

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020223\
 Data File : VX033988.D
 Acq On : 02 Feb 2023 10:33
 Operator : JC/MD
 Sample : VSTD01014
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010614

Quant Time: Feb 03 04:11:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:09:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	238584	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	211464	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	116110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	16646	10.476	ug/L	0.00
7) Chloroethane-d5	1.672	69	10081	10.451	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	29460	10.118	ug/L	0.00
21) 2-Butanone-d5	4.458	46	18019	19.779	ug/L	0.00
24) Chloroform-d	5.056	84	29215	10.250	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	17078	9.931	ug/L	0.00
32) Benzene-d6	5.970	84	61205	10.097	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	17953	10.018	ug/L	0.00
41) Toluene-d8	8.647	98	58717	10.211	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	7264	8.932	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	12600	18.749	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	23740	10.564	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	23816	10.248	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	17158	9.667	ug/L	99
3) Chloromethane	1.294	50	16784	10.359	ug/L	97
5) Vinyl chloride	1.374	62	16367	9.990	ug/L	98
6) Bromomethane	1.618	94	9780	11.512	ug/L	96
8) Chloroethane	1.691	64	8445	9.697	ug/L	94
9) Trichlorofluoromethane	1.892	101	22334	9.618	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	15336	9.550	ug/L	100
12) 1,1-Dichloroethene	2.319	96	14237	9.692	ug/L #	73
13) Acetone	2.386	43	19294	20.586	ug/L	95
14) Carbon disulfide	2.514	76	36889	9.278	ug/L	98
15) Methyl Acetate	2.703	43	14798	9.911	ug/L	98
16) Methylene chloride	2.788	84	15452	9.933	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	14739	9.720	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	43409	9.832	ug/L	99
19) 1,1-Dichloroethane	3.611	63	26328	9.948	ug/L	96
20) cis-1,2-Dichloroethene	4.483	96	17398	10.040	ug/L	100
22) 2-Butanone	4.556	43	23238	20.188	ug/L	99
23) Bromochloromethane	4.897	128	9565	10.055	ug/L	95
25) Chloroform	5.086	83	27174	9.943	ug/L	95
27) 1,2-Dichloroethane	6.086	62	20539	9.792	ug/L	100
29) Cyclohexane	5.471	56	23541	9.102	ug/L	98
30) 1,1,1-Trichloroethane	5.373	97	21715	9.085	ug/L	99
31) Carbon tetrachloride	5.678	117	20023	9.004	ug/L	98
33) Benzene	6.037	78	61079	9.713	ug/L	100
34) Trichloroethene	7.123	95	15784	9.262	ug/L	94
35) Methylcyclohexane	7.379	83	24201	8.906	ug/L	99
37) 1,2-Dichloropropane	7.427	63	15666	9.782	ug/L	99
38) Bromodichloromethane	7.824	83	19208	9.432	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	21427	8.716	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	37849	19.204	ug/L	99
42) Toluene	8.714	91	64567	9.599	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	19365	8.853	ug/L	98

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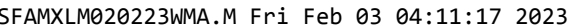
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:09:38 2023
 Response via : Initial Calibration

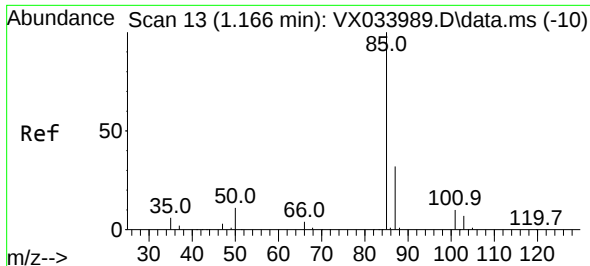
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	9.153	97	15840	9.770	ug/L	97
46) Tetrachloroethene	9.275	164	15448	9.441	ug/L	98
48) 2-Hexanone	9.427	43	31777	20.231	ug/L	94
49) Dibromochloromethane	9.519	129	16211	9.267	ug/L	95
50) 1,2-Dibromoethane	9.610	107	16697	9.584	ug/L #	99
51) Chlorobenzene	10.079	112	44483	9.789	ug/L	98
52) Ethylbenzene	10.195	91	70578	9.548	ug/L	100
53) m,p-Xylene	10.299	106	28515	9.610	ug/L	99
54) o-Xylene	10.640	106	28089	9.798	ug/L	92
55) Styrene	10.653	104	46128	9.591	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	23399	10.267	ug/L	98
59) Bromoform	10.799	173	12829	9.079	ug/L	99
60) Isopropylbenzene	10.963	105	72113	9.507	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	17850	10.127	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	58851	9.478	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	58317	9.529	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	36665	9.721	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	37279	9.766	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	36813	9.981	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	3909	9.052	ug/L	79
69) 1,3,5-Trichlorobenzene	13.109	180	26783	9.416	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	23038	8.922	ug/L	98
71) Naphthalene	13.774	128	65941	9.224	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	24135	9.468	ug/L	99

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

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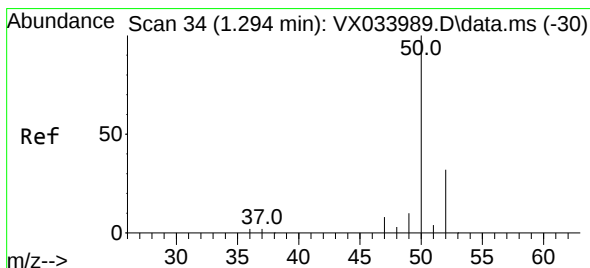
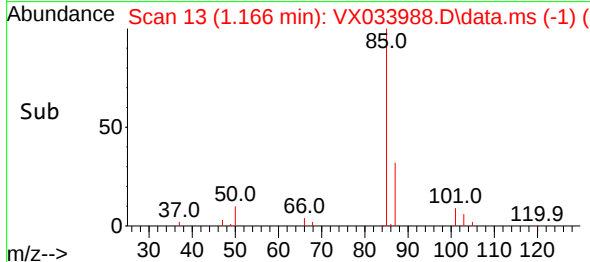
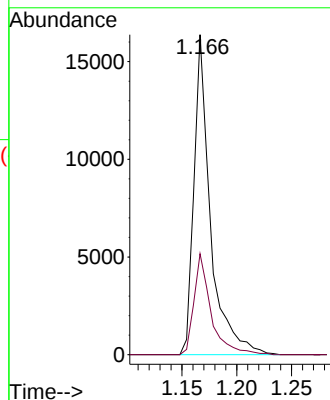
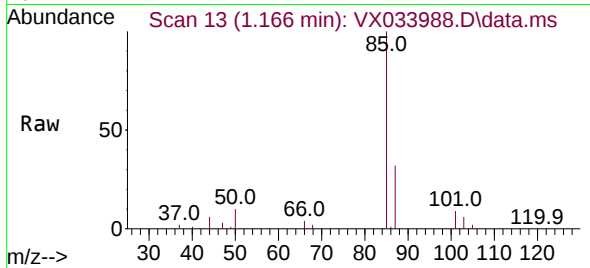




#2
Dichlorodifluoromethane
Concen: 9.667 ug/L
RT: 1.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

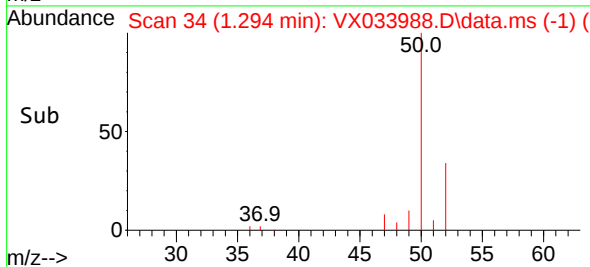
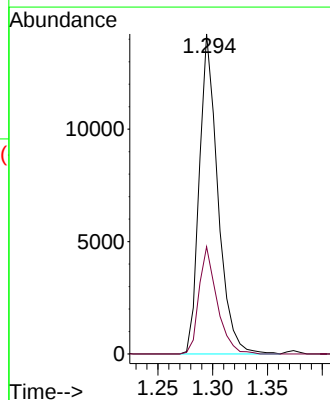
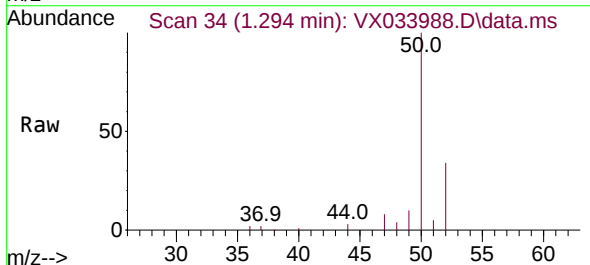
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

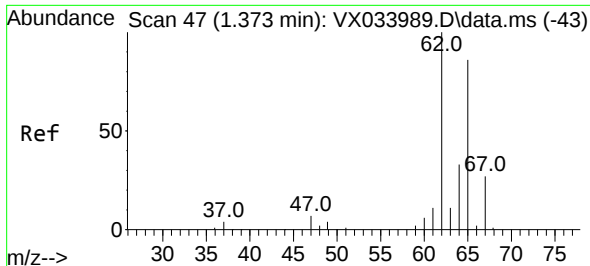
Tgt Ion: 85 Resp: 17158
Ion Ratio Lower Upper
85 100
87 32.7 25.9 38.9



#3
Chloromethane
Concen: 10.359 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 50 Resp: 16784
Ion Ratio Lower Upper
50 100
52 33.5 22.5 41.7

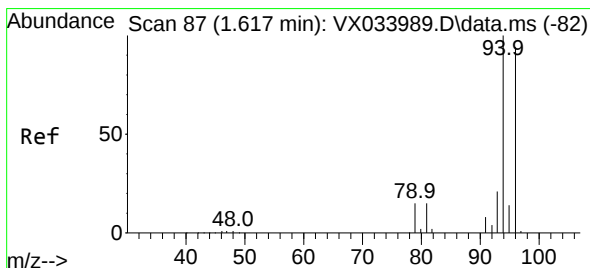
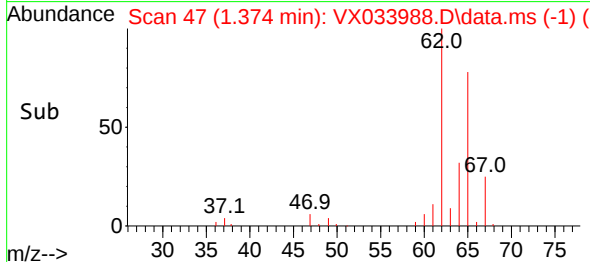
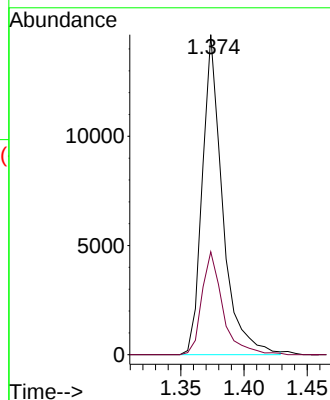
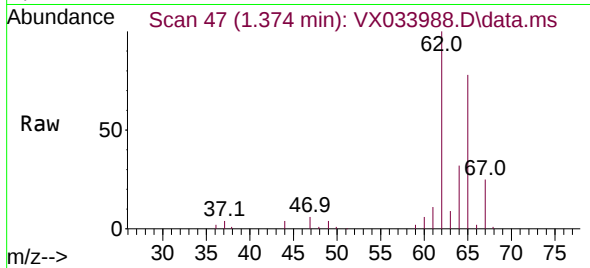




#5
 Vinyl chloride
 Concen: 9.990 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

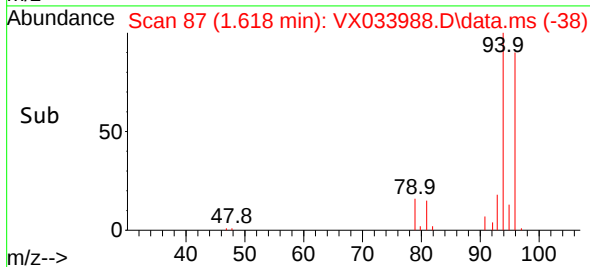
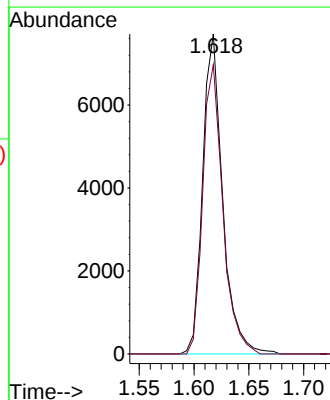
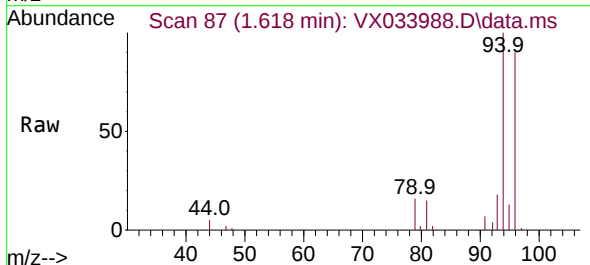
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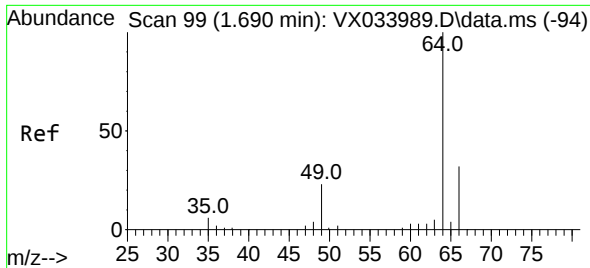
Tgt Ion: 62 Resp: 16367
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.2 43.0



#6
 Bromomethane
 Concen: 11.512 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

Tgt Ion: 94 Resp: 9780
 Ion Ratio Lower Upper
 94 100
 96 90.4 65.7 122.1

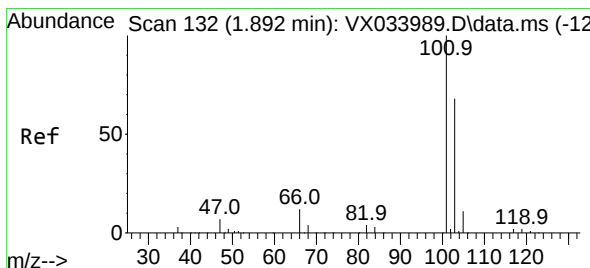
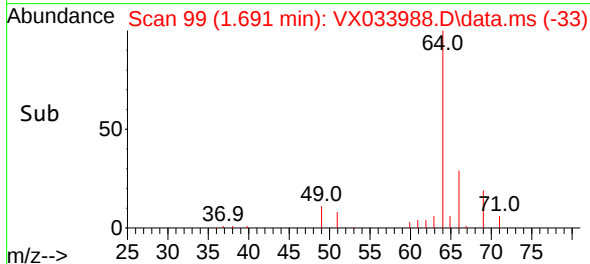
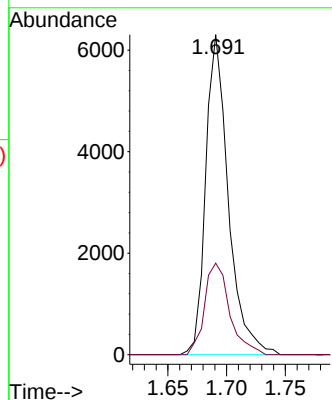
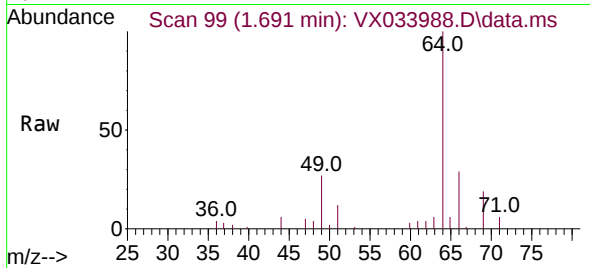




#8
Chloroethane
Concen: 9.697 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

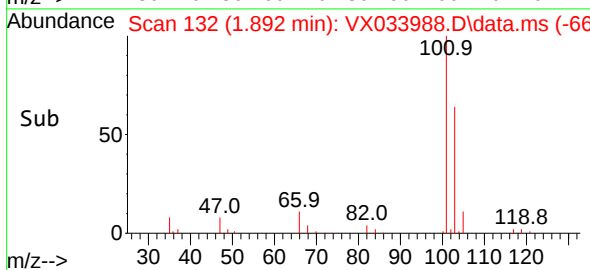
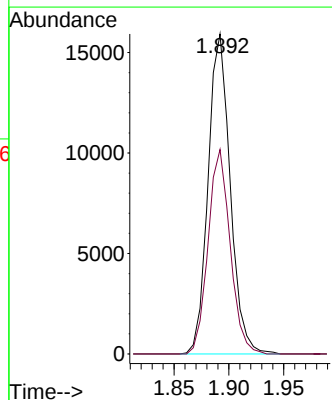
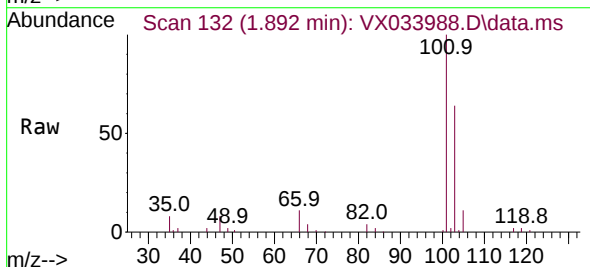
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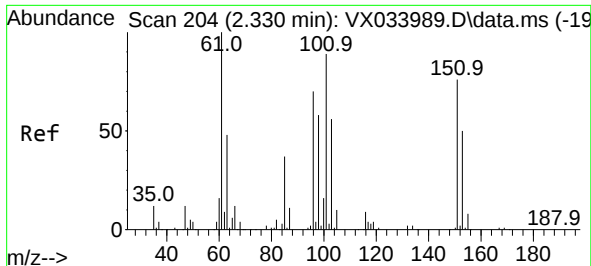
Tgt Ion: 64 Resp: 8445
Ion Ratio Lower Upper
64 100
66 28.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 9.618 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 101 Resp: 22334
Ion Ratio Lower Upper
101 100
103 63.8 52.6 78.8

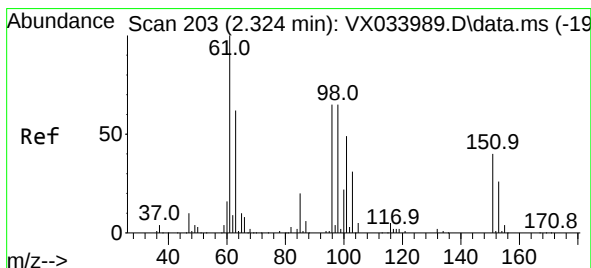
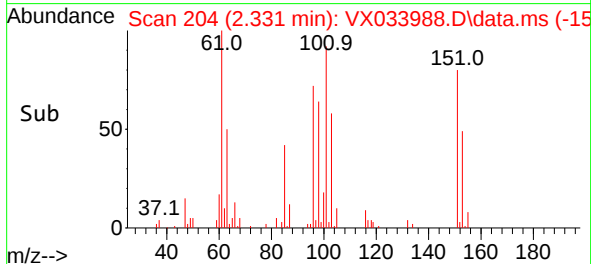
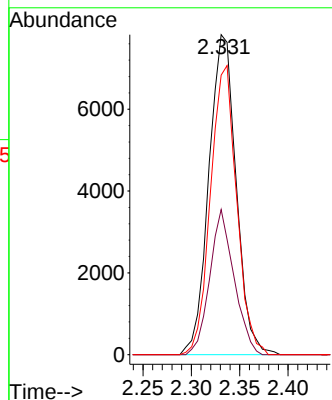
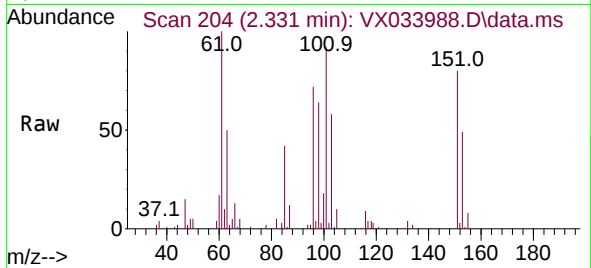




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.550 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

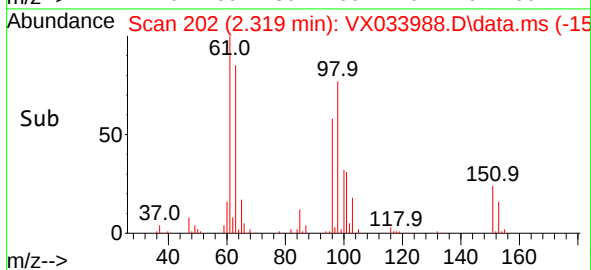
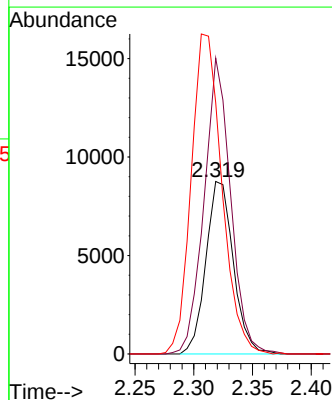
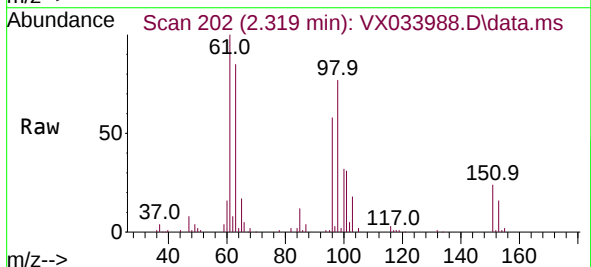
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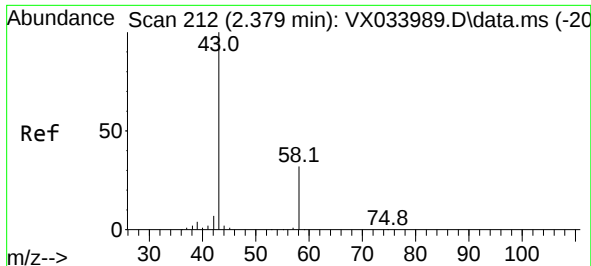
Tgt Ion:101 Resp: 15336
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.2 48.4
 151 86.4 69.3 103.9



#12
 1,1-Dichloroethene
 Concen: 9.692 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

Tgt Ion: 96 Resp: 14237
 Ion Ratio Lower Upper
 96 100
 61 171.5 107.6 199.8
 63 145.7 69.6 129.2#





#13

Acetone

Concen: 20.586 ug/L

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

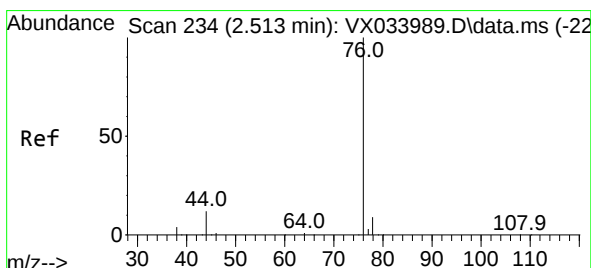
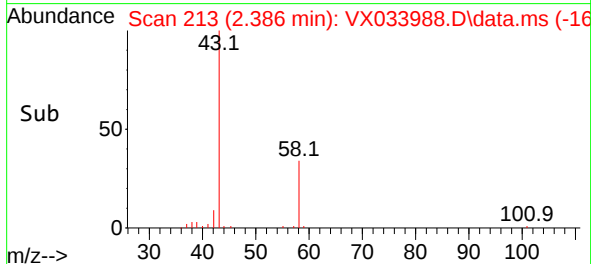
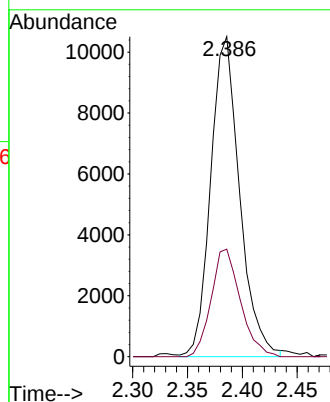
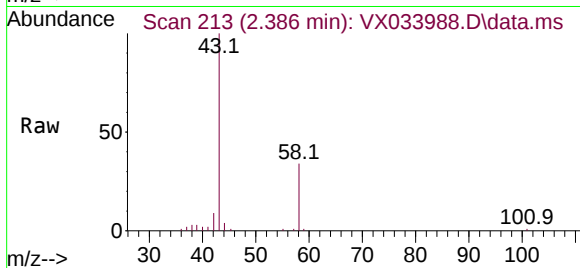
VSTD010614

Tgt Ion: 43 Resp: 19294

Ion Ratio Lower Upper

43 100

58 34.0 0.0 62.8



#14

Carbon disulfide

Concen: 9.278 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033988.D

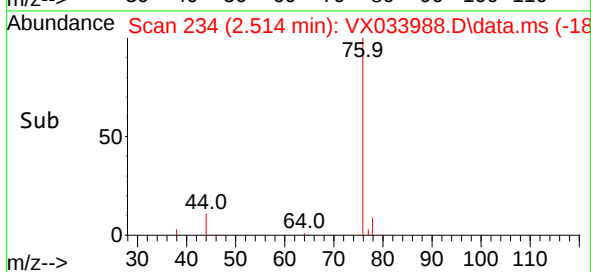
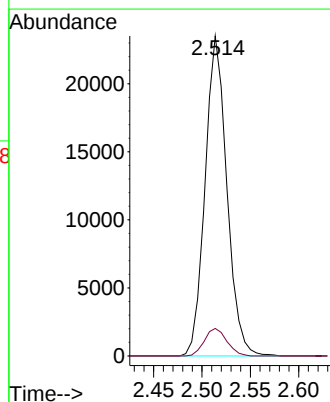
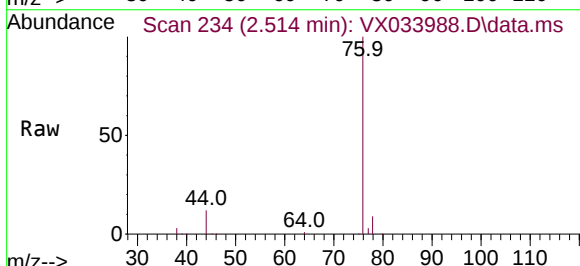
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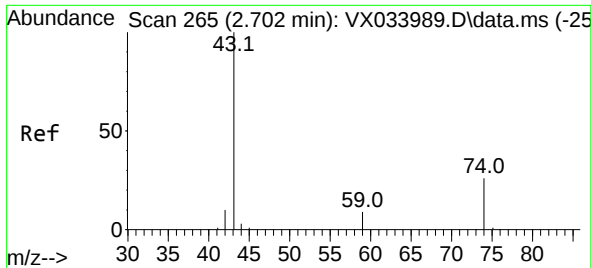
Tgt Ion: 76 Resp: 36889

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2

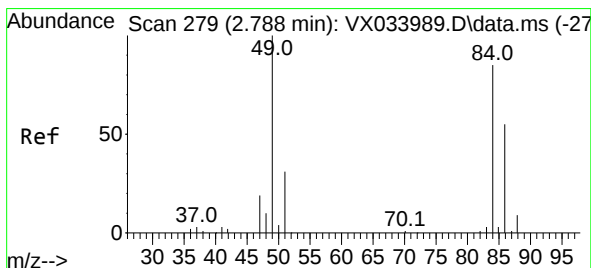
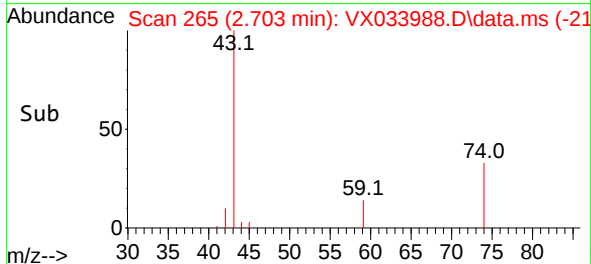
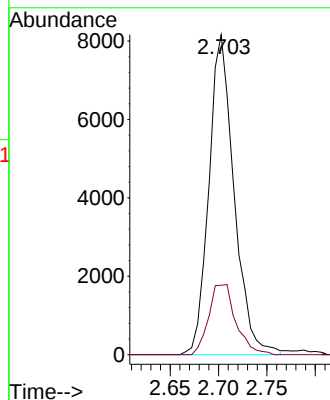
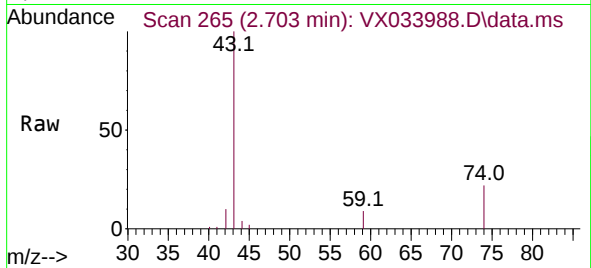




#15
Methyl Acetate
Concen: 9.911 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

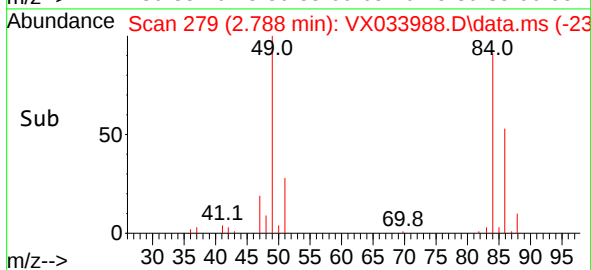
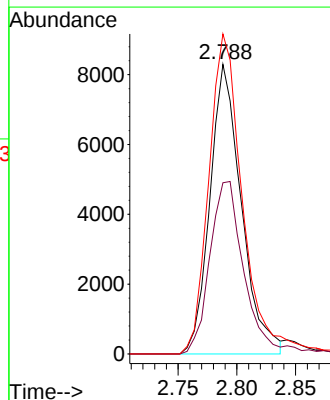
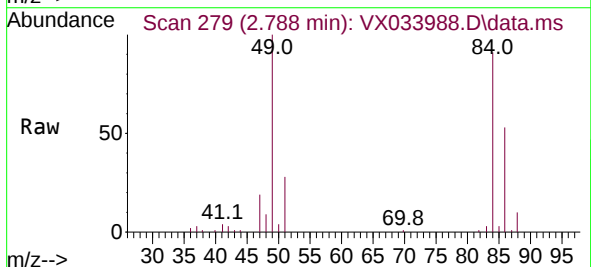
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

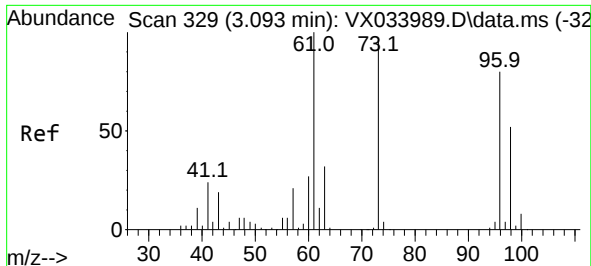
Tgt Ion: 43 Resp: 14798
Ion Ratio Lower Upper
43 100
74 23.7 19.7 29.5



#16
Methylene chloride
Concen: 9.933 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 84 Resp: 15452
Ion Ratio Lower Upper
84 100
86 59.1 45.2 84.0
49 110.5 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 9.720 ug/L

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

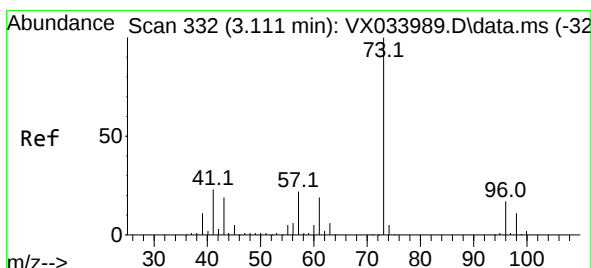
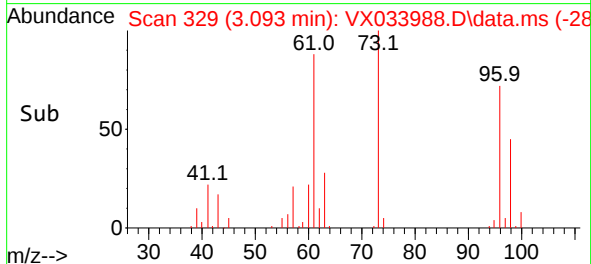
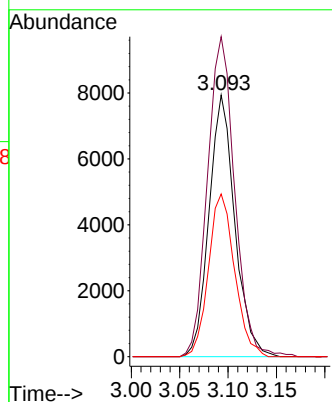
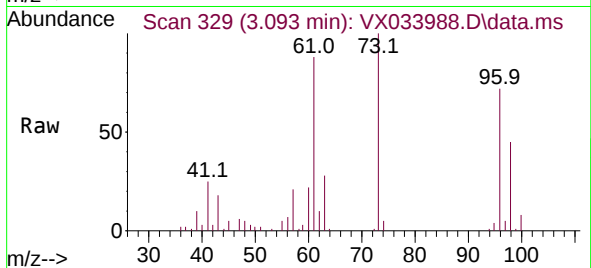
Tgt Ion: 96 Resp: 14739

Ion Ratio Lower Upper

96 100

61 122.3 87.7 162.9

98 62.2 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 9.832 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

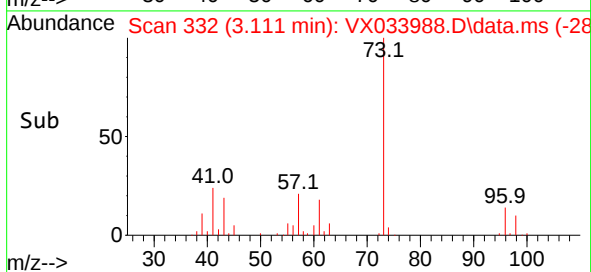
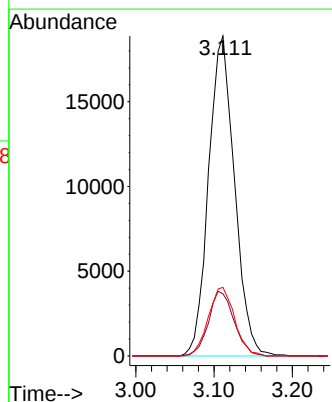
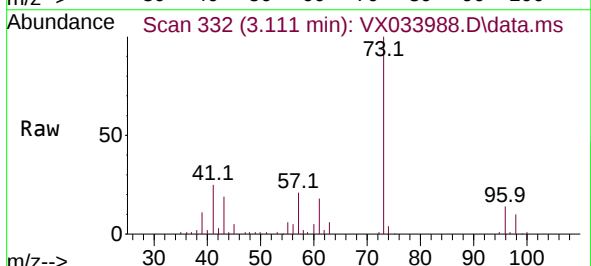
Tgt Ion: 73 Resp: 43409

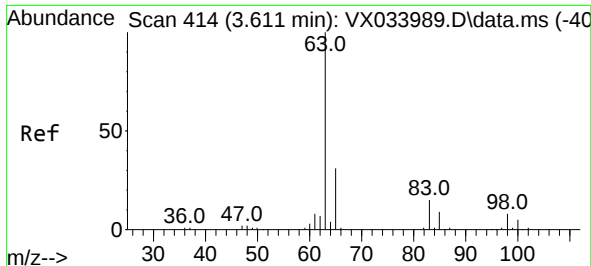
Ion Ratio Lower Upper

73 100

43 20.0 15.6 23.4

57 21.8 17.5 26.3





#19

1,1-Dichloroethane

Concen: 9.948 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

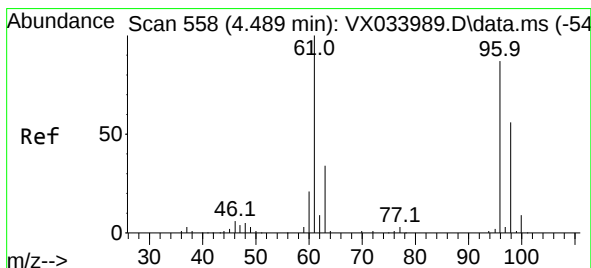
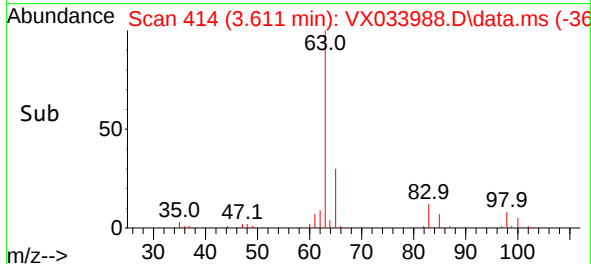
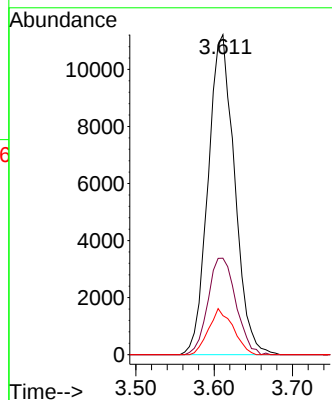
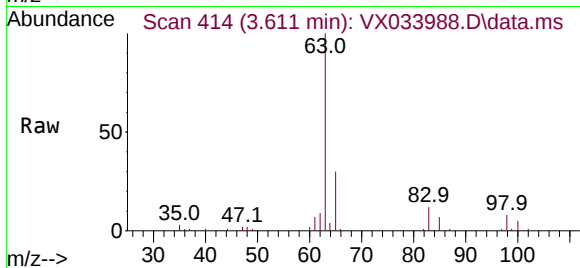
Tgt Ion: 63 Resp: 26328

Ion Ratio Lower Upper

63 100

65 30.2 21.9 40.7

83 12.2 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 10.040 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

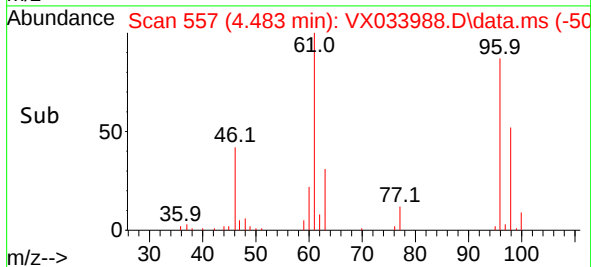
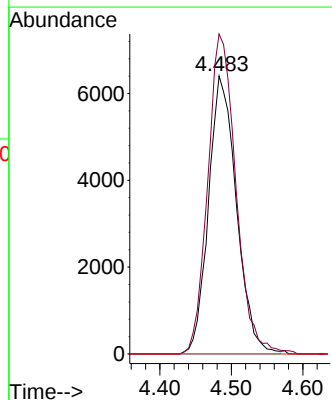
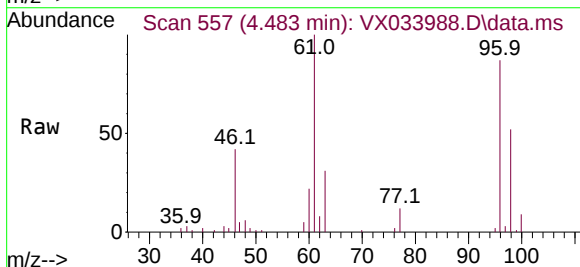
Tgt Ion: 96 Resp: 17398

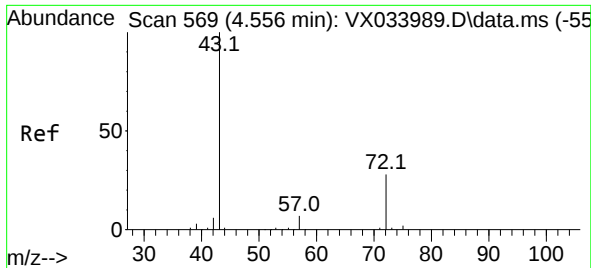
Ion Ratio Lower Upper

96 100

61 115.1 80.3 149.1

68 0.0 0.0 0.0

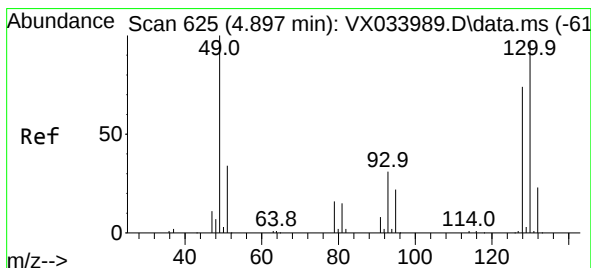
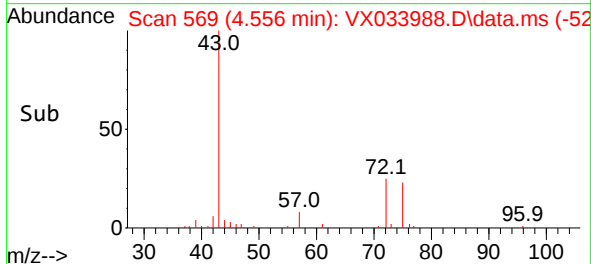
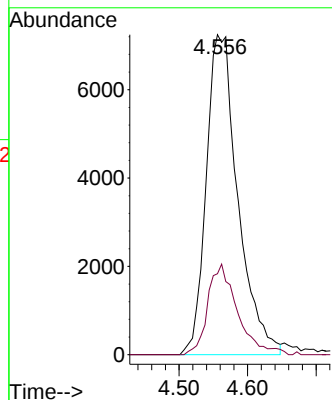
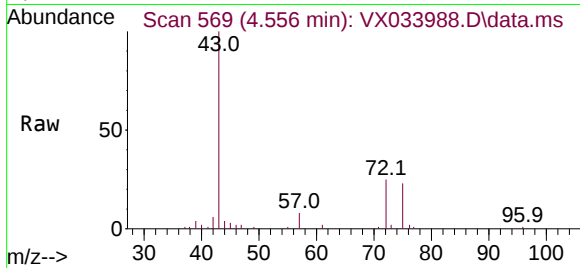




#22
2-Butanone
Concen: 20.188 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

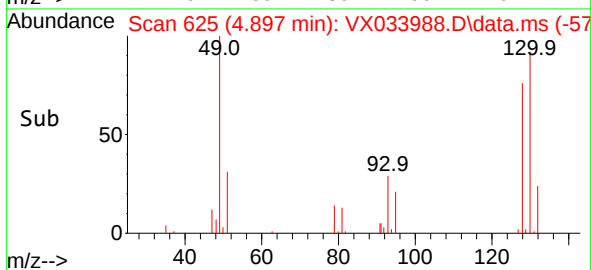
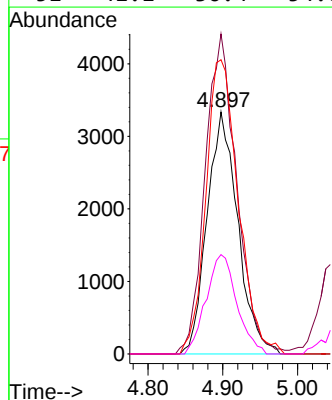
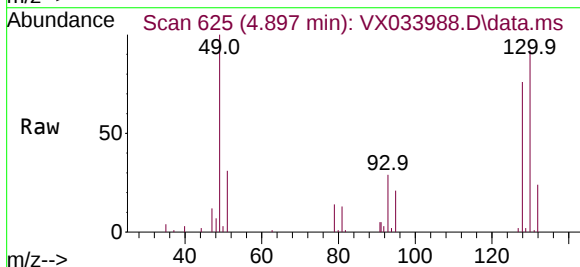
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

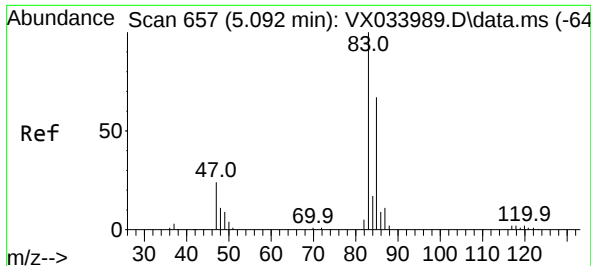
Tgt Ion: 43 Resp: 23238
Ion Ratio Lower Upper
43 100
72 25.8 13.2 39.6



#23
Bromochloromethane
Concen: 10.055 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion:128 Resp: 9565
Ion Ratio Lower Upper
128 100
49 132.3 94.7 175.9
130 121.7 91.3 169.6
51 41.1 36.4 54.6





#25

Chloroform

Concen: 9.943 ug/L

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

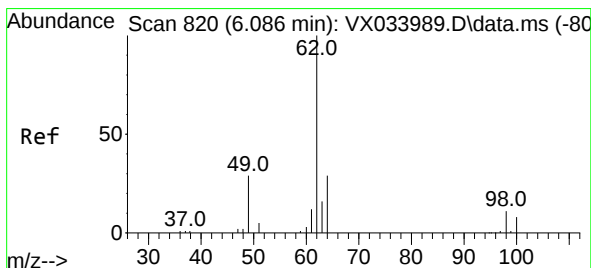
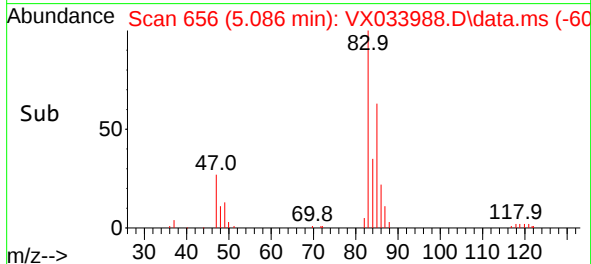
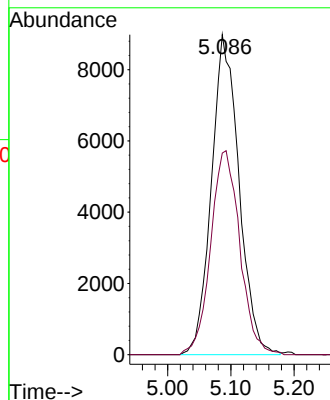
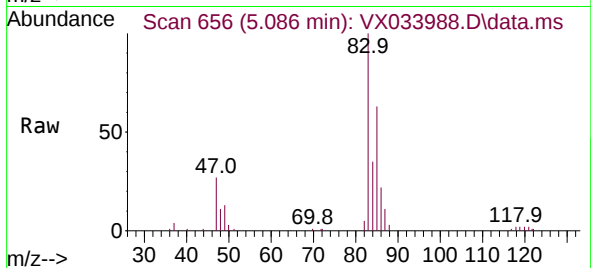
VSTD010614

Tgt Ion: 83 Resp: 27174

Ion Ratio Lower Upper

83 100

85 63.0 47.0 87.4



#27

1,2-Dichloroethane

Concen: 9.792 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX033988.D

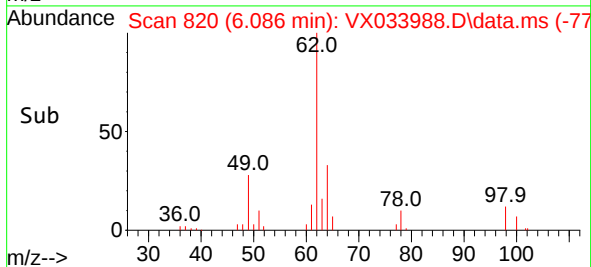
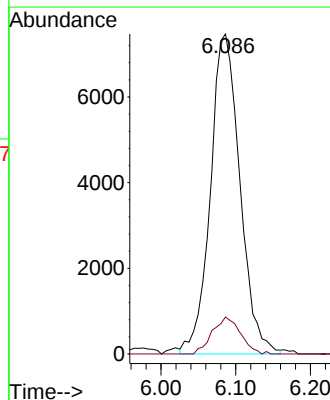
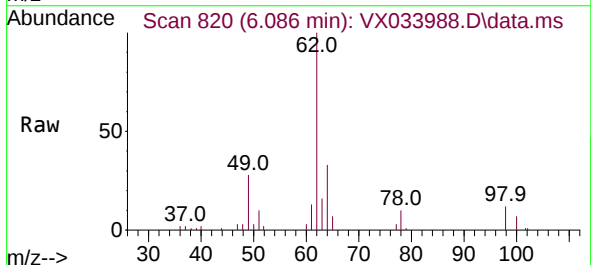
Acq: 02 Feb 2023 10:33

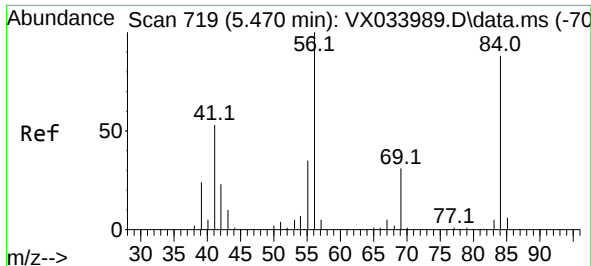
Tgt Ion: 62 Resp: 20539

Ion Ratio Lower Upper

62 100

98 11.6 9.1 13.7





#29

Cyclohexane

Concen: 9.102 ug/L

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

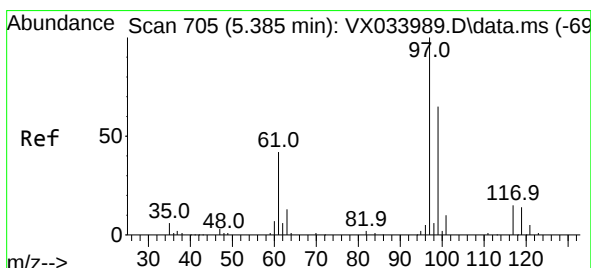
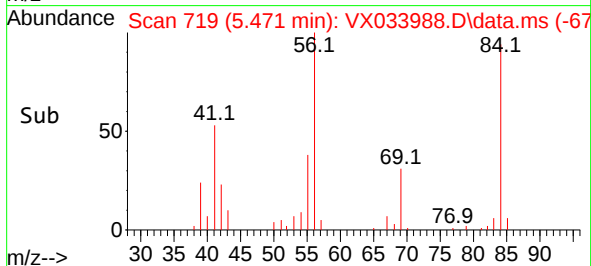
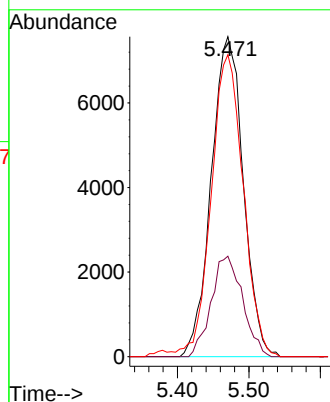
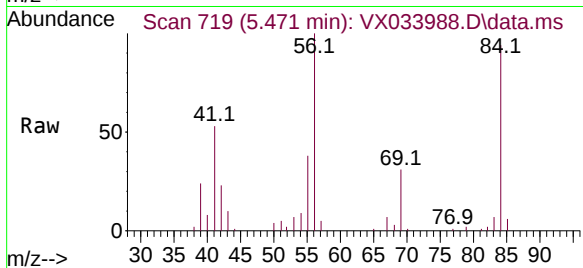
Tgt Ion: 56 Resp: 23541

Ion Ratio Lower Upper

56 100

69 30.8 24.8 37.2

84 94.0 73.2 109.8



#30

1,1,1-Trichloroethane

Concen: 9.085 ug/L

RT: 5.373 min Scan# 703

Delta R.T. -0.012 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

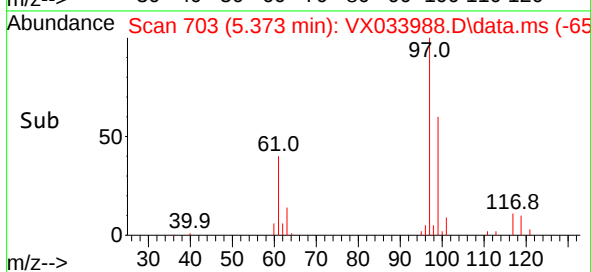
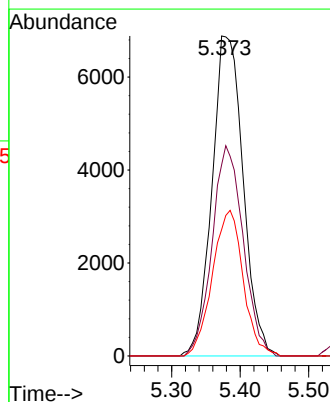
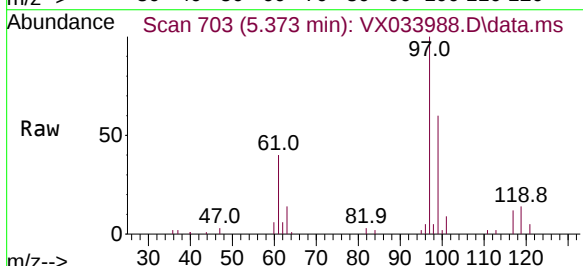
Tgt Ion: 97 Resp: 21715

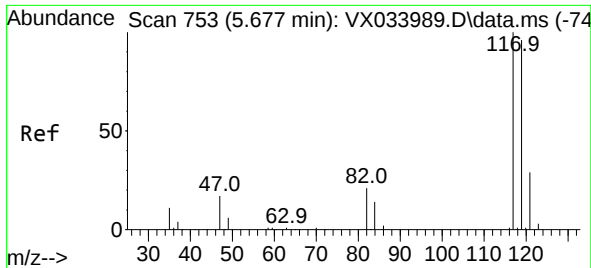
Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.8

61 45.0 34.7 52.1

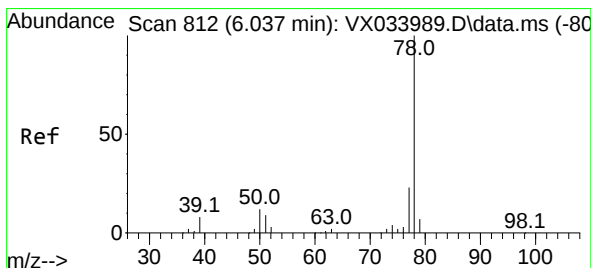
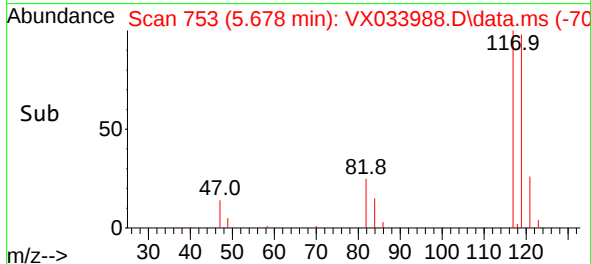
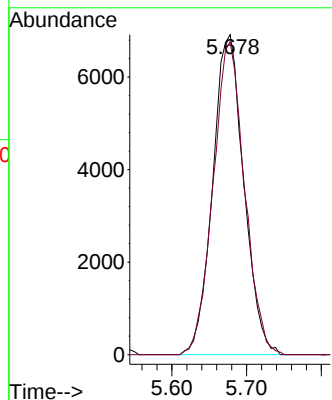
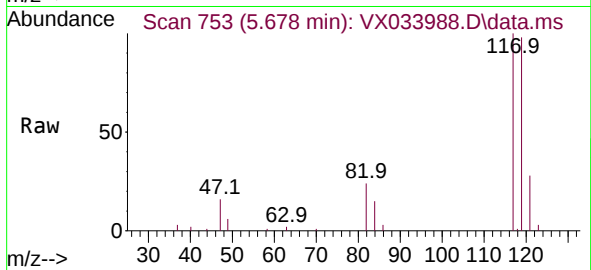




#31
Carbon tetrachloride
Concen: 9.004 ug/L
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

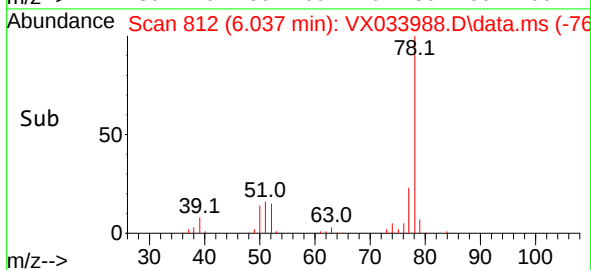
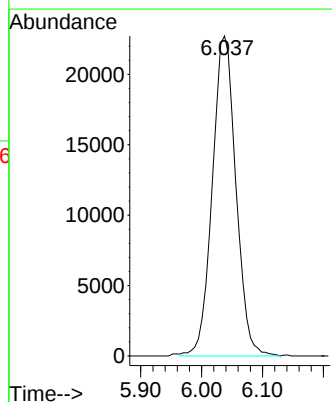
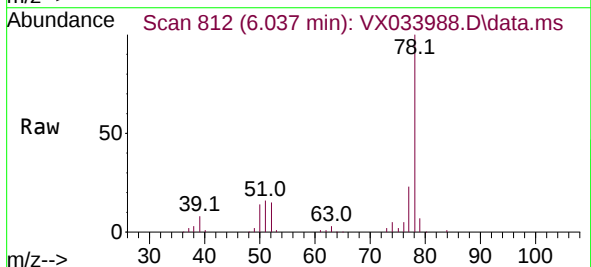
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

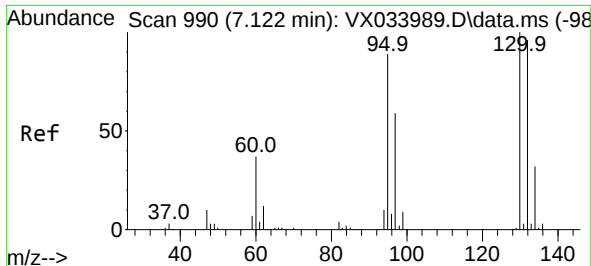
Tgt Ion:117 Resp: 20023
Ion Ratio Lower Upper
117 100
119 98.5 77.1 115.7



#33
Benzene
Concen: 9.713 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 78 Resp: 61079

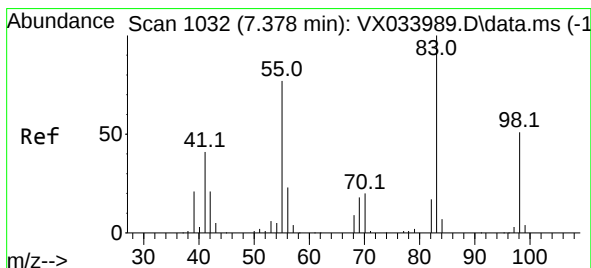
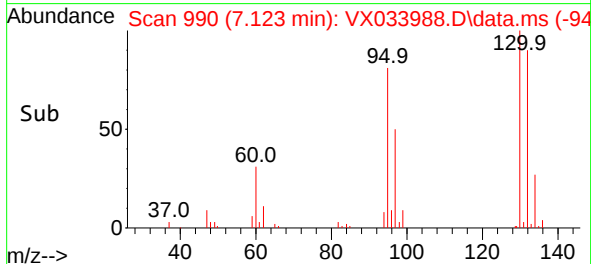
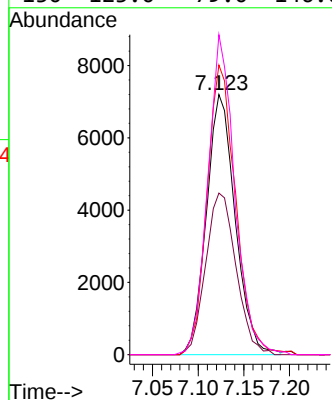
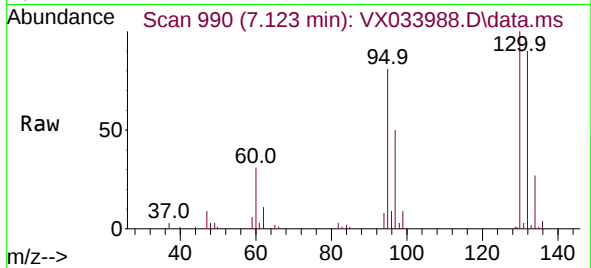




#34
Trichloroethene
Concen: 9.262 ug/L
RT: 7.123 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

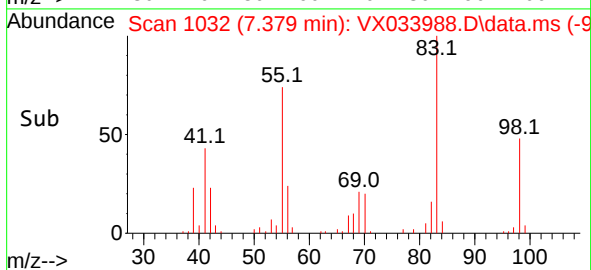
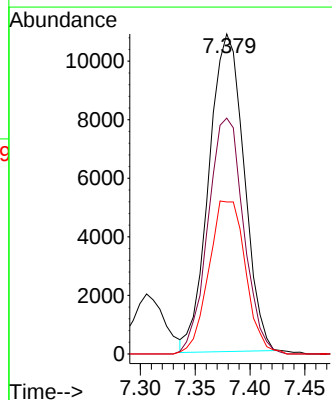
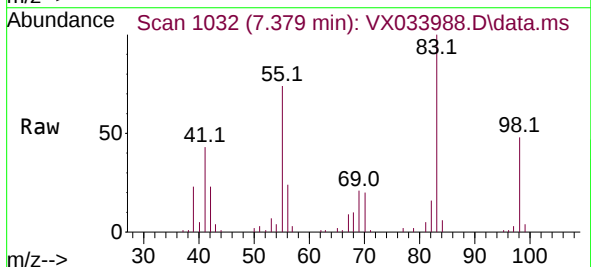
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

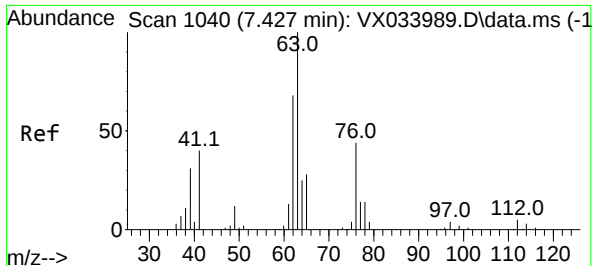
Tgt Ion: 95 Resp: 15784
Ion Ratio Lower Upper
95 100
97 62.1 46.8 87.0
132 111.3 76.2 141.4
130 123.0 79.0 146.6



#35
Methylcyclohexane
Concen: 8.906 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 83 Resp: 24201
Ion Ratio Lower Upper
83 100
55 75.3 59.0 88.4
98 50.3 40.6 60.8





#37

1,2-Dichloropropane

Concen: 9.782 ug/L

RT: 7.427 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

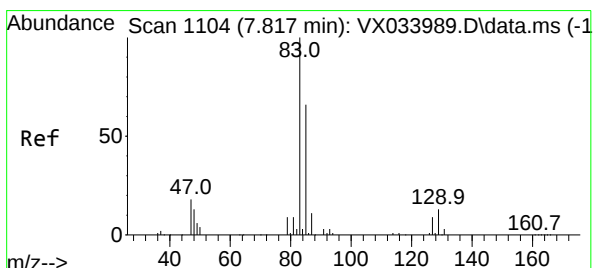
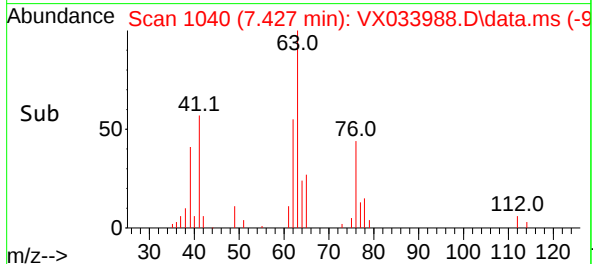
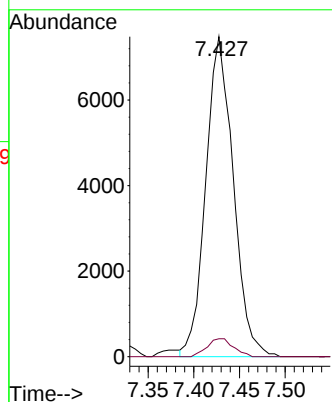
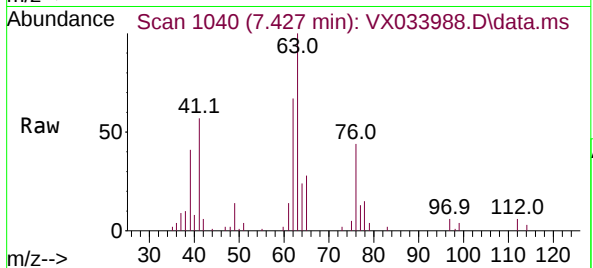
VSTD010614

Tgt Ion: 63 Resp: 15666

Ion Ratio Lower Upper

63 100

112 5.4 4.1 6.1



#38

Bromodichloromethane

Concen: 9.432 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

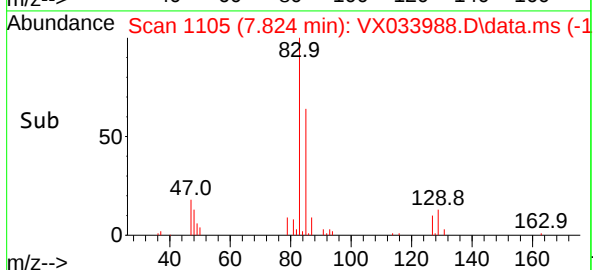
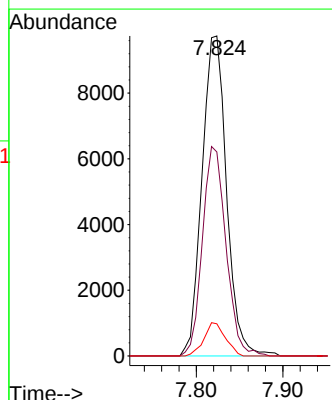
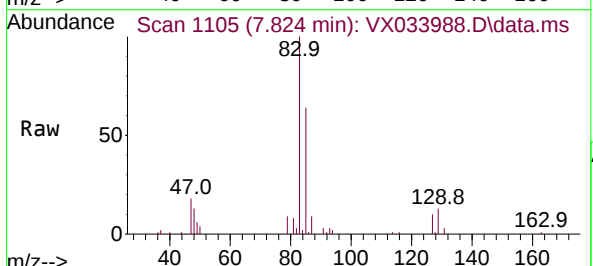
Tgt Ion: 83 Resp: 19208

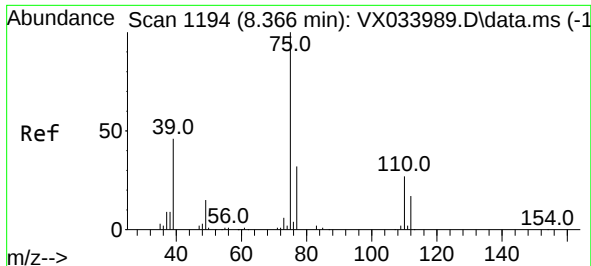
Ion Ratio Lower Upper

83 100

85 63.8 46.3 85.9

127 10.0 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 8.716 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

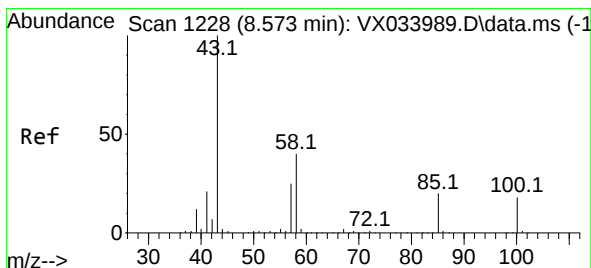
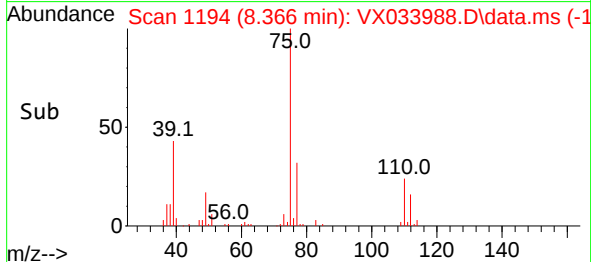
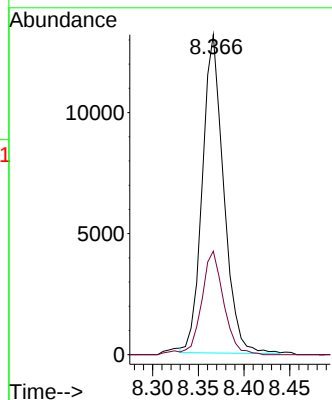
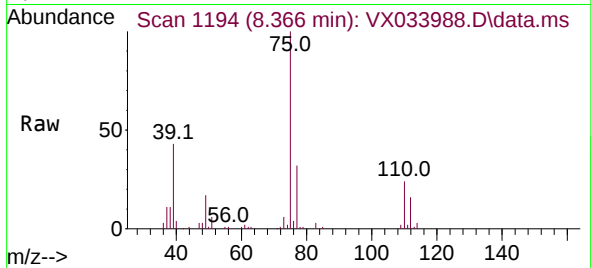
VSTD010614

Tgt Ion: 75 Resp: 21427

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 19.204 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

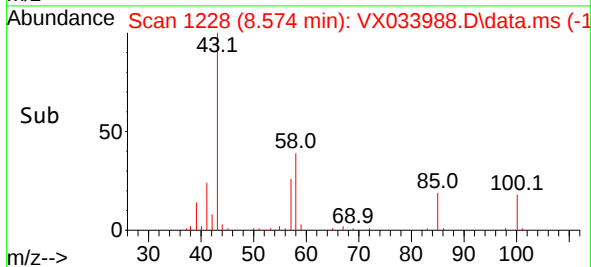
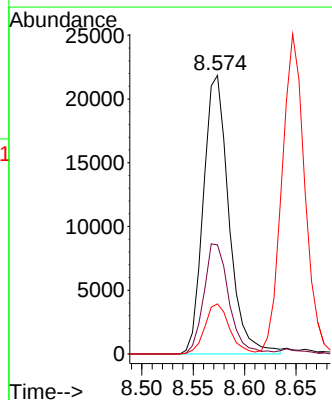
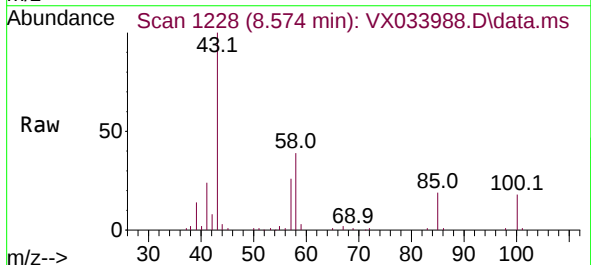
Tgt Ion: 43 Resp: 37849

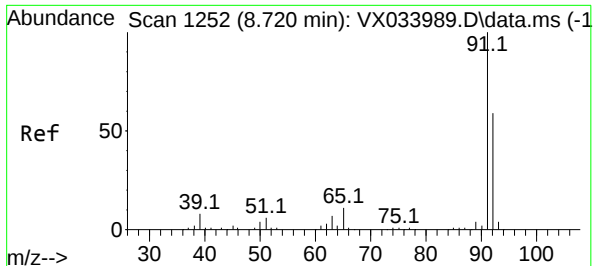
Ion Ratio Lower Upper

43 100

58 39.0 31.9 47.9

100 17.4 14.4 21.6





#42

Toluene

Concen: 9.599 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

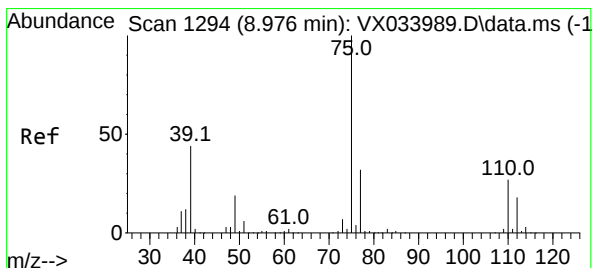
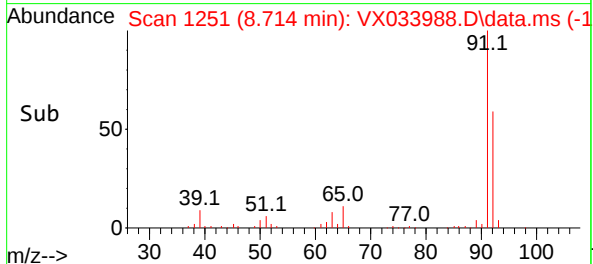
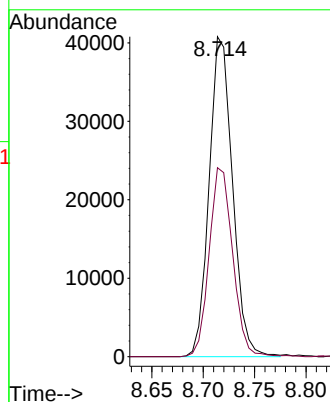
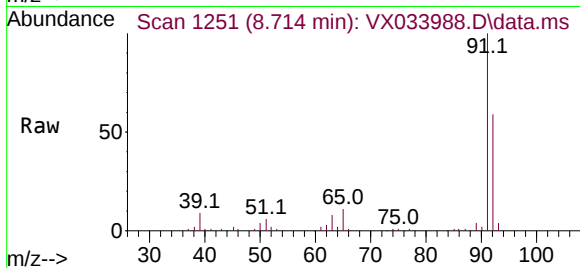
VSTD010614

Tgt Ion: 91 Resp: 64567

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 8.853 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX033988.D

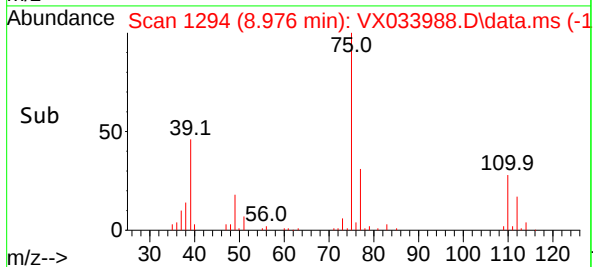
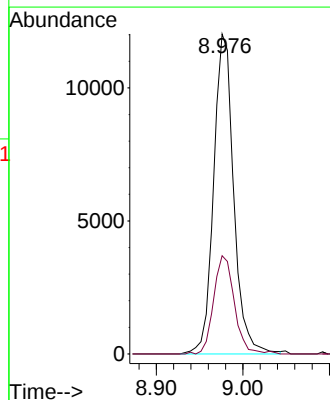
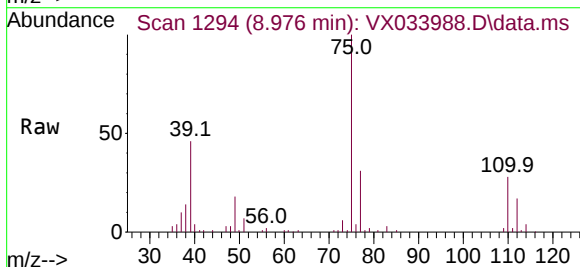
Acq: 02 Feb 2023 10:33

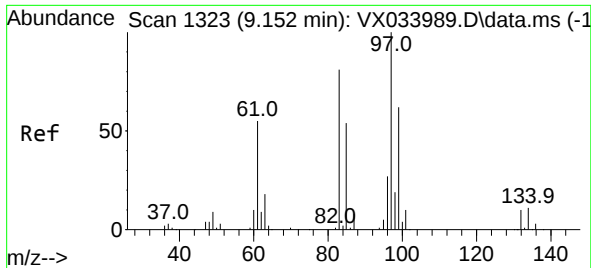
Tgt Ion: 75 Resp: 19365

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.3

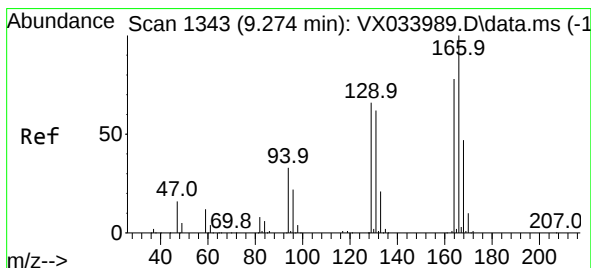
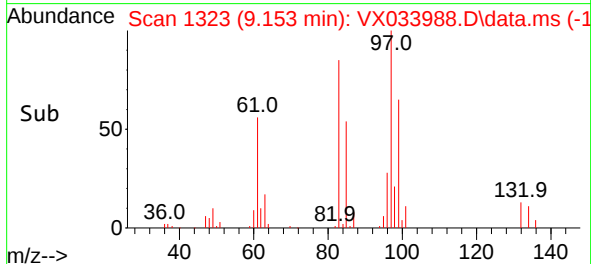
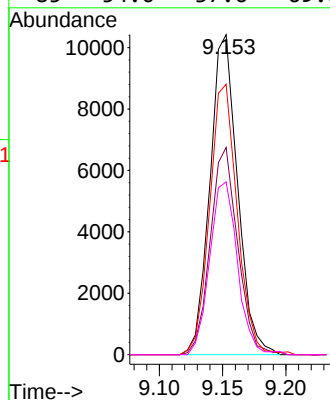
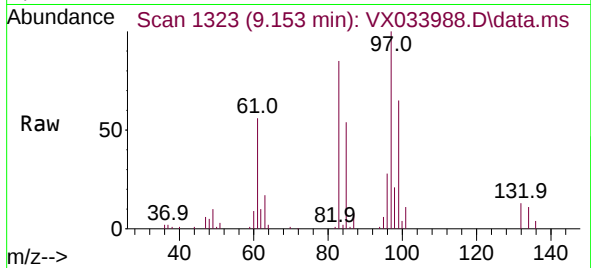




#45
1,1,2-Trichloroethane
Concen: 9.770 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

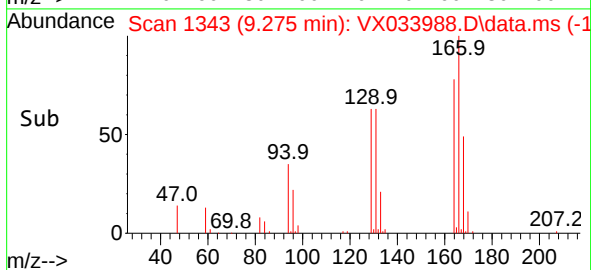
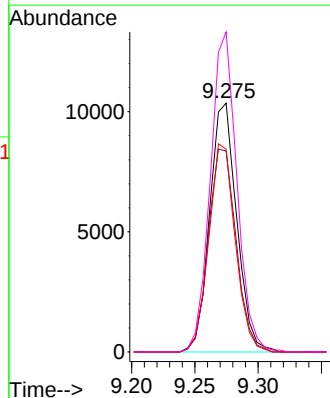
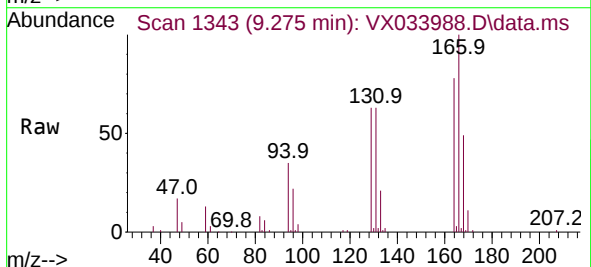
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

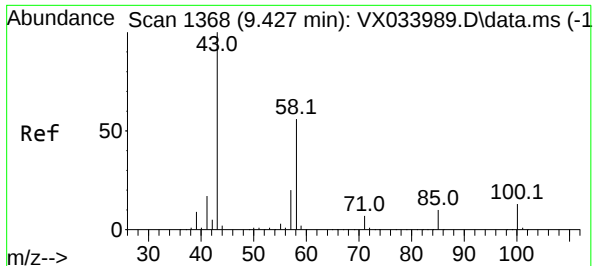
Tgt Ion: 97	Resp: 15840
Ion Ratio	Lower Upper
97 100	
99 64.8	43.5 80.9
83 84.5	56.8 105.4
85 54.0	37.6 69.8



#46
Tetrachloroethene
Concen: 9.441 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion:164	Resp: 15448
Ion Ratio	Lower Upper
164 100	
129 80.8	59.3 110.1
131 81.5	56.1 104.3
166 128.7	90.3 167.7





#48

2-Hexanone

Concen: 20.231 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

Tgt Ion: 43 Resp: 31777

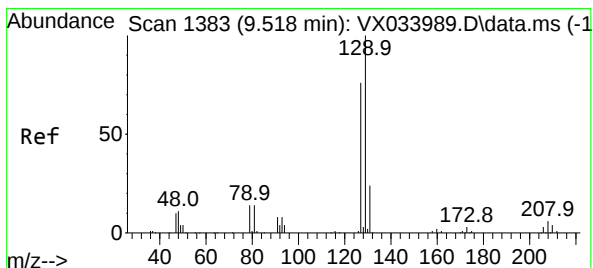
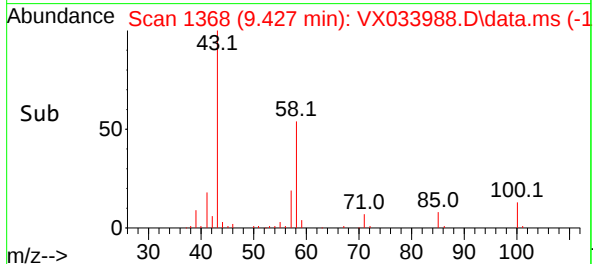
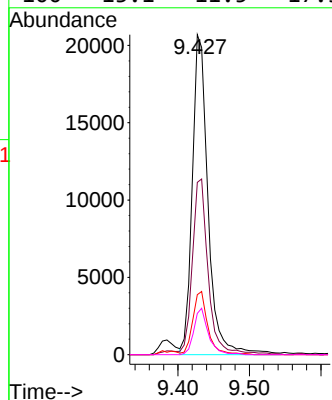
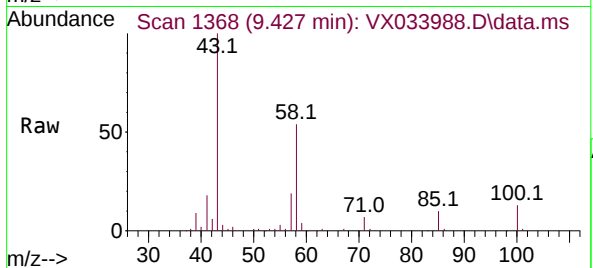
Ion Ratio Lower Upper

43 100

58 51.5 45.7 68.5

57 18.0 15.8 23.8

100 13.1 11.5 17.3



#49

Dibromochloromethane

Concen: 9.267 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX033988.D

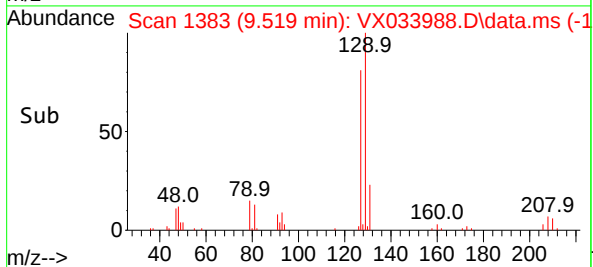
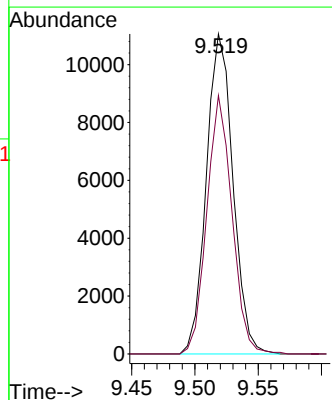
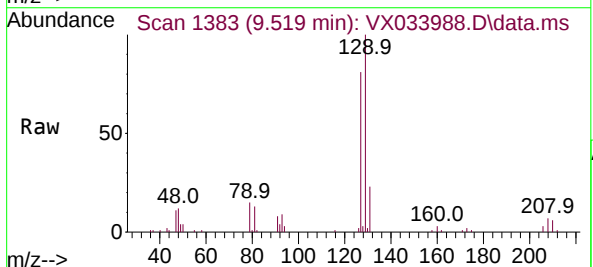
Acq: 02 Feb 2023 10:33

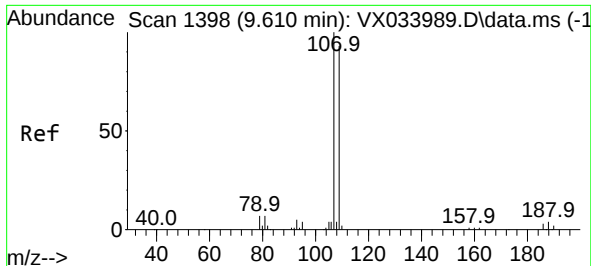
Tgt Ion: 129 Resp: 16211

Ion Ratio Lower Upper

129 100

127 80.7 53.3 98.9





#50

1,2-Dibromoethane

Concen: 9.584 ug/L

RT: 9.610 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

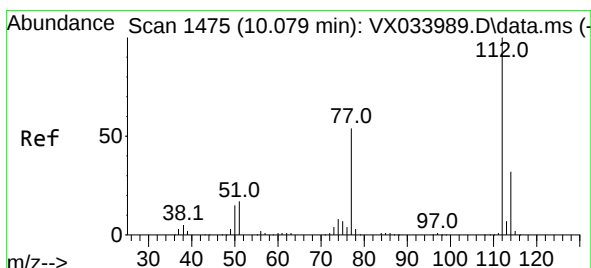
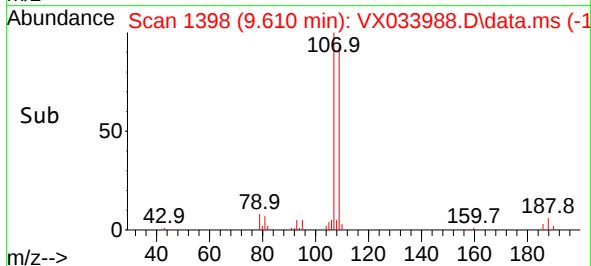
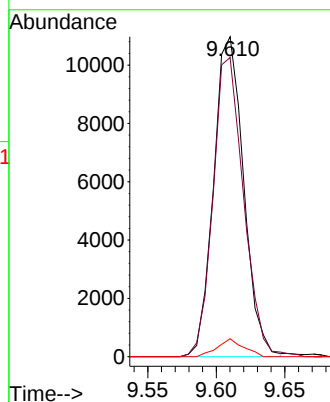
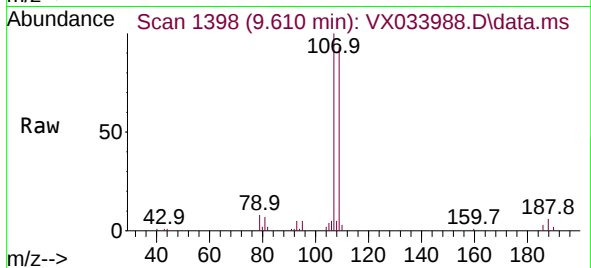
Tgt Ion:107 Resp: 16697

Ion Ratio Lower Upper

107 100

109 93.5 64.9 120.5

188 5.6 3.3 4.9#



#51

Chlorobenzene

Concen: 9.789 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

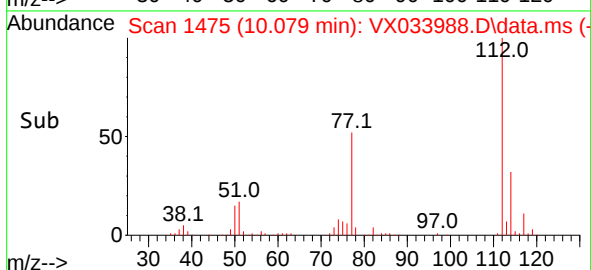
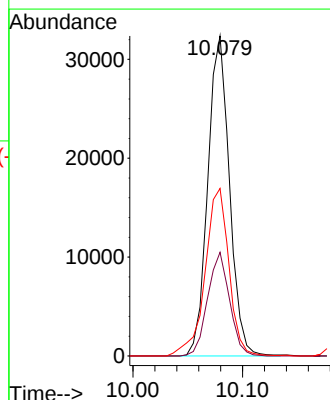
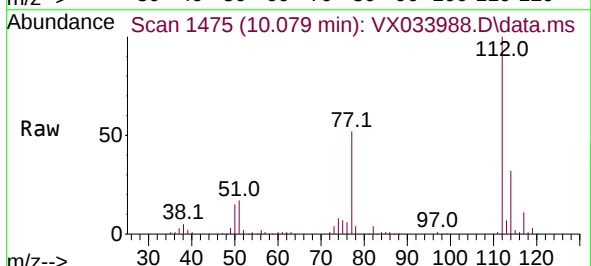
Tgt Ion:112 Resp: 44483

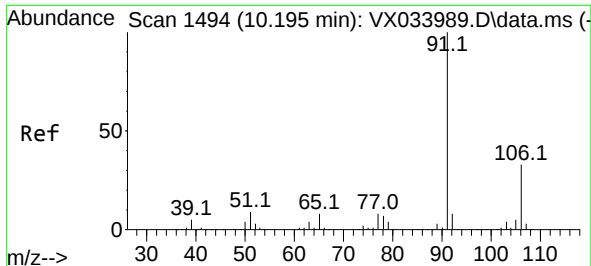
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.3

77 52.4 43.4 65.0





#52

Ethylbenzene

Concen: 9.548 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

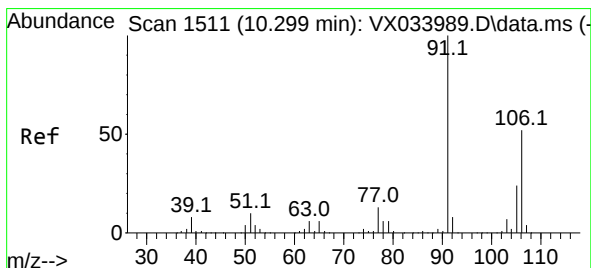
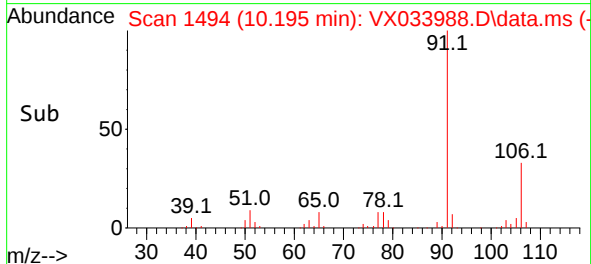
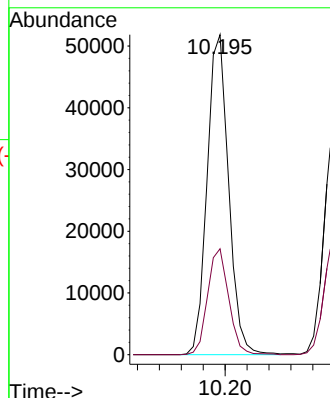
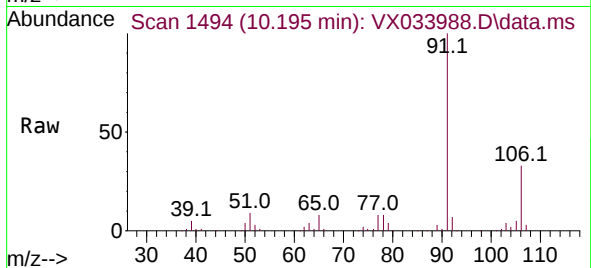
VSTD010614

Tgt Ion: 91 Resp: 70578

Ion Ratio Lower Upper

91 100

106 33.1 23.2 43.0



#53

m,p-Xylene

Concen: 9.610 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX033988.D

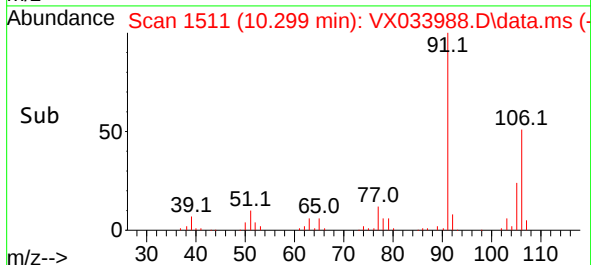
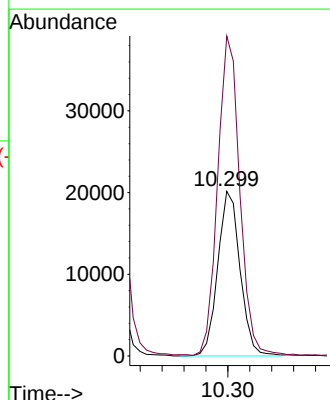
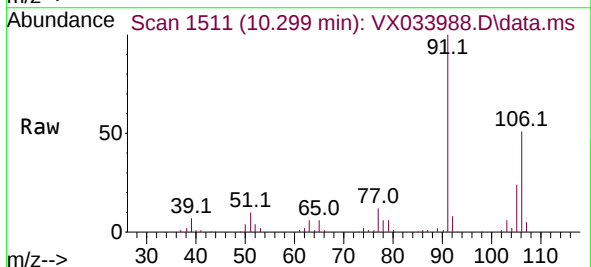
Acq: 02 Feb 2023 10:33

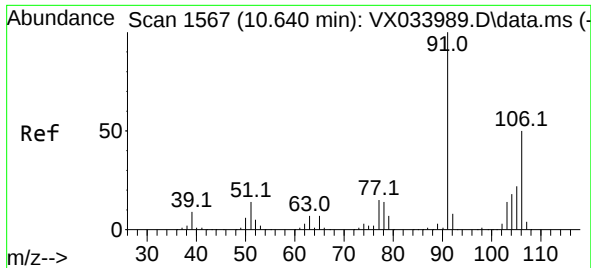
Tgt Ion:106 Resp: 28515

Ion Ratio Lower Upper

106 100

91 194.3 135.2 251.0

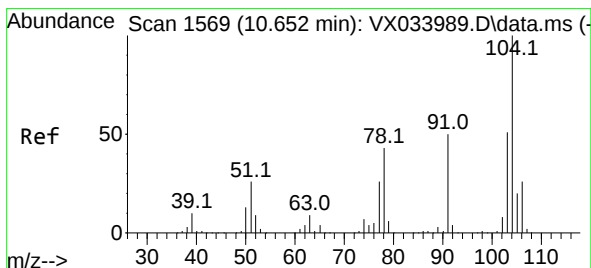
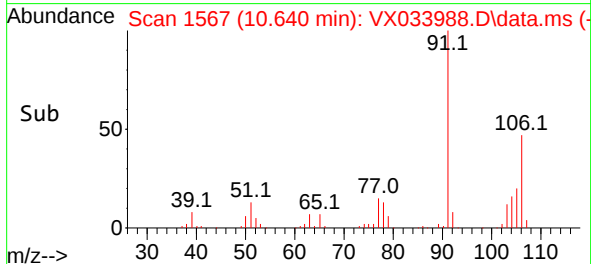
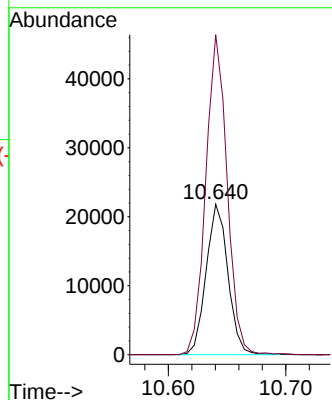
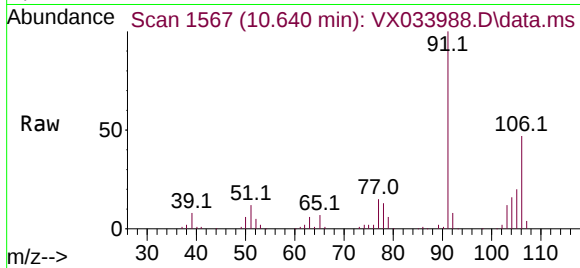




#54
o-Xylene
Concen: 9.798 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

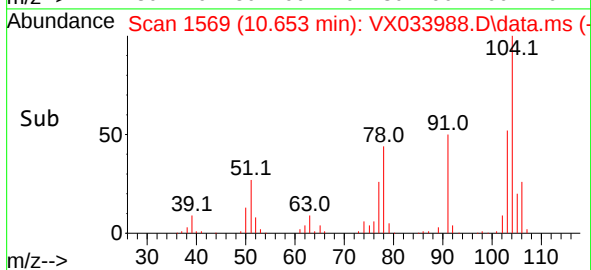
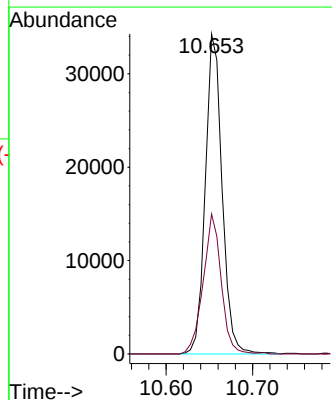
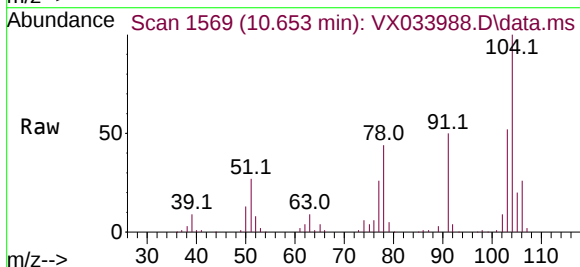
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

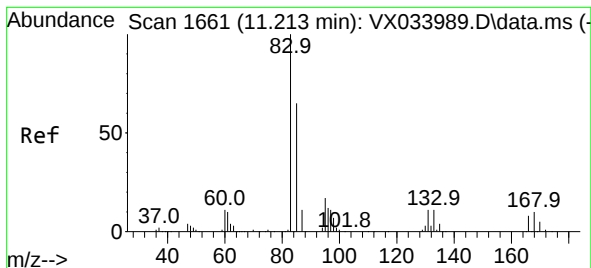
Tgt Ion:106 Resp: 28089
Ion Ratio Lower Upper
106 100
91 212.8 140.2 260.4



#55
Styrene
Concen: 9.591 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion:104 Resp: 46128
Ion Ratio Lower Upper
104 100
78 43.8 30.0 55.8

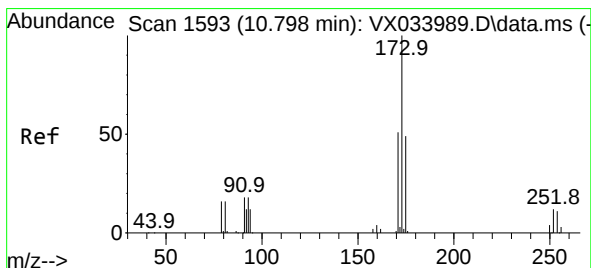
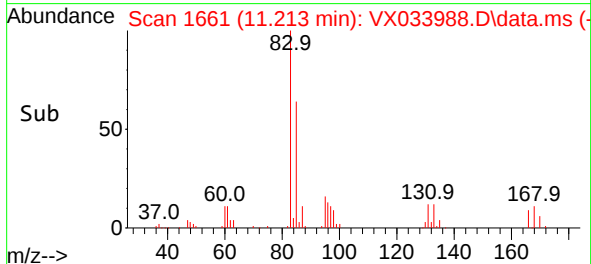
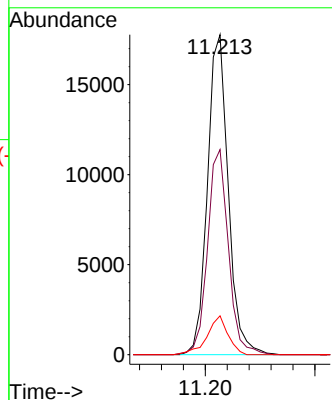
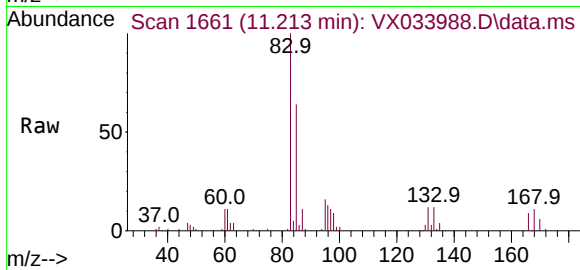




#57
1,1,2,2-Tetrachloroethane
Concen: 10.267 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

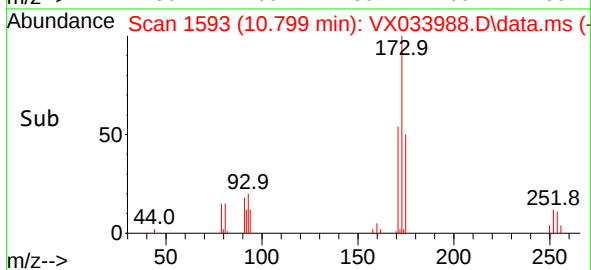
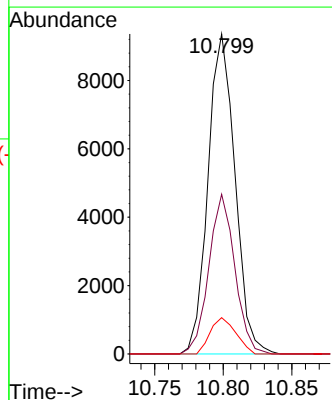
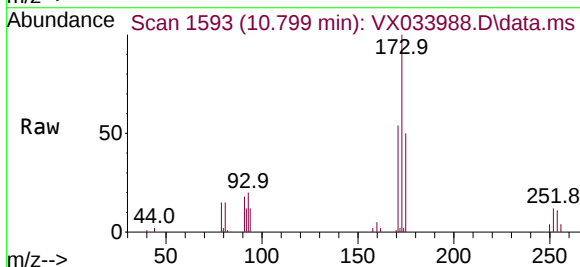
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

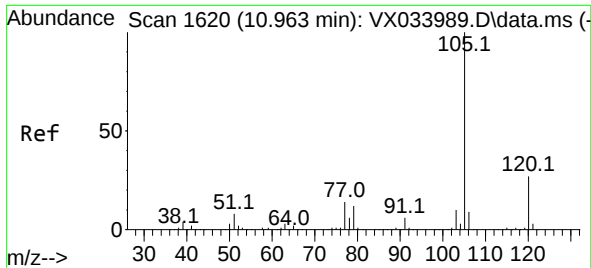
Tgt Ion: 83 Resp: 23399
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.0
131 12.2 9.1 13.7



#59
Bromoform
Concen: 9.079 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 173 Resp: 12829
Ion Ratio Lower Upper
173 100
175 48.1 38.3 57.5
254 10.8 9.1 13.7

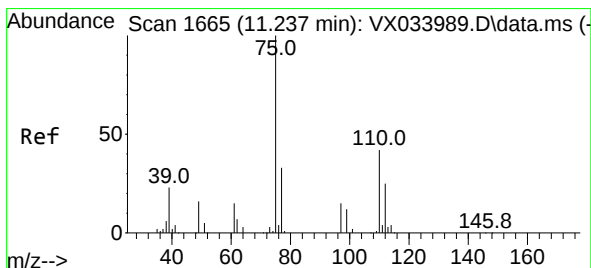
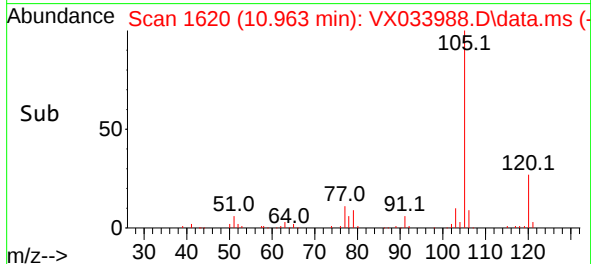
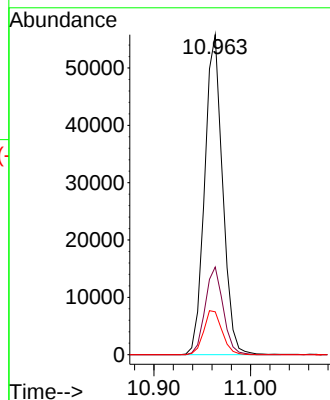
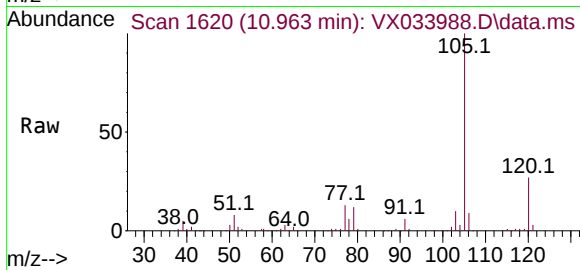




#60
Isopropylbenzene
Concen: 9.507 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

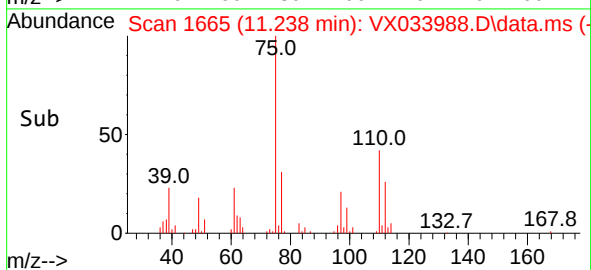
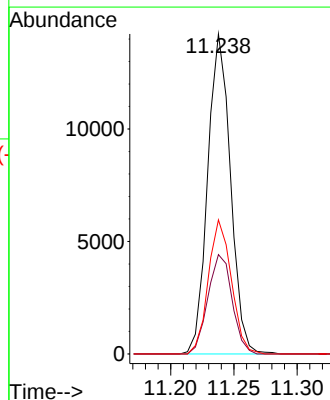
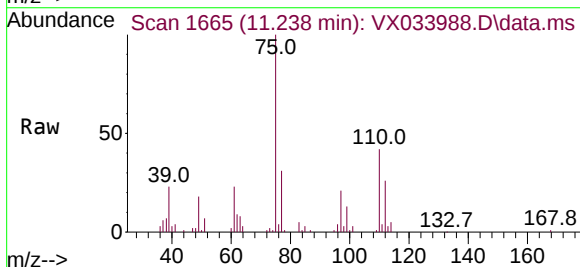
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

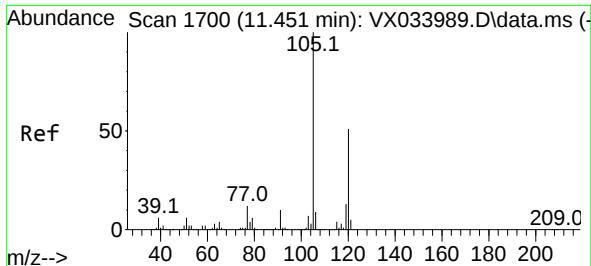
Tgt Ion:105 Resp: 72113
Ion Ratio Lower Upper
105 100
120 27.4 21.8 32.6
77 14.1 11.3 16.9



#61
1,2,3-Trichloropropane
Concen: 10.127 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 75 Resp: 17850
Ion Ratio Lower Upper
75 100
77 32.8 26.1 39.1
110 42.3 34.2 51.4

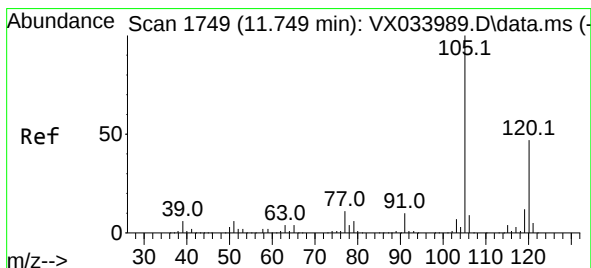
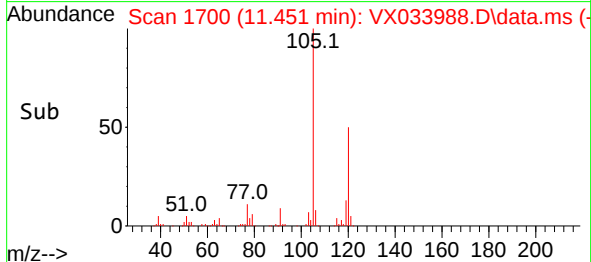
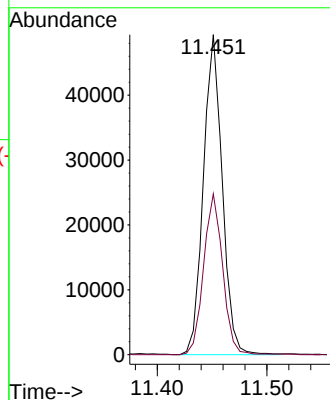
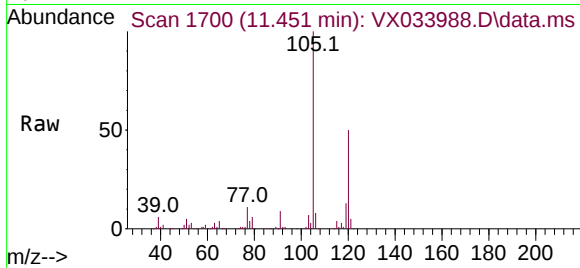




#62
 1,3,5-Trimethylbenzene
 Concen: 9.478 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

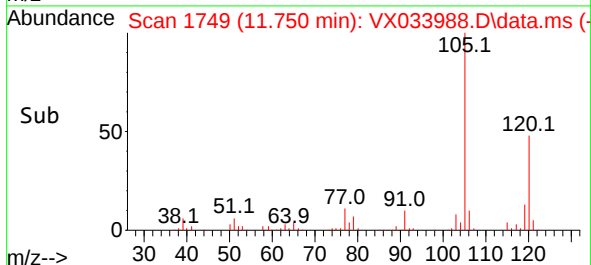
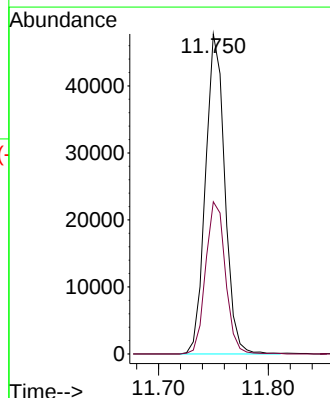
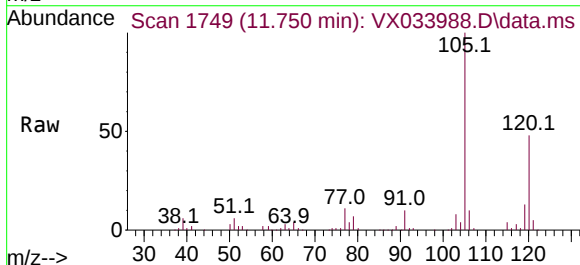
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010614

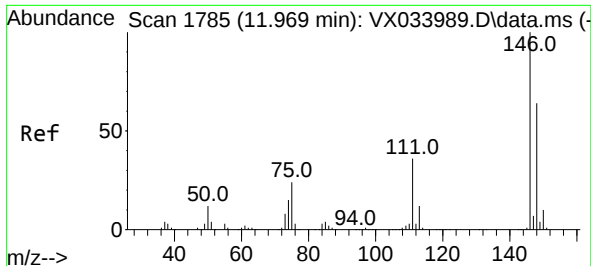
Tgt Ion:105 Resp: 58851
 Ion Ratio Lower Upper
 105 100
 120 50.5 41.3 61.9



#63
 1,2,4-Trimethylbenzene
 Concen: 9.529 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX033988.D
 Acq: 02 Feb 2023 10:33

Tgt Ion:105 Resp: 58317
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.5 57.7

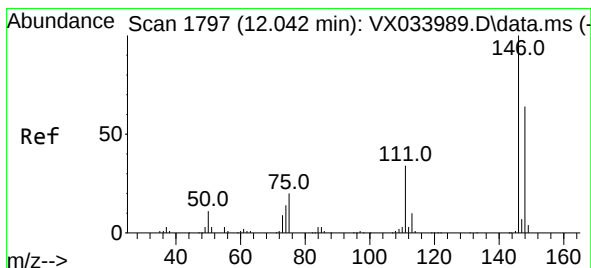
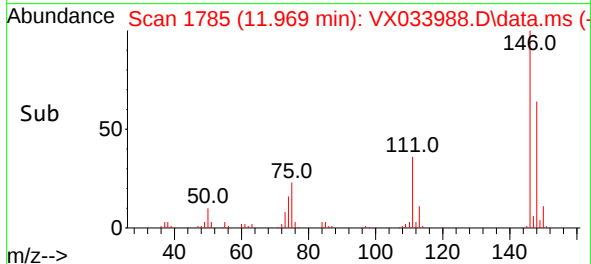
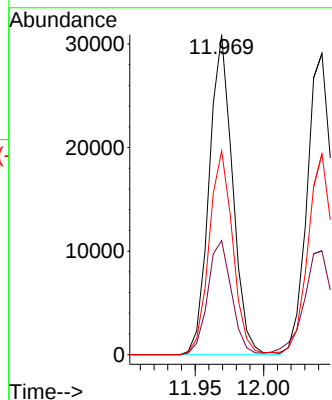
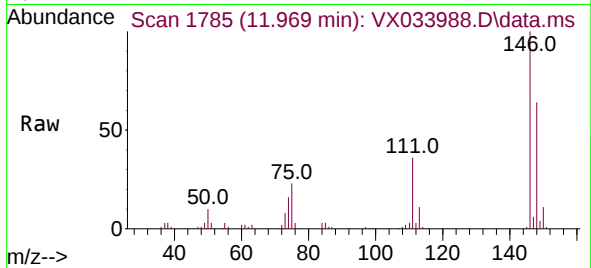




#64
1,3-Dichlorobenzene
Concen: 9.721 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

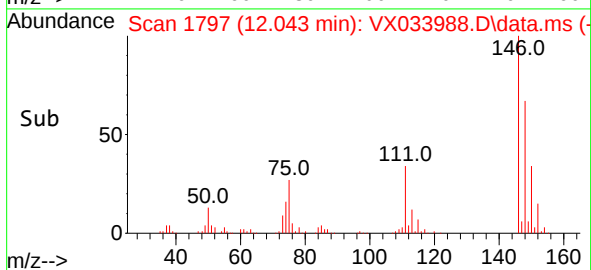
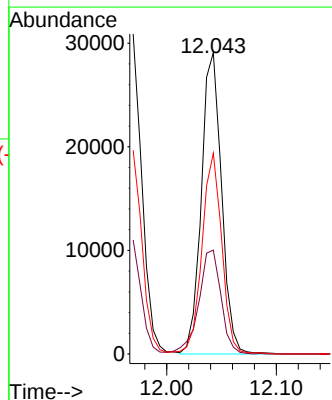
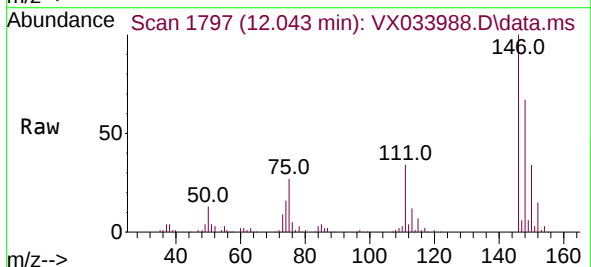
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

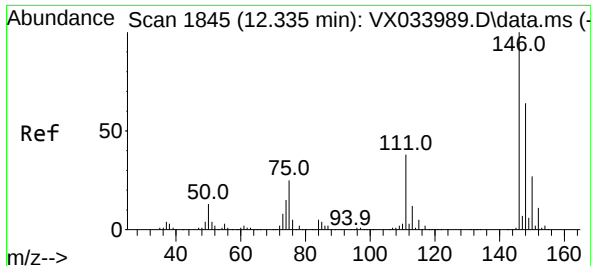
Tgt Ion:146 Resp: 36665
Ion Ratio Lower Upper
146 100
111 35.7 25.5 47.3
148 63.6 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 9.766 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion:146 Resp: 37279
Ion Ratio Lower Upper
146 100
111 34.5 23.7 44.1
148 66.6 45.0 83.6

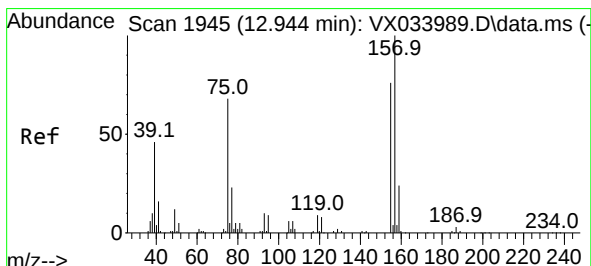
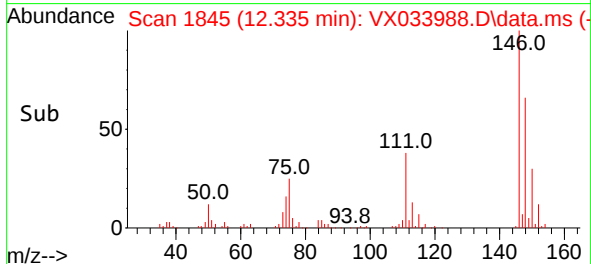
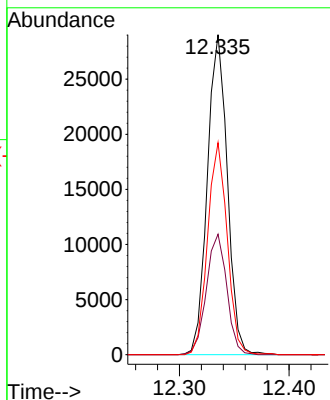
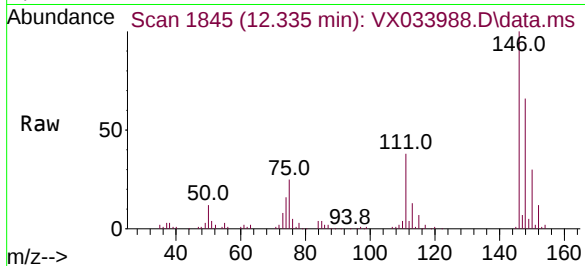




#67
1,2-Dichlorobenzene
Concen: 9.981 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

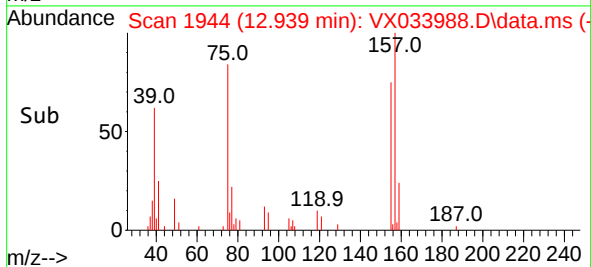
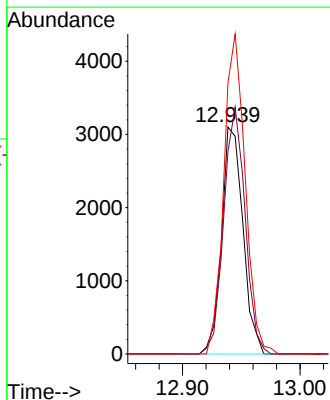
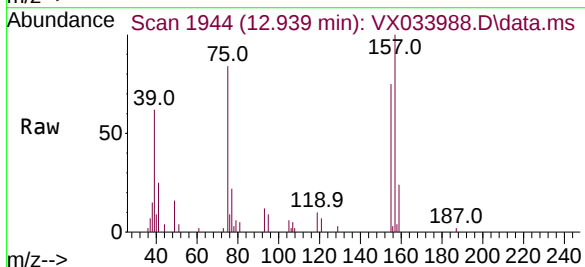
Instrument :
MSVOA_X
ClientSampleId :
VSTD010614

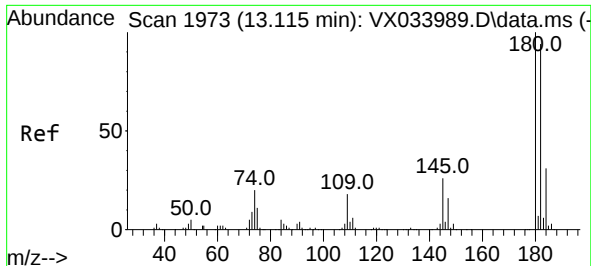
Tgt Ion:146 Resp: 36813
Ion Ratio Lower Upper
146 100
111 37.6 30.4 45.6
148 66.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 9.052 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX033988.D
Acq: 02 Feb 2023 10:33

Tgt Ion: 75 Resp: 3909
Ion Ratio Lower Upper
75 100
155 89.3 89.0 133.6
157 119.5 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 9.416 ug/L

RT: 13.109 min Scan# 1973

Delta R.T. -0.006 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

Tgt Ion:180 Resp: 26783

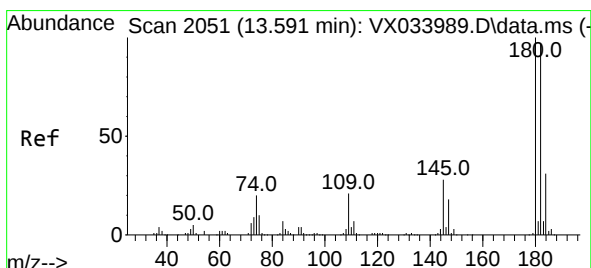
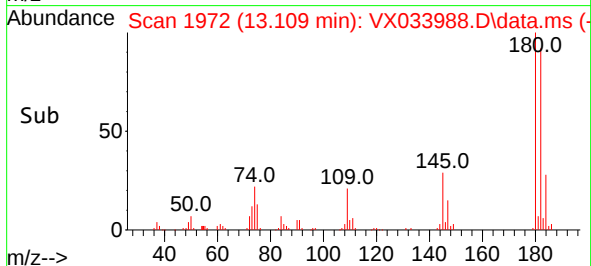
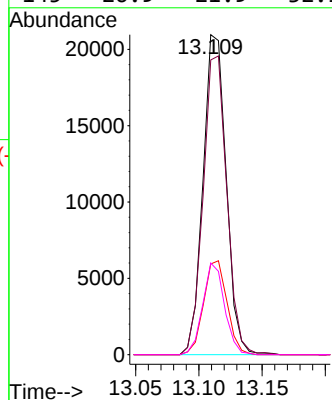
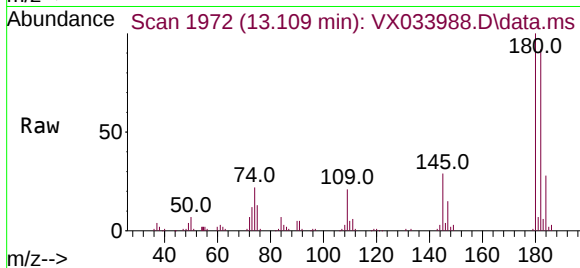
Ion Ratio Lower Upper

180 100

182 95.0 77.3 115.9

184 29.6 24.5 36.7

145 26.9 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 8.922 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

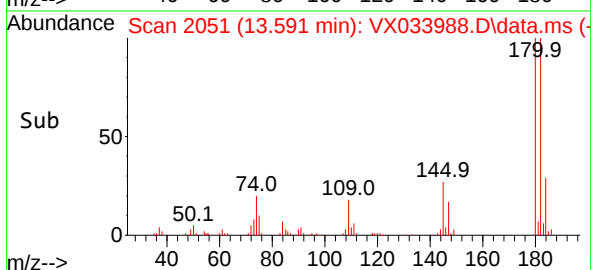
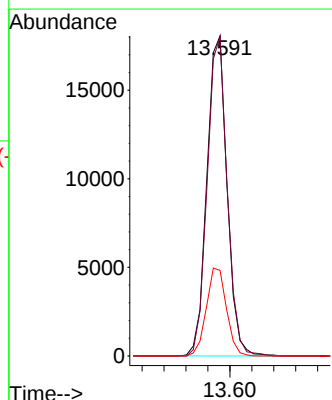
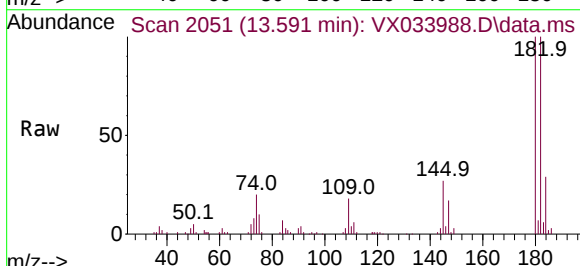
Tgt Ion:180 Resp: 23038

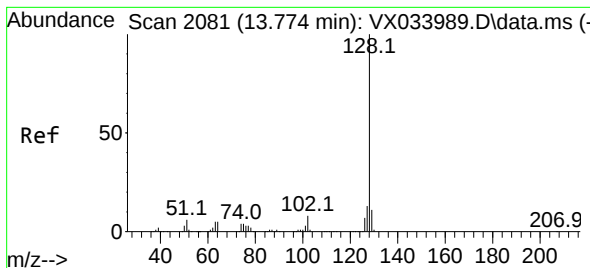
Ion Ratio Lower Upper

180 100

182 98.4 76.5 114.7

145 27.4 22.3 33.5





#71

Naphthalene

Concen: 9.224 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTD010614

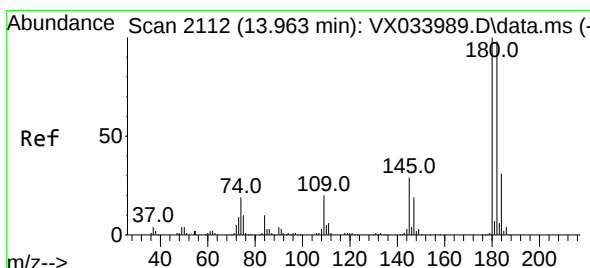
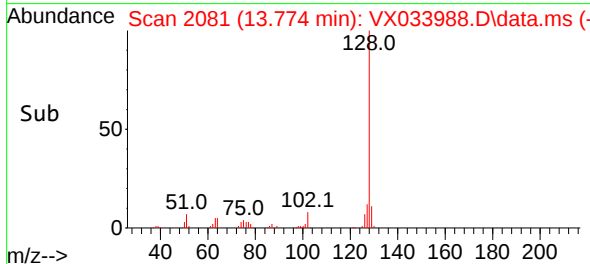
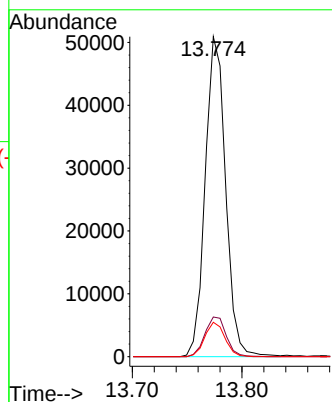
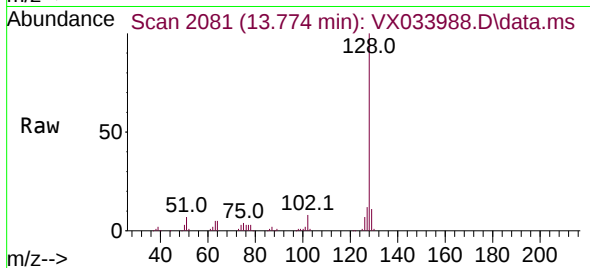
Tgt Ion:128 Resp: 65941

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 9.468 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX033988.D

Acq: 02 Feb 2023 10:33

Tgt Ion:180 Resp: 24135

Ion Ratio Lower Upper

180 100

182 95.1 77.1 115.7

145 28.7 23.5 35.3

