

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071322\
 Data File : VW023644.D
 Acq On : 13 Jul 2022 12:55
 Operator : SY/VA
 Sample : VSTD05053
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050453

Quant Time: Jul 14 01:27:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 14 01:25:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	239797	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	261009	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	160905	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	343334	56.336	ug/L	0.00
7) Chloroethane-d5	2.879	69	222580	54.927	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	258714	52.038	ug/L	0.00
21) 2-Butanone-d5	7.080	46	94400	101.762	ug/L	0.00
24) Chloroform-d	7.647	84	345113	49.432	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	217140	50.852	ug/L	0.00
32) Benzene-d6	8.275	84	708146	52.192	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.275	67	198487	48.566	ug/L	0.00
41) Toluene-d8	10.323	98	754291	54.808	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	105691	55.171	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	94739	110.238	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.689	84	237035	52.481	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	272411	47.426	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.008	85	92711	57.304	ug/L	98
3) Chloromethane	2.215	50	179654	45.019	ug/L	98
5) Vinyl chloride	2.355	62	313177	45.702	ug/L	98
6) Bromomethane	2.770	94	181954	41.051	ug/L	99
8) Chloroethane	2.916	64	150777	47.031	ug/L	97
9) Trichlorofluoromethane	3.251	101	135190	43.401	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	134821	44.485	ug/L	99
12) 1,1-Dichloroethene	4.038	96	115160	45.466	ug/L	94
13) Acetone	4.123	43	51083	84.296	ug/L	96
14) Carbon disulfide	4.385	76	317232	42.425	ug/L	100
15) Methyl Acetate	4.672	43	64909	45.330	ug/L	97
16) Methylene chloride	4.922	84	136292	36.359	ug/L	96
17) trans-1,2-Dichloroethene	5.422	96	137477	44.576	ug/L	94
18) Methyl tert-butyl Ether	5.428	73	230364	48.455	ug/L	99
19) 1,1-Dichloroethane	6.214	63	259140	45.551	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	163750	47.888	ug/L #	89
22) 2-Butanone	7.171	43	99073	90.232	ug/L	99
23) Bromochloromethane	7.513	128	74678	45.497	ug/L	93
25) Chloroform	7.677	83	300161	45.798	ug/L	92
27) 1,2-Dichloroethane	8.397	62	230057	47.694	ug/L	98
29) Cyclohexane	7.952	56	225829	47.307	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	248256	43.928	ug/L	99
31) Carbon tetrachloride	8.067	117	230850	45.314	ug/L	99
33) Benzene	8.323	78	685483	46.215	ug/L	100
34) Trichloroethene	9.092	95	172113	43.943	ug/L	88
35) Methylcyclohexane	9.335	83	283452	47.525	ug/L	97
37) 1,2-Dichloropropane	9.366	63	169192	45.499	ug/L	98
38) Bromodichloromethane	9.646	83	247695	47.727	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	277898	49.582	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	252237	97.478	ug/L	98
42) Toluene	10.390	91	841861	49.768	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	277548	52.101	ug/L	99

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 Response via : Initial Calibration

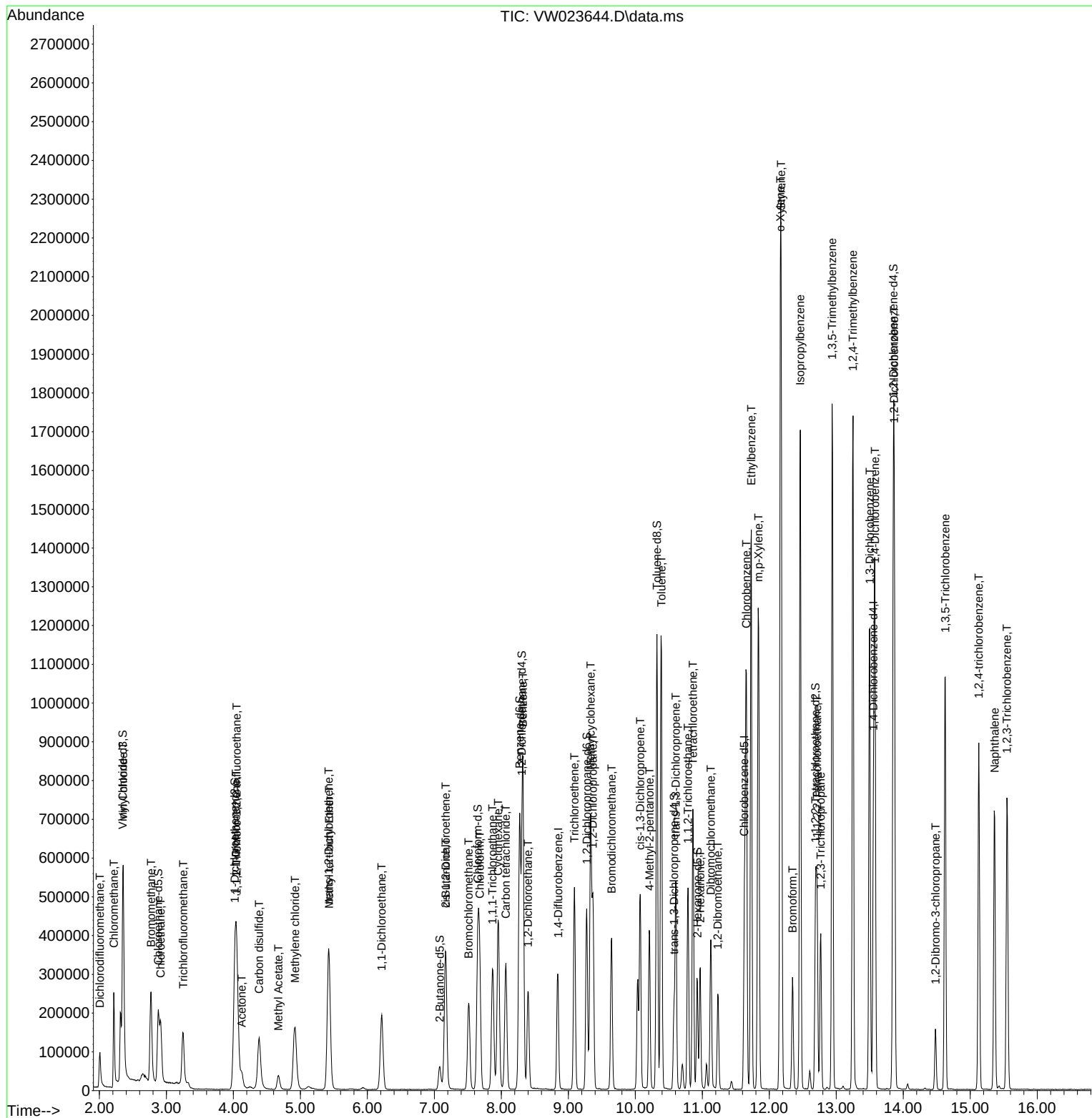
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	153553	47.226	ug/L	98
46) Tetrachloroethene	10.860	164	138435	45.710	ug/L	95
48) 2-Hexanone	10.969	43	194115	104.857	ug/L	99
49) Dibromochloromethane	11.128	129	188027	49.865	ug/L	96
50) 1,2-Dibromoethane	11.231	107	153141	49.024	ug/L	99
51) Chlorobenzene	11.658	112	553642	48.529	ug/L	97
52) Ethylbenzene	11.731	91	990957	51.553	ug/L	97
53) m,p-Xylene	11.841	106	396717	52.897	ug/L	95
54) o-Xylene	12.164	106	388472	53.936	ug/L	96
55) Styrene	12.176	104	703033	55.252	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	219931	49.589	ug/L	99
59) Bromoform	12.347	173	113746	47.941	ug/L	99
60) Isopropylbenzene	12.463	105	1057233	48.913	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	158976	45.059	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	906430	51.223	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	908670	51.360	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	464682	47.350	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	486788	46.624	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	440421	47.586	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	36224	44.515	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.627	180	296168	45.595	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	237922	47.435	ug/L	98
71) Naphthalene	15.365	128	582748	54.163	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	225789	48.296	ug/L	99

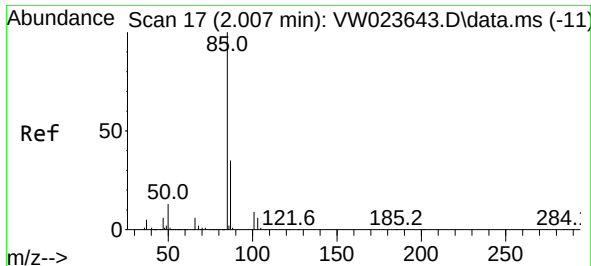
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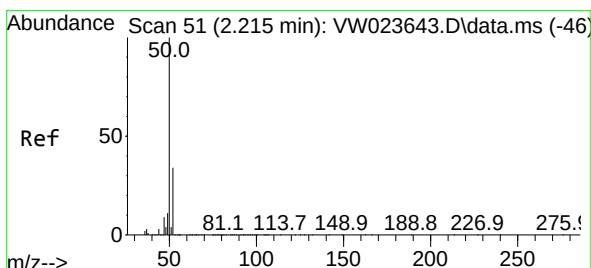
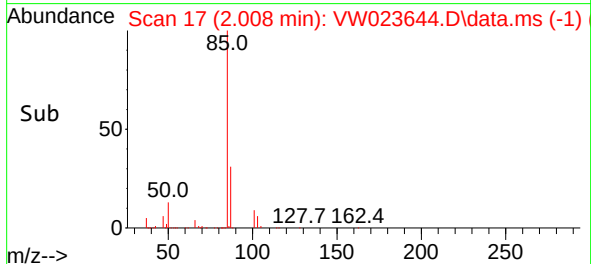
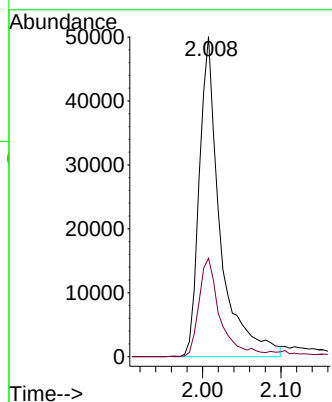
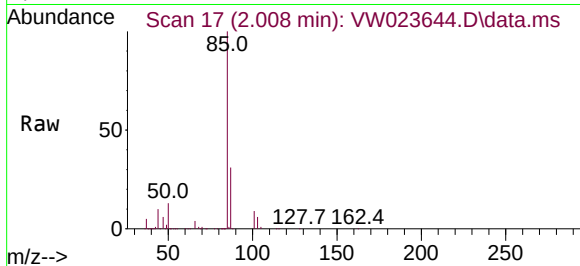




#2
Dichlorodifluoromethane
Concen: 57.304 ug/L
RT: 2.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

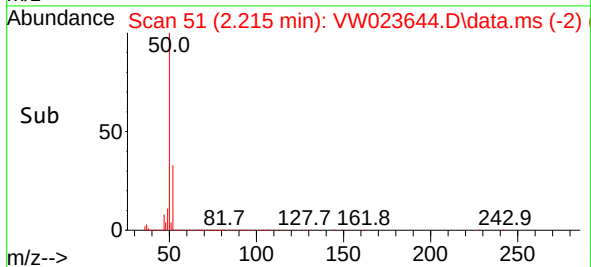
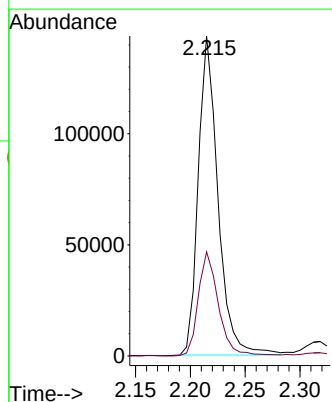
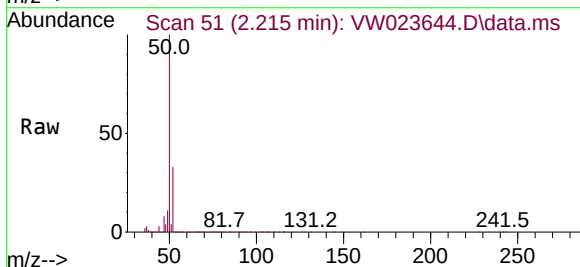
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MSVOA_W
ClientSampleId :
VSTD050453

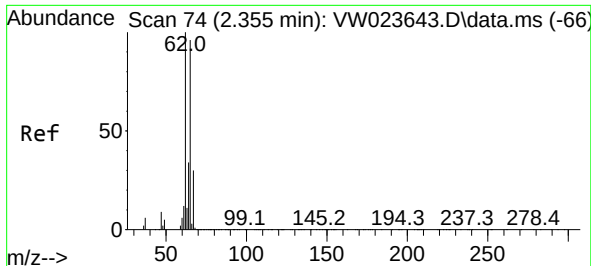
Tgt Ion: 85 Resp: 92711
Ion Ratio Lower Upper
85 100
87 29.6 24.7 37.1



#3
Chloromethane
Concen: 45.019 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 50 Resp: 179654
Ion Ratio Lower Upper
50 100
52 32.5 23.7 44.1

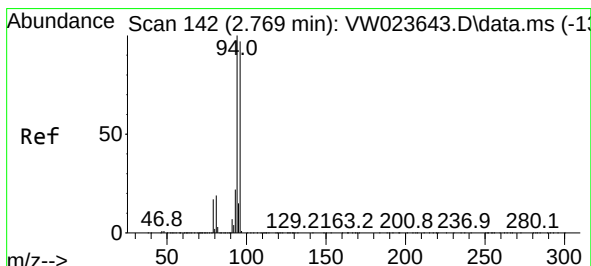
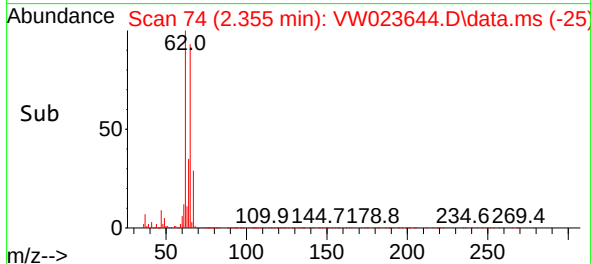
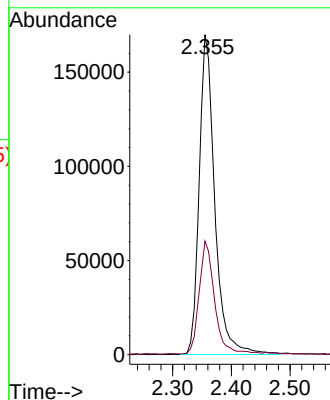
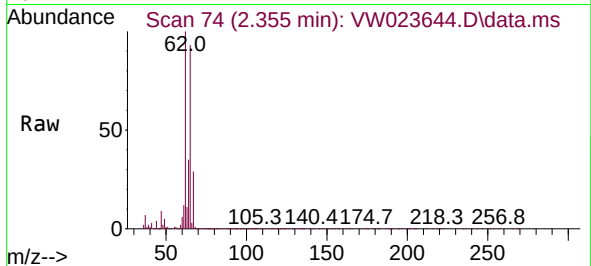




#5
 Vinyl chloride
 Concen: 45.702 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

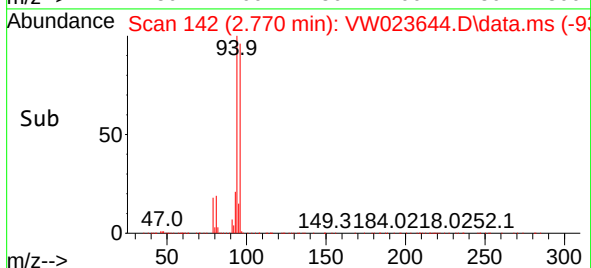
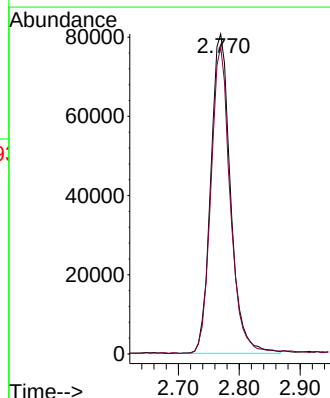
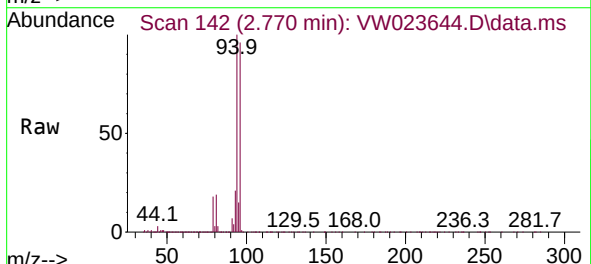
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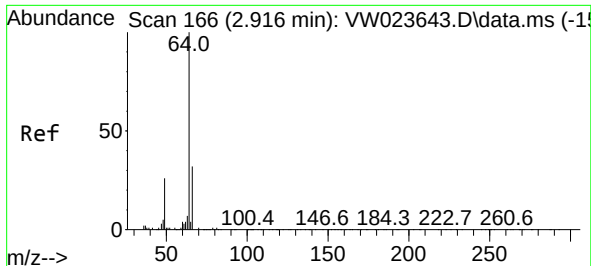
Tgt Ion: 62 Resp: 313177
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.0 44.6



#6
 Bromomethane
 Concen: 41.051 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

Tgt Ion: 94 Resp: 181954
 Ion Ratio Lower Upper
 94 100
 96 96.1 68.2 126.6

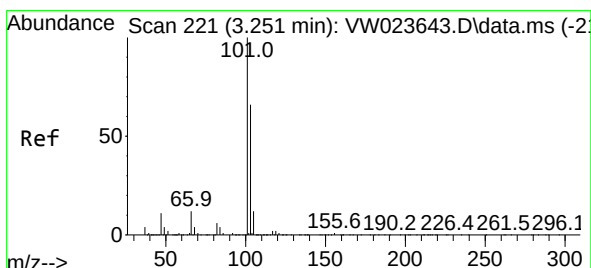
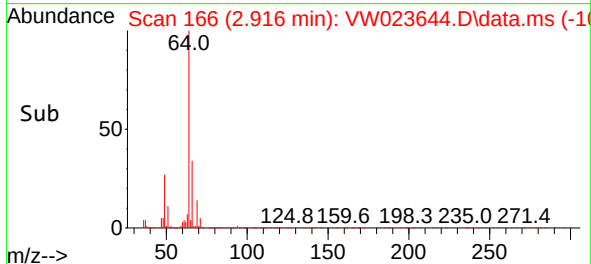
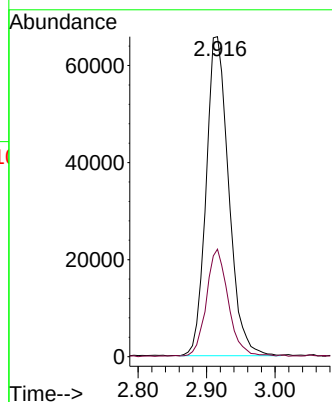
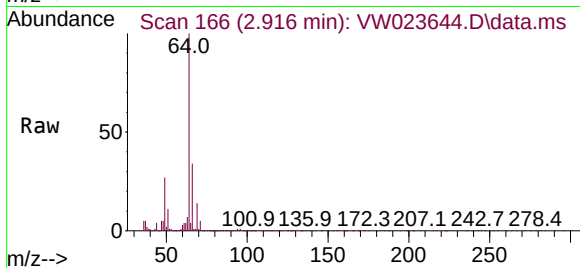




#8
Chloroethane
Concen: 47.031 ug/L
RT: 2.916 min Scan# 166
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

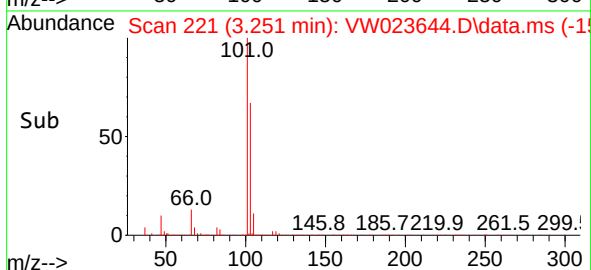
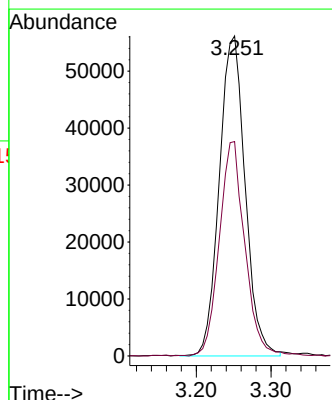
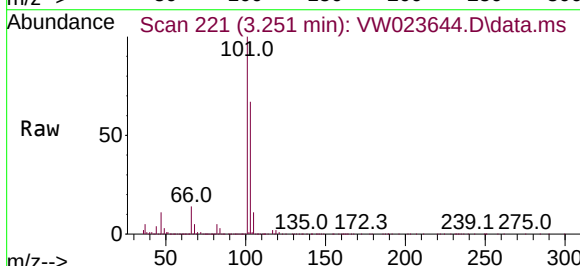
Instrument :
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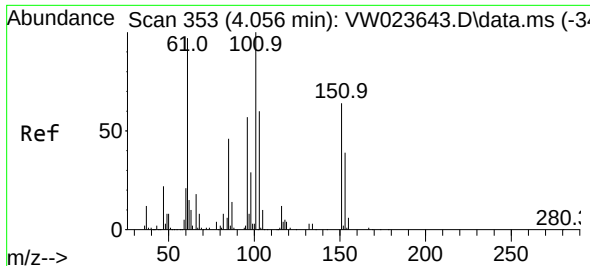
Tgt Ion: 64 Resp: 150777
Ion Ratio Lower Upper
64 100
66 33.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 43.401 ug/L
RT: 3.251 min Scan# 221
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 101 Resp: 135190
Ion Ratio Lower Upper
101 100
103 66.0 52.1 78.1

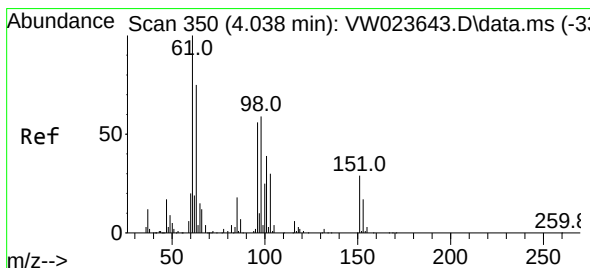
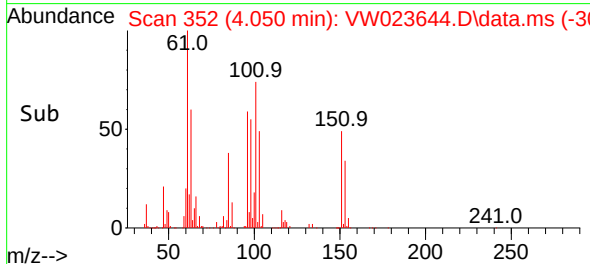
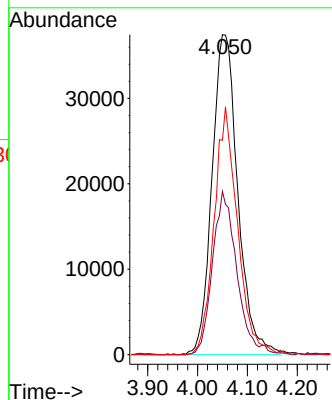
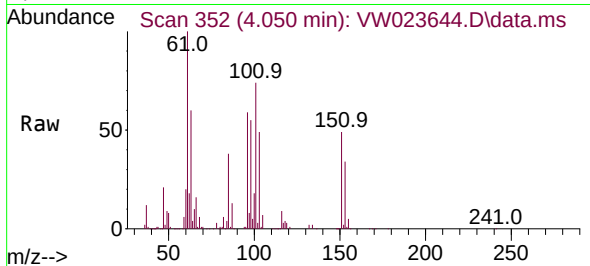




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.485 ug/L
 RT: 4.050 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

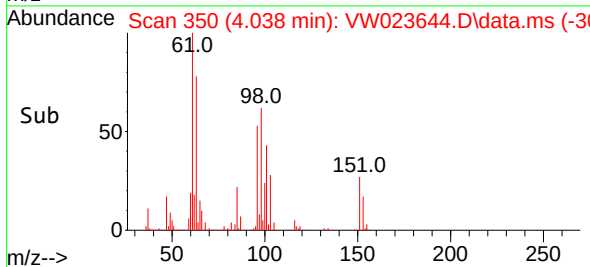
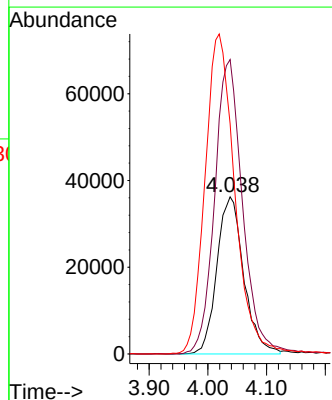
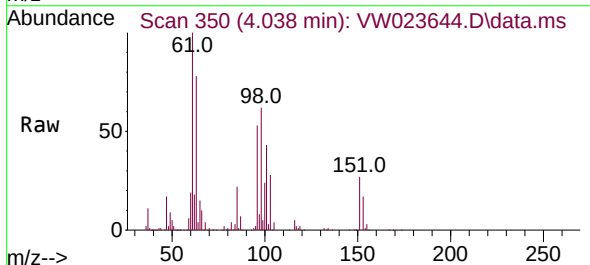
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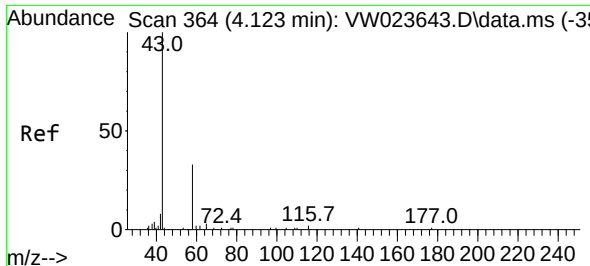
Tgt Ion:101 Resp: 134821
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.6 56.4
 151 70.0 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 45.466 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

Tgt Ion: 96 Resp: 115160
 Ion Ratio Lower Upper
 96 100
 61 187.4 125.4 232.8
 63 146.5 97.4 180.8

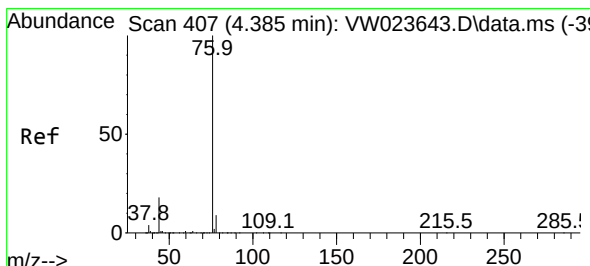
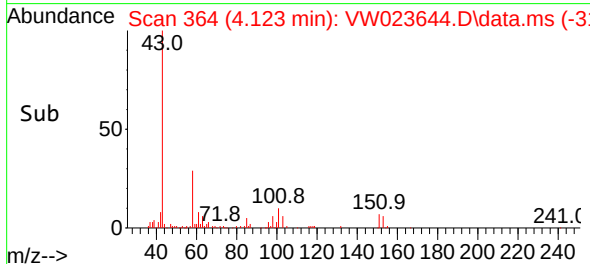
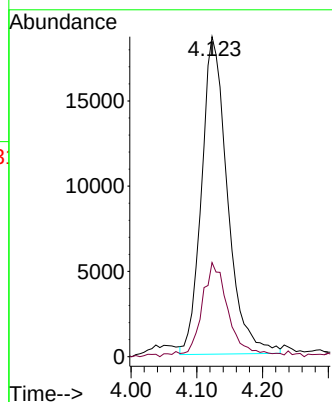
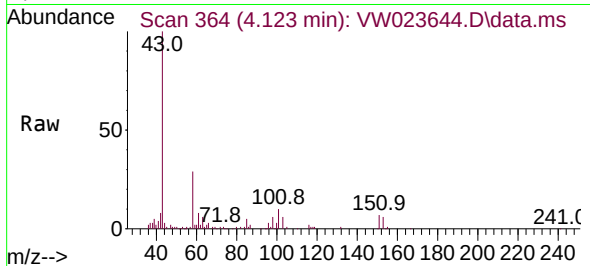




#13
Acetone
Concen: 84.296 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

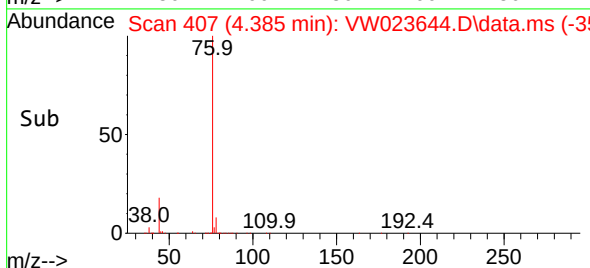
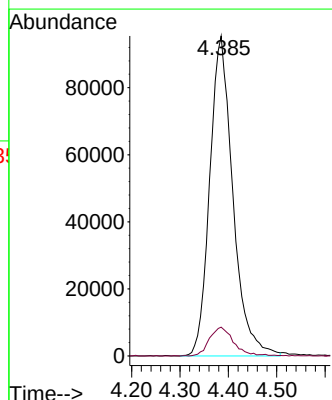
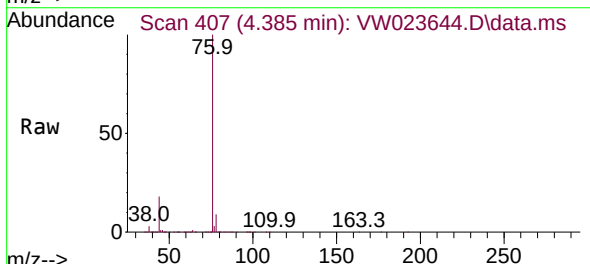
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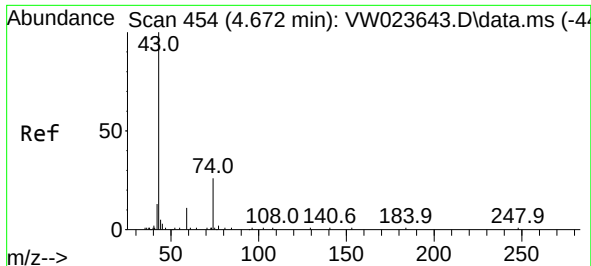
Tgt Ion: 43 Resp: 51083
Ion Ratio Lower Upper
43 100
58 29.8 0.0 64.2



#14
Carbon disulfide
Concen: 42.425 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 76 Resp: 317232
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

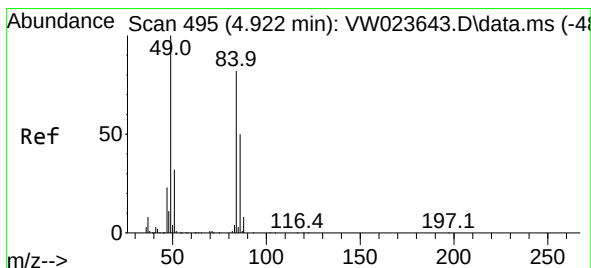
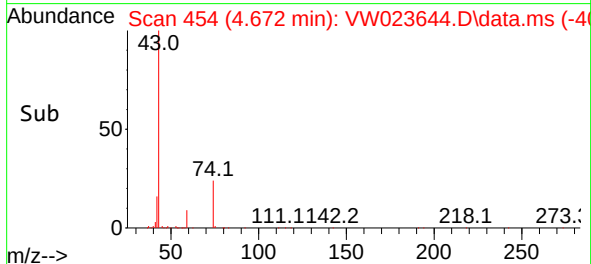
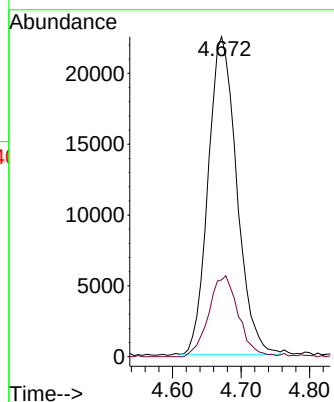
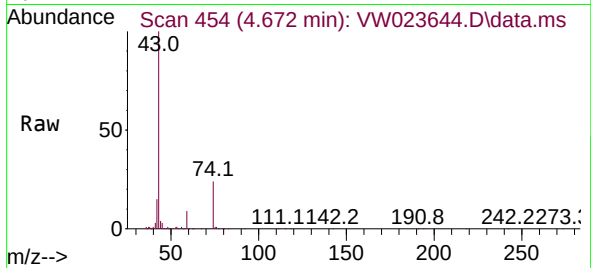




#15
Methyl Acetate
Concen: 45.330 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

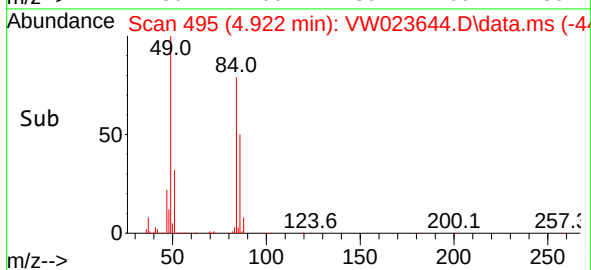
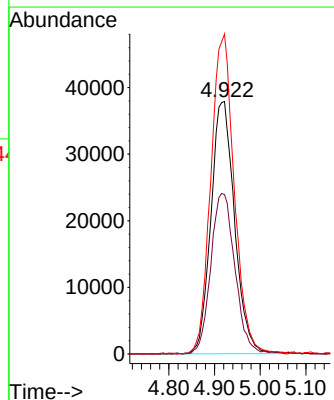
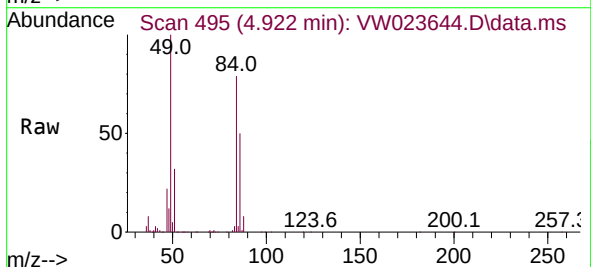
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

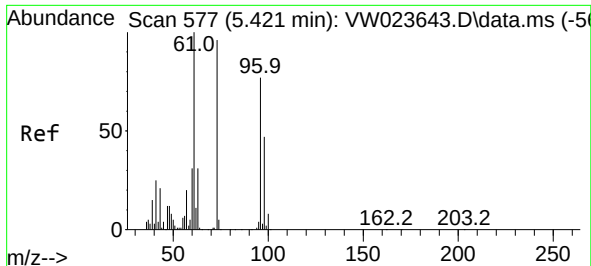
Tgt Ion: 43 Resp: 64909
Ion Ratio Lower Upper
43 100
74 26.4 20.0 30.0



#16
Methylene chloride
Concen: 36.359 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 84 Resp: 136292
Ion Ratio Lower Upper
84 100
86 63.1 42.8 79.6
49 126.7 85.4 158.6

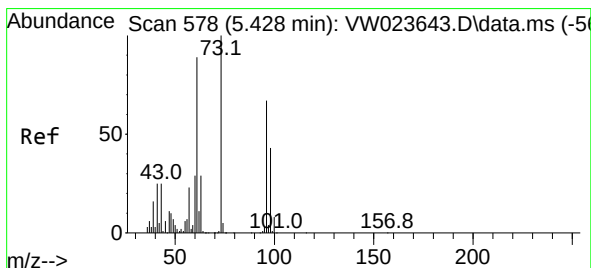
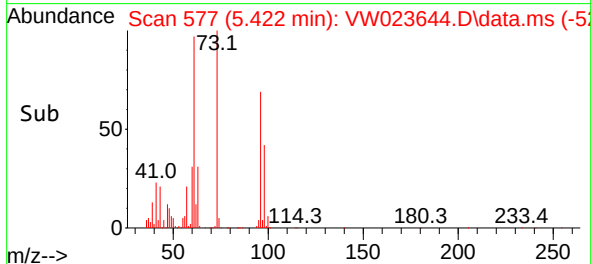
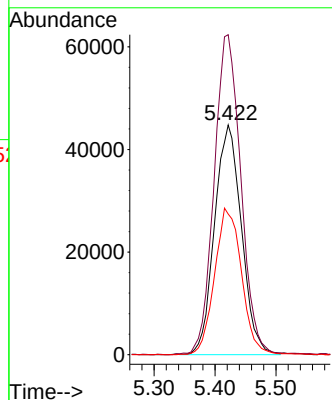
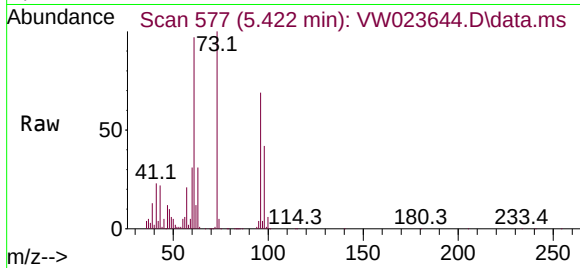




#17
trans-1,2-Dichloroethene
Concen: 44.576 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

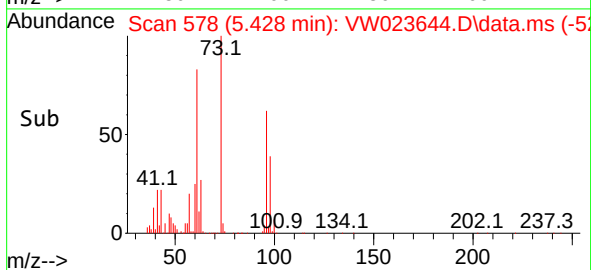
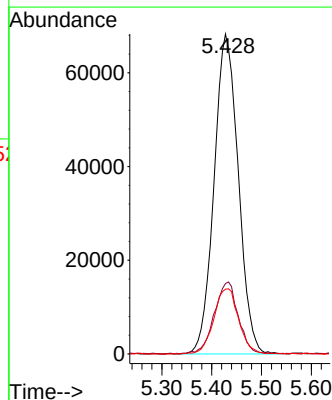
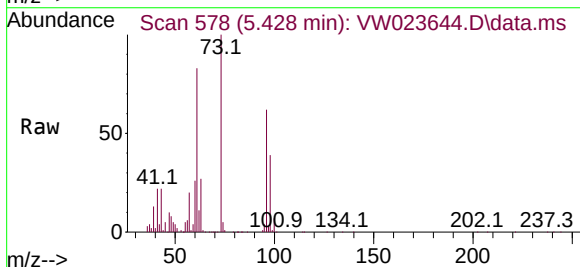
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

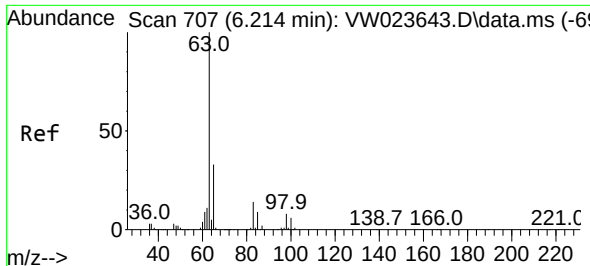
Tgt Ion: 96 Resp: 137477
Ion Ratio Lower Upper
96 100
61 139.3 90.8 168.6
98 61.2 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 48.455 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 73 Resp: 230364
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4
57 20.9 16.8 25.2





#19

1,1-Dichloroethane

Concen: 45.551 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

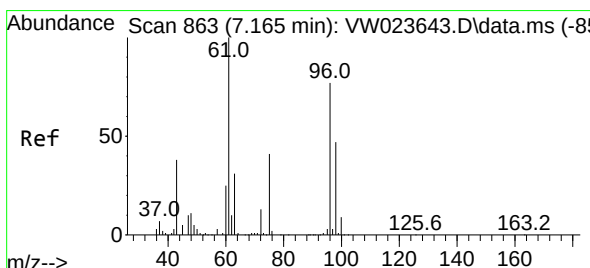
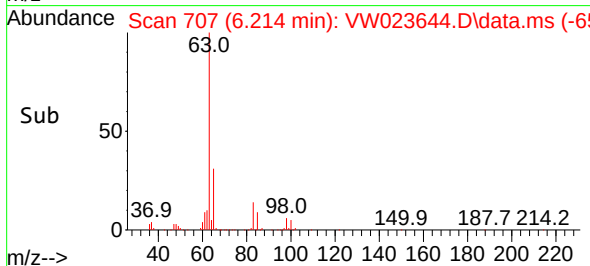
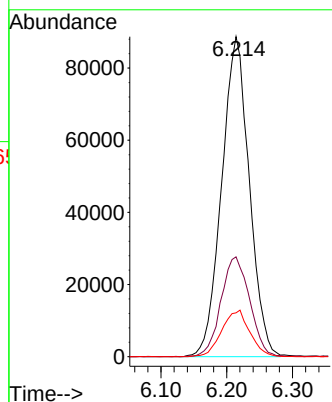
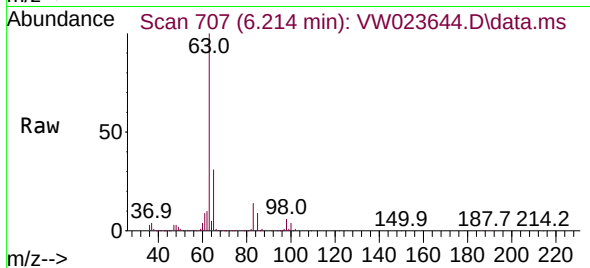
Tgt Ion: 63 Resp: 259140

Ion Ratio Lower Upper

63 100

65 31.2 22.7 42.1

83 13.7 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 47.888 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

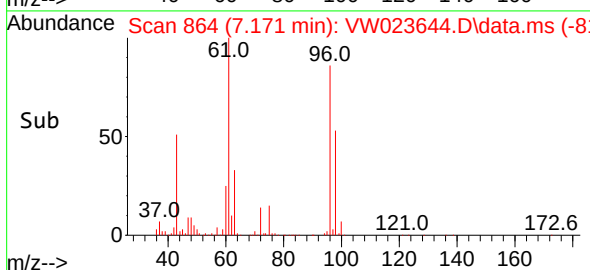
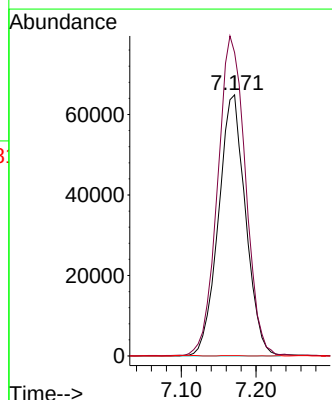
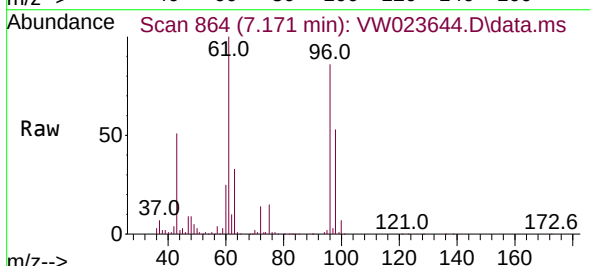
Tgt Ion: 96 Resp: 163750

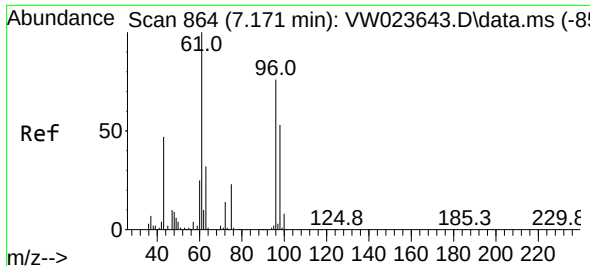
Ion Ratio Lower Upper

96 100

61 116.2 90.6 168.2

68 0.1 0.2 0.4

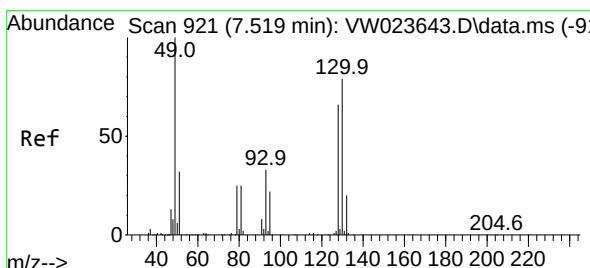
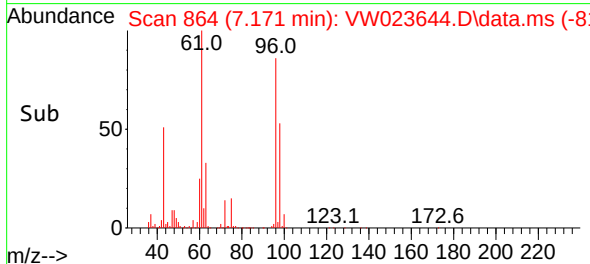
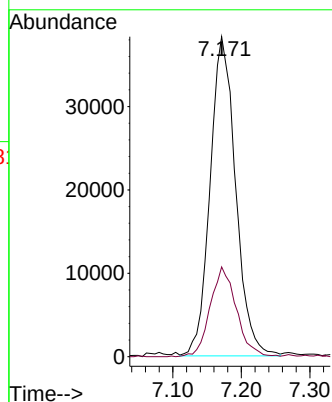
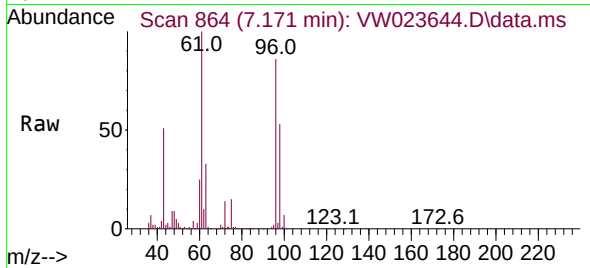




#22
2-Butanone
Concen: 90.232 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

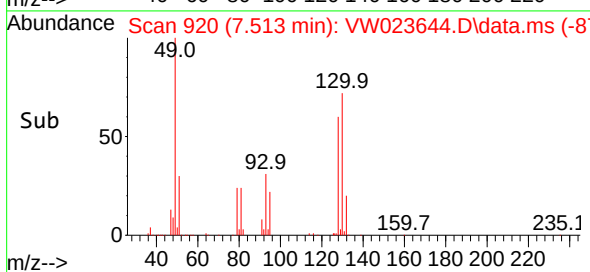
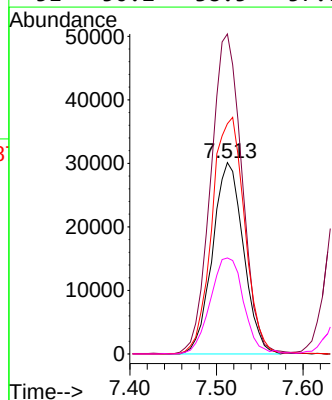
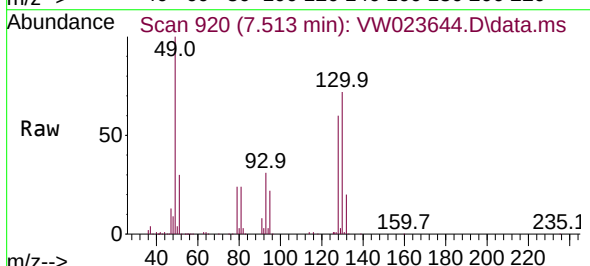
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

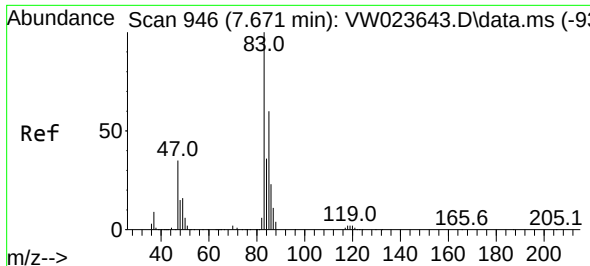
Tgt Ion: 43 Resp: 99073
Ion Ratio Lower Upper
43 100
72 28.7 14.7 44.1



#23
Bromochloromethane
Concen: 45.497 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 128 Resp: 74678
Ion Ratio Lower Upper
128 100
49 167.3 106.0 196.8
130 120.4 83.2 154.4
51 50.2 38.5 57.7

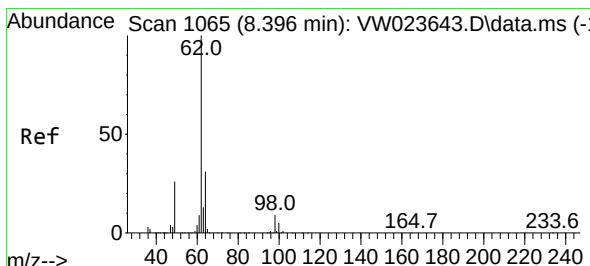
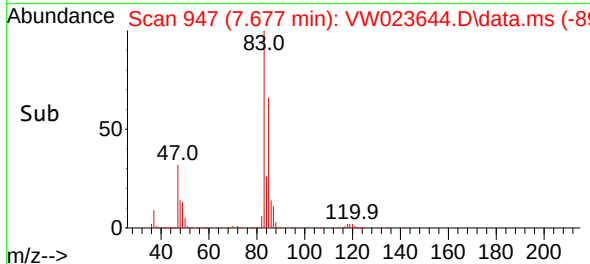
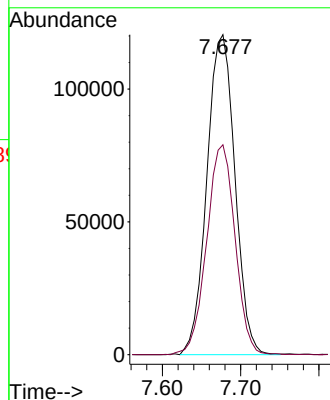
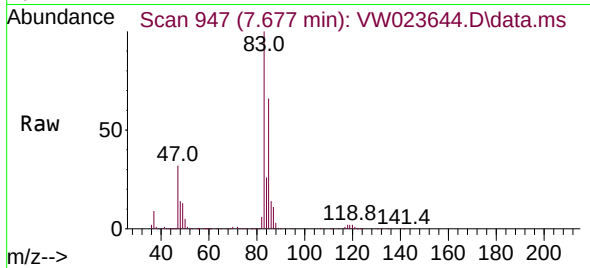




#25
Chloroform
Concen: 45.798 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

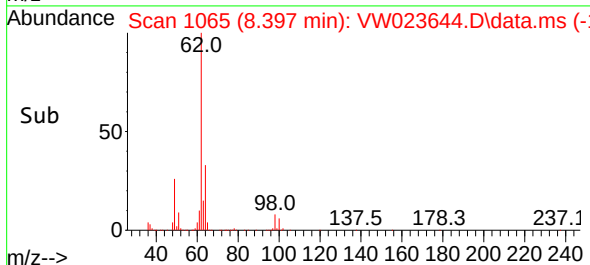
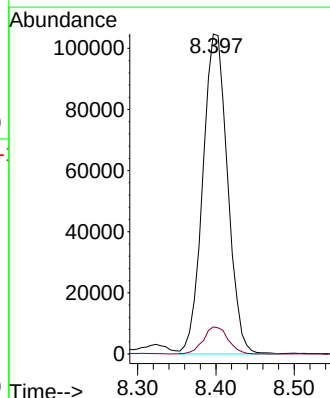
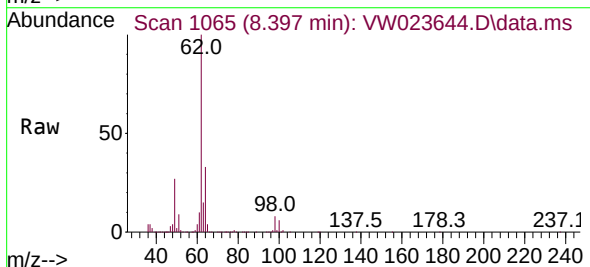
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

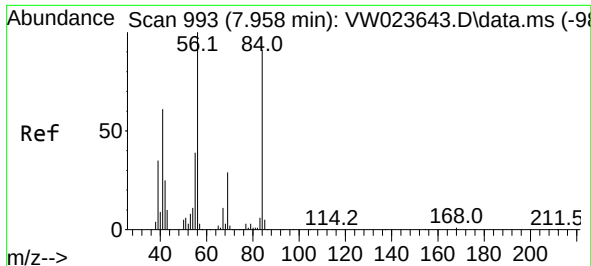
Tgt Ion: 83 Resp: 300161
Ion Ratio Lower Upper
83 100
85 65.6 41.9 77.9



#27
1,2-Dichloroethane
Concen: 47.694 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 62 Resp: 230057
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 47.307 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

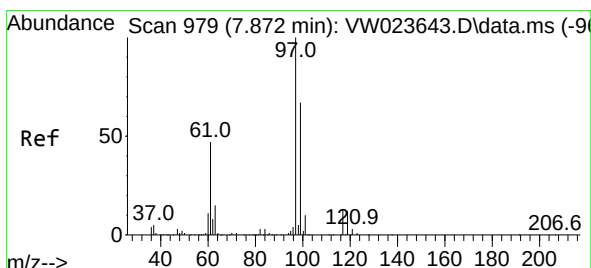
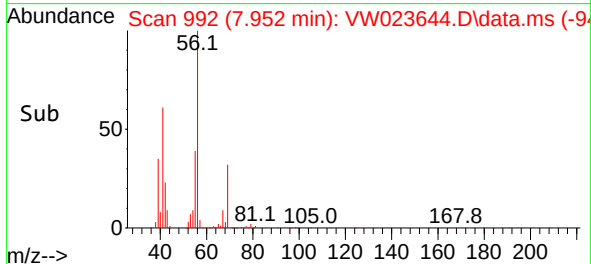
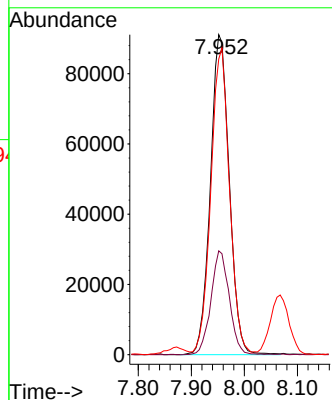
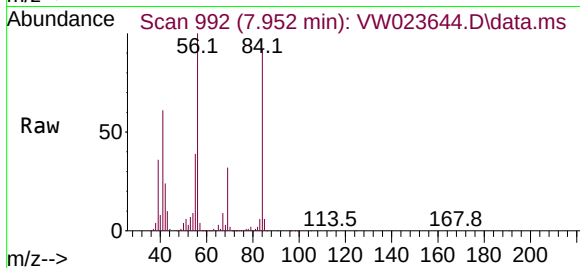
Tgt Ion: 56 Resp: 225829

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.0

84 94.6 75.0 112.4



#30

1,1,1-Trichloroethane

Concen: 43.928 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

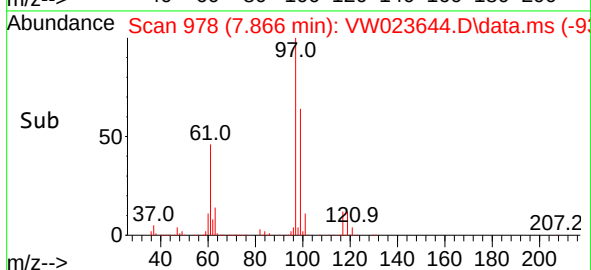
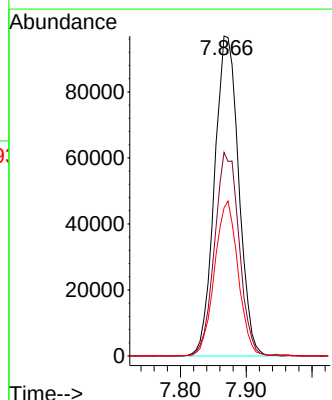
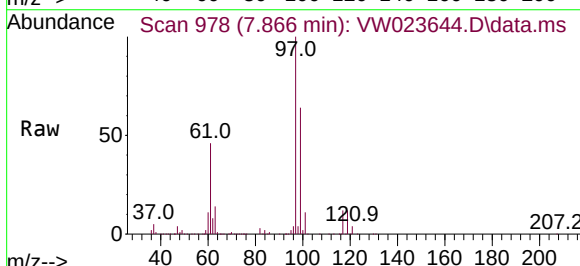
Tgt Ion: 97 Resp: 248256

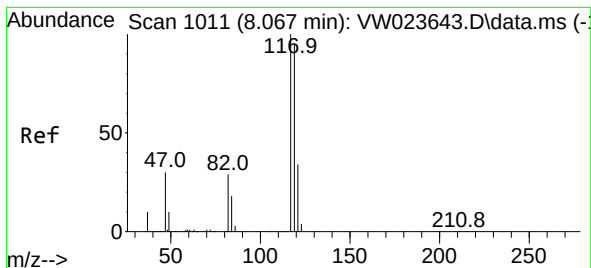
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

61 47.1 37.5 56.3





#31

Carbon tetrachloride

Concen: 45.314 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

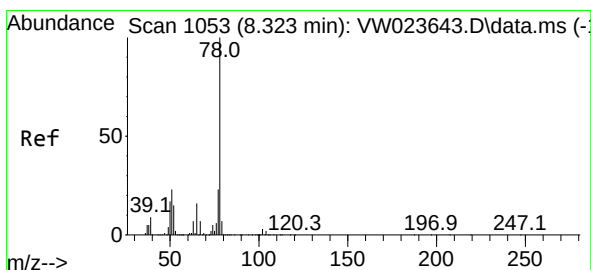
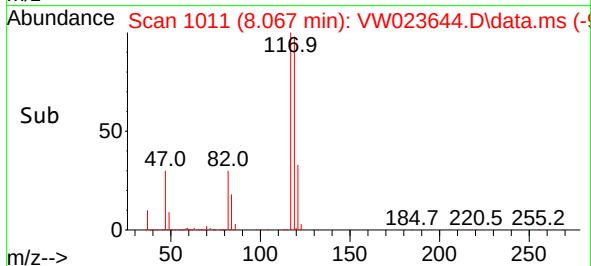
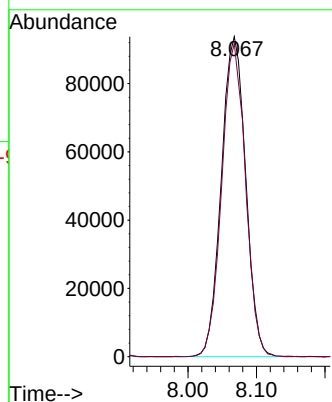
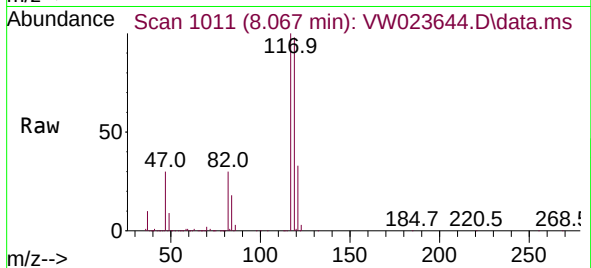
VSTD050453

Tgt Ion:117 Resp: 230850

Ion Ratio Lower Upper

117 100

119 95.6 75.7 113.5



#33

Benzene

Concen: 46.215 ug/L

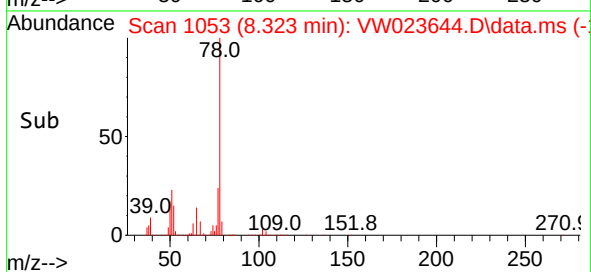
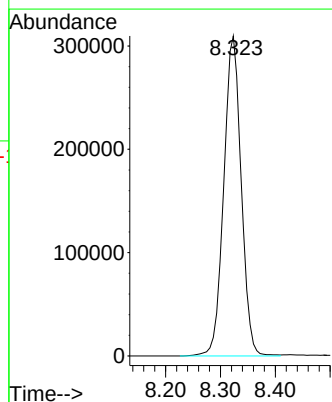
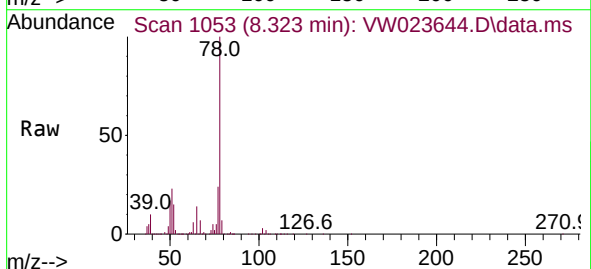
RT: 8.323 min Scan# 1053

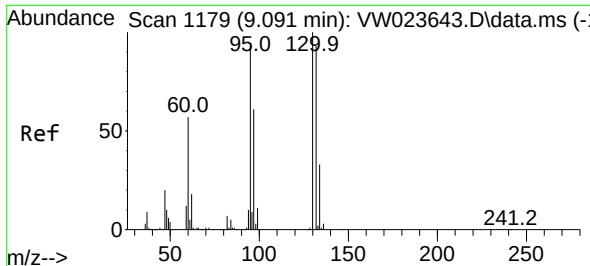
Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Tgt Ion: 78 Resp: 685483

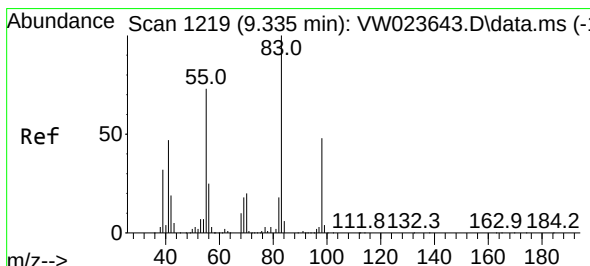
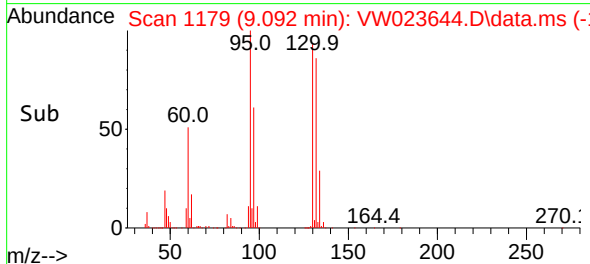
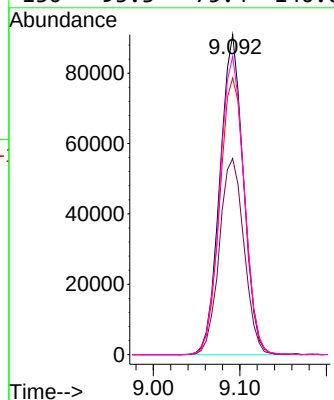
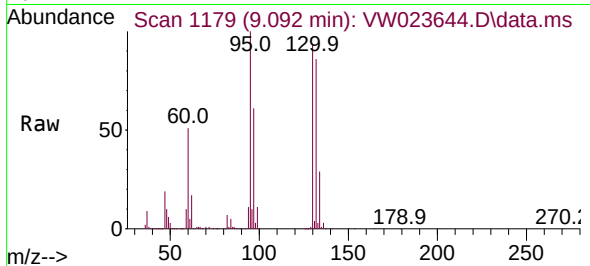




#34
Trichloroethene
Concen: 43.943 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

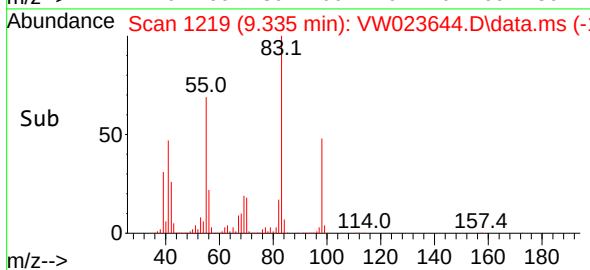
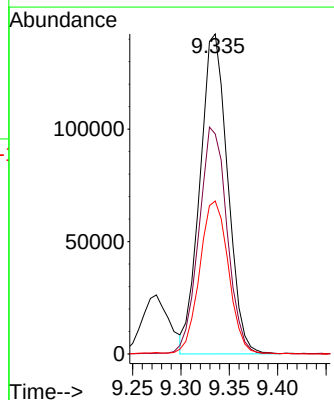
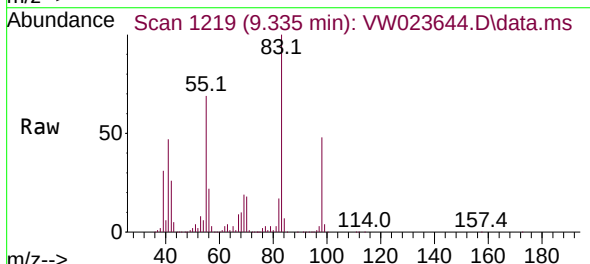
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

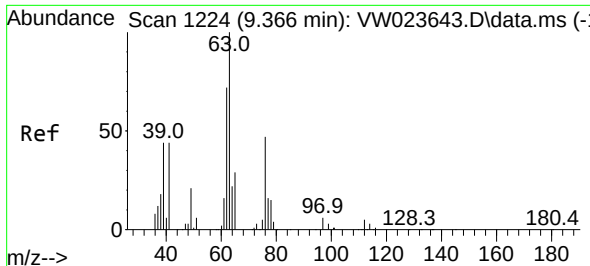
Tgt Ion: 95 Resp: 172113
Ion Ratio Lower Upper
95 100
97 61.3 45.6 84.8
132 86.5 69.9 129.7
130 93.3 75.4 140.0



#35
Methylcyclohexane
Concen: 47.525 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 83 Resp: 283452
Ion Ratio Lower Upper
83 100
55 72.4 60.8 91.2
98 49.9 39.5 59.3





#37

1,2-Dichloropropane

Concen: 45.499 ug/L

RT: 9.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

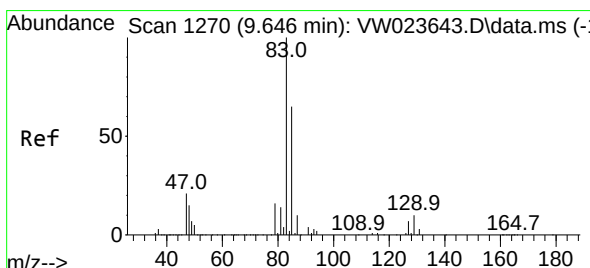
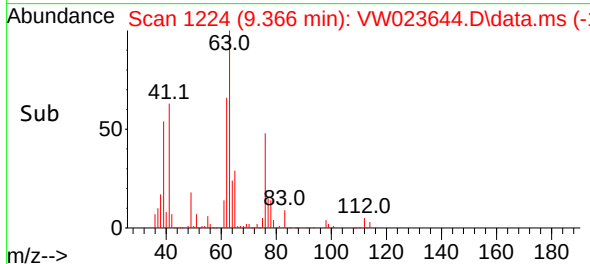
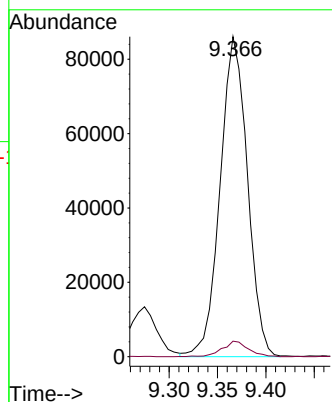
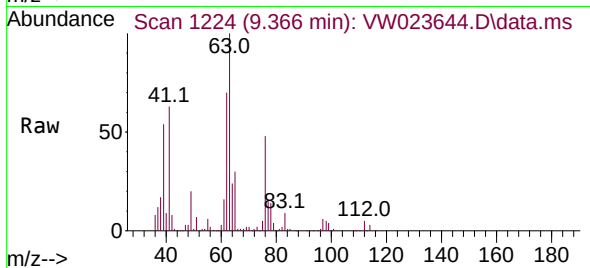
VSTD050453

Tgt Ion: 63 Resp: 169192

Ion Ratio Lower Upper

63 100

112 4.5 4.2 6.2



#38

Bromodichloromethane

Concen: 47.727 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

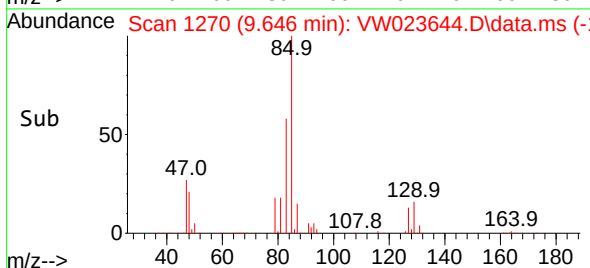
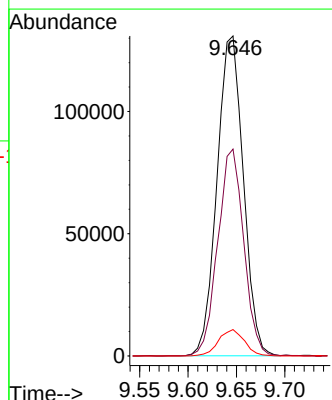
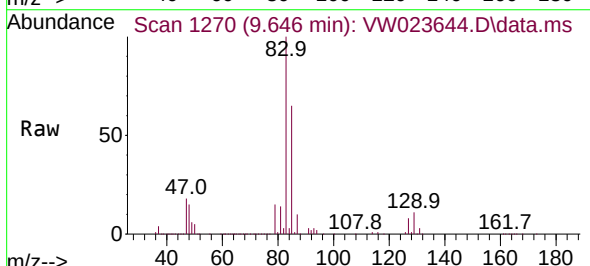
Tgt Ion: 83 Resp: 247695

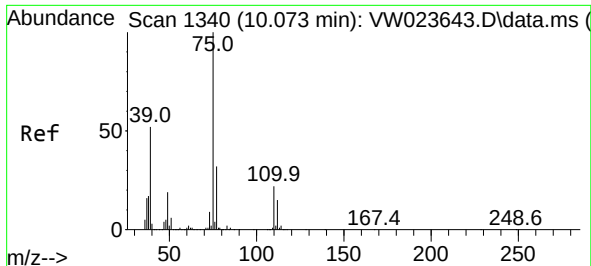
Ion Ratio Lower Upper

83 100

85 64.7 45.5 84.5

127 8.2 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 49.582 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

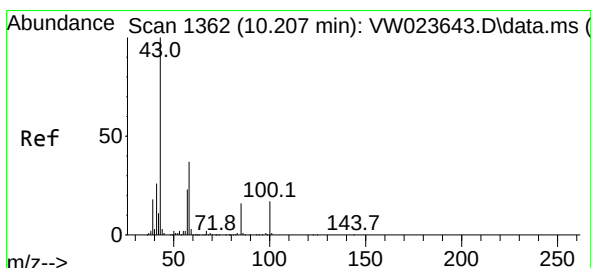
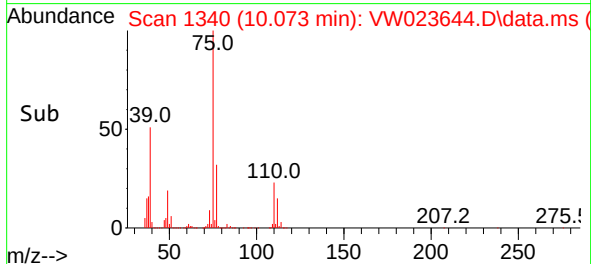
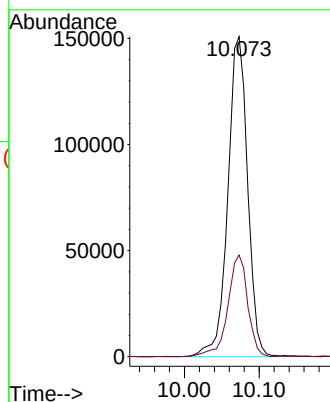
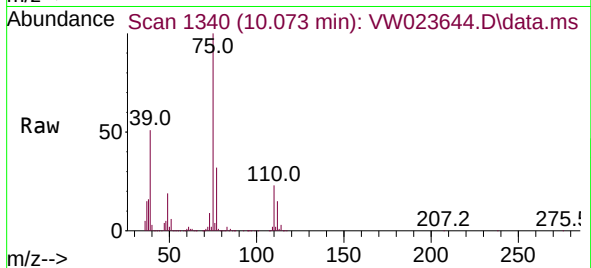
VSTD050453

Tgt Ion: 75 Resp: 277898

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 97.478 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

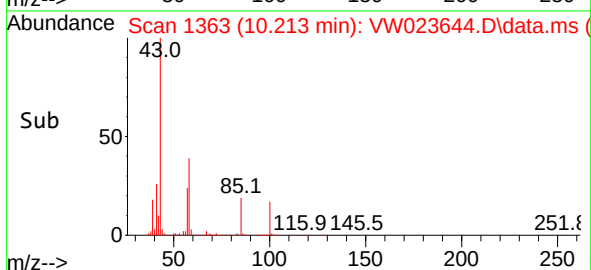
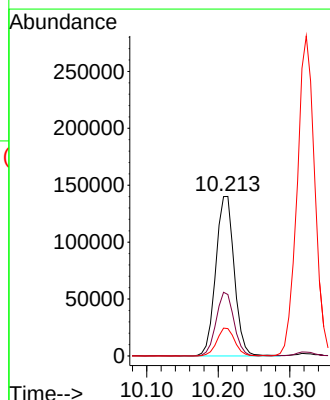
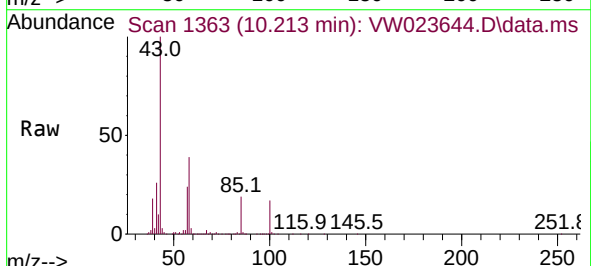
Tgt Ion: 43 Resp: 252237

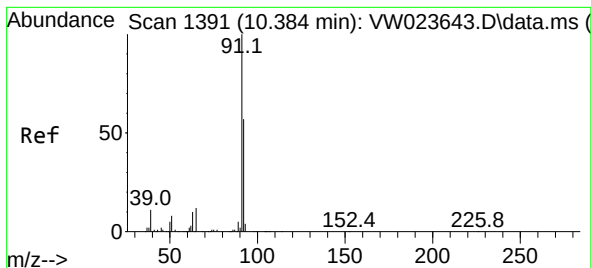
Ion Ratio Lower Upper

43 100

58 38.4 29.8 44.8

100 16.9 13.0 19.4





#42

Toluene

Concen: 49.768 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

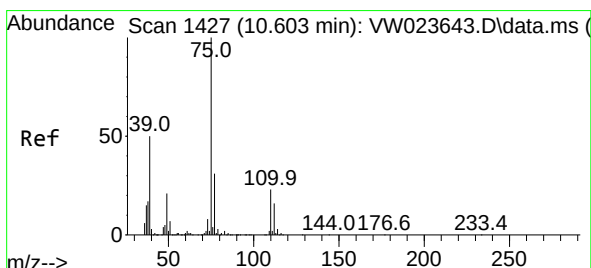
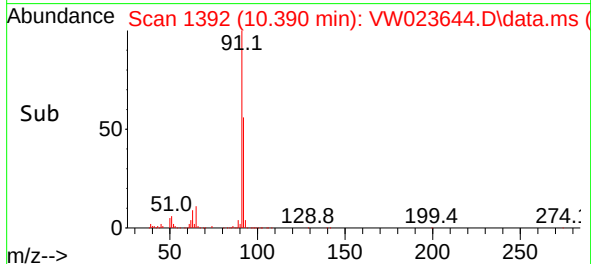
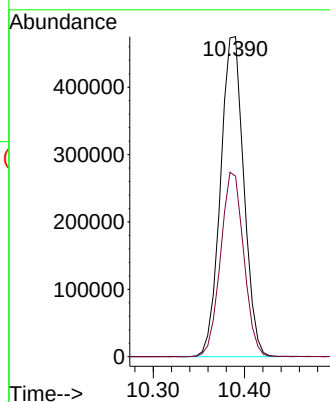
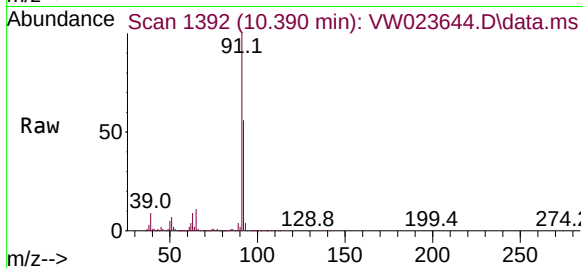
VSTD050453

Tgt Ion: 91 Resp: 841861

Ion Ratio Lower Upper

91 100

92 56.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 52.101 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW023644.D

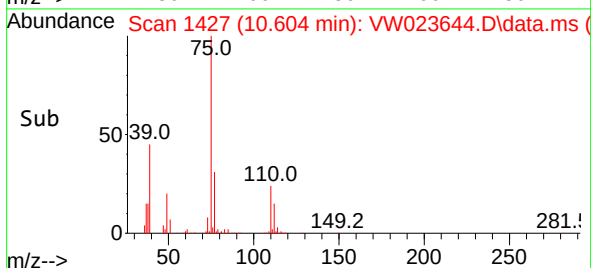
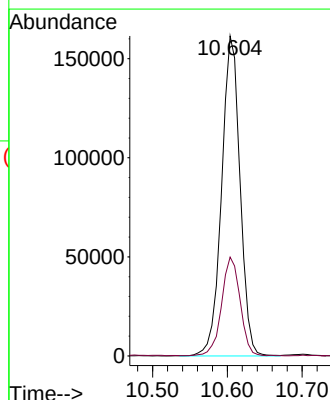
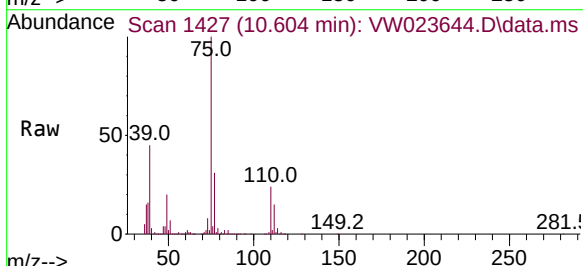
Acq: 13 Jul 2022 12:55

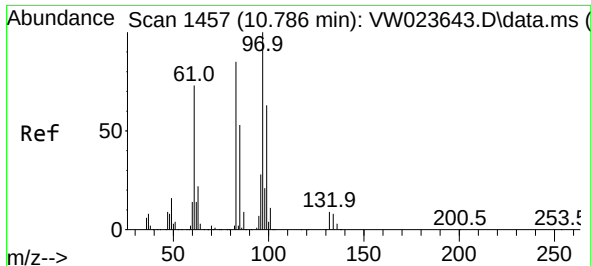
Tgt Ion: 75 Resp: 277548

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0

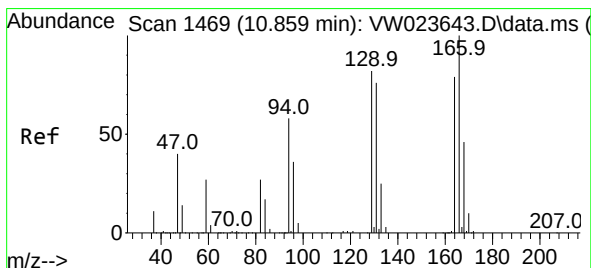
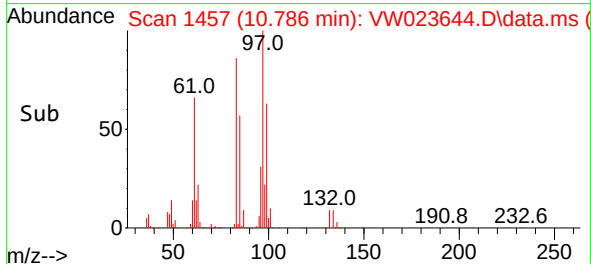
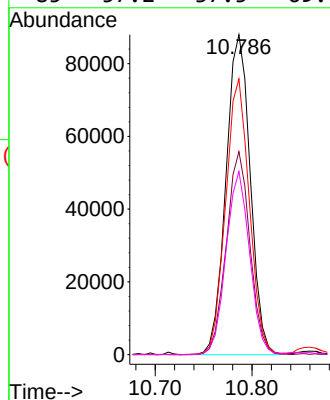
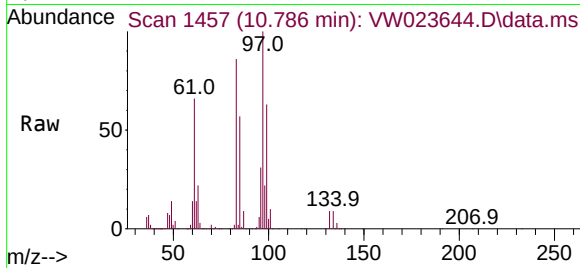




#45
1,1,2-Trichloroethane
Concen: 47.226 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

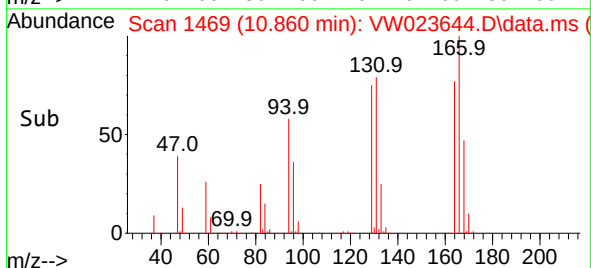
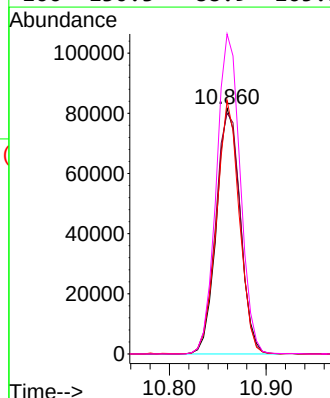
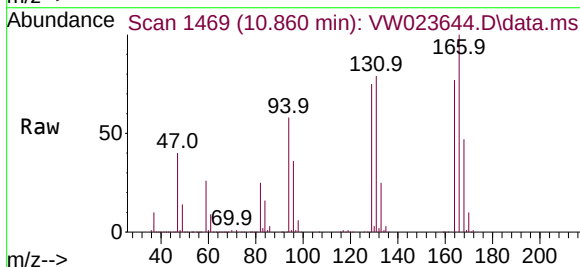
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

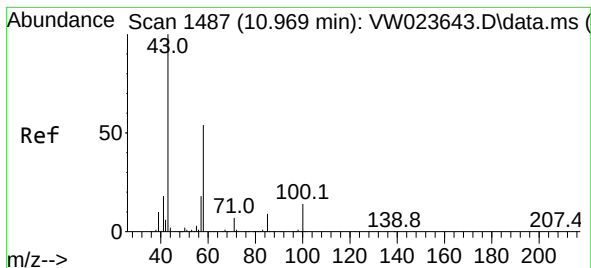
Tgt Ion:	97	Resp:	153553
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.2	82.2
83	86.2	59.8	111.0
85	57.2	37.5	69.6



#46
Tetrachloroethene
Concen: 45.710 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion:	164	Resp:	138435
Ion	Ratio	Lower	Upper
164	100		
129	98.0	72.4	134.5
131	103.2	67.8	125.8
166	130.3	88.9	165.1





#48

2-Hexanone

Concen: 104.857 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

Tgt Ion: 43 Resp: 194115

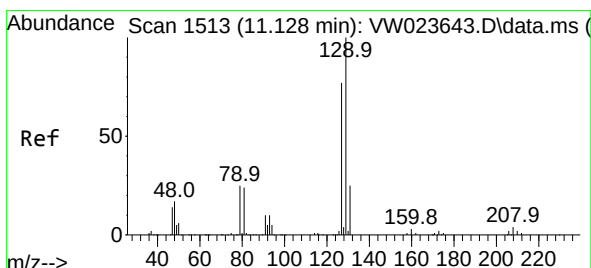
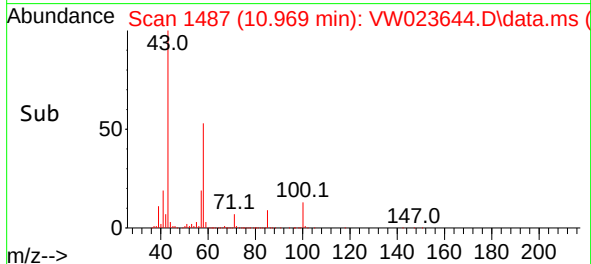
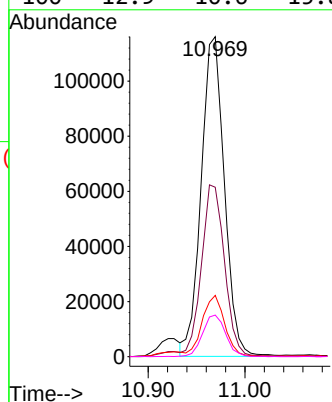
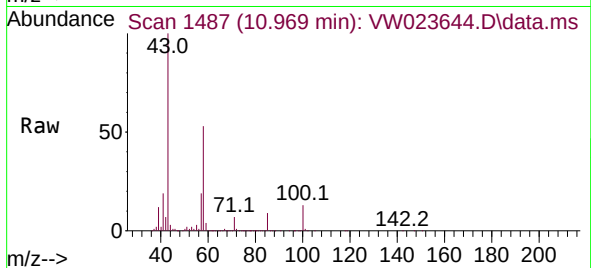
Ion Ratio Lower Upper

43 100

58 53.4 41.6 62.4

57 18.3 14.6 21.8

100 12.9 10.6 15.8



#49

Dibromochloromethane

Concen: 49.865 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW023644.D

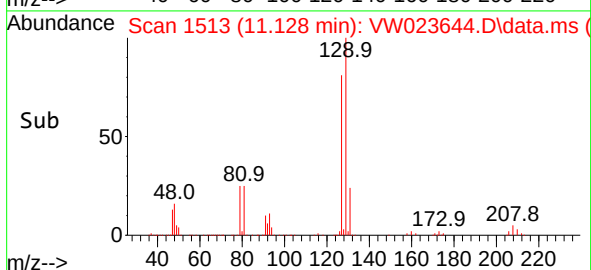
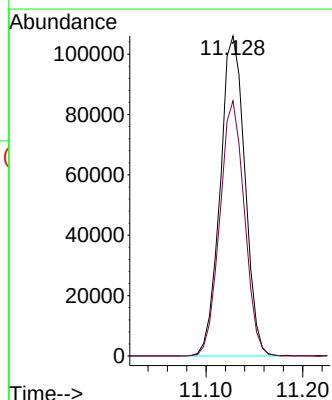
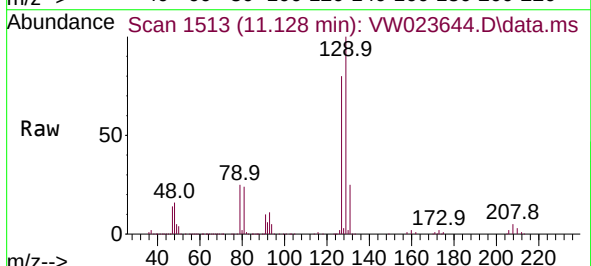
Acq: 13 Jul 2022 12:55

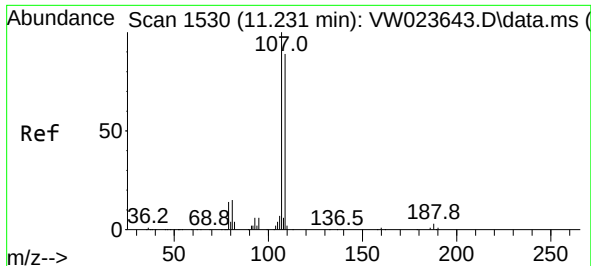
Tgt Ion: 129 Resp: 188027

Ion Ratio Lower Upper

129 100

127 79.8 53.7 99.7

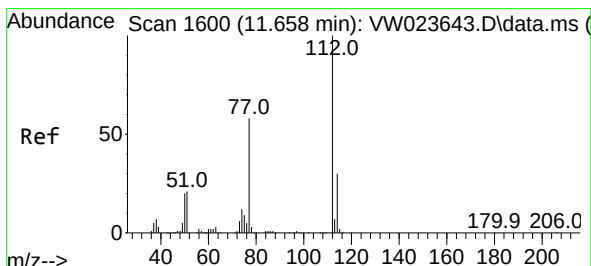
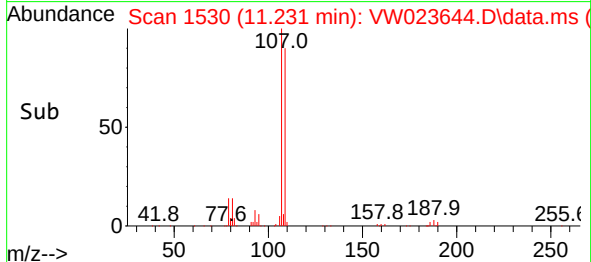
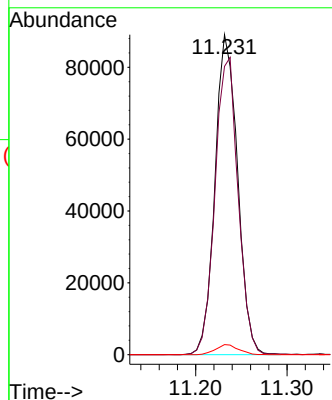
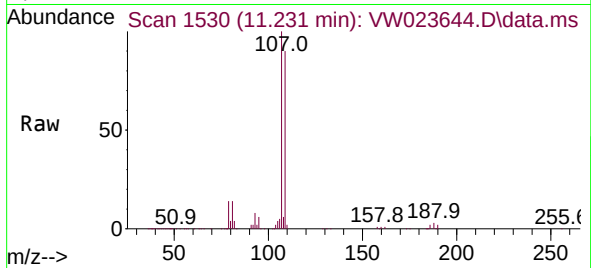




#50
1,2-Dibromoethane
Concen: 49.024 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

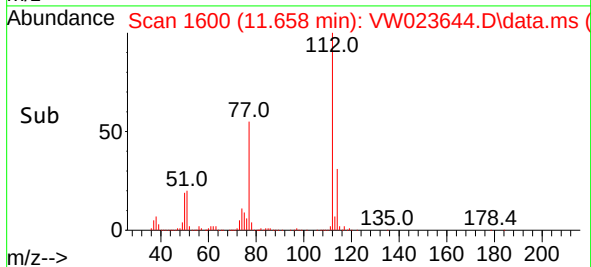
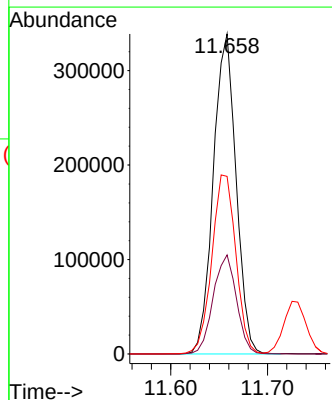
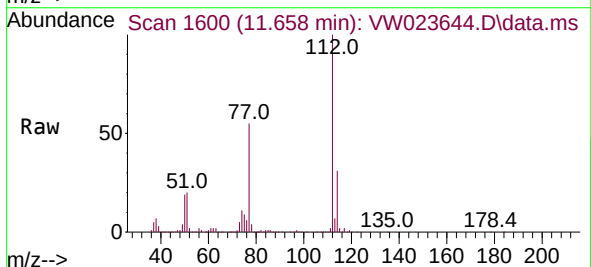
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

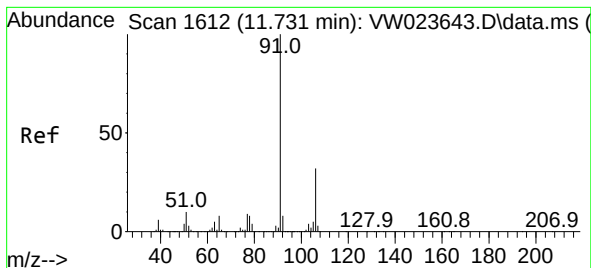
Tgt Ion:	107	Resp:	153141
Ion	Ratio	Lower	Upper
107	100		
109	90.1	62.4	116.0
188	3.1	2.3	3.5



#51
Chlorobenzene
Concen: 48.529 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion:	112	Resp:	553642
Ion	Ratio	Lower	Upper
112	100		
114	31.0	21.1	39.3
77	55.5	46.6	69.8

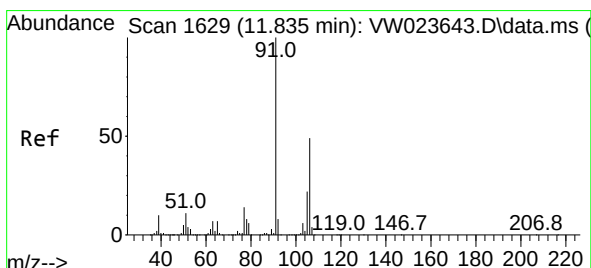
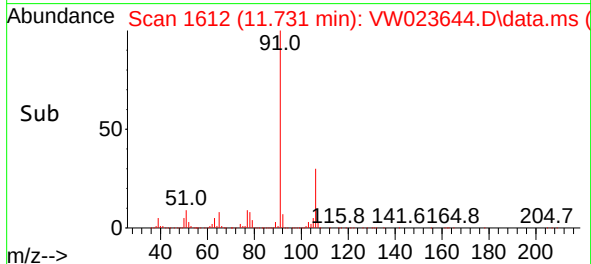
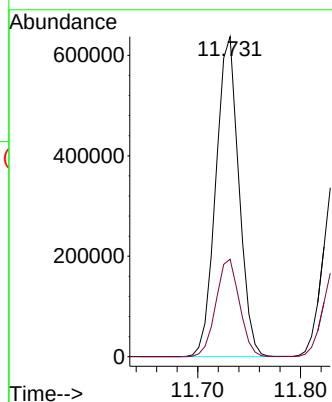
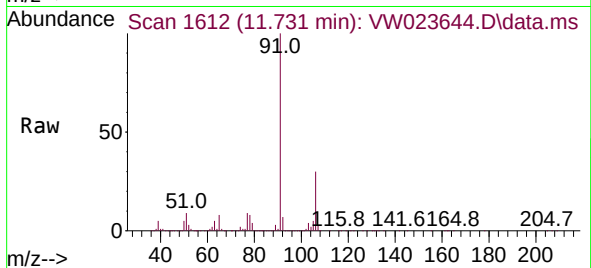




#52
Ethylbenzene
Concen: 51.553 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

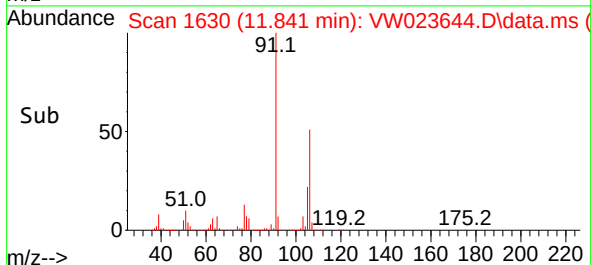
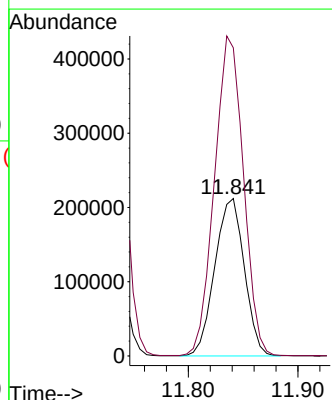
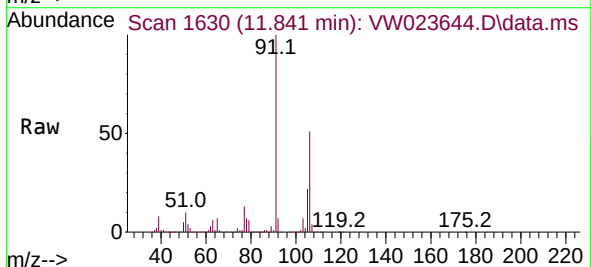
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

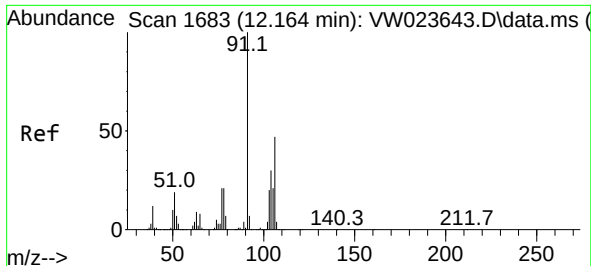
Tgt Ion: 91 Resp: 990957
Ion Ratio Lower Upper
91 100
106 30.4 22.5 41.9



#53
m,p-Xylene
Concen: 52.897 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion: 106 Resp: 396717
Ion Ratio Lower Upper
106 100
91 195.8 142.8 265.2

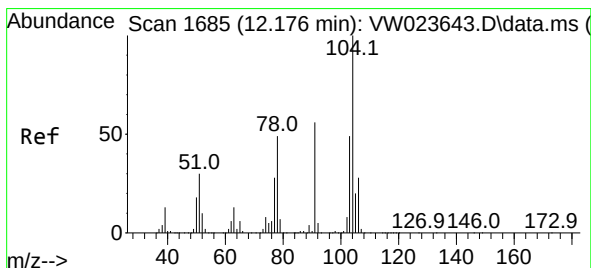
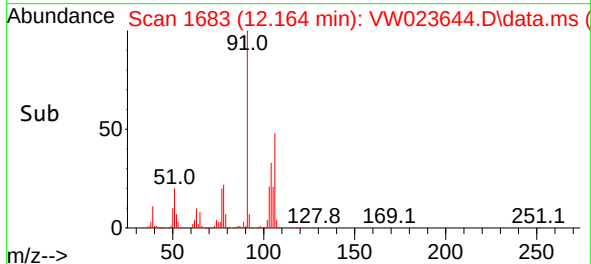
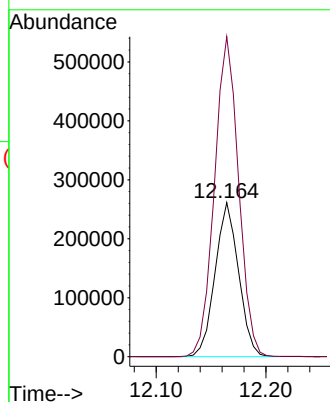
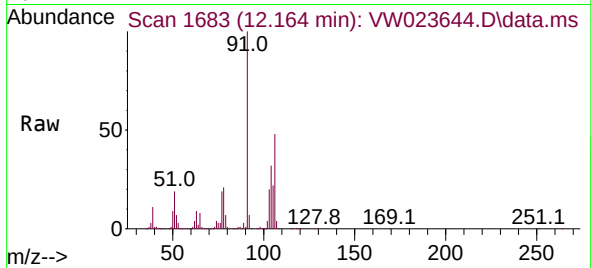




#54
o-Xylene
Concen: 53.936 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

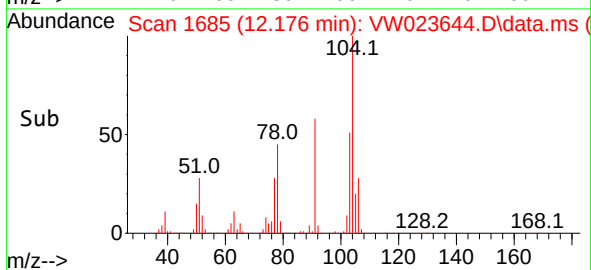
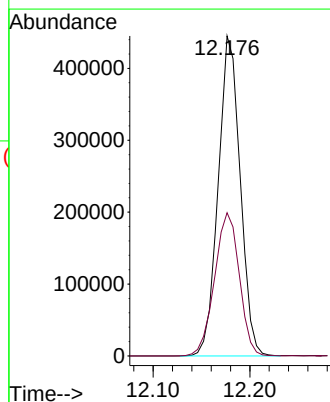
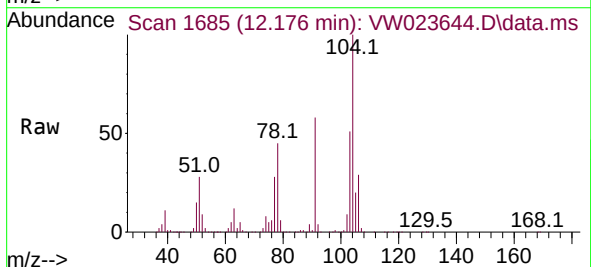
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

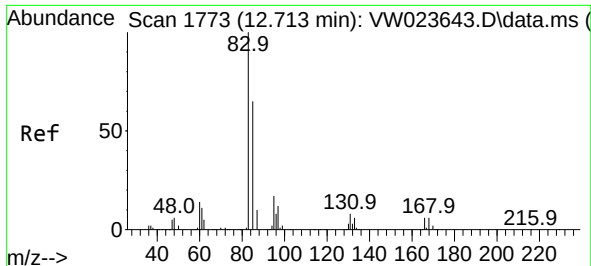
Tgt Ion:106 Resp: 388472
Ion Ratio Lower Upper
106 100
91 207.8 149.6 277.8



#55
Styrene
Concen: 55.252 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion:104 Resp: 703033
Ion Ratio Lower Upper
104 100
78 44.8 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 49.589 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

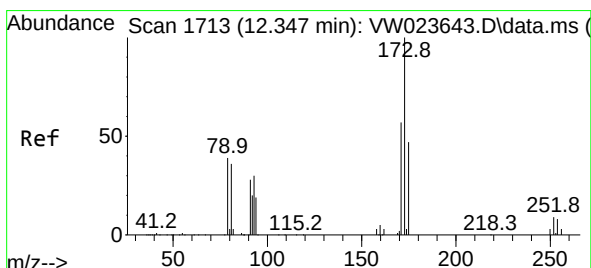
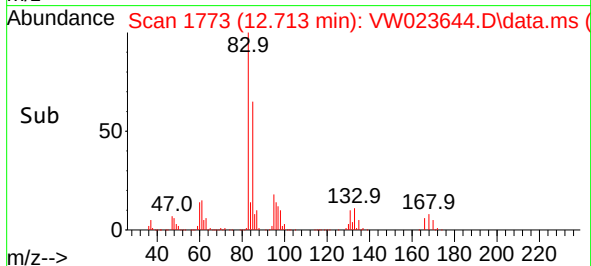
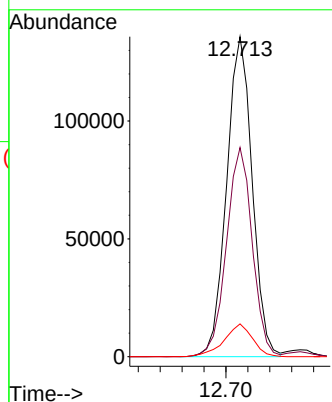
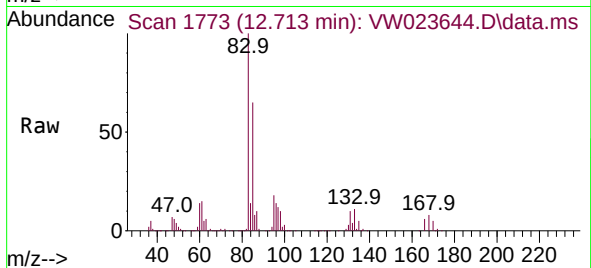
Tgt Ion: 83 Resp: 219931

Ion Ratio Lower Upper

83 100

85 65.4 46.5 86.3

131 10.2 7.4 11.0



#59

Bromoform

Concen: 47.941 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

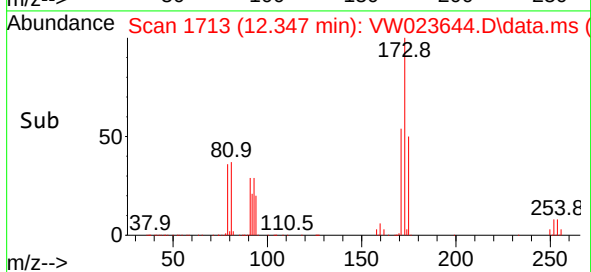
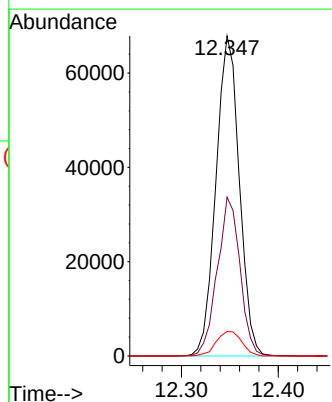
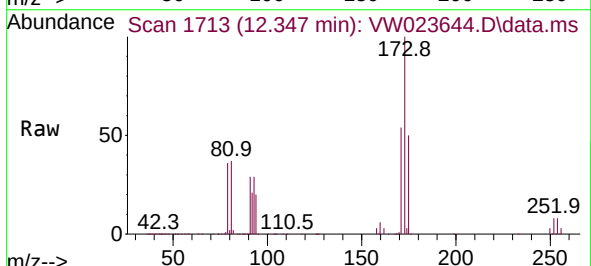
Tgt Ion: 173 Resp: 113746

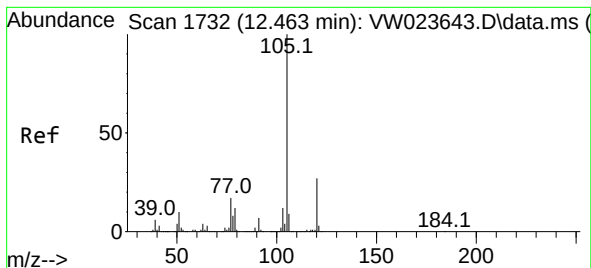
Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

254 8.4 5.9 8.9





#60

Isopropylbenzene

Concen: 48.913 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

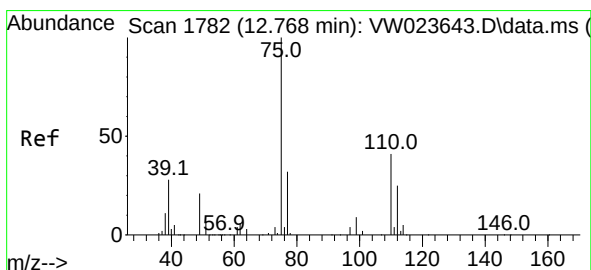
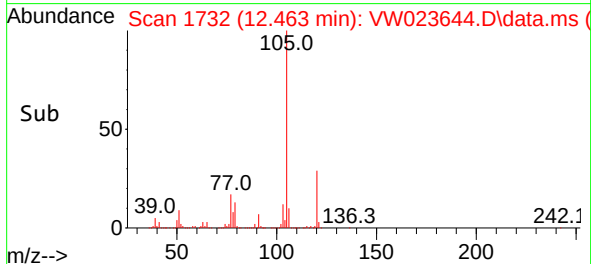
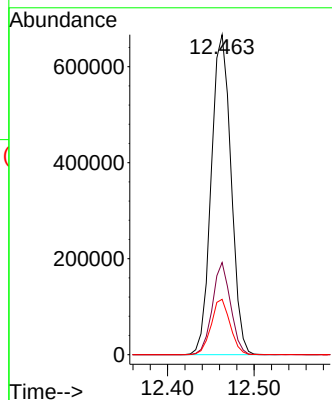
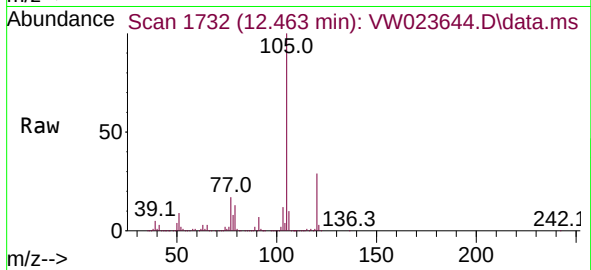
Tgt Ion:105 Resp: 1057233

Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

77 16.6 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 45.059 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

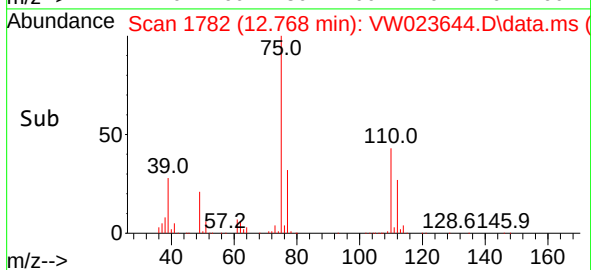
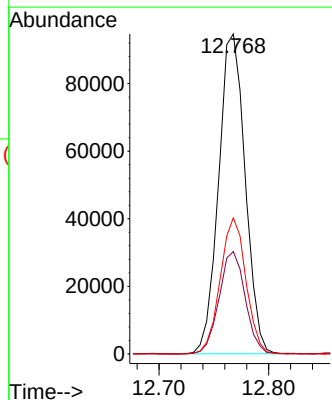
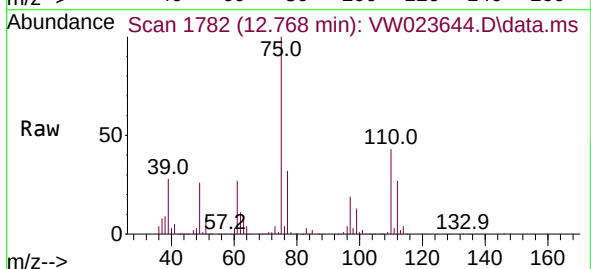
Tgt Ion: 75 Resp: 158976

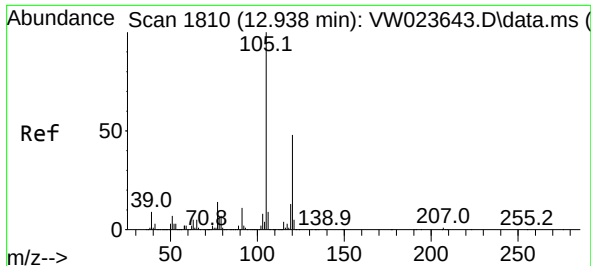
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

110 41.2 31.9 47.9





#62

1,3,5-Trimethylbenzene

Concen: 51.223 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

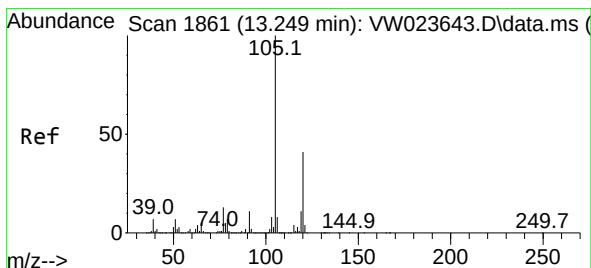
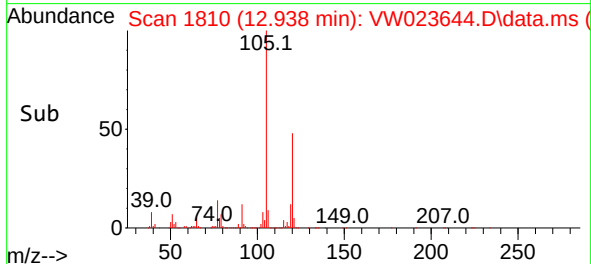
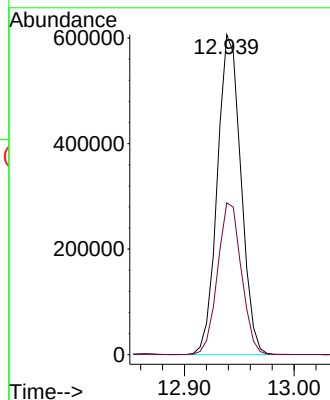
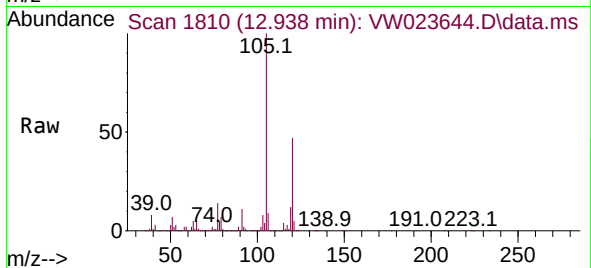
VSTD050453

Tgt Ion:105 Resp: 906430

Ion Ratio Lower Upper

105 100

120 47.9 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 51.360 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023644.D

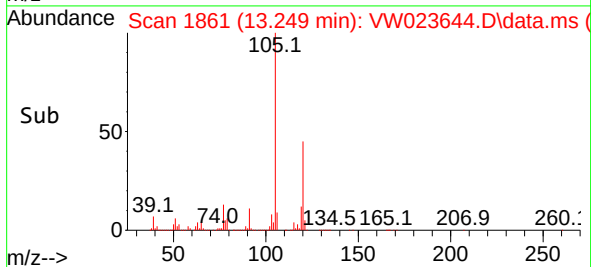
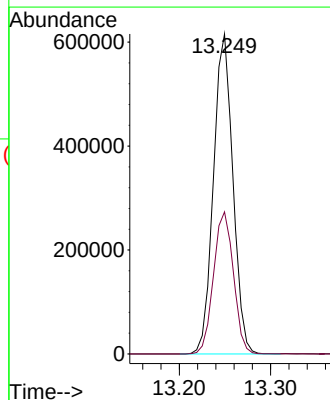
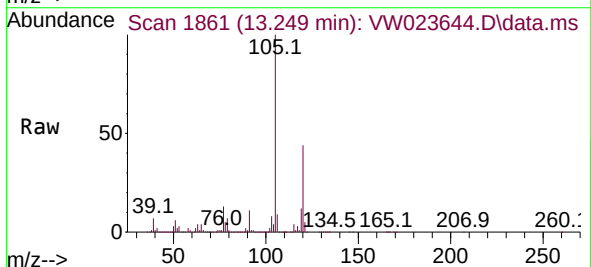
Acq: 13 Jul 2022 12:55

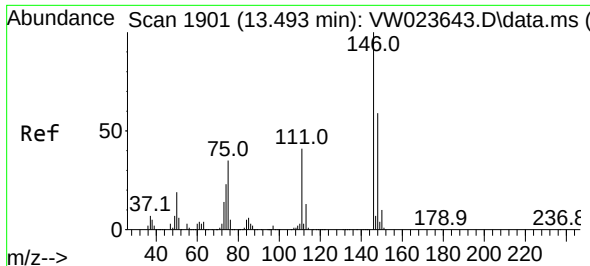
Tgt Ion:105 Resp: 908670

Ion Ratio Lower Upper

105 100

120 45.6 35.5 53.3

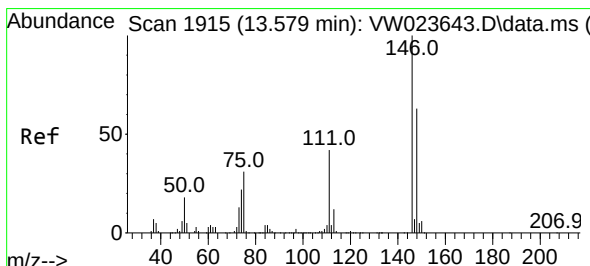
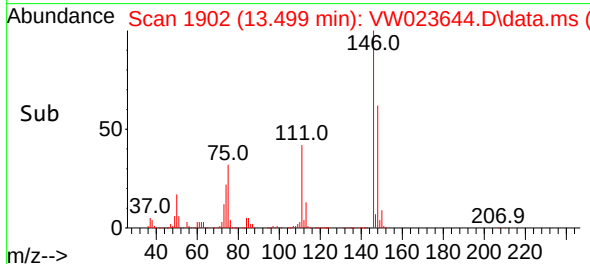
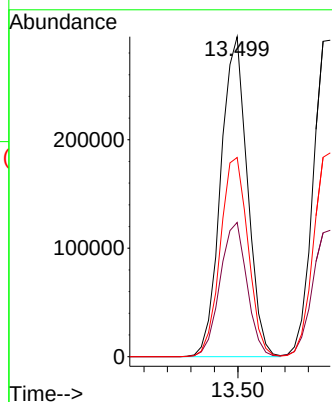
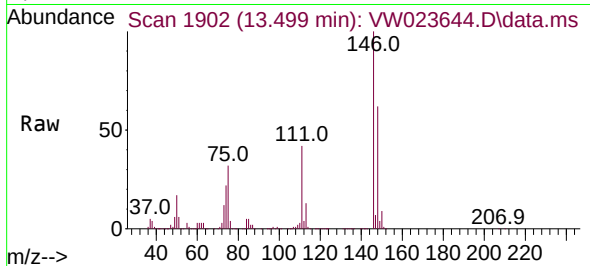




#64
1,3-Dichlorobenzene
Concen: 47.350 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

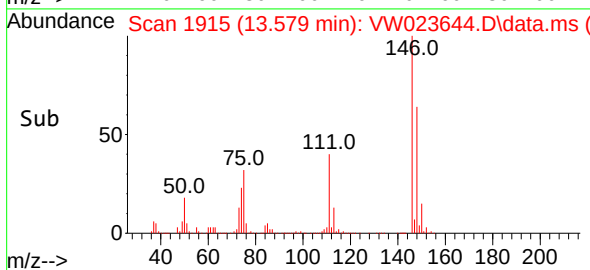
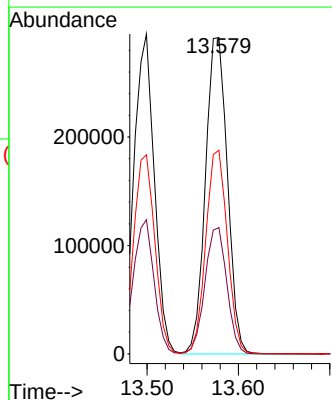
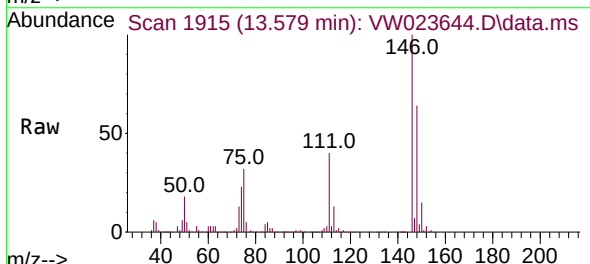
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

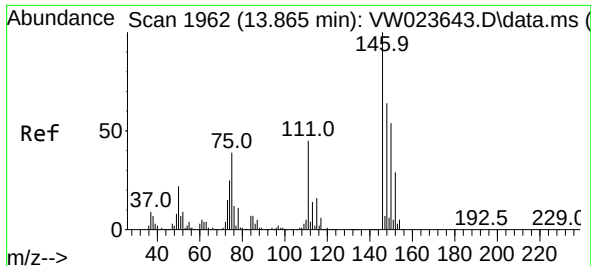
Tgt Ion:146 Resp: 464682
Ion Ratio Lower Upper
146 100
111 42.0 28.6 53.2
148 62.3 41.2 76.4



#65
1,4-Dichlorobenzene
Concen: 46.624 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW023644.D
Acq: 13 Jul 2022 12:55

Tgt Ion:146 Resp: 486788
Ion Ratio Lower Upper
146 100
111 39.9 29.4 54.6
148 64.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 47.586 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

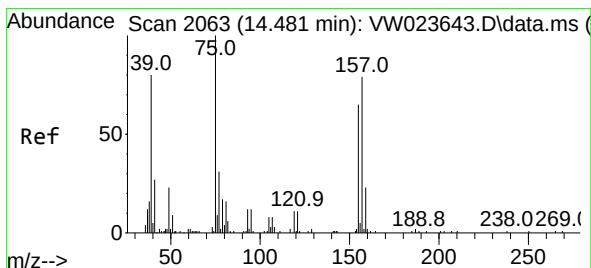
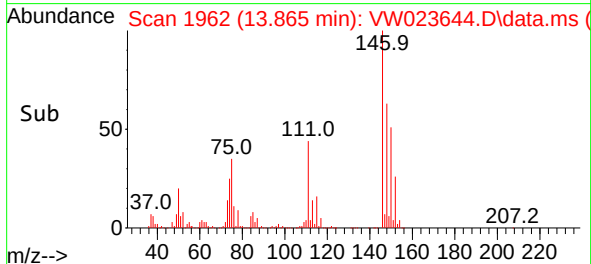
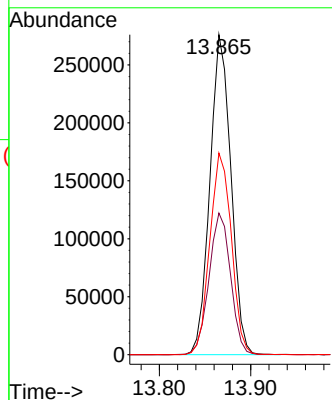
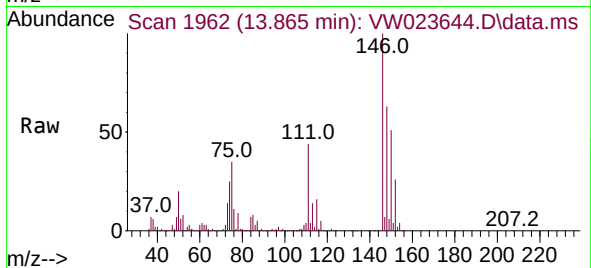
Tgt Ion:146 Resp: 440421

Ion Ratio Lower Upper

146 100

111 44.3 35.9 53.9

148 63.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 44.515 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

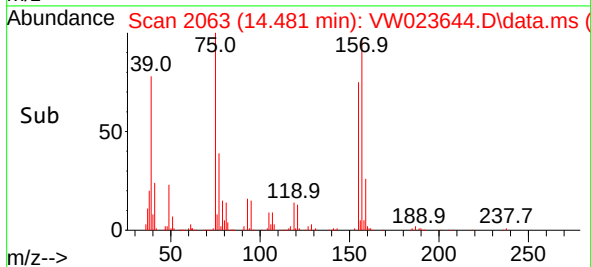
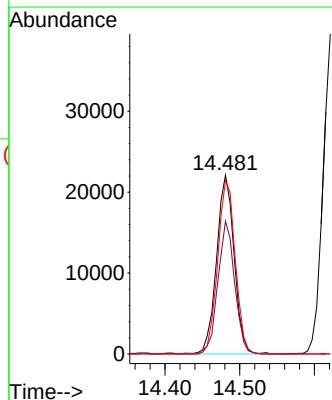
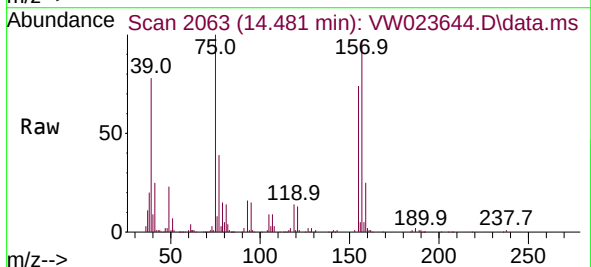
Tgt Ion: 75 Resp: 36224

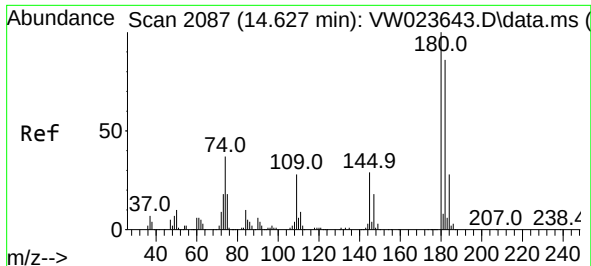
Ion Ratio Lower Upper

75 100

155 74.2 51.7 77.5

157 96.8 63.5 95.3#

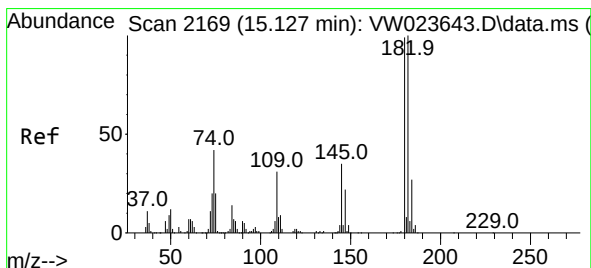
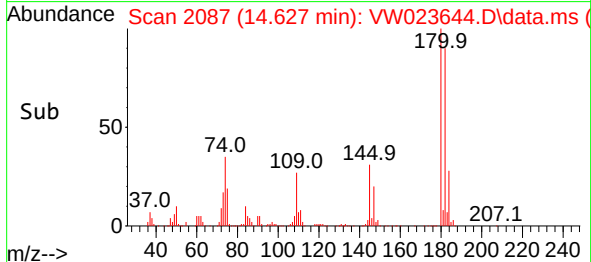
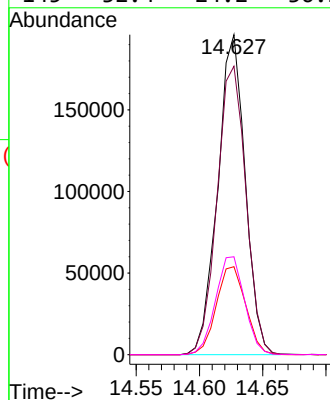
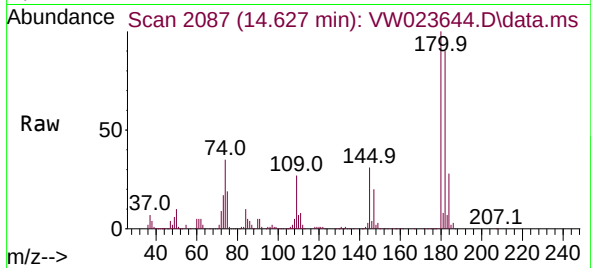




#69
 1,3,5-Trichlorobenzene
 Concen: 45.595 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. 0.000 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

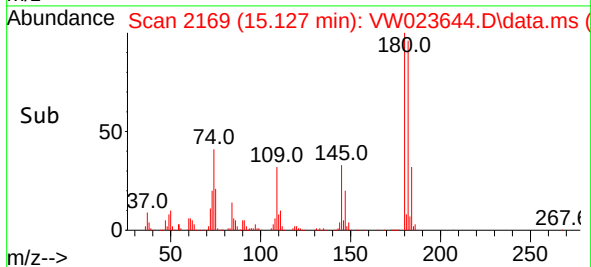
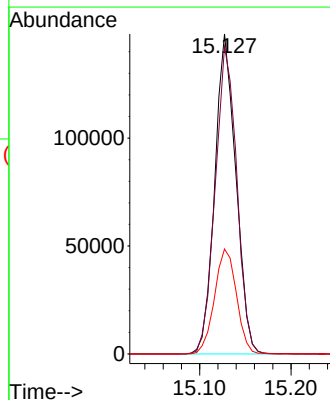
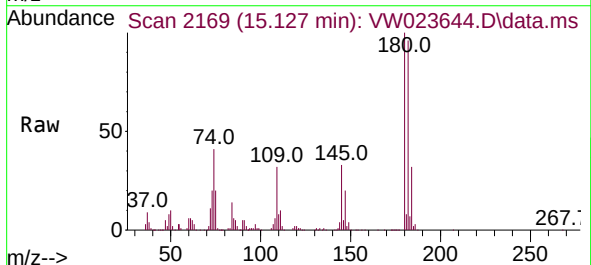
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050453

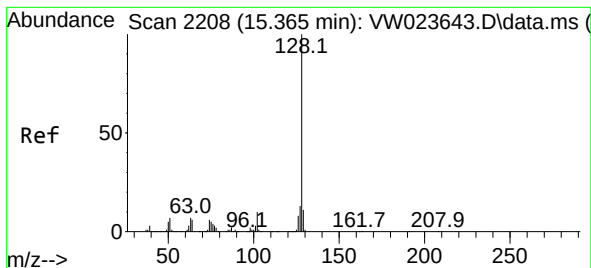
Tgt Ion:180 Resp: 296168
 Ion Ratio Lower Upper
 180 100
 182 94.7 70.2 105.2
 184 29.6 22.6 34.0
 145 32.4 24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 47.435 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. 0.000 min
 Lab File: VW023644.D
 Acq: 13 Jul 2022 12:55

Tgt Ion:180 Resp: 237922
 Ion Ratio Lower Upper
 180 100
 182 98.2 77.5 116.3
 145 34.1 26.3 39.5





#71

Naphthalene

Concen: 54.163 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

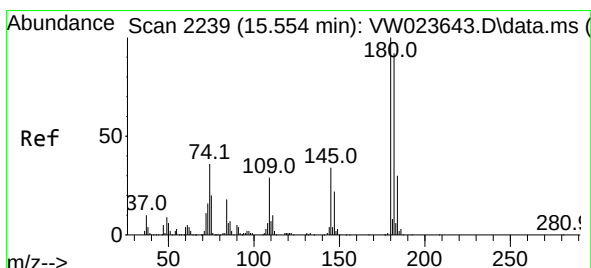
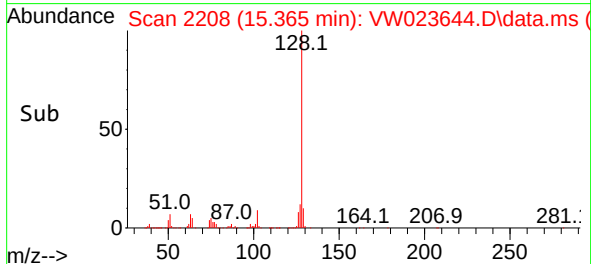
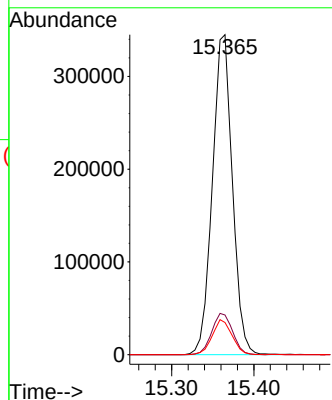
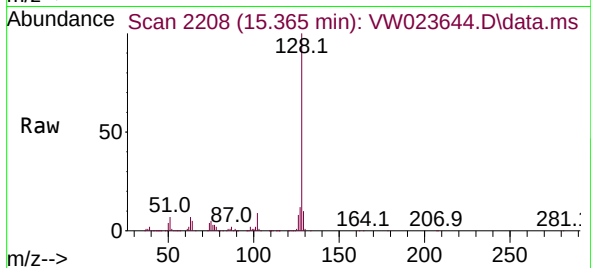
Tgt Ion:128 Resp: 582748

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 48.296 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW023644.D

Acq: 13 Jul 2022 12:55

Tgt Ion:180 Resp: 225789

Ion Ratio Lower Upper

180 100

182 96.7 76.3 114.5

145 34.3 27.8 41.6

