Ion Ratio Lower Upper
76 100
78 8.2 7.8 11.8

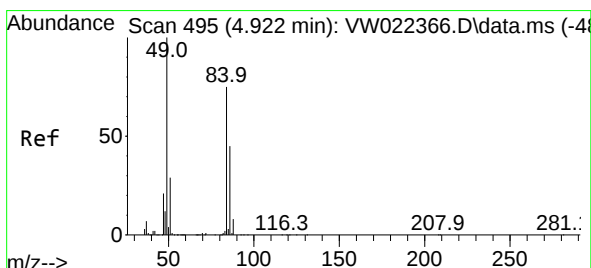
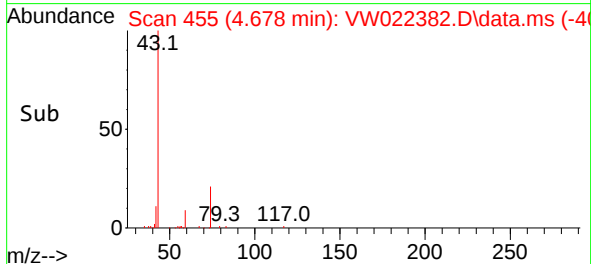
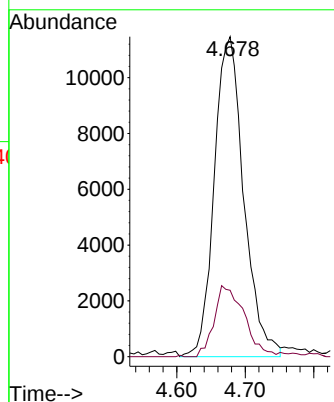
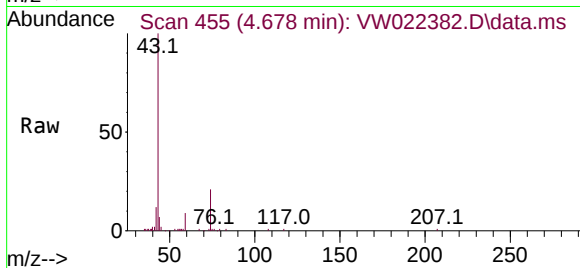




#15
Methyl Acetate
Concen: 18.938 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

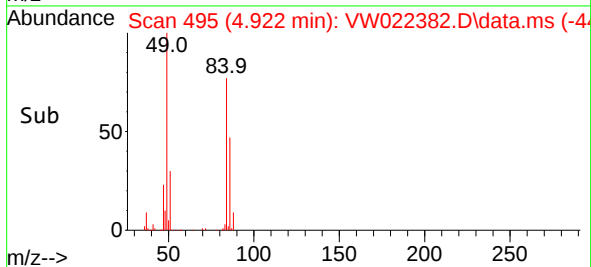
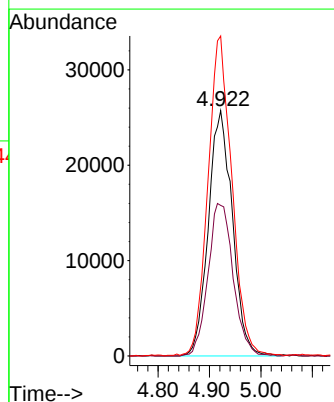
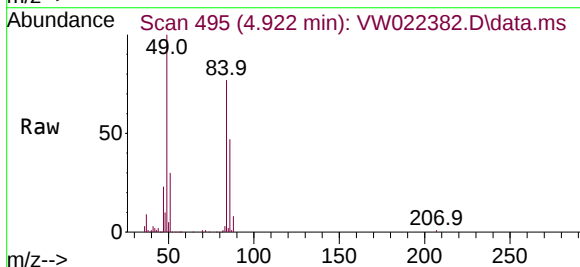
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

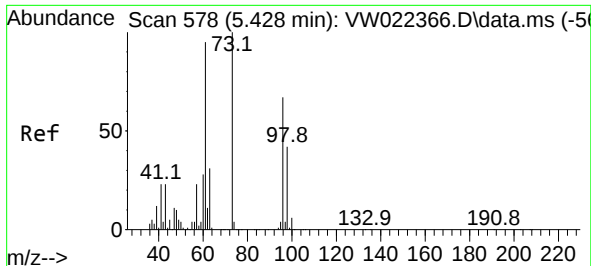
Tgt Ion: 43 Resp: 34266
Ion Ratio Lower Upper
43 100
74 22.5 23.0 34.6#



#16
Methylene chloride
Concen: 22.075 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 84 Resp: 83612
Ion Ratio Lower Upper
84 100
86 61.4 45.8 85.0
49 130.4 73.8 137.0

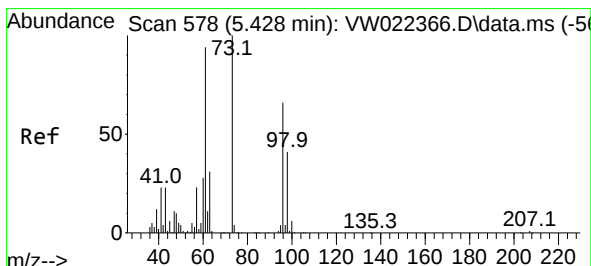
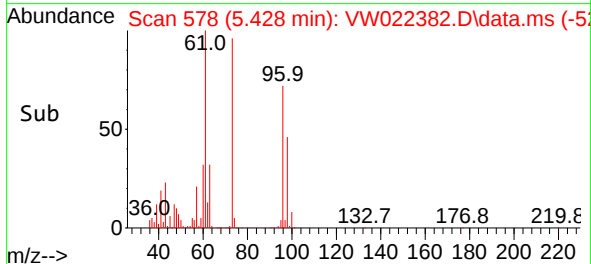
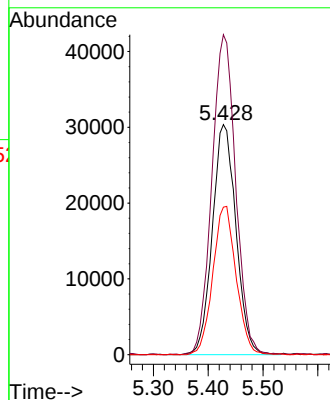
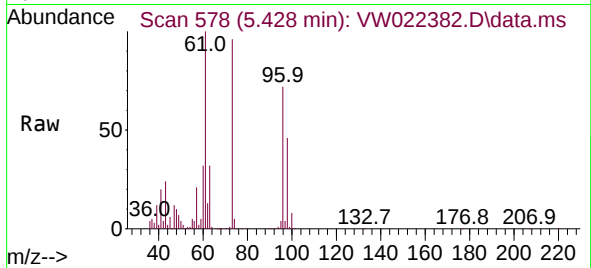




#17
trans-1,2-Dichloroethene
Concen: 24.066 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

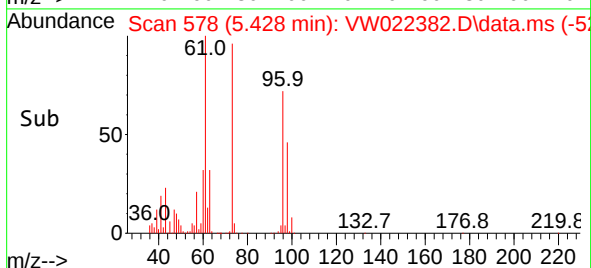
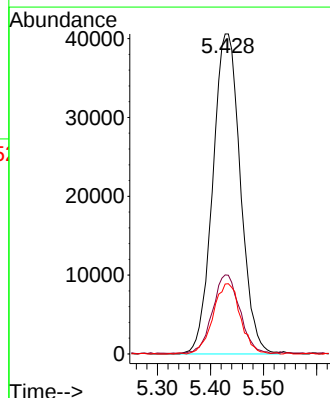
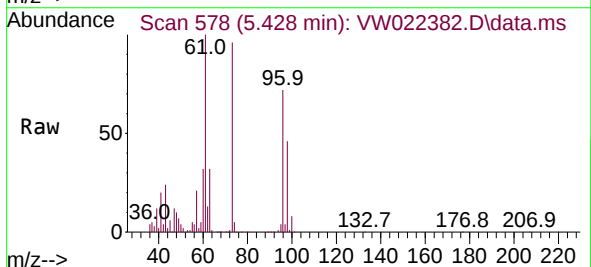
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

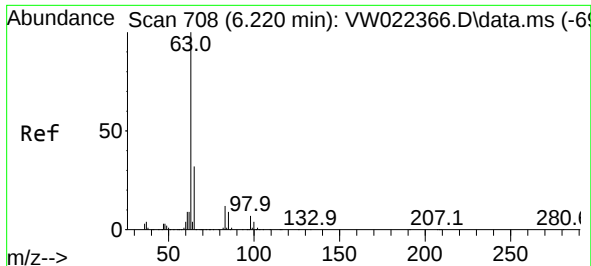
Tgt Ion: 96 Resp: 90834
Ion Ratio Lower Upper
96 100
61 139.1 87.3 162.1
98 64.1 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 22.291 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 73 Resp: 146647
Ion Ratio Lower Upper
73 100
43 24.1 15.4 23.2#
57 21.7 16.5 24.7





#19

1,1-Dichloroethane

Concen: 23.156 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

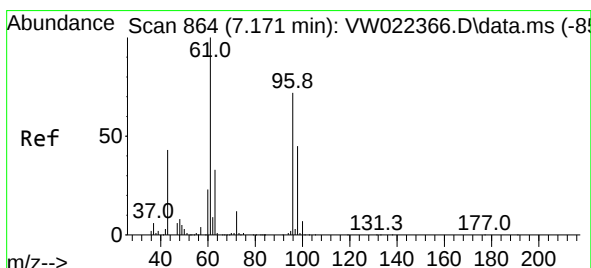
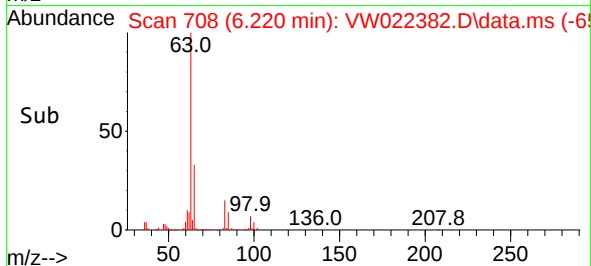
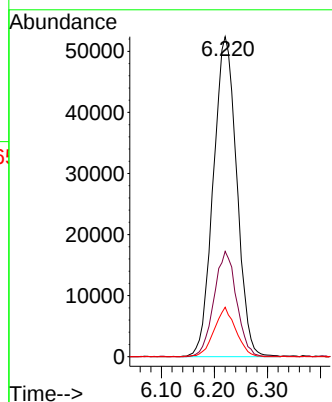
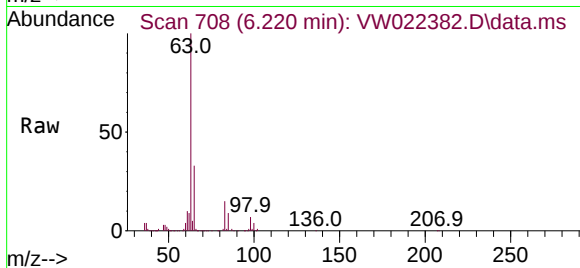
Tgt Ion: 63 Resp: 160494

Ion Ratio Lower Upper

63 100

65 32.9 22.5 41.9

83 15.5 11.5 21.5



#20

cis-1,2-Dichloroethene

Concen: 24.040 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

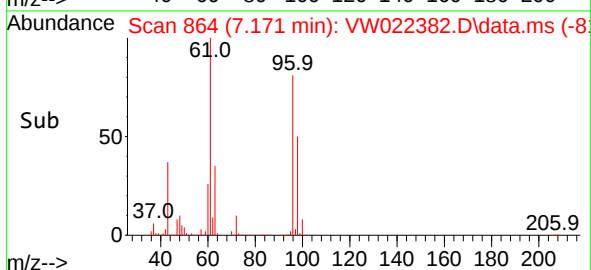
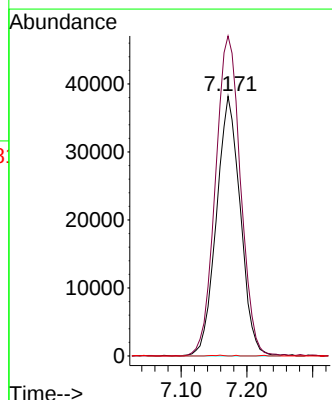
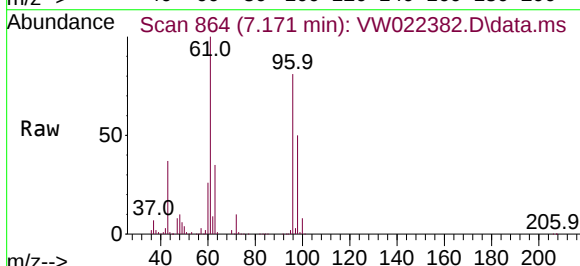
Tgt Ion: 96 Resp: 96630

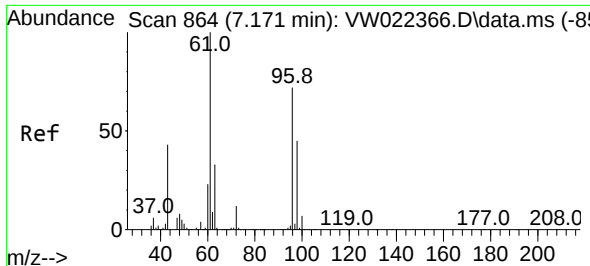
Ion Ratio Lower Upper

96 100

61 123.2 76.8 142.6

68 0.0 0.0 0.0

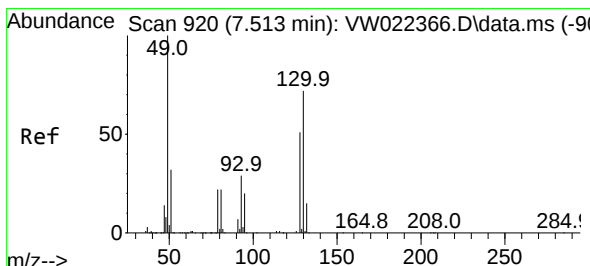
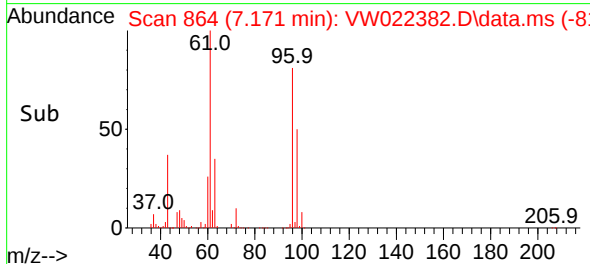
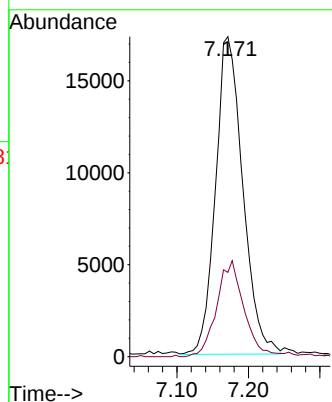
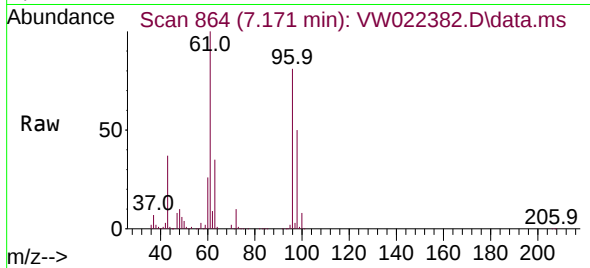




#22
2-Butanone
Concen: 41.828 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

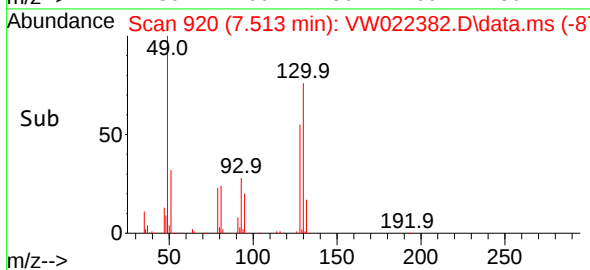
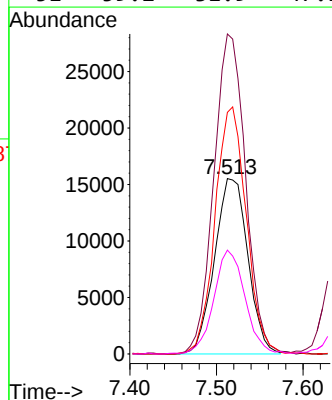
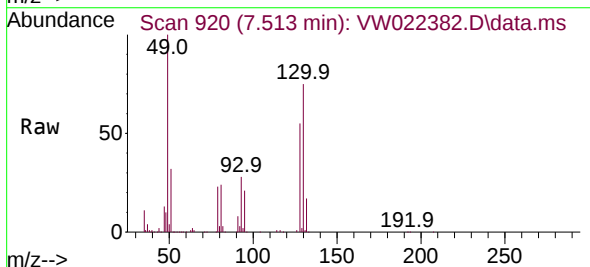
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

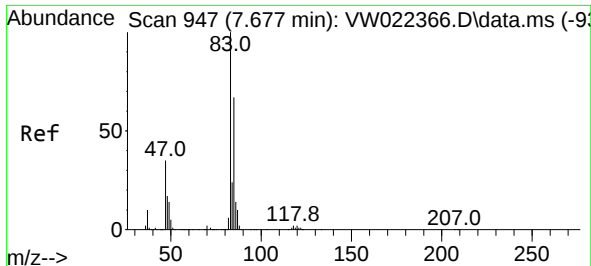
Tgt Ion: 43 Resp: 45764
Ion Ratio Lower Upper
43 100
72 30.1 17.0 51.0



#23
Bromochloromethane
Concen: 23.543 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 128 Resp: 41512
Ion Ratio Lower Upper
128 100
49 182.5 84.2 156.4#
130 137.8 84.8 157.4
51 59.2 31.9 47.9#

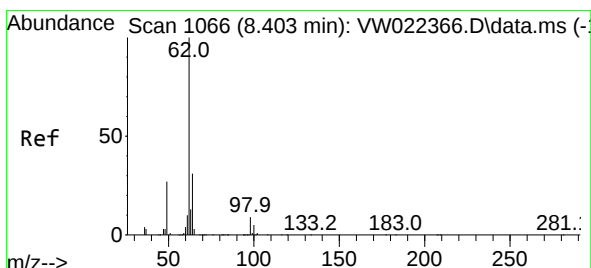
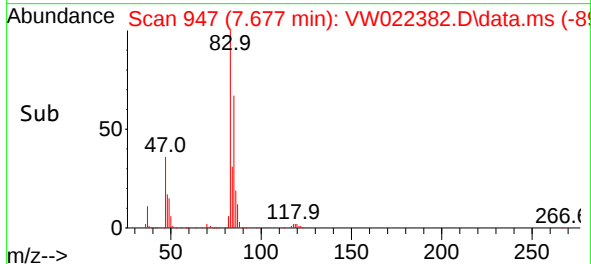
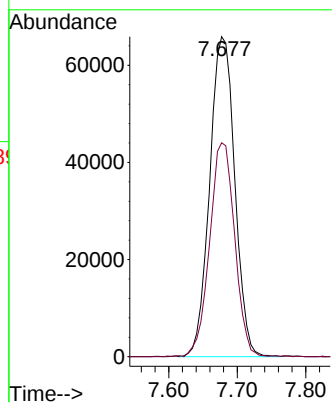
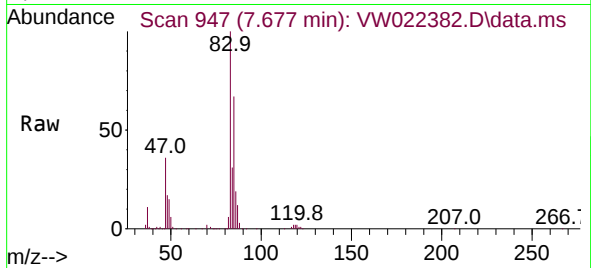




#25
Chloroform
Concen: 23.696 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

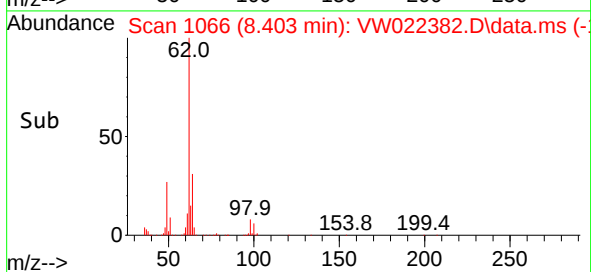
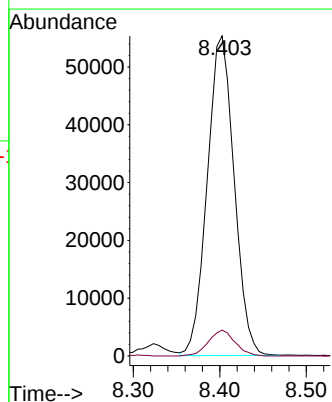
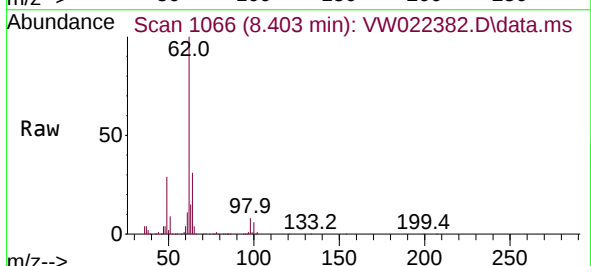
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

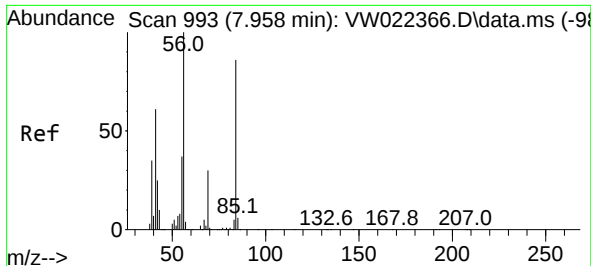
Tgt Ion: 83 Resp: 167651
Ion Ratio Lower Upper
83 100
85 66.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 22.507 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 62 Resp: 119564
Ion Ratio Lower Upper
62 100
98 8.1 7.9 11.9





#29

Cyclohexane

Concen: 23.439 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

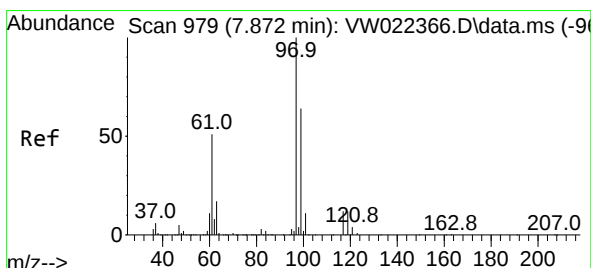
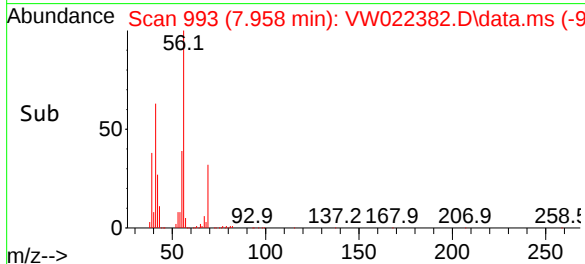
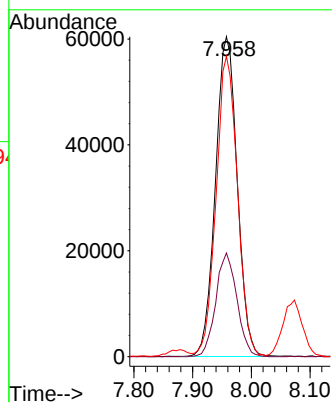
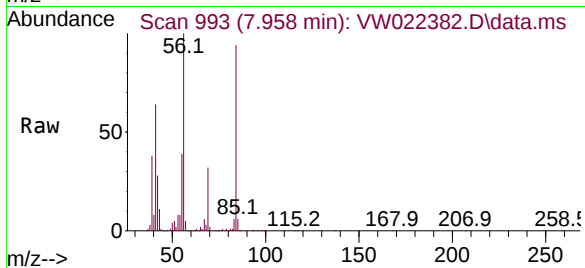
Tgt Ion: 56 Resp: 155430

Ion Ratio Lower Upper

56 100

69 31.4 26.3 39.5

84 92.3 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 25.340 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.006 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

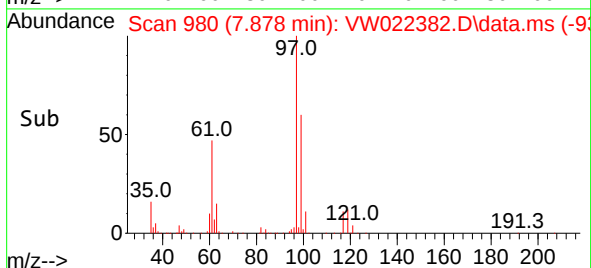
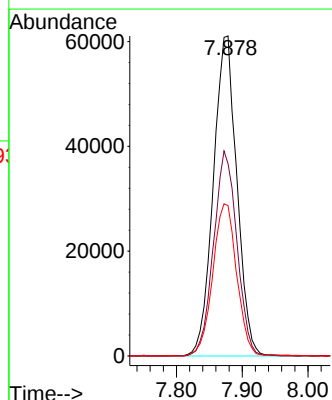
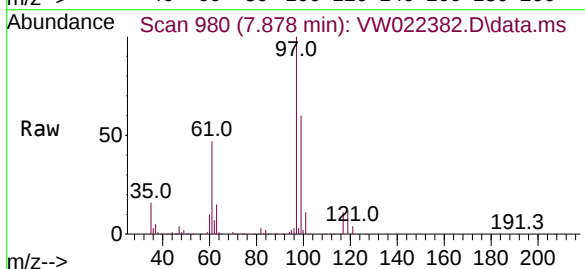
Tgt Ion: 97 Resp: 152170

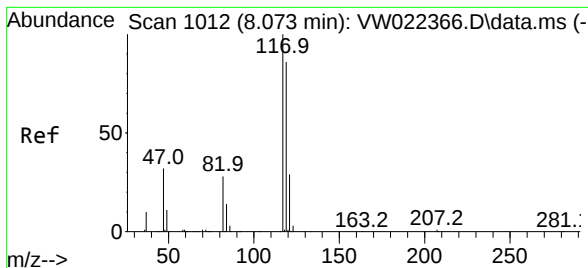
Ion Ratio Lower Upper

97 100

99 63.4 52.6 78.8

61 48.3 33.0 49.6





#31

Carbon tetrachloride

Concen: 24.822 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

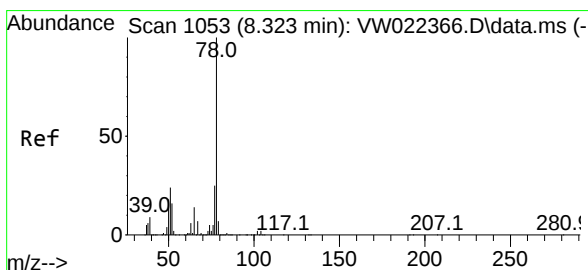
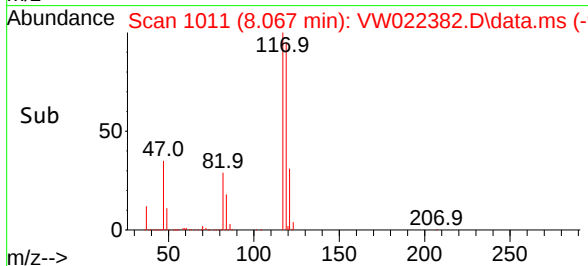
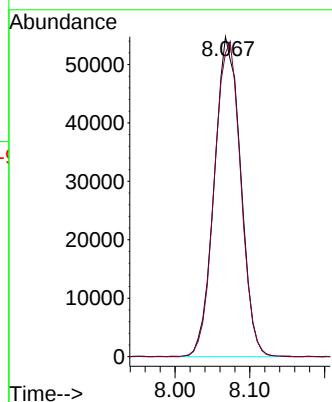
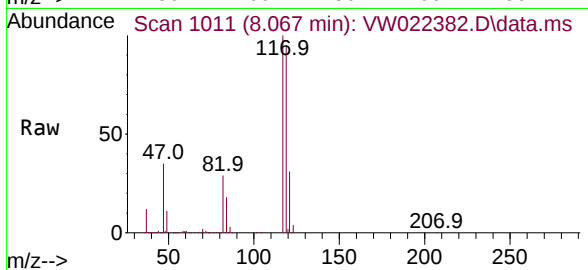
VSTD025591

Tgt Ion:117 Resp: 134264

Ion Ratio Lower Upper

117 100

119 98.8 76.7 115.1



#33

Benzene

Concen: 24.641 ug/L

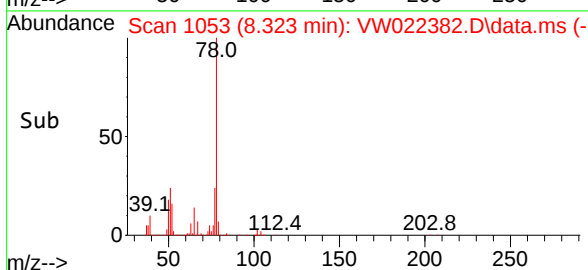
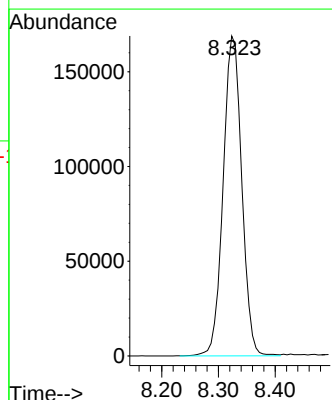
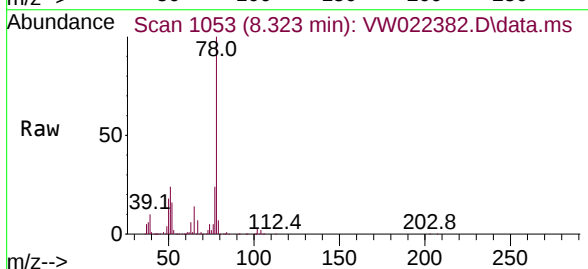
RT: 8.323 min Scan# 1053

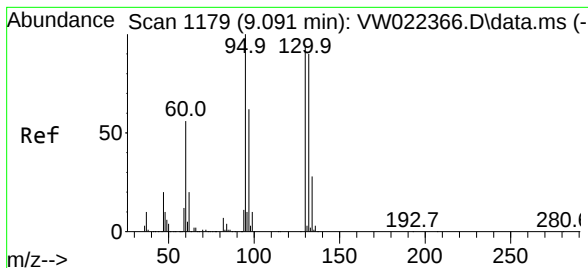
Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Tgt Ion: 78 Resp: 385275





#34

Trichloroethene

Concen: 25.375 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

Tgt Ion: 95 Resp: 103058

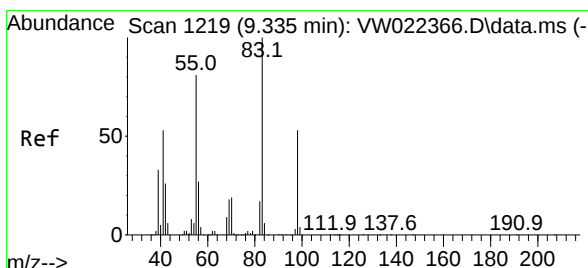
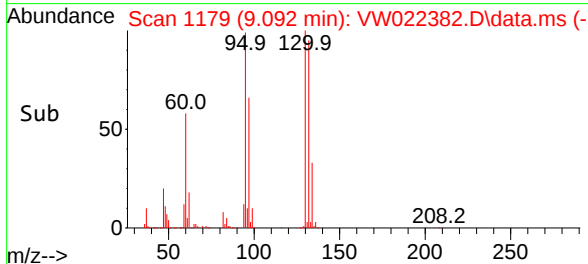
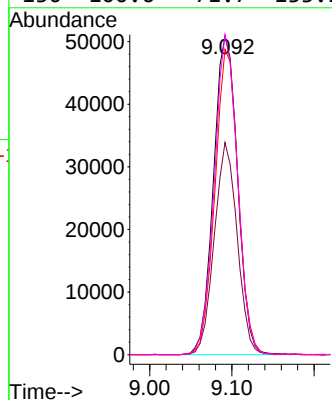
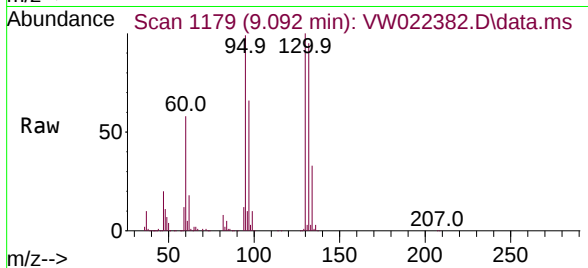
Ion Ratio Lower Upper

95 100

97 66.7 44.4 82.4

132 96.0 71.7 133.1

130 100.6 71.7 133.1



#35

Methylcyclohexane

Concen: 24.813 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

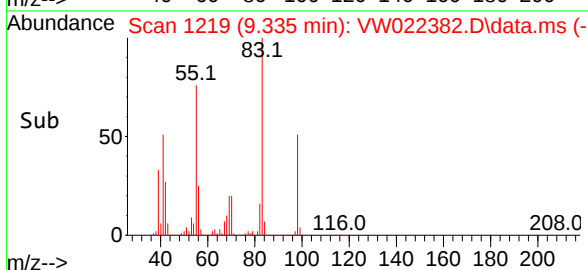
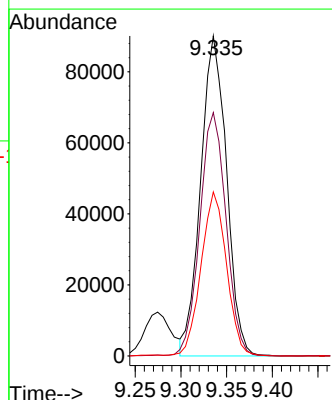
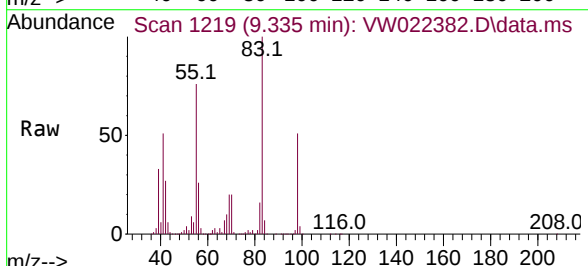
Tgt Ion: 83 Resp: 177412

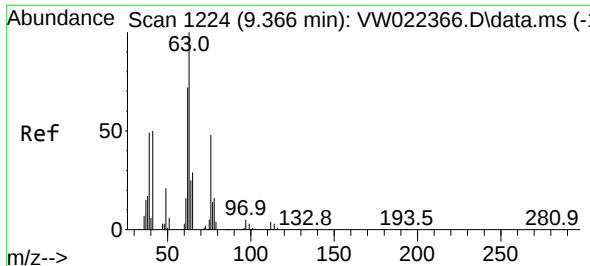
Ion Ratio Lower Upper

83 100

55 77.0 53.8 80.8

98 50.6 42.1 63.1





#37

1,2-Dichloropropane

Concen: 23.691 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

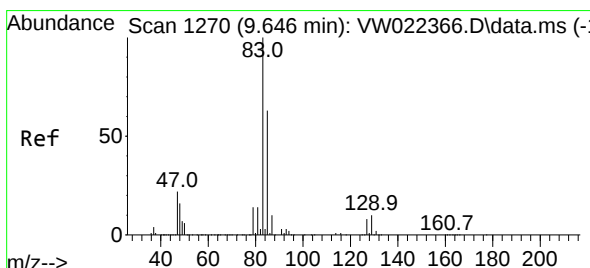
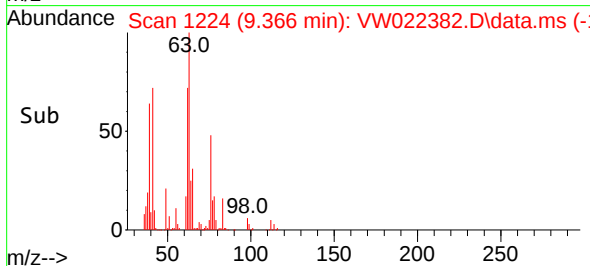
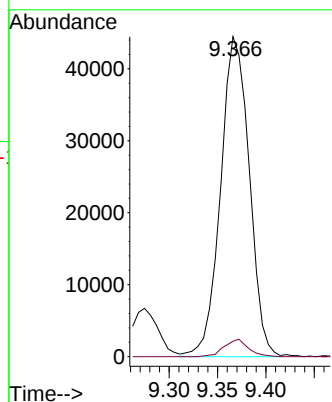
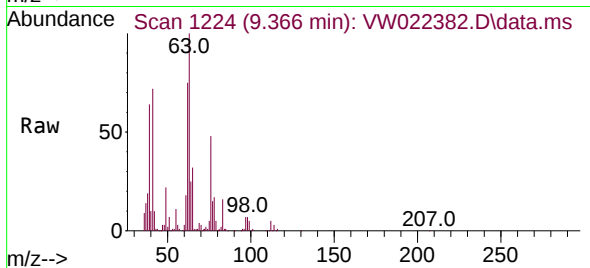
VSTD025591

Tgt Ion: 63 Resp: 91795

Ion Ratio Lower Upper

63 100

112 4.6 4.1 6.1



#38

Bromodichloromethane

Concen: 24.084 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

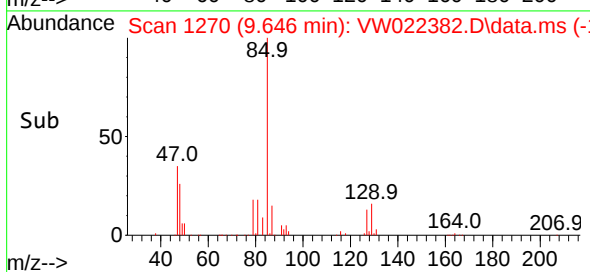
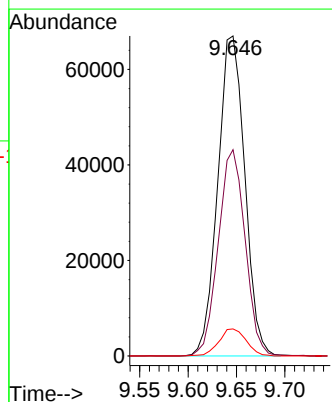
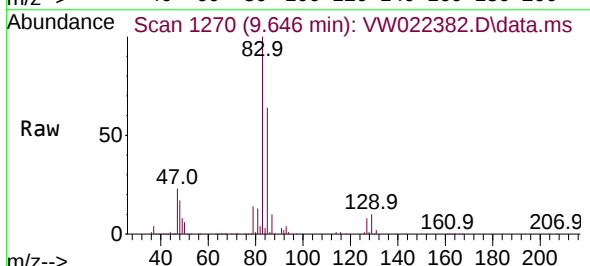
Tgt Ion: 83 Resp: 130152

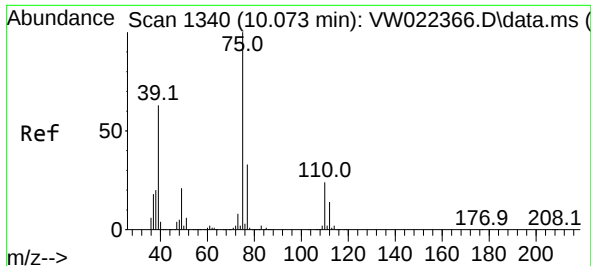
Ion Ratio Lower Upper

83 100

85 64.5 47.9 89.1

127 8.4 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 23.664 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

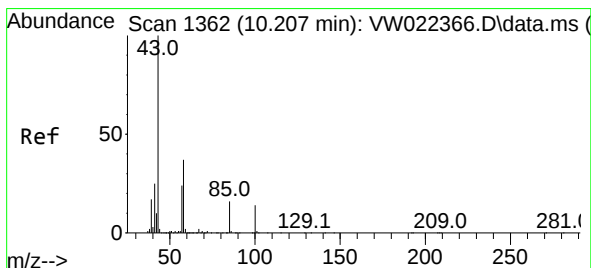
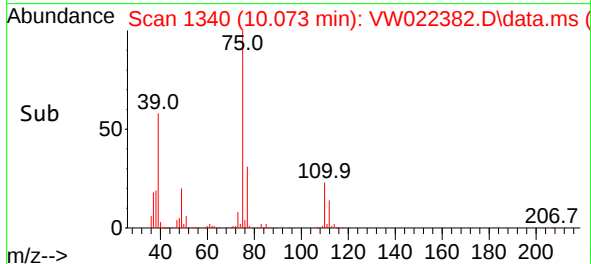
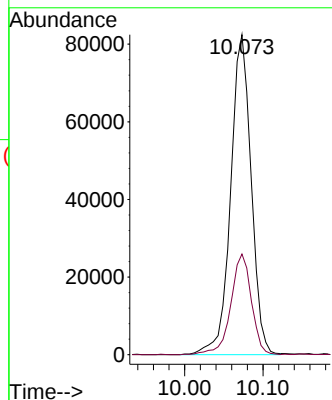
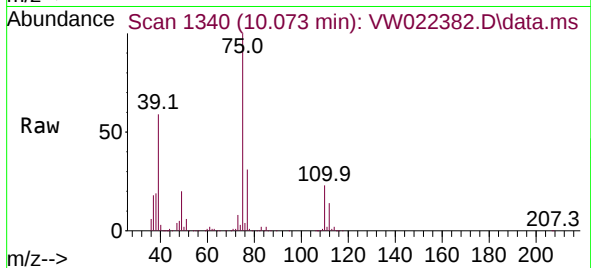
VSTD025591

Tgt Ion: 75 Resp: 149924

Ion Ratio Lower Upper

75 100

77 31.4 20.6 38.2



#40

4-Methyl-2-pentanone

Concen: 41.284 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

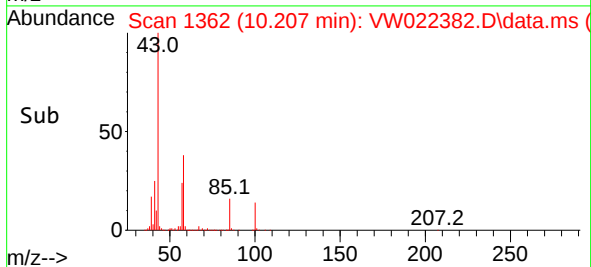
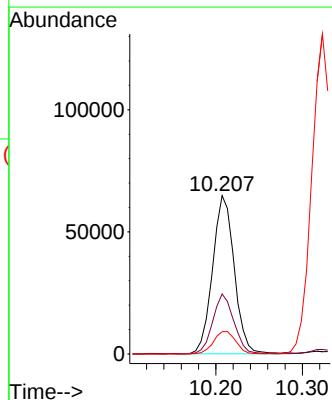
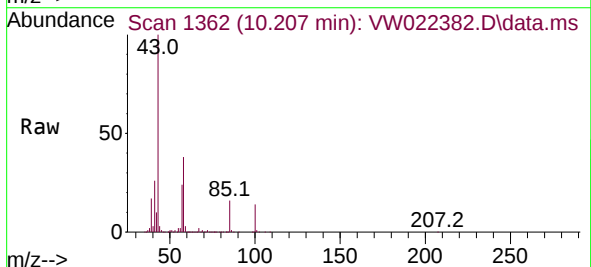
Tgt Ion: 43 Resp: 112486

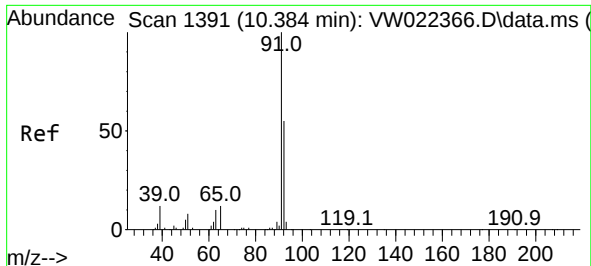
Ion Ratio Lower Upper

43 100

58 37.2 33.2 49.8

100 14.7 16.1 24.1#

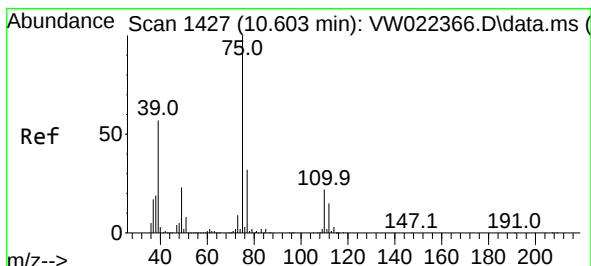
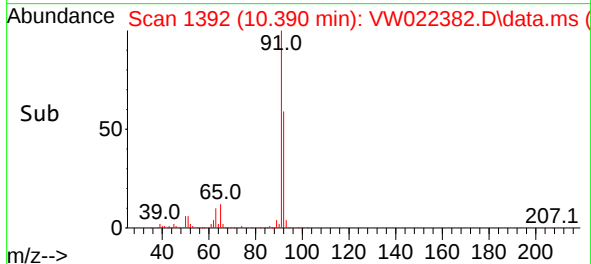
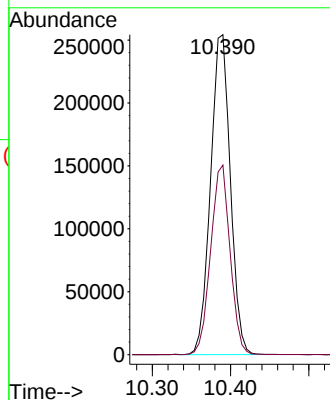
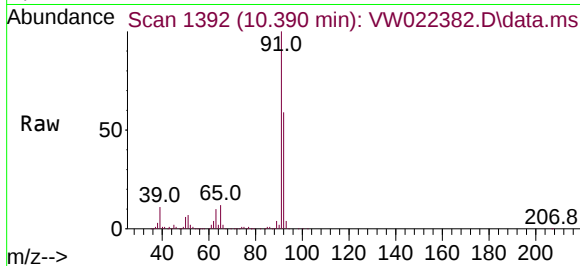




#42
Toluene
Concen: 25.666 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

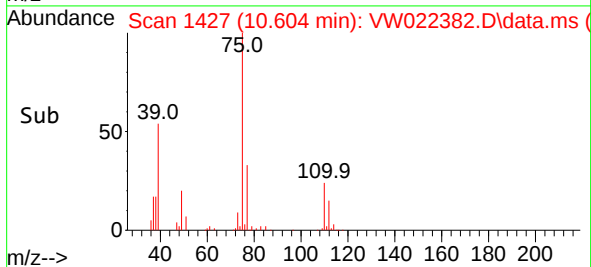
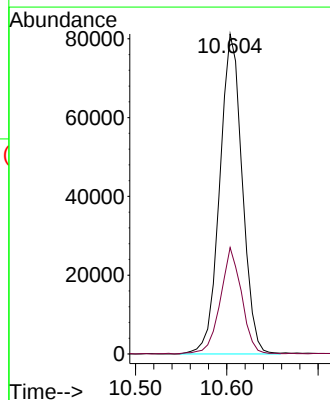
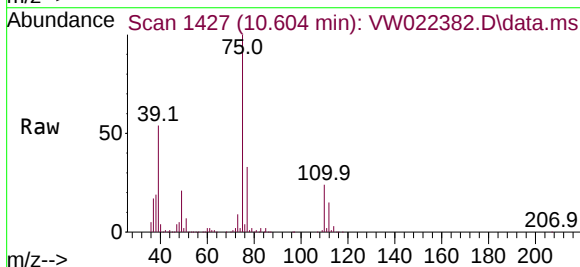
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

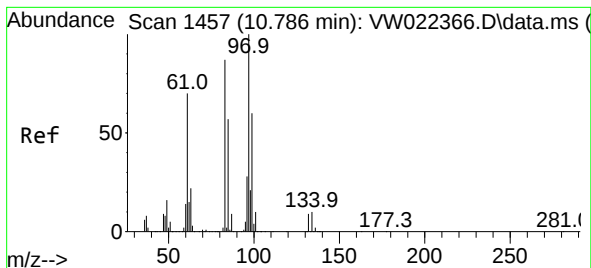
Tgt Ion: 91 Resp: 446350
Ion Ratio Lower Upper
91 100
92 59.3 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 23.706 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 75 Resp: 139096
Ion Ratio Lower Upper
75 100
77 33.3 22.0 40.8

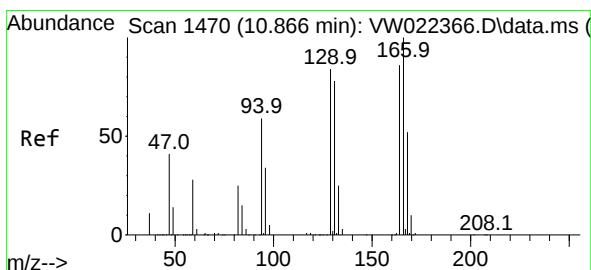
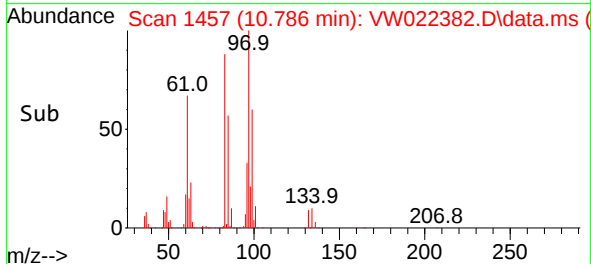
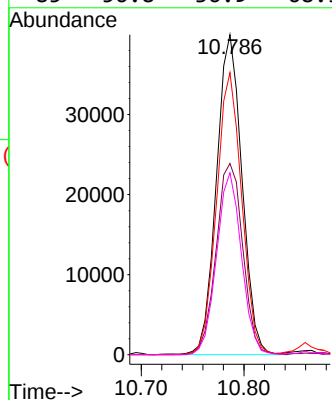
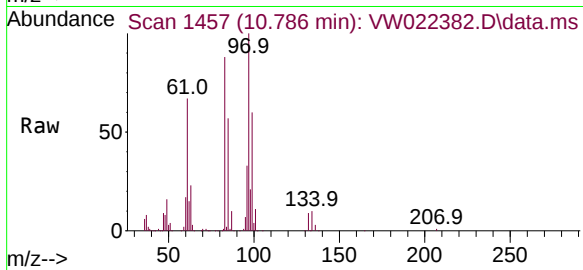




#45
1,1,2-Trichloroethane
Concen: 23.766 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

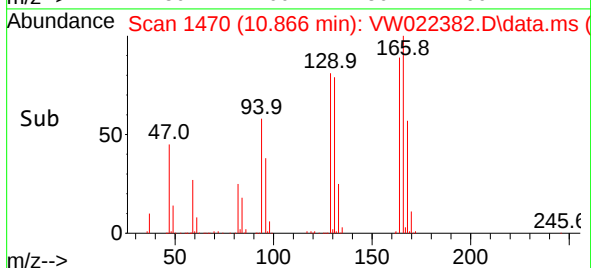
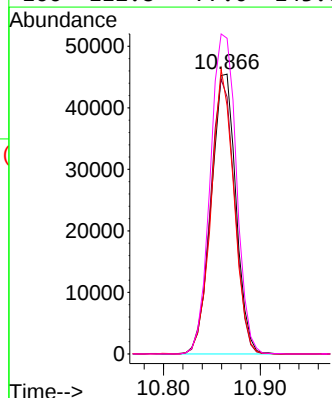
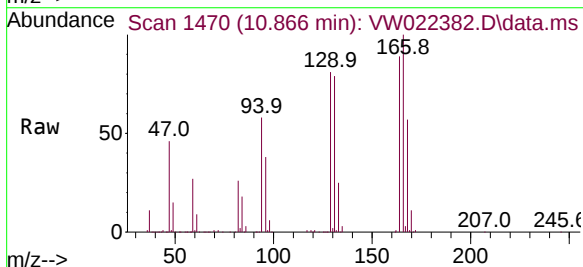
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

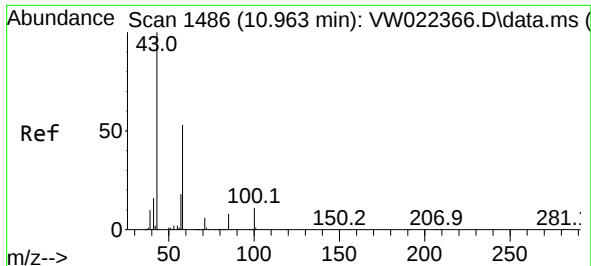
Tgt Ion:	97	Resp:	68870
Ion	Ratio	Lower	Upper
97	100		
99	59.7	43.5	80.7
83	88.1	53.5	99.3
85	56.8	36.9	68.5



#46
Tetrachloroethene
Concen: 27.770 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion:	164	Resp:	80876
Ion	Ratio	Lower	Upper
164	100		
129	91.8	60.3	111.9
131	88.7	59.9	111.3
166	112.8	77.0	143.0

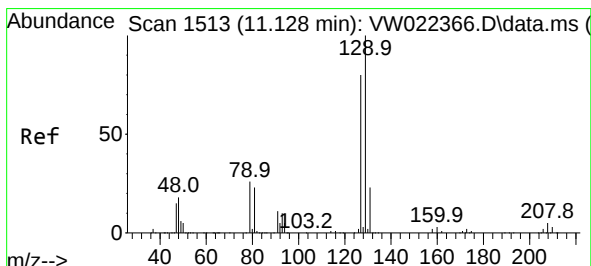
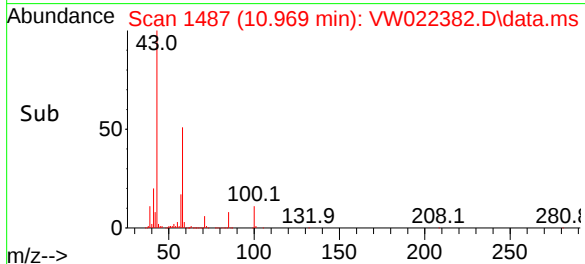
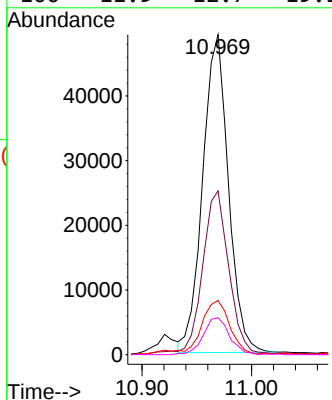
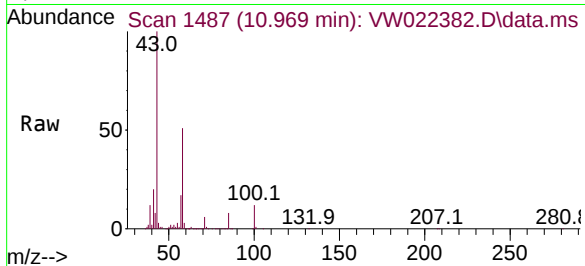




#48
2-Hexanone
Concen: 41.649 ug/L
RT: 10.969 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

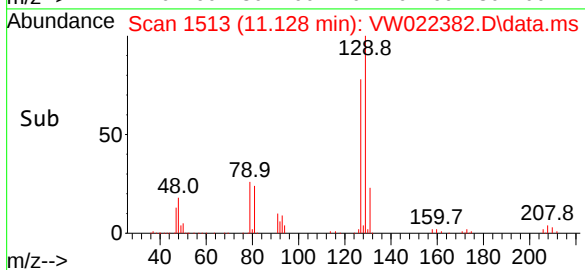
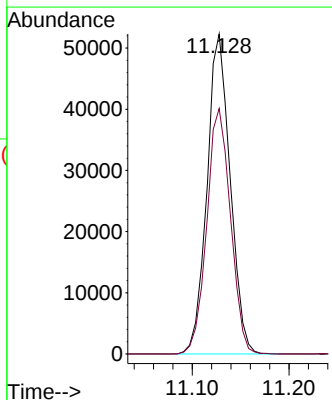
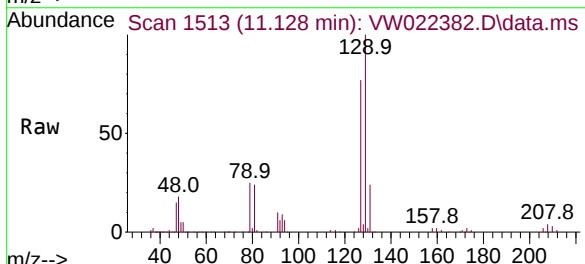
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

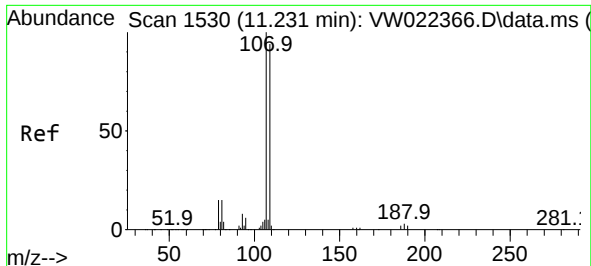
Tgt Ion: 43 Resp: 80112
Ion Ratio Lower Upper
43 100
58 51.5 44.6 66.8
57 18.2 15.8 23.8
100 11.9 12.7 19.1#



#49
Dibromochloromethane
Concen: 24.315 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 129 Resp: 87231
Ion Ratio Lower Upper
129 100
127 76.7 54.5 101.1





#50

1,2-Dibromoethane

Concen: 22.796 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

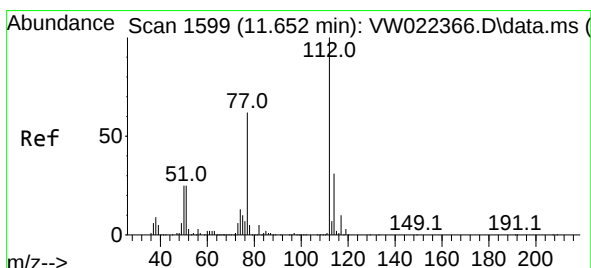
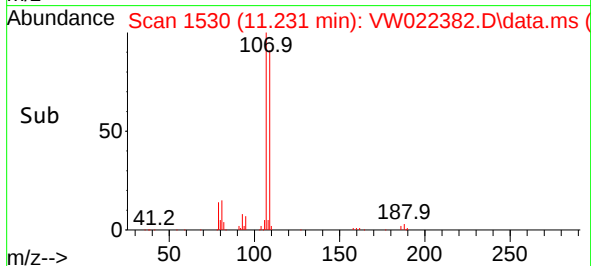
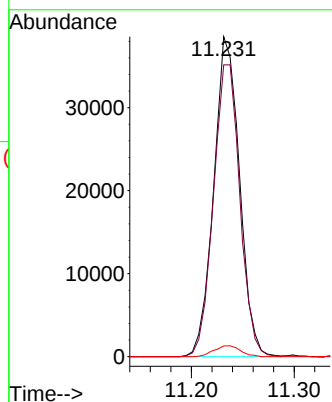
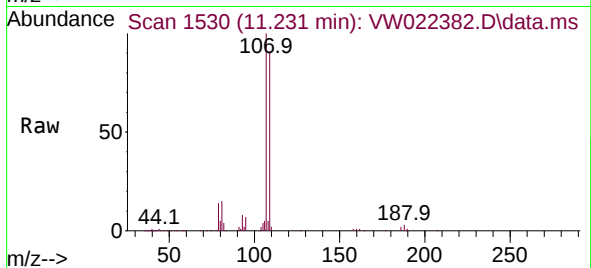
Tgt Ion:107 Resp: 67090

Ion Ratio Lower Upper

107 100

109 91.2 66.8 124.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 25.801 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

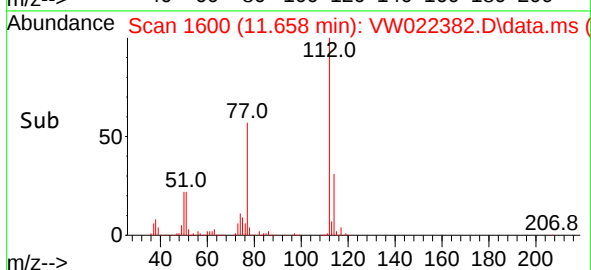
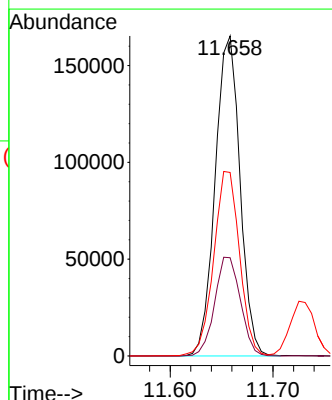
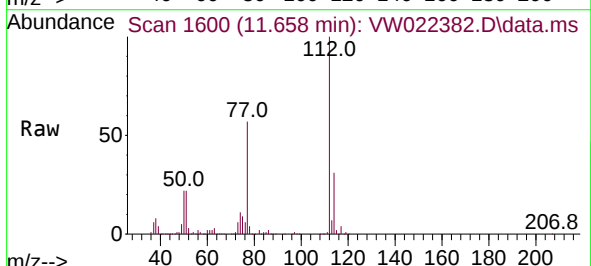
Tgt Ion:112 Resp: 277428

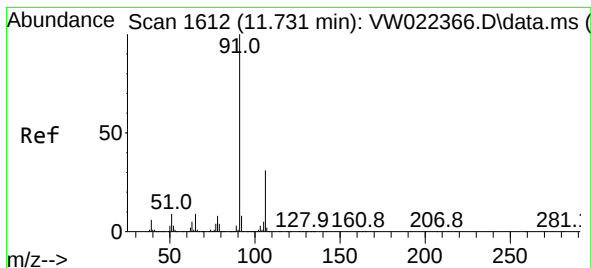
Ion Ratio Lower Upper

112 100

114 30.7 23.0 42.8

77 57.3 41.8 62.6

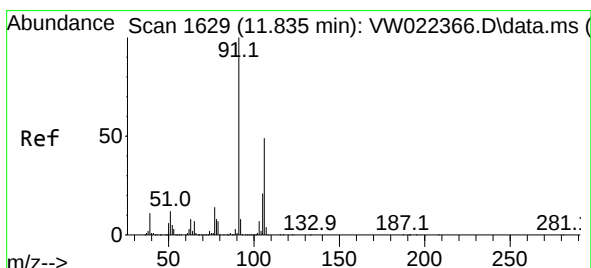
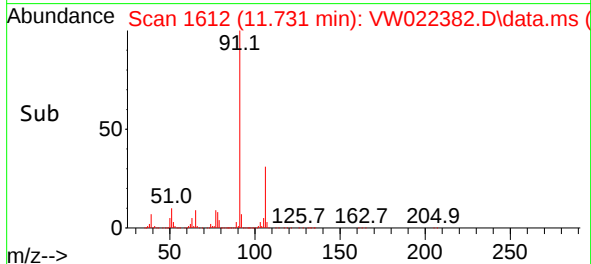
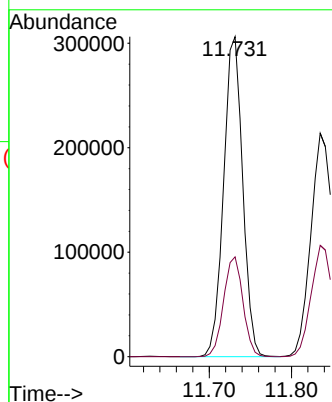
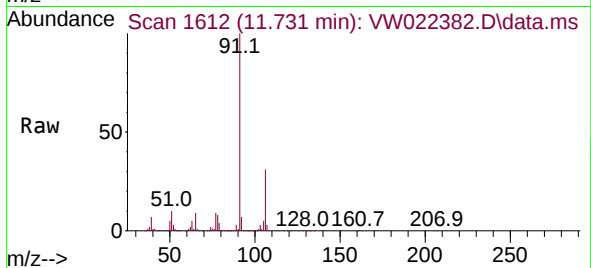




#52
Ethylbenzene
Concen: 25.583 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

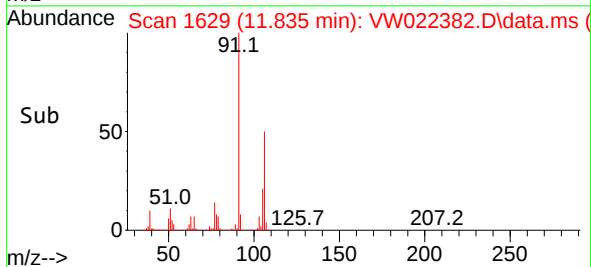
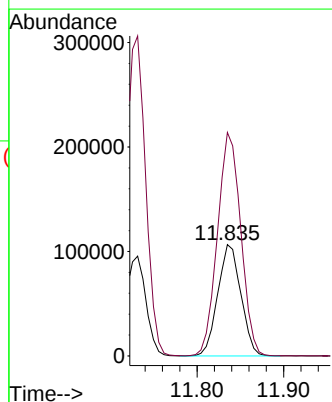
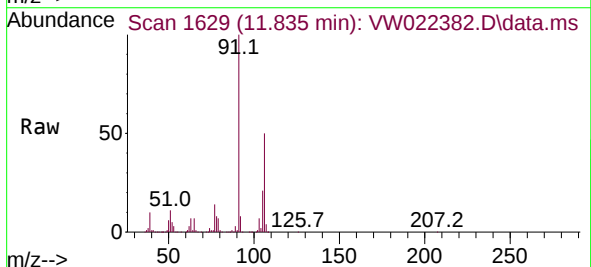
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

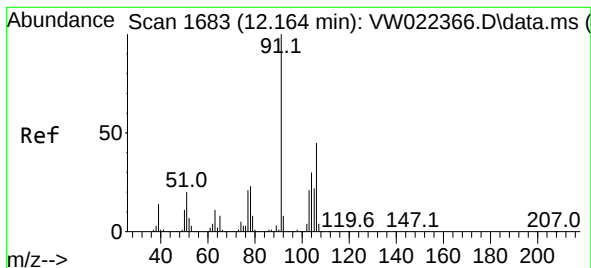
Tgt Ion: 91 Resp: 493456
Ion Ratio Lower Upper
91 100
106 31.2 22.8 42.4



#53
m,p-Xylene
Concen: 26.826 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 106 Resp: 197501
Ion Ratio Lower Upper
106 100
91 200.6 135.0 250.8





#54

o-Xylene

Concen: 25.964 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

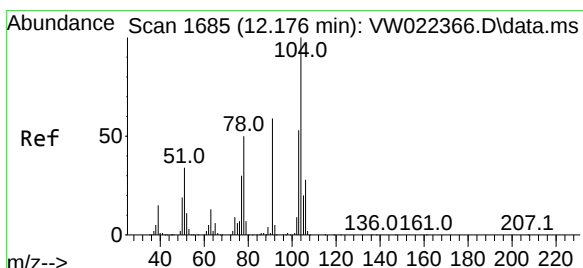
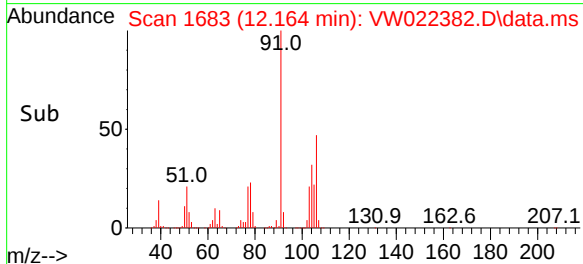
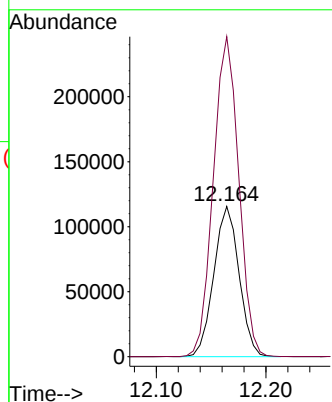
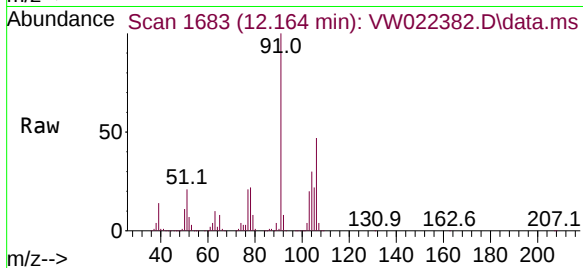
VSTD025591

Tgt Ion:106 Resp: 185168

Ion Ratio Lower Upper

106 100

91 213.0 136.9 254.3



#55

Styrene

Concen: 25.400 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW022382.D

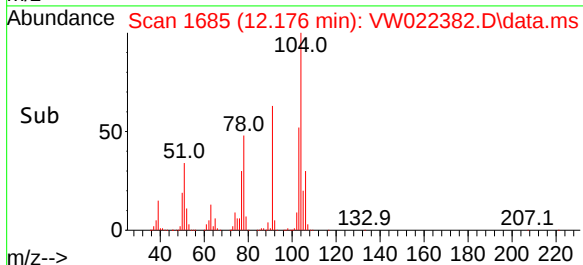
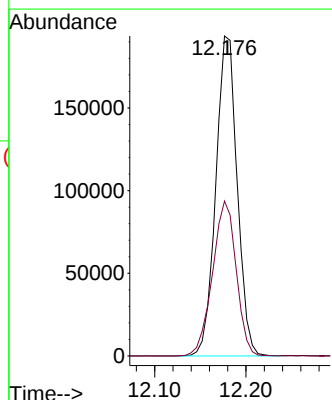
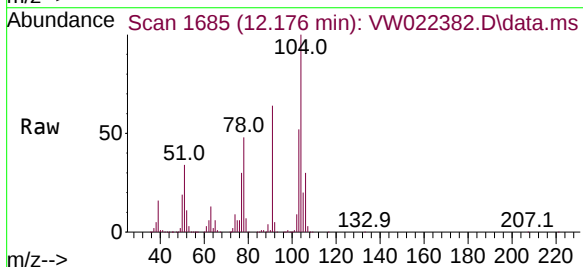
Acq: 04 Apr 2022 12:50

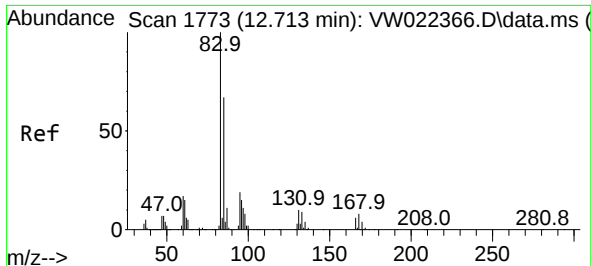
Tgt Ion:104 Resp: 314633

Ion Ratio Lower Upper

104 100

78 48.4 27.8 51.6





#57

1,1,2-Tetrachloroethane

Concen: 23.451 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

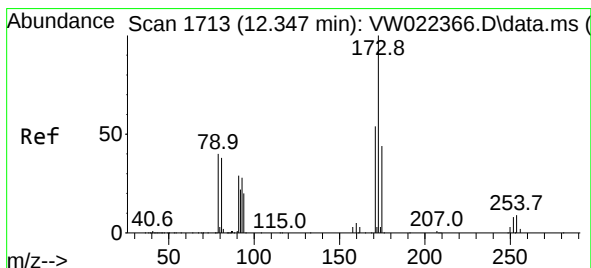
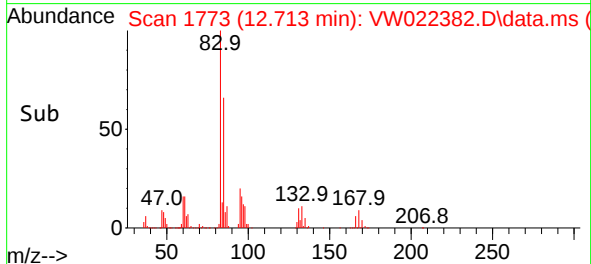
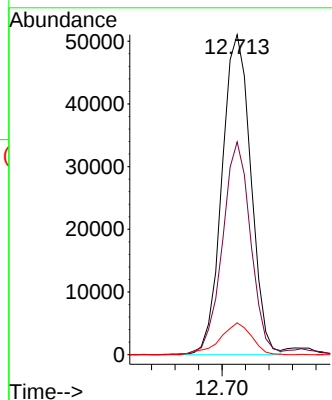
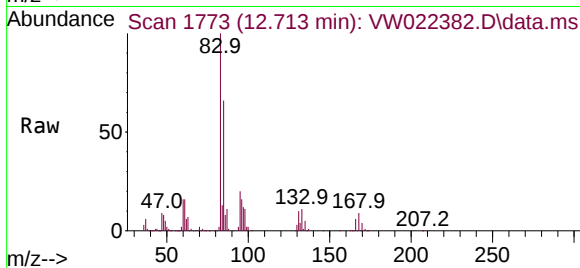
Tgt Ion: 83 Resp: 87025

Ion Ratio Lower Upper

83 100

85 66.5 44.2 82.0

131 9.9 9.4 14.0



#59

Bromoform

Concen: 24.291 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.006 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

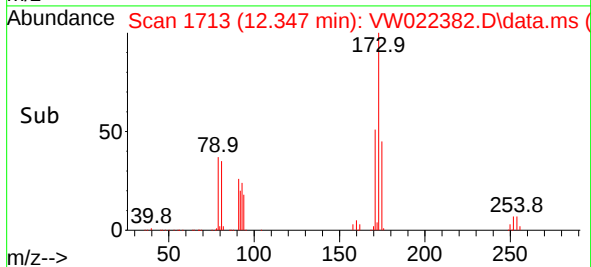
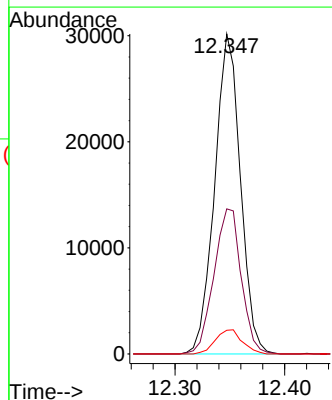
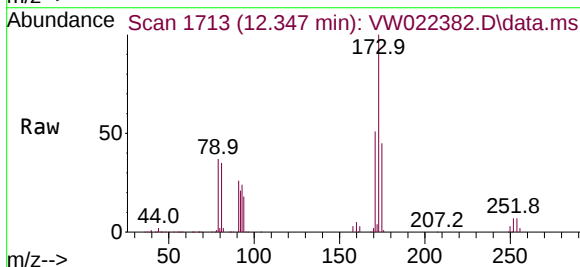
Tgt Ion: 173 Resp: 49214

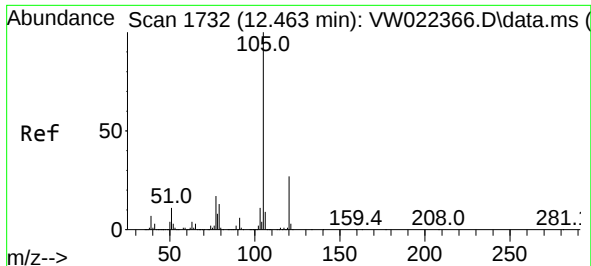
Ion Ratio Lower Upper

173 100

175 48.1 38.2 57.4

254 7.9 5.0 7.6#

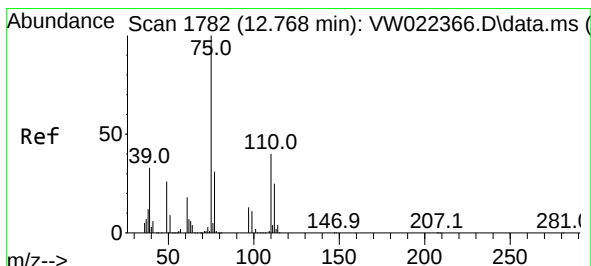
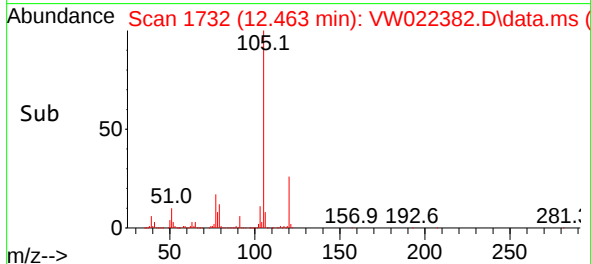
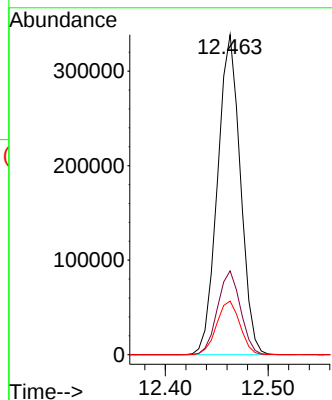
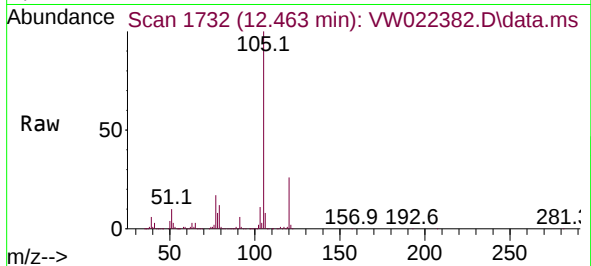




#60
Isopropylbenzene
Concen: 25.580 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

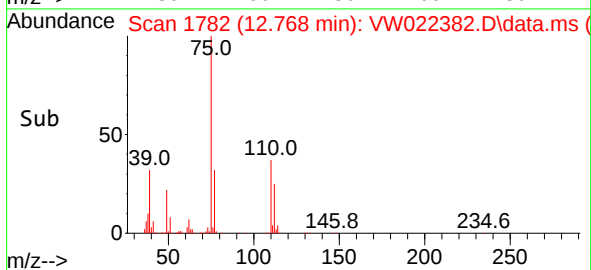
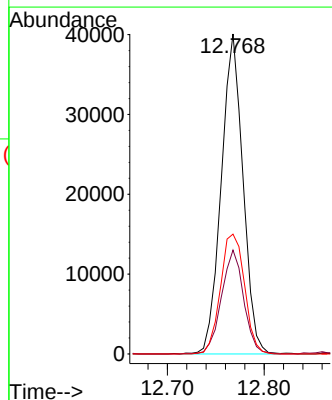
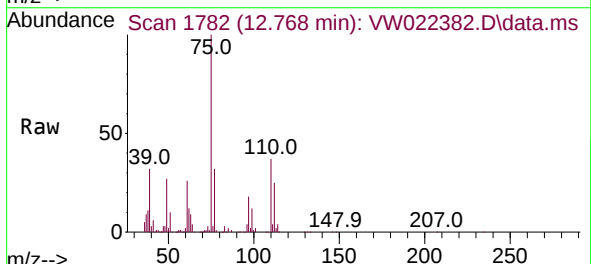
Instrument :
MSVOA_W
ClientSampleId :
VSTD025591

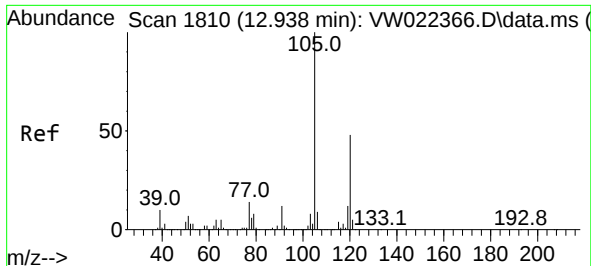
Tgt Ion:105 Resp: 522445
Ion Ratio Lower Upper
105 100
120 26.3 22.1 33.1
77 17.2 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 21.115 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW022382.D
Acq: 04 Apr 2022 12:50

Tgt Ion: 75 Resp: 62399
Ion Ratio Lower Upper
75 100
77 33.1 27.1 40.7
110 41.6 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 25.266 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

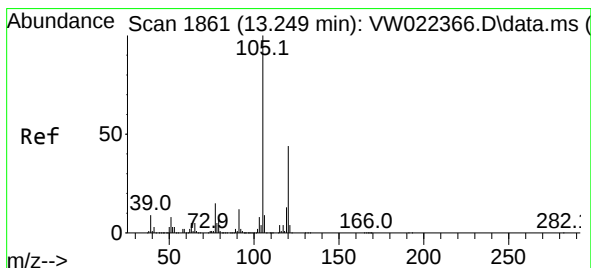
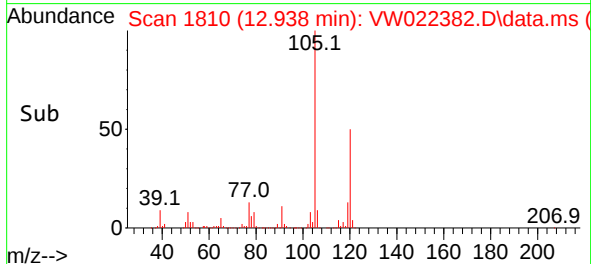
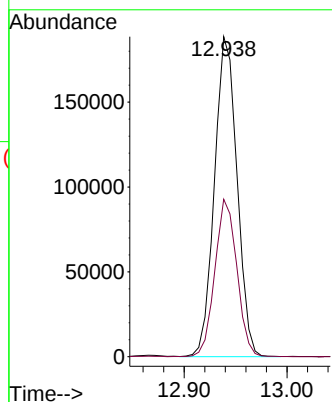
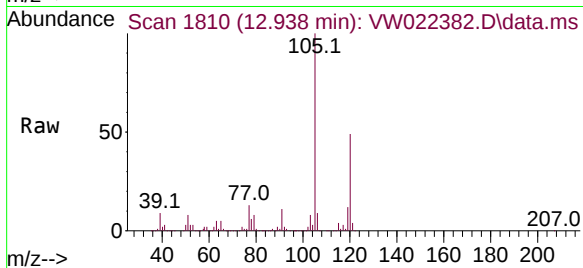
VSTD025591

Tgt Ion:105 Resp: 287715

Ion Ratio Lower Upper

105 100

120 47.9 41.5 62.3



#63

1,2,4-Trimethylbenzene

Concen: 25.085 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022382.D

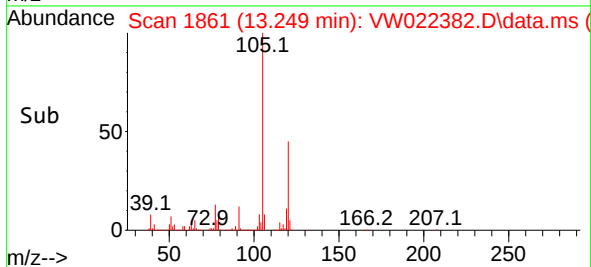
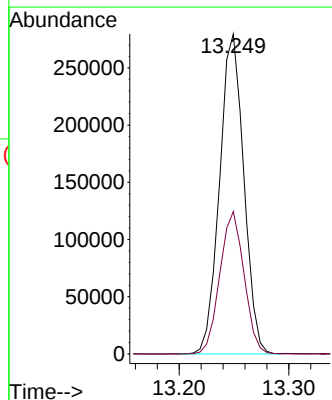
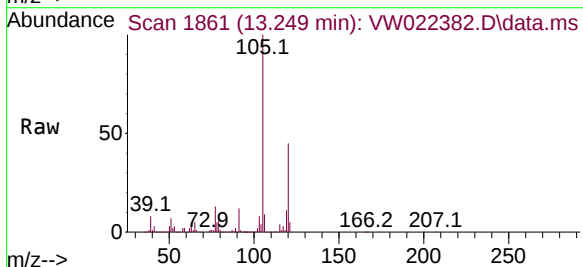
Acq: 04 Apr 2022 12:50

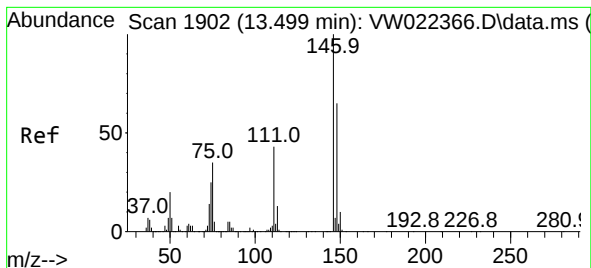
Tgt Ion:105 Resp: 428742

Ion Ratio Lower Upper

105 100

120 44.5 39.2 58.8





#64

1,3-Dichlorobenzene

Concen: 26.555 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. 0.006 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

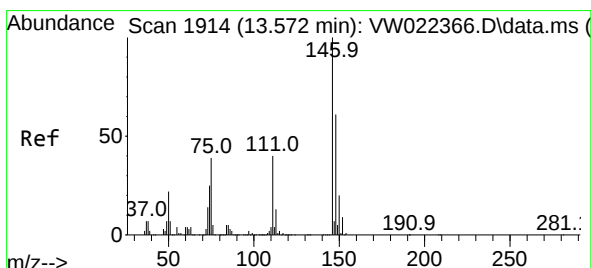
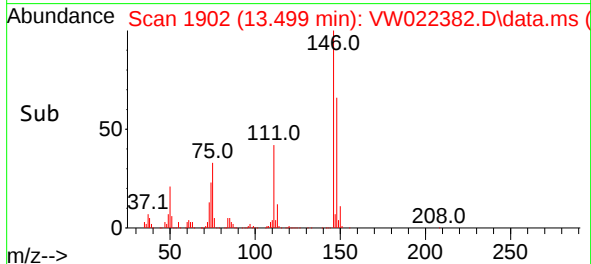
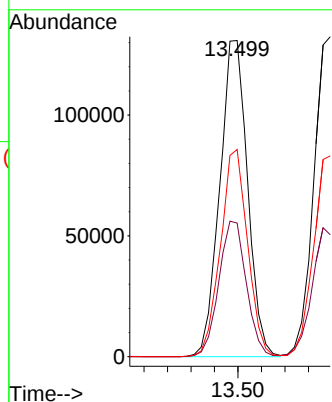
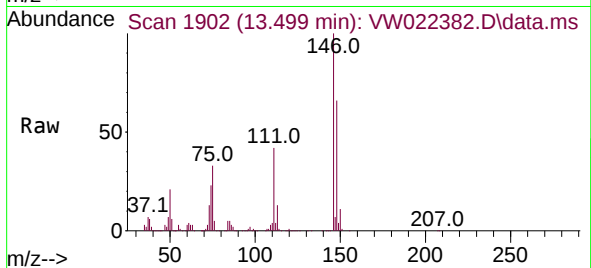
Tgt Ion:146 Resp: 214959

Ion Ratio Lower Upper

146 100

111 42.3 26.9 49.9

148 65.5 41.6 77.2



#65

1,4-Dichlorobenzene

Concen: 24.735 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.007 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

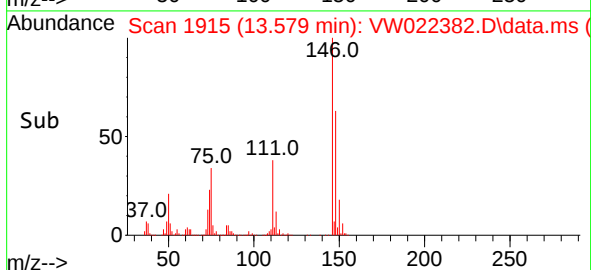
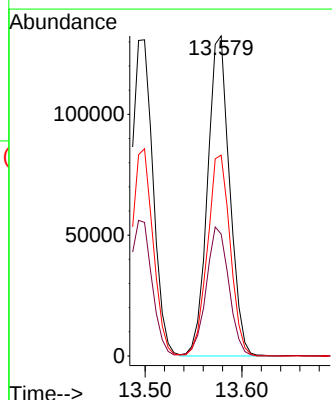
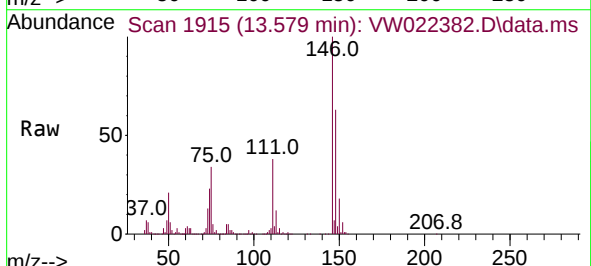
Tgt Ion:146 Resp: 210114

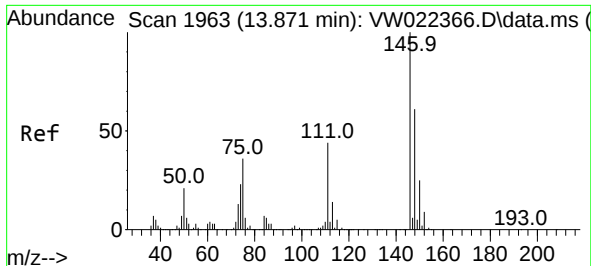
Ion Ratio Lower Upper

146 100

111 38.1 27.5 51.1

148 62.7 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 25.111 ug/L

RT: 13.865 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

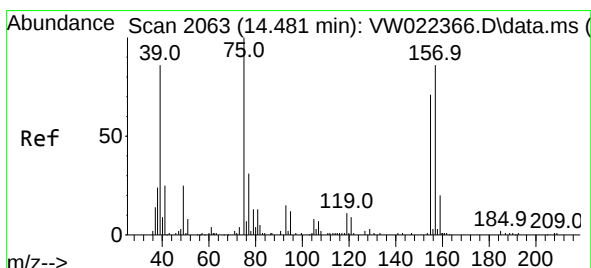
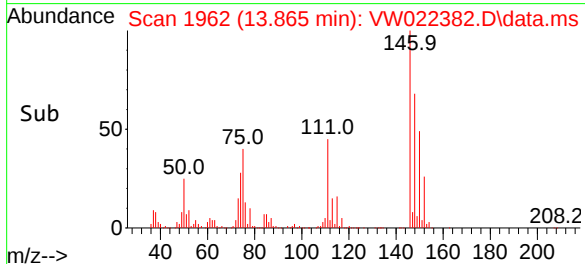
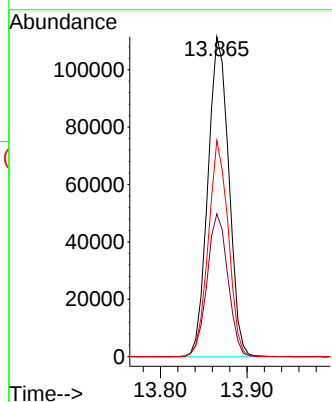
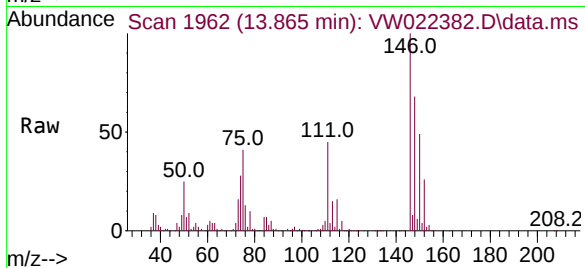
Tgt Ion:146 Resp: 187012

Ion Ratio Lower Upper

146 100

111 44.6 34.8 52.2

148 67.5 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 19.480 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

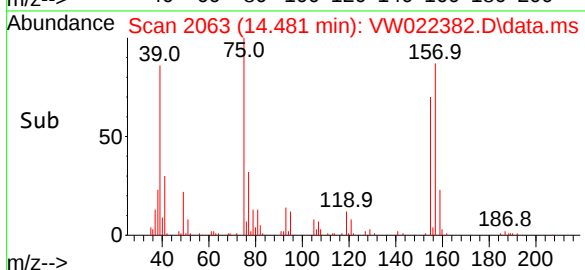
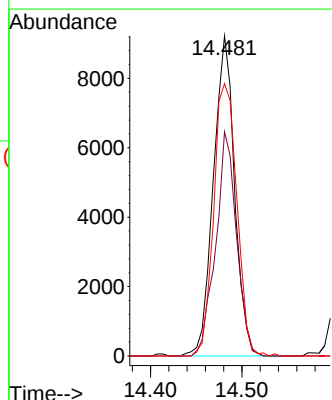
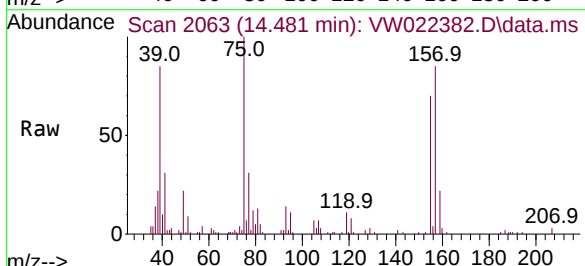
Tgt Ion: 75 Resp: 14835

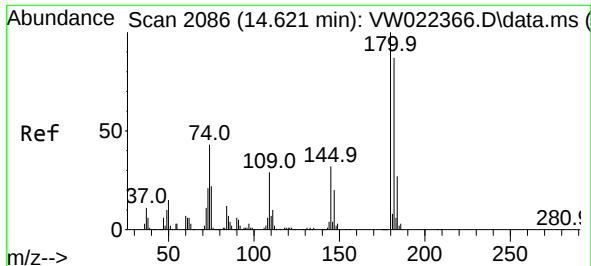
Ion Ratio Lower Upper

75 100

155 70.1 58.2 87.2

157 85.1 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 25.881 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.000 min

Lab File: VW022382.D

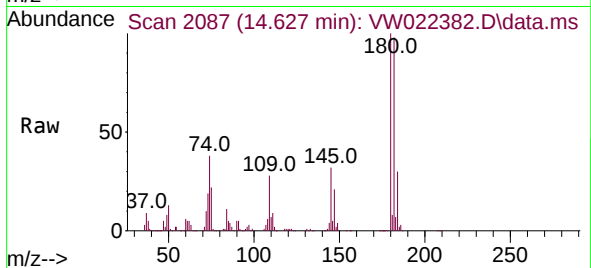
Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591



Tgt Ion:180 Resp: 141897

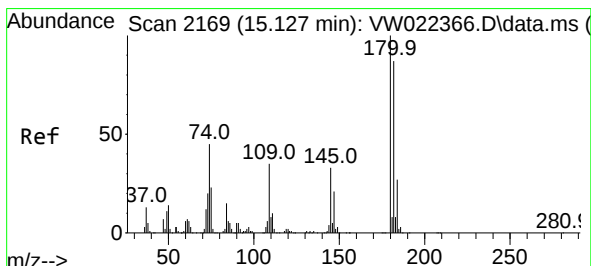
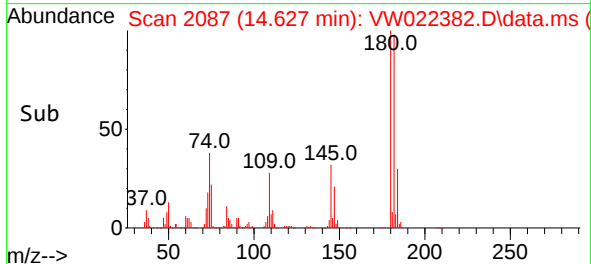
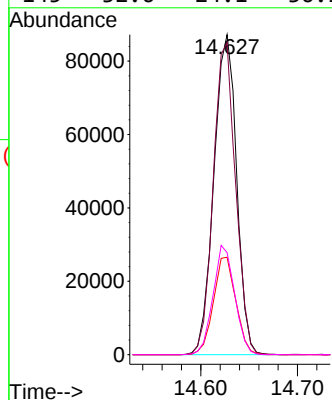
Ion Ratio Lower Upper

180 100

182 96.0 69.4 104.0

184 30.2 21.8 32.8

145 32.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 26.309 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

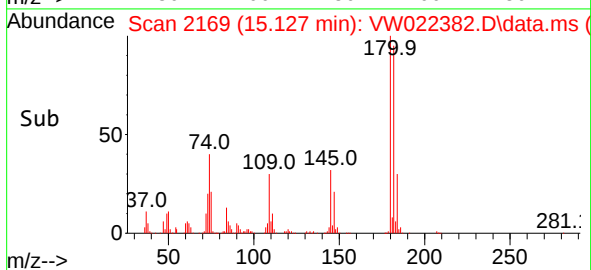
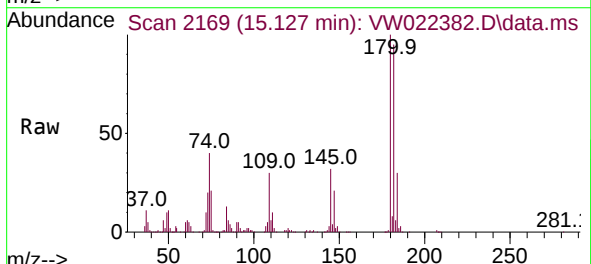
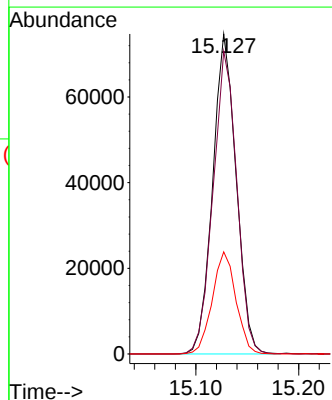
Tgt Ion:180 Resp: 118261

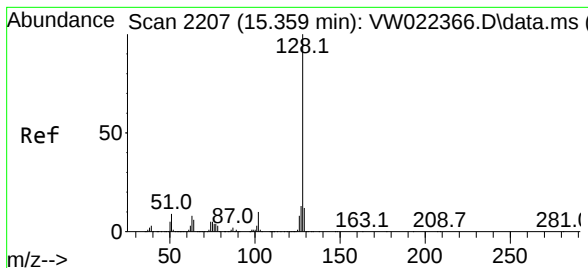
Ion Ratio Lower Upper

180 100

182 95.7 77.8 116.6

145 32.2 25.8 38.6





#71

Naphthalene

Concen: 22.439 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025591

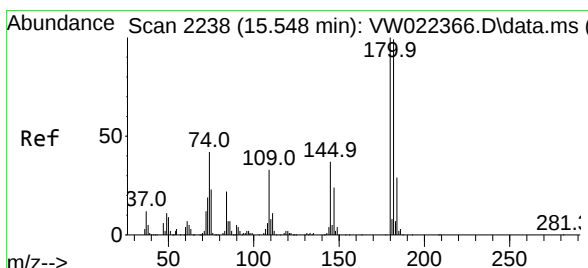
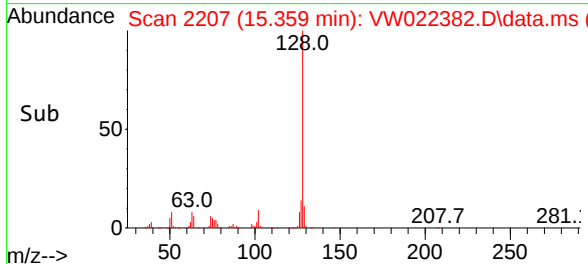
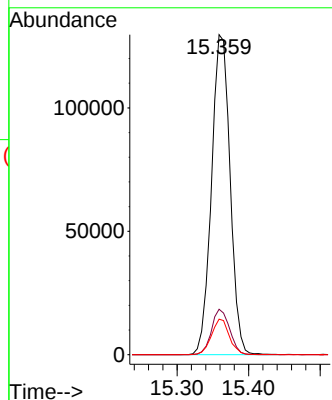
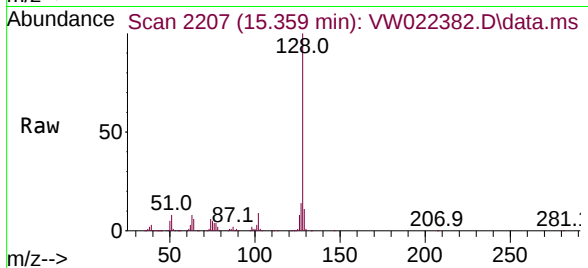
Tgt Ion:128 Resp: 233838

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.6

129 10.7 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 25.344 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW022382.D

Acq: 04 Apr 2022 12:50

Tgt Ion:180 Resp: 99784

Ion Ratio Lower Upper

180 100

182 94.0 79.0 118.4

145 32.8 28.0 42.0

