

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071822\
 Data File : VW023869.D
 Acq On : 19 Jul 2022 05:17
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025494

Quant Time: Jul 19 05:41:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 19 02:51:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	381150	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	385093	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	213421	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	152746	15.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.760%
7) Chloroethane-d5	2.879	69	101994	15.705	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.840%
11) 1,1-Dichloroethene-d2	4.013	63	174864	22.059	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.240%
21) 2-Butanone-d5	7.074	46	73403	48.612	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.220%
24) Chloroform-d	7.647	84	260598	23.484	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	8.305	65	142841	21.046	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	8.275	84	482124	24.084	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.320%
36) 1,2-Dichloropropane-d6	9.275	67	145630	24.151	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.600%
41) Toluene-d8	10.323	98	453067	22.313	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	10.579	79	58145	20.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.280%
47) 2-Hexanone-d5	10.921	63	59796	47.159	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.320%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	155094	23.274	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	180348	23.672	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.680%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.001	85	43473	16.784	ug/L	99
3) Chloromethane	2.215	50	108359	17.083	ug/L	99
5) Vinyl chloride	2.355	62	166708	15.306	ug/L	98
6) Bromomethane	2.770	94	95665	13.579	ug/L	98
8) Chloroethane	2.910	64	74432	14.607	ug/L	97
9) Trichlorofluoromethane	3.245	101	73673	14.880	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	112366	23.190	ug/L	99
12) 1,1-Dichloroethene	4.038	96	93008	23.020	ug/L	79
13) Acetone	4.123	43	46269	43.340	ug/L	98
14) Carbon disulfide	4.379	76	242118	20.371	ug/L	98
15) Methyl Acetate	4.672	43	55130	23.073	ug/L	97
16) Methylene chloride	4.916	84	136791	22.951	ug/L	98
17) trans-1,2-Dichloroethene	5.422	96	109005	22.236	ug/L	99
18) Methyl tert-butyl Ether	5.428	73	180899	23.853	ug/L	98
19) 1,1-Dichloroethane	6.214	63	203829	22.541	ug/L	100
20) cis-1,2-Dichloroethene	7.165	96	125974	23.196	ug/L #	94
22) 2-Butanone	7.171	43	75774	43.190	ug/L	99
23) Bromochloromethane	7.513	128	62351	23.899	ug/L	94
25) Chloroform	7.677	83	237738	22.821	ug/L	95

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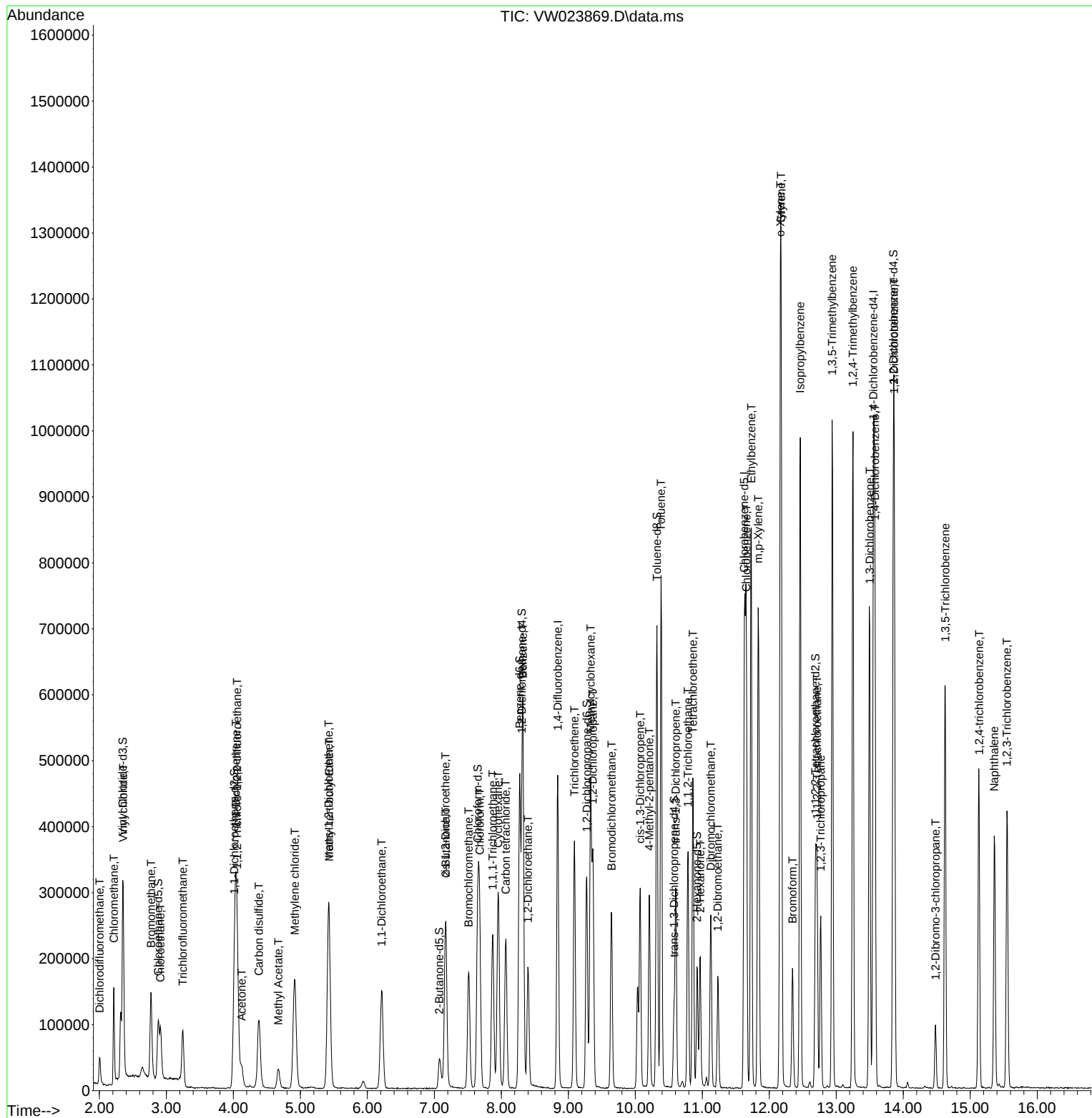
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	159870	20.852	ug/L	99
29) Cyclohexane	7.952	56	144646	20.537	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	185230	22.215	ug/L	98
31) Carbon tetrachloride	8.067	117	167345	22.264	ug/L	100
33) Benzene	8.324	78	487802	22.291	ug/L	100
34) Trichloroethene	9.092	95	123101	21.302	ug/L	99
35) Methylcyclohexane	9.336	83	180999	20.569	ug/L	96
37) 1,2-Dichloropropane	9.366	63	122487	22.326	ug/L	99
38) Bromodichloromethane	9.646	83	176703	23.077	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	169125	20.452	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	176018	46.105	ug/L	96
42) Toluene	10.384	91	547316	21.930	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	157370	20.022	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	110965	23.131	ug/L	98
46) Tetrachloroethene	10.860	164	97659	21.856	ug/L	93
48) 2-Hexanone	10.969	43	123658	44.487	ug/L	97
49) Dibromochloromethane	11.128	129	132724	23.857	ug/L	97
50) 1,2-Dibromoethane	11.232	107	103807	22.524	ug/L	91
51) Chlorobenzene	11.658	112	372648	22.139	ug/L	94
52) Ethylbenzene	11.731	91	592674	20.898	ug/L	98
53) m,p-Xylene	11.835	106	235925	21.321	ug/L	97
54) o-Xylene	12.164	106	232227	21.853	ug/L	99
55) Styrene	12.176	104	423916	22.581	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	145101	22.175	ug/L	98
59) Bromoform	12.347	173	78817	25.045	ug/L #	96
60) Isopropylbenzene	12.463	105	621860	21.691	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	101606	21.712	ug/L	97
62) 1,3,5-Trimethylbenzene	12.939	105	514560	21.923	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	520131	22.165	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	299103	22.978	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	306367	22.123	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	284170	23.148	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	21681	20.087	ug/L #	63
69) 1,3,5-Trichlorobenzene	14.627	180	187451	21.757	ug/L	96
70) 1,2,4-trichlorobenzene	15.133	180	145916	21.933	ug/L	99
71) Naphthalene	15.359	128	325047	22.777	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	136137	21.954	ug/L	99

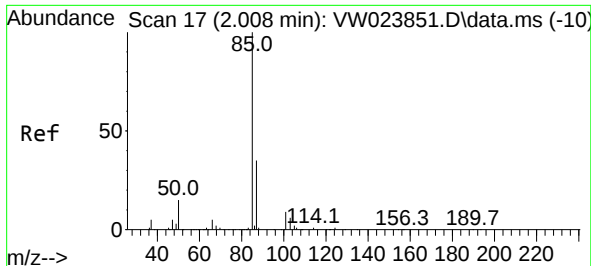
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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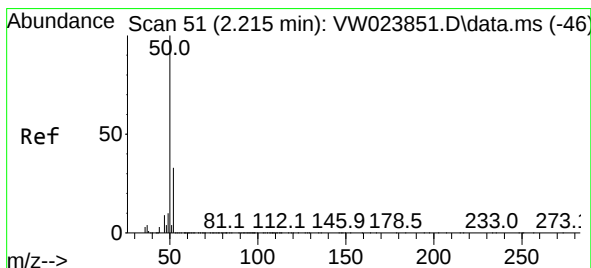
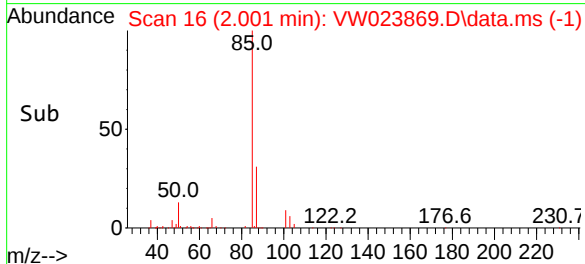
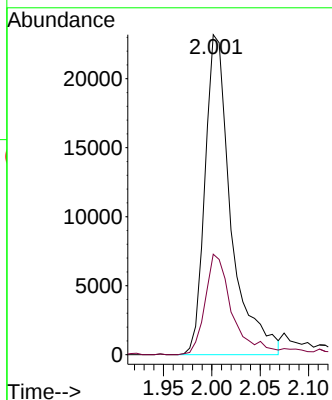
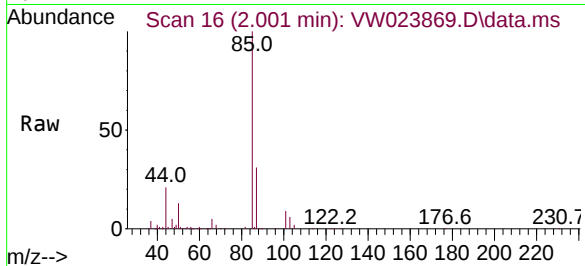




#2
Dichlorodifluoromethane
Concen: 16.784 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

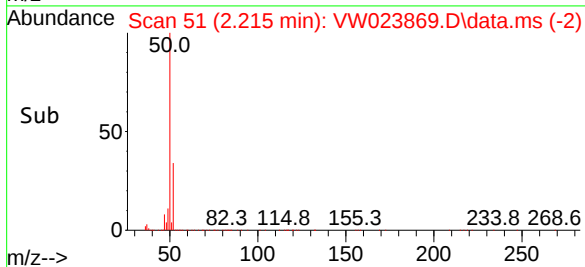
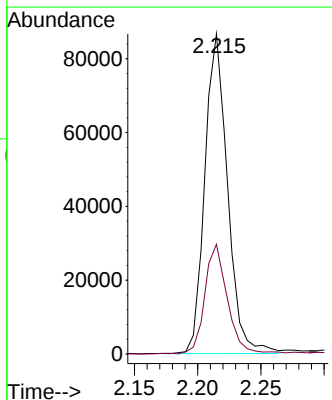
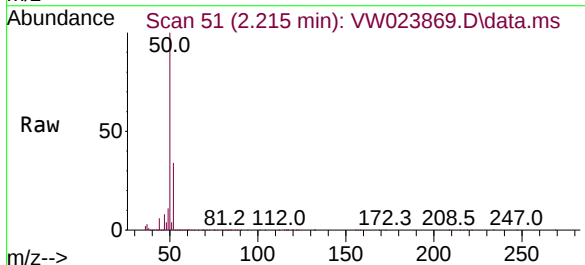
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MSVOA_W
ClientSampleId :
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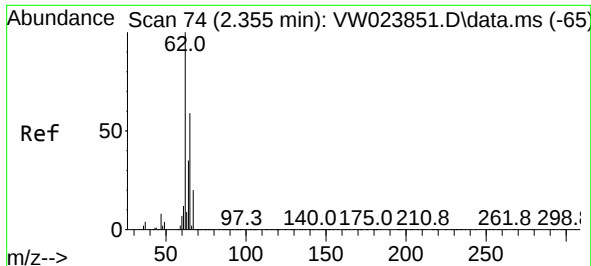
Tgt Ion: 85 Resp: 43473
Ion Ratio Lower Upper
85 100
87 30.6 24.7 37.1



#3
Chloromethane
Concen: 17.083 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 50 Resp: 108359
Ion Ratio Lower Upper
50 100
52 34.3 23.7 44.1

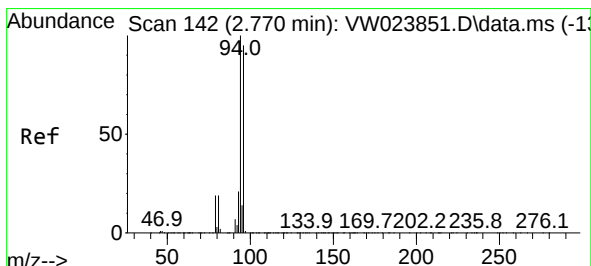
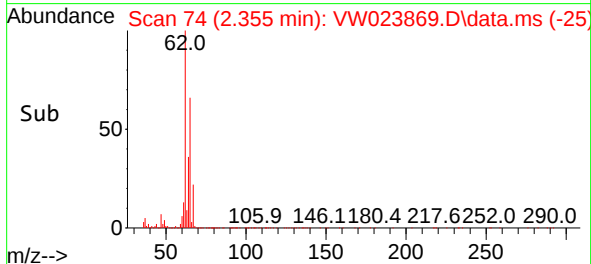
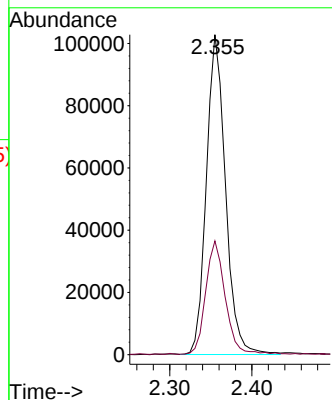
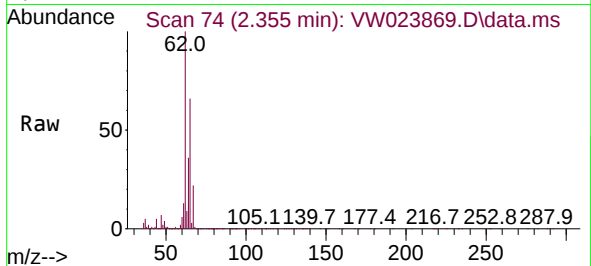




#5
 Vinyl chloride
 Concen: 15.306 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VW023869.D
 Acq: 19 Jul 2022 05:17

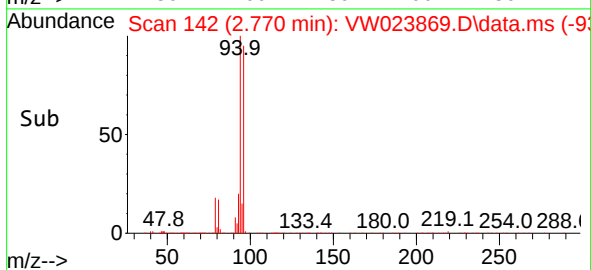
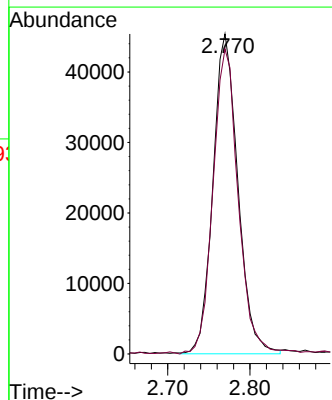
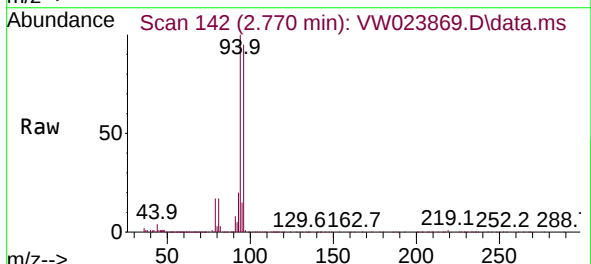
Instrument :
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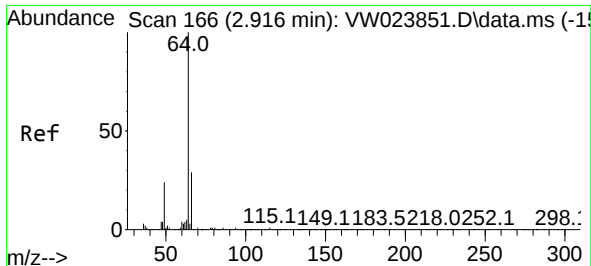
Tgt Ion: 62 Resp: 166708
 Ion Ratio Lower Upper
 62 100
 64 35.6 24.0 44.6



#6
 Bromomethane
 Concen: 13.579 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VW023869.D
 Acq: 19 Jul 2022 05:17

Tgt Ion: 94 Resp: 95665
 Ion Ratio Lower Upper
 94 100
 96 95.3 68.2 126.6

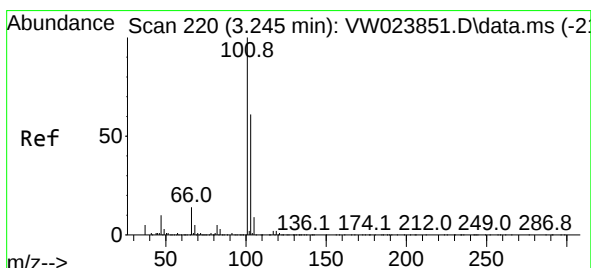
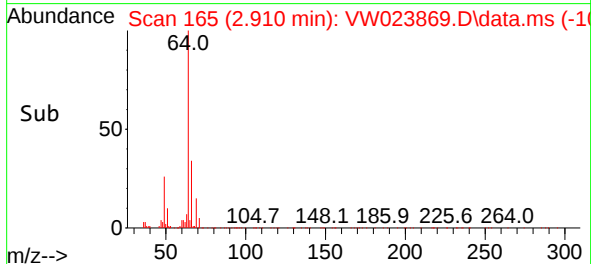
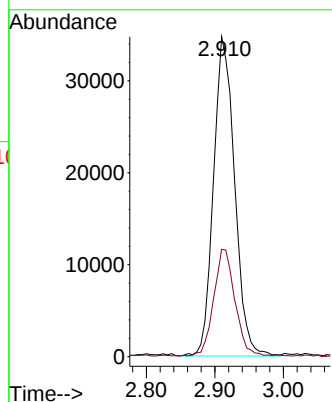
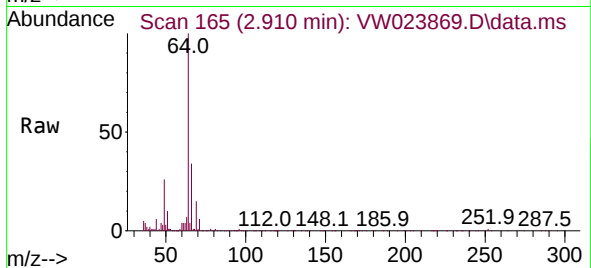




#8
Chloroethane
Concen: 14.607 ug/L
RT: 2.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

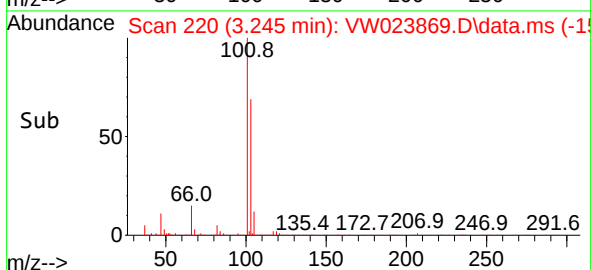
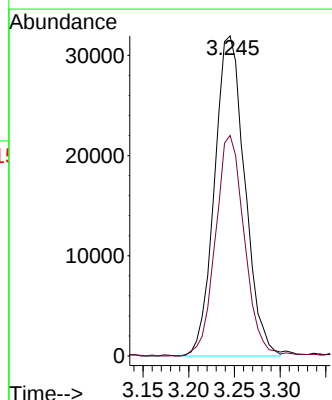
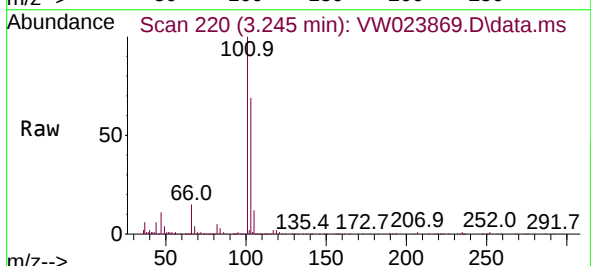
Instrument :
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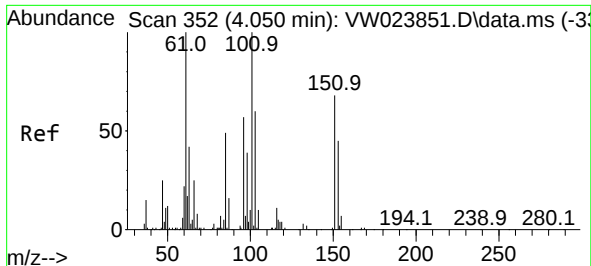
Tgt Ion: 64 Resp: 74432
Ion Ratio Lower Upper
64 100
66 33.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 14.880 ug/L
RT: 3.245 min Scan# 220
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 101 Resp: 73673
Ion Ratio Lower Upper
101 100
103 65.5 52.1 78.1





#10

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

Concen: 23.190 ug/L

RT: 4.056 min Scan# 31

Delta R.T. 0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

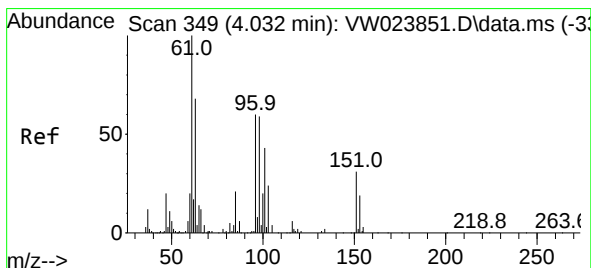
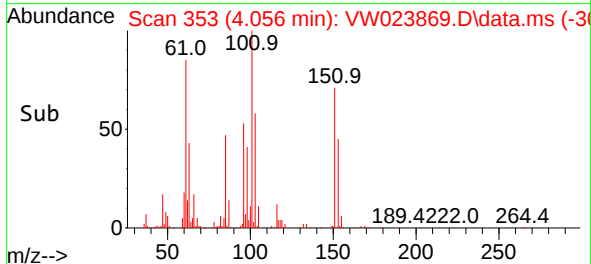
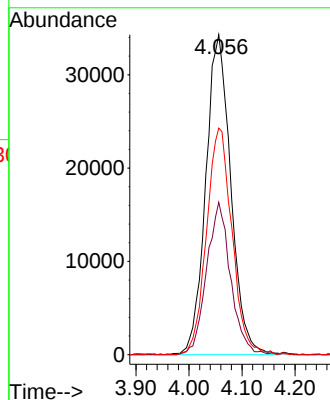
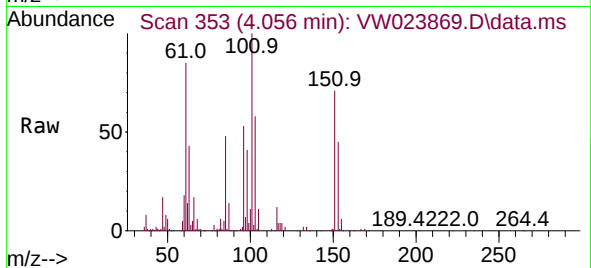
Tgt Ion:101 Resp: 112366

Ion Ratio Lower Upper

101 100

85 45.3 37.6 56.4

151 71.8 57.6 86.4



#12

1,1-Dichloroethene

Concen: 23.020 ug/L

RT: 4.038 min Scan# 350

Delta R.T. 0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

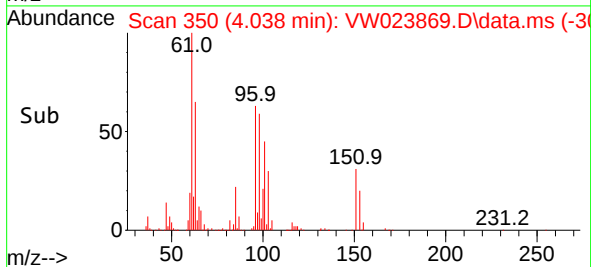
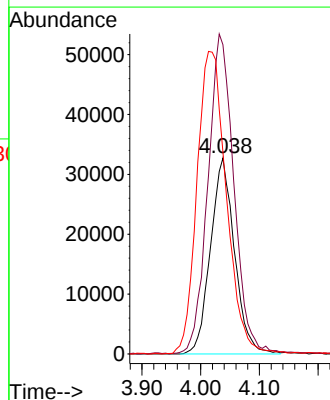
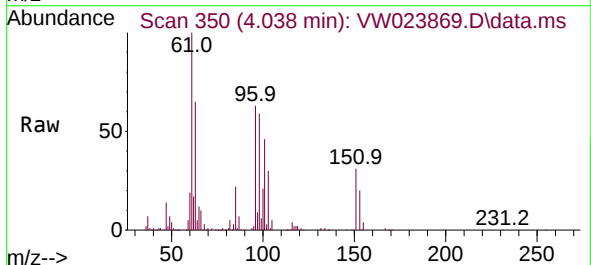
Tgt Ion: 96 Resp: 93008

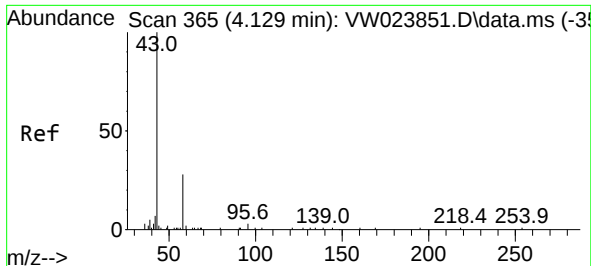
Ion Ratio Lower Upper

96 100

61 157.9 125.4 232.8

63 103.2 97.4 180.8

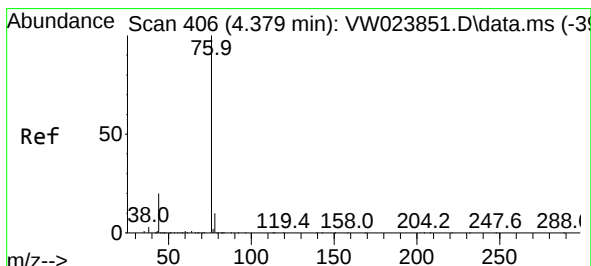
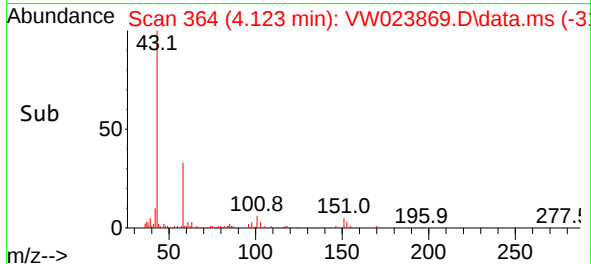
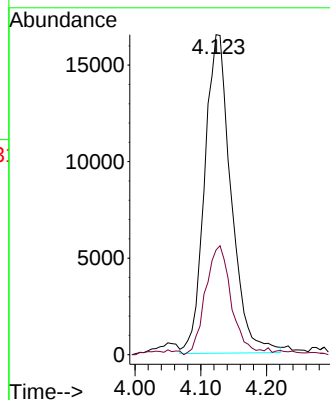
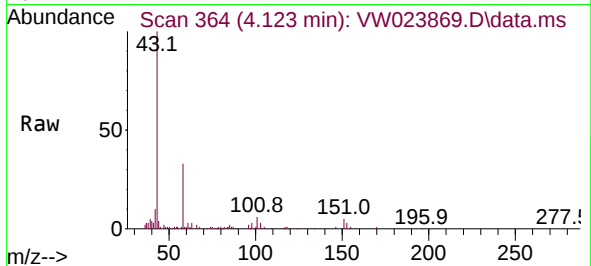




#13
Acetone
Concen: 43.340 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW023869.D
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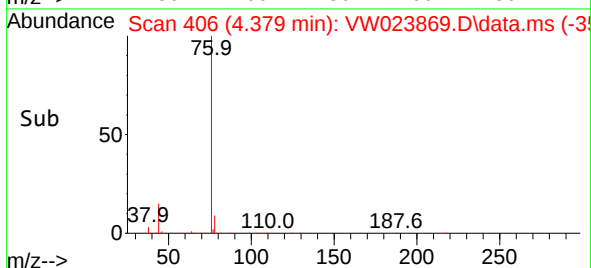
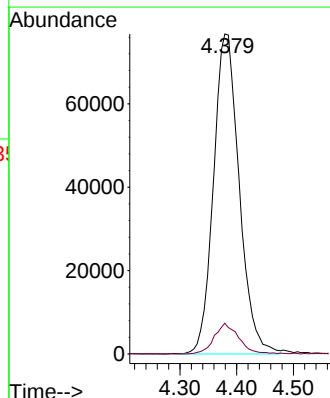
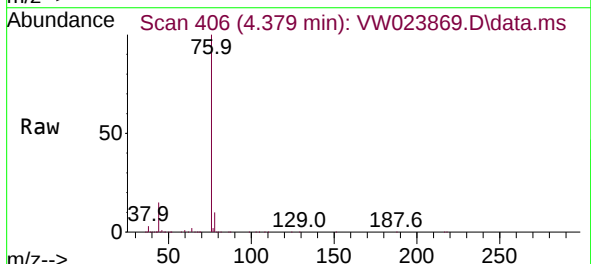
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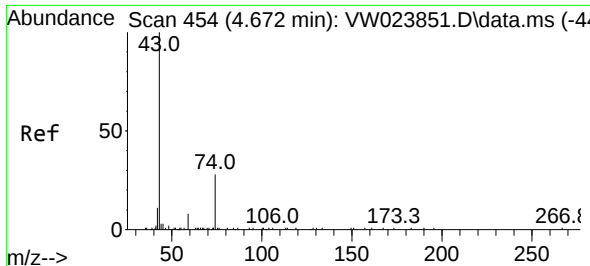
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Ion Ratio Lower Upper
43 100
58 33.4 0.0 64.2



#14
Carbon disulfide
Concen: 20.371 ug/L
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 76 Resp: 242118
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

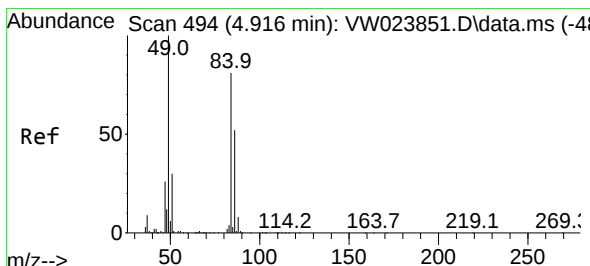
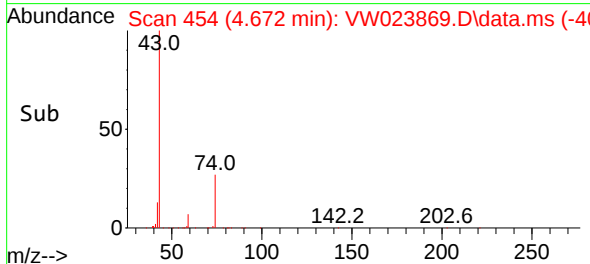
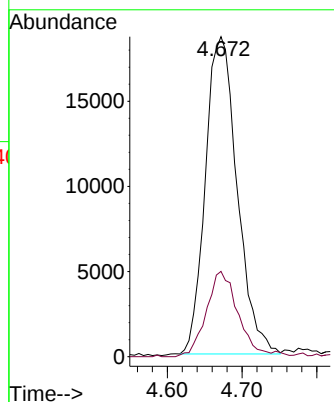
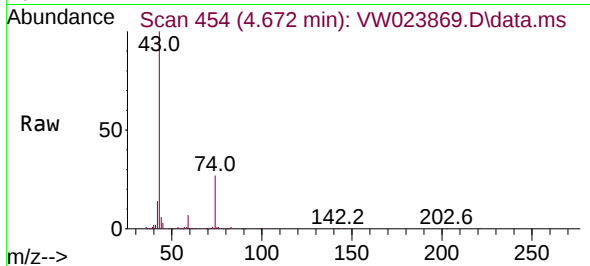




#15
Methyl Acetate
Concen: 23.073 ug/L
RT: 4.672 min Scan# 415
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

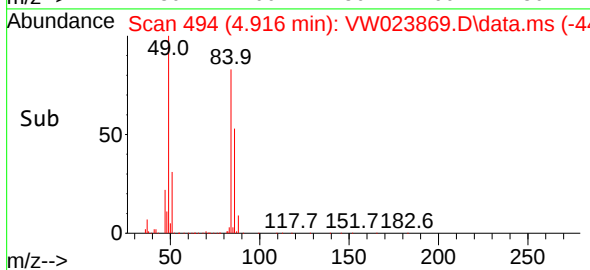
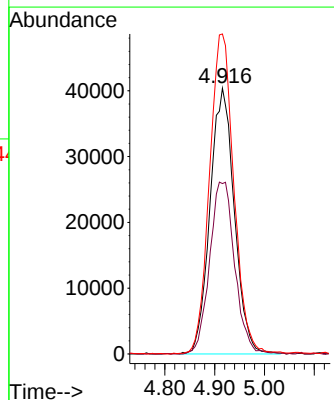
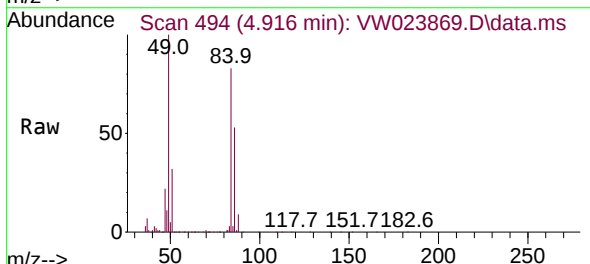
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

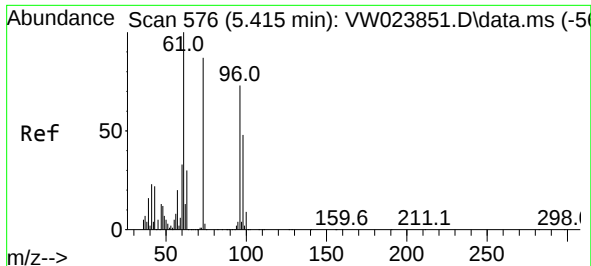
Tgt Ion: 43 Resp: 55130
Ion Ratio Lower Upper
43 100
74 26.4 20.0 30.0



#16
Methylene chloride
Concen: 22.951 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 84 Resp: 136791
Ion Ratio Lower Upper
84 100
86 64.1 42.8 79.6
49 120.4 85.4 158.6

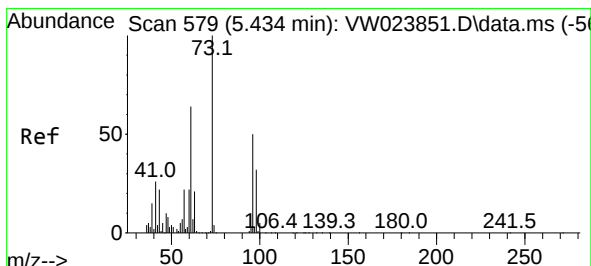
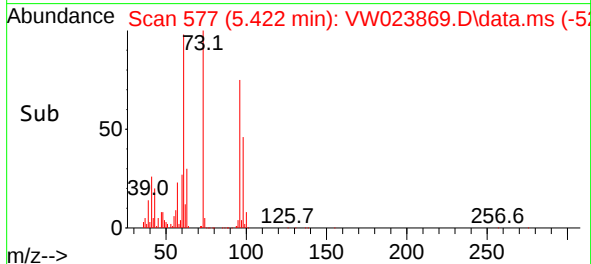
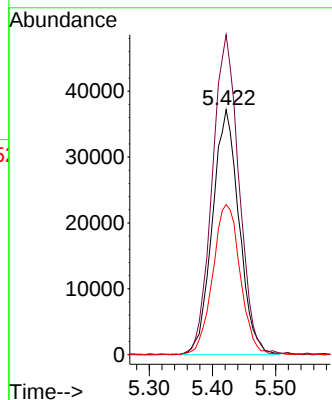
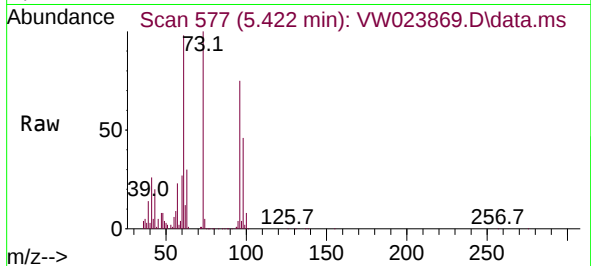




#17
trans-1,2-Dichloroethene
Concen: 22.236 ug/L
RT: 5.422 min Scan# 576
Delta R.T. 0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

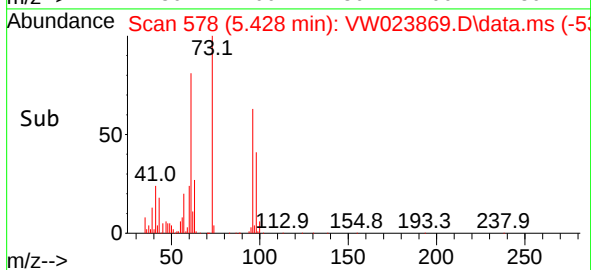
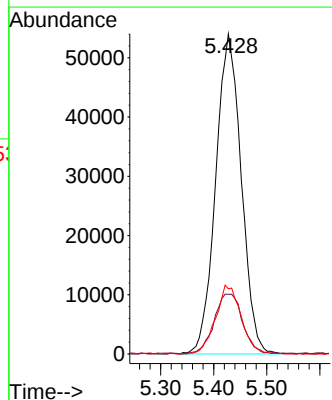
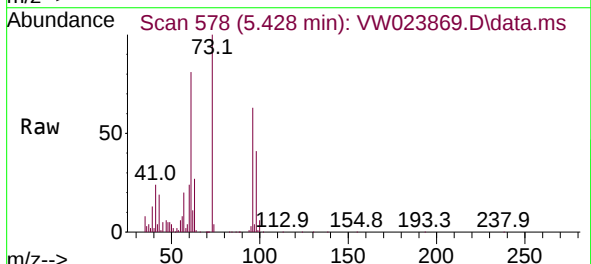
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

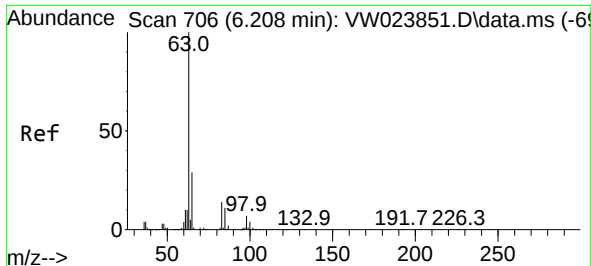
Tgt Ion: 96 Resp: 109005
Ion Ratio Lower Upper
96 100
61 130.7 90.8 168.6
98 61.3 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 23.853 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 73 Resp: 180899
Ion Ratio Lower Upper
73 100
43 20.7 17.6 26.4
57 21.4 16.8 25.2





#19

1,1-Dichloroethane

Concen: 22.541 ug/L

RT: 6.214 min Scan# 706

Delta R.T. 0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

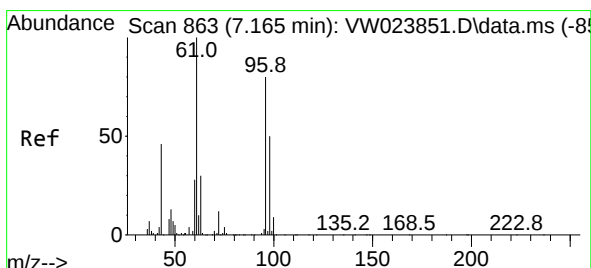
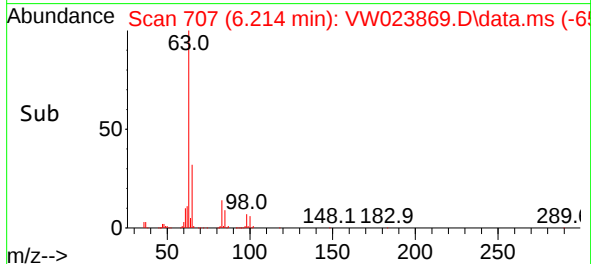
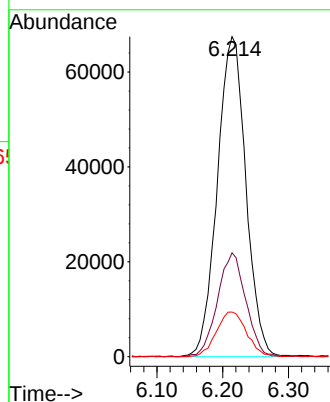
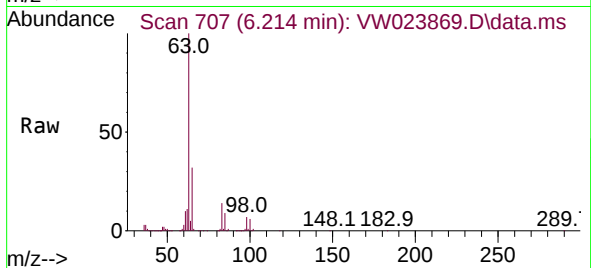
Tgt Ion: 63 Resp: 203829

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.1

83 13.9 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 23.196 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

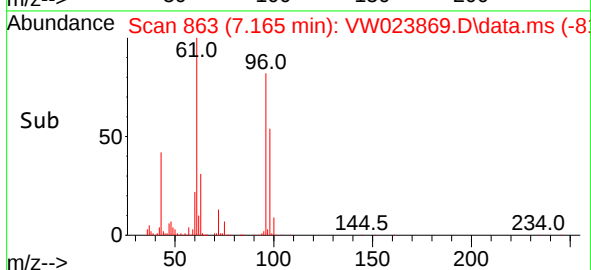
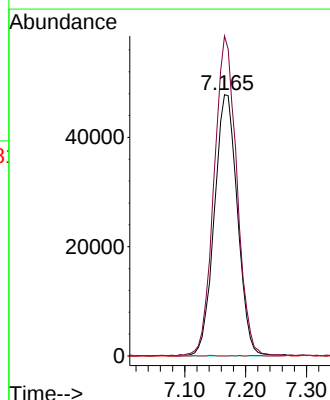
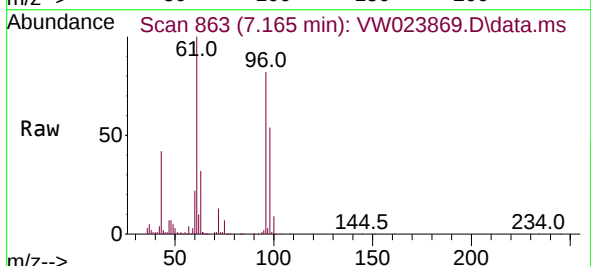
Tgt Ion: 96 Resp: 125974

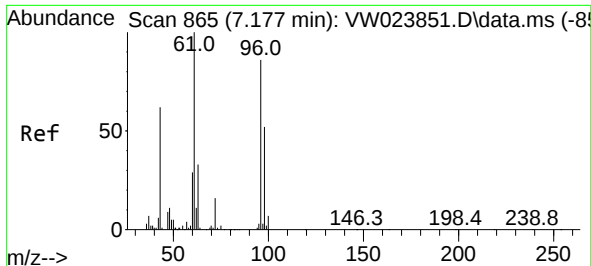
Ion Ratio Lower Upper

96 100

61 122.5 90.6 168.2

68 0.0 0.2 0.4

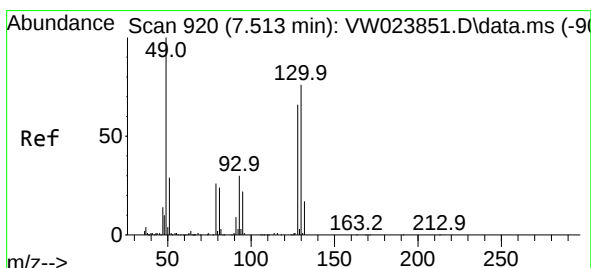
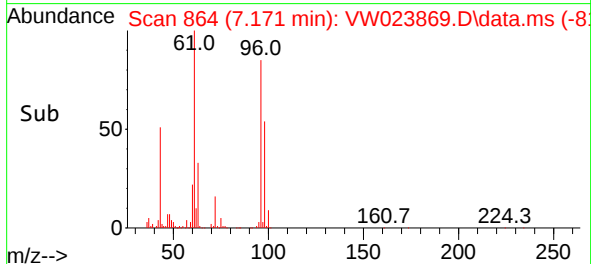
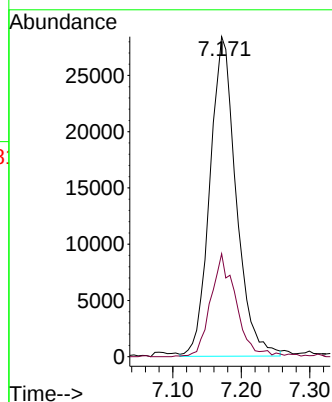
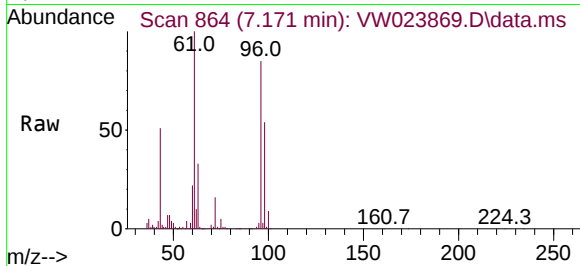




#22
2-Butanone
Concen: 43.190 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

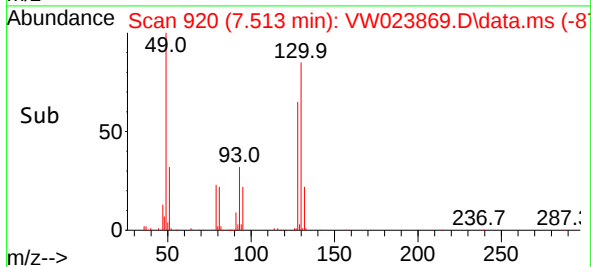
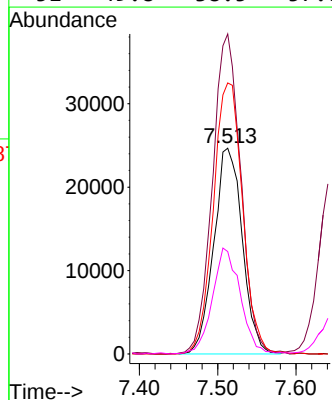
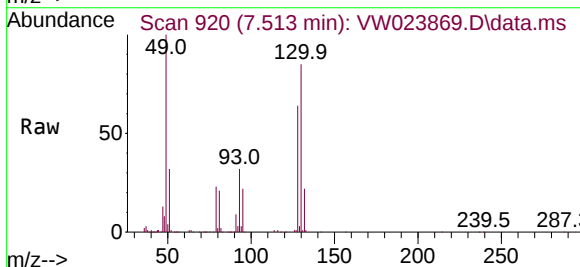
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

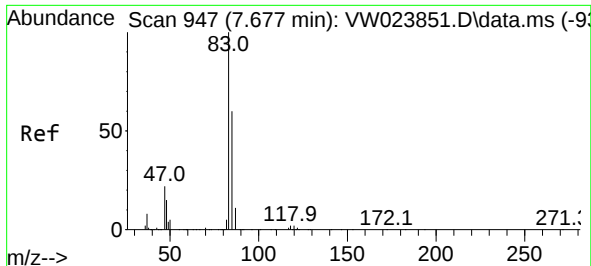
Tgt Ion: 43 Resp: 75774
Ion Ratio Lower Upper
43 100
72 30.2 14.7 44.1



#23
Bromochloromethane
Concen: 23.899 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 128 Resp: 62351
Ion Ratio Lower Upper
128 100
49 155.5 106.0 196.8
130 131.7 83.2 154.4
51 49.8 38.5 57.7

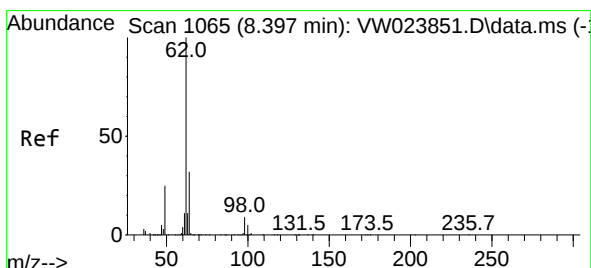
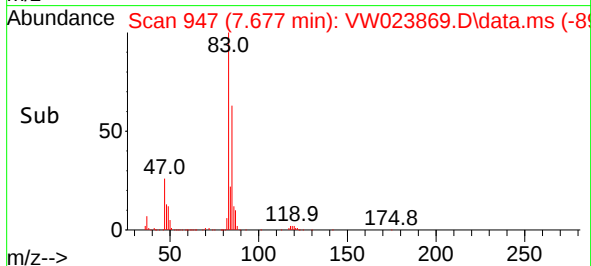
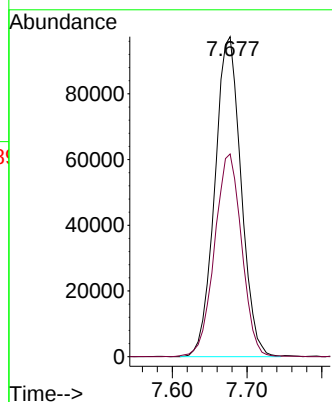
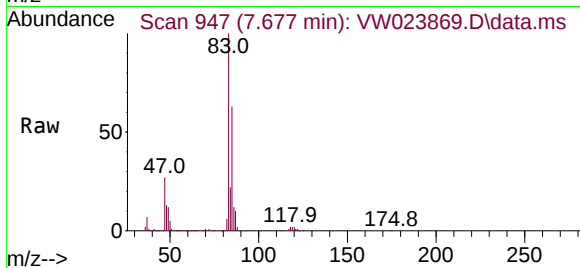




#25
Chloroform
Concen: 22.821 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

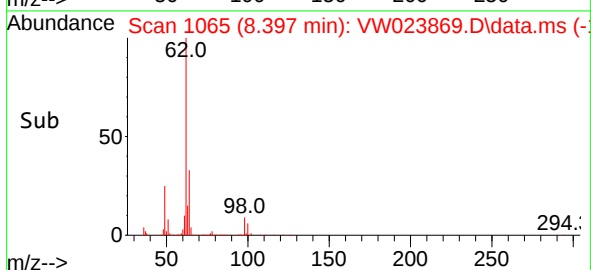
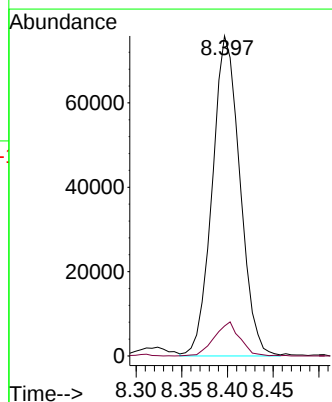
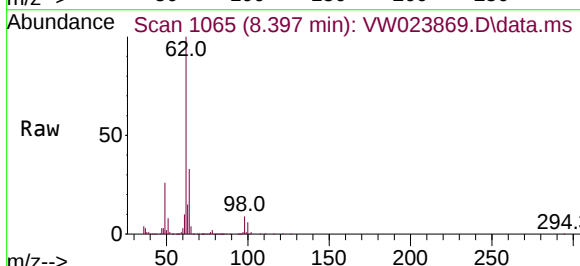
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

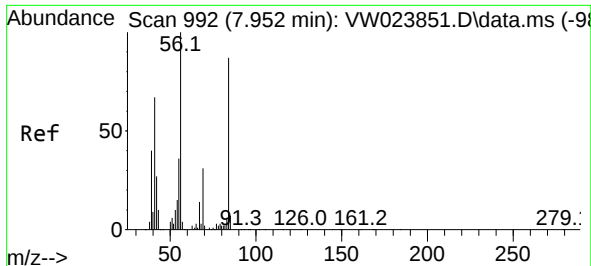
Tgt Ion: 83 Resp: 237738
Ion Ratio Lower Upper
83 100
85 63.4 41.9 77.9



#27
1,2-Dichloroethane
Concen: 20.852 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

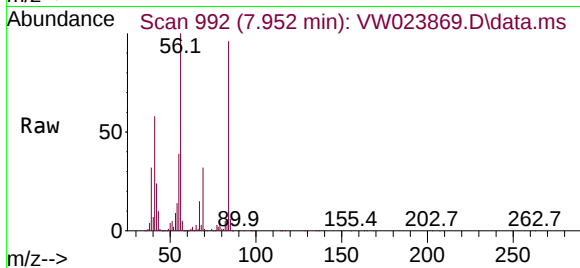
Tgt Ion: 62 Resp: 159870
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8



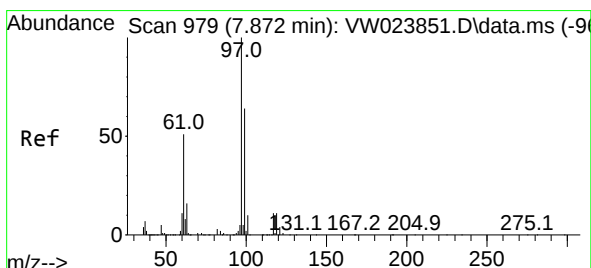
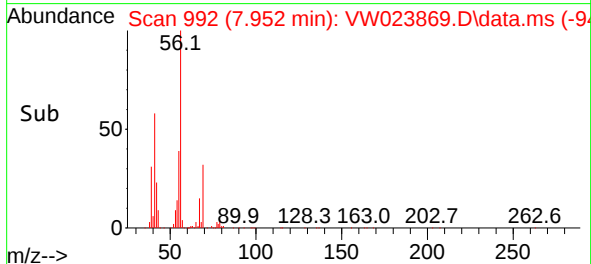
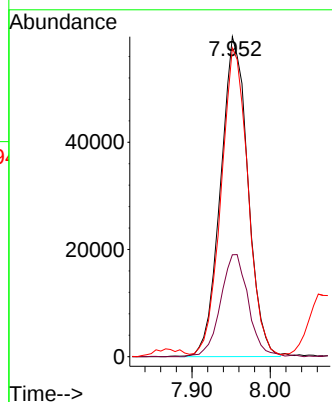


#29
Cyclohexane
Concen: 20.537 ug/L
RT: 7.952 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

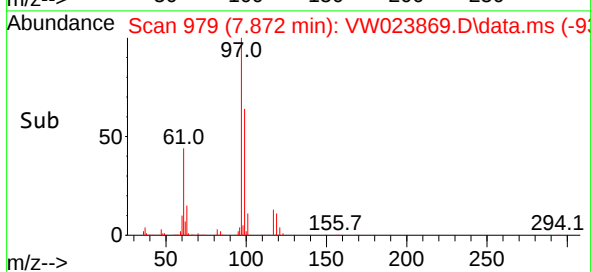
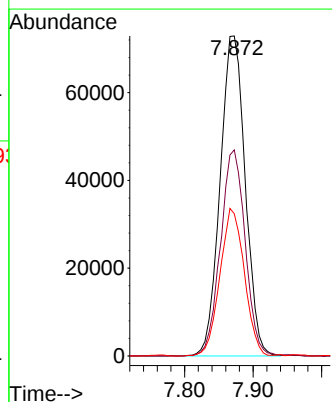
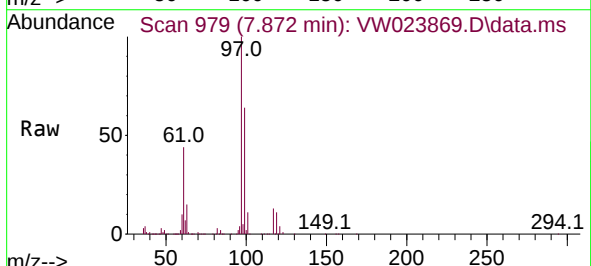


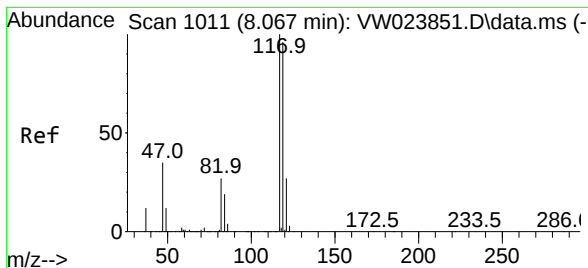
Tgt Ion: 56 Resp: 144646
Ion Ratio Lower Upper
56 100
69 31.6 25.4 38.0
84 95.2 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 22.215 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 97 Resp: 185230
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 44.9 37.5 56.3

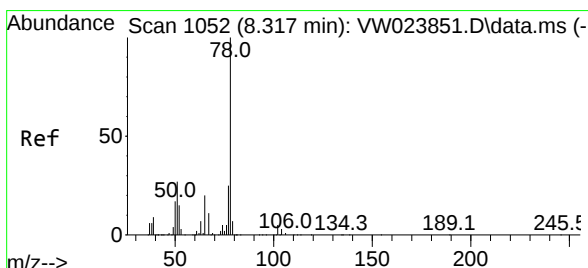
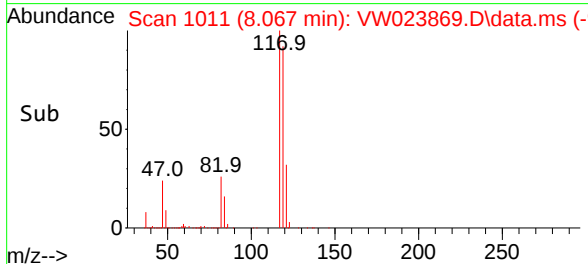
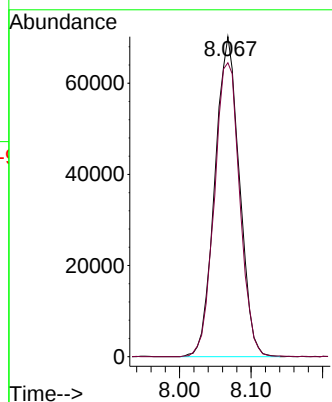
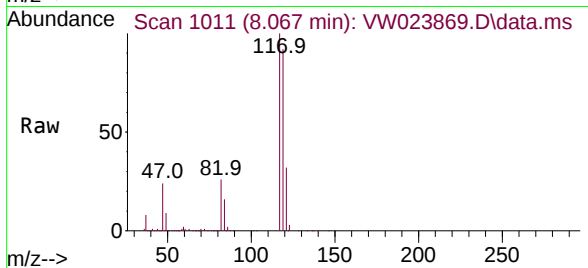




#31
Carbon tetrachloride
Concen: 22.264 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

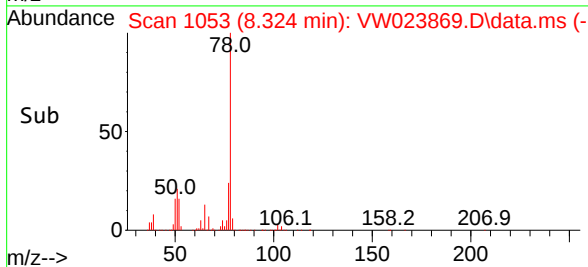
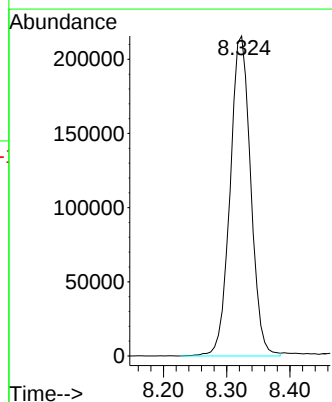
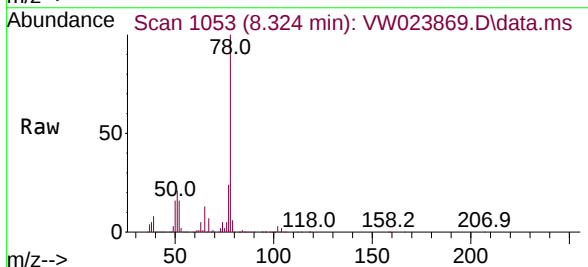
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

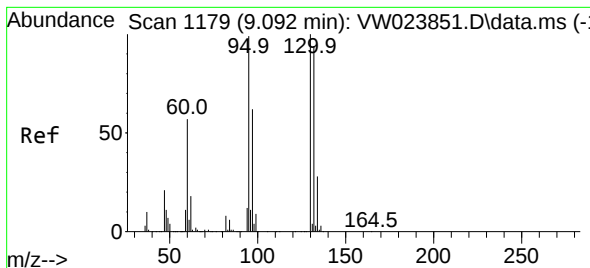
Tgt Ion:117 Resp: 167345
Ion Ratio Lower Upper
117 100
119 94.8 75.7 113.5



#33
Benzene
Concen: 22.291 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 78 Resp: 487802





#34

Trichloroethene

Concen: 21.302 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion: 95 Resp: 123101

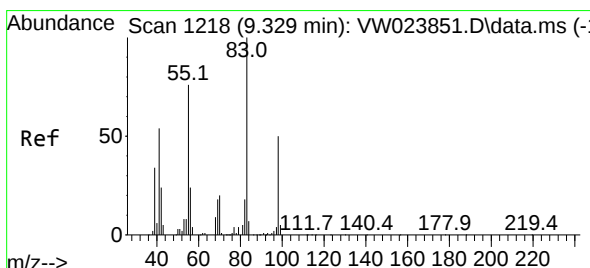
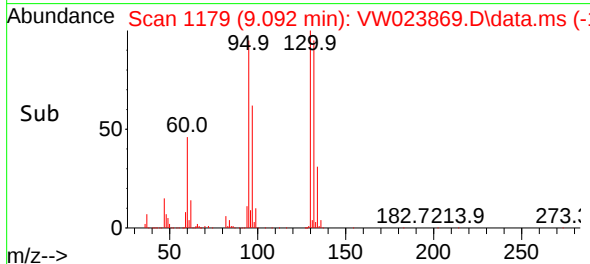
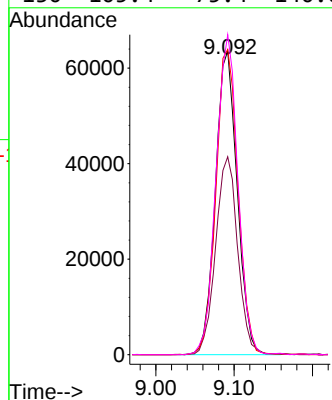
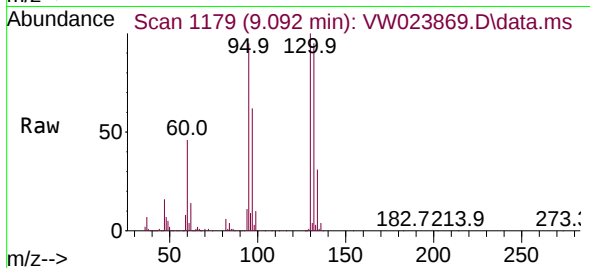
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 100.5 69.9 129.7

130 105.4 75.4 140.0



#35

Methylcyclohexane

Concen: 20.569 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

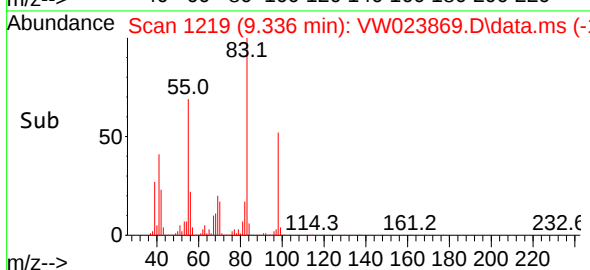
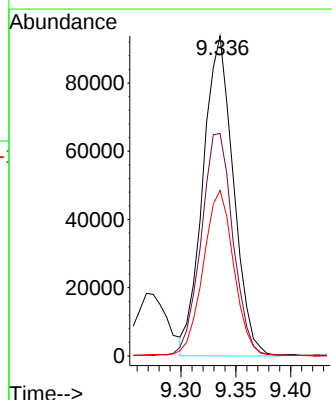
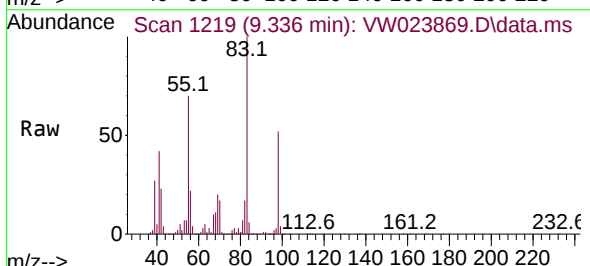
Tgt Ion: 83 Resp: 180999

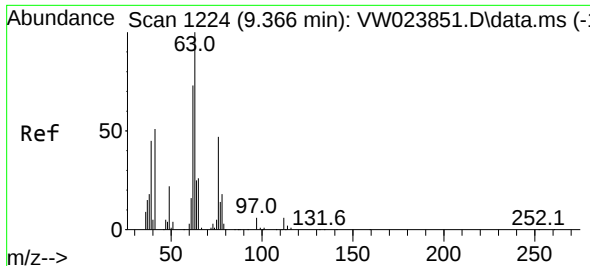
Ion Ratio Lower Upper

83 100

55 73.0 60.8 91.2

98 52.3 39.5 59.3





#37

1,2-Dichloropropane

Concen: 22.326 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

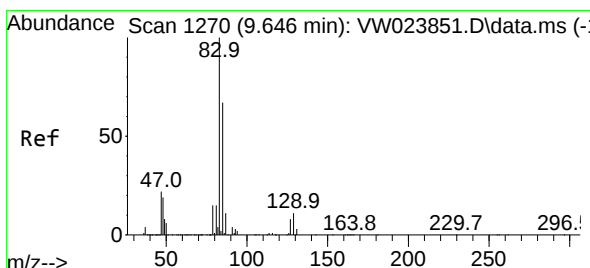
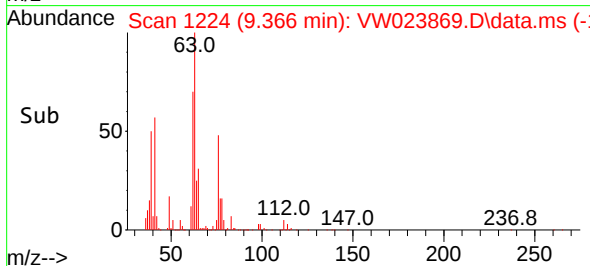
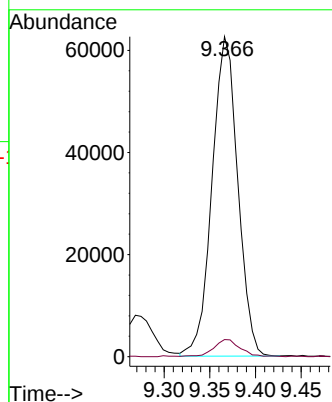
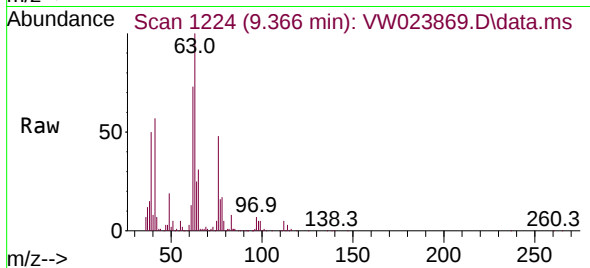
VSTD025494

Tgt Ion: 63 Resp: 122487

Ion Ratio Lower Upper

63 100

112 5.5 4.2 6.2



#38

Bromodichloromethane

Concen: 23.077 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

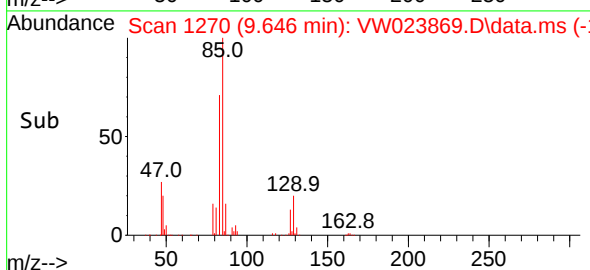
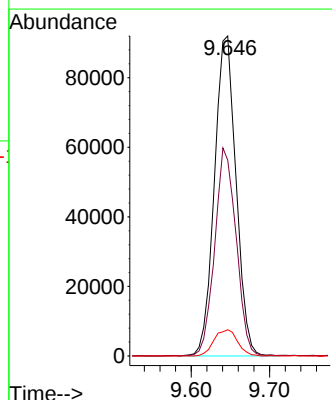
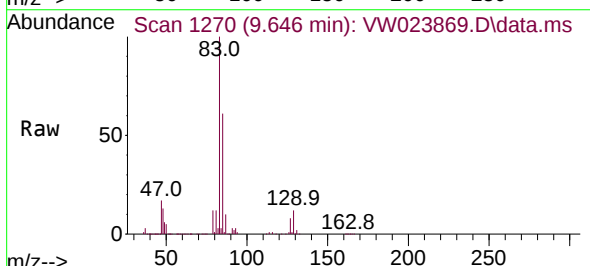
Tgt Ion: 83 Resp: 176703

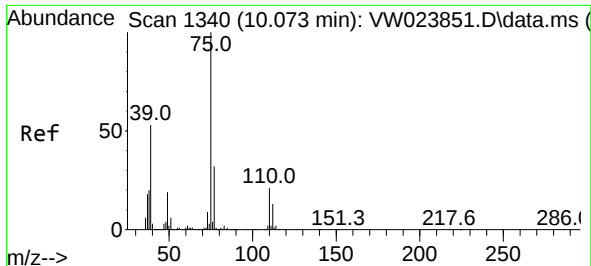
Ion Ratio Lower Upper

83 100

85 61.2 45.5 84.5

127 8.2 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 20.452 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

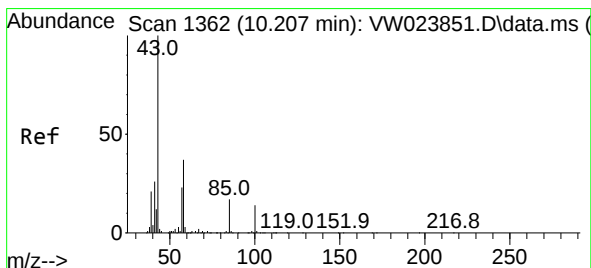
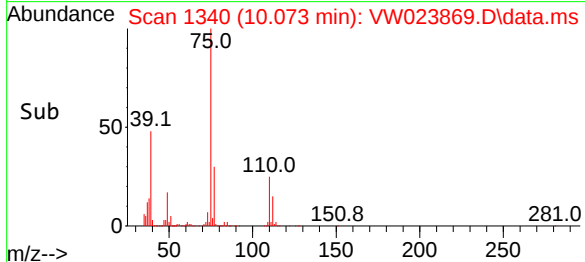
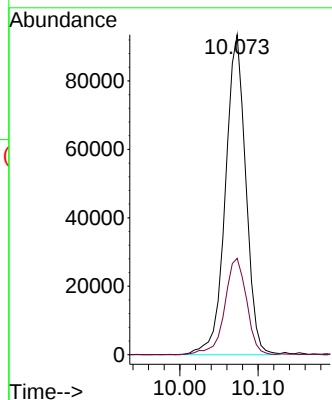
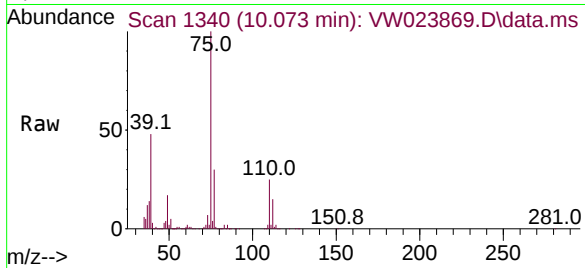
VSTD025494

Tgt Ion: 75 Resp: 169125

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 46.105 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

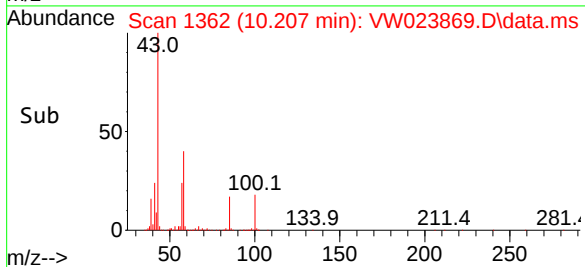
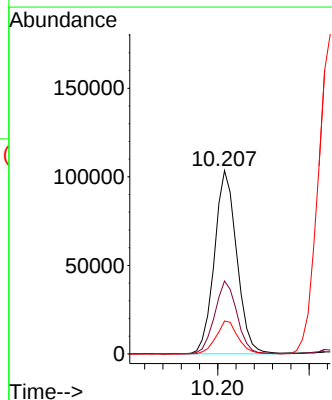
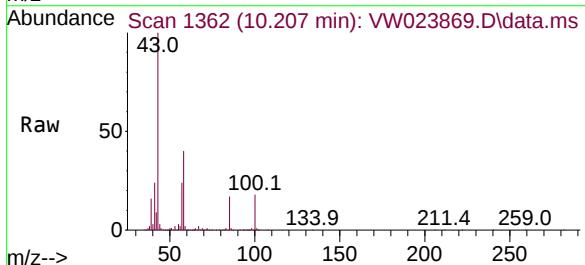
Tgt Ion: 43 Resp: 176018

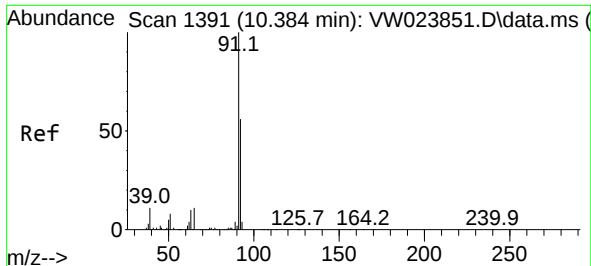
Ion Ratio Lower Upper

43 100

58 39.8 29.8 44.8

100 17.8 13.0 19.4

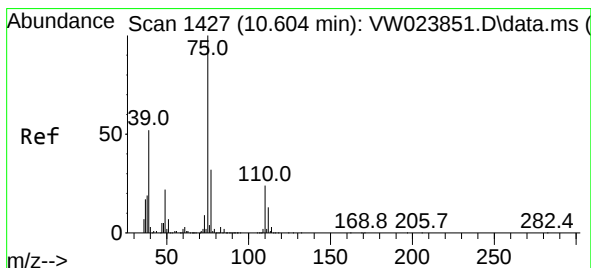
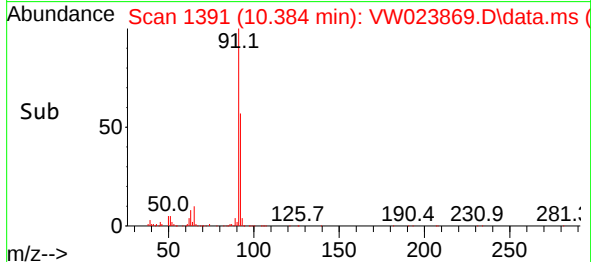
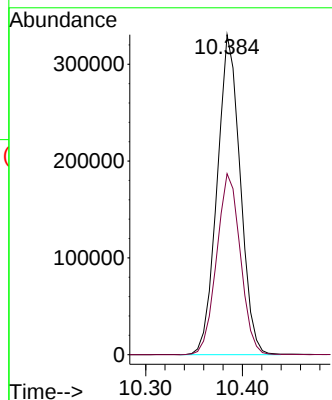
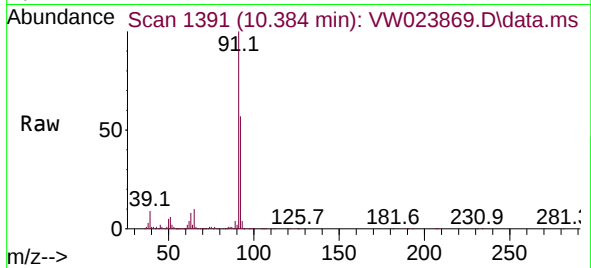




#42
Toluene
Concen: 21.930 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

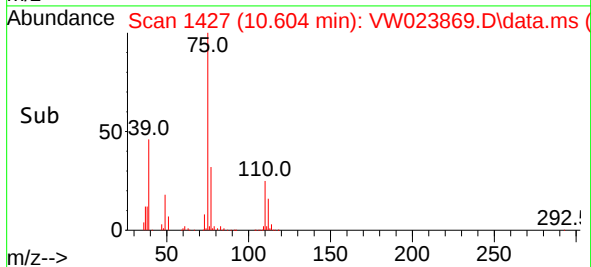
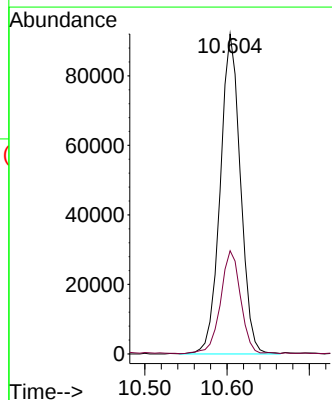
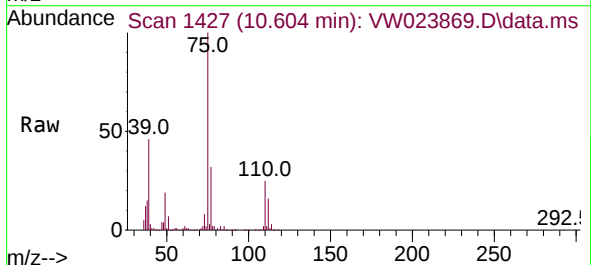
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

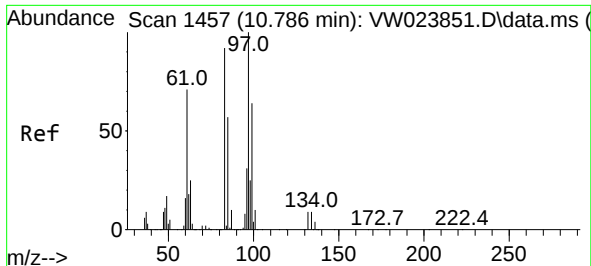
Tgt Ion: 91 Resp: 547316
Ion Ratio Lower Upper
91 100
92 56.6 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 20.022 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion: 75 Resp: 157370
Ion Ratio Lower Upper
75 100
77 32.3 22.0 41.0

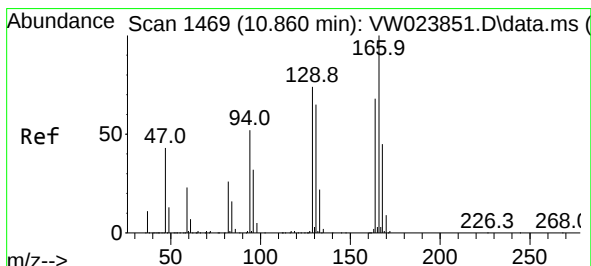
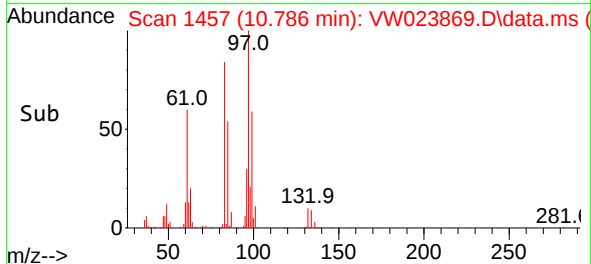
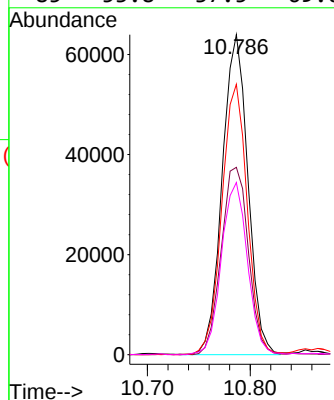
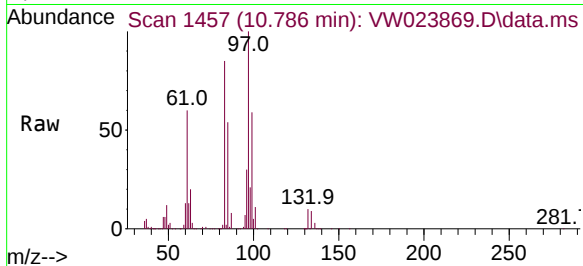




#45
1,1,2-Trichloroethane
Concen: 23.131 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

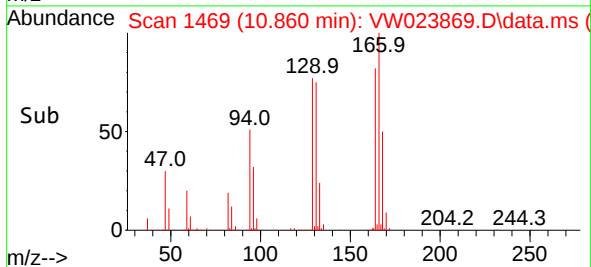
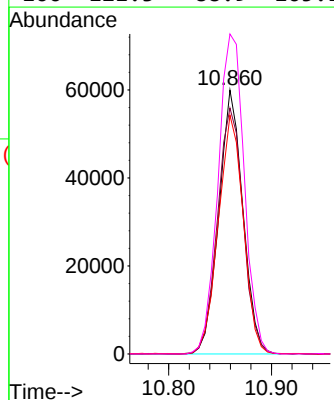
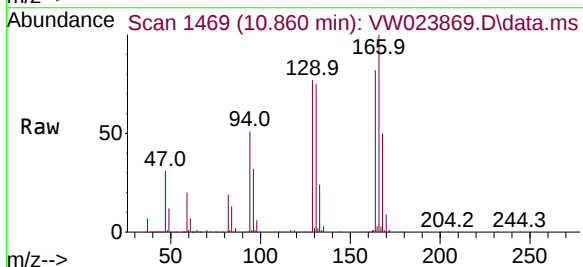
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

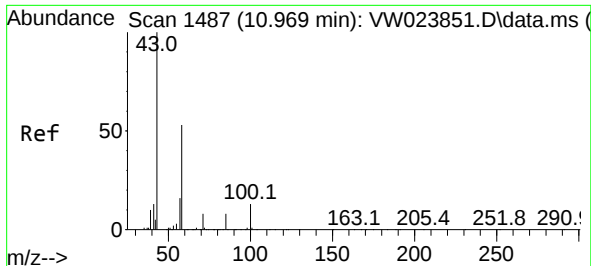
Tgt Ion: 97	Resp: 110965
Ion Ratio	Lower Upper
97 100	
99 58.6	44.2 82.2
83 84.5	59.8 111.0
85 53.8	37.5 69.6



#46
Tetrachloroethene
Concen: 21.856 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt	Ion:164	Resp:	97659
Ion	Ratio	Lower	Upper
164	100		
129	93.2	72.4	134.5
131	90.4	67.8	125.8
166	121.3	88.9	165.1

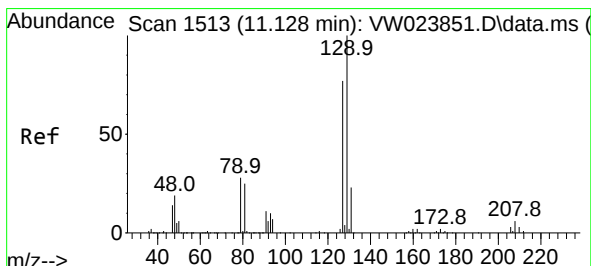
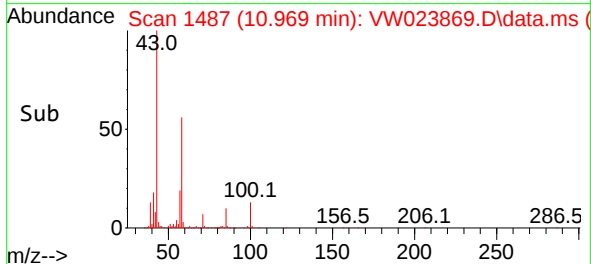
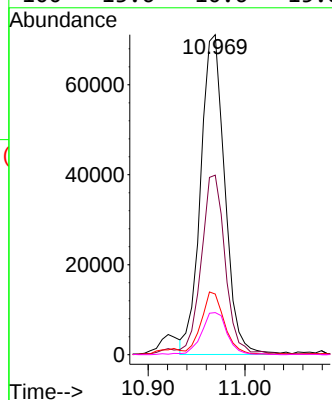
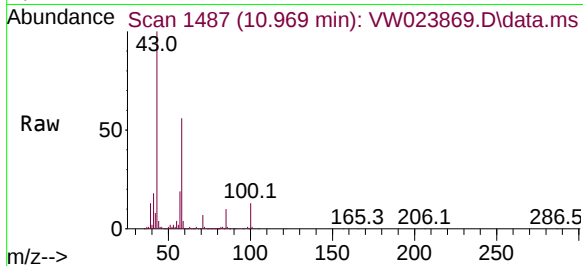




#48
2-Hexanone
Concen: 44.487 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

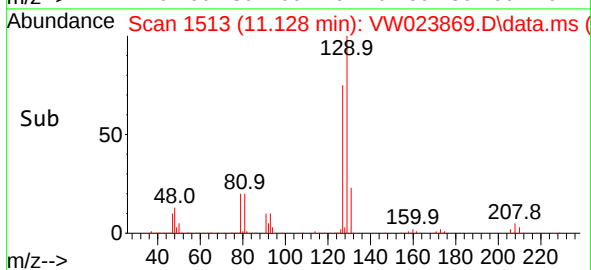
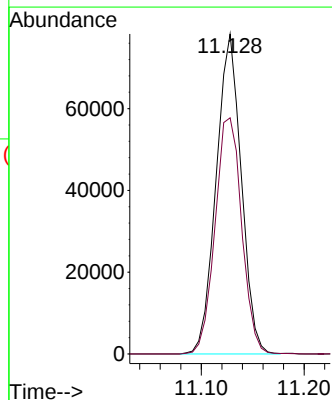
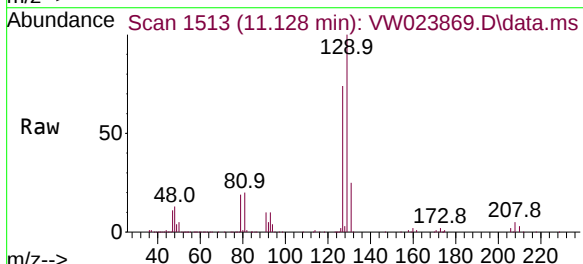
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

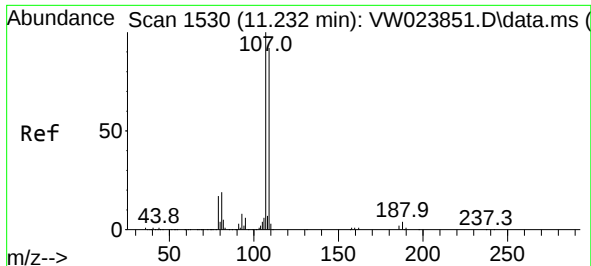
Tgt Ion:	43	Resp:	123658
Ion	Ratio	Lower	Upper
43	100		
58	55.2	41.6	62.4
57	18.8	14.6	21.8
100	13.6	10.6	15.8



#49
Dibromochloromethane
Concen: 23.857 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion:	129	Resp:	132724
Ion	Ratio	Lower	Upper
129	100		
127	73.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 22.524 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

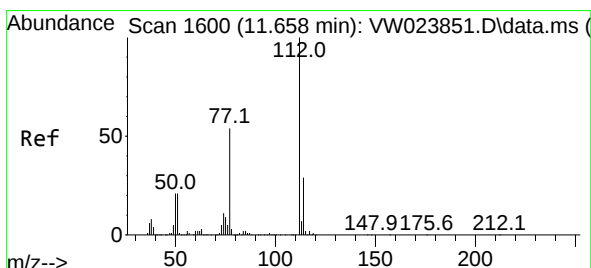
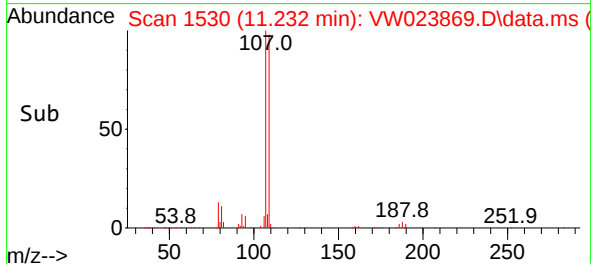
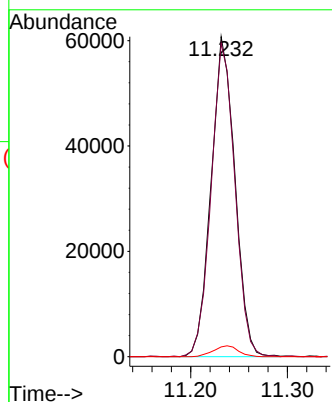
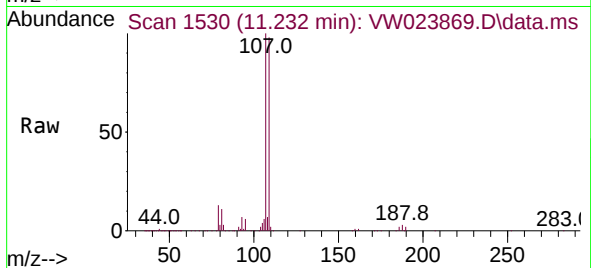
Tgt Ion:107 Resp: 103807

Ion Ratio Lower Upper

107 100

109 97.9 62.4 116.0

188 3.0 2.3 3.5



#51

Chlorobenzene

Concen: 22.139 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

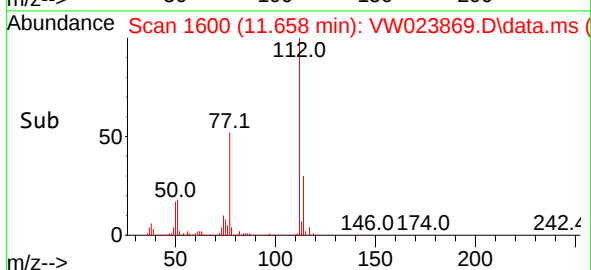
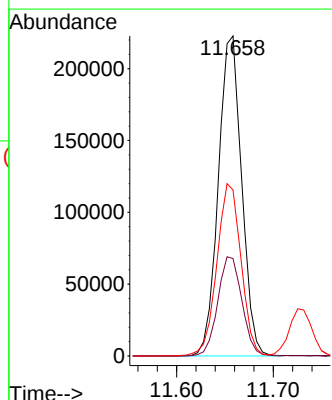
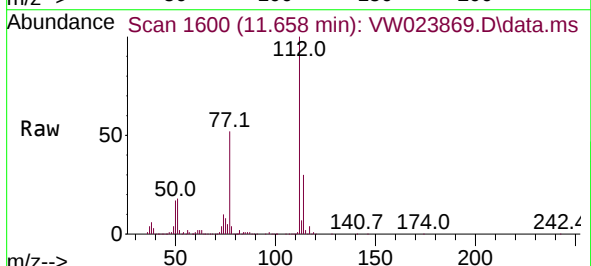
Tgt Ion:112 Resp: 372648

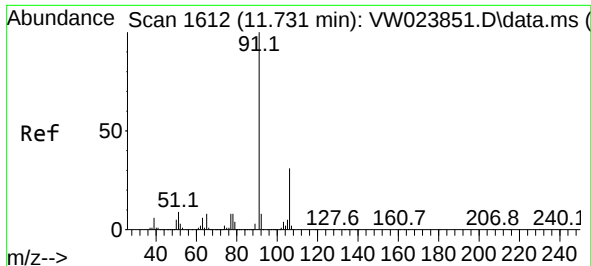
Ion Ratio Lower Upper

112 100

114 30.5 21.1 39.3

77 51.9 46.6 69.8





#52

Ethylbenzene

Concen: 20.898 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

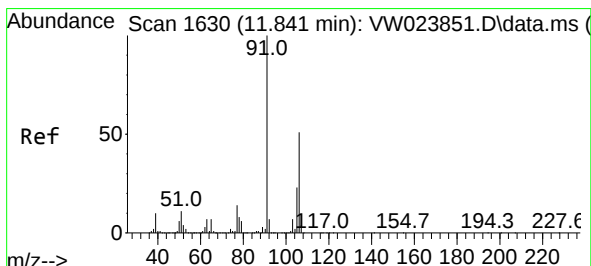
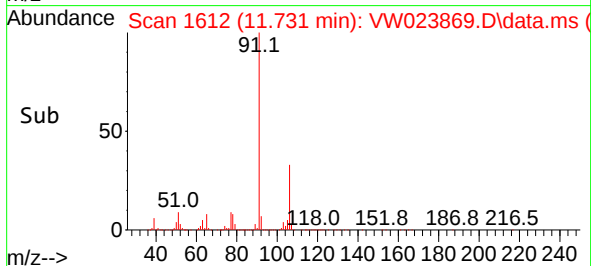
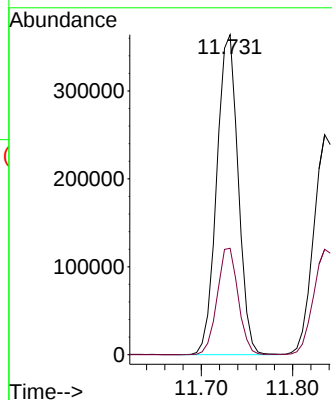
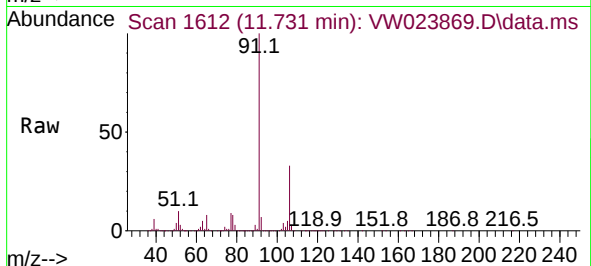
VSTD025494

Tgt Ion: 91 Resp: 592674

Ion Ratio Lower Upper

91 100

106 33.2 22.5 41.9



#53

m,p-Xylene

Concen: 21.321 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW023869.D

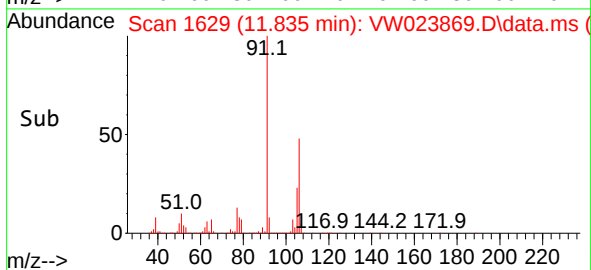
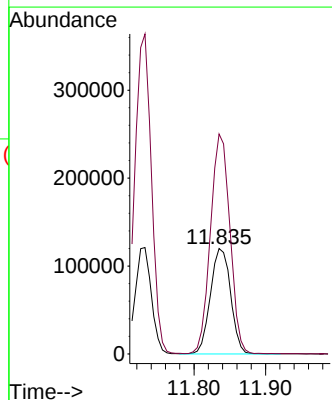
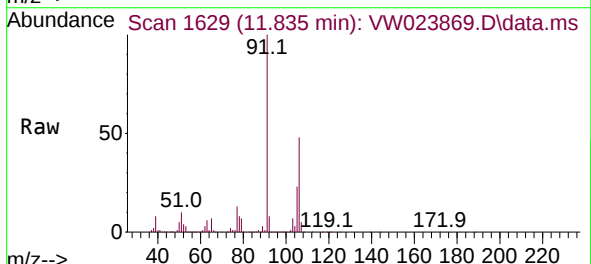
Acq: 19 Jul 2022 05:17

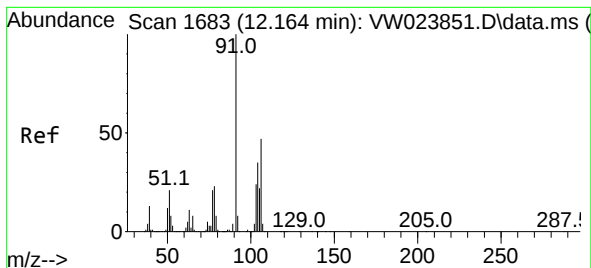
Tgt Ion:106 Resp: 235925

Ion Ratio Lower Upper

106 100

91 208.5 142.8 265.2

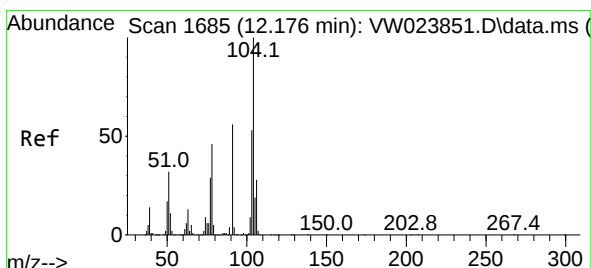
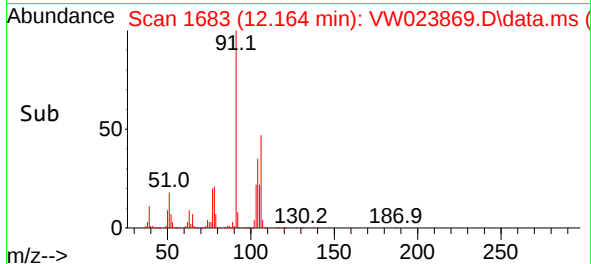
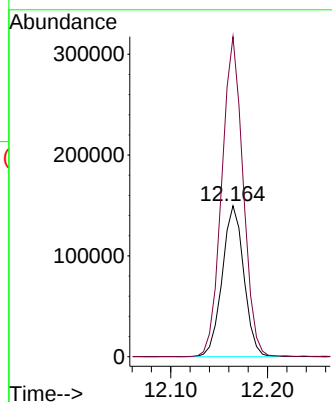
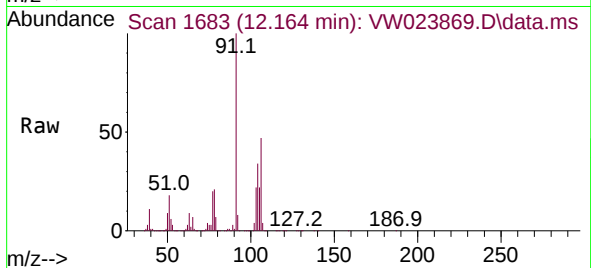




#54
o-Xylene
Concen: 21.853 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

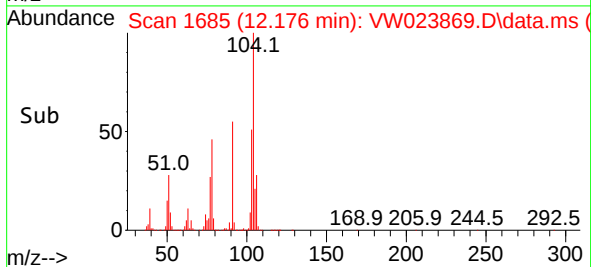
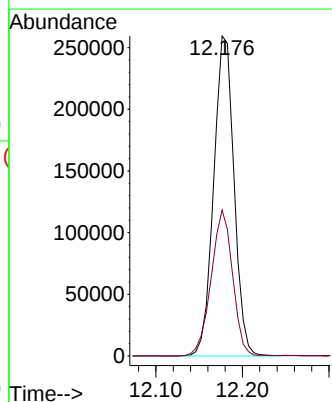
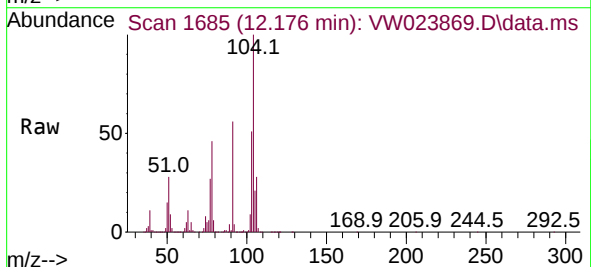
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

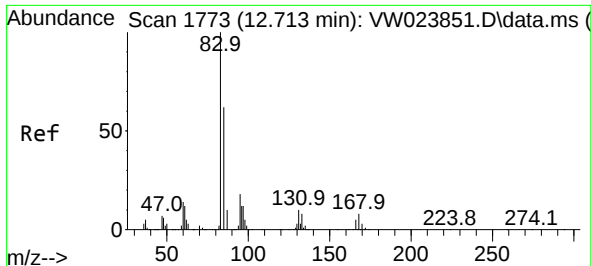
Tgt Ion:106 Resp: 232227
Ion Ratio Lower Upper
106 100
91 212.1 149.6 277.8



#55
Styrene
Concen: 22.581 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion:104 Resp: 423916
Ion Ratio Lower Upper
104 100
78 45.6 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 22.175 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

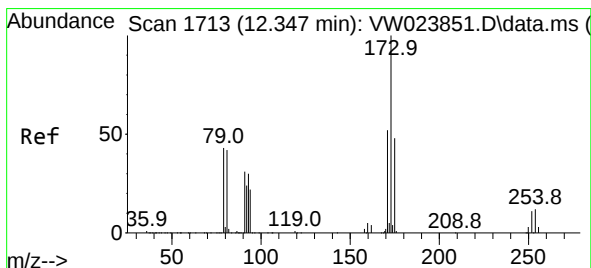
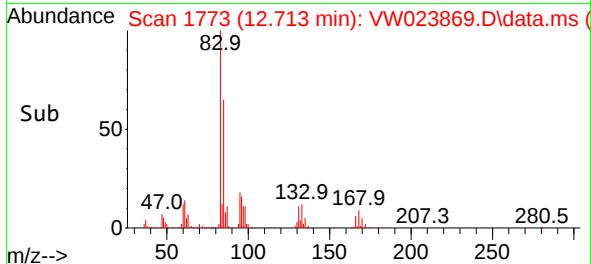
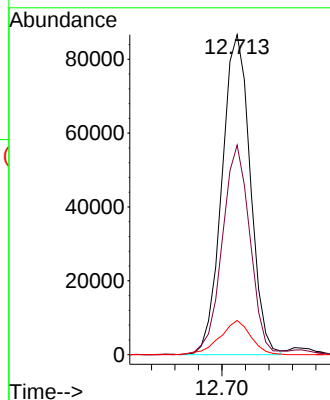
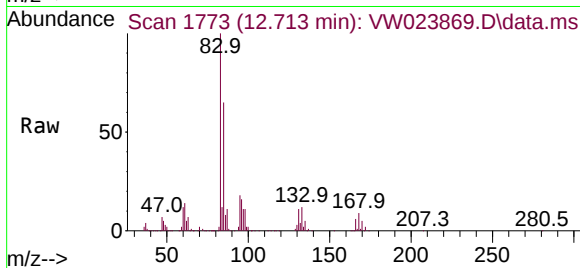
Tgt Ion: 83 Resp: 145101

Ion Ratio Lower Upper

83 100

85 65.5 46.5 86.3

131 10.7 7.4 11.0



#59

Bromoform

Concen: 25.045 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

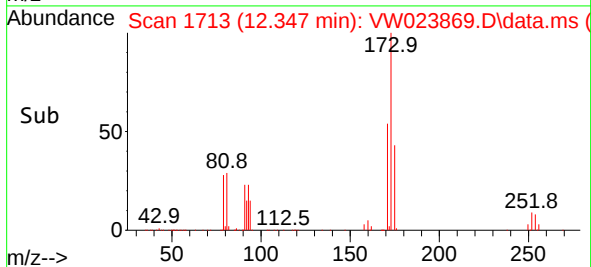
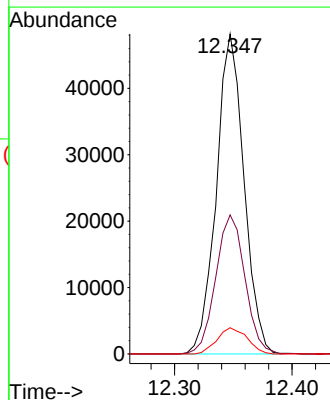
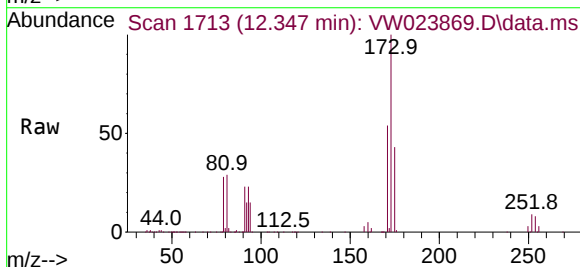
Tgt Ion:173 Resp: 78817

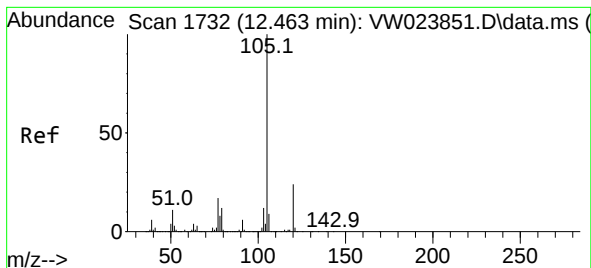
Ion Ratio Lower Upper

173 100

175 45.8 38.9 58.3

254 8.9 5.9 8.9#





#60

Isopropylbenzene

Concen: 21.691 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

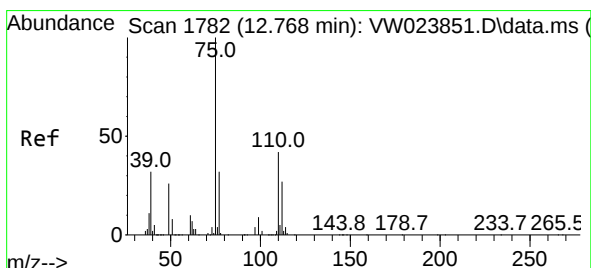
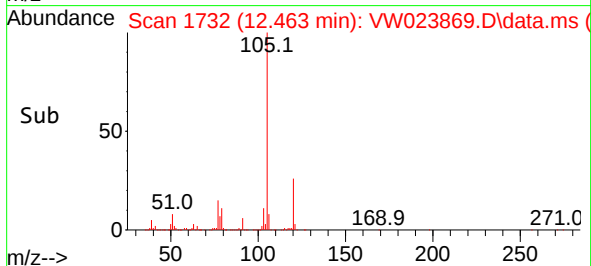
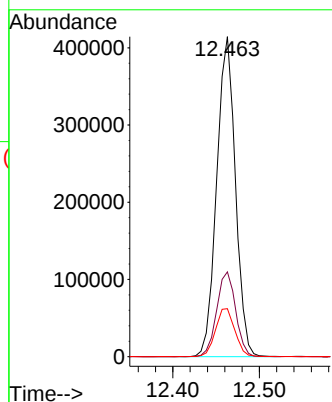
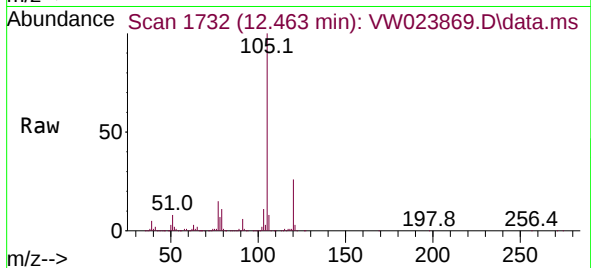
Tgt Ion:105 Resp: 621860

Ion Ratio Lower Upper

105 100

120 26.9 20.7 31.1

77 15.6 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 21.712 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

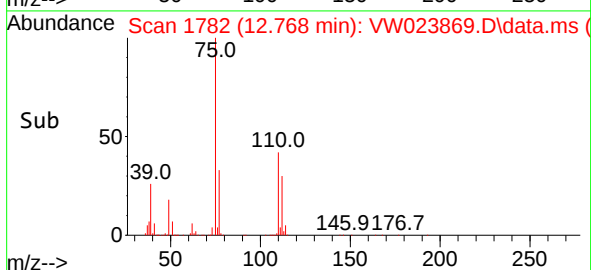
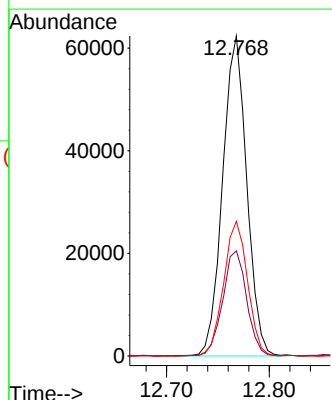
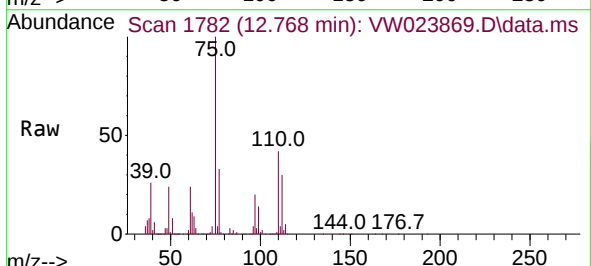
Tgt Ion: 75 Resp: 101606

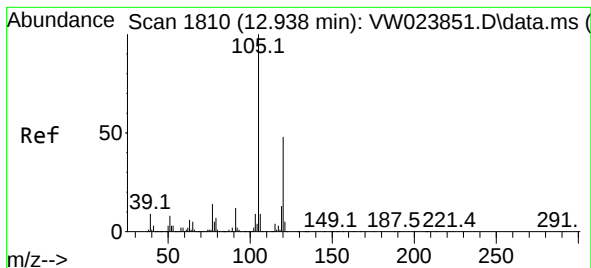
Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

110 41.9 31.9 47.9

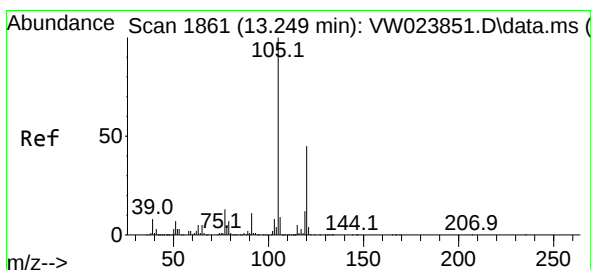
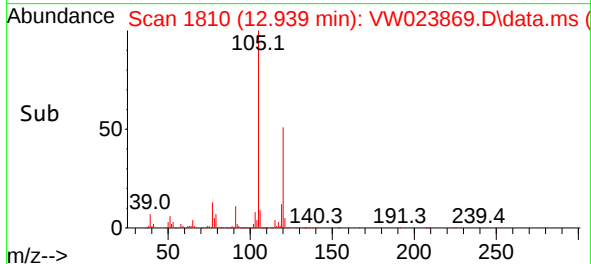
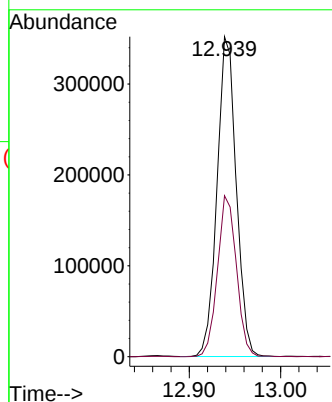
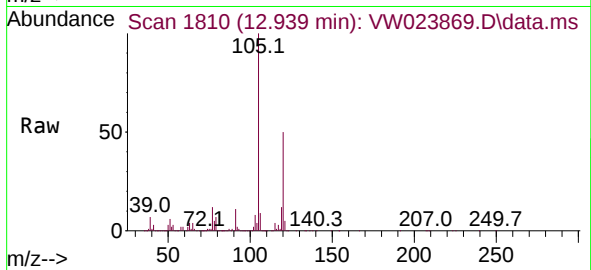




#62
 1,3,5-Trimethylbenzene
 Concen: 21.923 ug/L
 RT: 12.939 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: VW023869.D
 Acq: 19 Jul 2022 05:17

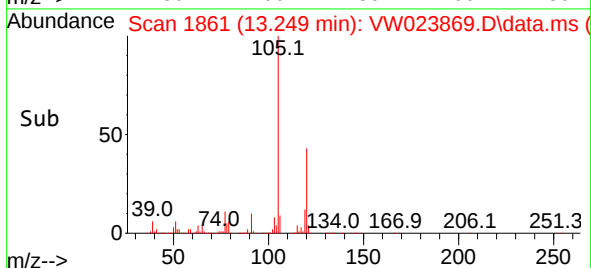
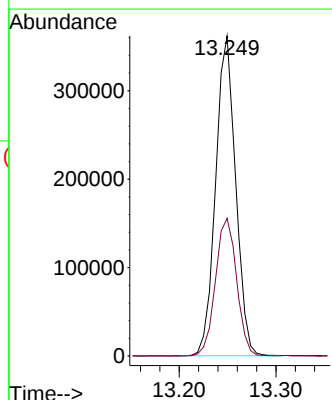
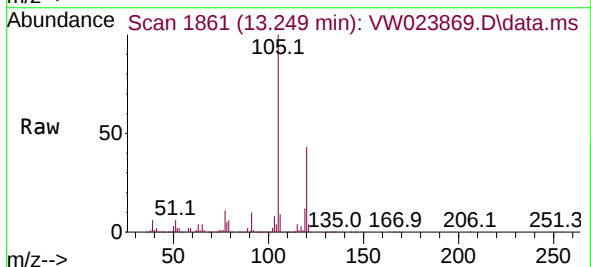
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025494

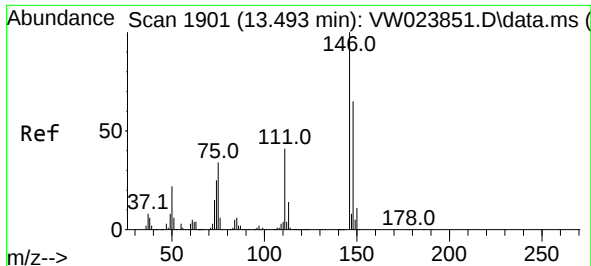
Tgt Ion:105 Resp: 514560
 Ion Ratio Lower Upper
 105 100
 120 49.6 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 22.165 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW023869.D
 Acq: 19 Jul 2022 05:17

Tgt Ion:105 Resp: 520131
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.5 53.3

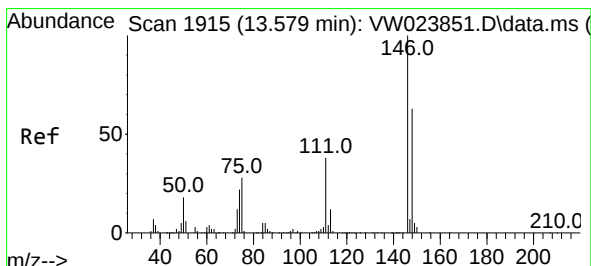
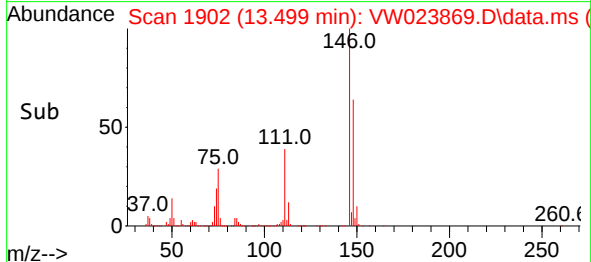
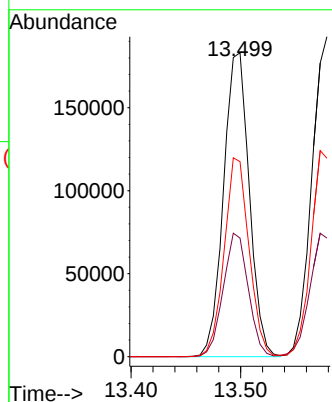
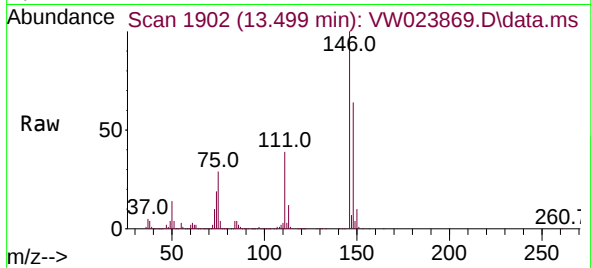




#64
1,3-Dichlorobenzene
Concen: 22.978 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

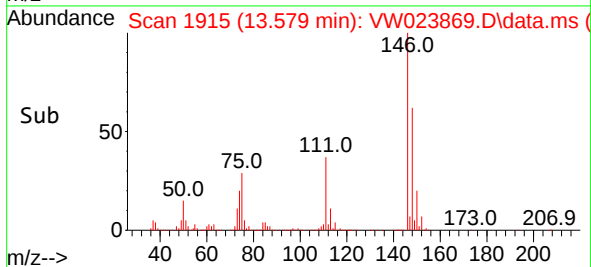
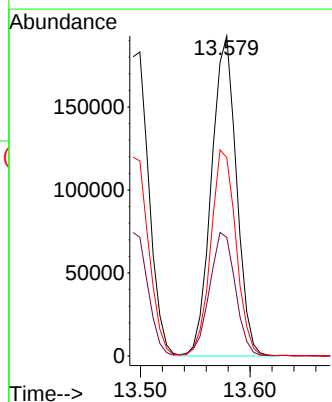
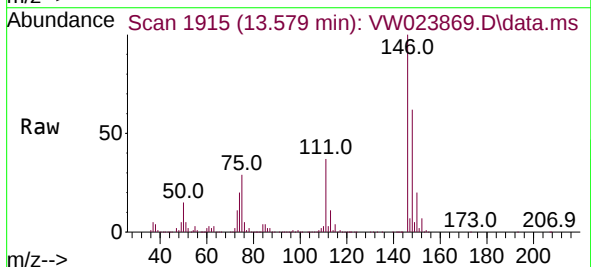
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

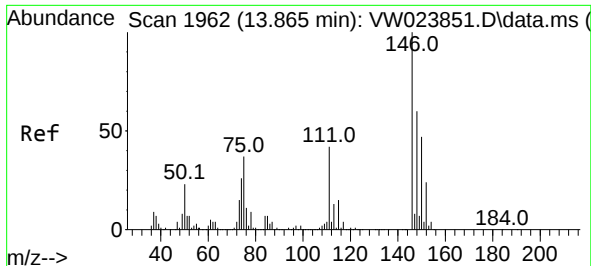
Tgt Ion:146 Resp: 299103
Ion Ratio Lower Upper
146 100
111 39.0 28.6 53.2
148 64.1 41.2 76.4



#65
1,4-Dichlorobenzene
Concen: 22.123 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW023869.D
Acq: 19 Jul 2022 05:17

Tgt Ion:146 Resp: 306367
Ion Ratio Lower Upper
146 100
111 37.0 29.4 54.6
148 62.0 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 23.148 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

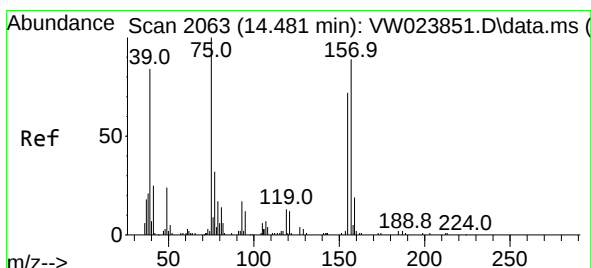
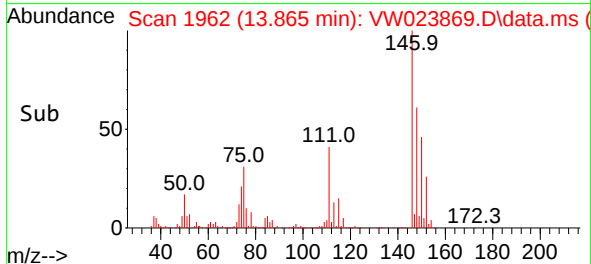
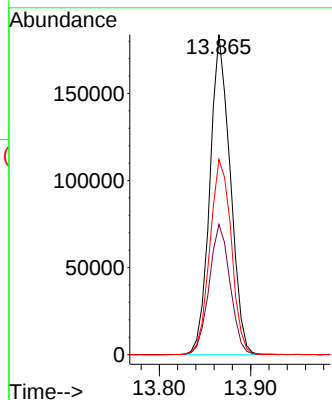
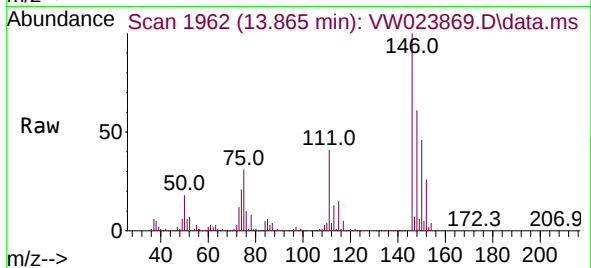
Tgt Ion:146 Resp: 284170

Ion Ratio Lower Upper

146 100

111 40.7 35.9 53.9

148 61.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 20.087 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

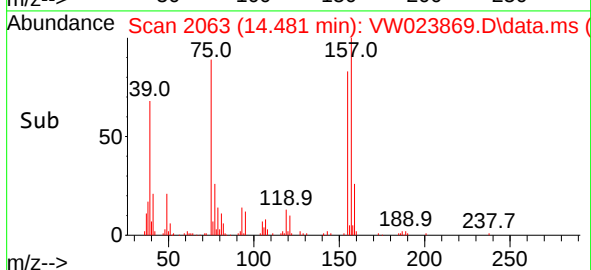
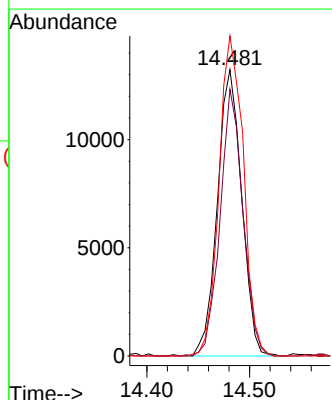
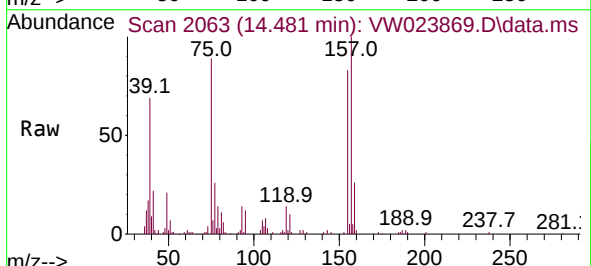
Tgt Ion: 75 Resp: 21681

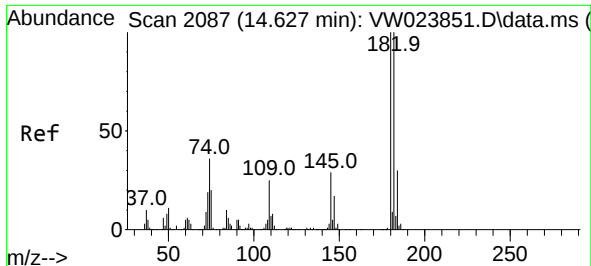
Ion Ratio Lower Upper

75 100

155 93.2 51.7 77.5#

157 111.8 63.5 95.3#





#69

1,3,5-Trichlorobenzene

Concen: 21.757 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion:180 Resp: 187451

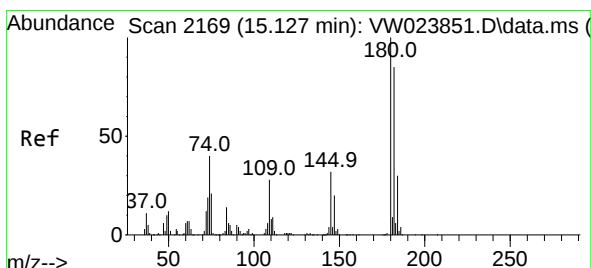
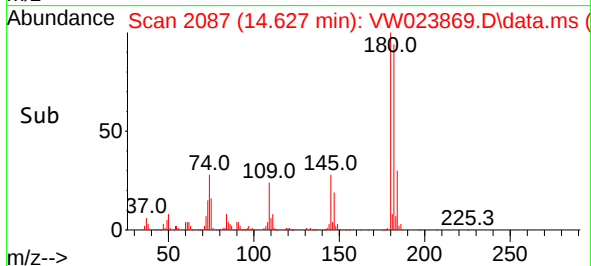
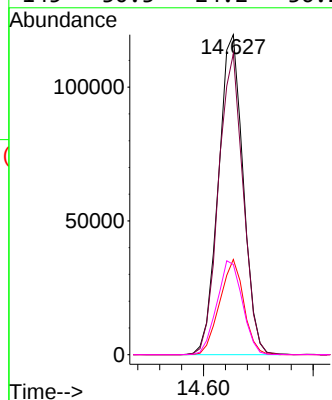
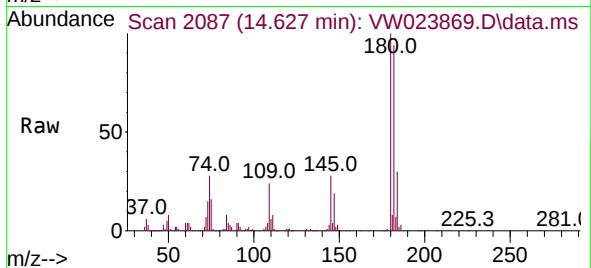
Ion Ratio Lower Upper

180 100

182 93.6 70.2 105.2

184 28.9 22.6 34.0

145 30.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 21.933 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

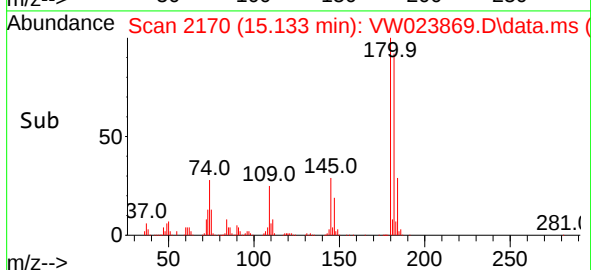
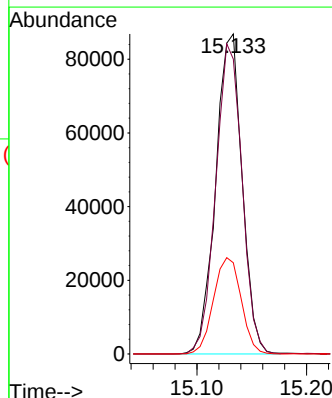
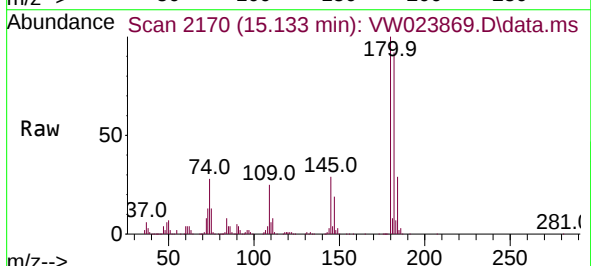
Tgt Ion:180 Resp: 145916

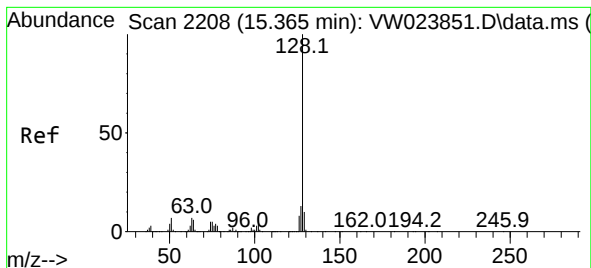
Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

145 31.4 26.3 39.5





#71

Naphthalene

Concen: 22.777 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

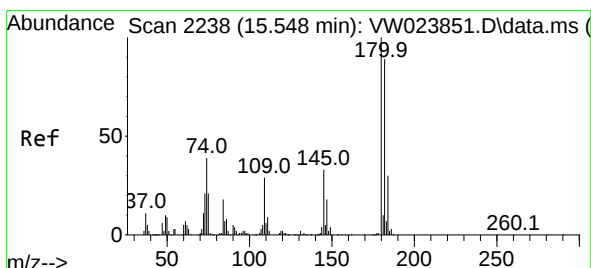
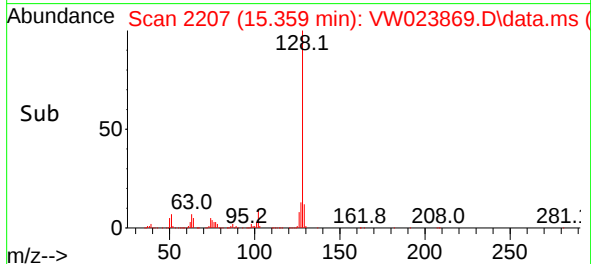
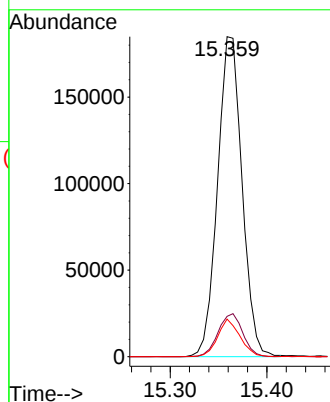
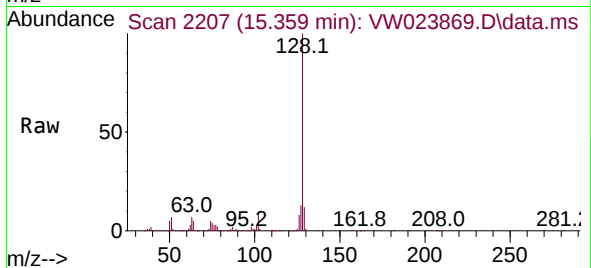
Tgt Ion:128 Resp: 325047

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 10.7 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 21.954 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023869.D

Acq: 19 Jul 2022 05:17

Tgt Ion:180 Resp: 136137

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 33.2 27.8 41.6

