

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051022\
 Data File : VW022964.D
 Acq On : 10 May 2022 18:37
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025525

Quant Time: May 11 01:24:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 11 01:19:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	302621	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	295901	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	169066	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	112937	18.190	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.760%
7) Chloroethane-d5	2.885	69	95840	23.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.920%
11) 1,1-Dichloroethene-d2	4.019	63	155417	19.373	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.480%
21) 2-Butanone-d5	7.080	46	70996	60.142	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.280%
24) Chloroform-d	7.647	84	220673	24.890	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.560%
26) 1,2-Dichloroethane-d4	8.305	65	122328	25.156	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.640%
32) Benzene-d6	8.275	84	400662	23.492	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.960%
36) 1,2-Dichloropropane-d6	9.274	67	122015	25.468	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.880%
41) Toluene-d8	10.323	98	384047	23.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.240%
43) trans-1,3-Dichloroprop...	10.579	79	51312	23.261	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.040%
47) 2-Hexanone-d5	10.920	63	59958	65.558	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.120%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	133067	29.799	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.200%
66) 1,2-Dichlorobenzene-d4	13.853	152	143686	24.312	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	33196	20.123	ug/L	99
3) Chloromethane	2.215	50	72300	22.680	ug/L	99
5) Vinyl chloride	2.361	62	133675	20.894	ug/L	96
6) Bromomethane	2.776	94	89036	21.675	ug/L	92
8) Chloroethane	2.922	64	76698	24.856	ug/L	98
9) Trichlorofluoromethane	3.257	101	56768	19.414	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	95727	21.894	ug/L	98
12) 1,1-Dichloroethene	4.038	96	81269	20.968	ug/L	94
13) Acetone	4.117	43	37777	42.744	ug/L	99
14) Carbon disulfide	4.385	76	187558	17.651	ug/L	99
15) Methyl Acetate	4.672	43	45729	25.755	ug/L	99
16) Methylene chloride	4.922	84	101952	23.024	ug/L	95
17) trans-1,2-Dichloroethene	5.421	96	94851	21.746	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	176642	26.529	ug/L	100
19) 1,1-Dichloroethane	6.214	63	178026	24.082	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	113001	24.120	ug/L #	100
22) 2-Butanone	7.171	43	64489	52.176	ug/L	99
23) Bromochloromethane	7.513	128	52067	23.731	ug/L	99
25) Chloroform	7.677	83	207839	25.426	ug/L	95

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 Response via : Initial Calibration

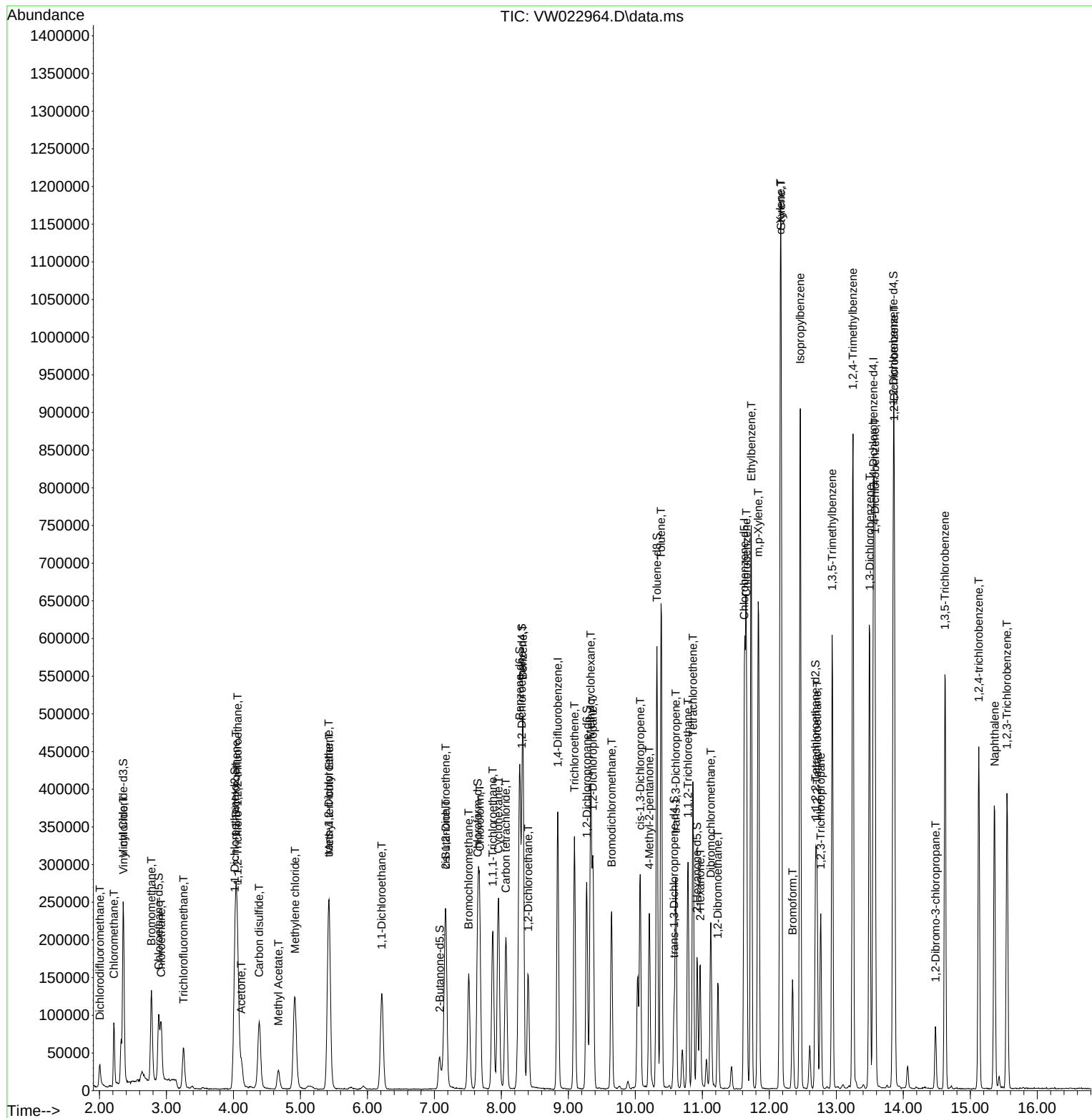
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	135684	24.901	ug/L	100
29) Cyclohexane	7.958	56	135610	21.191	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	165592	23.681	ug/L	99
31) Carbon tetrachloride	8.067	117	145334	22.218	ug/L	98
33) Benzene	8.323	78	419938	24.091	ug/L	100
34) Trichloroethene	9.091	95	110681	23.088	ug/L	97
35) Methylcyclohexane	9.335	83	165895	21.065	ug/L	99
37) 1,2-Dichloropropane	9.366	63	103986	24.651	ug/L	100
38) Bromodichloromethane	9.646	83	152004	25.369	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	160741	24.575	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	146729	55.185	ug/L	99
42) Toluene	10.384	91	473805	24.253	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	148538	25.442	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	92568	26.250	ug/L	96
46) Tetrachloroethene	10.859	164	81504	22.623	ug/L	90
48) 2-Hexanone	10.969	43	99308	55.900	ug/L	99
49) Dibromochloromethane	11.128	129	111488	26.268	ug/L	96
50) 1,2-Dibromoethane	11.231	107	89675	25.325	ug/L	97
51) Chlorobenzene	11.658	112	327063	25.395	ug/L	98
52) Ethylbenzene	11.731	91	539406	24.819	ug/L	100
53) m,p-Xylene	11.835	106	213913	24.979	ug/L	99
54) o-Xylene	12.164	106	207542	25.255	ug/L	97
55) Styrene	12.176	104	362447	25.956	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.713	83	120868	27.441	ug/L	97
59) Bromoform	12.347	173	58639	24.474	ug/L	98
60) Isopropylbenzene	12.463	105	570316	24.624	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	87146	25.797	ug/L	100
62) 1,3,5-Trimethylbenzene	12.938	105	315533	24.487	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	473516	24.474	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	242810	23.481	ug/L	94
65) 1,4-Dichlorobenzene	13.578	146	250830	23.484	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	239462	25.306	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	19045	25.796	ug/L	89
69) 1,3,5-Trichlorobenzene	14.621	180	152489	22.215	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	127257	23.047	ug/L	95
71) Naphthalene	15.365	128	323608	26.965	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	121770	24.883	ug/L	98

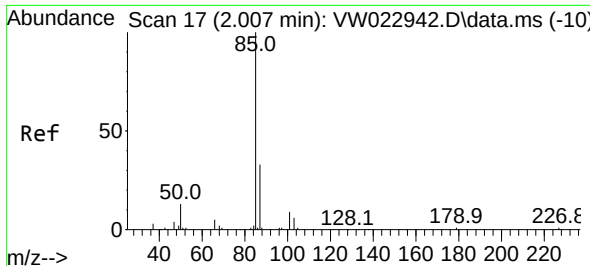
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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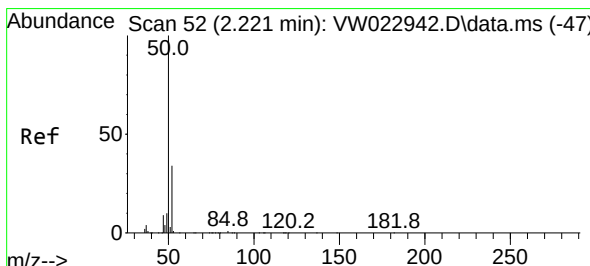
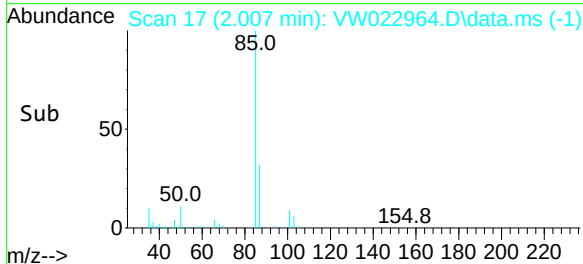
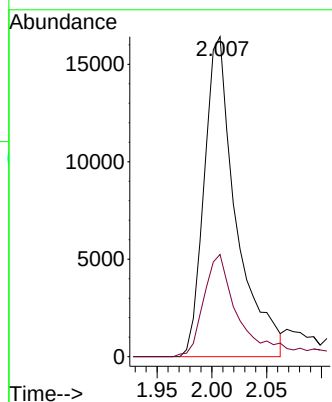
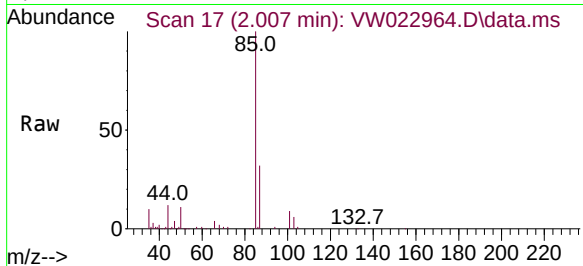




#2
 Dichlorodifluoromethane
 Concen: 20.123 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

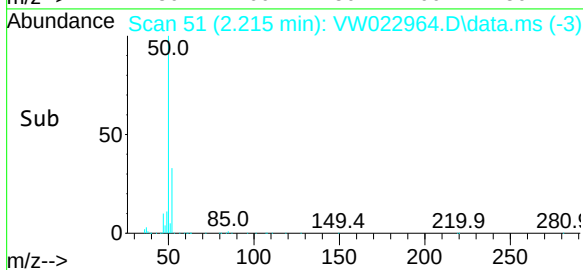
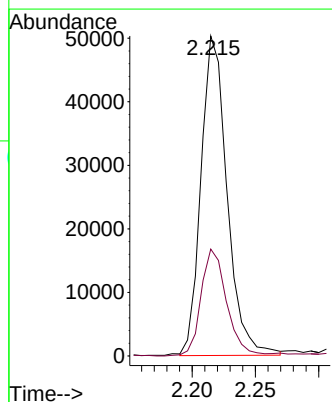
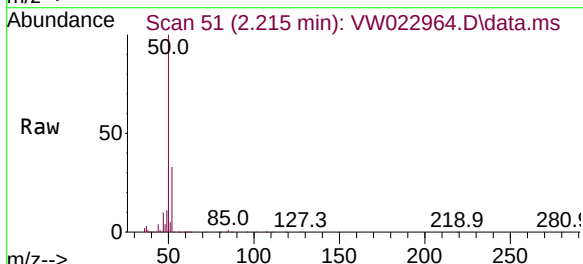
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025525

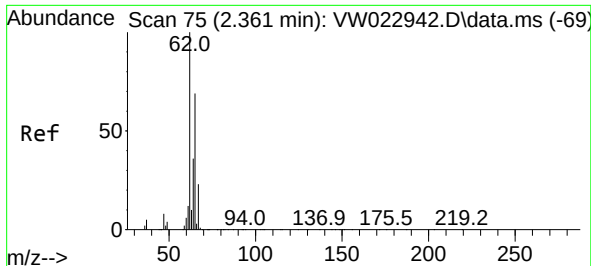
Tgt Ion: 85 Resp: 33196
 Ion Ratio Lower Upper
 85 100
 87 34.2 27.8 41.8



#3
 Chloromethane
 Concen: 22.680 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

Tgt Ion: 50 Resp: 72300
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.1 42.9

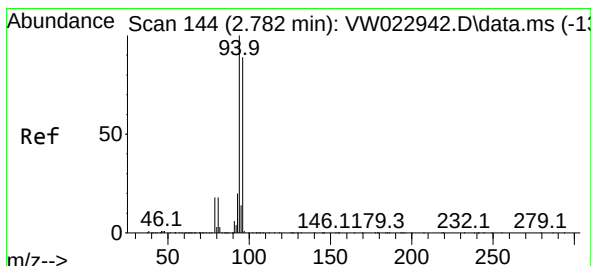
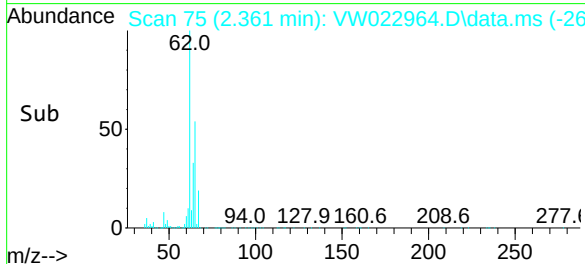
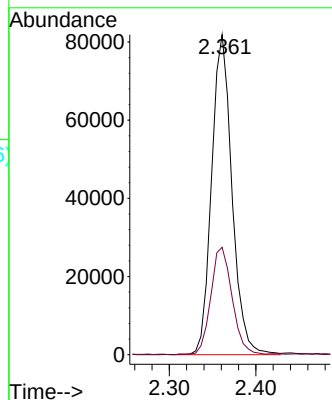
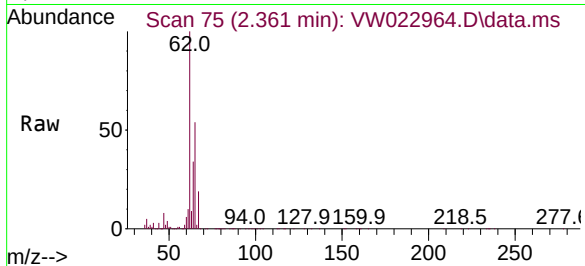




#5
 Vinyl chloride
 Concen: 20.894 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

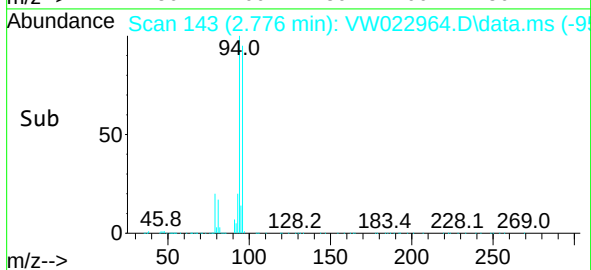
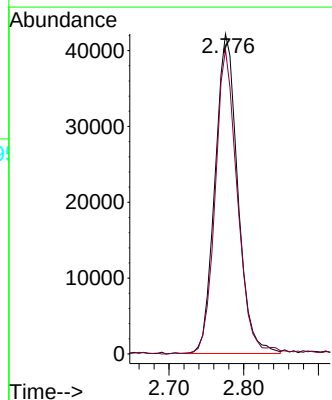
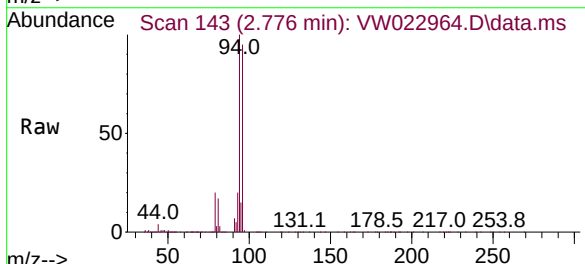
Instrument :
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 ClientSampleId :
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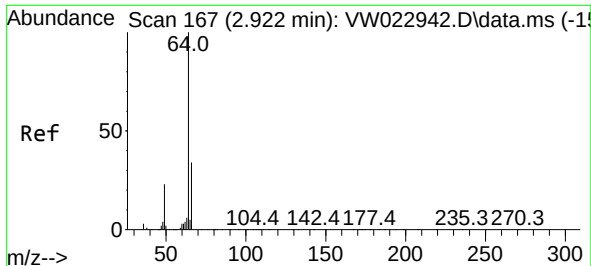
Tgt Ion: 62 Resp: 133675
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.9 46.3



#6
 Bromomethane
 Concen: 21.675 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

Tgt Ion: 94 Resp: 89036
 Ion Ratio Lower Upper
 94 100
 96 95.1 61.7 114.5

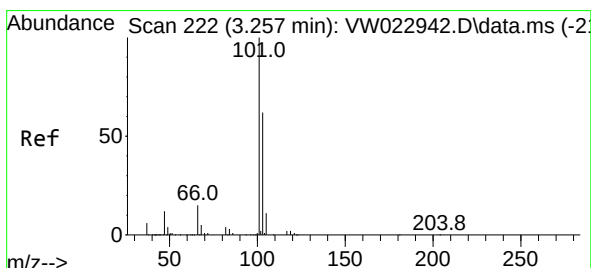
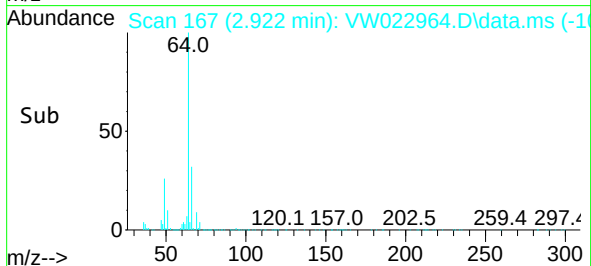
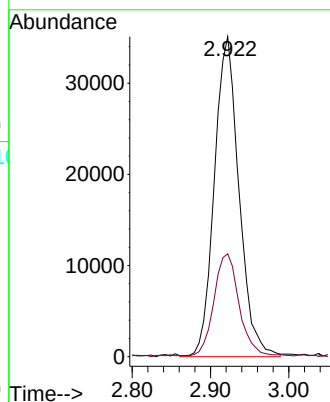
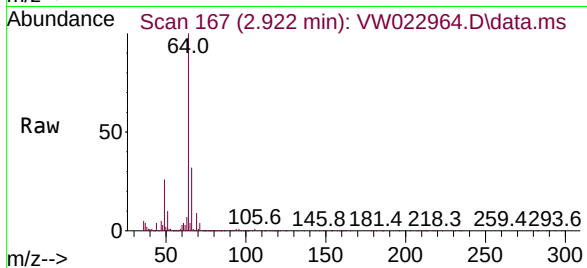




#8
Chloroethane
Concen: 24.856 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

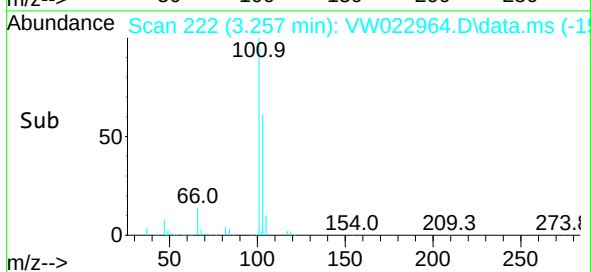
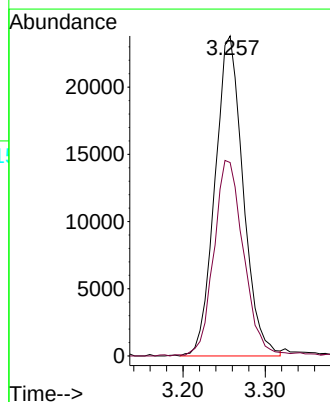
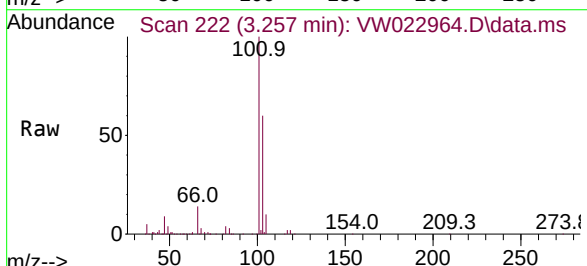
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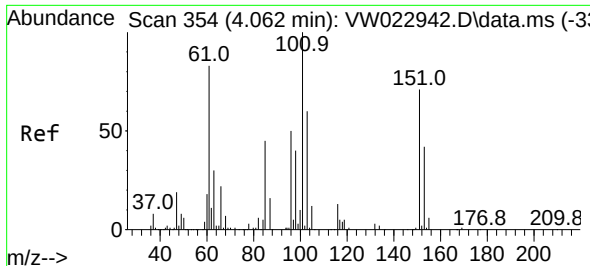
Tgt Ion: 64 Resp: 76698
Ion Ratio Lower Upper
64 100
66 32.1 23.4 43.6



#9
Trichlorofluoromethane
Concen: 19.414 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 101 Resp: 56768
Ion Ratio Lower Upper
101 100
103 64.2 53.9 80.9

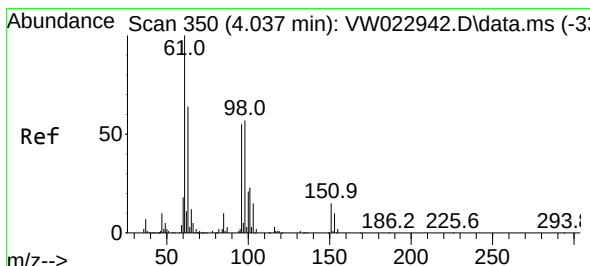
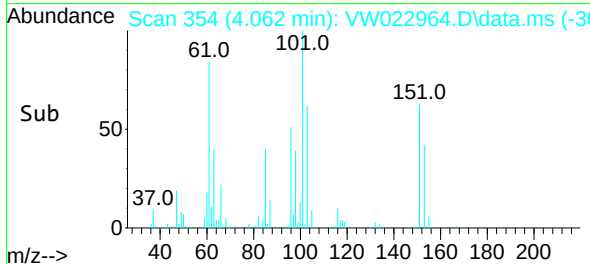
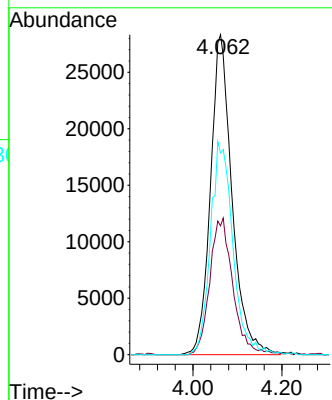
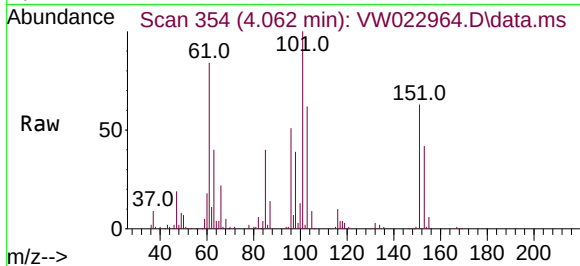




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.894 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

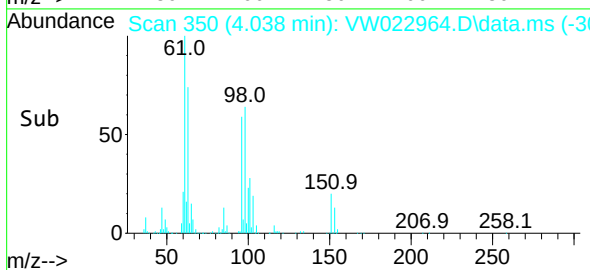
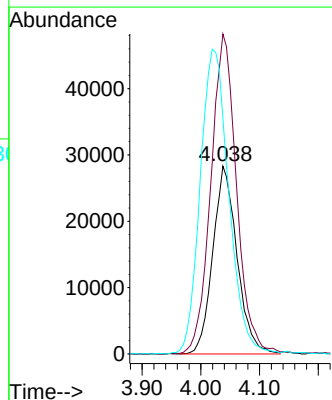
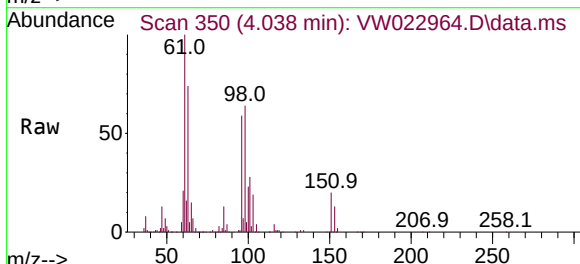
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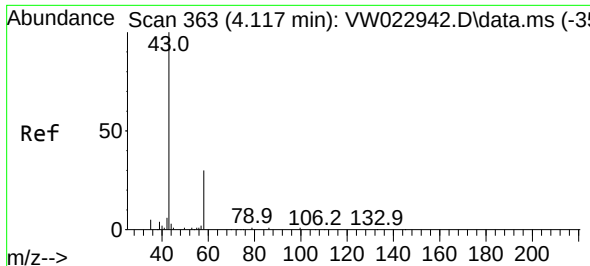
Tgt Ion:	101	Resp:	95727
Ion	Ratio	Lower	Upper
101	100		
85	44.8	34.3	51.5
151	68.3	54.2	81.2



#12
 1,1-Dichloroethene
 Concen: 20.968 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

Tgt Ion:	96	Resp:	81269
Ion	Ratio	Lower	Upper
96	100		
61	170.4	125.7	233.5
63	125.3	83.4	155.0





#13

Acetone

Concen: 42.744 ug/L

RT: 4.117 min Scan# 363

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

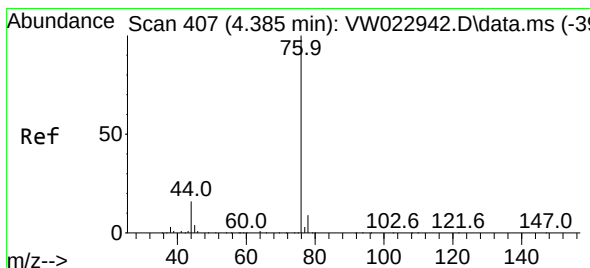
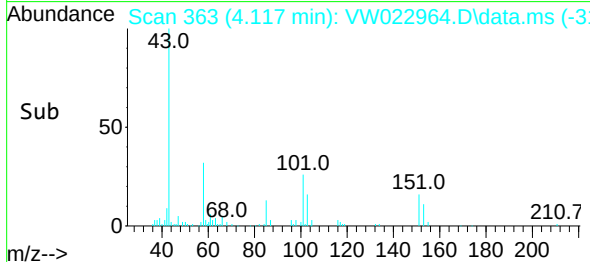
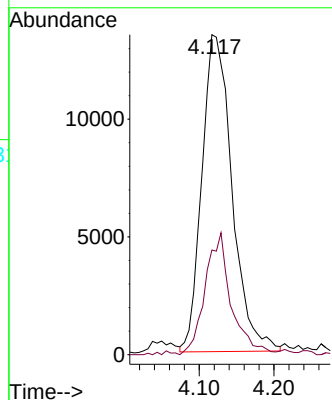
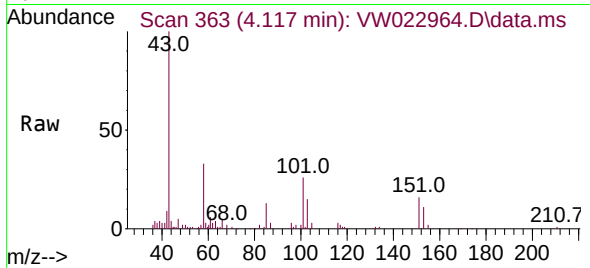
VSTD025525

Tgt Ion: 43 Resp: 37777

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.0



#14

Carbon disulfide

Concen: 17.651 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW022964.D

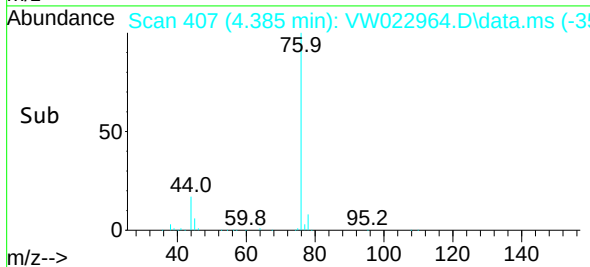
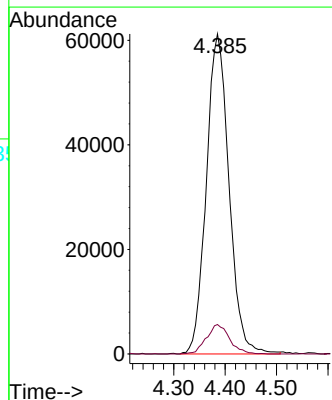
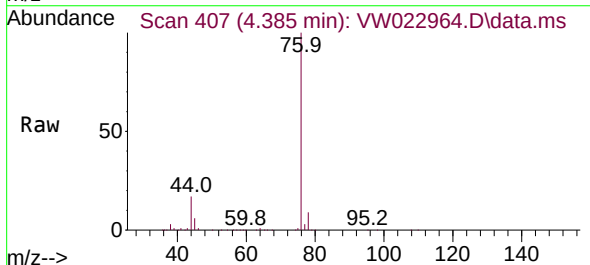
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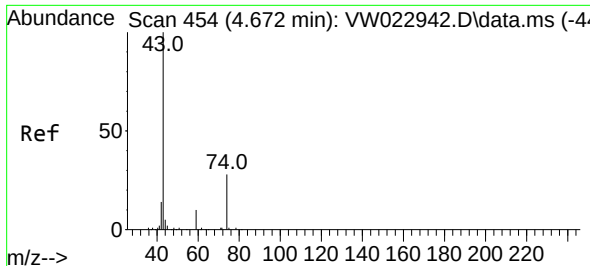
Tgt Ion: 76 Resp: 187558

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

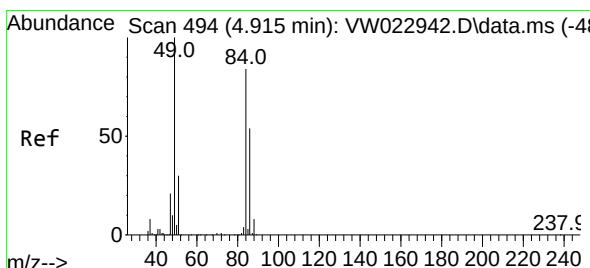
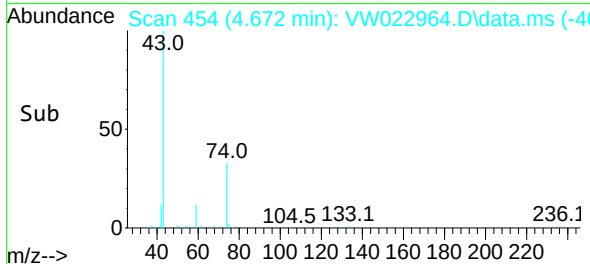
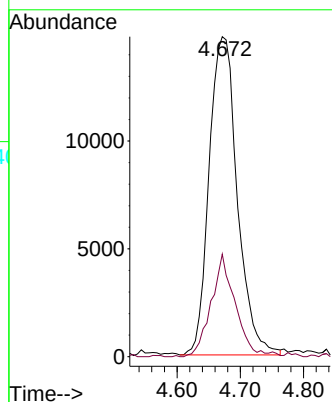
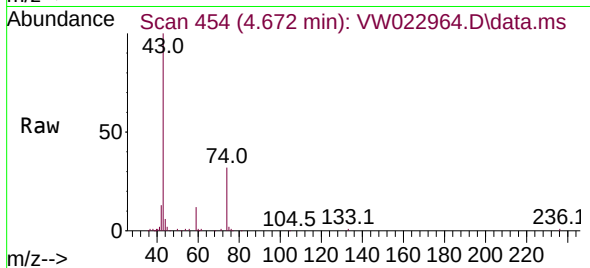




#15
Methyl Acetate
Concen: 25.755 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

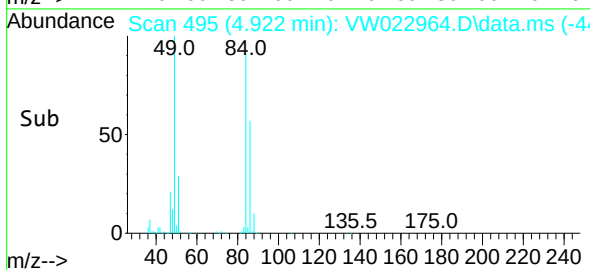
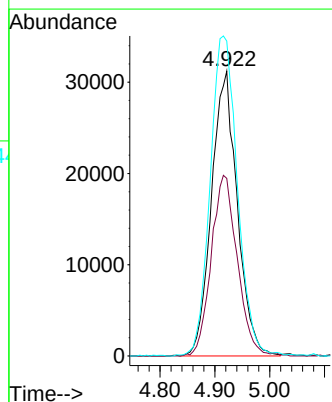
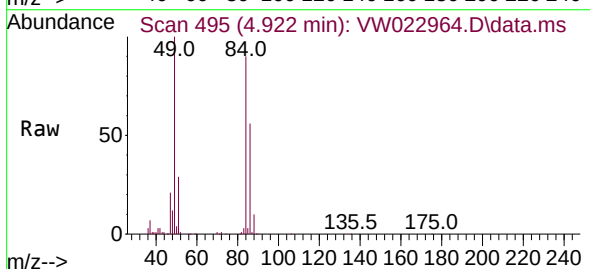
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

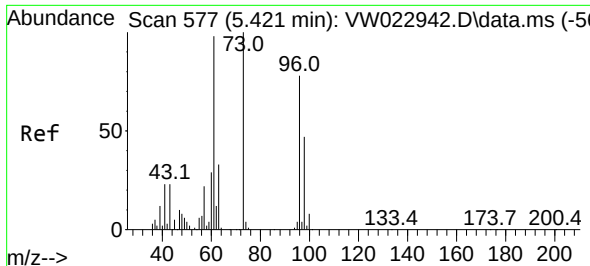
Tgt Ion: 43 Resp: 45729
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



#16
Methylene chloride
Concen: 23.024 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 84 Resp: 101952
Ion Ratio Lower Upper
84 100
86 62.4 45.4 84.4
49 110.6 82.5 153.1

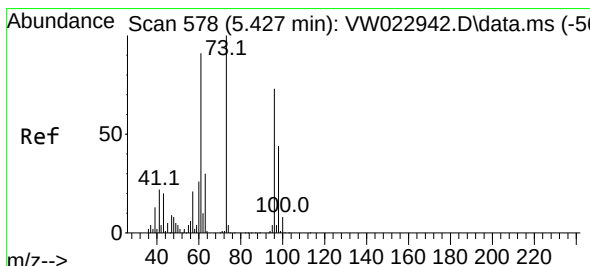
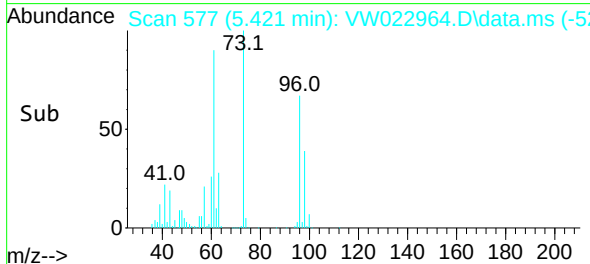
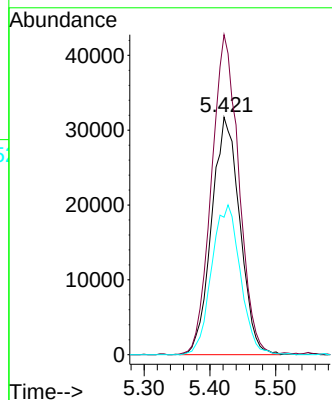
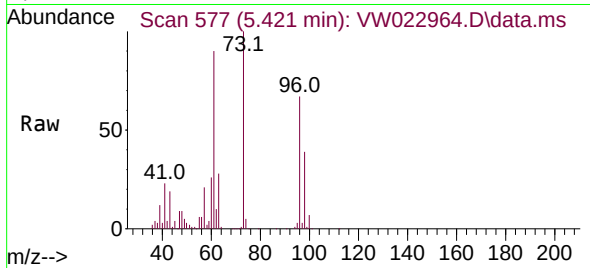




#17
trans-1,2-Dichloroethene
Concen: 21.746 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

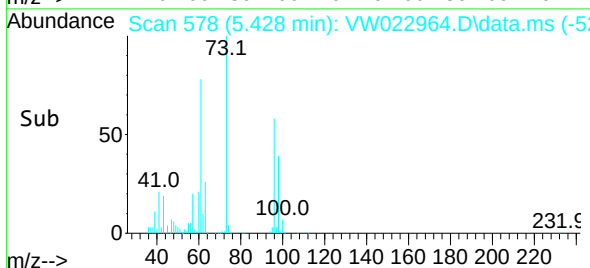
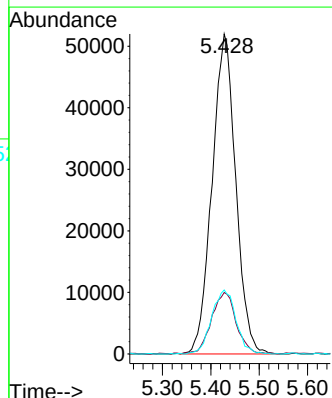
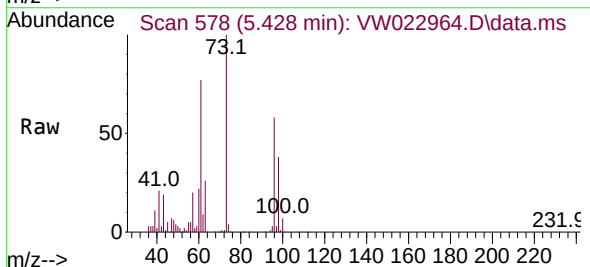
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

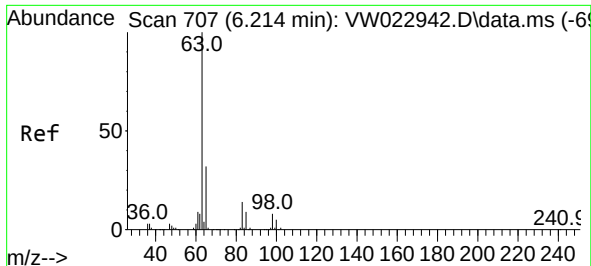
Tgt Ion: 96 Resp: 94851
Ion Ratio Lower Upper
96 100
61 134.8 92.2 171.2
98 57.9 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 26.529 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 73 Resp: 176642
Ion Ratio Lower Upper
73 100
43 19.7 15.9 23.9
57 20.4 16.5 24.7





#19

1,1-Dichloroethane

Concen: 24.082 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

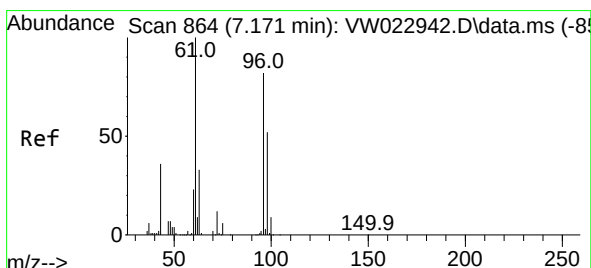
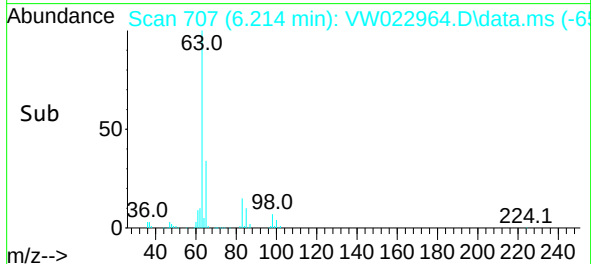
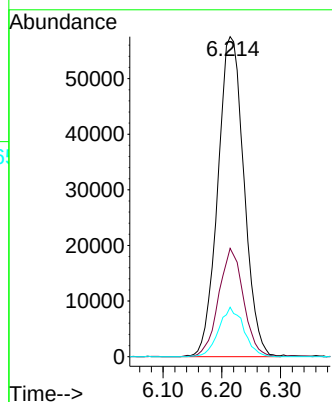
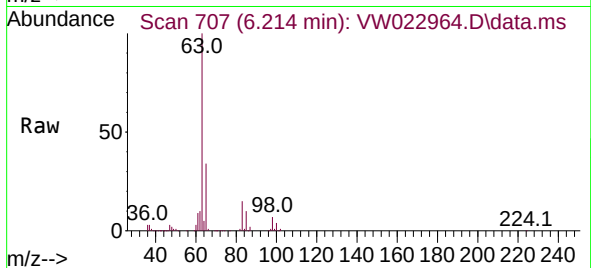
Tgt Ion: 63 Resp: 178026

Ion Ratio Lower Upper

63 100

65 33.9 23.3 43.3

83 15.4 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 24.120 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

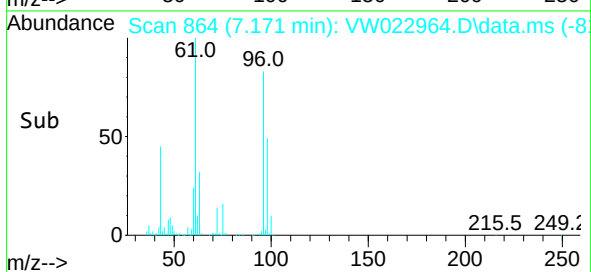
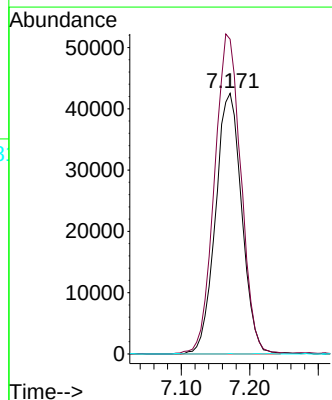
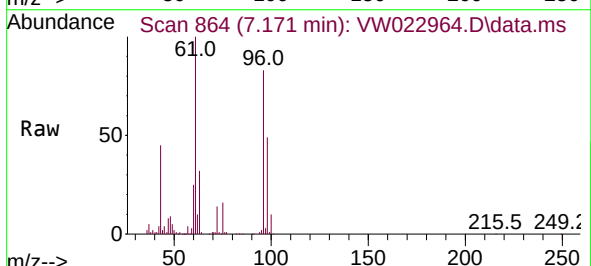
Tgt Ion: 96 Resp: 113001

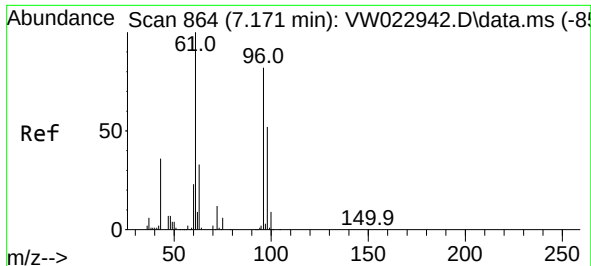
Ion Ratio Lower Upper

96 100

61 120.7 84.2 156.4

68 0.2 0.1 0.1#

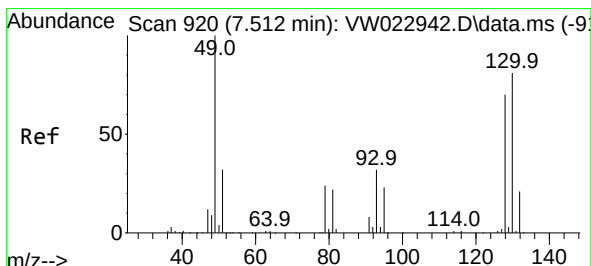
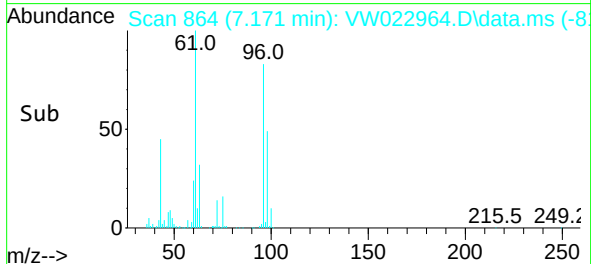
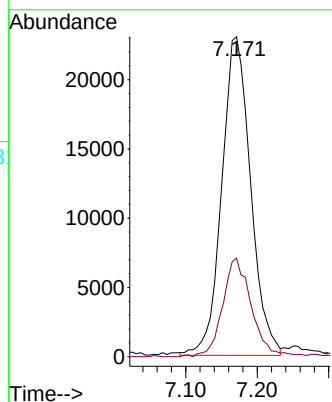
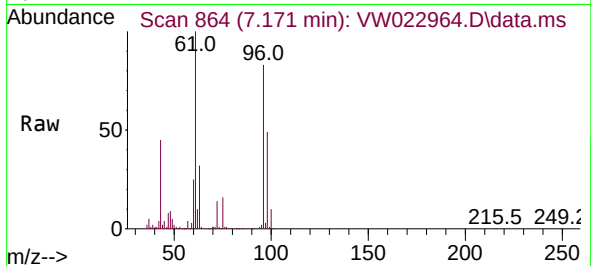




#22
2-Butanone
Concen: 52.176 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

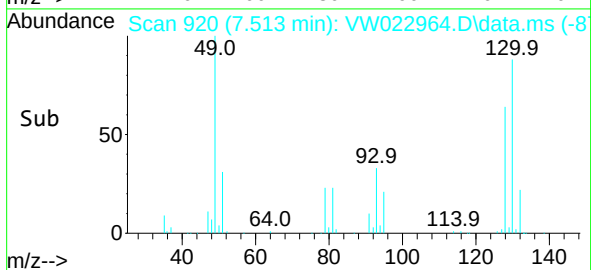
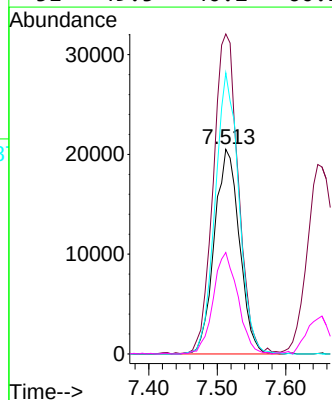
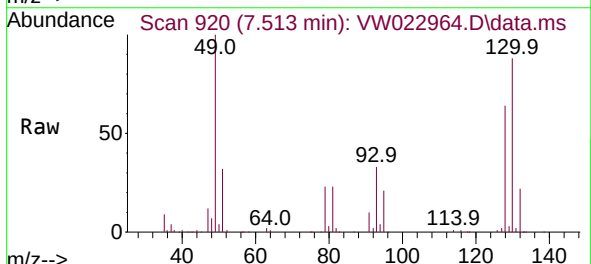
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

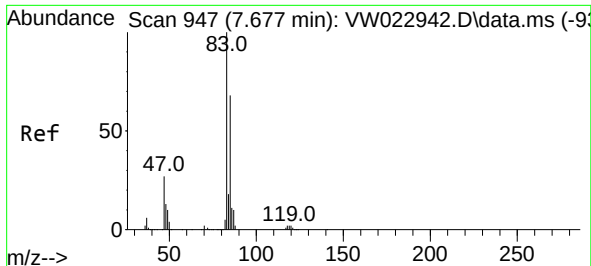
Tgt Ion: 43 Resp: 64489
Ion Ratio Lower Upper
43 100
72 30.7 15.1 45.3



#23
Bromochloromethane
Concen: 23.731 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 128 Resp: 52067
Ion Ratio Lower Upper
128 100
49 156.4 110.0 204.4
130 137.3 94.8 176.0
51 49.5 40.2 60.2

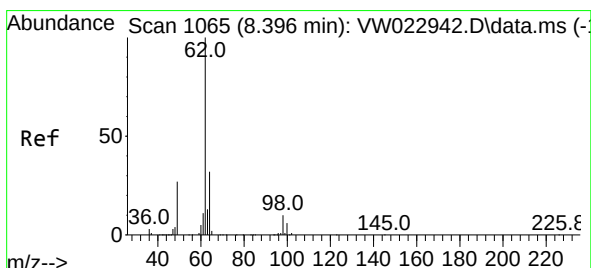
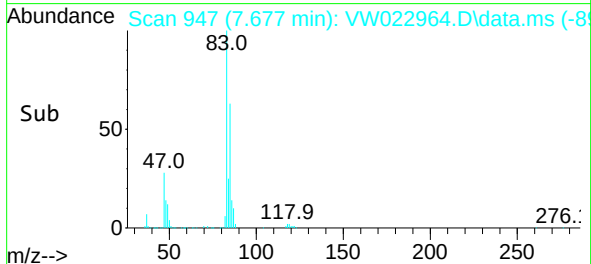
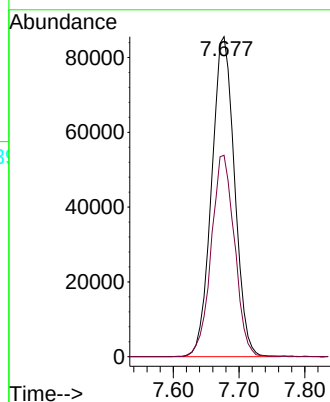
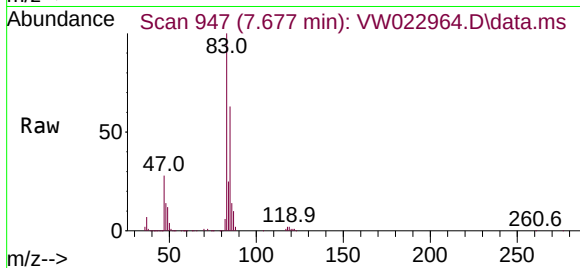




#25
Chloroform
Concen: 25.426 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

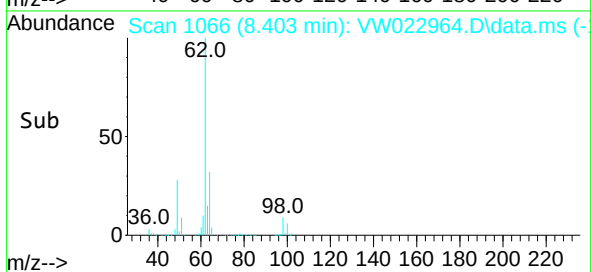
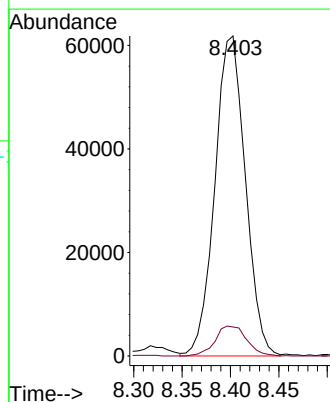
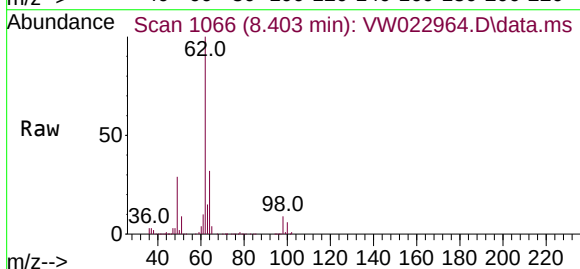
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

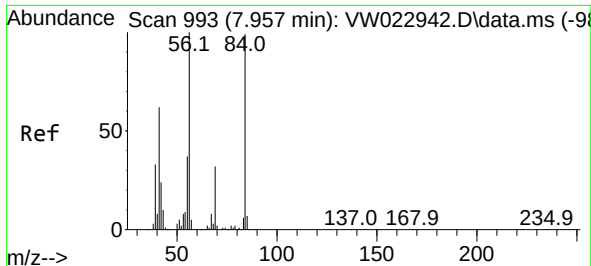
Tgt Ion: 83 Resp: 207839
Ion Ratio Lower Upper
83 100
85 62.9 46.6 86.6



#27
1,2-Dichloroethane
Concen: 24.901 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 62 Resp: 135684
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8

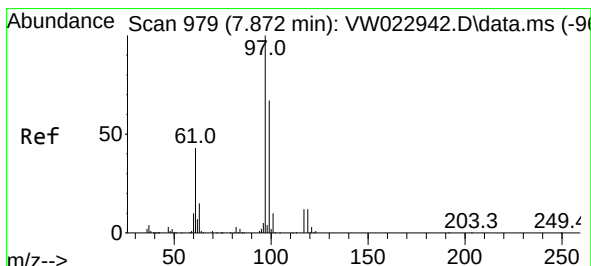
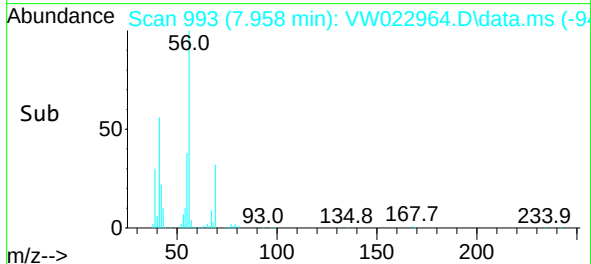
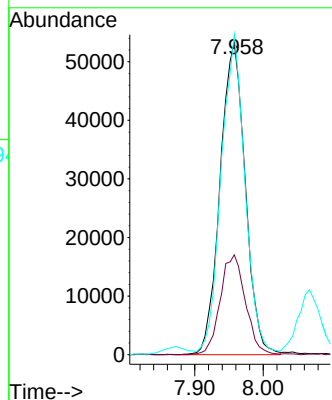
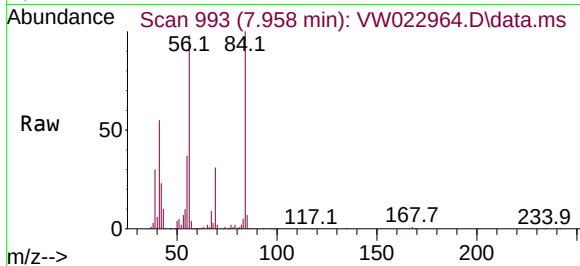




#29
Cyclohexane
Concen: 21.191 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

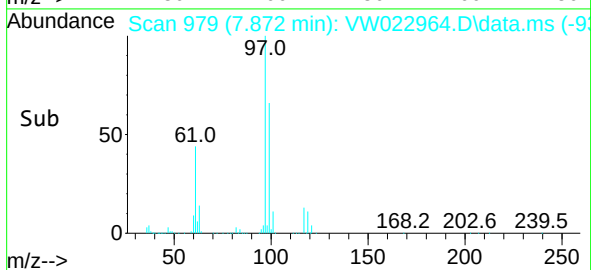
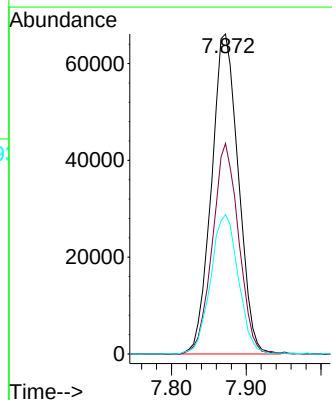
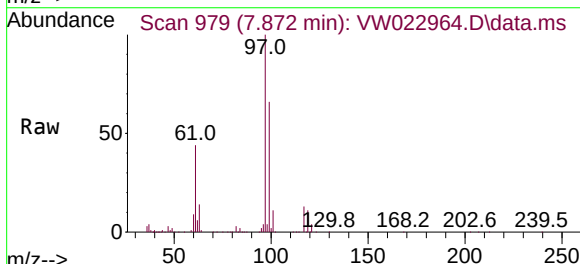
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

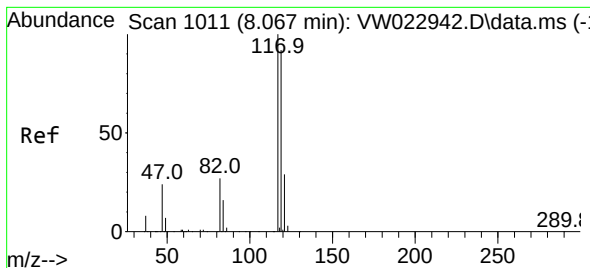
Tgt Ion: 56 Resp: 135610
Ion Ratio Lower Upper
56 100
69 32.0 25.6 38.4
84 97.5 78.2 117.4



#30
1,1,1-Trichloroethane
Concen: 23.681 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 97 Resp: 165592
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 44.7 34.8 52.2

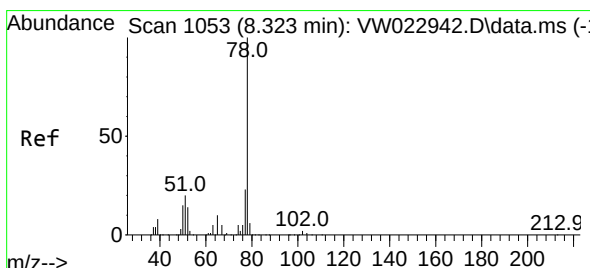
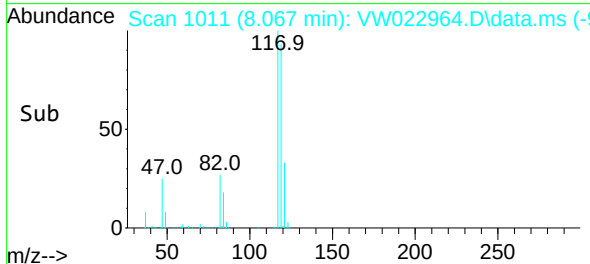
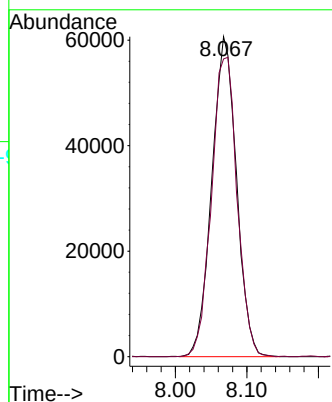
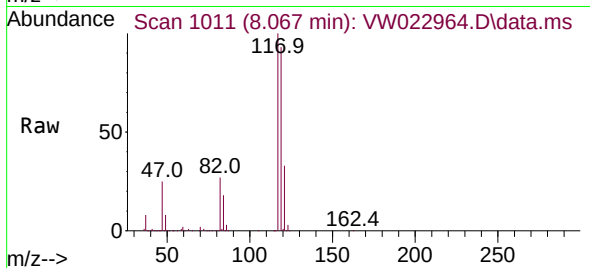




#31
Carbon tetrachloride
Concen: 22.218 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

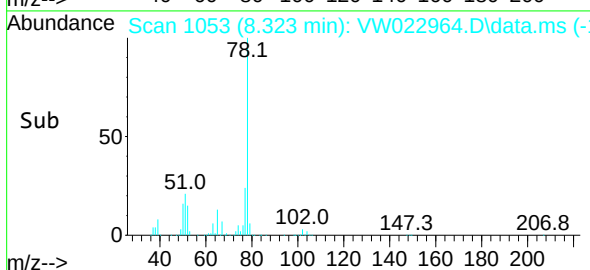
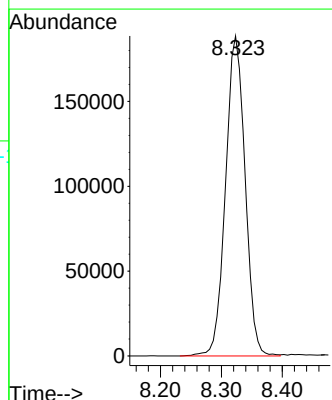
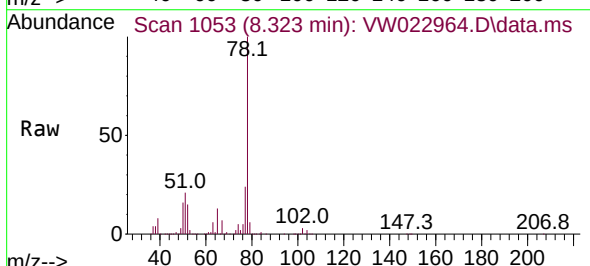
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

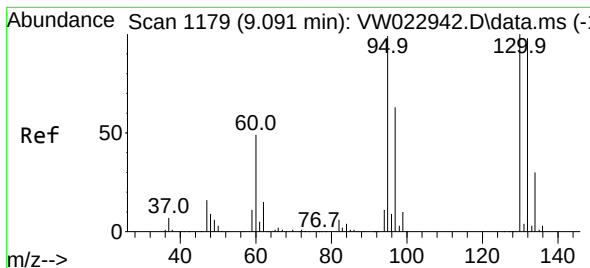
Tgt Ion:117 Resp: 145334
Ion Ratio Lower Upper
117 100
119 97.3 76.6 115.0



#33
Benzene
Concen: 24.091 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion: 78 Resp: 419938





#34

Trichloroethene

Concen: 23.088 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

Tgt Ion: 95 Resp: 110681

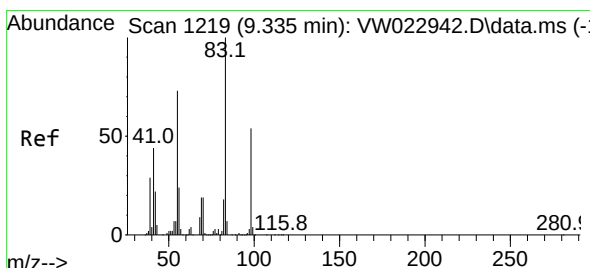
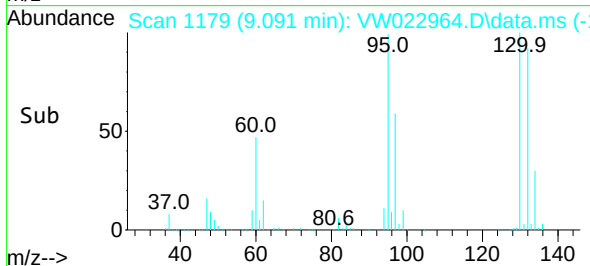
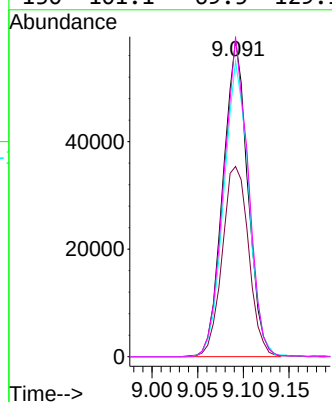
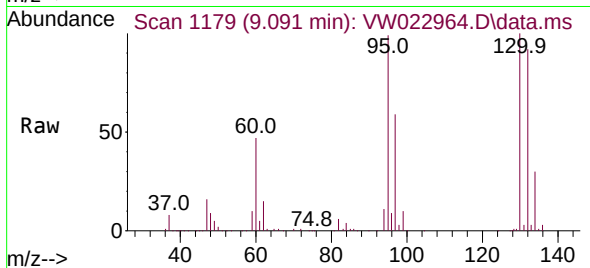
Ion Ratio Lower Upper

95 100

97 60.1 46.1 85.7

132 93.3 66.9 124.3

130 101.1 69.5 129.1



#35

Methylcyclohexane

Concen: 21.065 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

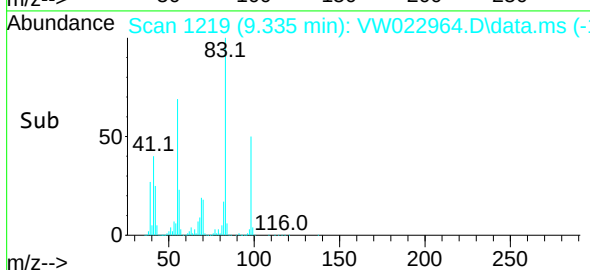
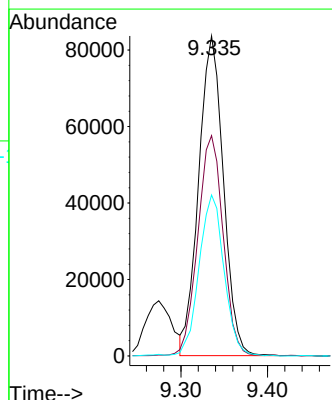
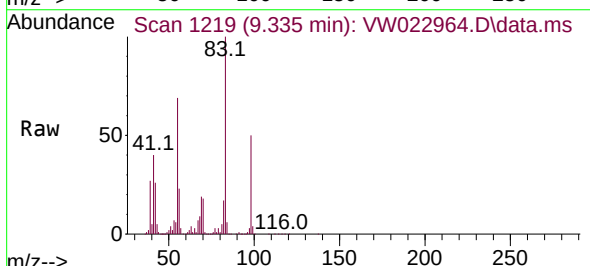
Tgt Ion: 83 Resp: 165895

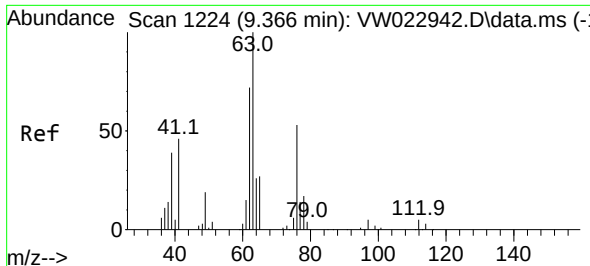
Ion Ratio Lower Upper

83 100

55 70.6 55.1 82.7

98 50.7 40.4 60.6





#37

1,2-Dichloropropane

Concen: 24.651 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

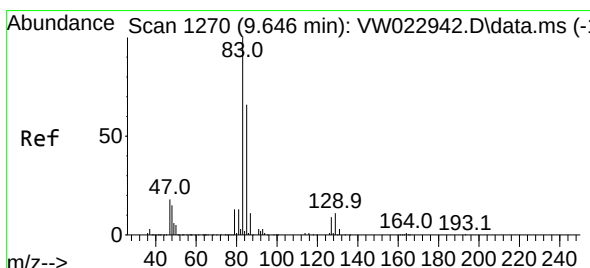
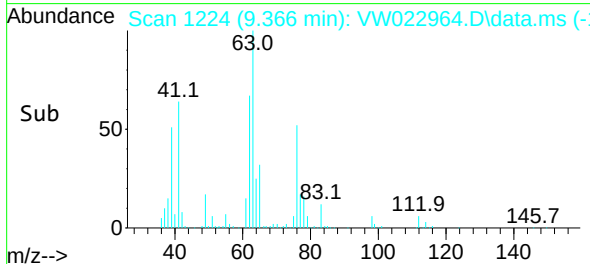
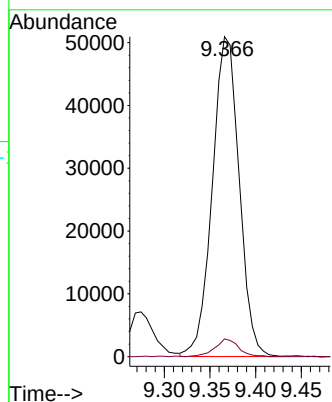
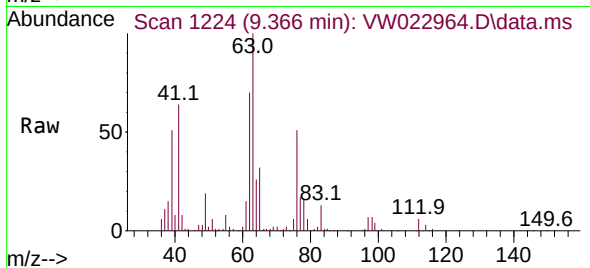
VSTD025525

Tgt Ion: 63 Resp: 103986

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 25.369 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

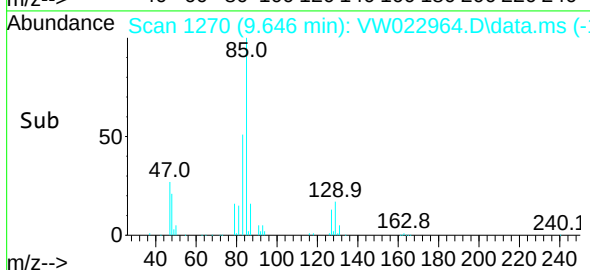
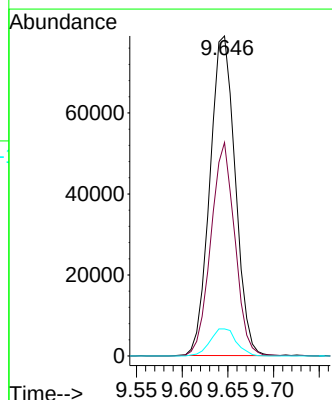
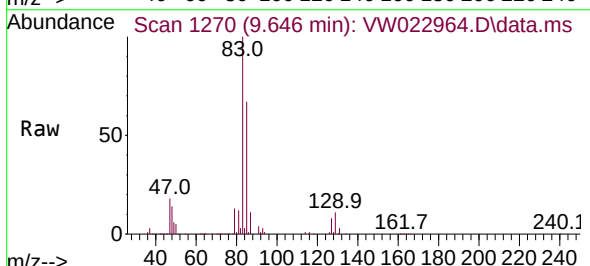
Tgt Ion: 83 Resp: 152004

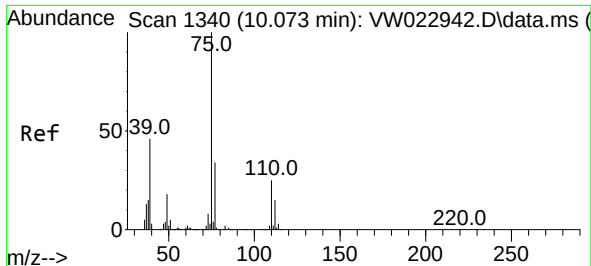
Ion Ratio Lower Upper

83 100

85 66.7 43.5 80.7

127 8.5 7.1 10.7

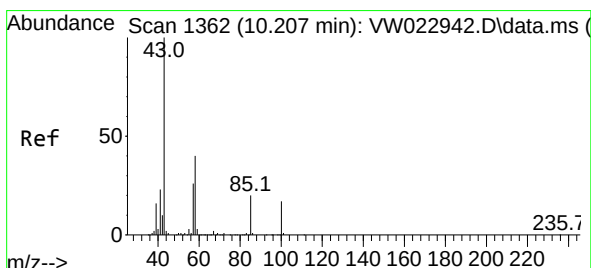
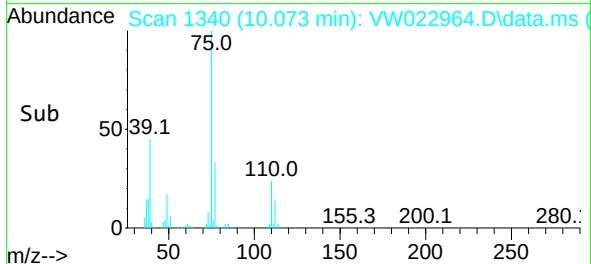
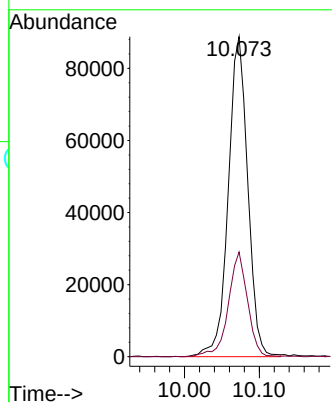
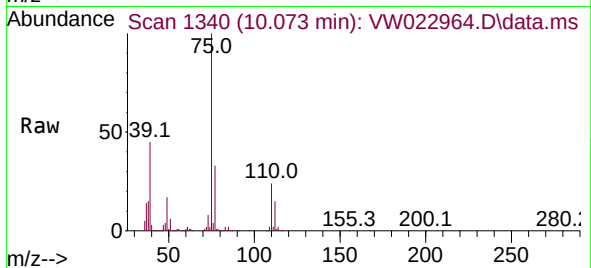




#39
 cis-1,3-Dichloropropene
 Concen: 24.575 ug/L
 RT: 10.073 min Scan# 1340
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

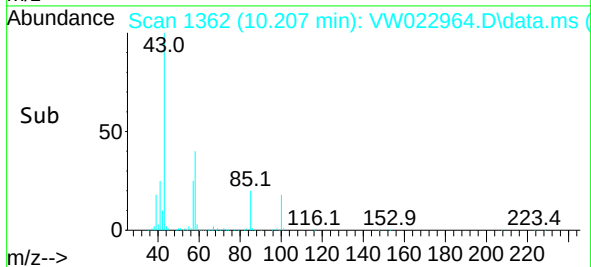
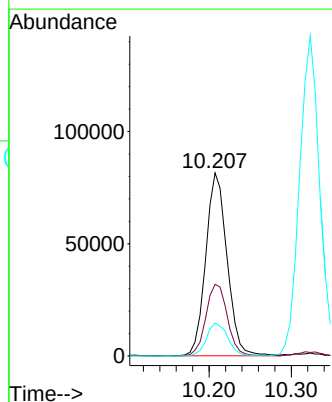
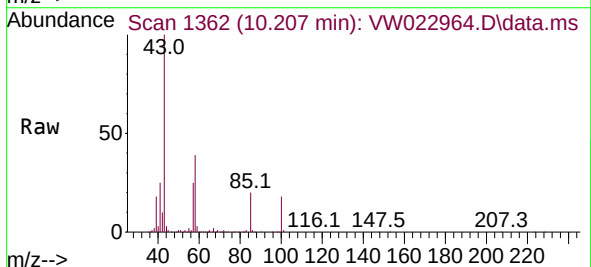
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025525

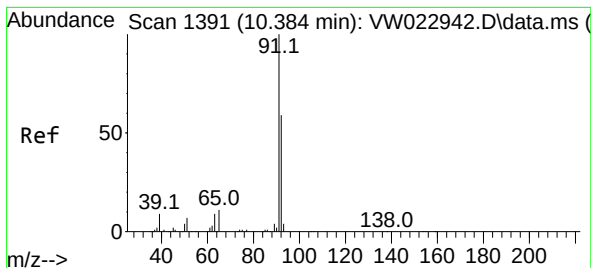
Tgt Ion: 75 Resp: 160741
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 55.185 ug/L
 RT: 10.207 min Scan# 1362
 Delta R.T. 0.000 min
 Lab File: VW022964.D
 Acq: 10 May 2022 18:37

Tgt Ion: 43 Resp: 146729
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.4 47.2
 100 18.0 14.2 21.4





#42

Toluene

Concen: 24.253 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

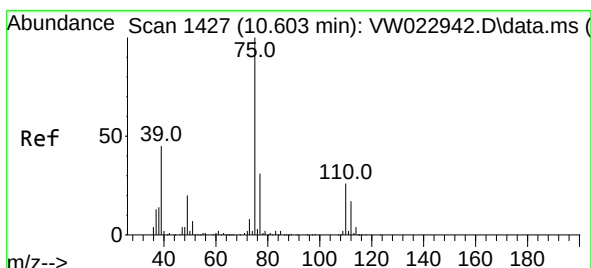
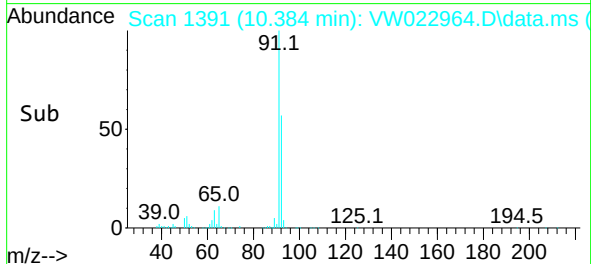
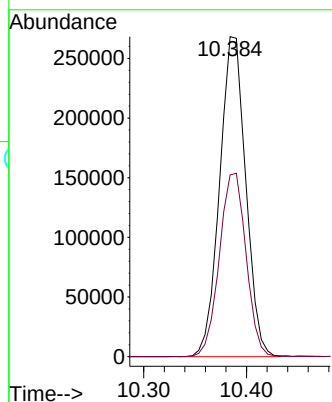
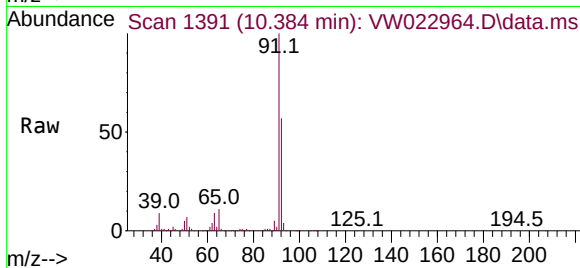
VSTD025525

Tgt Ion: 91 Resp: 473805

Ion Ratio Lower Upper

91 100

92 56.8 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 25.442 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW022964.D

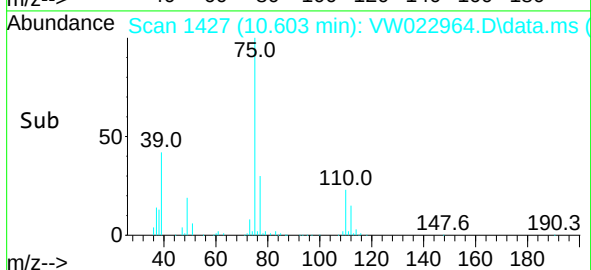
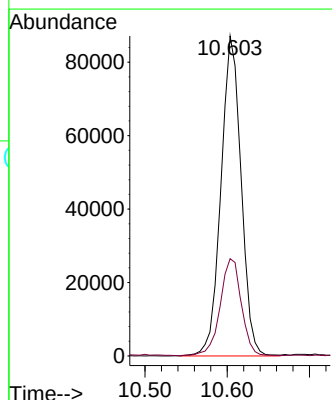
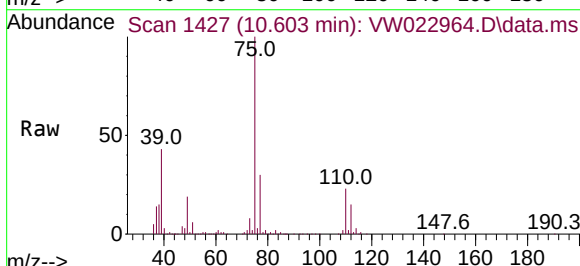
Acq: 10 May 2022 18:37

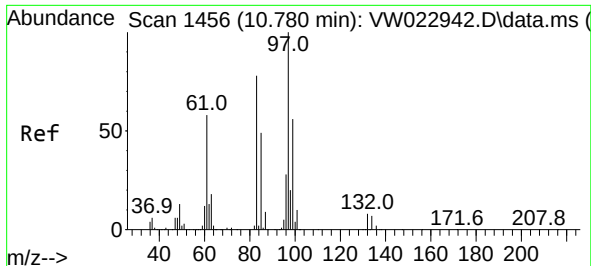
Tgt Ion: 75 Resp: 148538

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 26.250 ug/L

RT: 10.786 min Scan# 1456

Delta R.T. 0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

Tgt Ion: 97 Resp: 92568

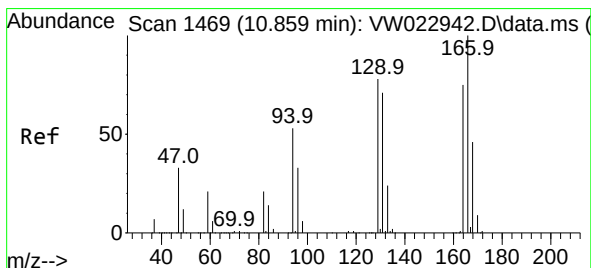
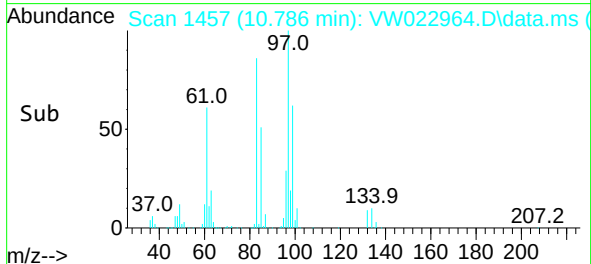
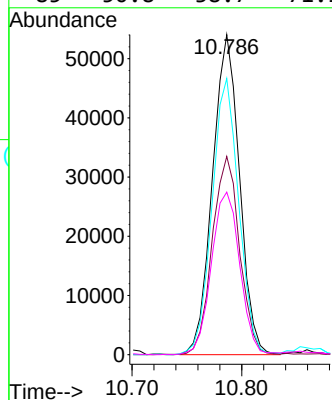
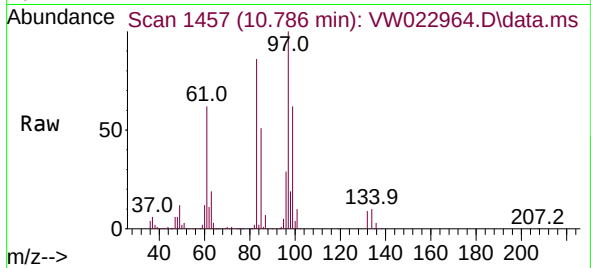
Ion Ratio Lower Upper

97 100

99 61.9 44.7 82.9

83 86.3 58.4 108.4

85 50.8 38.7 71.9



#46

Tetrachloroethene

Concen: 22.623 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Tgt Ion:164 Resp: 81504

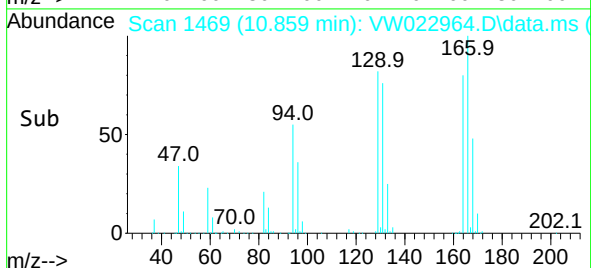
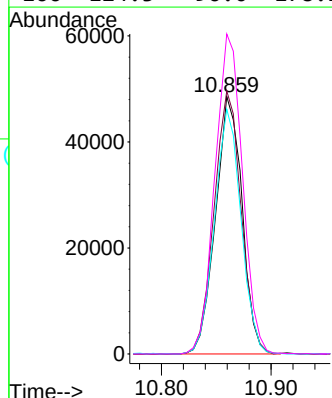
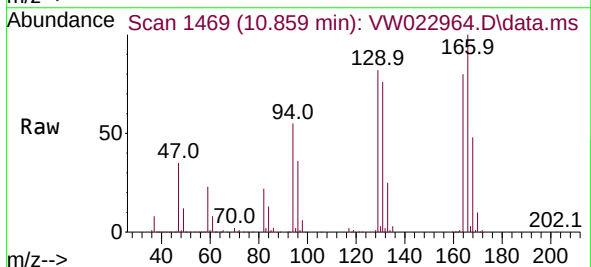
Ion Ratio Lower Upper

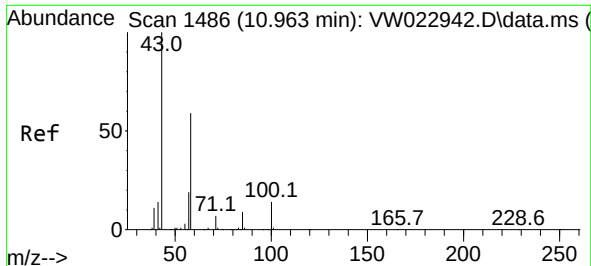
164 100

129 102.2 76.9 142.7

131 95.1 75.1 139.5

166 124.3 96.0 178.2

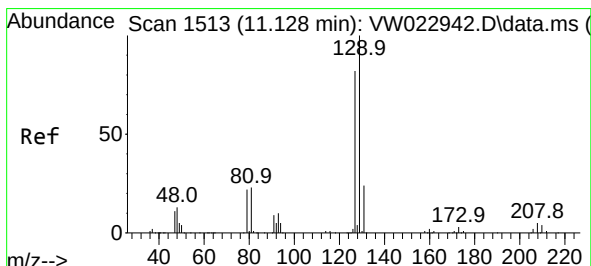
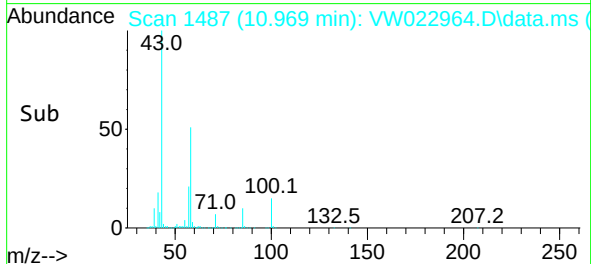
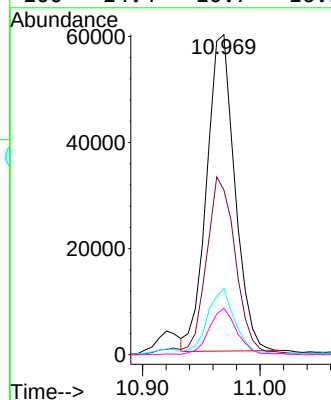
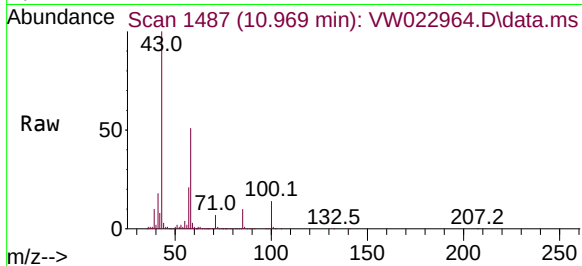




#48
2-Hexanone
Concen: 55.900 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

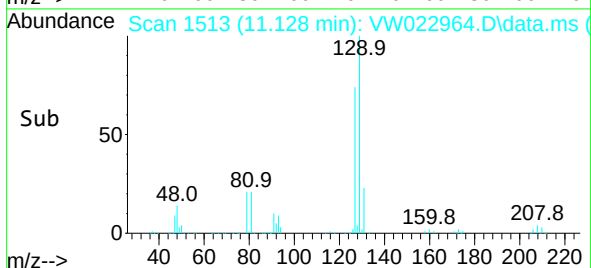
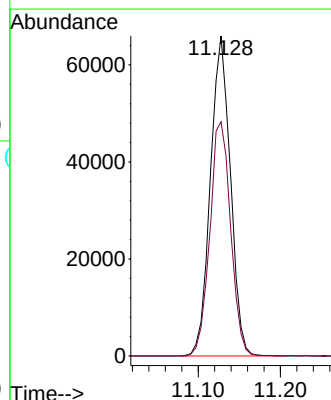
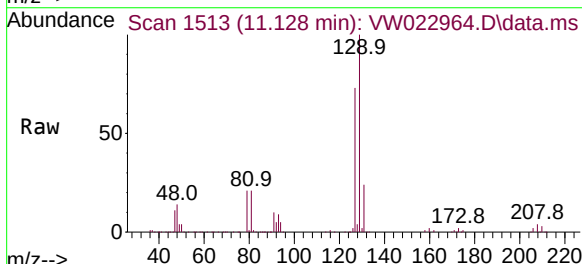
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

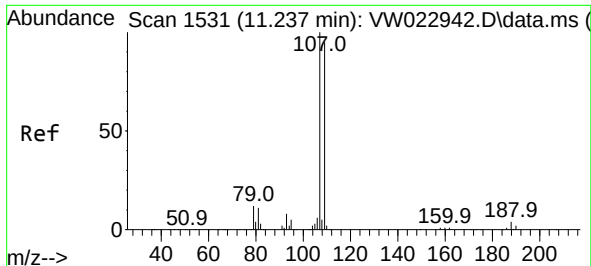
Tgt Ion: 43 Resp: 99308
Ion Ratio Lower Upper
43 100
58 57.4 45.9 68.9
57 20.8 16.2 24.2
100 14.4 10.7 16.1



#49
Dibromochloromethane
Concen: 26.268 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion:129 Resp: 111488
Ion Ratio Lower Upper
129 100
127 73.2 53.8 100.0





#50

1,2-Dibromoethane

Concen: 25.325 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

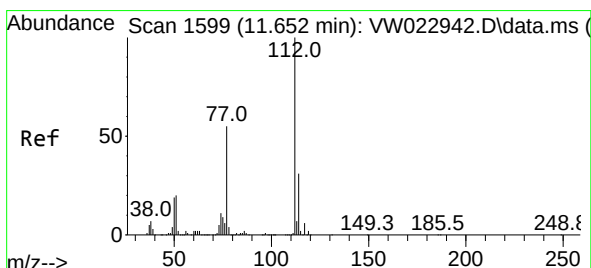
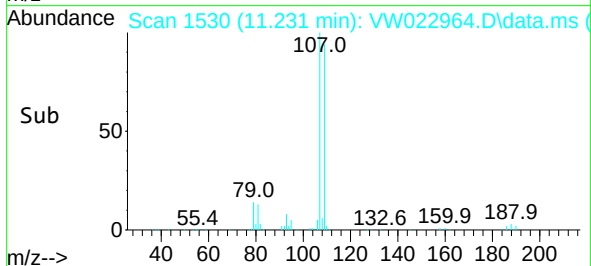
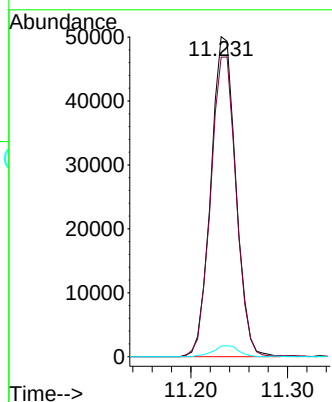
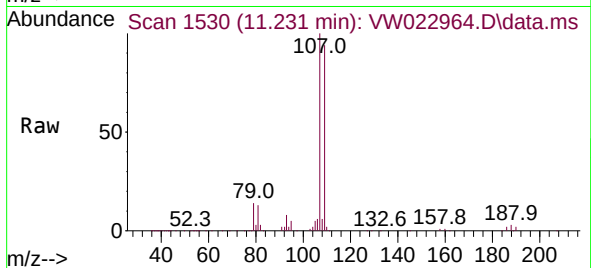
Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

Tgt Ion:	107	Resp:	89675
Ion	Ratio	Lower	Upper
107	100		
109	93.6	67.5	125.4
188	3.6	2.9	4.3



#51

Chlorobenzene

Concen: 25.395 ug/L

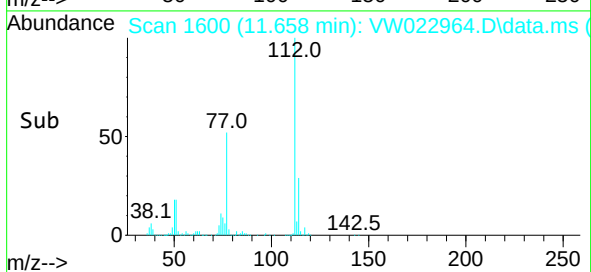
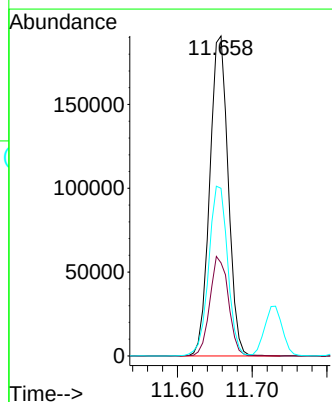
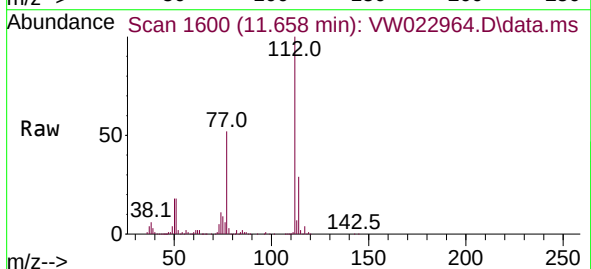
RT: 11.658 min Scan# 1600

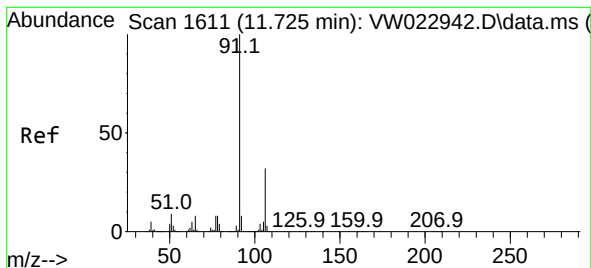
Delta R.T. 0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Tgt Ion:	112	Resp:	327063
Ion	Ratio	Lower	Upper
112	100		
114	29.1	22.0	41.0
77	52.4	42.6	63.8





#52

Ethylbenzene

Concen: 24.819 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

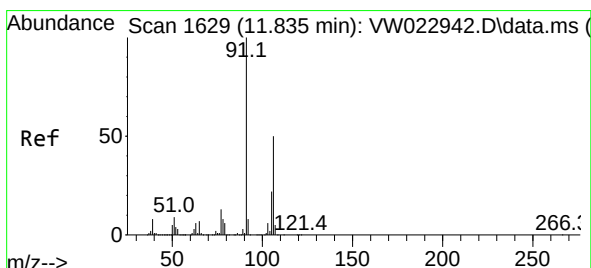
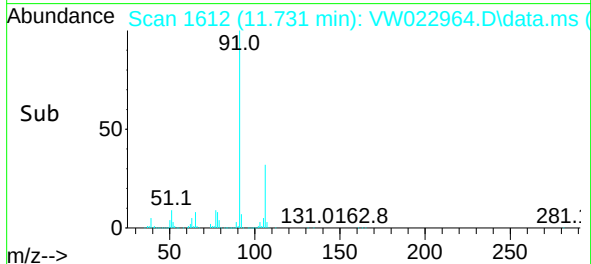
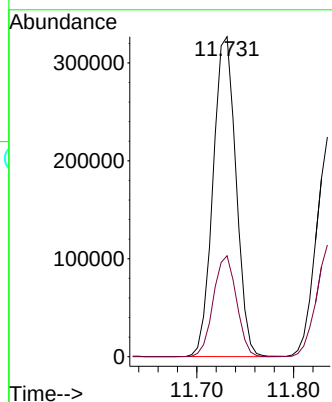
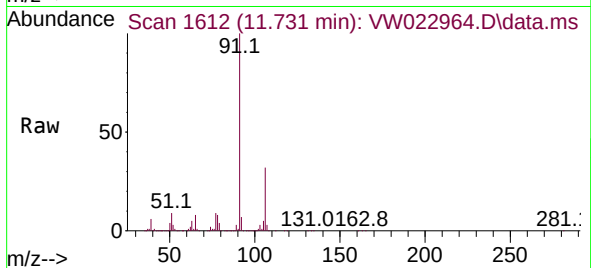
VSTD025525

Tgt Ion: 91 Resp: 539406

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.3



#53

m,p-Xylene

Concen: 24.979 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW022964.D

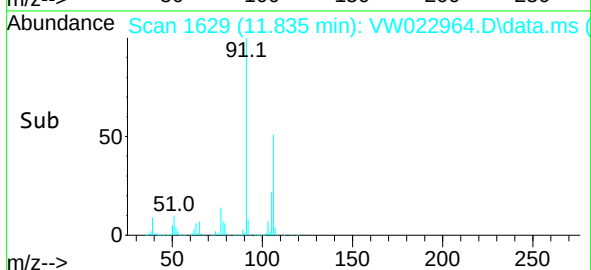
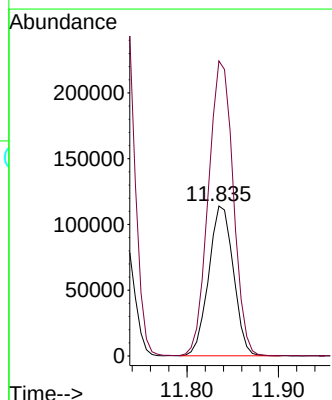
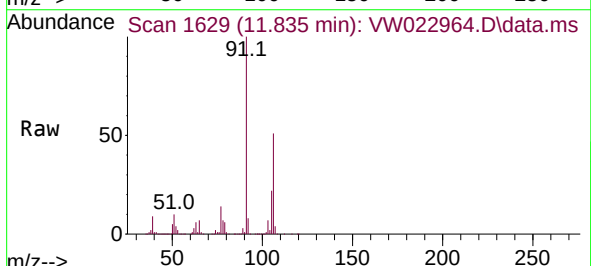
Acq: 10 May 2022 18:37

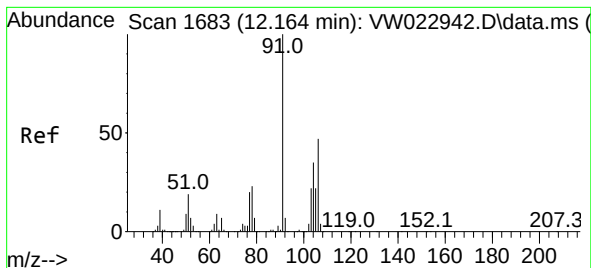
Tgt Ion:106 Resp: 213913

Ion Ratio Lower Upper

106 100

91 196.7 136.8 254.0





#54

o-Xylene

Concen: 25.255 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

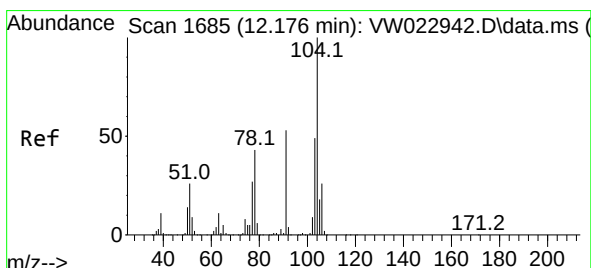
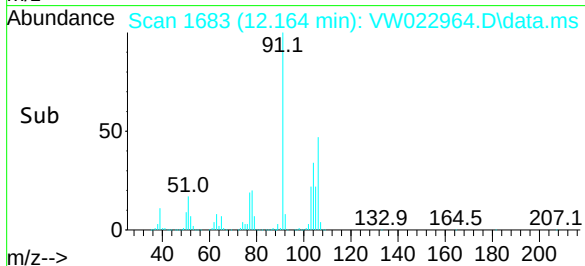
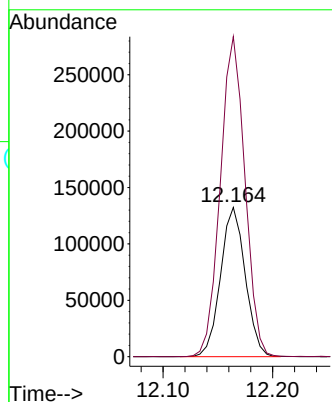
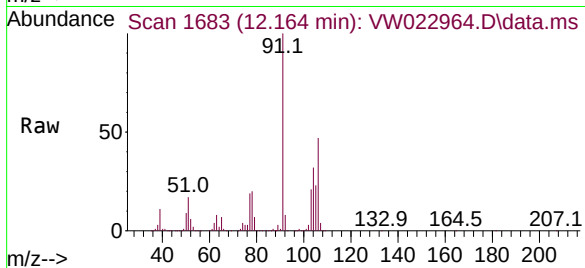
VSTD025525

Tgt Ion:106 Resp: 207542

Ion Ratio Lower Upper

106 100

91 214.3 147.2 273.4



#55

Styrene

Concen: 25.956 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW022964.D

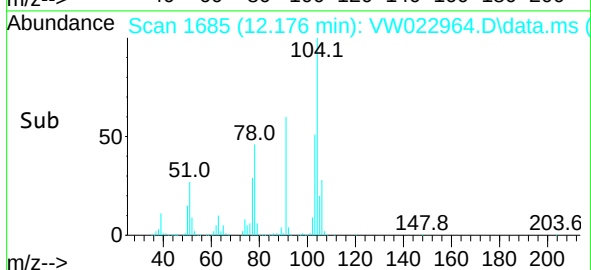
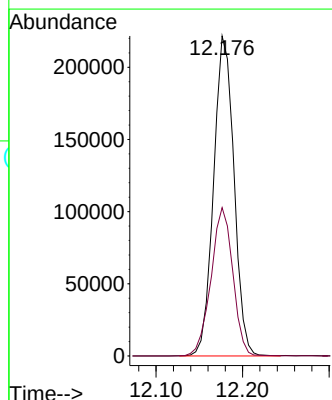
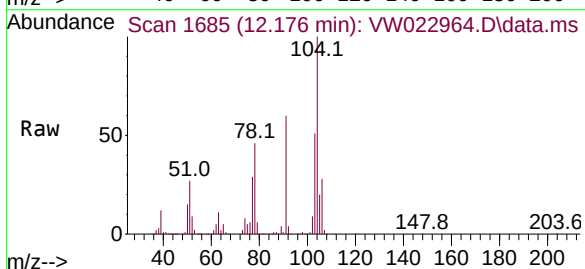
Acq: 10 May 2022 18:37

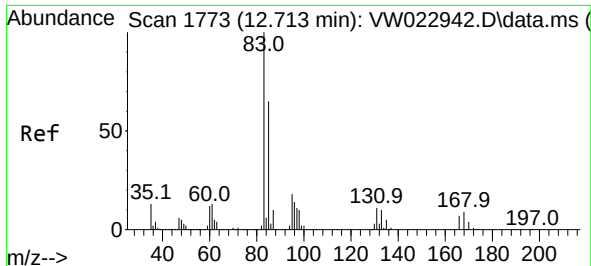
Tgt Ion:104 Resp: 362447

Ion Ratio Lower Upper

104 100

78 46.3 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 27.441 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

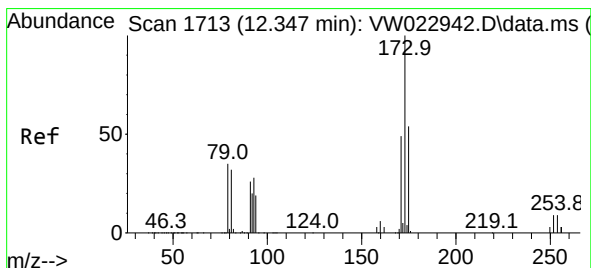
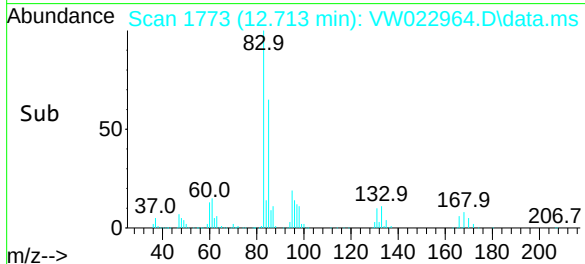
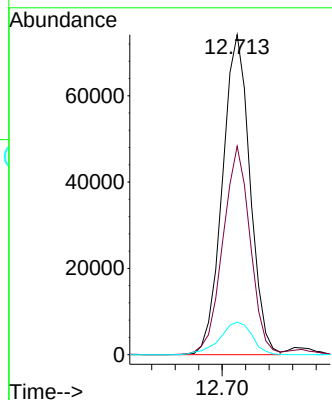
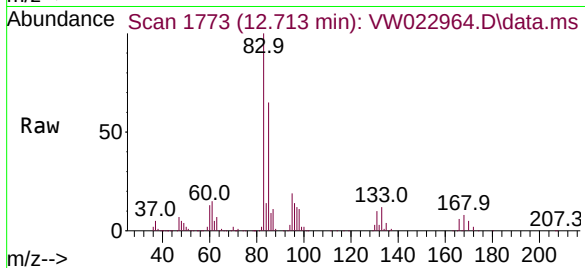
Tgt Ion: 83 Resp: 120868

Ion Ratio Lower Upper

83 100

85 65.1 47.5 88.1

131 10.2 8.7 13.1



#59

Bromoform

Concen: 24.474 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

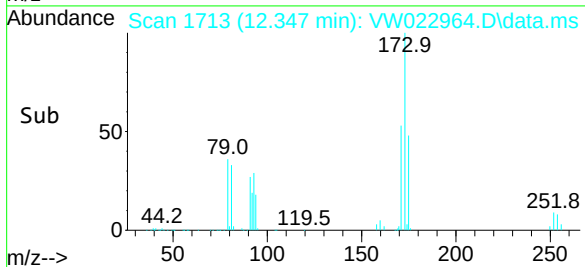
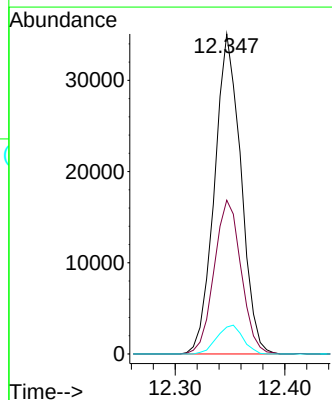
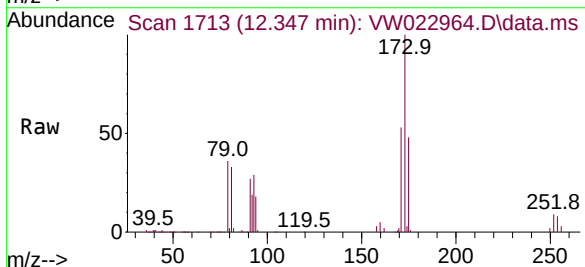
Tgt Ion: 173 Resp: 58639

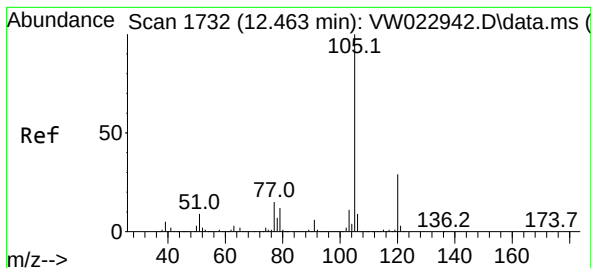
Ion Ratio Lower Upper

173 100

175 49.1 38.1 57.1

254 8.9 6.5 9.7





#60

Isopropylbenzene

Concen: 24.624 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

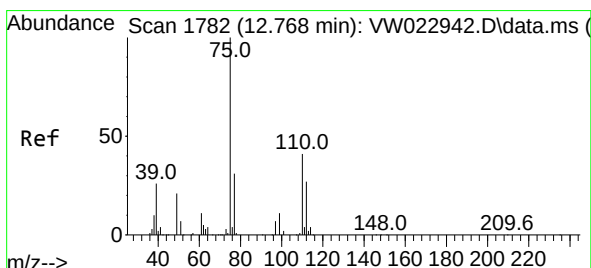
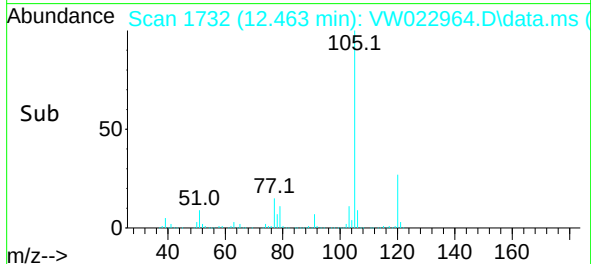
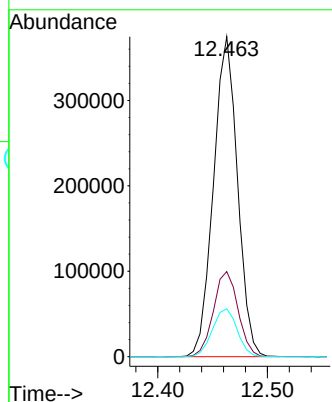
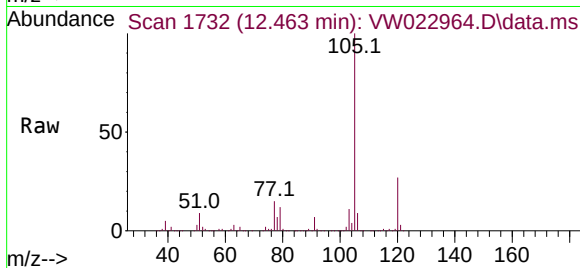
Tgt Ion:105 Resp: 570316

Ion Ratio Lower Upper

105 100

120 27.2 21.3 31.9

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 25.797 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

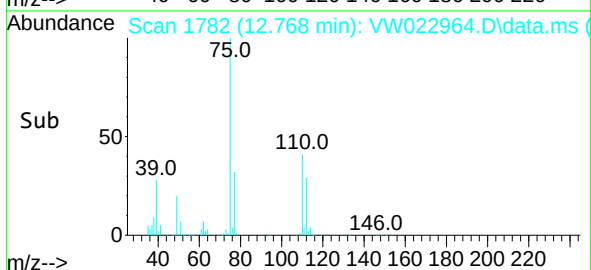
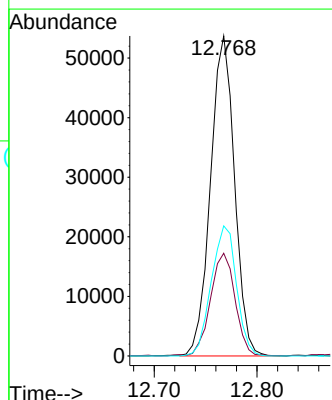
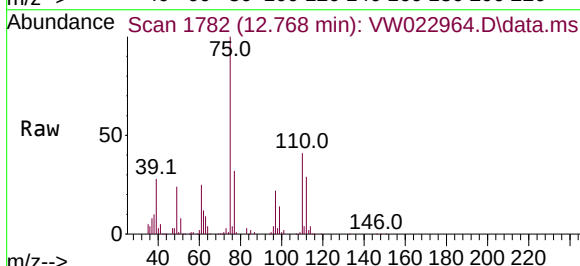
Tgt Ion: 75 Resp: 87146

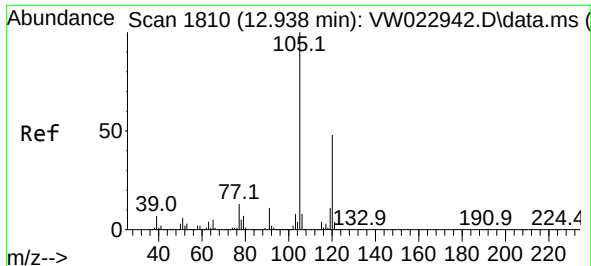
Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

110 42.6 34.1 51.1

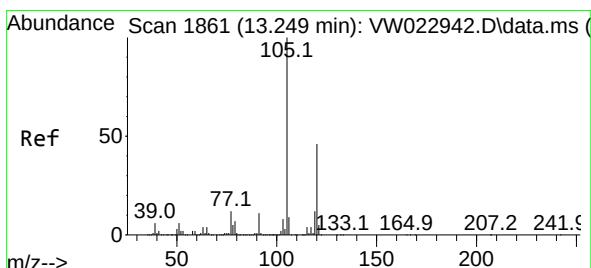
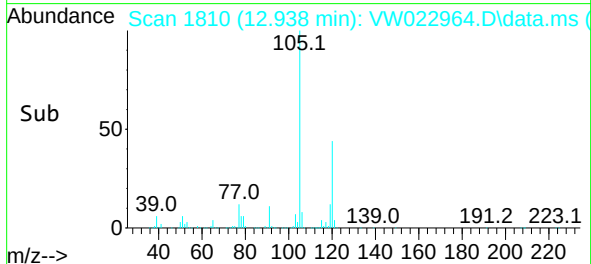
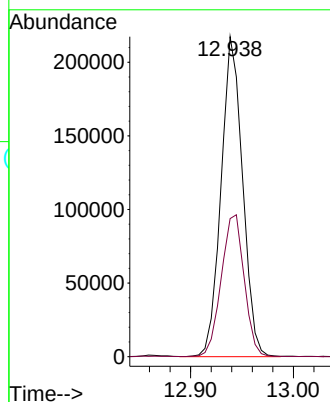
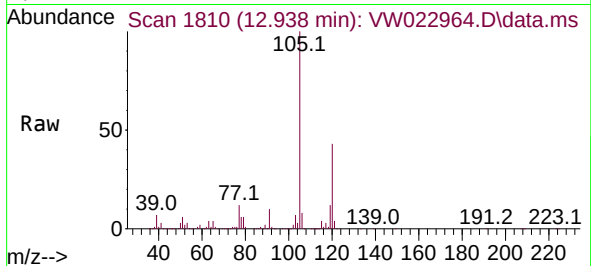




#62
1,3,5-Trimethylbenzene
Concen: 24.487 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

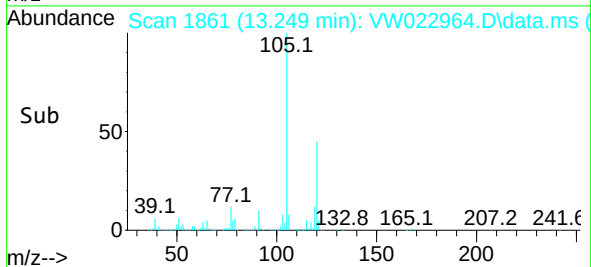
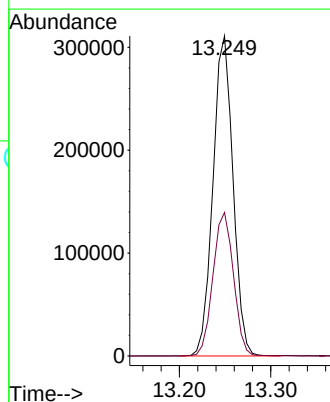
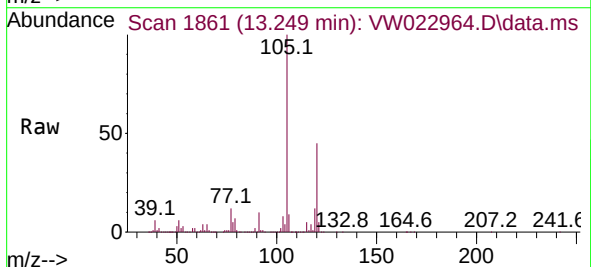
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

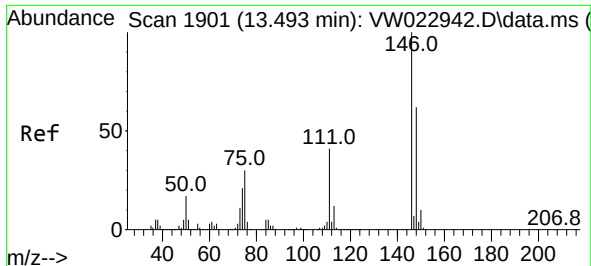
Tgt Ion:105 Resp: 315533
Ion Ratio Lower Upper
105 100
120 47.3 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 24.474 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion:105 Resp: 473516
Ion Ratio Lower Upper
105 100
120 45.9 37.4 56.2

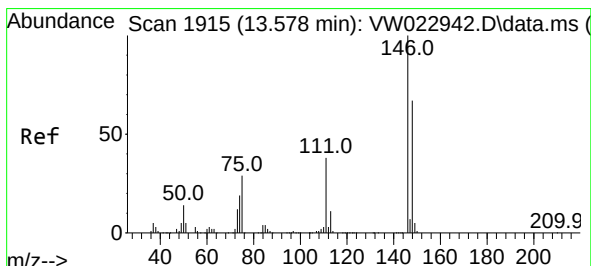
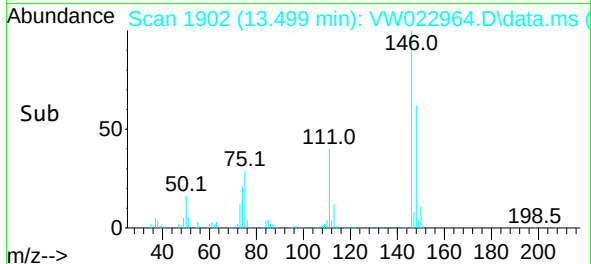
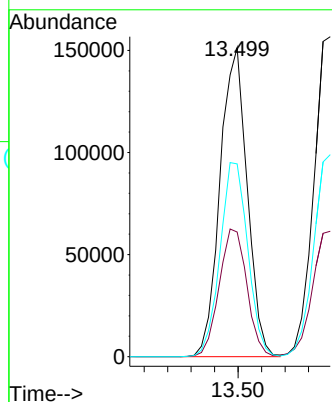
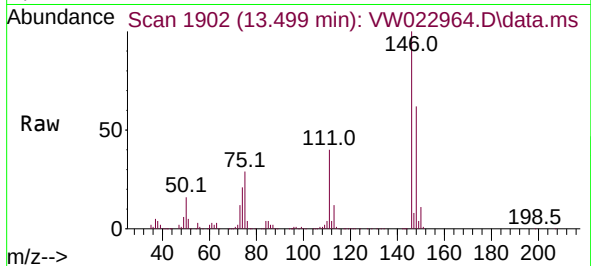




#64
1,3-Dichlorobenzene
Concen: 23.481 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

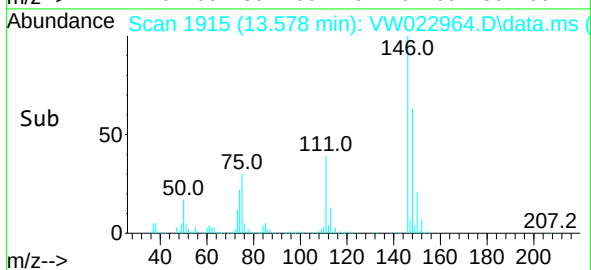
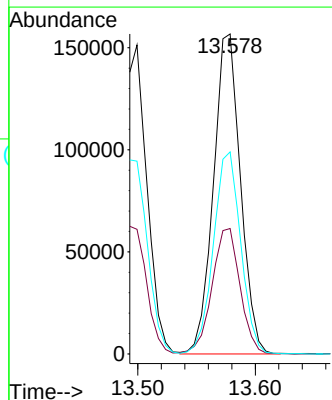
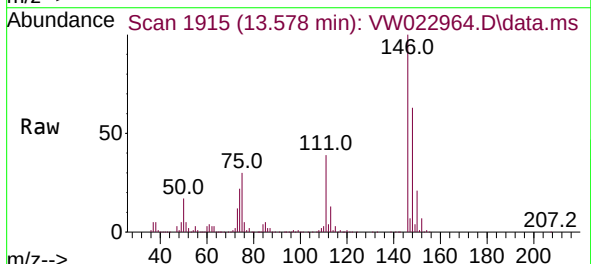
Instrument :
MSVOA_W
ClientSampleId :
VSTD025525

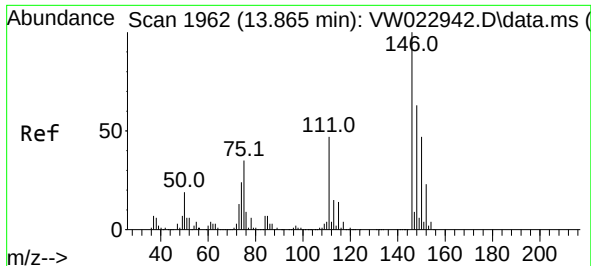
Tgt Ion:146 Resp: 242810
Ion Ratio Lower Upper
146 100
111 40.4 29.5 54.9
148 62.4 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 23.484 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW022964.D
Acq: 10 May 2022 18:37

Tgt Ion:146 Resp: 250830
Ion Ratio Lower Upper
146 100
111 39.2 27.2 50.4
148 63.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 25.306 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

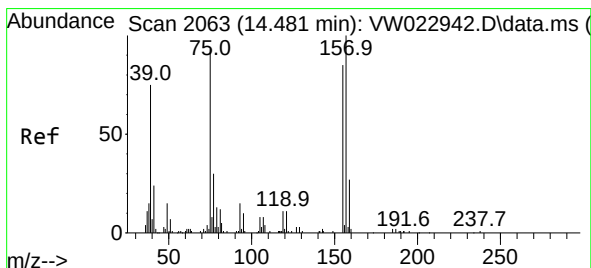
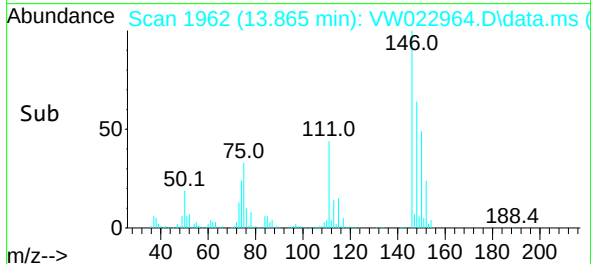
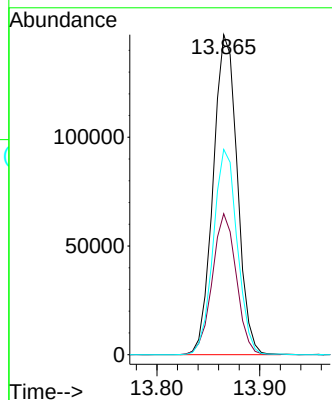
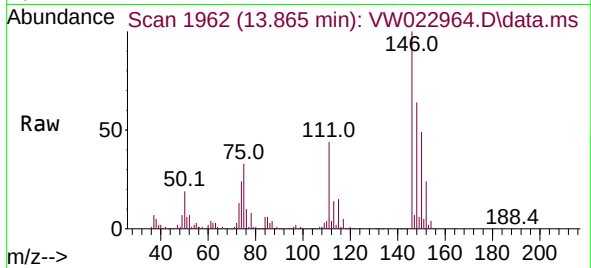
Tgt Ion:146 Resp: 239462

Ion Ratio Lower Upper

146 100

111 44.1 35.7 53.5

148 64.2 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.796 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

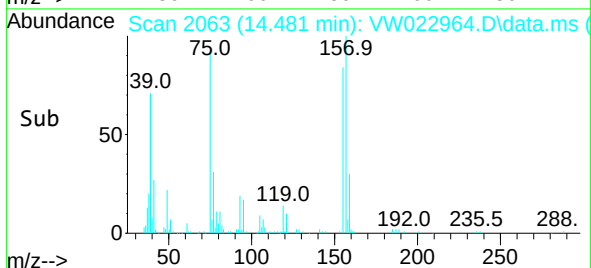
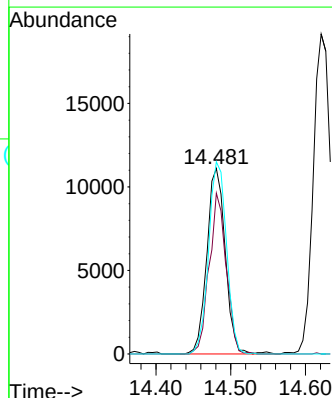
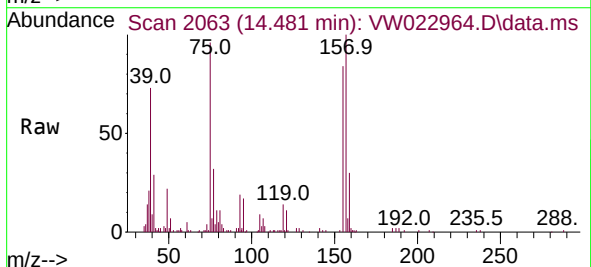
Tgt Ion: 75 Resp: 19045

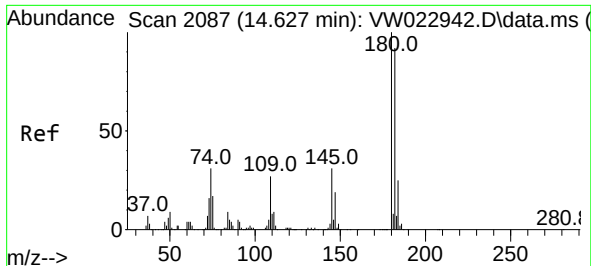
Ion Ratio Lower Upper

75 100

155 86.7 59.3 88.9

157 103.6 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 22.215 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

Tgt Ion:180 Resp: 152489

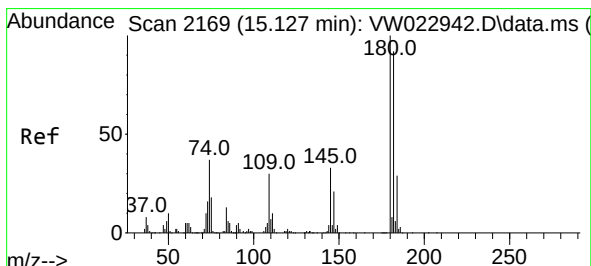
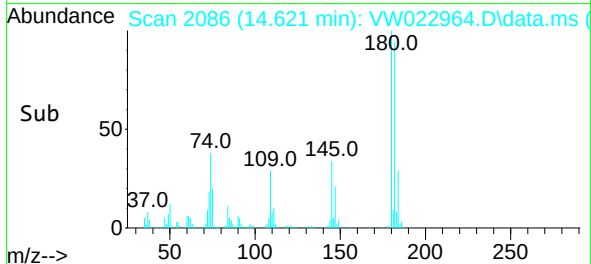
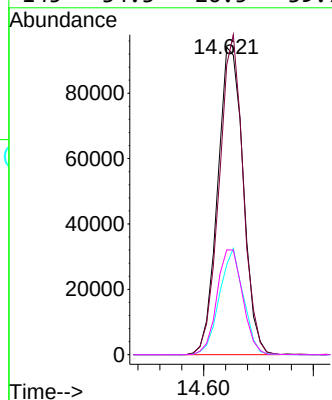
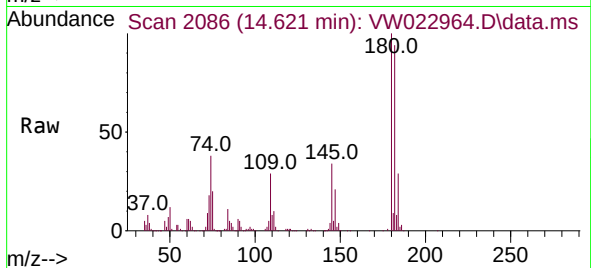
Ion Ratio Lower Upper

180 100

182 97.3 74.8 112.2

184 32.2 23.4 35.2

145 34.3 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 23.047 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

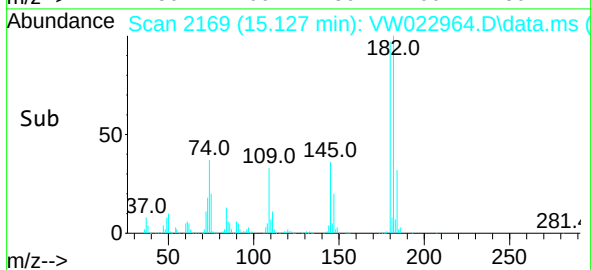
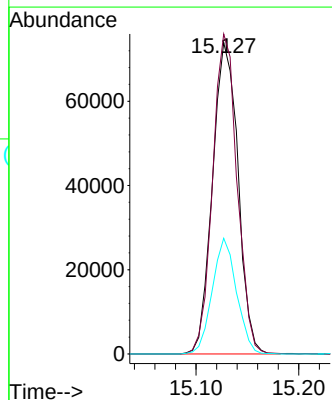
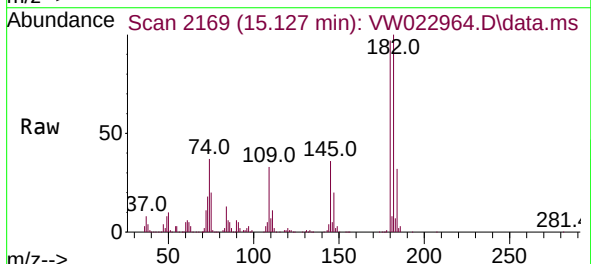
Tgt Ion:180 Resp: 127257

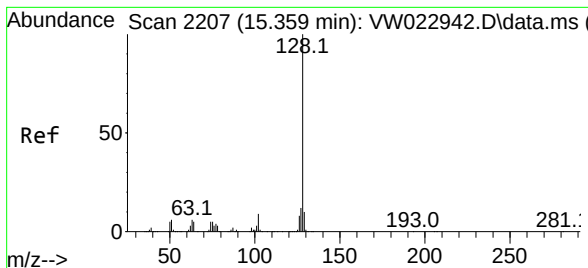
Ion Ratio Lower Upper

180 100

182 98.8 74.9 112.3

145 35.4 26.6 39.8





#71

Naphthalene

Concen: 26.965 ug/L

RT: 15.365 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD025525

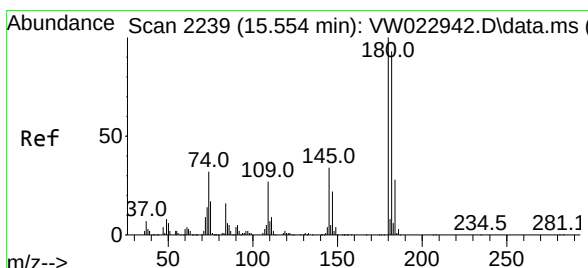
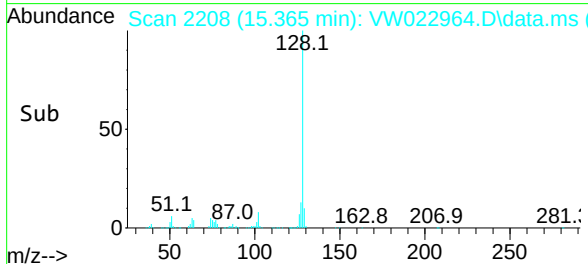
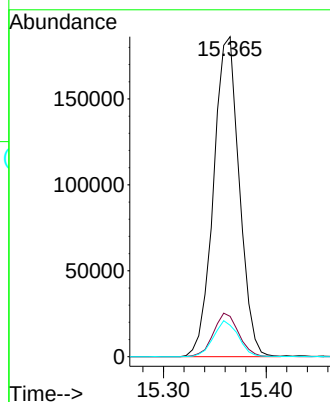
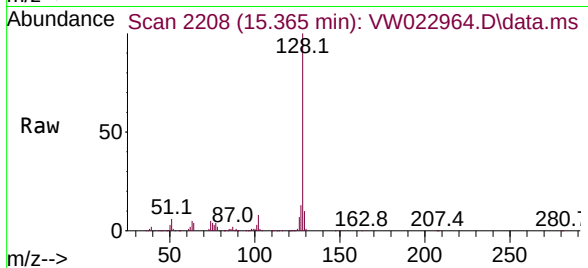
Tgt Ion:128 Resp: 323608

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.883 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW022964.D

Acq: 10 May 2022 18:37

Tgt Ion:180 Resp: 121770

Ion Ratio Lower Upper

180 100

182 95.0 73.5 110.3

145 35.2 27.9 41.9

