

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027011.D
 Acq On : 14 Feb 2022 11:20
 Operator : JC/MD
 Sample : VSTD100663
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100663

Quant Time: Feb 15 05:01:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 04:56:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	126861	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	120634	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	62443	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	118114	104.892	ug/L	0.00
7) Chloroethane-d5	1.672	69	78687	108.904	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.312	63	231257	107.106	ug/L	0.00
21) 2-Butanone-d5	4.452	46	170479	217.952	ug/L	0.00
24) Chloroform-d	5.062	84	226176	106.956	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	143786	104.915	ug/L	0.00
32) Benzene-d6	5.976	84	454463	104.578	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	136521	105.759	ug/L	0.00
41) Toluene-d8	8.653	98	418129	105.161	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	65951	112.053	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	124482	223.054	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	158840	104.118	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	150089	105.815	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	150248	110.343	ug/L	99
3) Chloromethane	1.294	50	115988	108.240	ug/L	99
5) Vinyl chloride	1.380	62	117964	109.493	ug/L	100
6) Bromomethane	1.617	94	48163	105.092	ug/L	99
8) Chloroethane	1.691	64	64247	110.309	ug/L	95
9) Trichlorofluoromethane	1.892	101	164825	109.977	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	107398	111.153	ug/L	99
12) 1,1-Dichloroethene	2.325	96	99056	111.597	ug/L	89
13) Acetone	2.386	43	131844	200.286	ug/L	100
14) Carbon disulfide	2.520	76	295789	112.489	ug/L	99
15) Methyl Acetate	2.703	43	115607	113.686	ug/L	99
16) Methylene chloride	2.794	84	107550	110.586	ug/L	98
17) trans-1,2-Dichloroethene	3.099	96	104326	111.080	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	327790	113.726	ug/L	99
19) 1,1-Dichloroethane	3.617	63	188416	112.476	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	115951	112.507	ug/L	99
22) 2-Butanone	4.562	43	183625	217.786	ug/L	100
23) Bromochloromethane	4.910	128	59254	112.588	ug/L	97
25) Chloroform	5.098	83	198633	110.848	ug/L	97
27) 1,2-Dichloroethane	6.092	62	155443	112.150	ug/L	99
29) Cyclohexane	5.476	56	186530	112.782	ug/L	99
30) 1,1,1-Trichloroethane	5.391	97	176715	112.571	ug/L	100
31) Carbon tetrachloride	5.684	117	158203	113.607	ug/L	99
33) Benzene	6.043	78	430256	110.383	ug/L	100
34) Trichloroethene	7.129	95	125099	112.199	ug/L	98
35) Methylcyclohexane	7.385	83	191979	113.935	ug/L	100
37) 1,2-Dichloropropane	7.433	63	109479	111.676	ug/L	100
38) Bromodichloromethane	7.824	83	149891	113.906	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	173720	118.237	ug/L	97
40) 4-Methyl-2-pentanone	8.573	43	321350	230.605	ug/L	99
42) Toluene	8.720	91	463950	110.860	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	165365	119.758	ug/L	99

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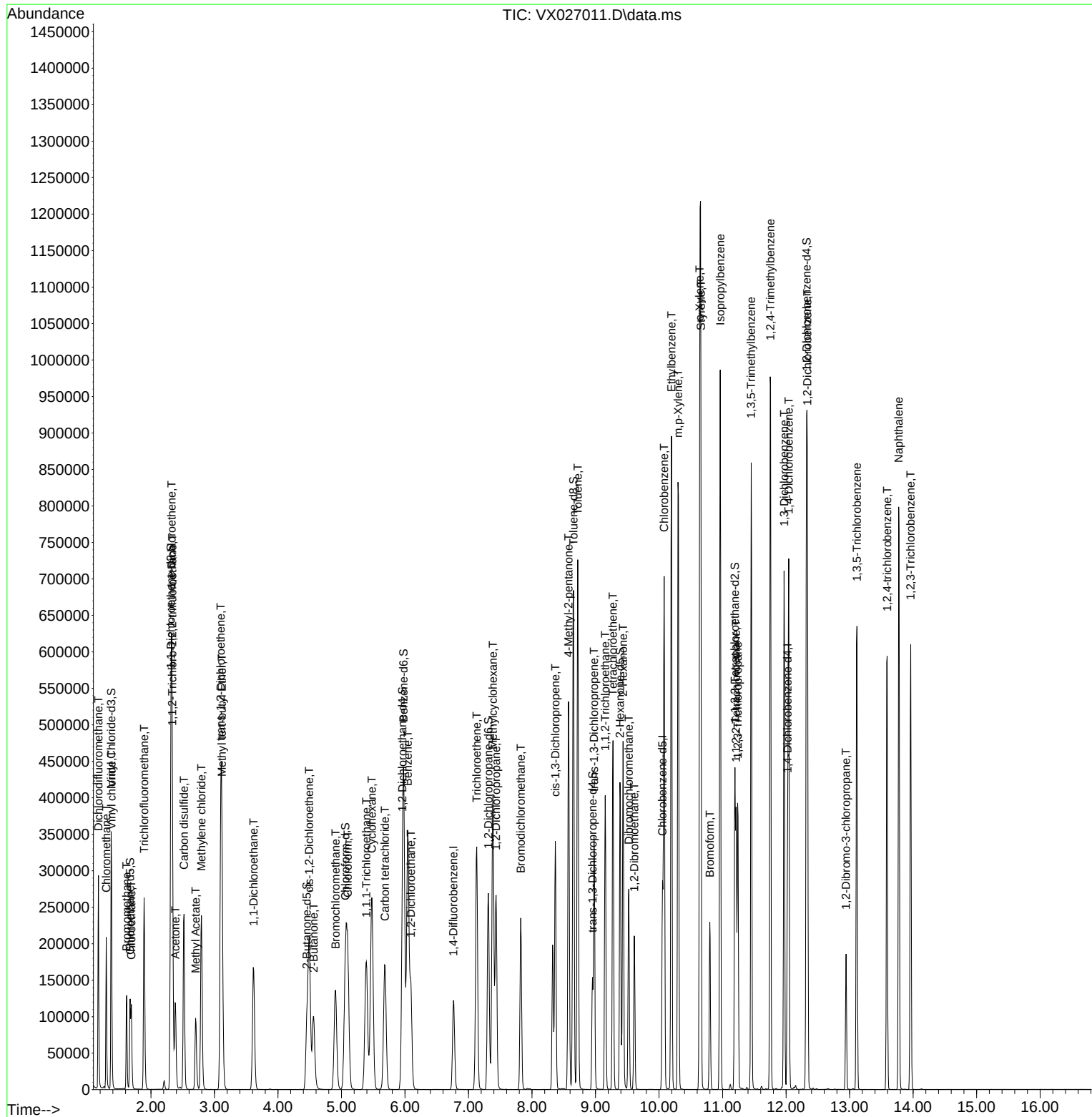
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	105919	110.501	ug/L	98
46) Tetrachloroethene	9.275	164	91245	110.527	ug/L	97
48) 2-Hexanone	9.433	43	247886	219.720	ug/L	99
49) Dibromochloromethane	9.525	129	121845	115.911	ug/L	99
50) 1,2-Dibromoethane	9.610	107	113605	112.898	ug/L	96
51) Chlorobenzene	10.079	112	300850	112.263	ug/L	100
52) Ethylbenzene	10.195	91	506843	112.589	ug/L	100
53) m,p-Xylene	10.299	106	201887	113.754	ug/L	97
54) o-Xylene	10.640	106	193347	113.887	ug/L	97
55) Styrene	10.658	104	332289	115.572	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	137337	108.204	ug/L	99
59) Bromoform	10.799	173	83932	117.137	ug/L	99
60) Isopropylbenzene	10.963	105	508041	112.609	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	127100	107.312	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	360708	115.916	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	433380	114.674	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	224933	112.080	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	224675	111.248	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	215965	111.304	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	34884	121.289	ug/L	97
69) 1,3,5-Trichlorobenzene	13.115	180	159864	115.916	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	145225	119.272	ug/L	100
71) Naphthalene	13.774	128	491692	121.281	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	142200	116.805	ug/L	99

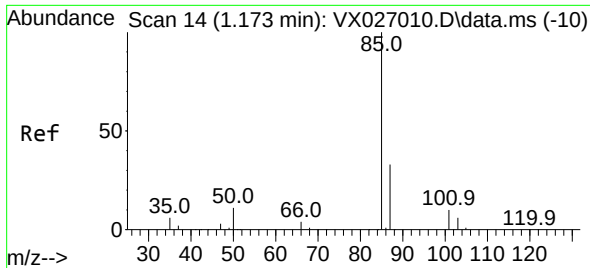
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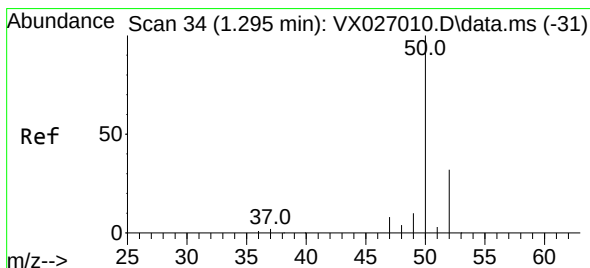
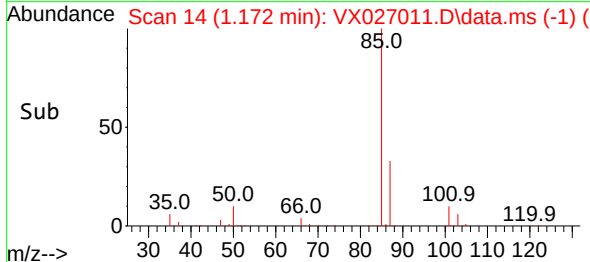
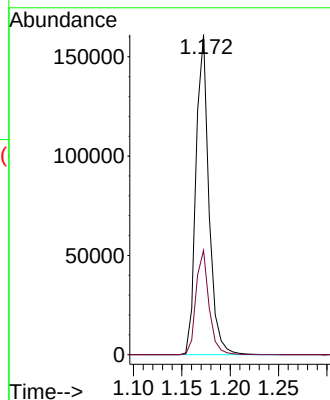
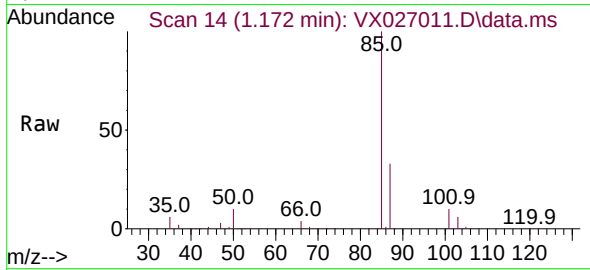




#2
 Dichlorodifluoromethane
 Concen: 110.343 ug/L
 RT: 1.172 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

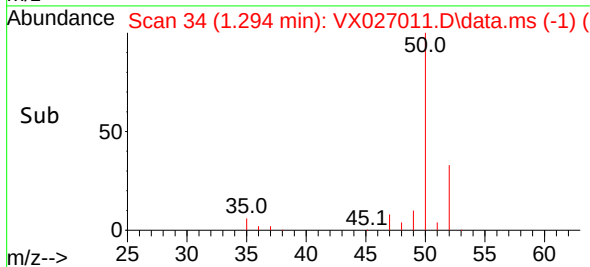
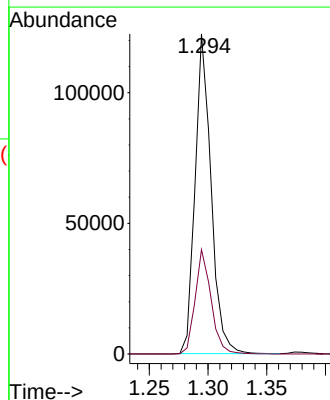
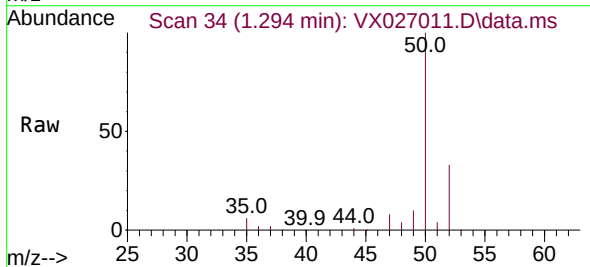
Instrument :
 MSVOA_X
 ClientSampleId :
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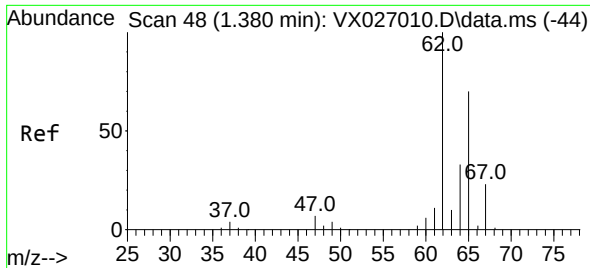
Tgt Ion: 85 Resp: 150248
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 108.240 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

Tgt Ion: 50 Resp: 115988
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.7

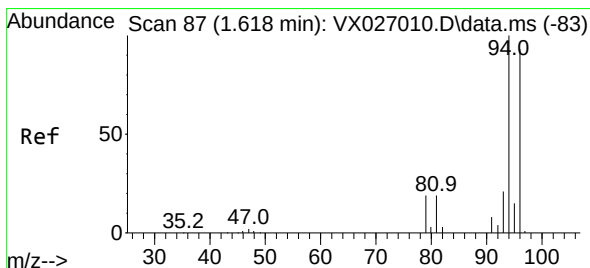
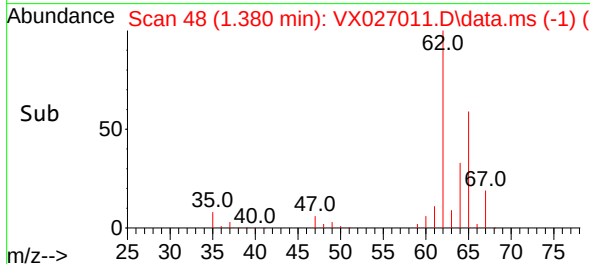
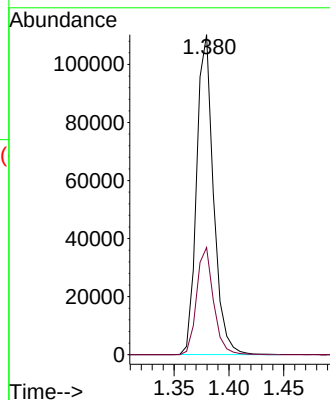
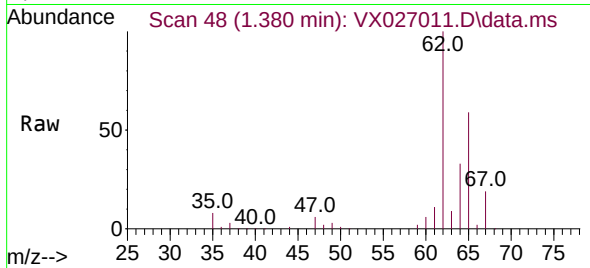




#5
 Vinyl chloride
 Concen: 109.493 ug/L
 RT: 1.380 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

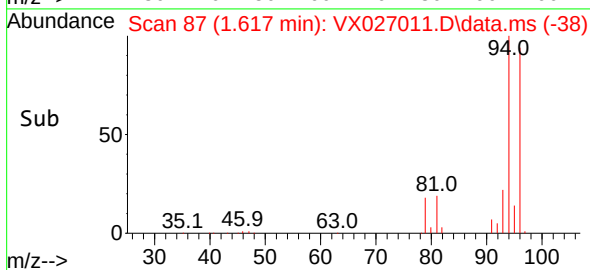
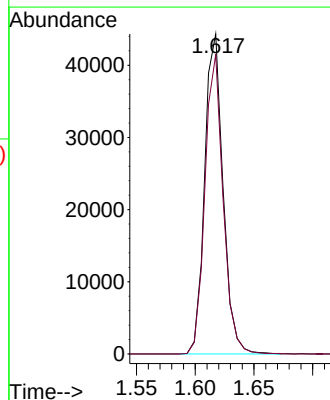
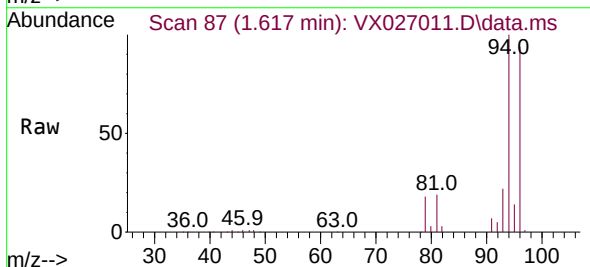
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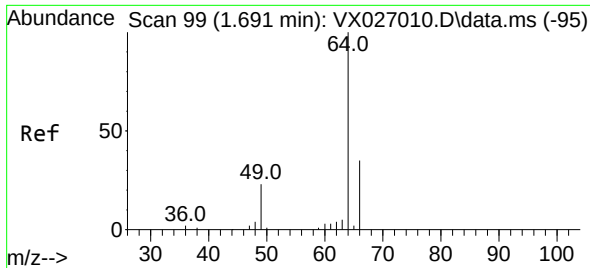
Tgt Ion: 62 Resp: 117964
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.3 43.3



#6
 Bromomethane
 Concen: 105.092 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

Tgt Ion: 94 Resp: 48163
 Ion Ratio Lower Upper
 94 100
 96 93.6 64.9 120.5

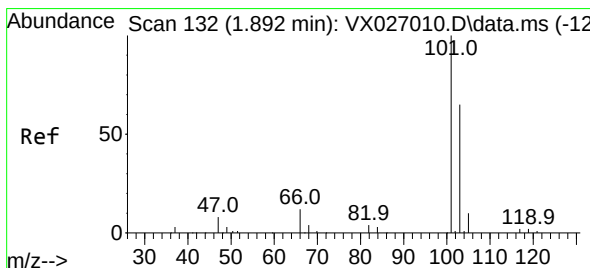
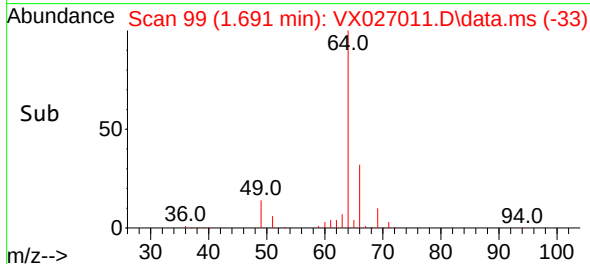
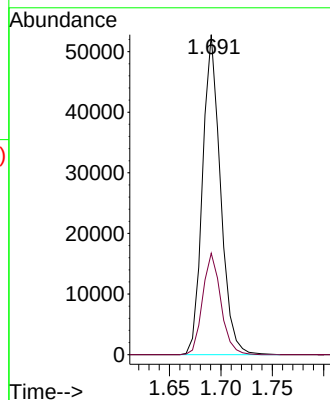
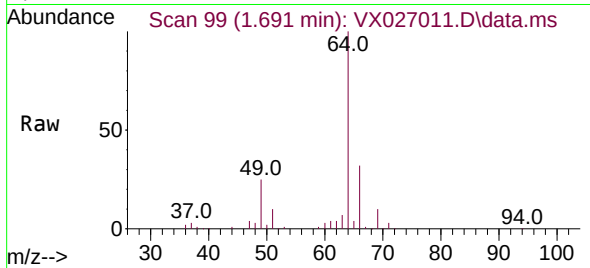




#8
Chloroethane
Concen: 110.309 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

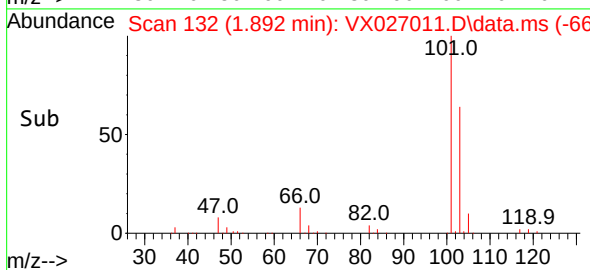
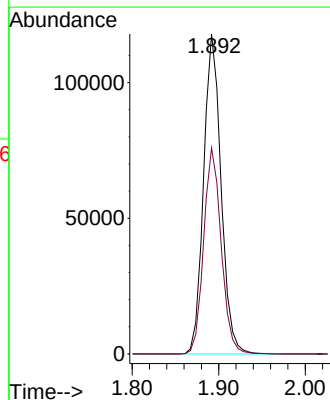
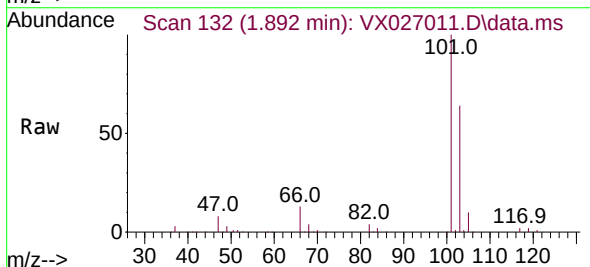
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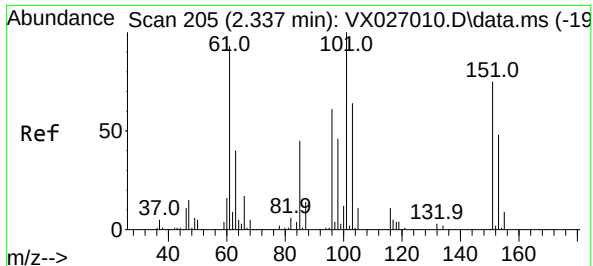
Tgt Ion: 64 Resp: 64247
Ion Ratio Lower Upper
64 100
66 31.7 24.2 45.0



#9
Trichlorofluoromethane
Concen: 109.977 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion:101 Resp: 164825
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

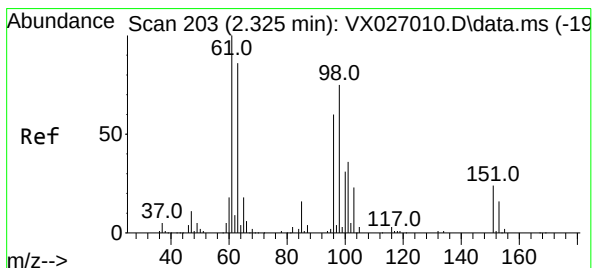
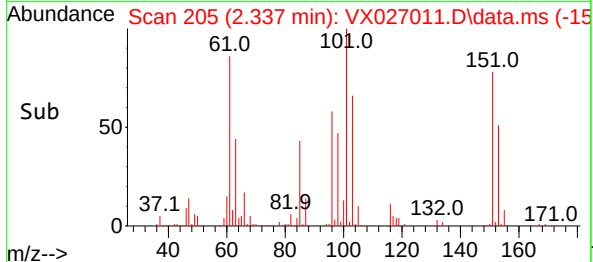
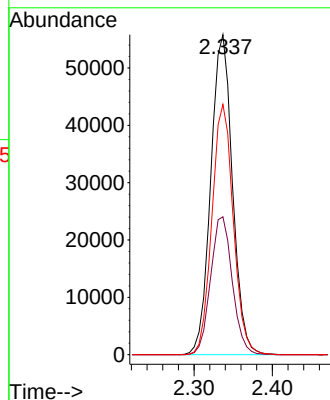
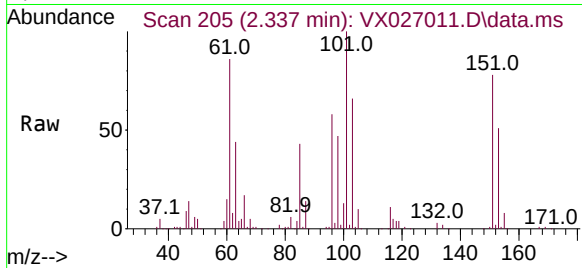




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 111.153 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

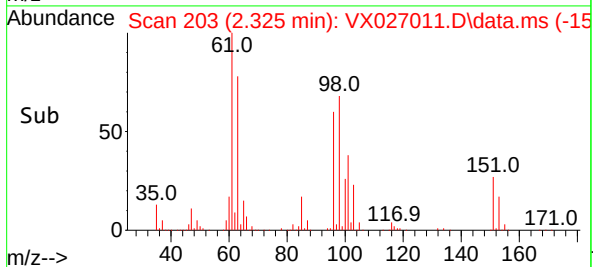
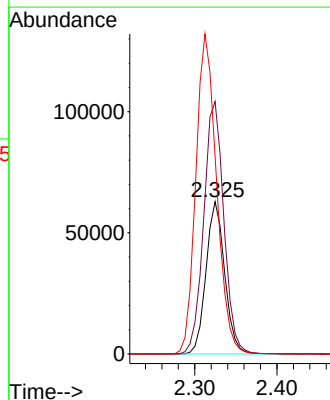
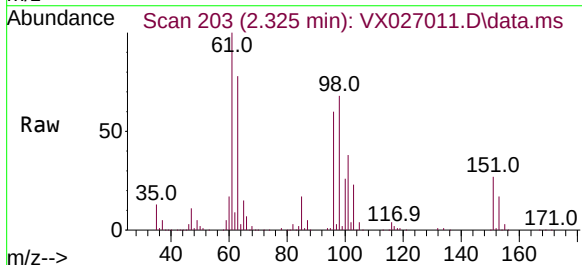
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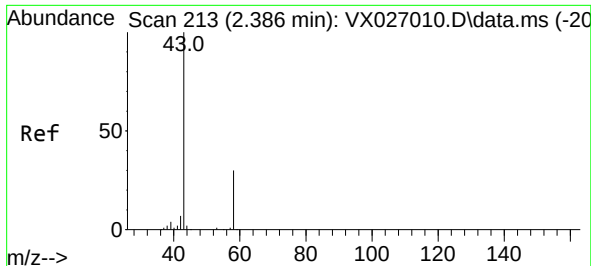
Tgt Ion:101 Resp: 107398
 Ion Ratio Lower Upper
 101 100
 85 43.1 33.9 50.9
 151 77.0 60.7 91.1



#12
 1,1-Dichloroethene
 Concen: 111.597 ug/L
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

Tgt Ion: 96 Resp: 99056
 Ion Ratio Lower Upper
 96 100
 61 165.7 118.2 219.4
 63 129.9 109.6 203.4





#13

Acetone

Concen: 200.286 ug/L

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

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ClientSampleId :

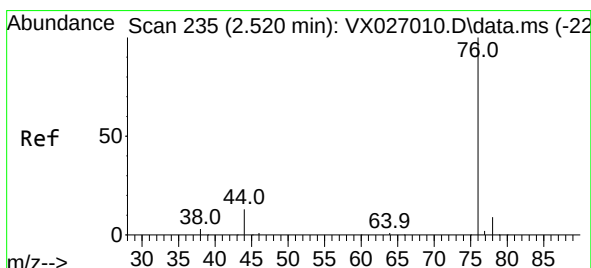
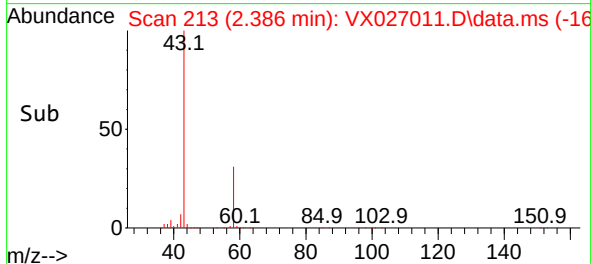
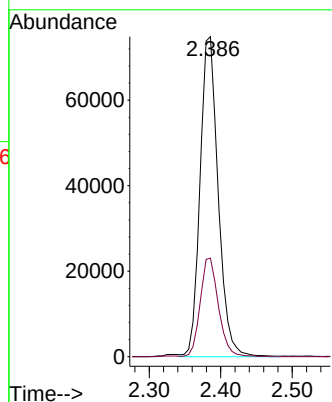
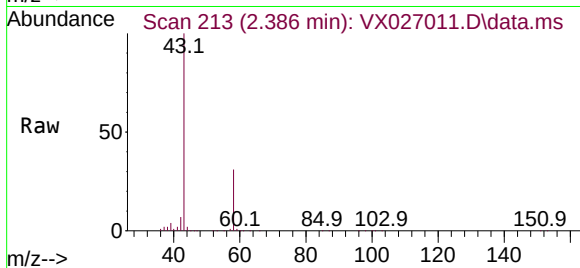
VSTD100663

Tgt Ion: 43 Resp: 131844

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#14

Carbon disulfide

Concen: 112.489 ug/L

RT: 2.520 min Scan# 235

Delta R.T. -0.000 min

Lab File: VX027011.D

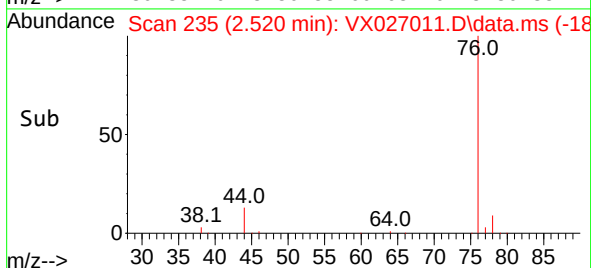
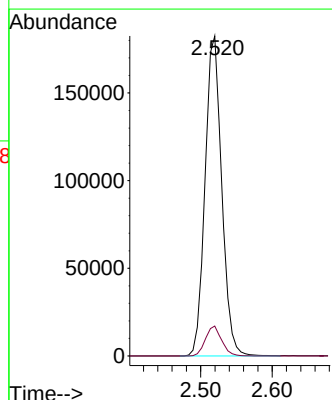
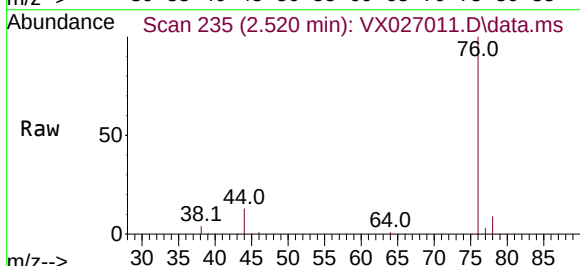
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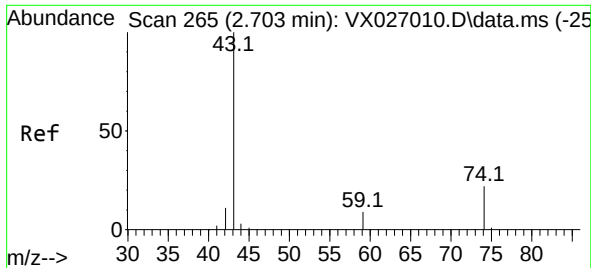
Tgt Ion: 76 Resp: 295789

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

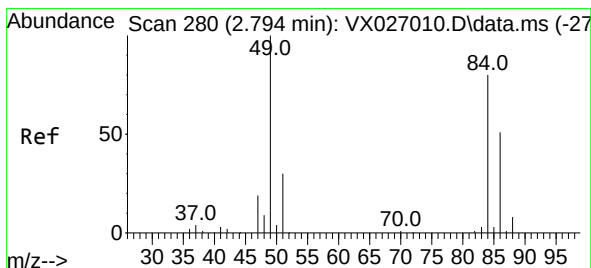
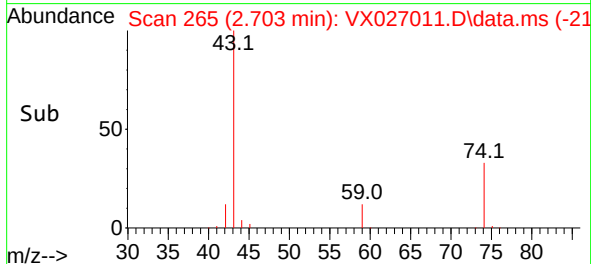
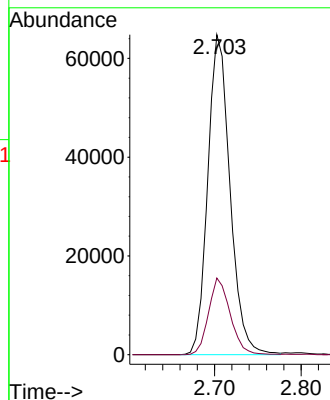
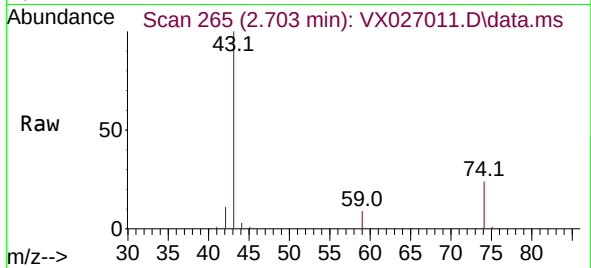




#15
Methyl Acetate
Concen: 113.686 ug/L
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

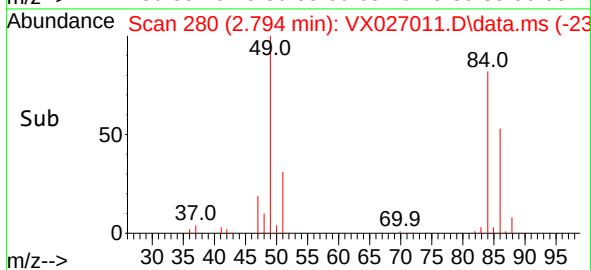
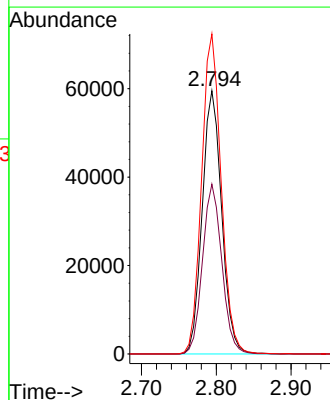
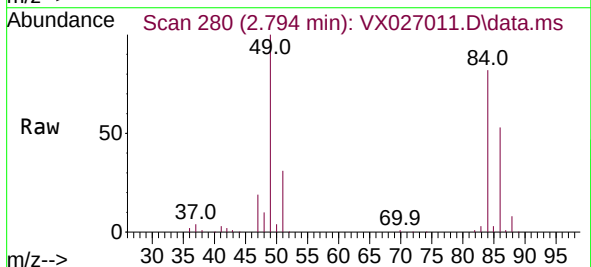
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

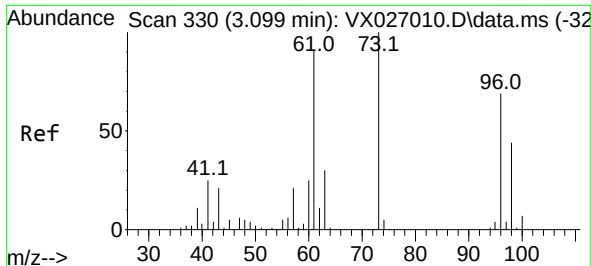
Tgt Ion: 43 Resp: 115607
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.4



#16
Methylene chloride
Concen: 110.586 ug/L
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion: 84 Resp: 107550
Ion Ratio Lower Upper
84 100
86 64.5 44.8 83.2
49 121.6 87.0 161.6

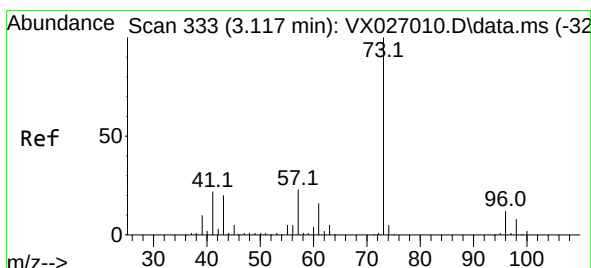
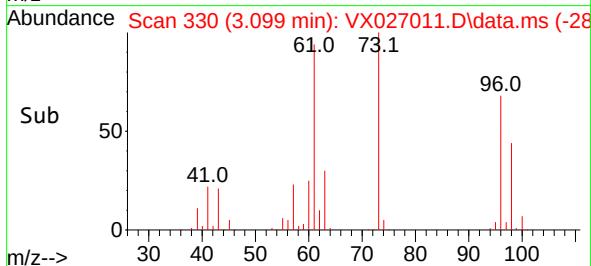
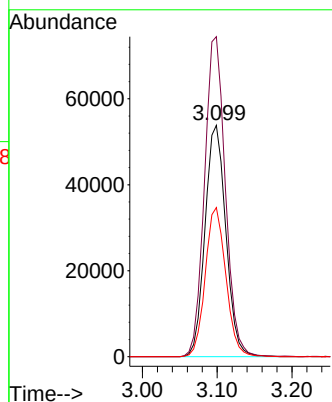
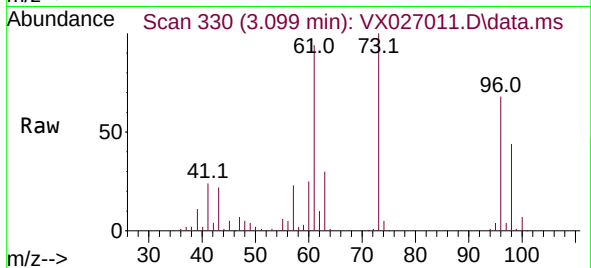




#17
trans-1,2-Dichloroethene
Concen: 111.080 ug/L
RT: 3.099 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

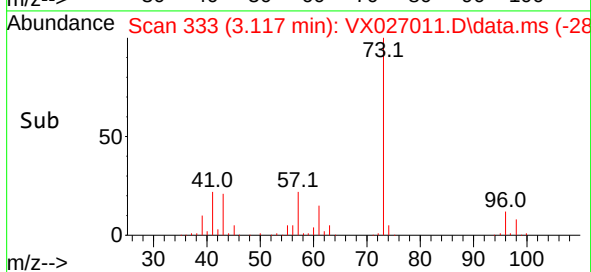
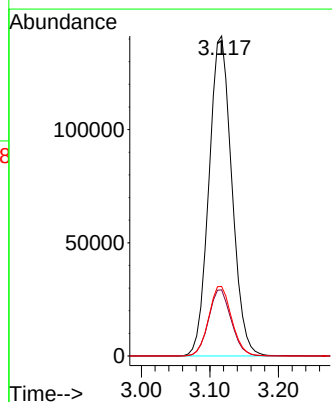
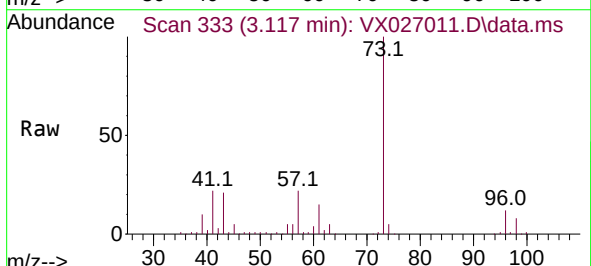
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

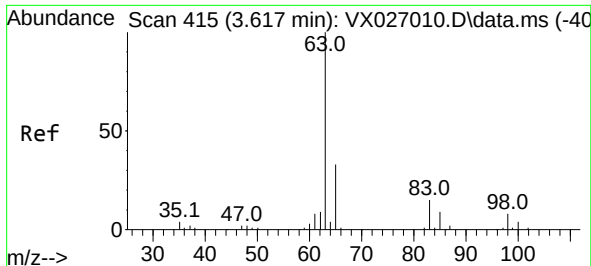
Tgt Ion: 96 Resp: 104326
Ion Ratio Lower Upper
96 100
61 138.3 93.0 172.6
98 64.4 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 113.726 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion: 73 Resp: 327790
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 21.8 17.1 25.7

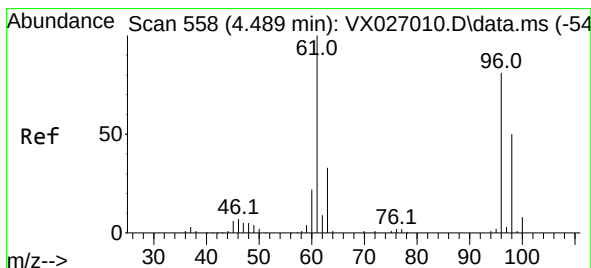
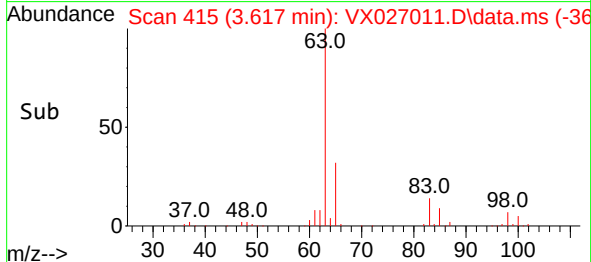
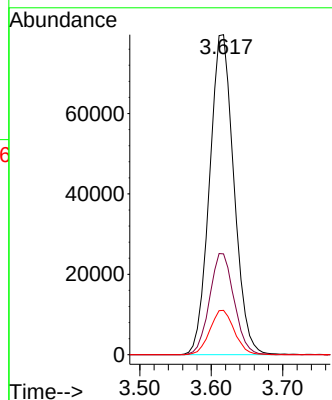
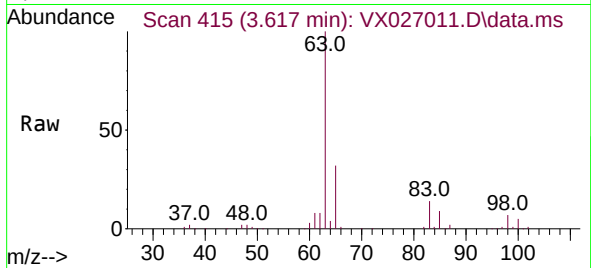




#19
 1,1-Dichloroethane
 Concen: 112.476 ug/L
 RT: 3.617 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

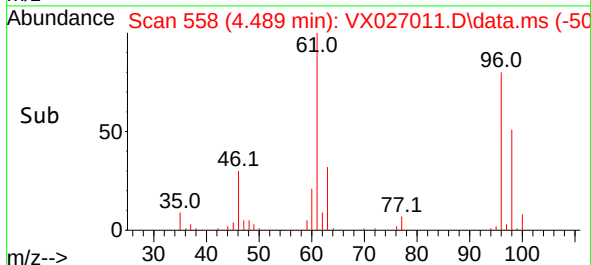
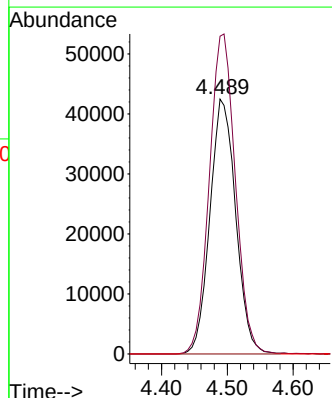
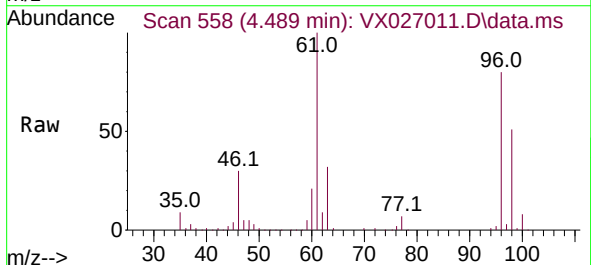
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100663

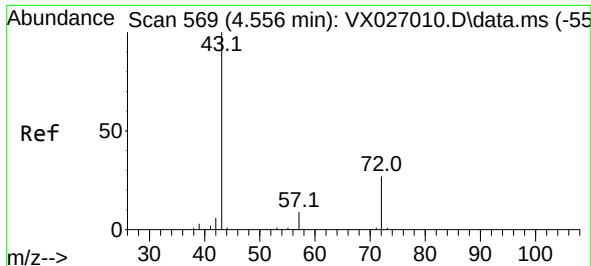
Tgt Ion: 63 Resp: 188416
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.9 42.5
 83 13.8 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 112.507 ug/L
 RT: 4.489 min Scan# 558
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

Tgt Ion: 96 Resp: 115951
 Ion Ratio Lower Upper
 96 100
 61 124.6 86.7 161.1
 68 0.0 0.0 0.0

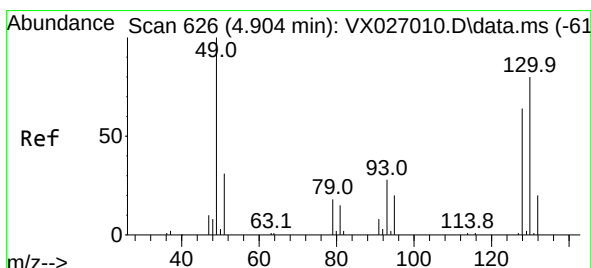
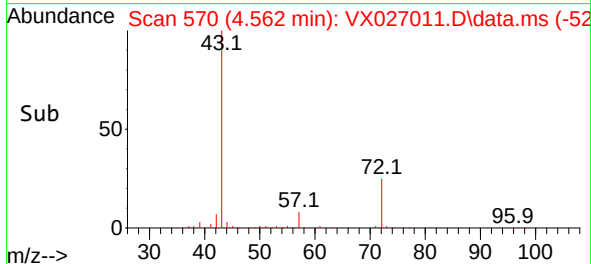
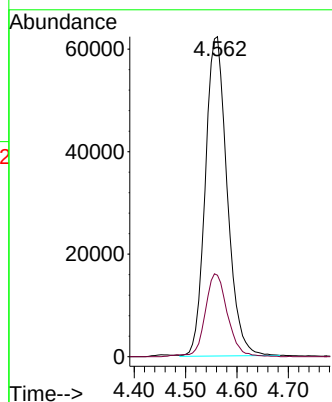
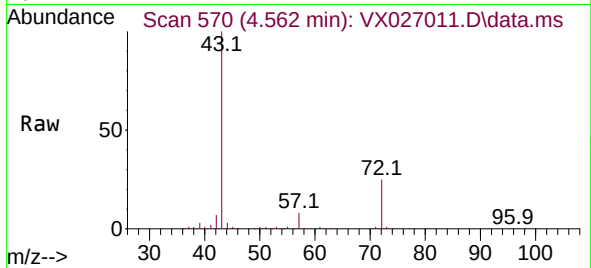




#22
2-Butanone
Concen: 217.786 ug/L
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

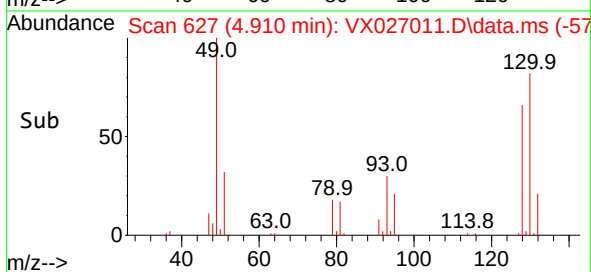
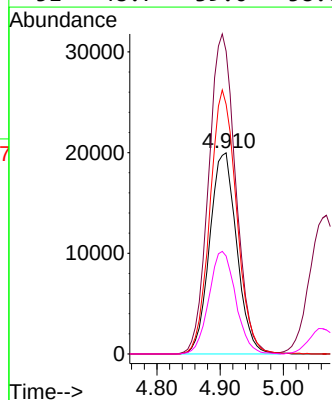
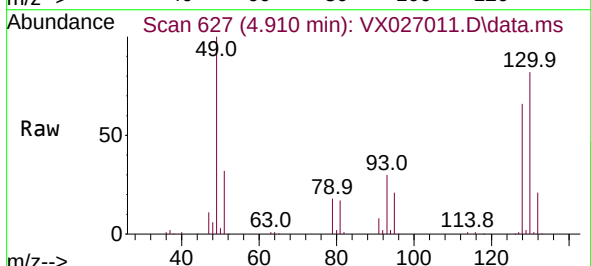
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

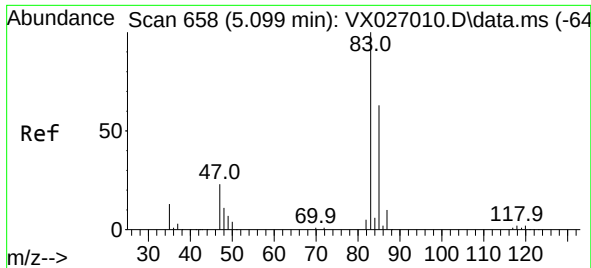
Tgt Ion: 43 Resp: 183625
Ion Ratio Lower Upper
43 100
72 26.2 13.2 39.5



#23
Bromochloromethane
Concen: 112.588 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.006 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion:128 Resp: 59254
Ion Ratio Lower Upper
128 100
49 150.5 110.2 204.6
130 124.1 88.2 163.8
51 48.7 39.0 58.6

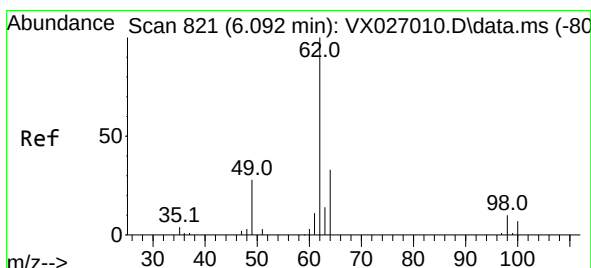
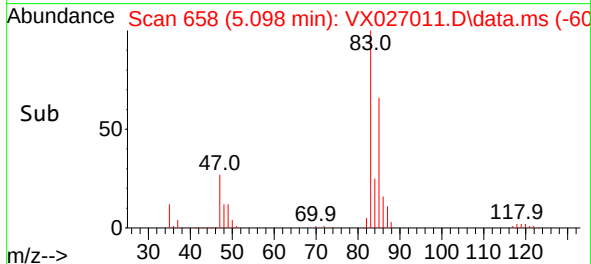
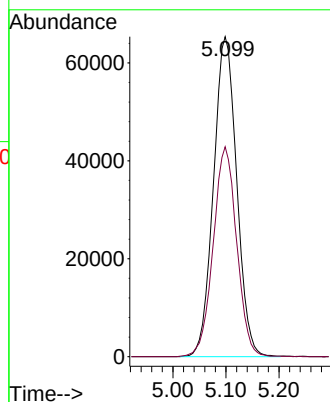
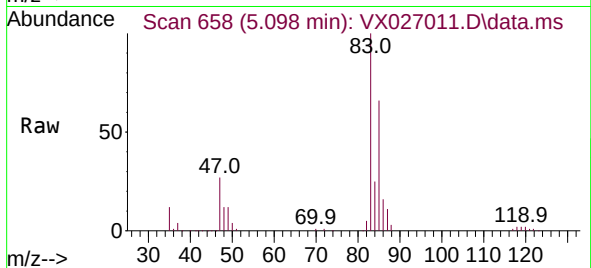




#25
Chloroform
Concen: 110.848 ug/L
RT: 5.098 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

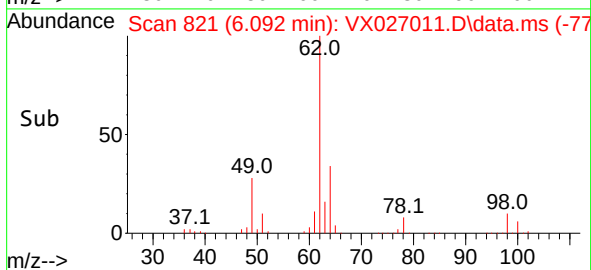
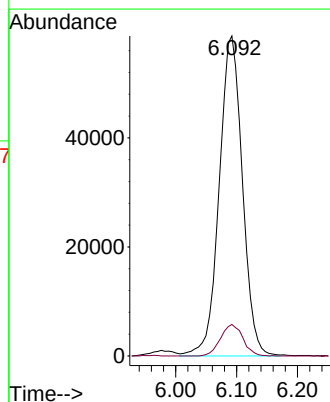
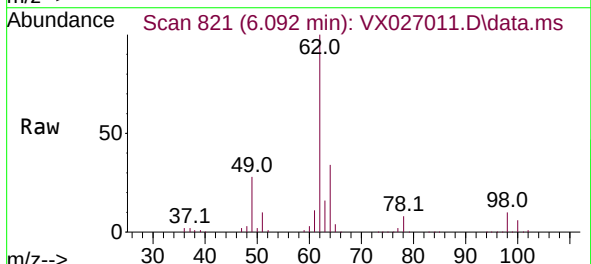
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

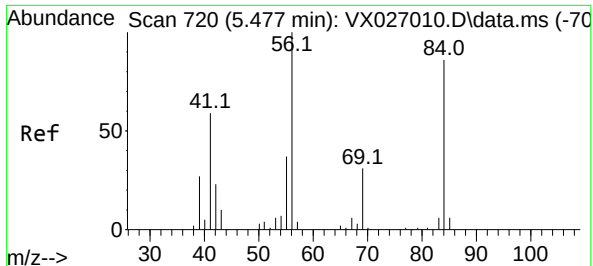
Tgt Ion: 83 Resp: 198633
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 112.150 ug/L
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion: 62 Resp: 155443
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2





#29

Cyclohexane

Concen: 112.782 ug/L

RT: 5.476 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

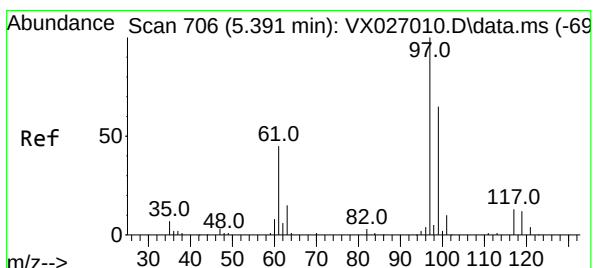
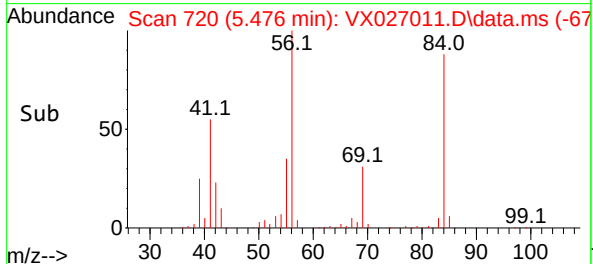
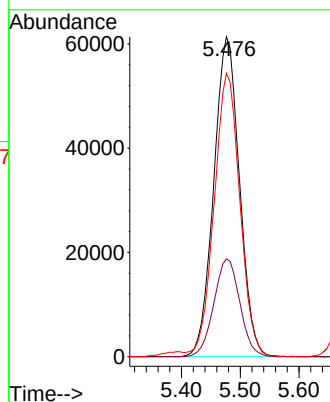
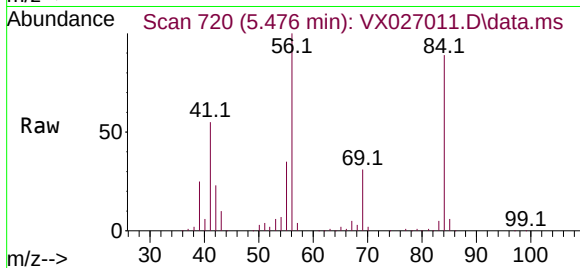
Tgt Ion: 56 Resp: 186530

Ion Ratio Lower Upper

56 100

69 30.8 24.6 36.8

84 88.7 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 112.571 ug/L

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

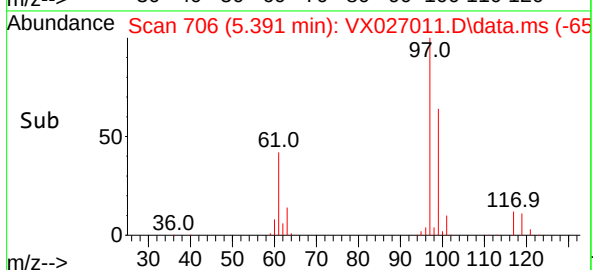
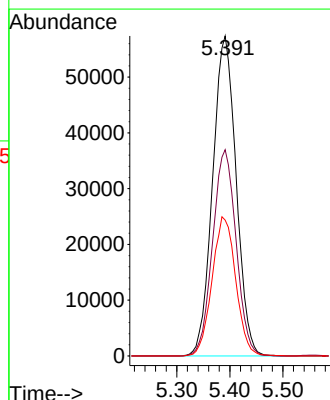
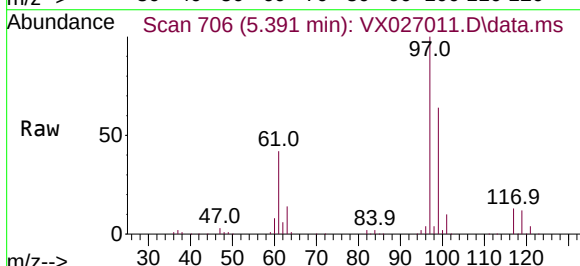
Tgt Ion: 97 Resp: 176715

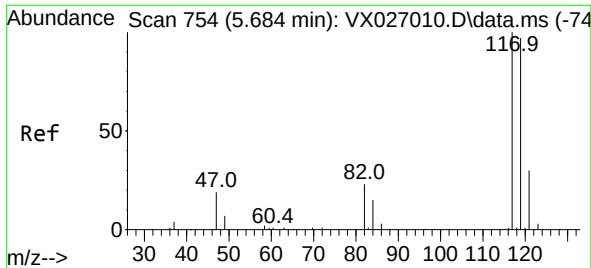
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 43.8 35.2 52.8

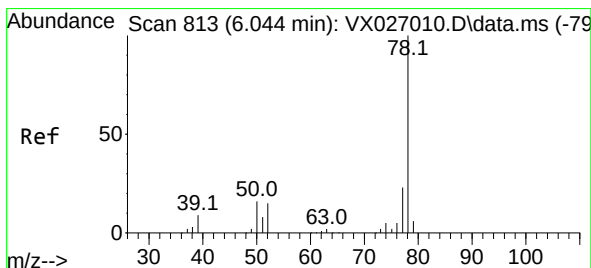
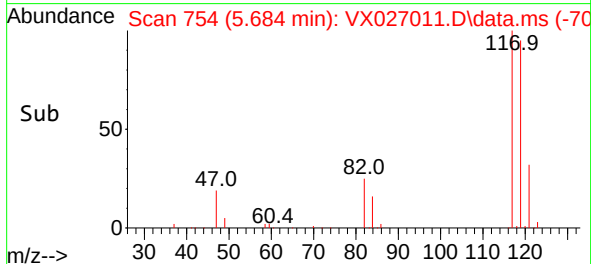
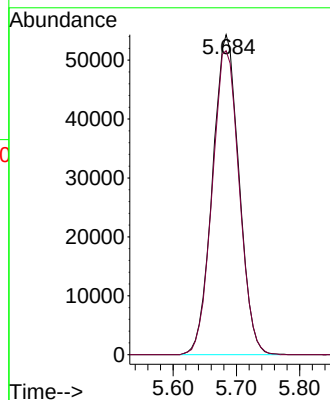
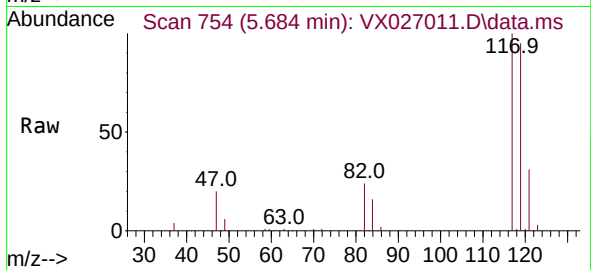




#31
Carbon tetrachloride
Concen: 113.607 ug/L
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

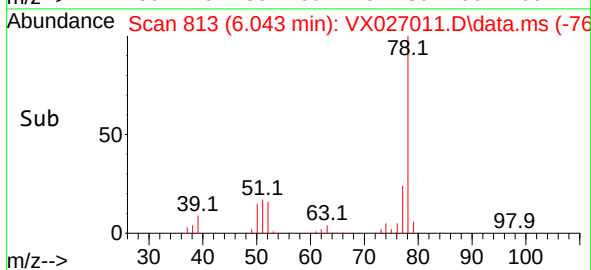
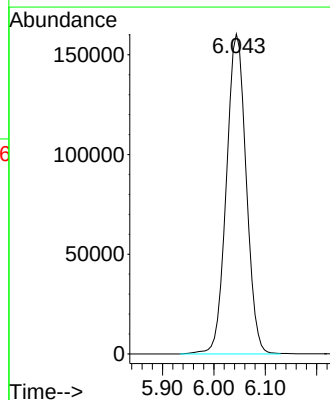
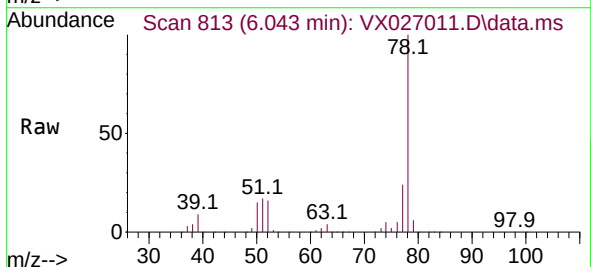
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

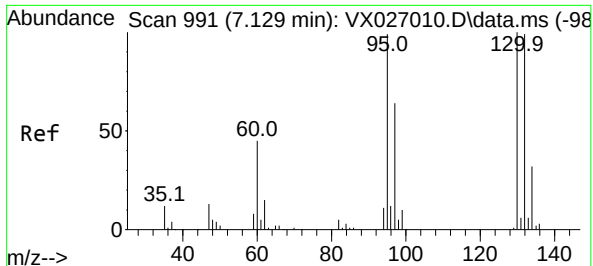
Tgt Ion:117 Resp: 158203
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.8



#33
Benzene
Concen: 110.383 ug/L
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion: 78 Resp: 430256

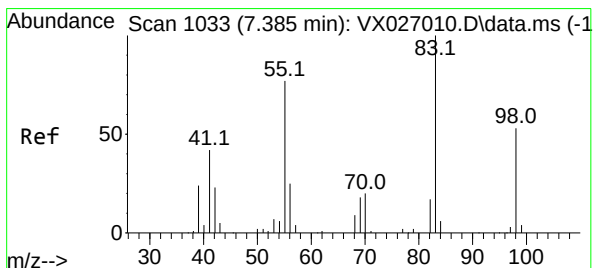
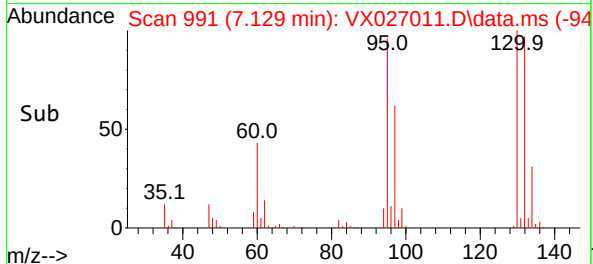
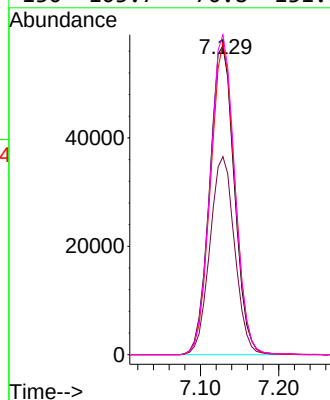
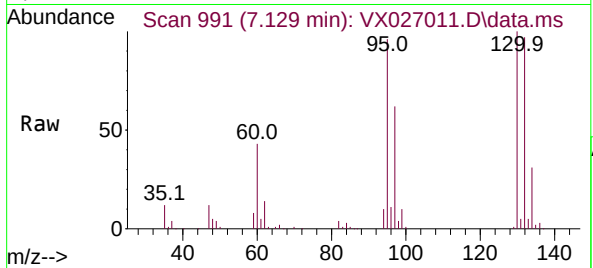




#34
Trichloroethene
Concen: 112.199 ug/L
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

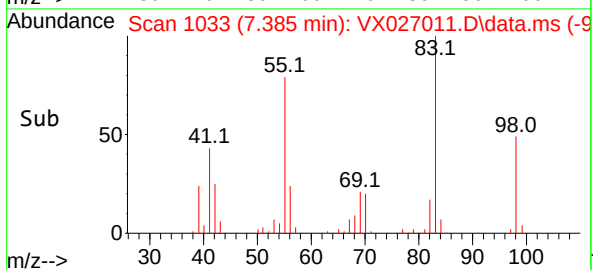
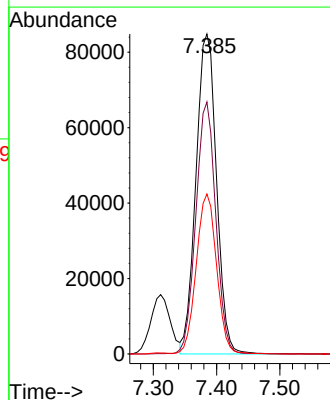
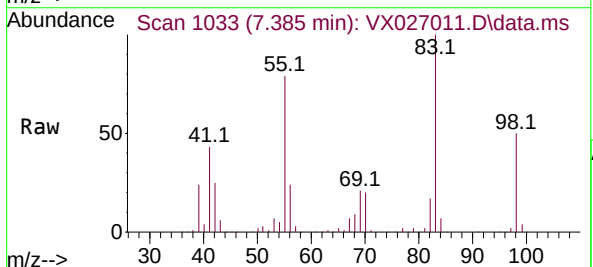
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

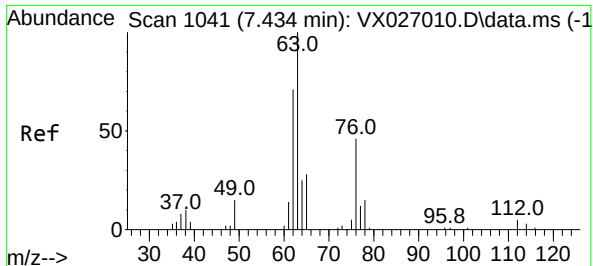
Tgt Ion: 95 Resp: 125099
Ion Ratio Lower Upper
95 100
97 64.2 45.5 84.5
132 100.8 69.9 129.7
130 103.7 70.8 131.6



#35
Methylcyclohexane
Concen: 113.935 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion: 83 Resp: 191979
Ion Ratio Lower Upper
83 100
55 76.0 60.6 90.8
98 49.6 39.8 59.8





#37

1,2-Dichloropropane

Concen: 111.676 ug/L

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

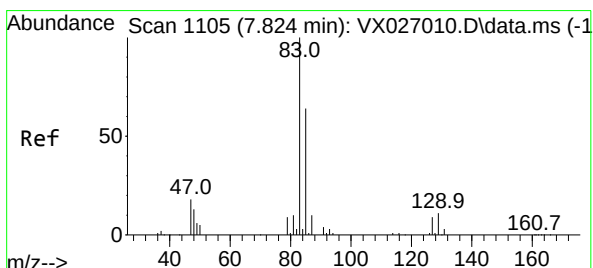
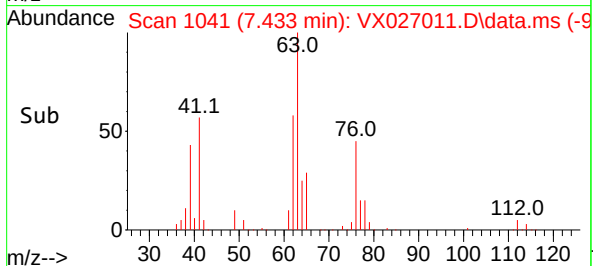
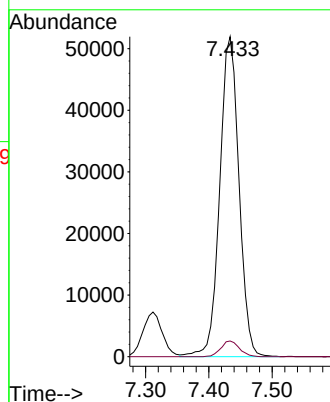
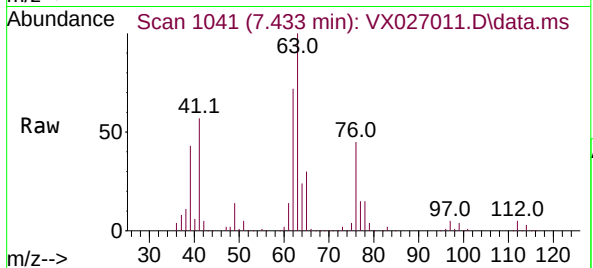
VSTD100663

Tgt Ion: 63 Resp: 109479

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 113.906 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

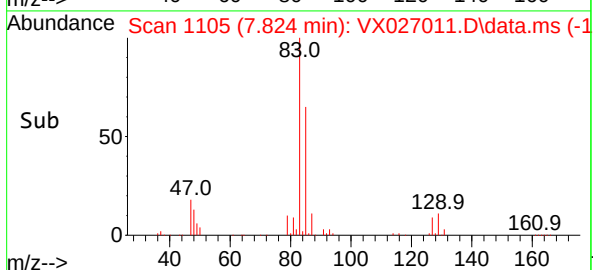
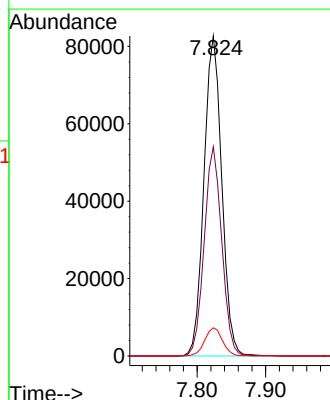
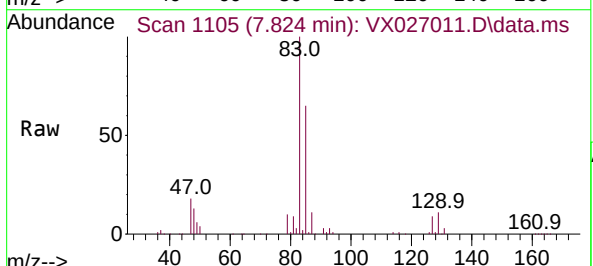
Tgt Ion: 83 Resp: 149891

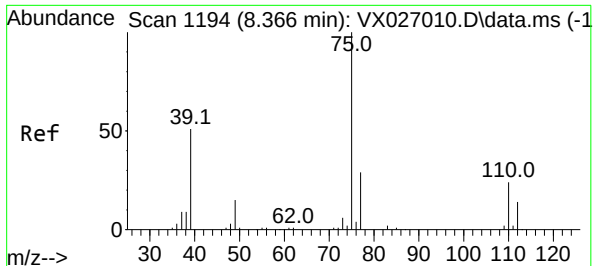
Ion Ratio Lower Upper

83 100

85 65.4 44.7 83.1

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 118.237 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

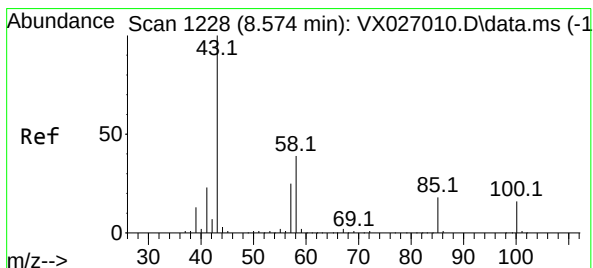
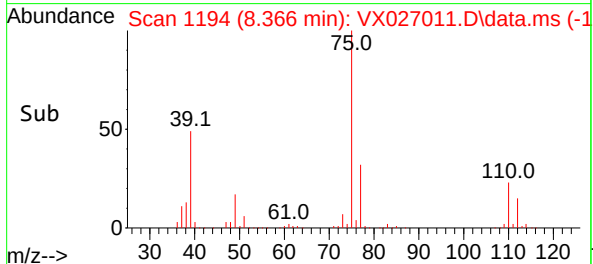
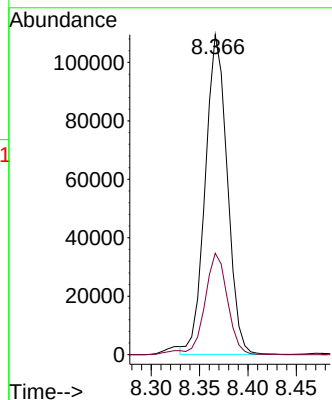
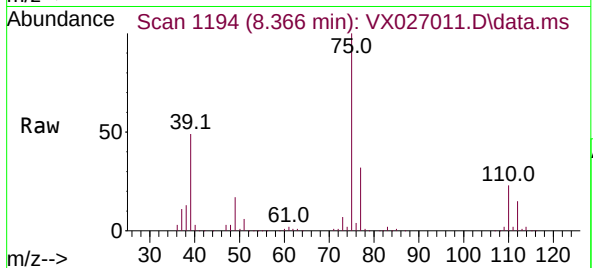
VSTD100663

Tgt Ion: 75 Resp: 173720

Ion Ratio Lower Upper

75 100

77 31.7 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 230.605 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

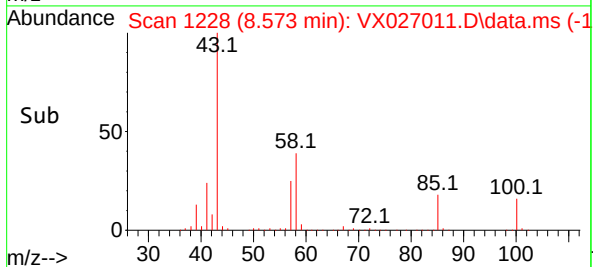
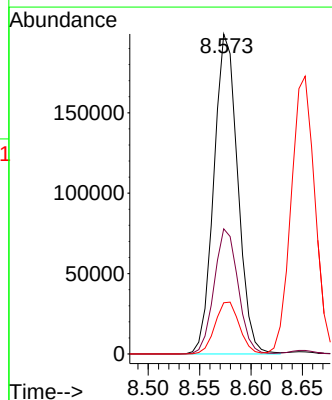
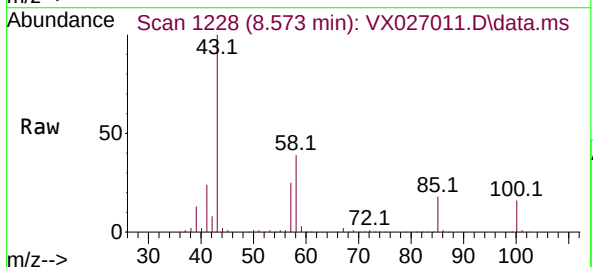
Tgt Ion: 43 Resp: 321350

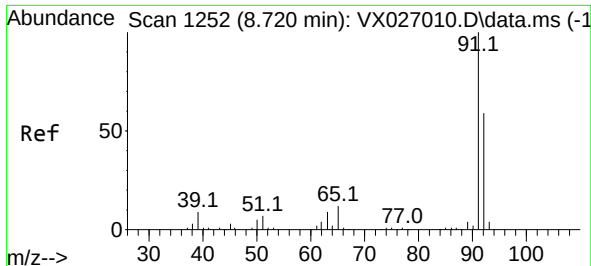
Ion Ratio Lower Upper

43 100

58 39.2 31.0 46.6

100 16.5 13.0 19.4





#42

Toluene

Concen: 110.860 ug/L

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

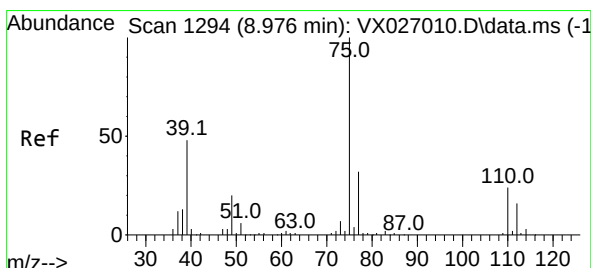
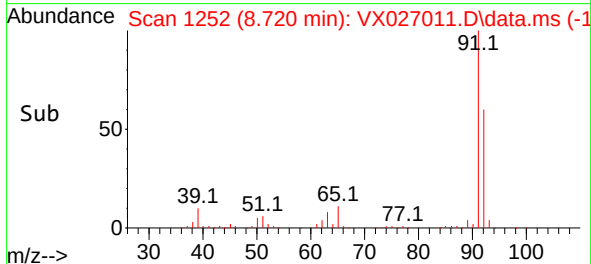
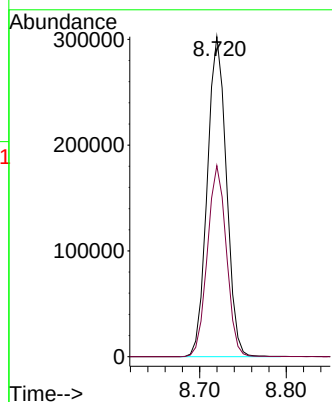
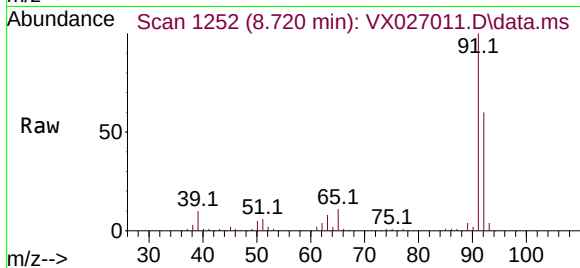
VSTD100663

Tgt Ion: 91 Resp: 463950

Ion Ratio Lower Upper

91 100

92 59.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 119.758 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX027011.D

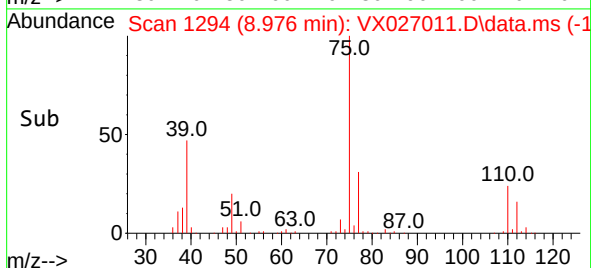
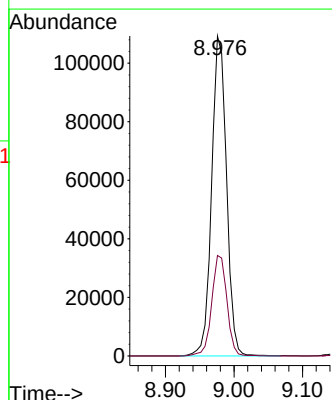
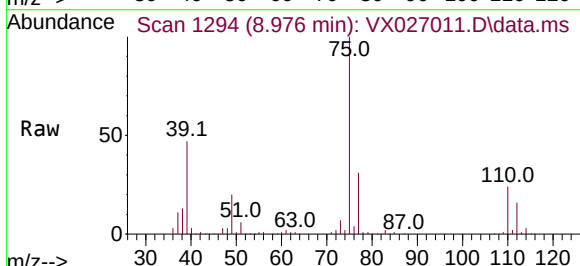
Acq: 14 Feb 2022 11:20

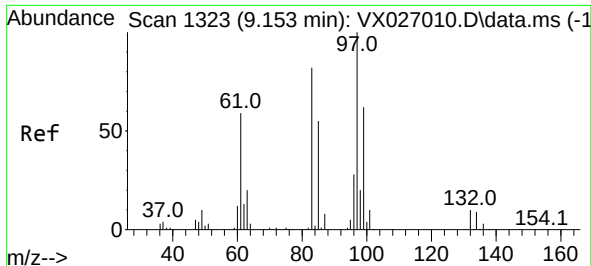
Tgt Ion: 75 Resp: 165365

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 110.501 ug/L

RT: 9.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

Tgt Ion: 97 Resp: 105919

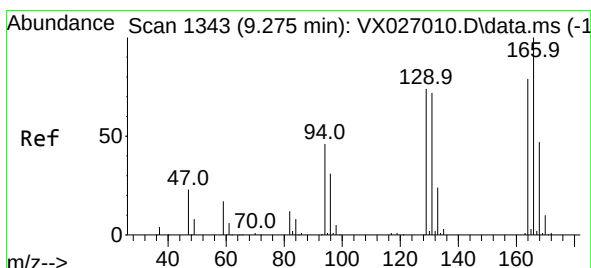
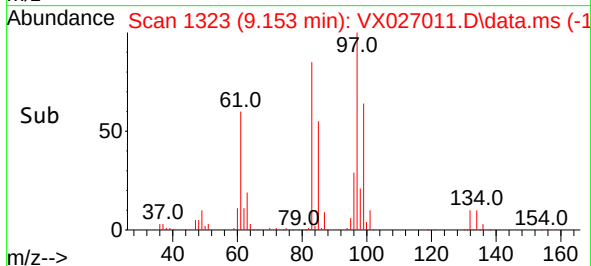
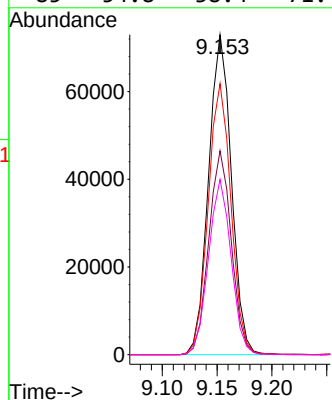
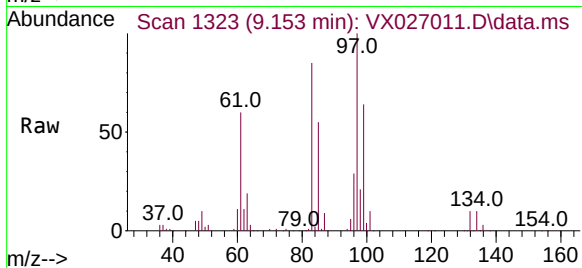
Ion Ratio Lower Upper

97 100

99 63.7 43.3 80.5

83 84.7 57.5 106.9

85 54.8 38.4 71.4



#46

Tetrachloroethene

Concen: 110.527 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Tgt Ion:164 Resp: 91245

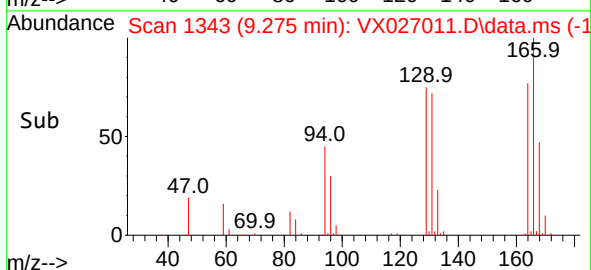
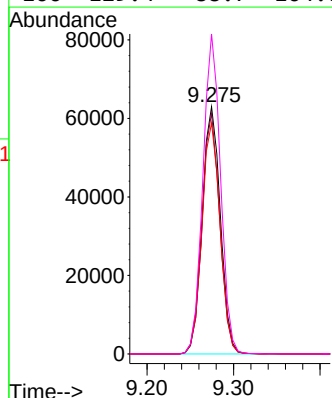
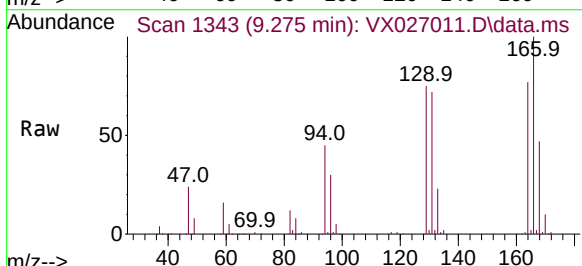
Ion Ratio Lower Upper

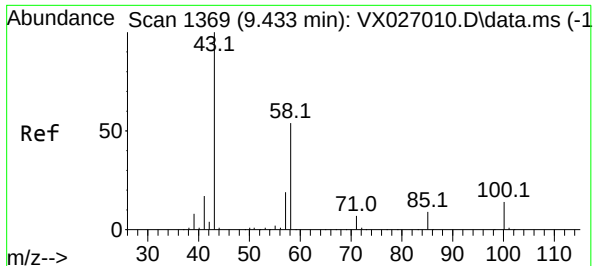
164 100

129 97.4 65.5 121.7

131 93.4 64.3 119.3

166 129.4 88.7 164.7





#48

2-Hexanone

Concen: 219.720 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

Tgt Ion: 43 Resp: 247886

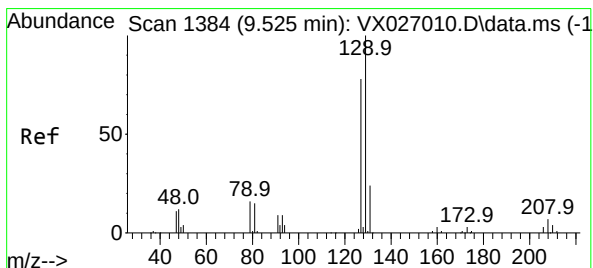
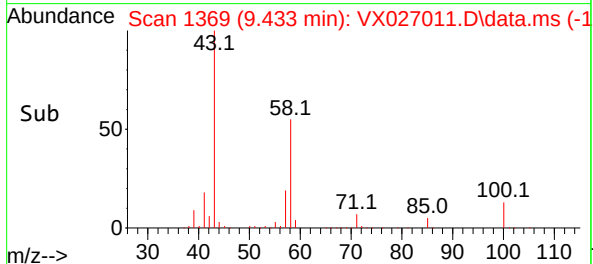
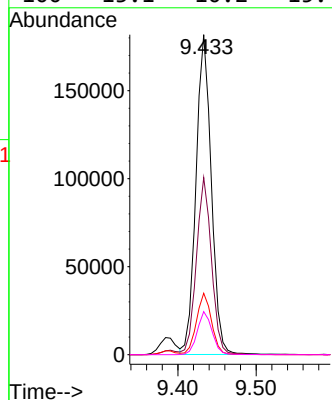
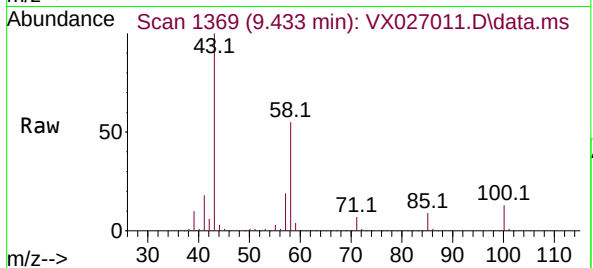
Ion Ratio Lower Upper

43 100

58 54.5 42.9 64.3

57 19.1 15.3 22.9

100 13.1 10.2 15.4



#49

Dibromochloromethane

Concen: 115.911 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX027011.D

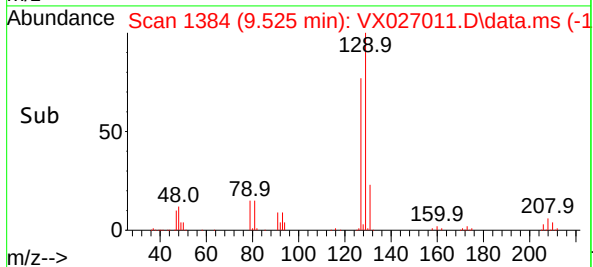
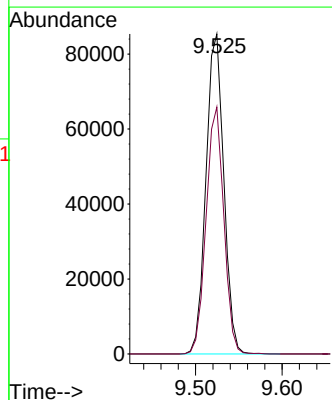
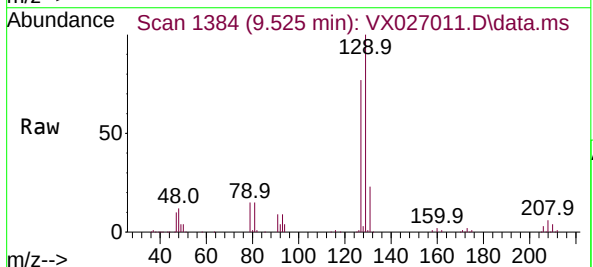
Acq: 14 Feb 2022 11:20

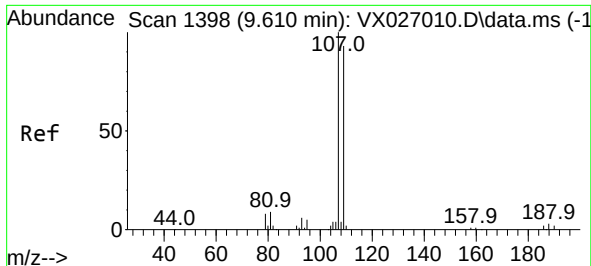
Tgt Ion: 129 Resp: 121845

Ion Ratio Lower Upper

129 100

127 77.1 54.3 100.9





#50

1,2-Dibromoethane

Concen: 112.898 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

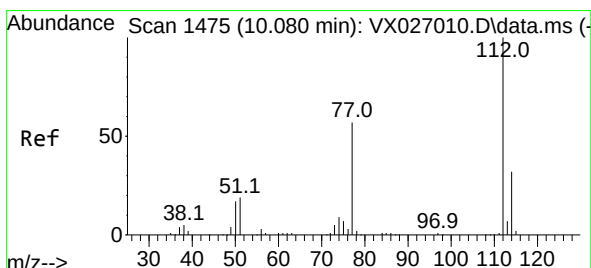
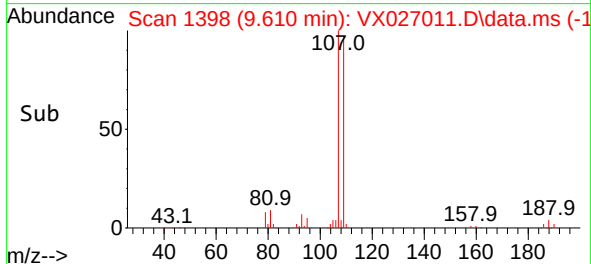
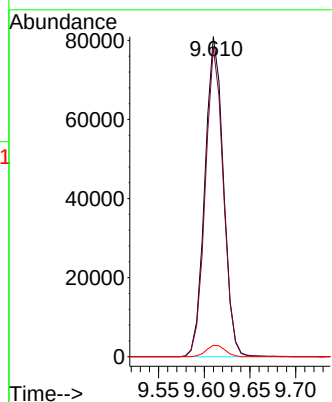
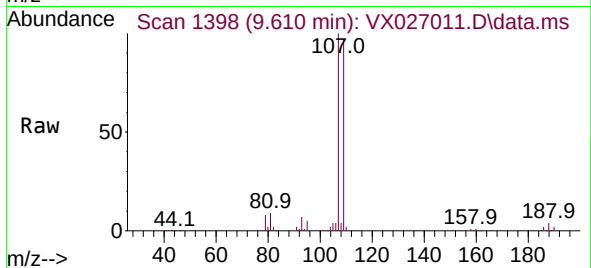
Tgt Ion:107 Resp: 113605

Ion Ratio Lower Upper

107 100

109 96.6 64.9 120.5

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 112.263 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

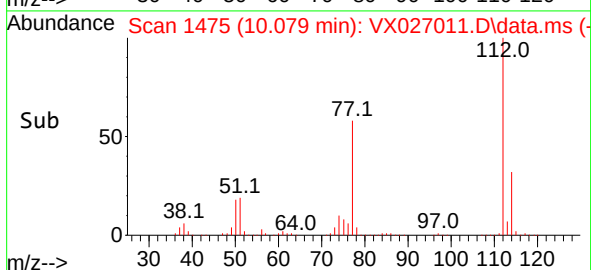
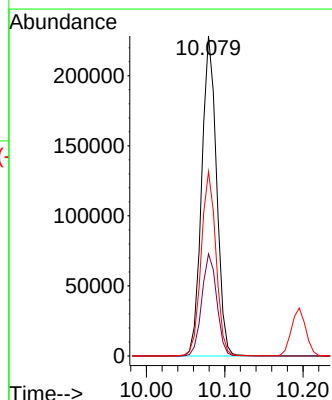
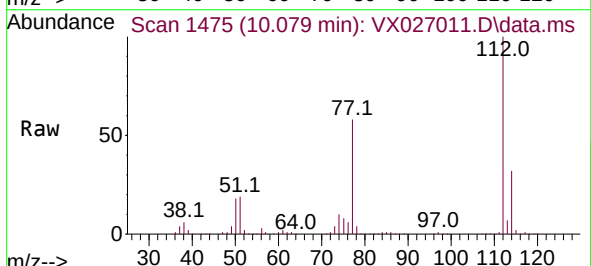
Tgt Ion:112 Resp: 300850

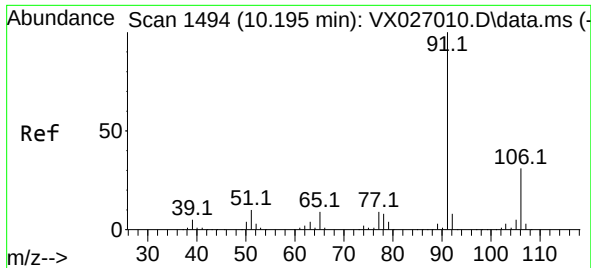
Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 57.6 45.9 68.9

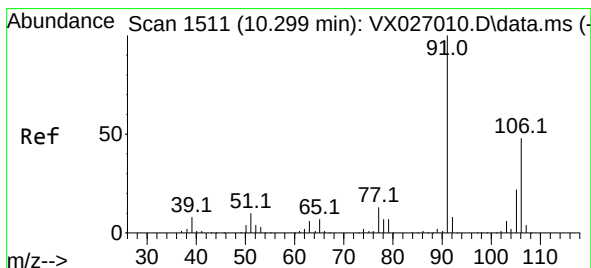
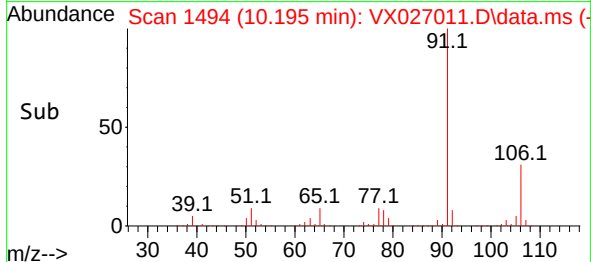
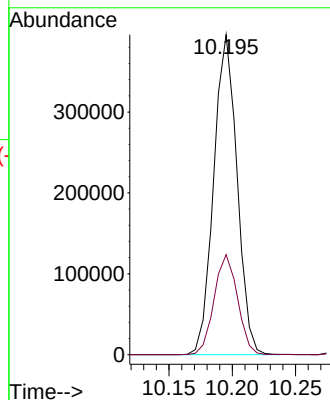
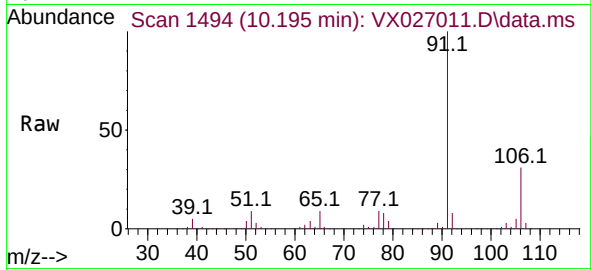




#52
Ethylbenzene
Concen: 112.589 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

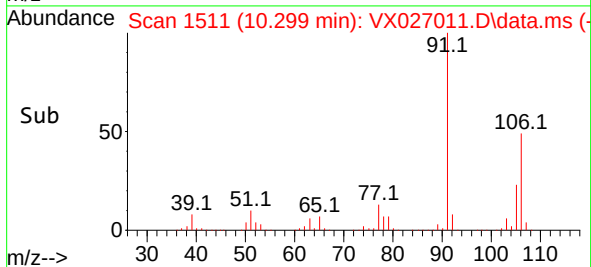
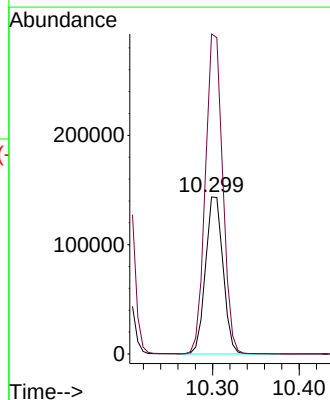
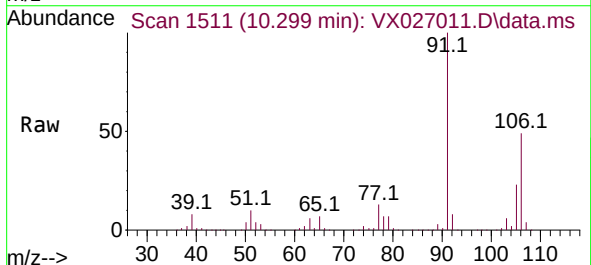
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

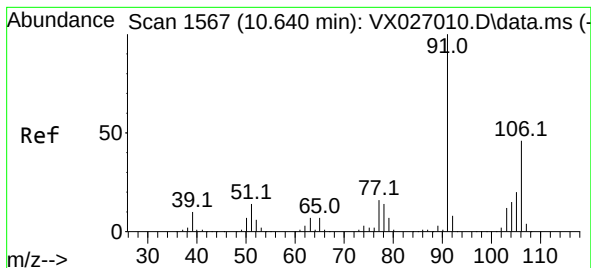
Tgt Ion: 91 Resp: 506843
Ion Ratio Lower Upper
91 100
106 31.2 21.7 40.3



#53
m,p-Xylene
Concen: 113.754 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion:106 Resp: 201887
Ion Ratio Lower Upper
106 100
91 203.8 145.7 270.5





#54

o-Xylene

Concen: 113.887 ug/L

RT: 10.640 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

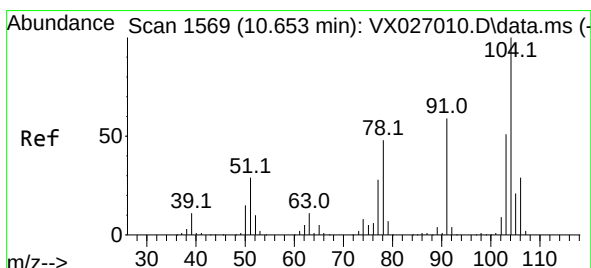
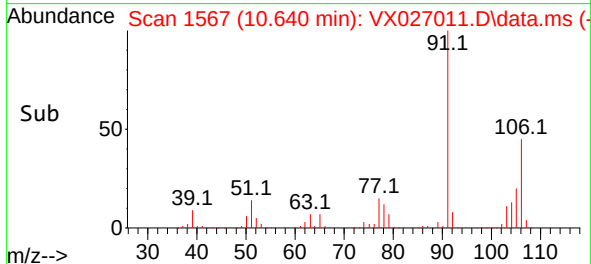
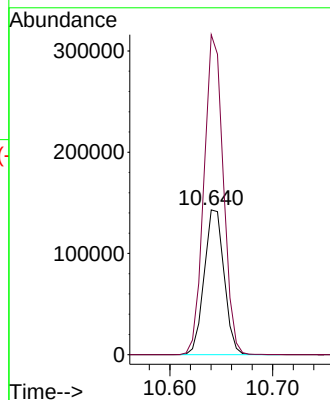
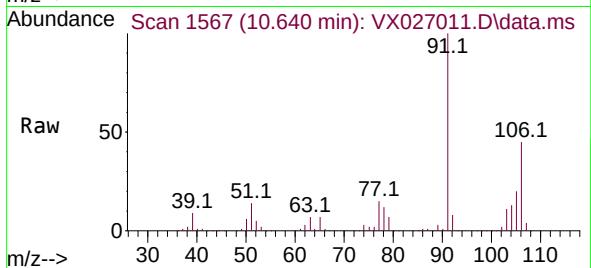
VSTD100663

Tgt Ion:106 Resp: 193347

Ion Ratio Lower Upper

106 100

91 220.9 151.2 280.8



#55

Styrene

Concen: 115.572 ug/L

RT: 10.658 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX027011.D

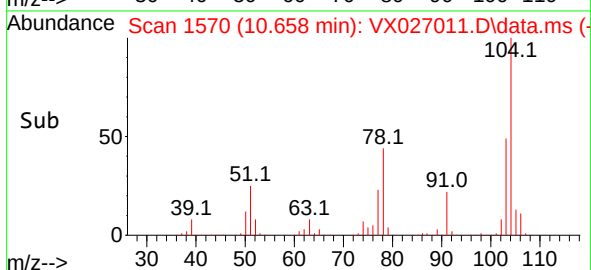
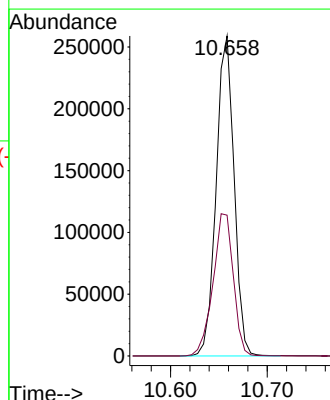
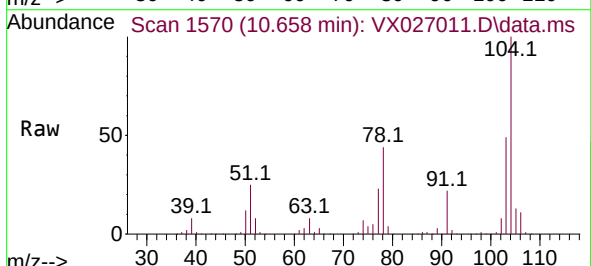
Acq: 14 Feb 2022 11:20

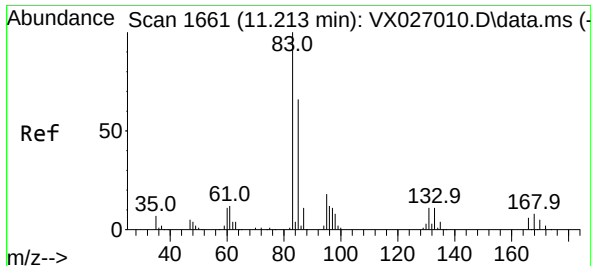
Tgt Ion:104 Resp: 332289

Ion Ratio Lower Upper

104 100

78 44.0 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 108.204 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

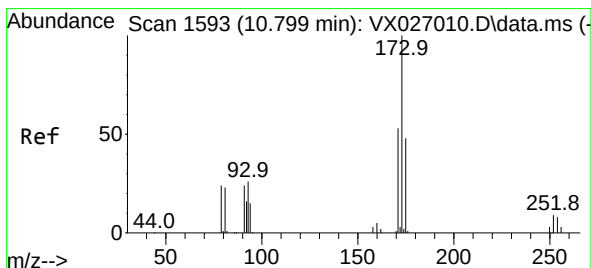
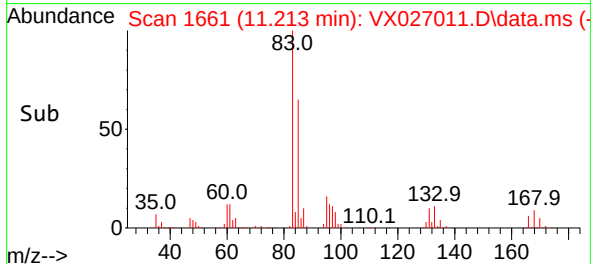
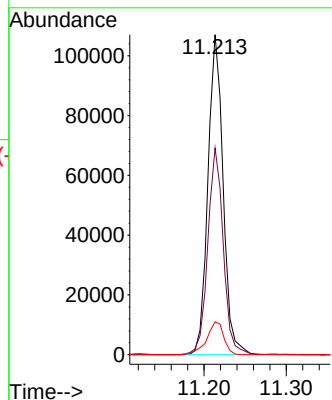
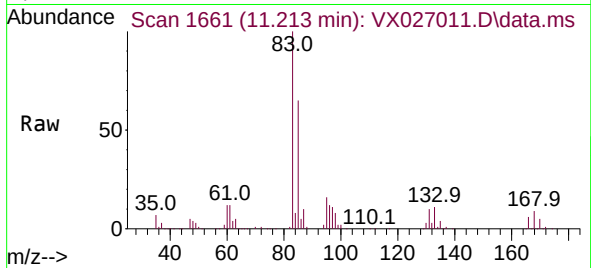
Tgt Ion: 83 Resp: 137337

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

131 10.3 8.5 12.7



#59

Bromoform

Concen: 117.137 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

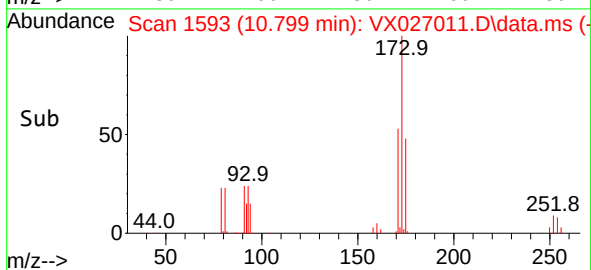
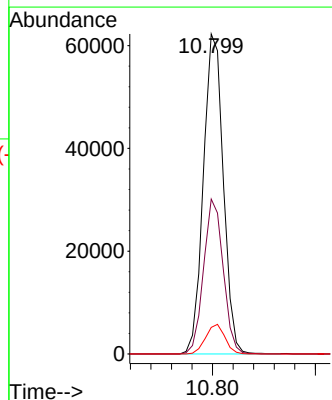
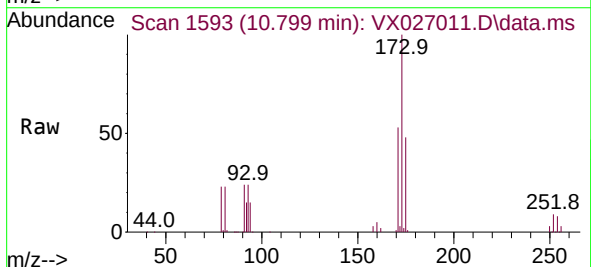
Tgt Ion:173 Resp: 83932

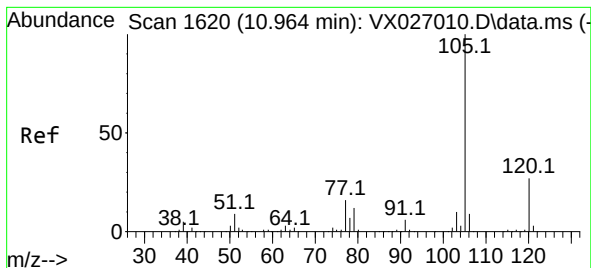
Ion Ratio Lower Upper

173 100

175 47.6 38.9 58.3

254 8.9 7.0 10.6





#60

Isopropylbenzene

Concen: 112.609 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

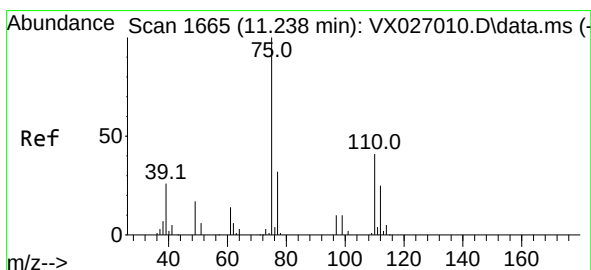
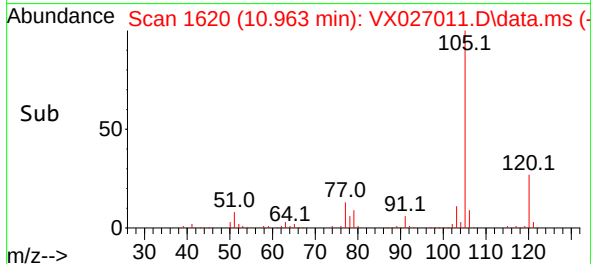
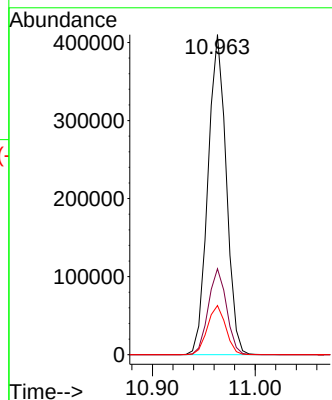
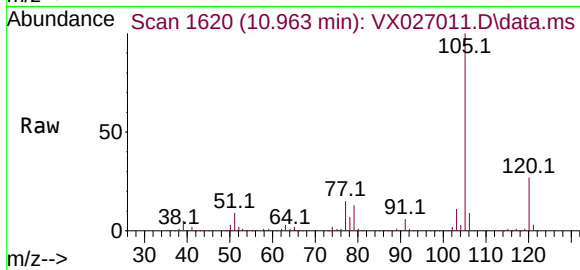
Tgt Ion:105 Resp: 508041

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 15.4 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 107.312 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

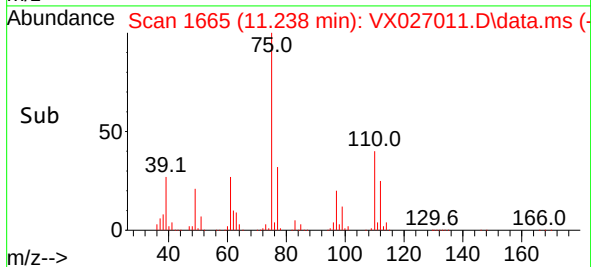
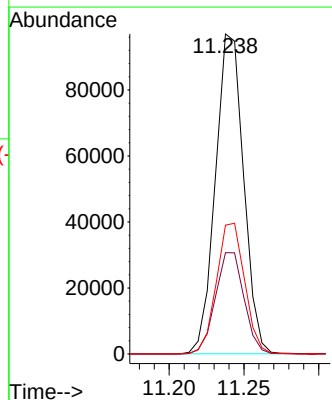
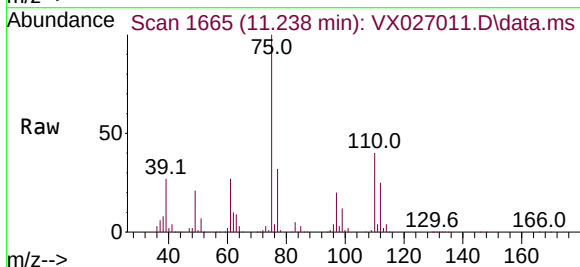
Tgt Ion: 75 Resp: 127100

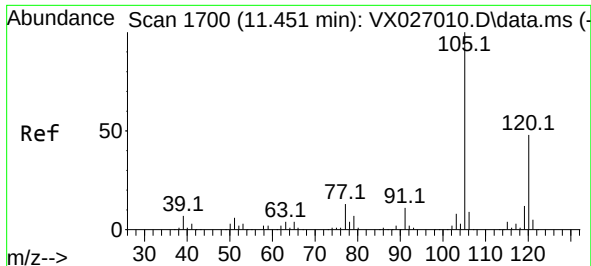
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

110 41.0 33.4 50.0





#62

1,3,5-Trimethylbenzene

Concen: 115.916 ug/L

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

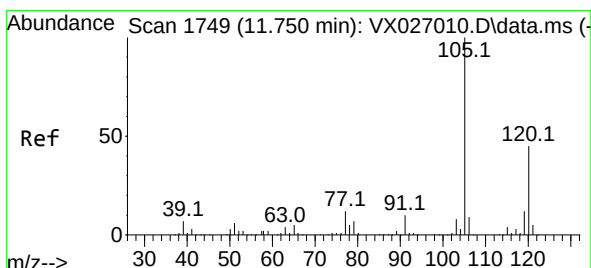
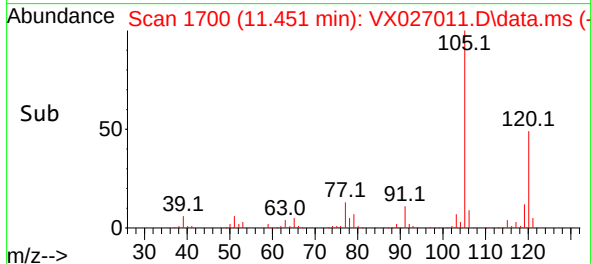
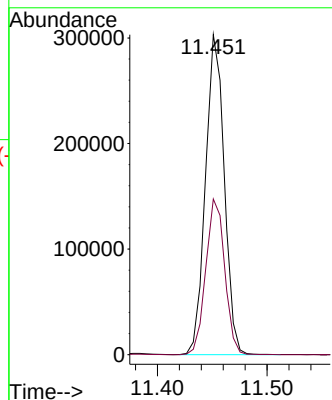
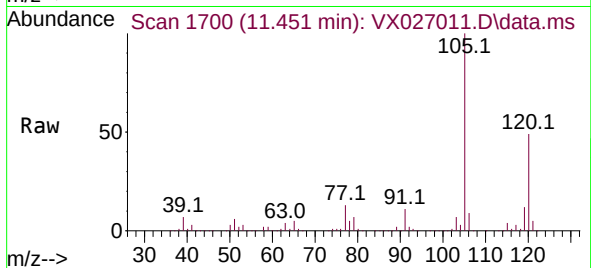
VSTD100663

Tgt Ion:105 Resp: 360708

Ion Ratio Lower Upper

105 100

120 49.0 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 114.674 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX027011.D

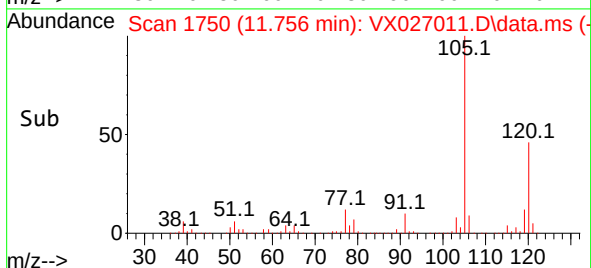
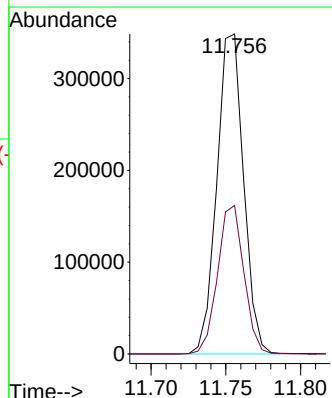
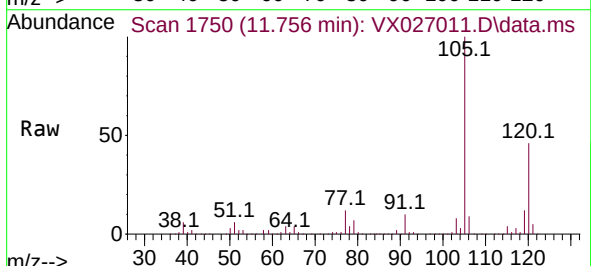
Acq: 14 Feb 2022 11:20

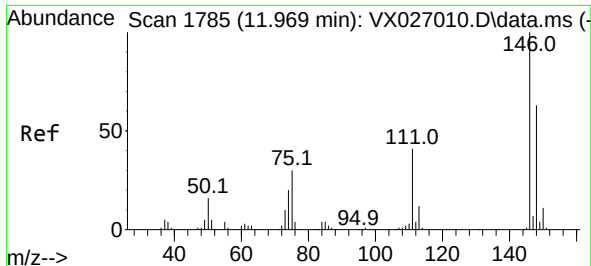
Tgt Ion:105 Resp: 433380

Ion Ratio Lower Upper

105 100

120 45.7 36.1 54.1

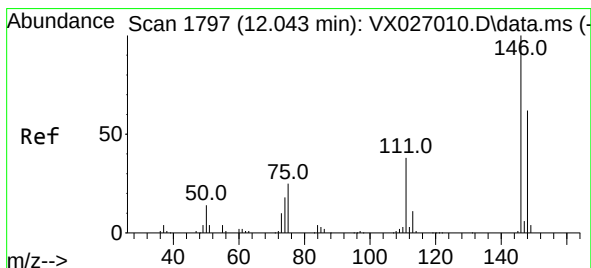
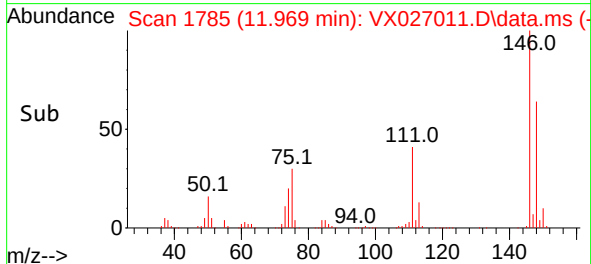
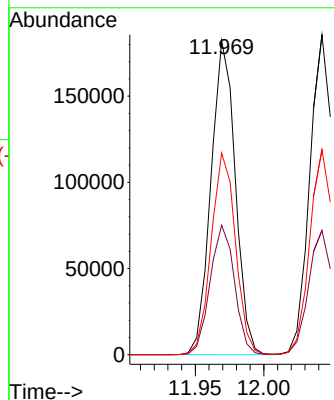
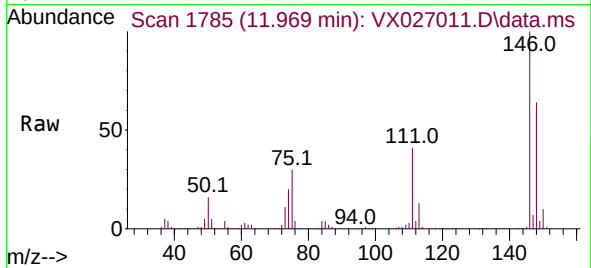




#64
1,3-Dichlorobenzene
Concen: 112.080 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

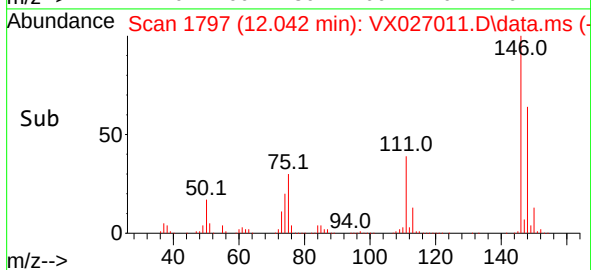
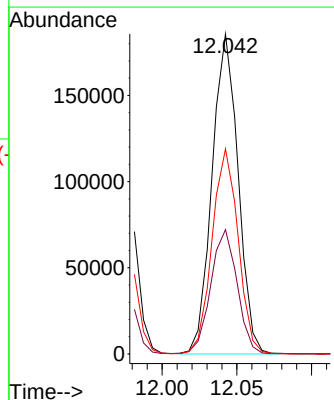
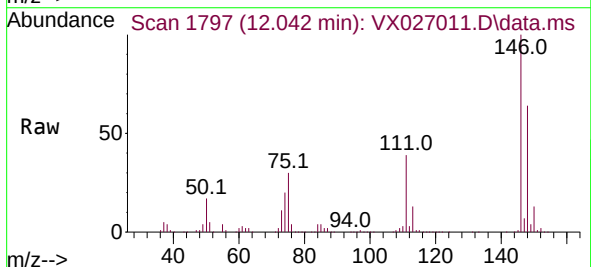
Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

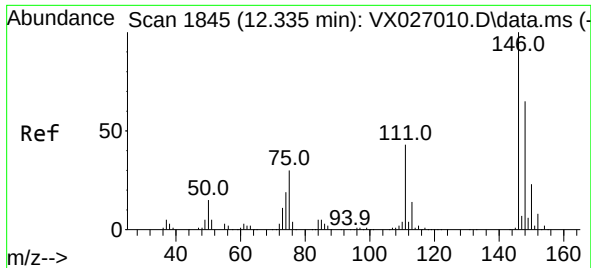
Tgt Ion:146 Resp: 224933
Ion Ratio Lower Upper
146 100
111 41.3 28.3 52.7
148 64.2 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 111.248 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion:146 Resp: 224675
Ion Ratio Lower Upper
146 100
111 38.8 26.5 49.3
148 64.1 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 111.304 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTD100663

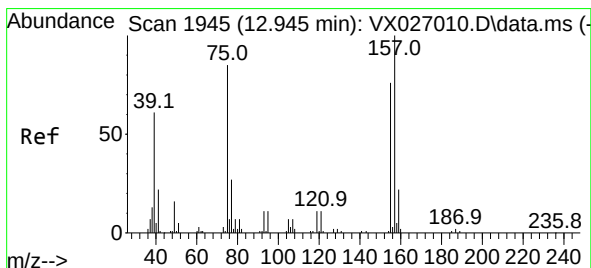
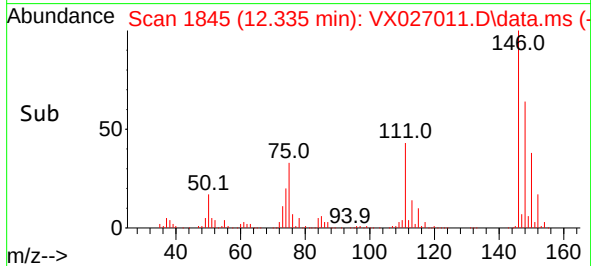
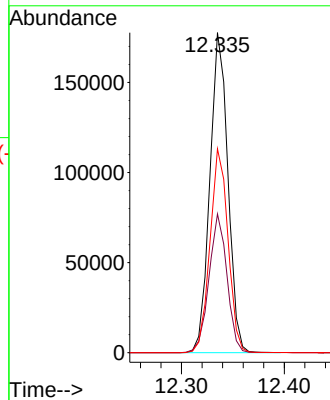
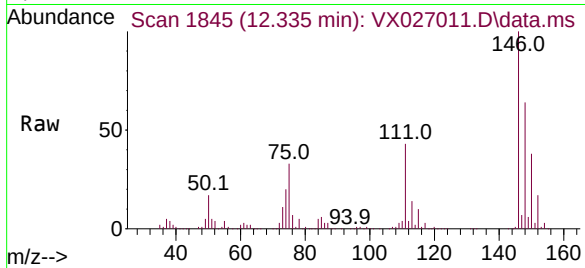
Tgt Ion:146 Resp: 215965

Ion Ratio Lower Upper

146 100

111 43.3 34.5 51.7

148 63.7 51.9 77.9



#68

1,2-Dibromo-3-chloropropane

Concen: 121.289 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX027011.D

Acq: 14 Feb 2022 11:20

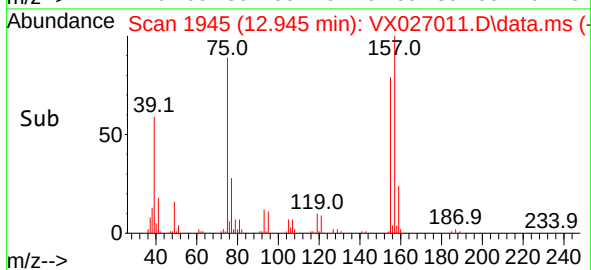
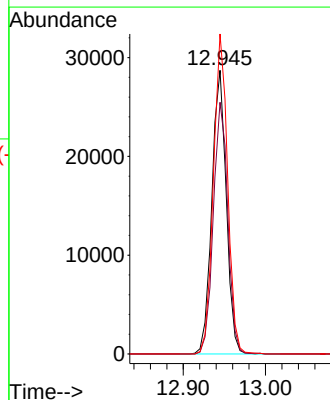
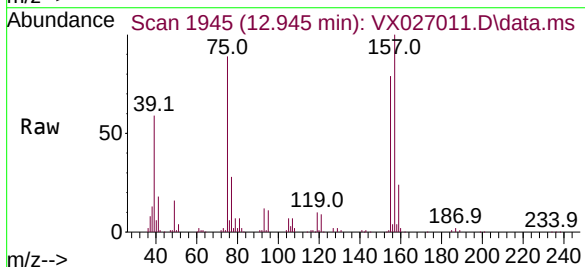
Tgt Ion: 75 Resp: 34884

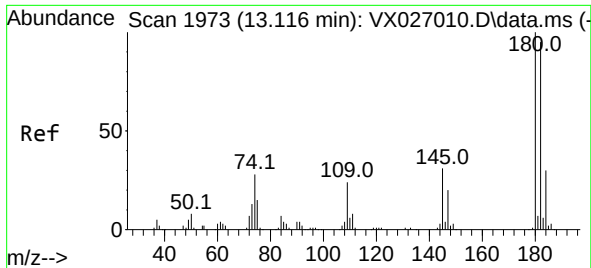
Ion Ratio Lower Upper

75 100

155 88.7 71.6 107.4

157 112.8 93.8 140.6

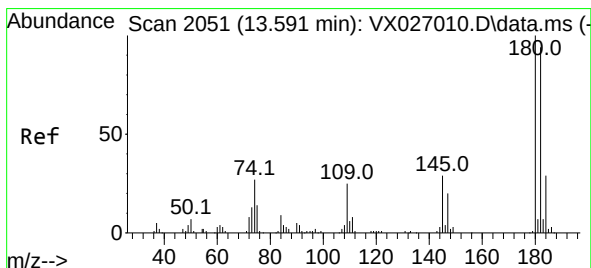
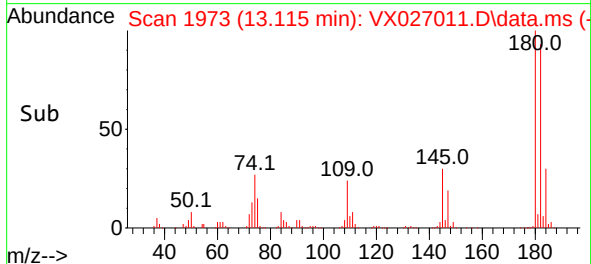
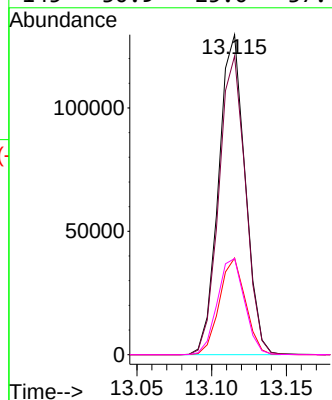
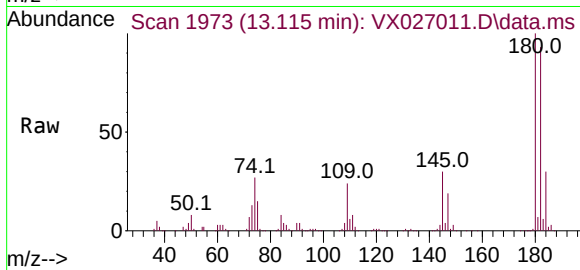




#69
 1,3,5-Trichlorobenzene
 Concen: 115.916 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

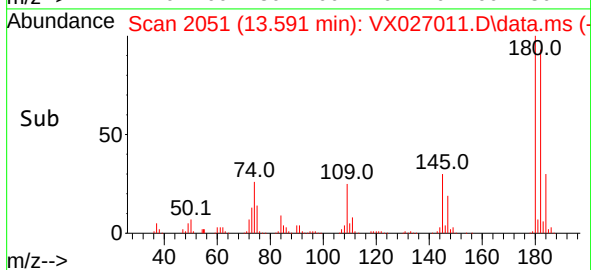
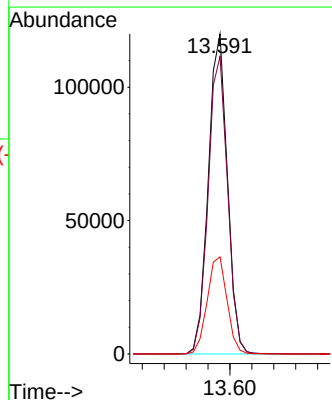
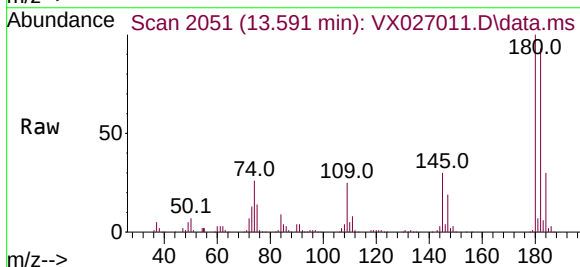
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100663

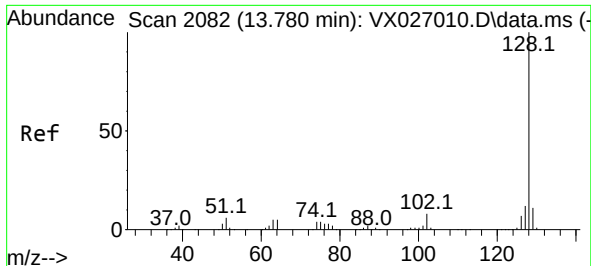
Tgt Ion:180 Resp: 159864
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.6 113.4
 184 29.4 23.6 35.4
 145 30.9 25.0 37.4



#70
 1,2,4-trichlorobenzene
 Concen: 119.272 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX027011.D
 Acq: 14 Feb 2022 11:20

Tgt Ion:180 Resp: 145225
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.2
 145 31.5 25.0 37.4

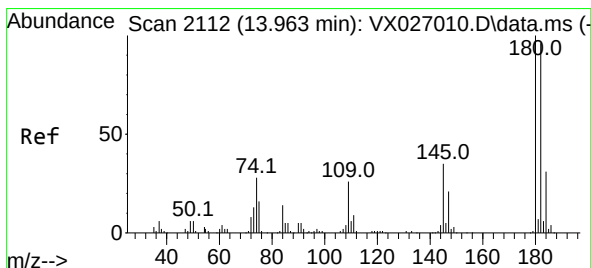
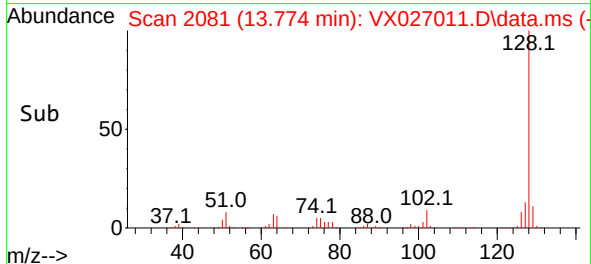
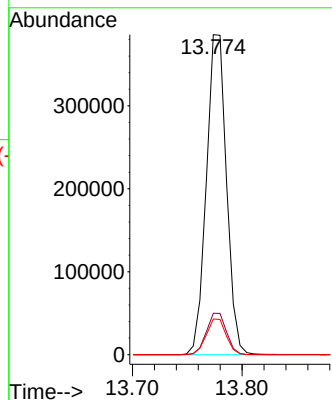
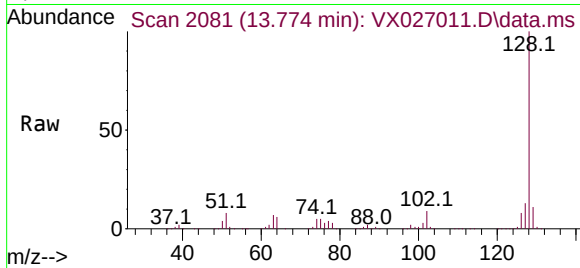




#71
Naphthalene
Concen: 121.281 ug/L
RT: 13.774 min Scan# 2082
Delta R.T. -0.006 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTD100663

Tgt Ion:128 Resp: 491692
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 116.805 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX027011.D
Acq: 14 Feb 2022 11:20

Tgt Ion:180 Resp: 142200
Ion Ratio Lower Upper
180 100
182 95.2 77.0 115.4
145 33.9 27.4 41.0

