

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111422\
 Data File : VW025048.D
 Acq On : 14 Nov 2022 14:16
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025496

Quant Time: Nov 14 23:45:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 14 23:45:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	274011	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	254573	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	132164	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	55925	18.184	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.720%
7) Chloroethane-d5	2.892	69	40676	22.577	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.320%
11) 1,1-Dichloroethene-d2	4.026	63	164290	21.444	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.760%
21) 2-Butanone-d5	7.074	46	45689	44.016	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.040%
24) Chloroform-d	7.653	84	213304	25.651	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	8.305	65	115834	24.884	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.520%
32) Benzene-d6	8.275	84	393378	24.108	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.440%
36) 1,2-Dichloropropane-d6	9.275	67	112812	23.596	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.400%
41) Toluene-d8	10.323	98	364398	23.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.960%
43) trans-1,3-Dichloroprop...	10.579	79	49409	23.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.240%
47) 2-Hexanone-d5	10.927	63	37371	45.250	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.500%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	88196	23.103	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	13.853	152	123388	24.294	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	17450	19.093	ug/L	98
3) Chloromethane	2.221	50	44804	20.382	ug/L	99
5) Vinyl chloride	2.367	62	65049	21.417	ug/L	94
6) Bromomethane	2.782	94	32850	21.673	ug/L	93
8) Chloroethane	2.928	64	29395	23.201	ug/L	97
9) Trichlorofluoromethane	3.263	101	55459	21.766	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	86159	23.879	ug/L	100
12) 1,1-Dichloroethene	4.044	96	79969	23.527	ug/L	96
13) Acetone	4.123	43	26793	36.334	ug/L	97
14) Carbon disulfide	4.391	76	214265	21.580	ug/L	99
15) Methyl Acetate	4.678	43	27936	19.028	ug/L	97
16) Methylene chloride	4.922	84	95139	19.555	ug/L	96
17) trans-1,2-Dichloroethene	5.428	96	84903	23.327	ug/L	99
18) Methyl tert-butyl Ether	5.434	73	142457	23.333	ug/L	98
19) 1,1-Dichloroethane	6.220	63	162583	24.128	ug/L	100
20) cis-1,2-Dichloroethene	7.171	96	97259	24.517	ug/L	98
22) 2-Butanone	7.171	43	39959	36.168	ug/L	98
23) Bromochloromethane	7.513	128	40436	23.513	ug/L	98
25) Chloroform	7.677	83	181484	25.519	ug/L	95

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

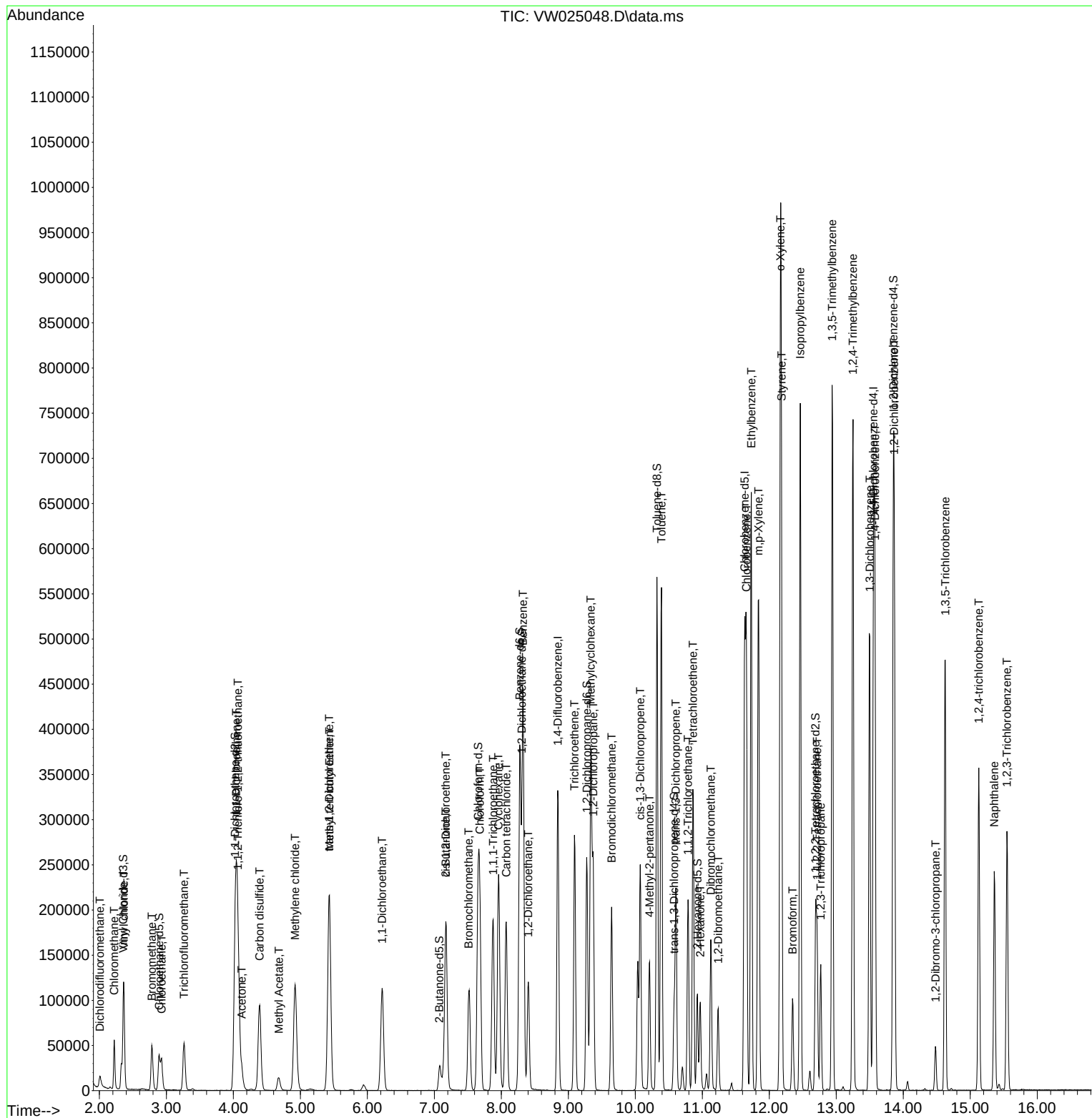
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	116759	24.205	ug/L	100
29) Cyclohexane	7.958	56	132751	22.084	ug/L	97
30) 1,1,1-Trichloroethane	7.878	97	156837	25.175	ug/L	99
31) Carbon tetrachloride	8.074	117	143956	25.860	ug/L	98
33) Benzene	8.324	78	366320	23.895	ug/L	100
34) Trichloroethene	9.092	95	97015	23.906	ug/L	98
35) Methylcyclohexane	9.336	83	160227	23.236	ug/L	98
37) 1,2-Dichloropropane	9.372	63	87063	23.399	ug/L	98
38) Bromodichloromethane	9.646	83	130109	25.055	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	141778	24.103	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	88140	40.367	ug/L	98
42) Toluene	10.390	91	400057	24.581	ug/L	96
44) trans-1,3-Dichloropropene	10.604	75	124746	23.855	ug/L	100
45) 1,1,2-Trichloroethane	10.787	97	65781	23.415	ug/L	97
46) Tetrachloroethene	10.860	164	68695	23.669	ug/L	94
48) 2-Hexanone	10.969	43	59158	39.176	ug/L	98
49) Dibromochloromethane	11.128	129	83966	24.519	ug/L	92
50) 1,2-Dibromoethane	11.238	107	59969	22.570	ug/L	98
51) Chlorobenzene	11.658	112	254809	24.153	ug/L	96
52) Ethylbenzene	11.731	91	460516	24.513	ug/L	98
53) m,p-Xylene	11.841	106	176559	24.279	ug/L	99
54) o-Xylene	12.164	106	167960	24.482	ug/L	97
55) Styrene	12.183	104	294326	24.700	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	74734	22.175	ug/L	98
59) Bromoform	12.347	173	45751	24.475	ug/L #	98
60) Isopropylbenzene	12.463	105	475889	23.950	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	56238	21.180	ug/L	99
62) 1,3,5-Trimethylbenzene	12.939	105	416732	24.160	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	408774	24.168	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	201832	24.354	ug/L	94
65) 1,4-Dichlorobenzene	13.579	146	200024	24.189	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	180919	24.280	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	13492	21.988	ug/L	94
69) 1,3,5-Trichlorobenzene	14.627	180	138650	25.259	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	101291	23.742	ug/L	95
71) Naphthalene	15.359	128	203035	22.560	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	90429	24.326	ug/L	99

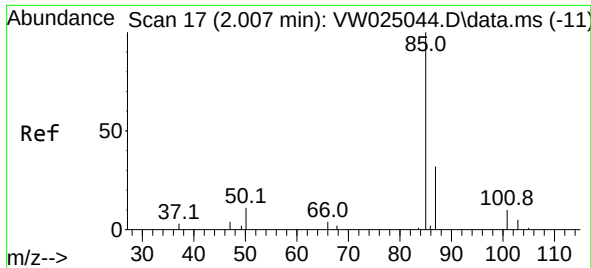
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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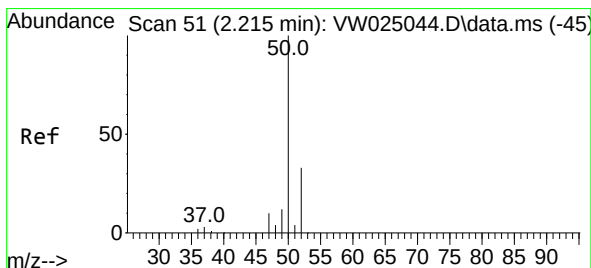
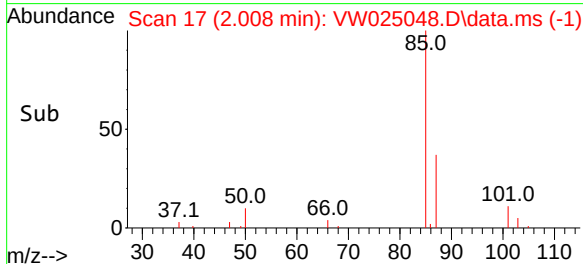
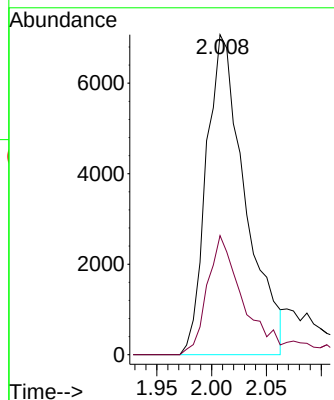
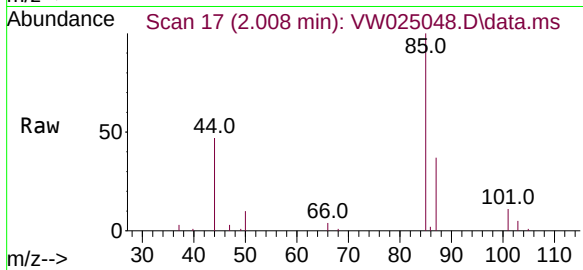




#2
 Dichlorodifluoromethane
 Concen: 19.093 ug/L
 RT: 2.008 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

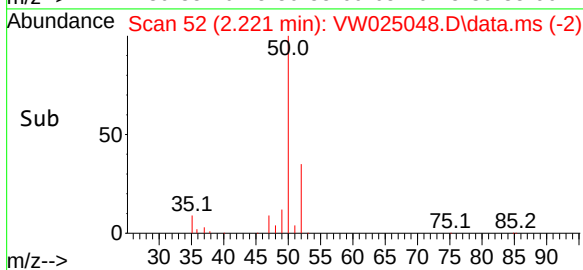
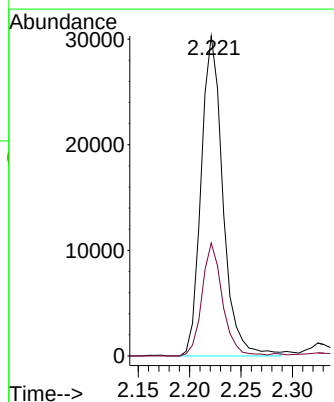
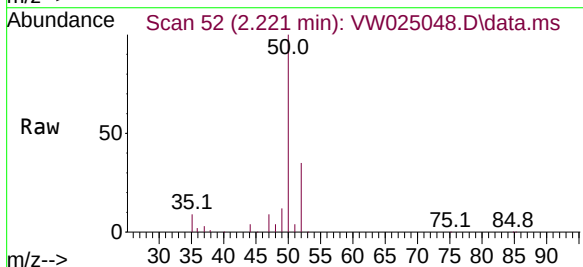
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025496

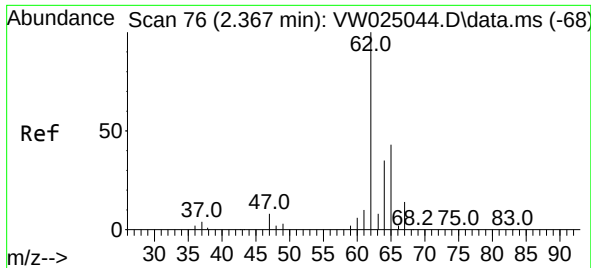
Tgt Ion: 85 Resp: 17450
 Ion Ratio Lower Upper
 85 100
 87 33.8 25.9 38.9



#3
 Chloromethane
 Concen: 20.382 ug/L
 RT: 2.221 min Scan# 52
 Delta R.T. 0.006 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

Tgt Ion: 50 Resp: 44804
 Ion Ratio Lower Upper
 50 100
 52 35.3 24.1 44.8

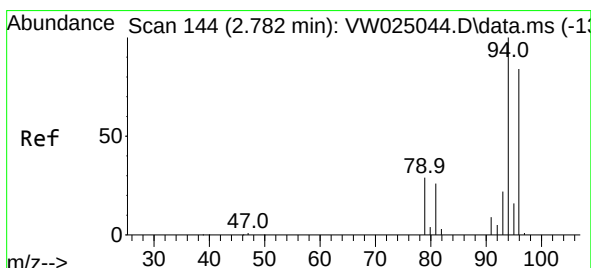
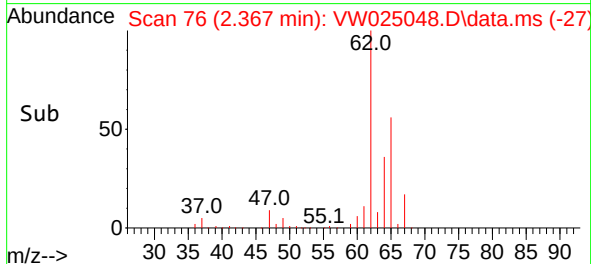
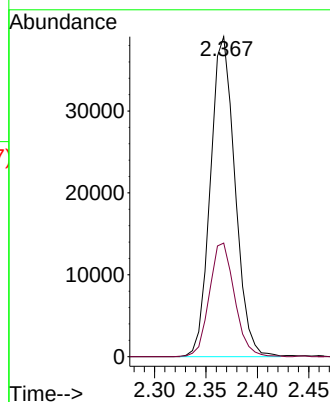
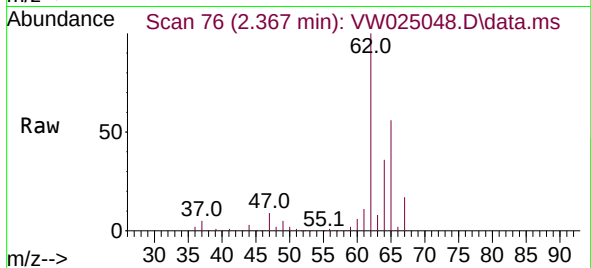




#5
 Vinyl chloride
 Concen: 21.417 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

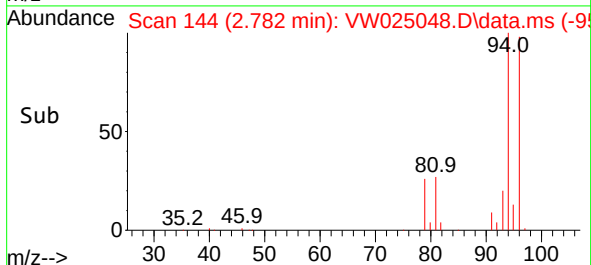
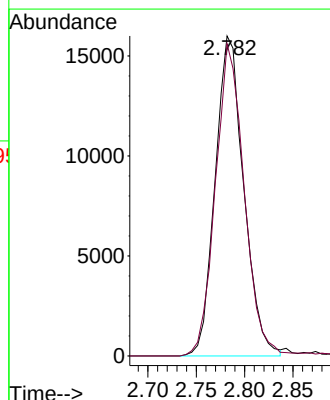
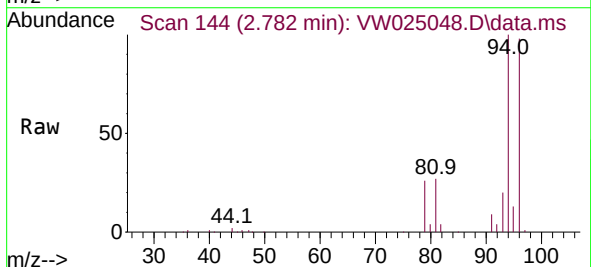
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025496

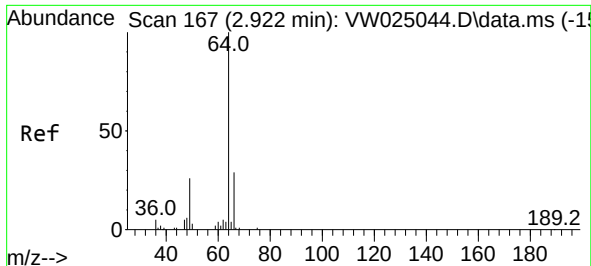
Tgt Ion: 62 Resp: 65049
 Ion Ratio Lower Upper
 62 100
 64 35.5 27.2 50.6



#6
 Bromomethane
 Concen: 21.673 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.000 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

Tgt Ion: 94 Resp: 32850
 Ion Ratio Lower Upper
 94 100
 96 97.6 63.8 118.6

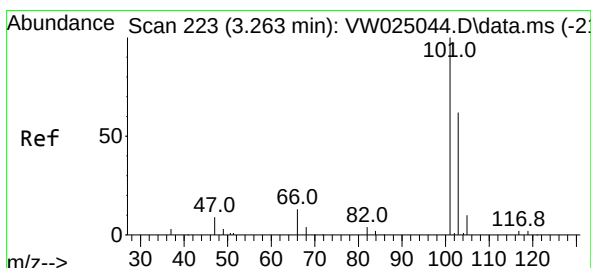
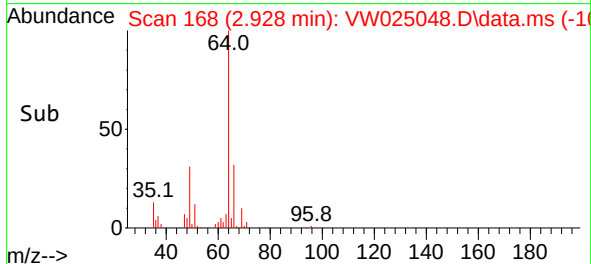
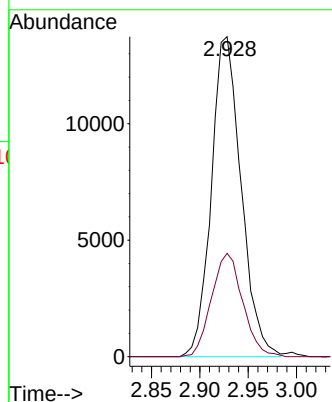
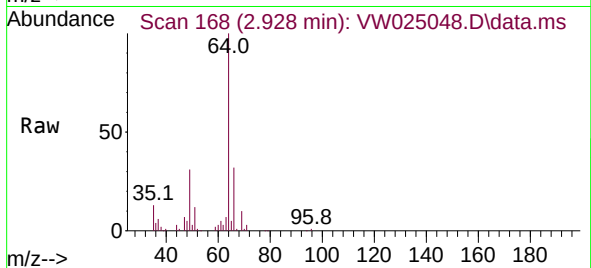




#8
Chloroethane
Concen: 23.201 ug/L
RT: 2.928 min Scan# 167
Delta R.T. 0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

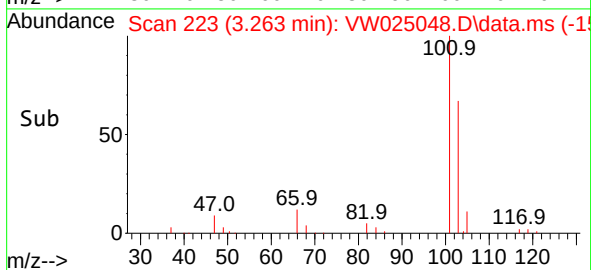
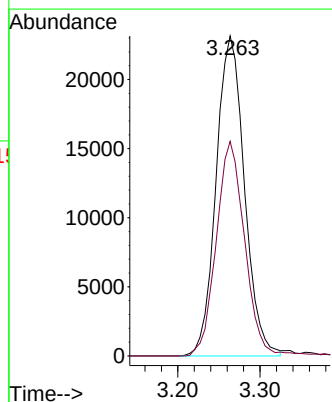
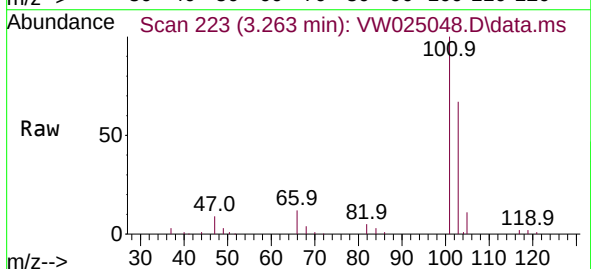
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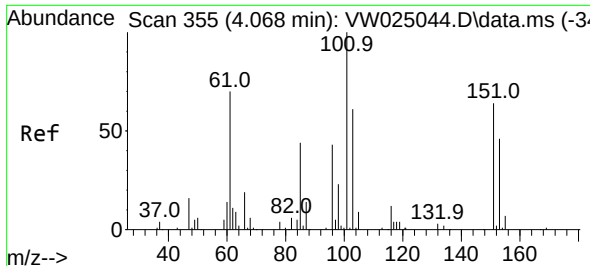
Tgt Ion: 64 Resp: 29395
Ion Ratio Lower Upper
64 100
66 32.3 21.6 40.2



#9
Trichlorofluoromethane
Concen: 21.766 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion:101 Resp: 55459
Ion Ratio Lower Upper
101 100
103 66.4 51.4 77.0

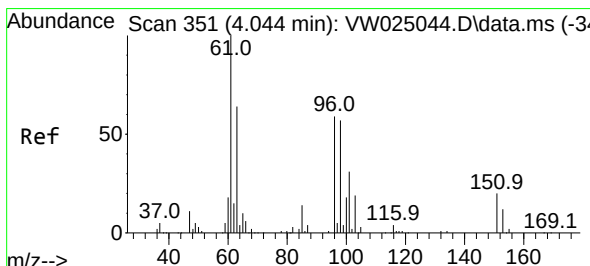
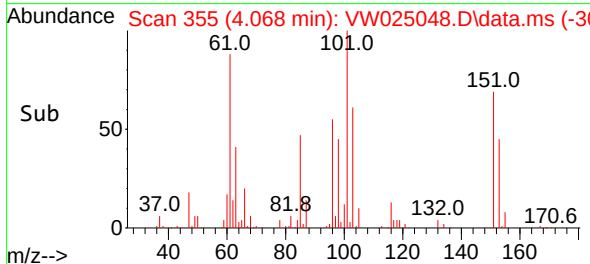
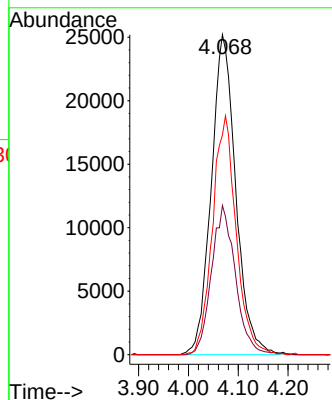
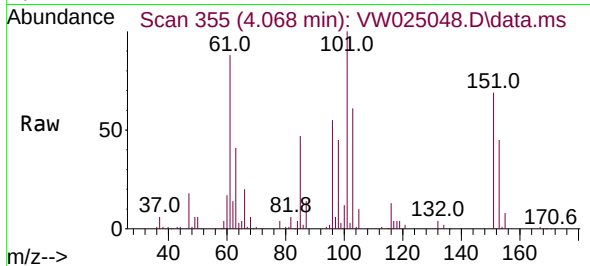




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.879 ug/L
 RT: 4.068 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

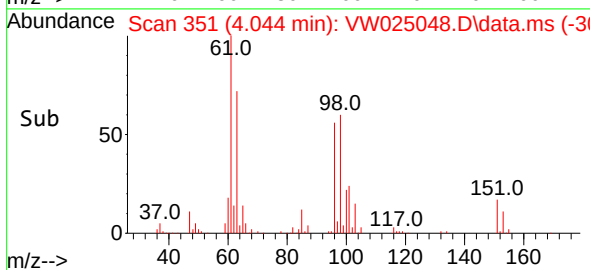
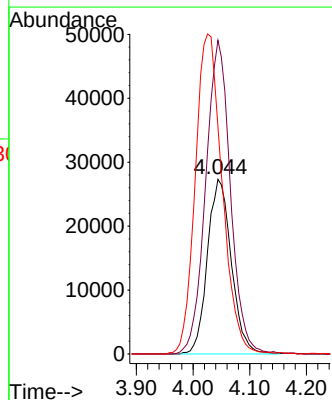
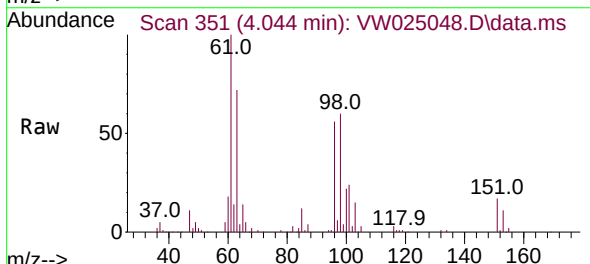
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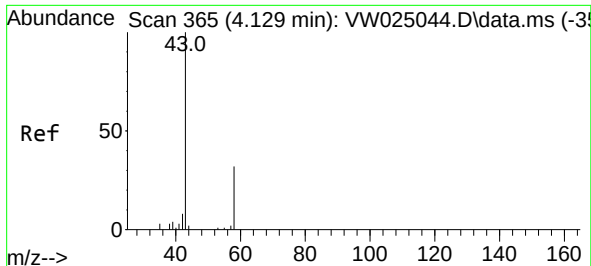
Tgt Ion:101 Resp: 86159
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.5 54.7
 151 72.0 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 23.527 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW025048.D
 Acq: 14 Nov 2022 14:16

Tgt Ion: 96 Resp: 79969
 Ion Ratio Lower Upper
 96 100
 61 179.6 126.2 234.4
 63 130.2 98.3 182.7





#13

Acetone

Concen: 36.334 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

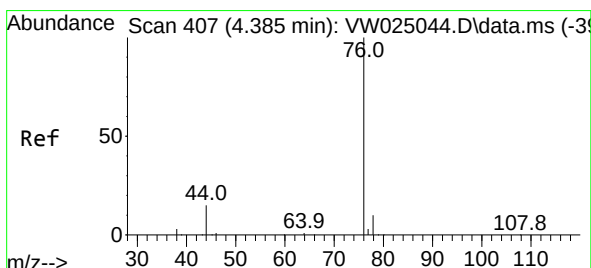
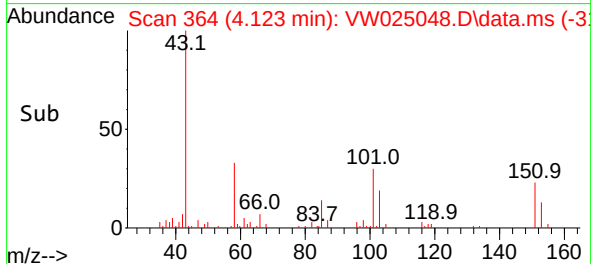
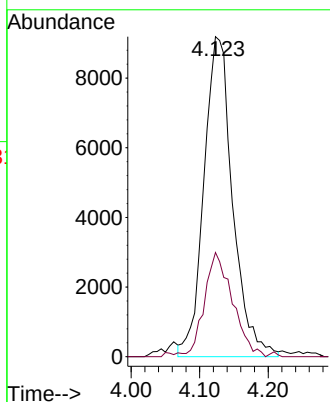
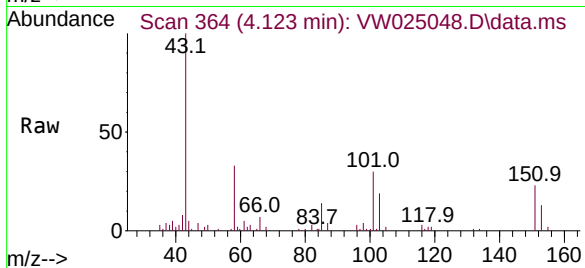
VSTD025496

Tgt Ion: 43 Resp: 26793

Ion Ratio Lower Upper

43 100

58 31.1 0.0 65.4



#14

Carbon disulfide

Concen: 21.580 ug/L

RT: 4.391 min Scan# 408

Delta R.T. 0.006 min

Lab File: VW025048.D

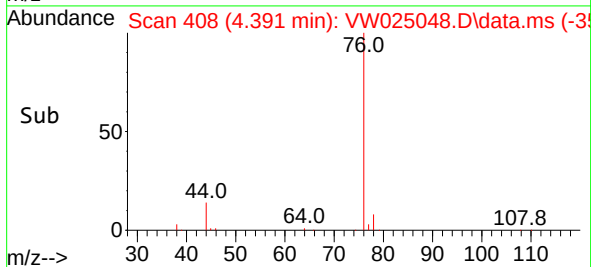
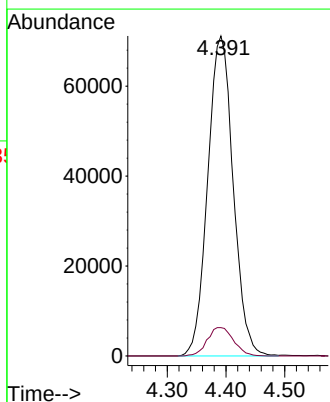
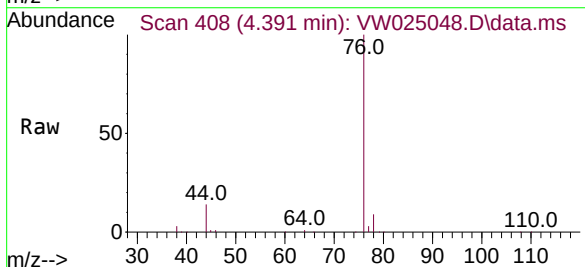
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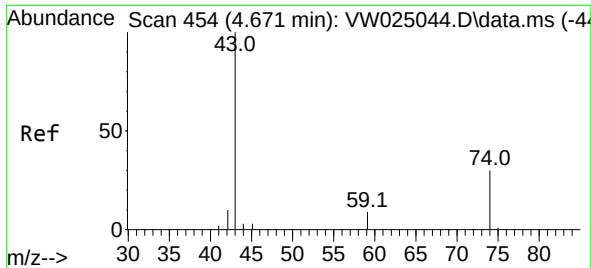
Tgt Ion: 76 Resp: 214265

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

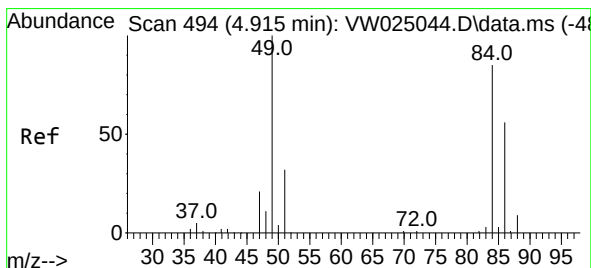
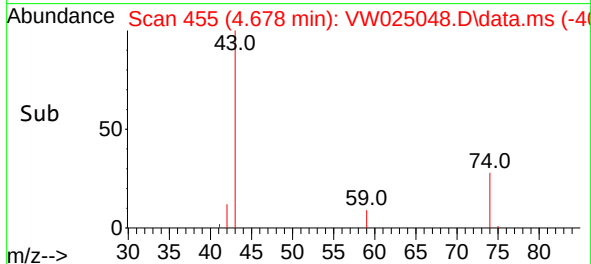
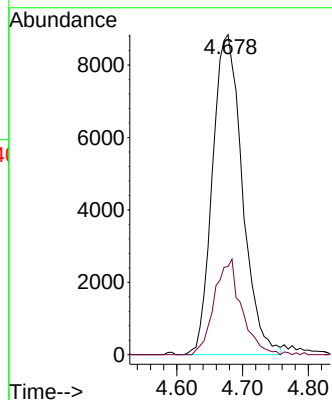
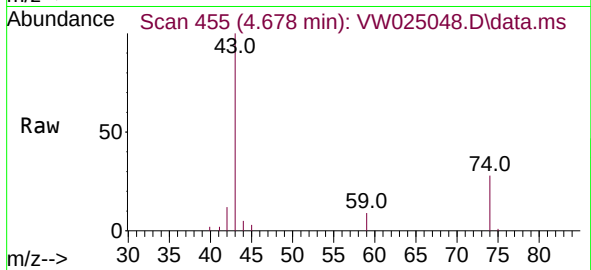




#15
Methyl Acetate
Concen: 19.028 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

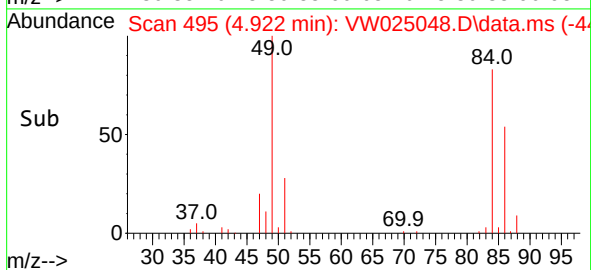
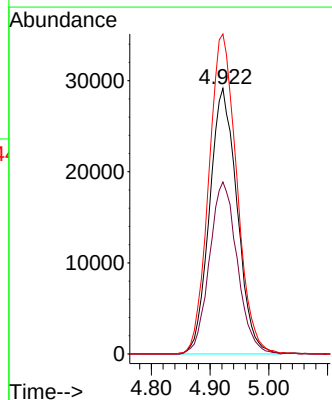
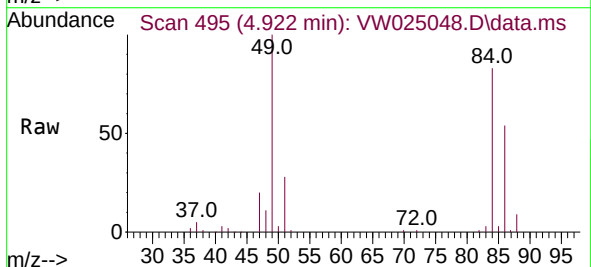
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

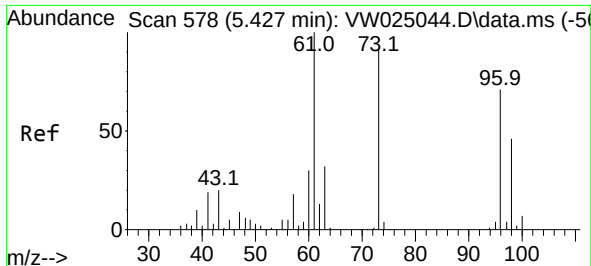
Tgt Ion: 43 Resp: 27936
Ion Ratio Lower Upper
43 100
74 27.1 20.6 30.8



#16
Methylene chloride
Concen: 19.555 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 84 Resp: 95139
Ion Ratio Lower Upper
84 100
86 64.8 42.6 79.0
49 120.5 81.9 152.1

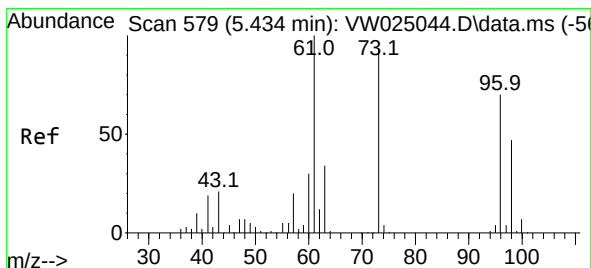
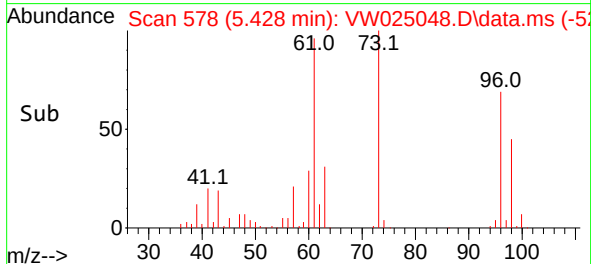
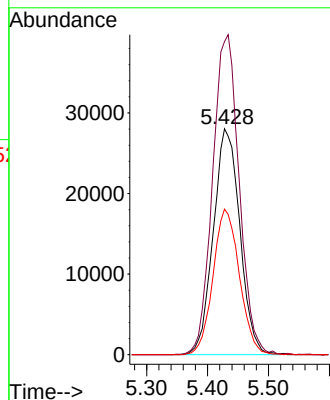
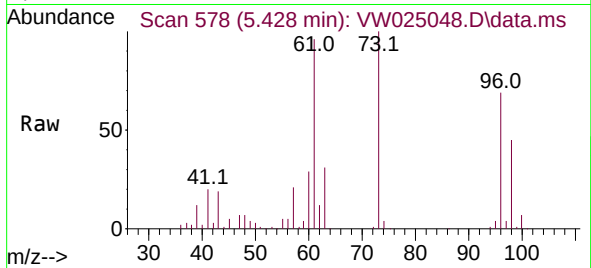




#17
trans-1,2-Dichloroethene
Concen: 23.327 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

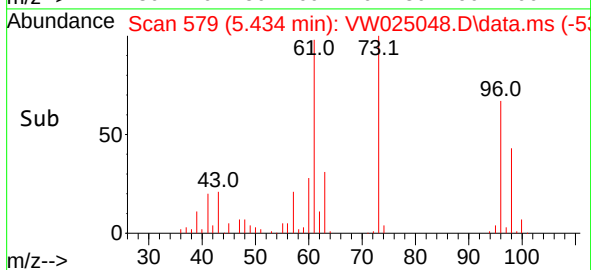
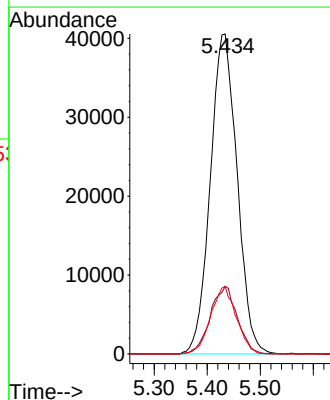
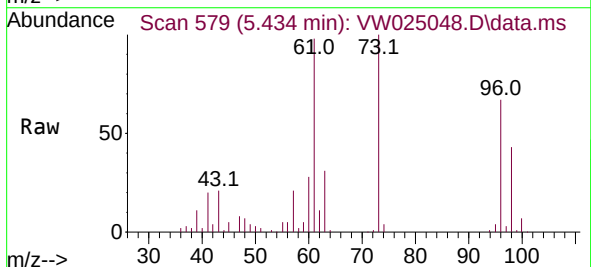
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

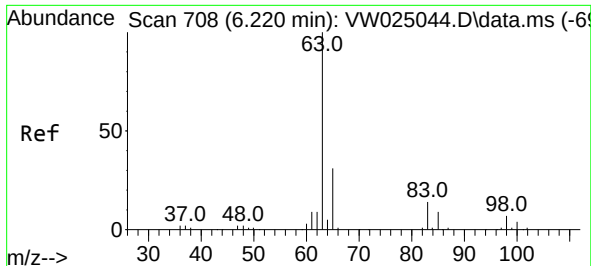
Tgt Ion: 96 Resp: 84903
Ion Ratio Lower Upper
96 100
61 138.6 97.6 181.2
98 64.4 46.8 86.8



#18
Methyl tert-butyl Ether
Concen: 23.333 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 73 Resp: 142457
Ion Ratio Lower Upper
73 100
43 21.2 16.6 24.8
57 20.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 24.128 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

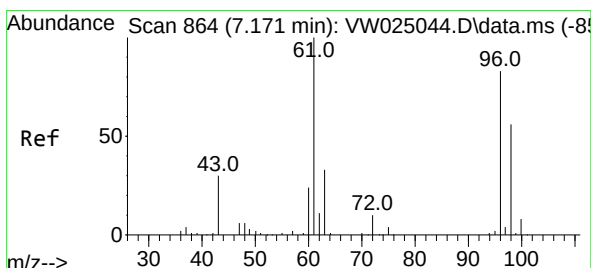
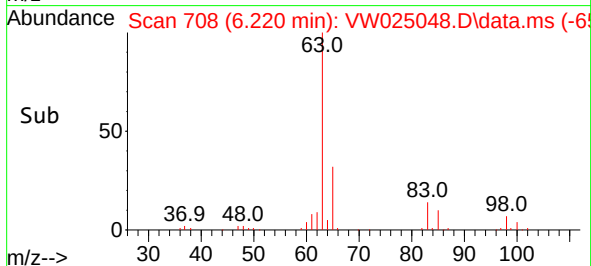
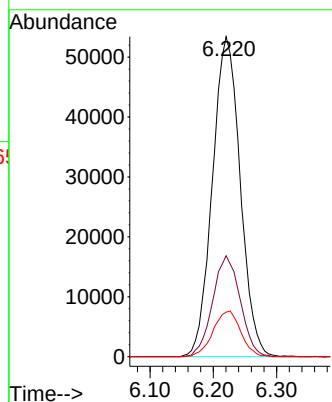
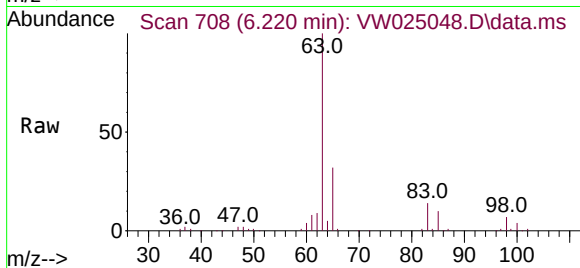
Tgt Ion: 63 Resp: 162583

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 13.9 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 24.517 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

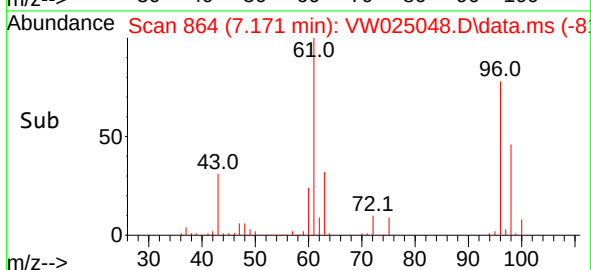
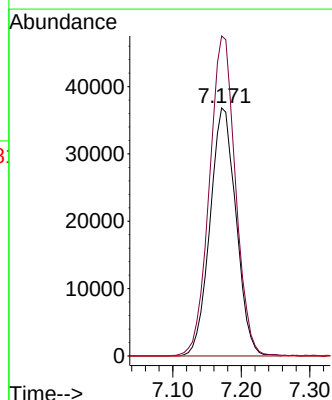
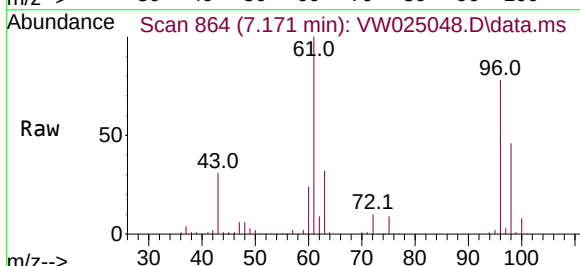
Tgt Ion: 96 Resp: 97259

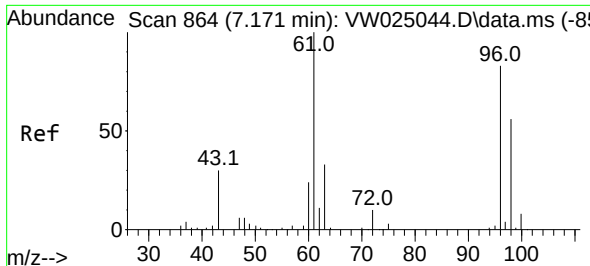
Ion Ratio Lower Upper

96 100

61 129.0 91.8 170.6

68 0.0 0.0 0.0

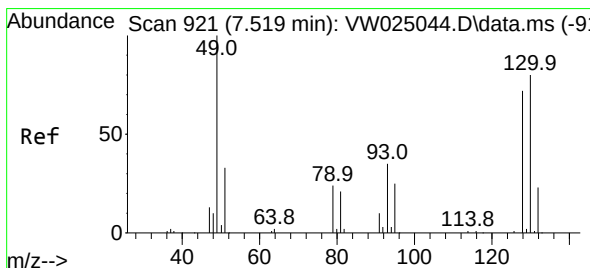
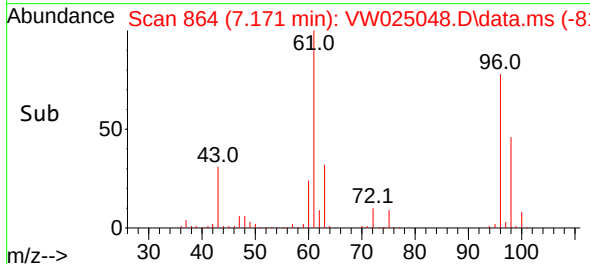
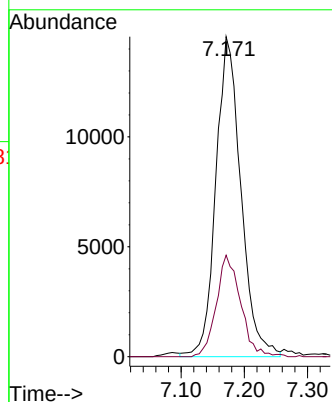
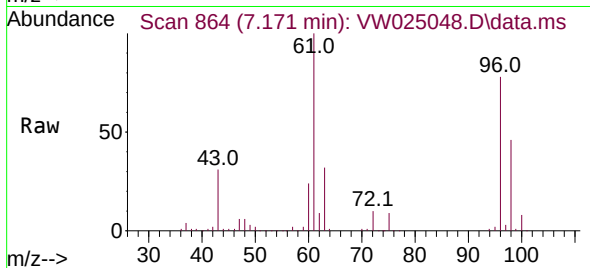




#22
2-Butanone
Concen: 36.168 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

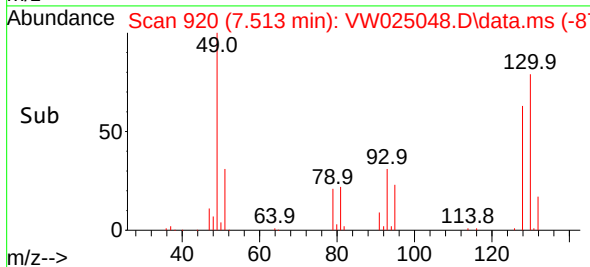
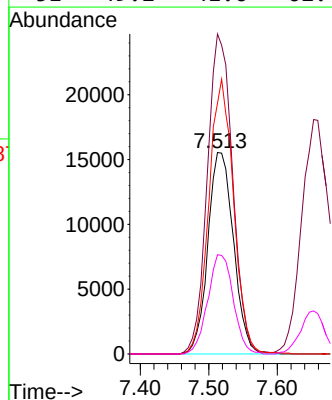
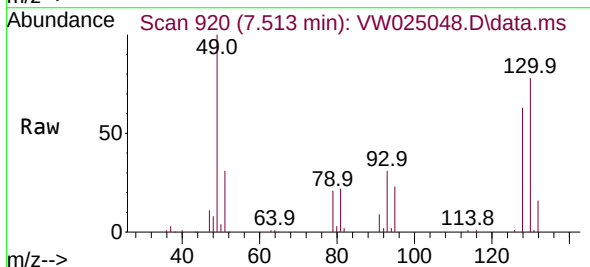
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

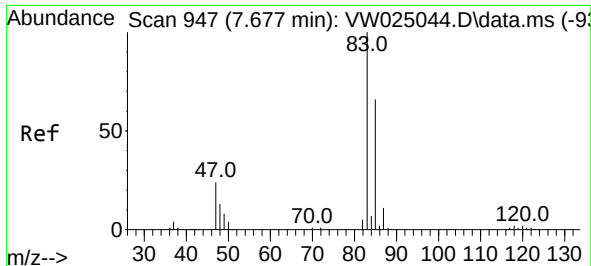
Tgt Ion: 43 Resp: 39959
Ion Ratio Lower Upper
43 100
72 30.5 14.6 44.0



#23
Bromochloromethane
Concen: 23.513 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 128 Resp: 40436
Ion Ratio Lower Upper
128 100
49 158.8 112.8 209.4
130 124.3 86.2 160.2
51 49.2 41.6 62.4

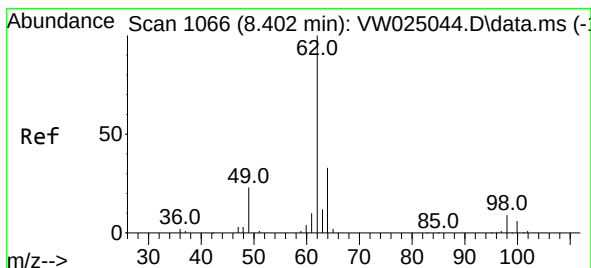
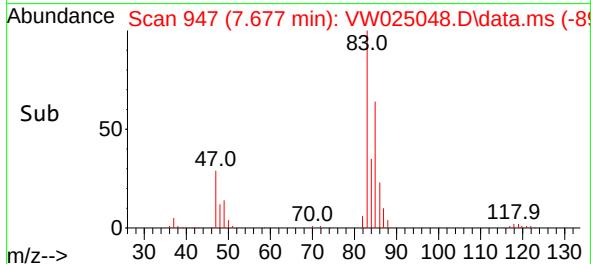
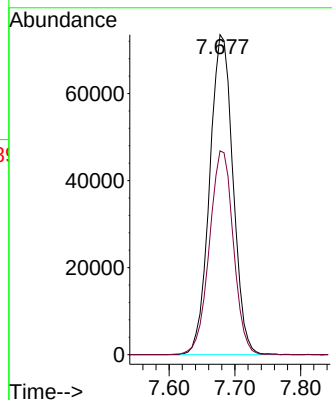
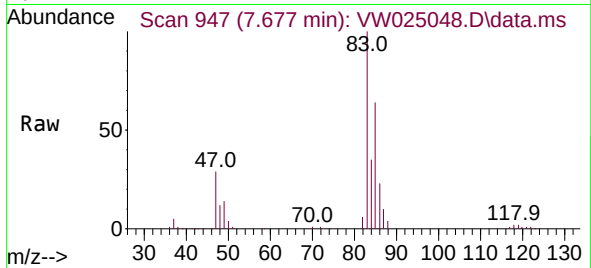




#25
Chloroform
Concen: 25.519 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

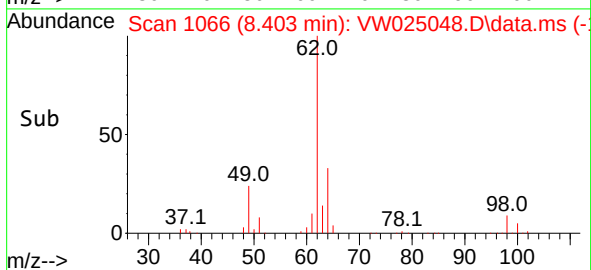
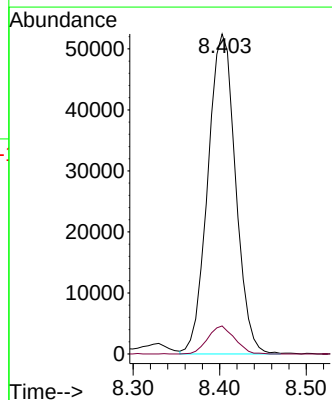
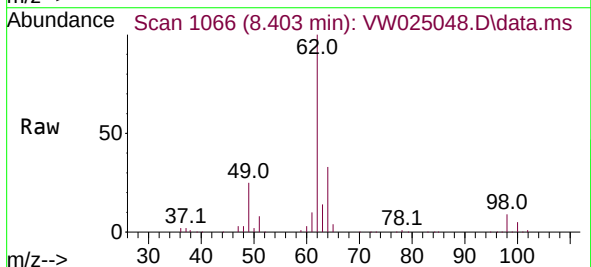
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

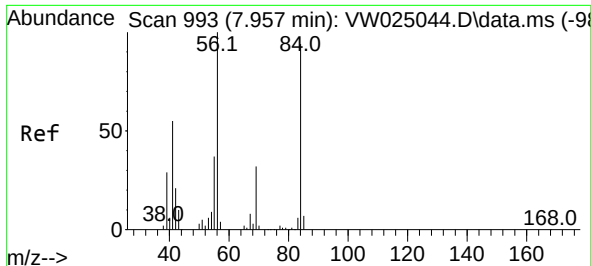
Tgt Ion: 83 Resp: 181484
Ion Ratio Lower Upper
83 100
85 63.7 47.5 88.3



#27
1,2-Dichloroethane
Concen: 24.205 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 62 Resp: 116759
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4





#29

Cyclohexane

Concen: 22.084 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

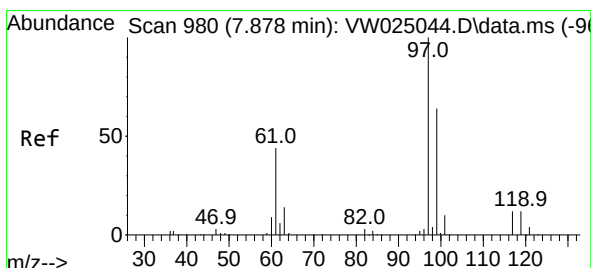
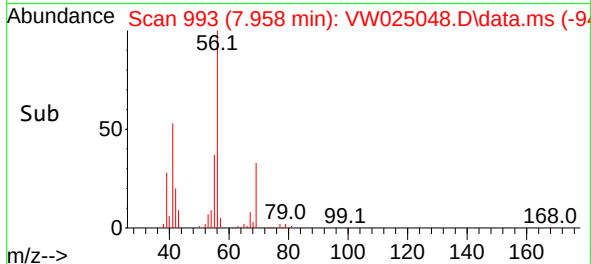
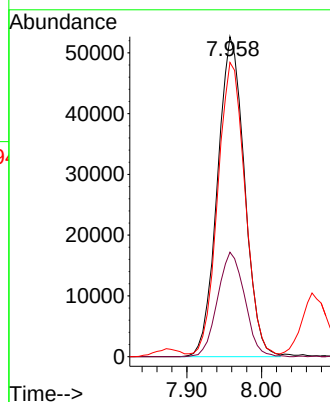
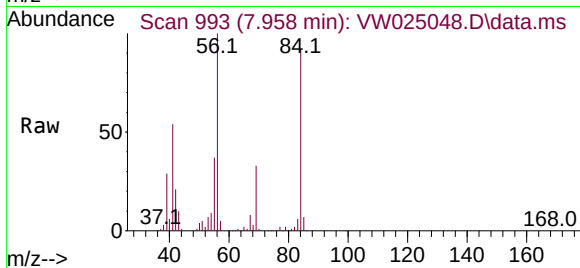
Tgt Ion: 56 Resp: 132751

Ion Ratio Lower Upper

56 100

69 32.5 25.0 37.4

84 93.3 72.6 108.8



#30

1,1,1-Trichloroethane

Concen: 25.175 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

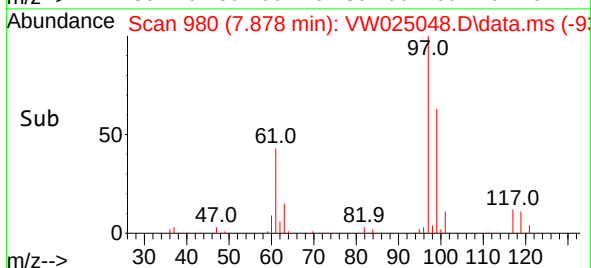
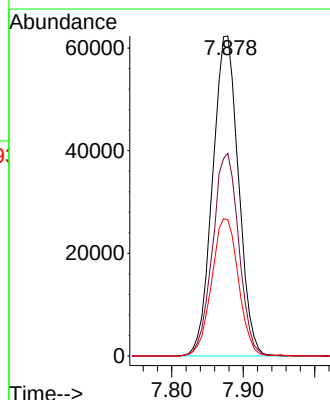
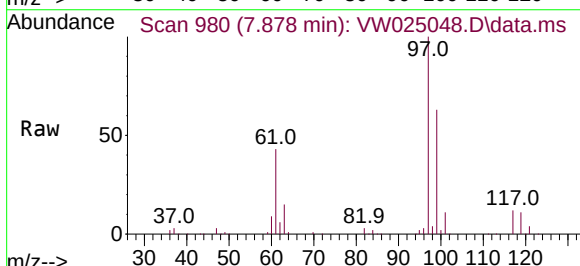
Tgt Ion: 97 Resp: 156837

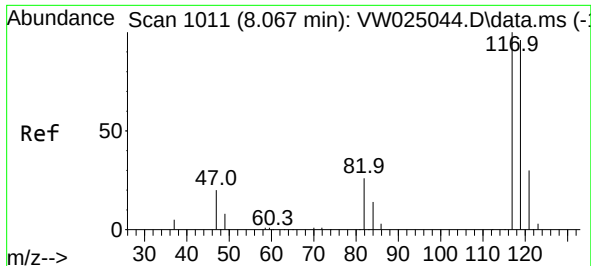
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

61 44.3 36.6 54.8

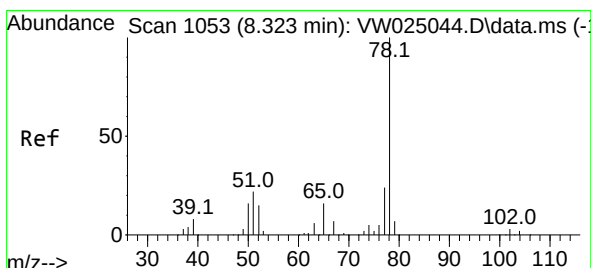
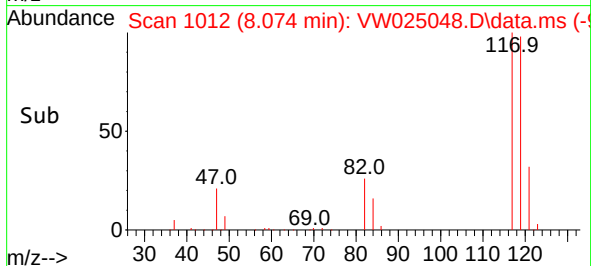
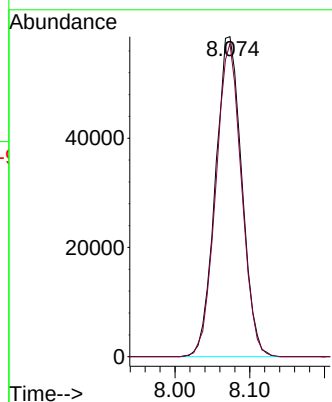
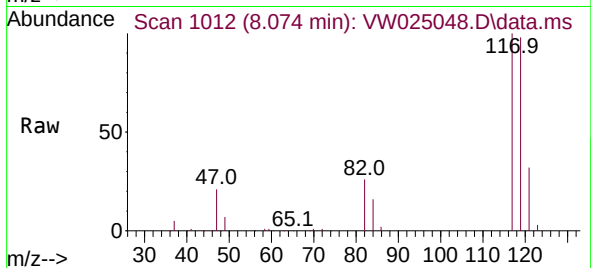




#31
Carbon tetrachloride
Concen: 25.860 ug/L
RT: 8.074 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

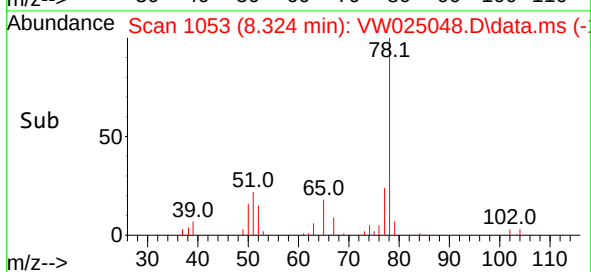
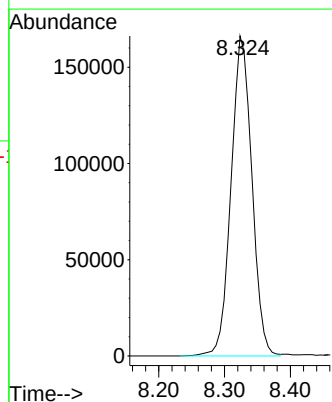
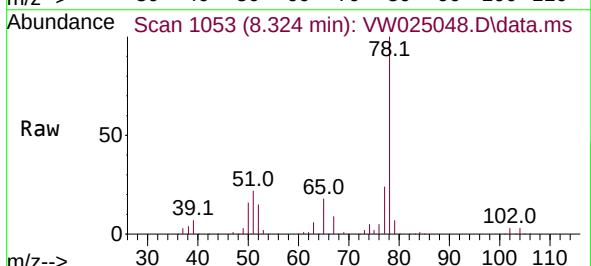
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

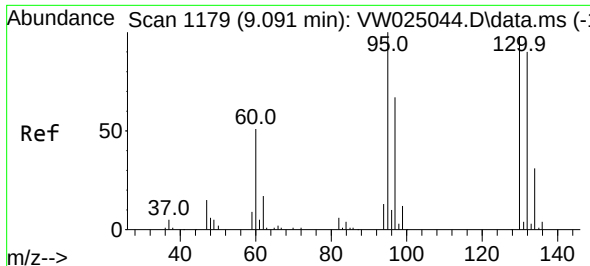
Tgt Ion:117 Resp: 143956
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5



#33
Benzene
Concen: 23.895 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 78 Resp: 366320



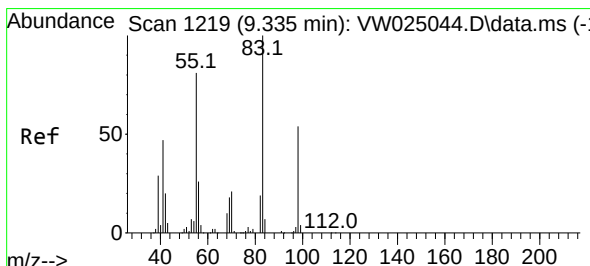
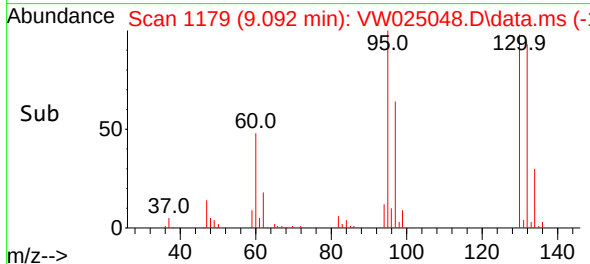
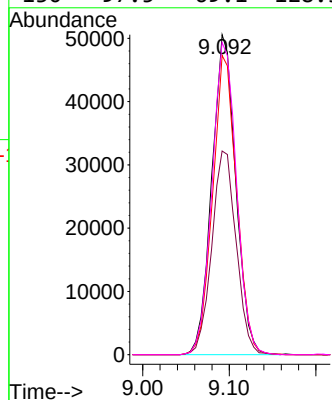
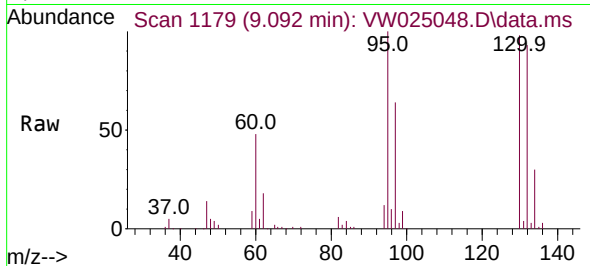


#34
Trichloroethene
Concen: 23.906 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

Tgt Ion: 95 Resp: 97015

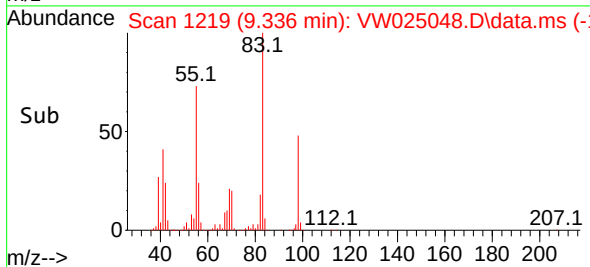
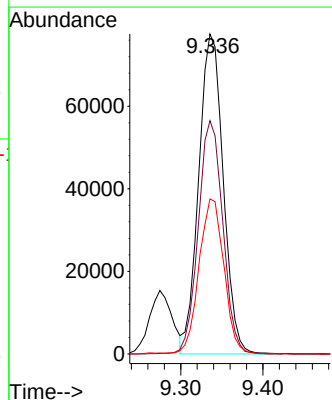
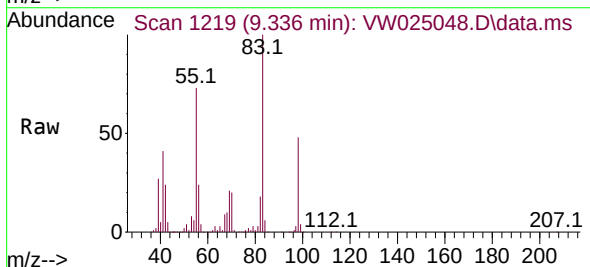
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.7	83.1
132	93.5	62.6	116.2
130	97.5	69.1	128.3

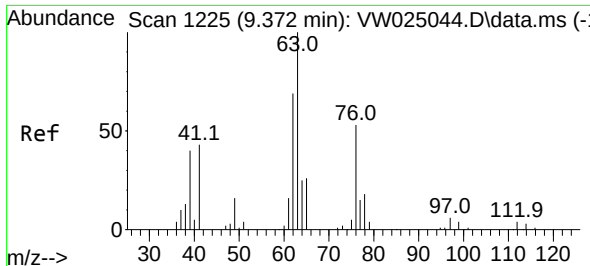


#35
Methylcyclohexane
Concen: 23.236 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 83 Resp: 160227

Ion	Ratio	Lower	Upper
83	100		
55	73.0	60.4	90.6
98	49.2	39.5	59.3





#37

1,2-Dichloropropane

Concen: 23.399 ug/L

RT: 9.372 min Scan# 1225

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

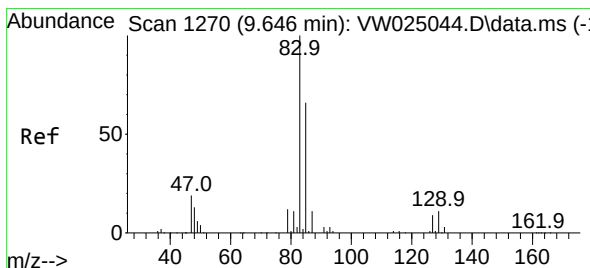
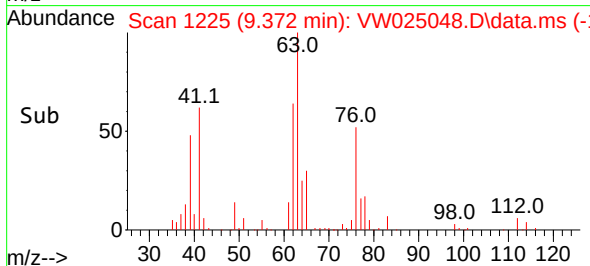
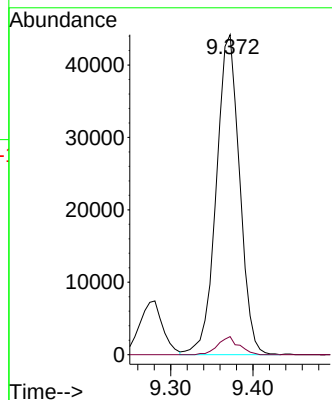
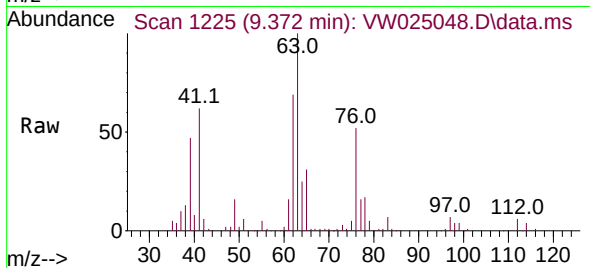
VSTD025496

Tgt Ion: 63 Resp: 87063

Ion Ratio Lower Upper

63 100

112 5.1 3.6 5.4



#38

Bromodichloromethane

Concen: 25.055 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

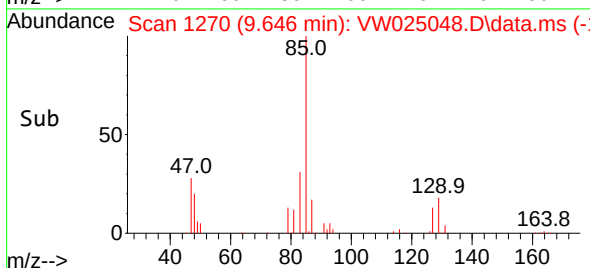
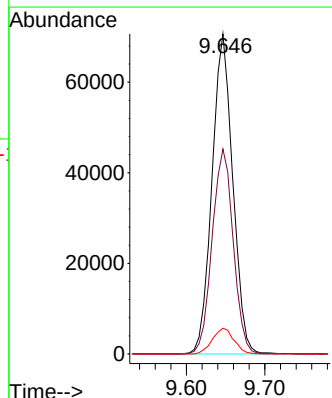
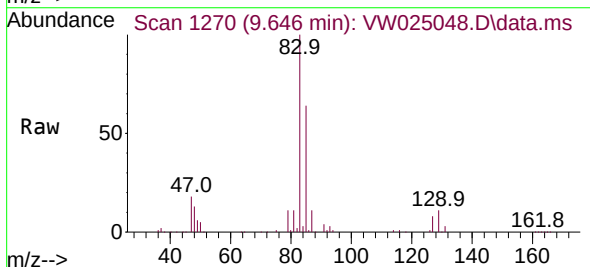
Tgt Ion: 83 Resp: 130109

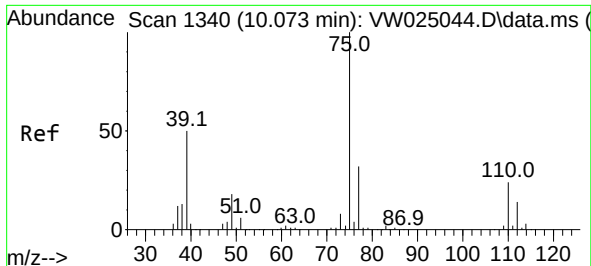
Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.0

127 8.1 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 24.103 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

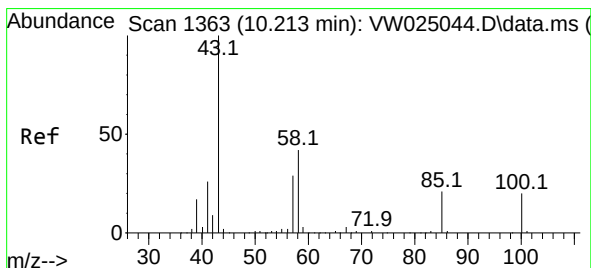
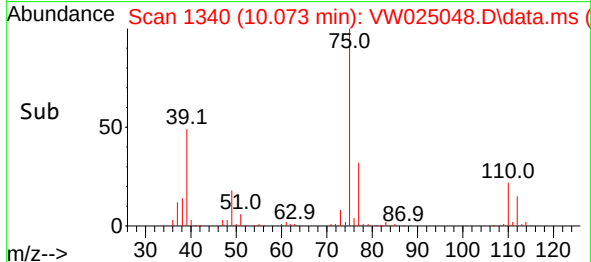
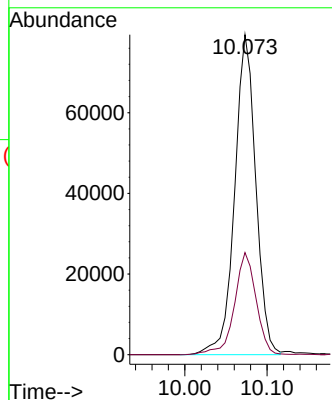
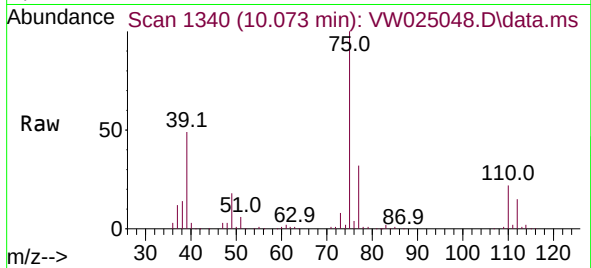
VSTD025496

Tgt Ion: 75 Resp: 141778

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 40.367 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

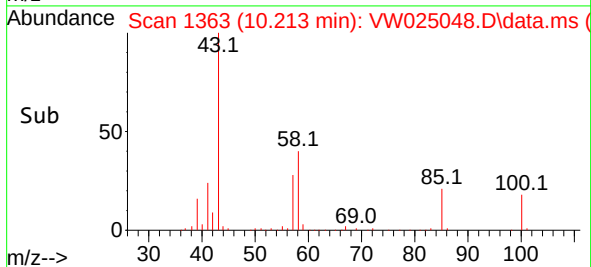
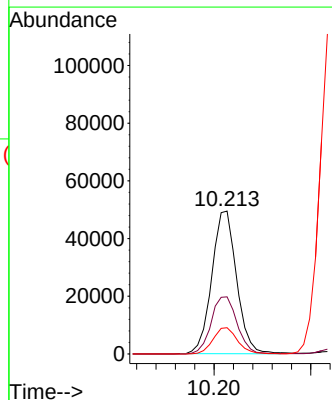
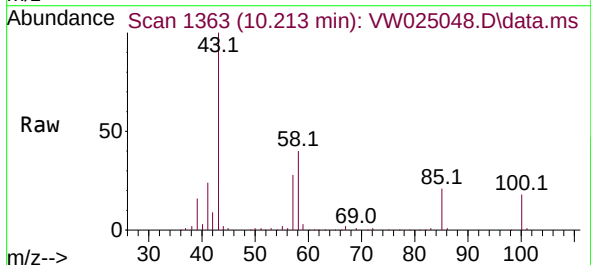
Tgt Ion: 43 Resp: 88140

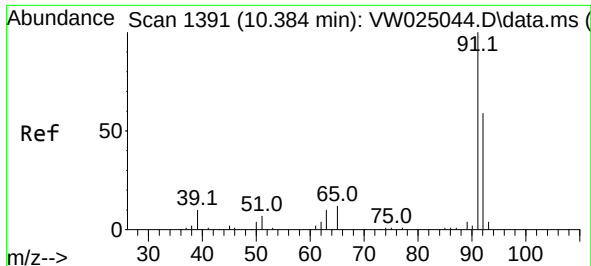
Ion Ratio Lower Upper

43 100

58 41.9 32.6 48.8

100 18.1 14.0 21.0





#42

Toluene

Concen: 24.581 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

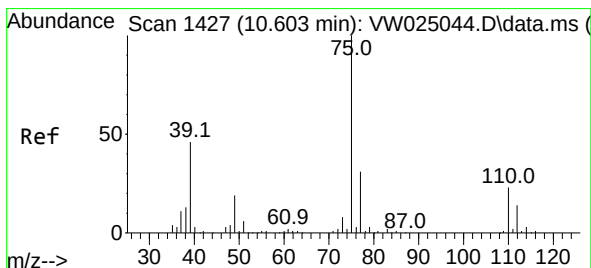
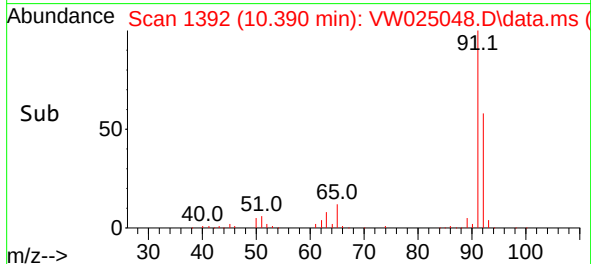
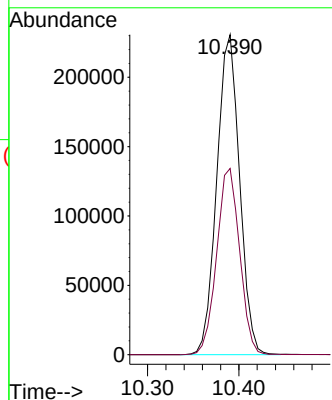
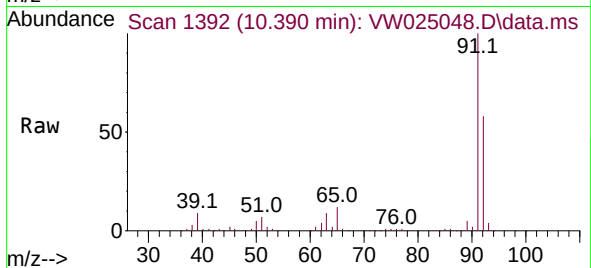
VSTD025496

Tgt Ion: 91 Resp: 400057

Ion Ratio Lower Upper

91 100

92 58.2 38.6 71.8



#44

trans-1,3-Dichloropropene

Concen: 23.855 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW025048.D

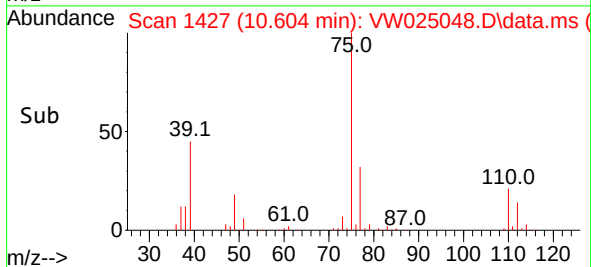
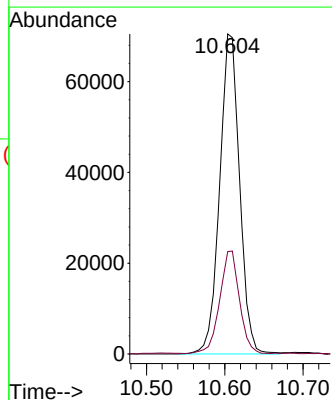
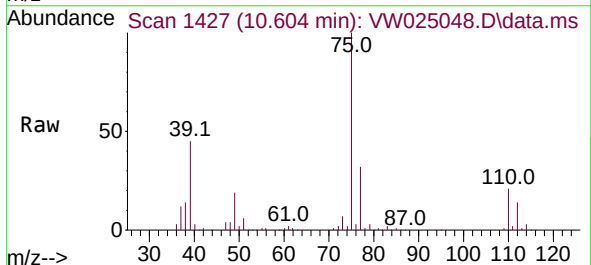
Acq: 14 Nov 2022 14:16

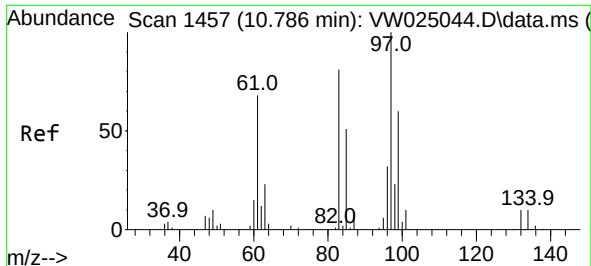
Tgt Ion: 75 Resp: 124746

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 23.415 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

Tgt Ion: 97 Resp: 65781

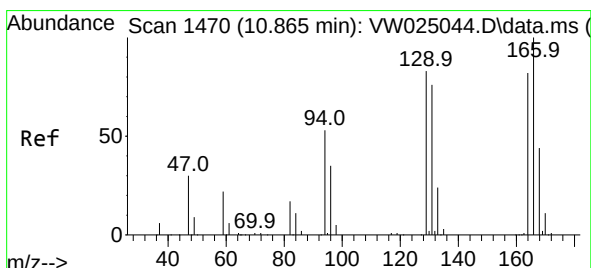
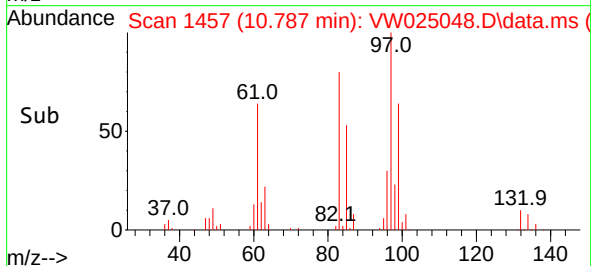
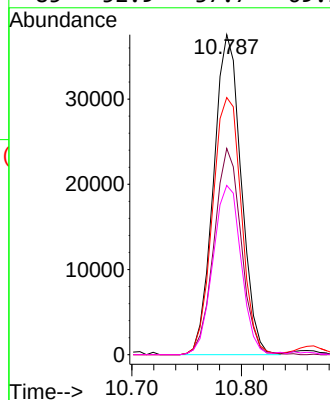
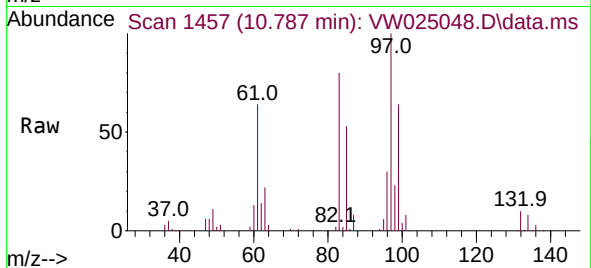
Ion Ratio Lower Upper

97 100

99 64.5 44.0 81.6

83 80.3 59.9 111.3

85 52.9 37.7 69.9



#46

Tetrachloroethene

Concen: 23.669 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Tgt Ion:164 Resp: 68695

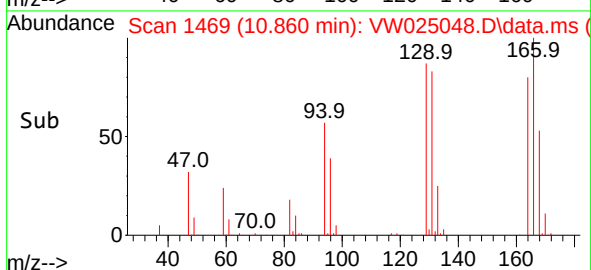
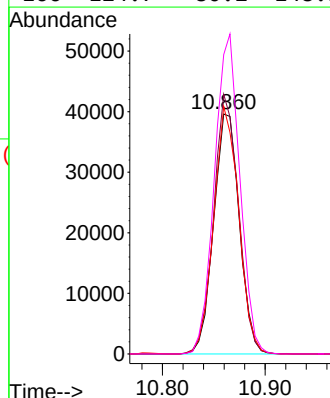
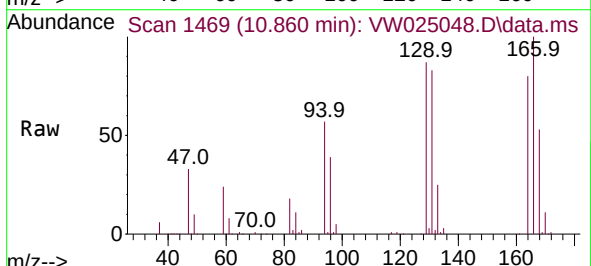
Ion Ratio Lower Upper

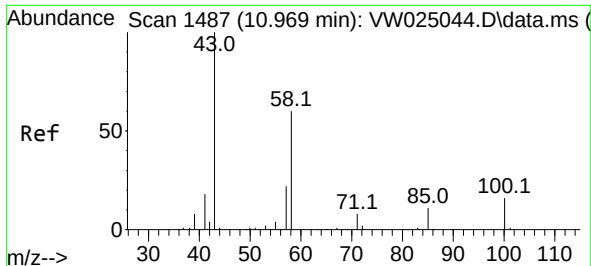
164 100

129 108.2 72.9 135.5

131 103.1 70.1 130.3

166 124.7 80.2 148.9

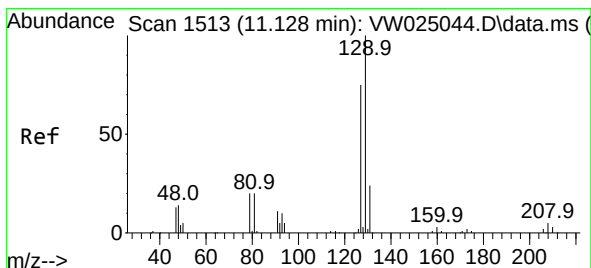
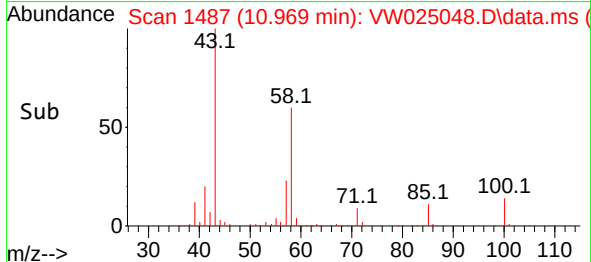
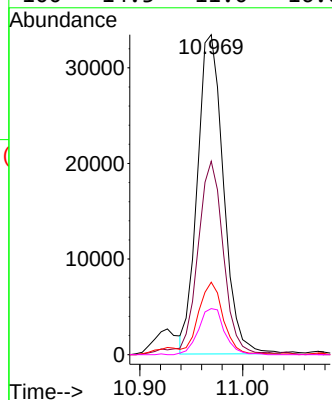
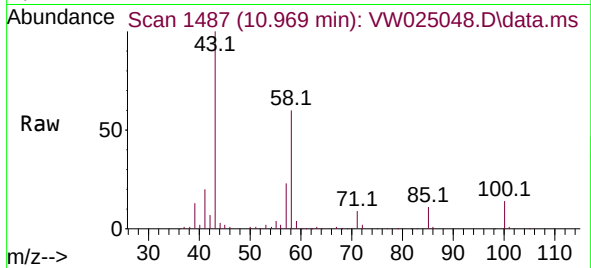




#48
2-Hexanone
Concen: 39.176 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

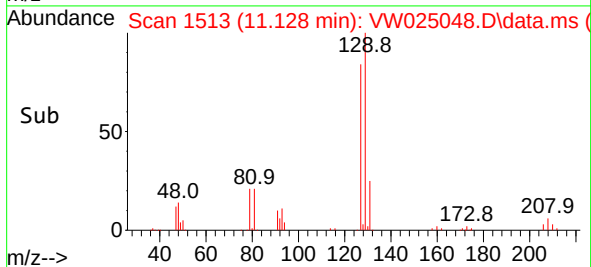
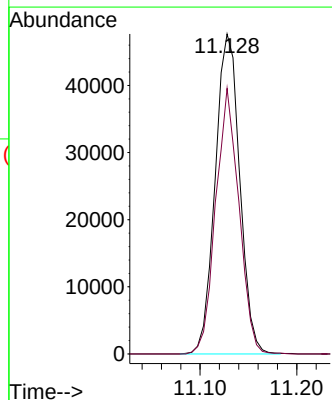
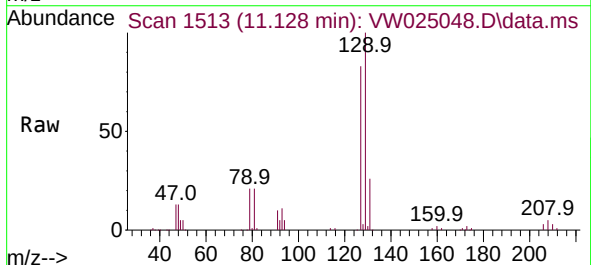
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

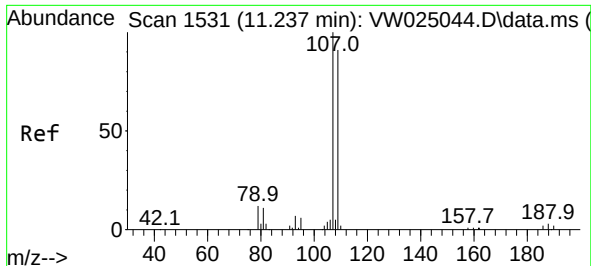
Tgt Ion: 43	Resp: 59158
Ion Ratio	Lower Upper
43	100
58	58.5 46.1 69.1
57	21.6 16.2 24.2
100	14.3 11.0 16.6



#49
Dibromochloromethane
Concen: 24.519 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 129	Resp: 83966
Ion Ratio	Lower Upper
129	100
127	83.0 53.2 98.8





#50

1,2-Dibromoethane

Concen: 22.570 ug/L

RT: 11.238 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

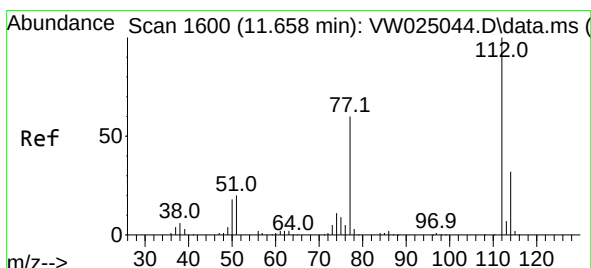
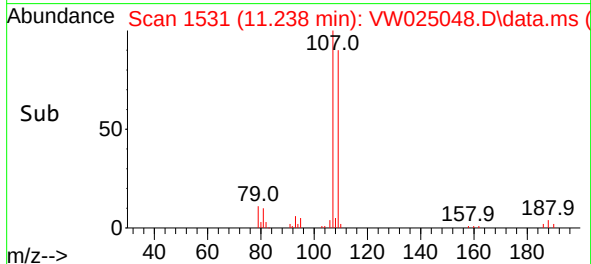
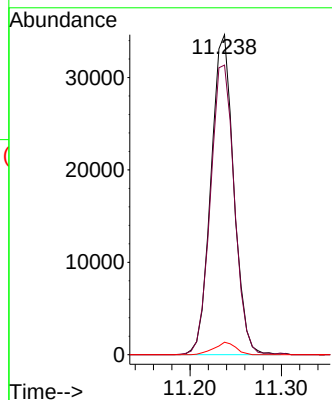
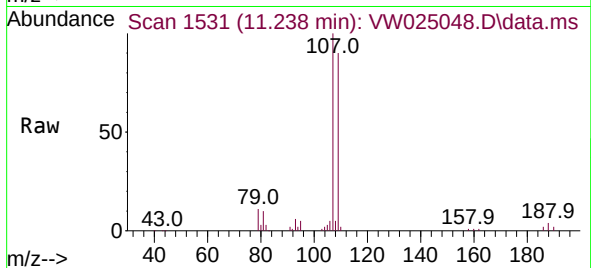
Tgt Ion:107 Resp: 59969

Ion Ratio Lower Upper

107 100

109 90.5 64.5 119.7

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 24.153 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

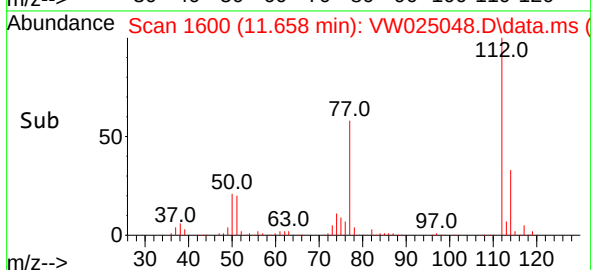
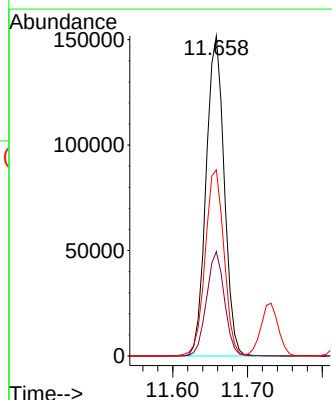
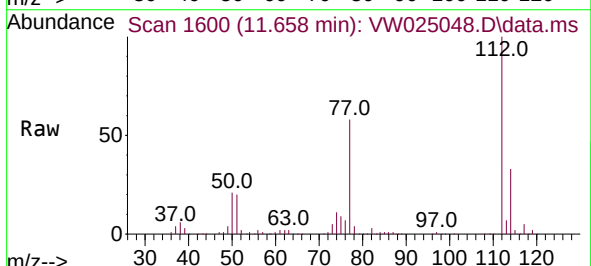
Tgt Ion:112 Resp: 254809

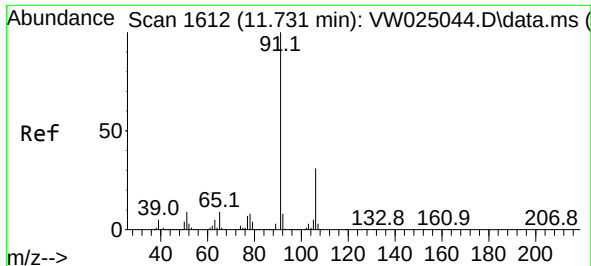
Ion Ratio Lower Upper

112 100

114 32.6 20.8 38.6

77 58.2 48.2 72.2

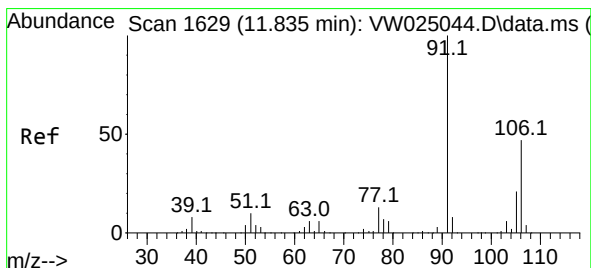
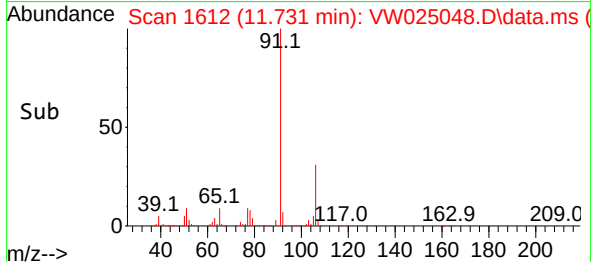
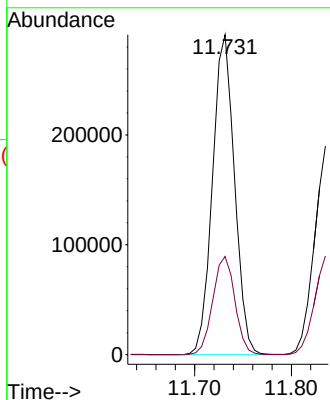
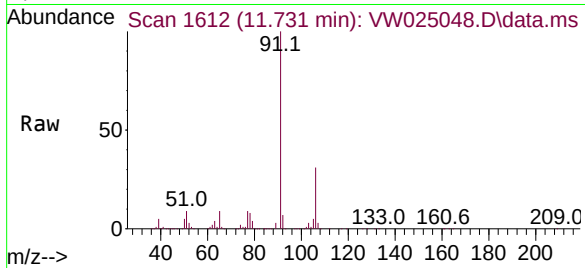




#52
Ethylbenzene
Concen: 24.513 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

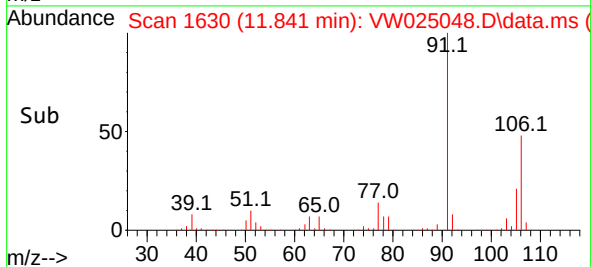
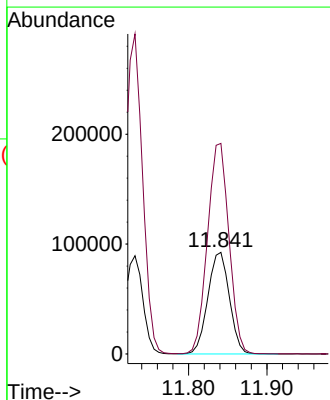
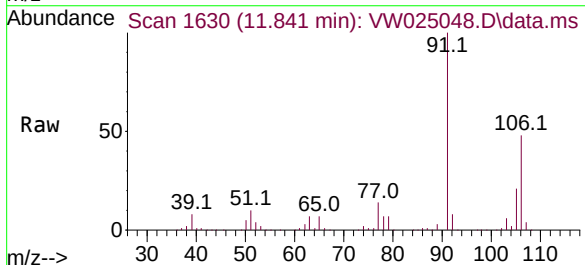
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

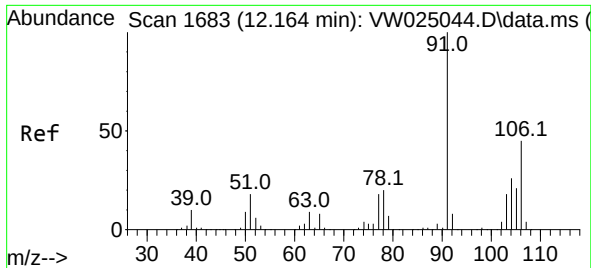
Tgt Ion: 91 Resp: 460516
Ion Ratio Lower Upper
91 100
106 30.7 22.3 41.5



#53
m,p-Xylene
Concen: 24.279 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 106 Resp: 176559
Ion Ratio Lower Upper
106 100
91 207.1 143.9 267.2

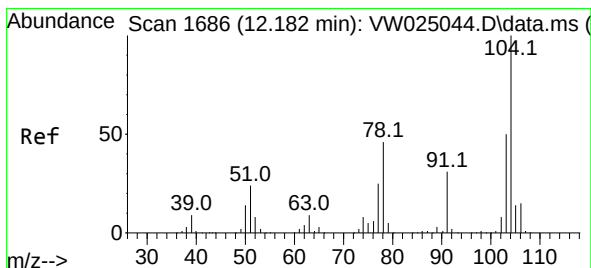
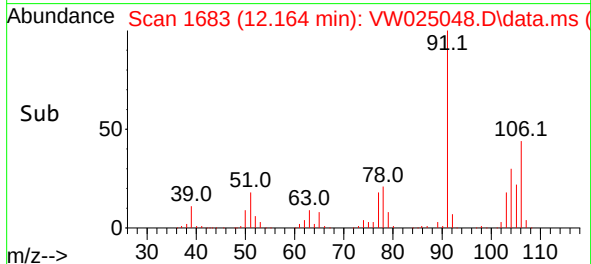
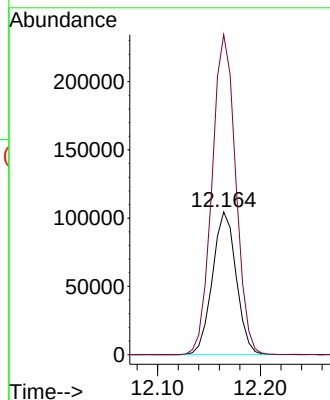
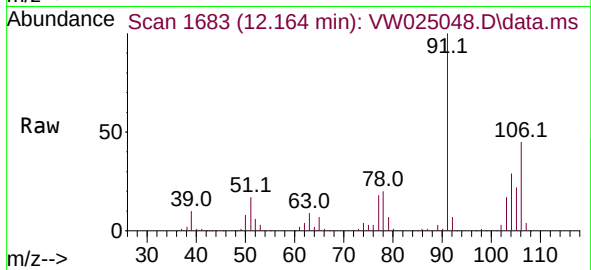




#54
o-Xylene
Concen: 24.482 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

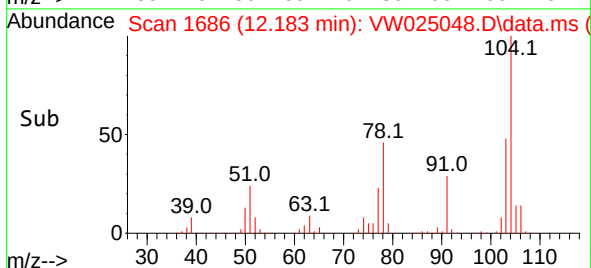
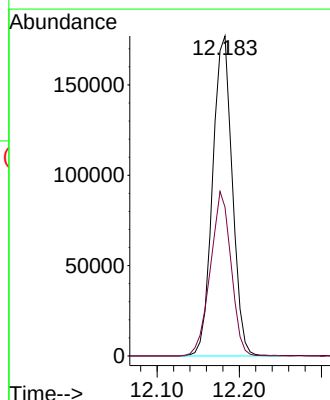
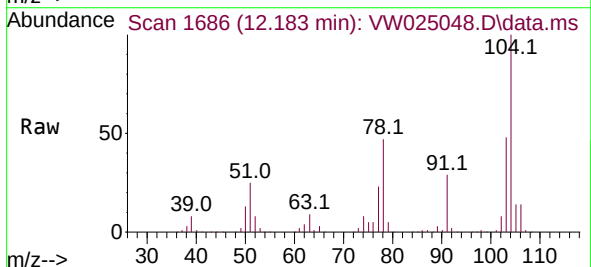
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

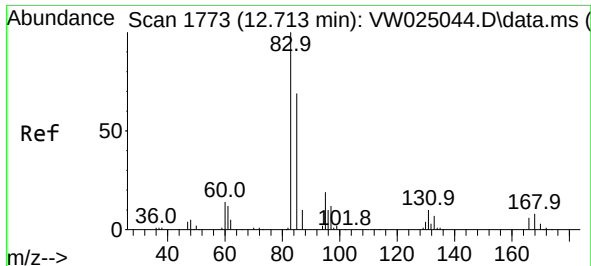
Tgt Ion:106 Resp: 167960
Ion Ratio Lower Upper
106 100
91 224.3 153.5 285.1



#55
Styrene
Concen: 24.700 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion:104 Resp: 294326
Ion Ratio Lower Upper
104 100
78 46.5 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 22.175 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

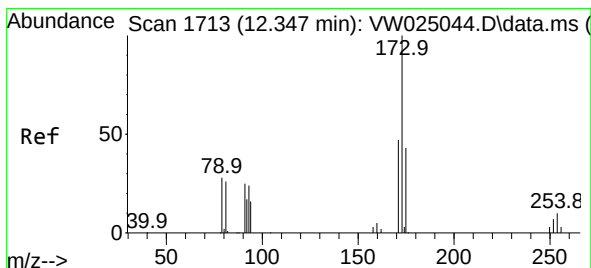
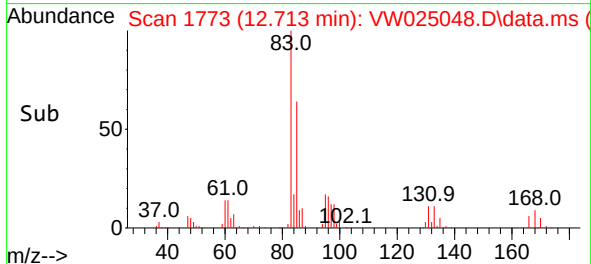
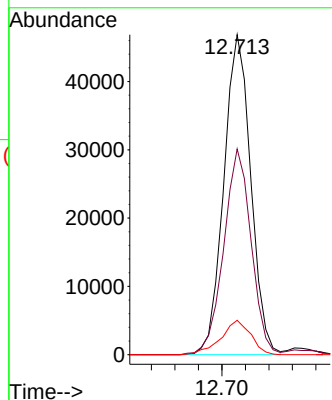
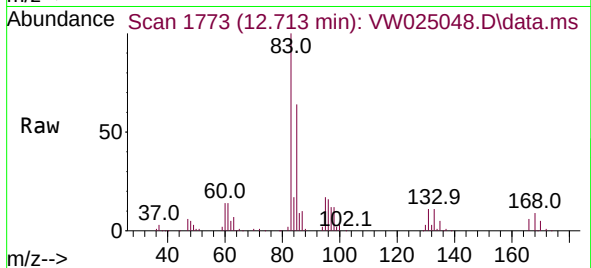
Tgt Ion: 83 Resp: 74734

Ion Ratio Lower Upper

83 100

85 64.3 46.4 86.2

131 10.7 8.2 12.4



#59

Bromoform

Concen: 24.475 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

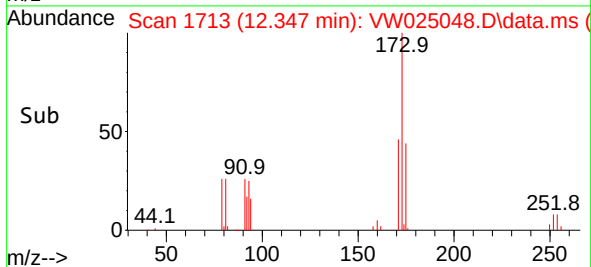
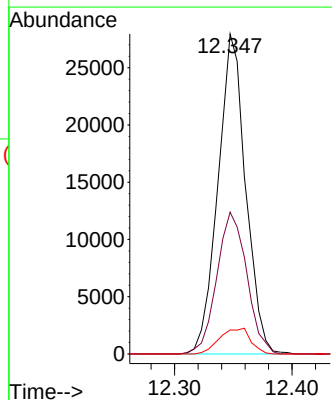
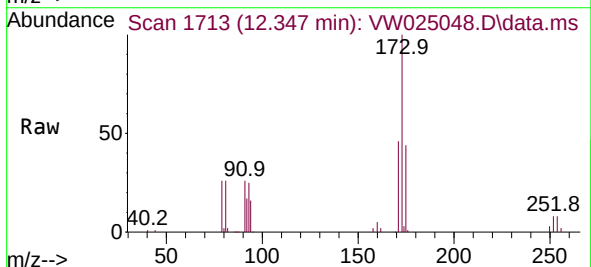
Tgt Ion:173 Resp: 45751

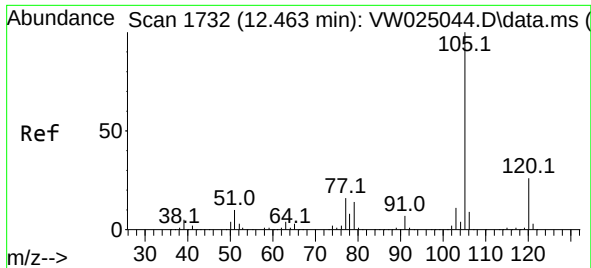
Ion Ratio Lower Upper

173 100

175 48.0 37.4 56.2

254 9.0 5.8 8.8#

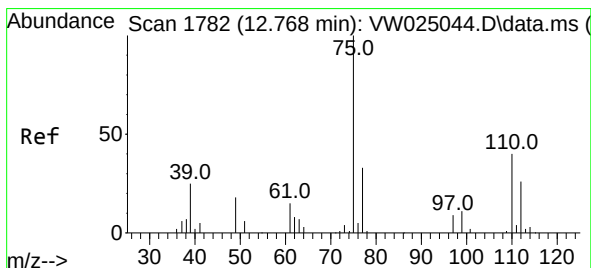
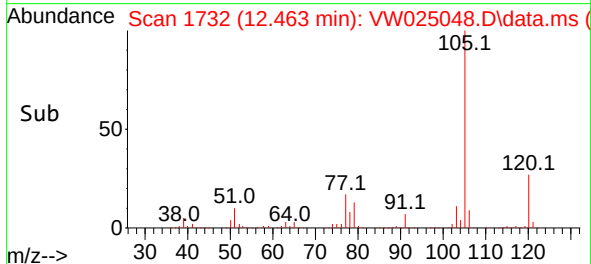
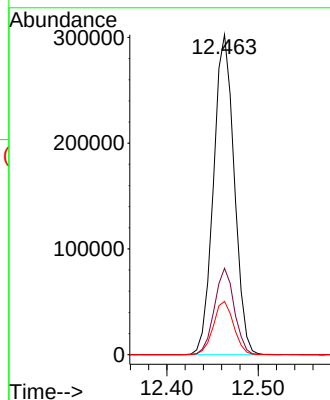
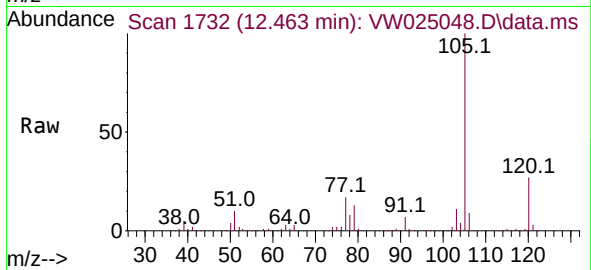




#60
Isopropylbenzene
Concen: 23.950 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

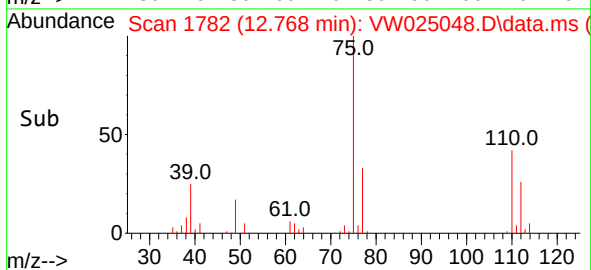
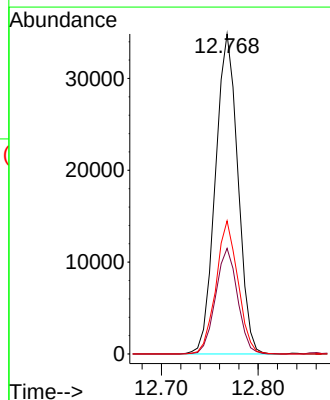
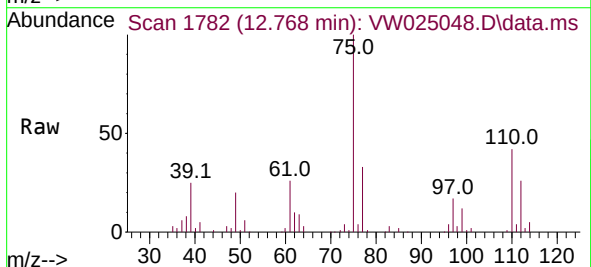
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

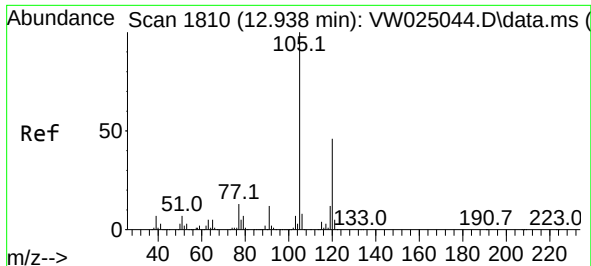
Tgt Ion:105 Resp: 475889
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.4 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 21.180 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion: 75 Resp: 56238
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 40.5 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 24.160 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

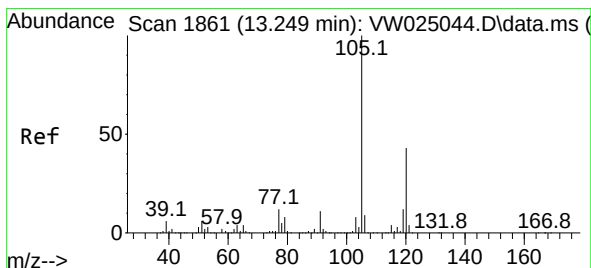
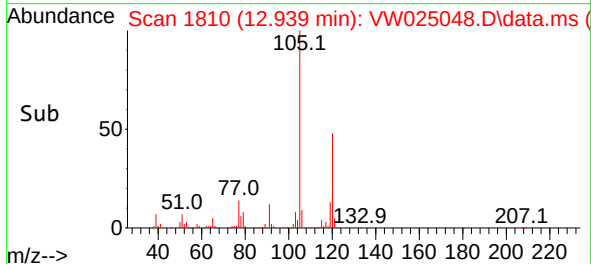
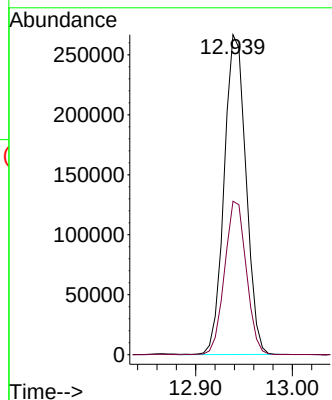
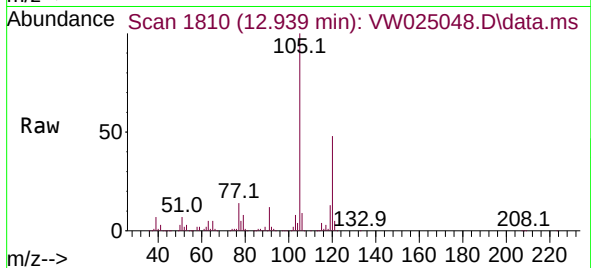
VSTD025496

Tgt Ion:105 Resp: 416732

Ion Ratio Lower Upper

105 100

120 47.9 37.6 56.4



#63

1,2,4-Trimethylbenzene

Concen: 24.168 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW025048.D

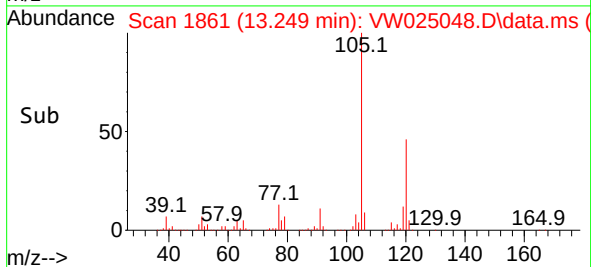
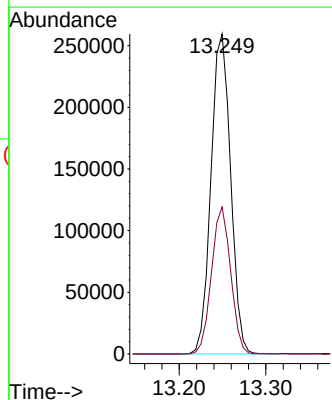
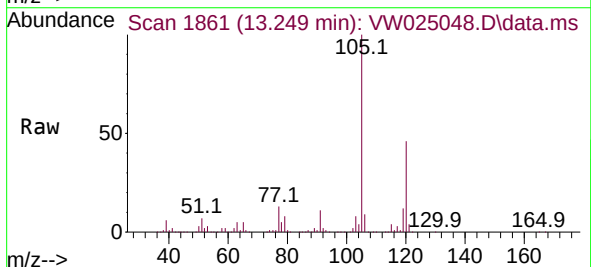
Acq: 14 Nov 2022 14:16

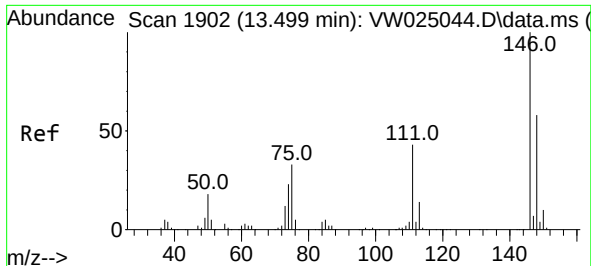
Tgt Ion:105 Resp: 408774

Ion Ratio Lower Upper

105 100

120 44.8 35.7 53.5

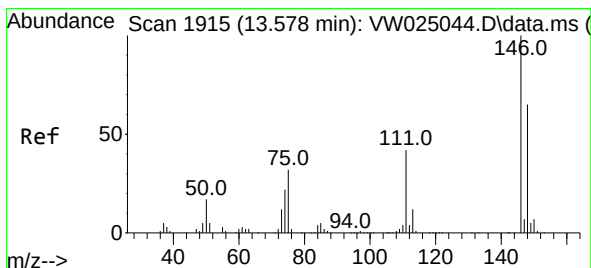
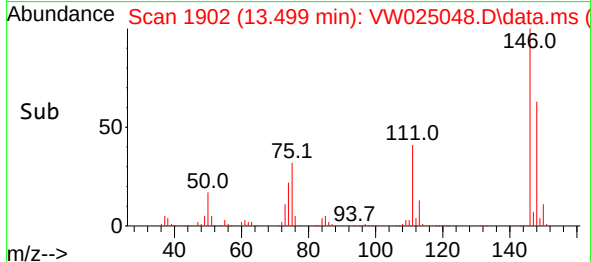
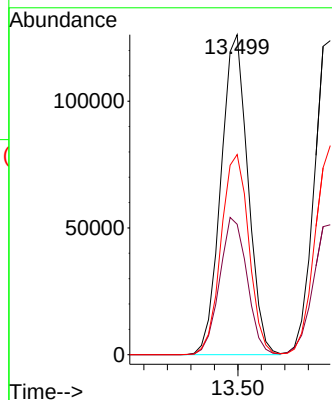
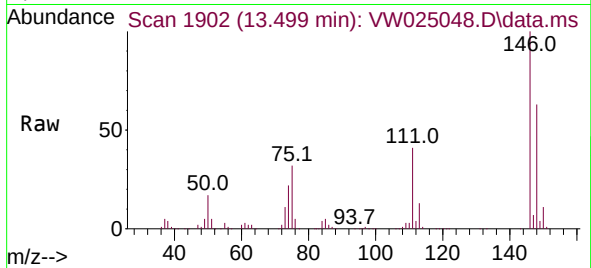




#64
1,3-Dichlorobenzene
Concen: 24.354 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

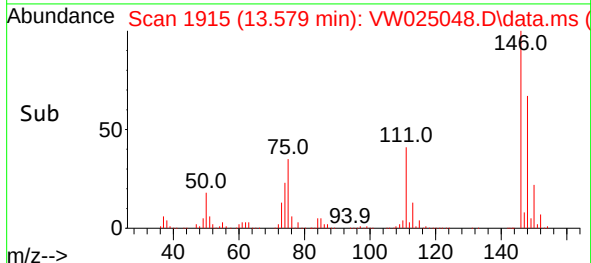
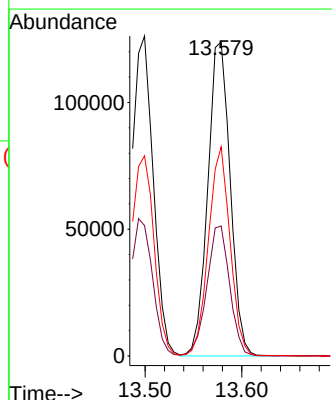
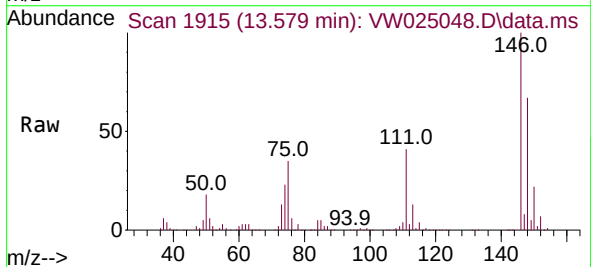
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

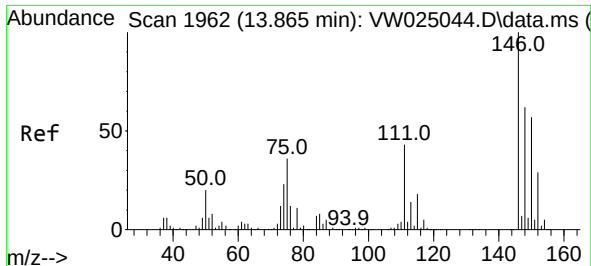
Tgt Ion:146 Resp: 201832
Ion Ratio Lower Upper
146 100
111 40.8 31.1 57.7
148 62.5 47.2 87.6



#65
1,4-Dichlorobenzene
Concen: 24.189 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion:146 Resp: 200024
Ion Ratio Lower Upper
146 100
111 41.4 28.8 53.6
148 66.6 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 24.280 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

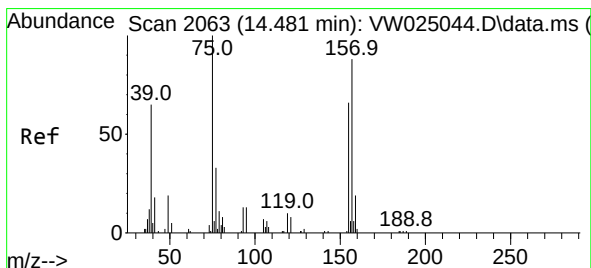
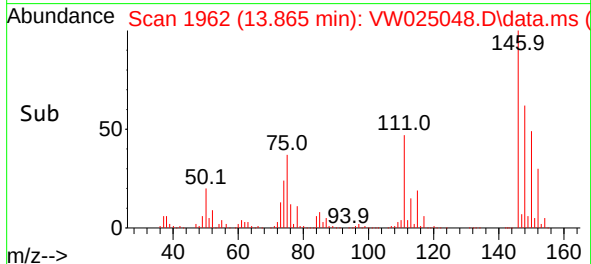
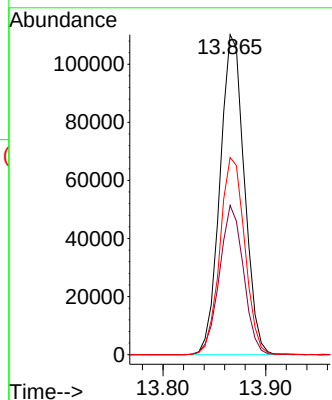
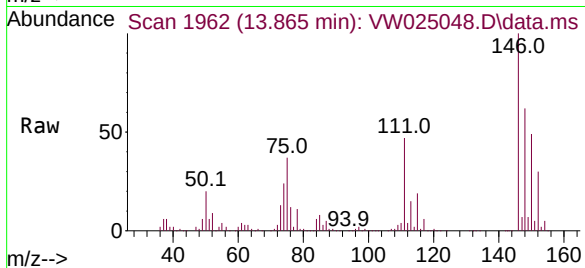
Tgt Ion:146 Resp: 180919

Ion Ratio Lower Upper

146 100

111 46.7 34.2 51.4

148 61.6 47.1 70.7



#68

1,2-Dibromo-3-chloropropane

Concen: 21.988 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

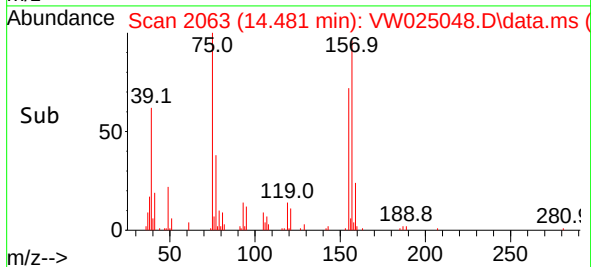
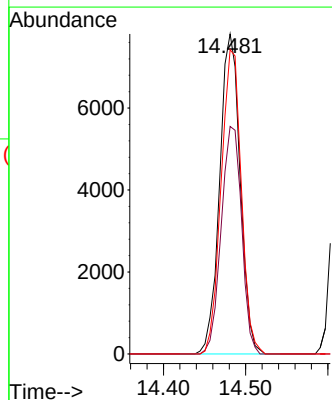
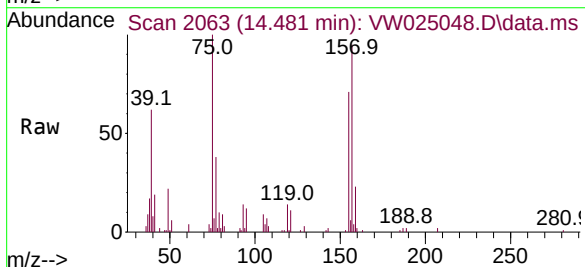
Tgt Ion: 75 Resp: 13492

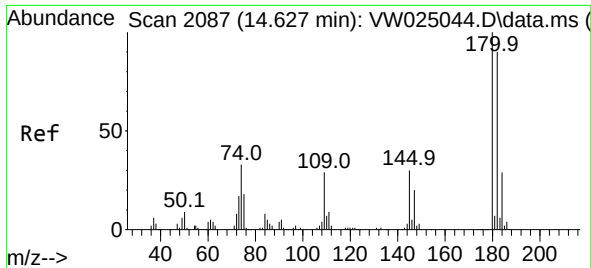
Ion Ratio Lower Upper

75 100

155 71.1 61.2 91.8

157 95.1 72.4 108.6

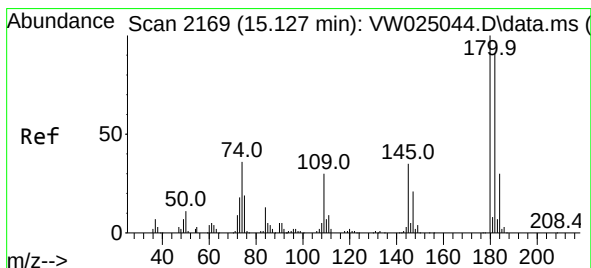
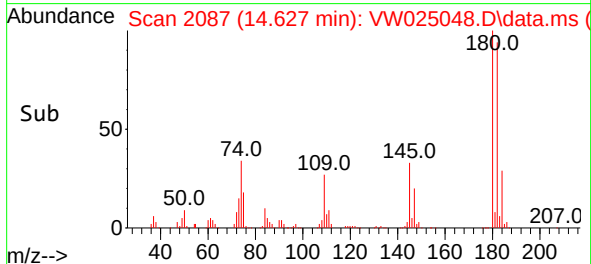
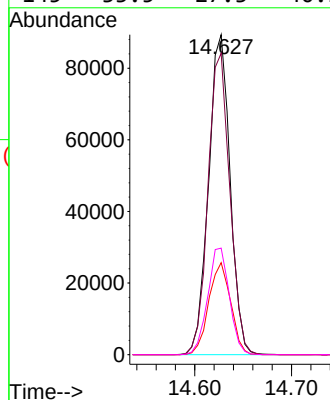
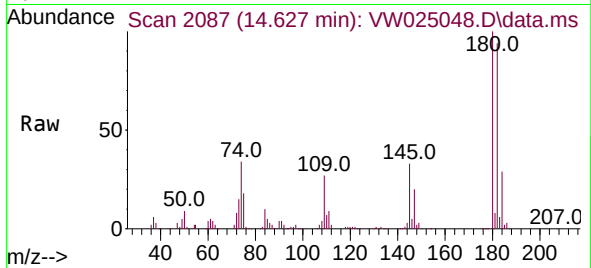




#69
1,3,5-Trichlorobenzene
Concen: 25.259 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

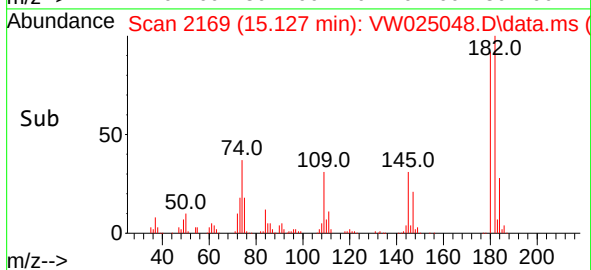
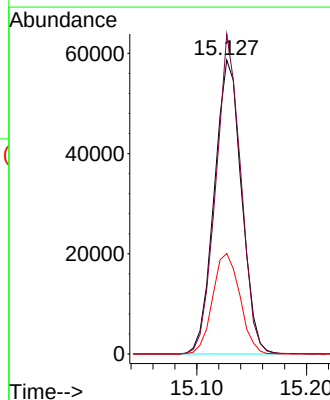
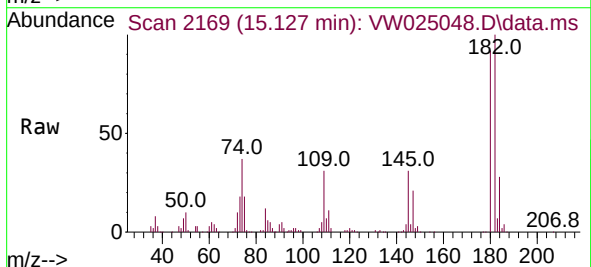
Instrument :
MSVOA_W
ClientSampleId :
VSTD025496

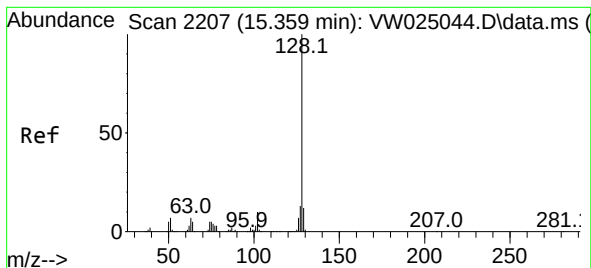
Tgt Ion:180 Resp: 138650
Ion Ratio Lower Upper
180 100
182 95.3 75.7 113.5
184 29.3 23.4 35.2
145 33.5 27.3 40.9



#70
1,2,4-trichlorobenzene
Concen: 23.742 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW025048.D
Acq: 14 Nov 2022 14:16

Tgt Ion:180 Resp: 101291
Ion Ratio Lower Upper
180 100
182 99.9 74.9 112.3
145 34.2 27.0 40.4





#71

Naphthalene

Concen: 22.560 ug/L

RT: 15.359 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025496

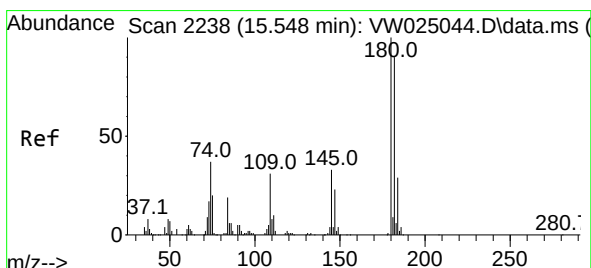
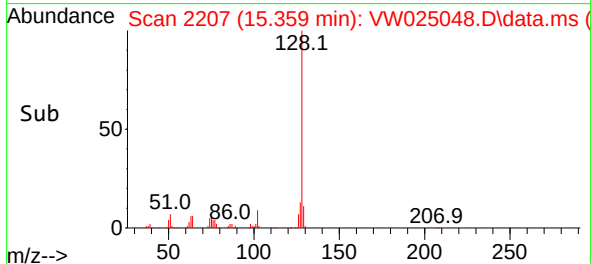
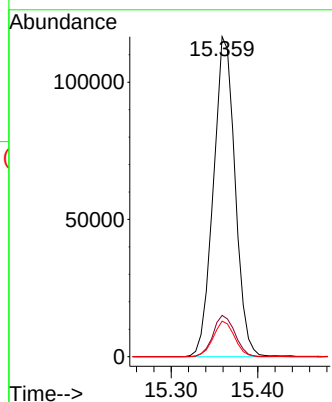
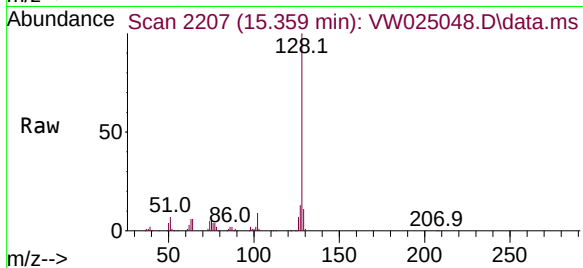
Tgt Ion:128 Resp: 203035

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.326 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW025048.D

Acq: 14 Nov 2022 14:16

Tgt Ion:180 Resp: 90429

Ion Ratio Lower Upper

180 100

182 93.0 74.1 111.1

145 36.2 28.2 42.2

