

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020223\
 Data File : VX033990.D
 Acq On : 02 Feb 2023 14:09
 Operator : JC/MD
 Sample : VSTD10016
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100616

Quant Time: Feb 03 04:12:21 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	245570	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	210600	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	116103	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	150459	91.997	ug/L	0.00
7) Chloroethane-d5	1.666	69	87297	87.923	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	286964	95.758	ug/L	0.00
21) 2-Butanone-d5	4.446	46	187097	199.533	ug/L	0.00
24) Chloroform-d	5.050	84	283775	96.730	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	169116	95.542	ug/L	0.00
32) Benzene-d6	5.970	84	586943	97.225	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	174925	98.010	ug/L	0.00
41) Toluene-d8	8.646	98	549058	95.876	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	86001	106.182	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	138070	206.292	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	212876	95.119	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	223580	96.210	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	176294	96.495	ug/L	100
3) Chloromethane	1.294	50	146747	87.999	ug/L	97
5) Vinyl chloride	1.373	62	156632	92.887	ug/L	99
6) Bromomethane	1.611	94	72829	83.288	ug/L	97
8) Chloroethane	1.684	64	83587	93.246	ug/L	99
9) Trichlorofluoromethane	1.886	101	231789	96.981	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	162357	98.231	ug/L	98
12) 1,1-Dichloroethene	2.318	96	144889	95.829	ug/L	93
13) Acetone	2.379	43	176712	183.181	ug/L	98
14) Carbon disulfide	2.513	76	411076	100.452	ug/L	100
15) Methyl Acetate	2.696	43	146546	95.353	ug/L	100
16) Methylene chloride	2.788	84	151432	94.580	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	151234	96.897	ug/L	99
18) Methyl tert-butyl Ether	3.105	73	445099	97.945	ug/L	100
19) 1,1-Dichloroethane	3.605	63	260963	95.803	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	171350	96.066	ug/L	100
22) 2-Butanone	4.550	43	226427	191.110	ug/L	98
23) Bromochloromethane	4.891	128	94211	96.216	ug/L	97
25) Chloroform	5.086	83	273641	97.281	ug/L	99
27) 1,2-Dichloroethane	6.080	62	207580	96.150	ug/L	99
29) Cyclohexane	5.464	56	258649	100.414	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	239509	100.619	ug/L	99
31) Carbon tetrachloride	5.671	117	226788	102.406	ug/L	100
33) Benzene	6.031	78	607169	96.954	ug/L	100
34) Trichloroethene	7.122	95	166390	98.036	ug/L	99
35) Methylcyclohexane	7.378	83	280206	103.537	ug/L	99
37) 1,2-Dichloropropane	7.427	63	155261	97.340	ug/L	100
38) Bromodichloromethane	7.817	83	201894	99.546	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	253586	103.581	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	384636	195.956	ug/L	99
42) Toluene	8.714	91	655146	97.797	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	230826	105.955	ug/L	100

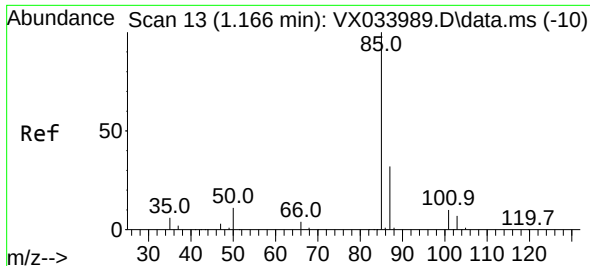
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020223\
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:09:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.146	97	156486	96.919	ug/L	99
46) Tetrachloroethene	9.268	164	160997	98.800	ug/L	98
48) 2-Hexanone	9.427	43	308345	197.119	ug/L	98
49) Dibromochloromethane	9.518	129	175909	100.975	ug/L	99
50) 1,2-Dibromoethane	9.610	107	169211	97.523	ug/L #	98
51) Chlorobenzene	10.079	112	438811	96.957	ug/L	99
52) Ethylbenzene	10.195	91	727557	98.825	ug/L	99
53) m,p-Xylene	10.299	106	291337	98.585	ug/L	99
54) o-Xylene	10.640	106	275026	96.331	ug/L	96
55) Styrene	10.652	104	472366	98.622	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	215276	94.842	ug/L	99
59) Bromoform	10.799	173	144385	102.185	ug/L	99
60) Isopropylbenzene	10.963	105	747012	98.484	ug/L	99
61) 1,2,3-Trichloropropane	11.237	75	163113	92.542	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	621956	100.177	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	612969	100.165	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	366050	97.053	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	367743	96.339	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	352965	95.705	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	43064	99.723	ug/L	95
69) 1,3,5-Trichlorobenzene	13.115	180	287117	100.942	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	264052	102.262	ug/L	100
71) Naphthalene	13.774	128	724681	101.374	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	254839	99.975	ug/L	100

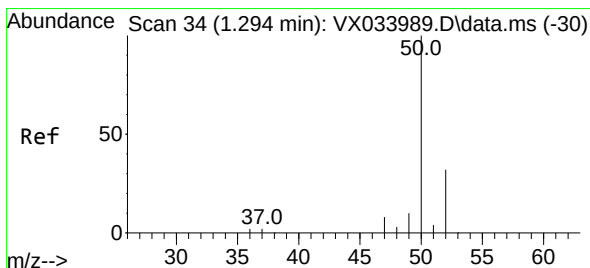
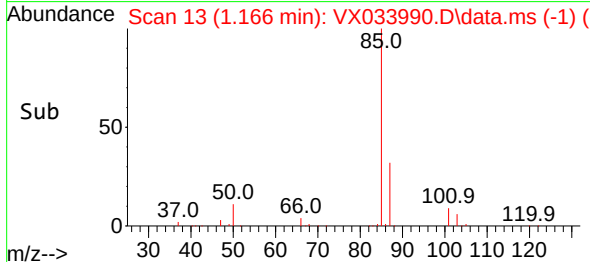
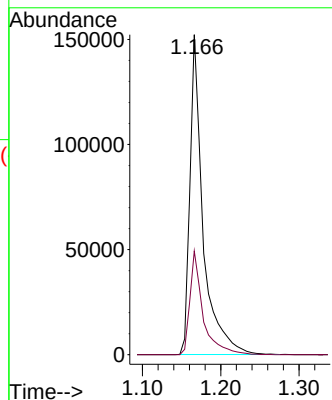
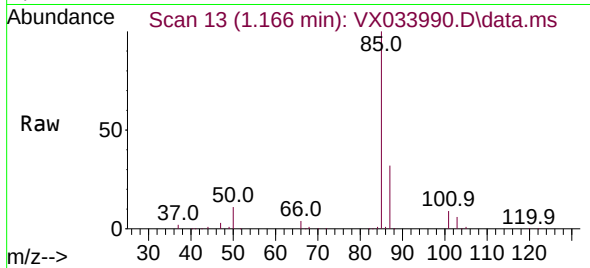
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 96.495 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
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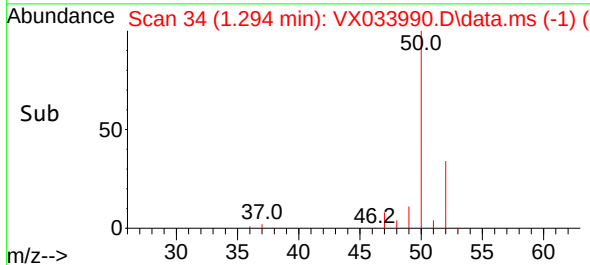
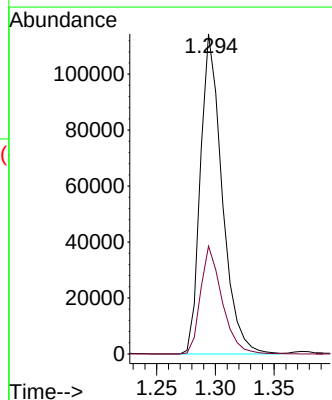
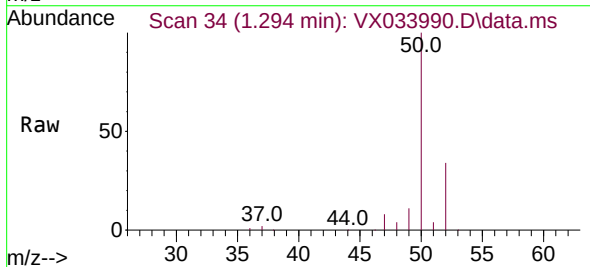
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100616

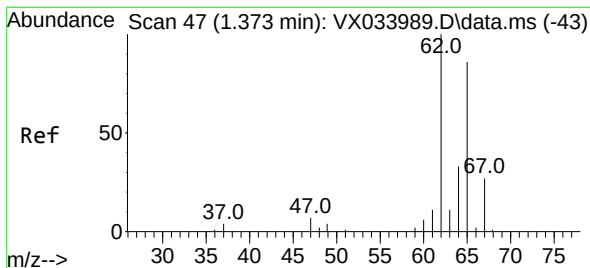
Tgt Ion: 85 Resp: 176294
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 87.999 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX033990.D
 Acq: 02 Feb 2023 14:09

Tgt Ion: 50 Resp: 146747
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.5 41.7





#5

Vinyl chloride

Concen: 92.887 ug/L

RT: 1.373 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

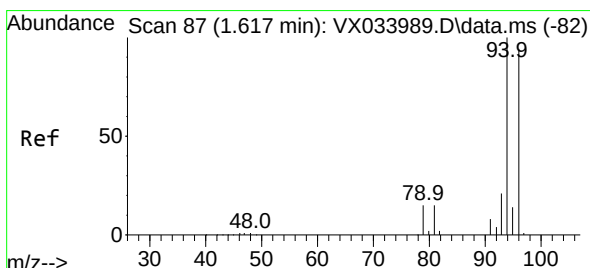
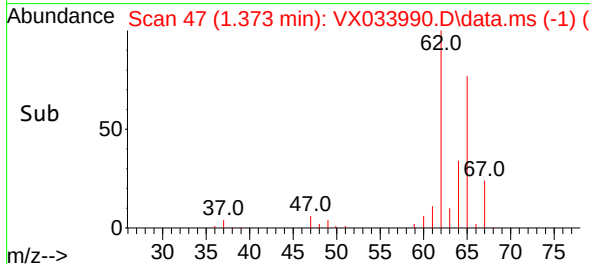
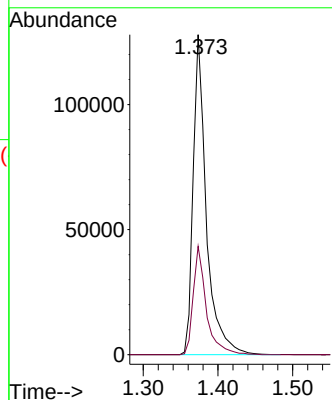
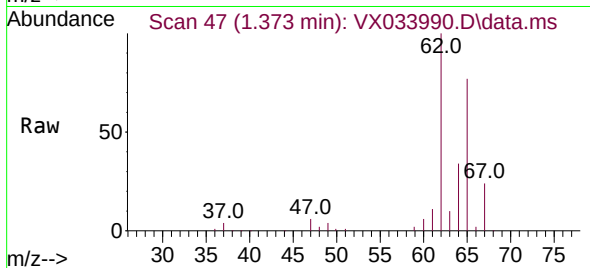
VSTD100616

Tgt Ion: 62 Resp: 156632

Ion Ratio Lower Upper

62 100

64 33.9 23.2 43.0



#6

Bromomethane

Concen: 83.288 ug/L

RT: 1.611 min Scan# 86

Delta R.T. -0.006 min

Lab File: VX033990.D

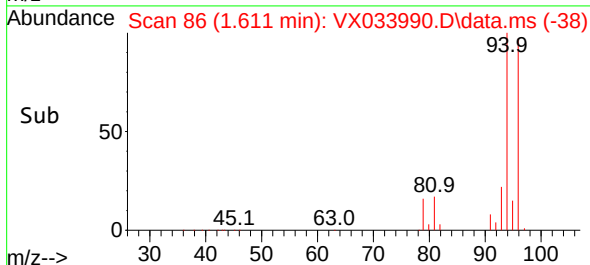
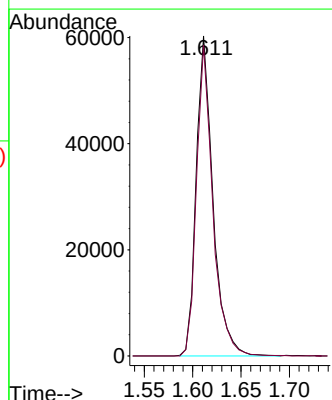
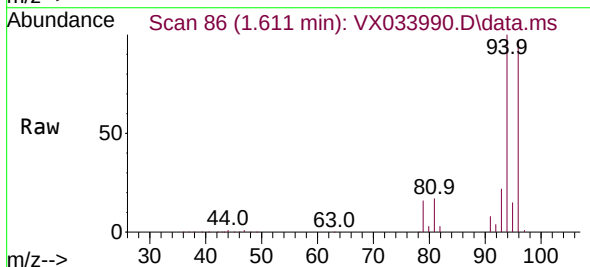
Acq: 02 Feb 2023 14:09

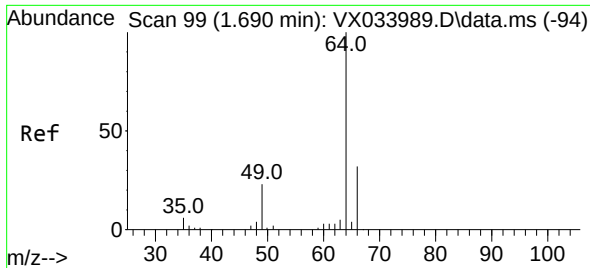
Tgt Ion: 94 Resp: 72829

Ion Ratio Lower Upper

94 100

96 97.2 65.7 122.1

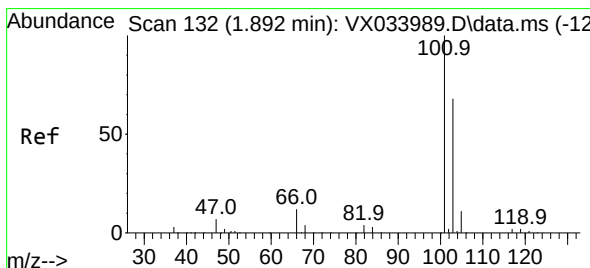
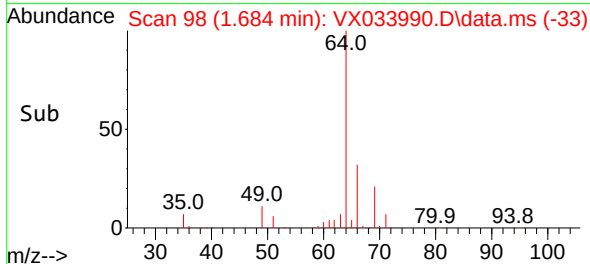
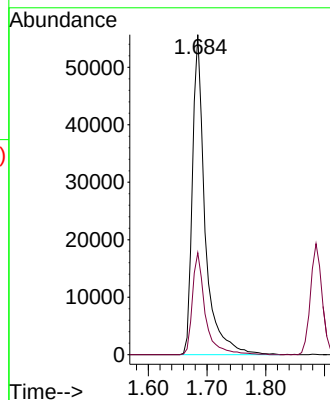
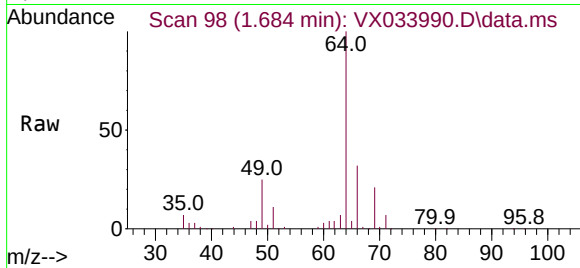




#8
Chloroethane
Concen: 93.246 ug/L
RT: 1.684 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

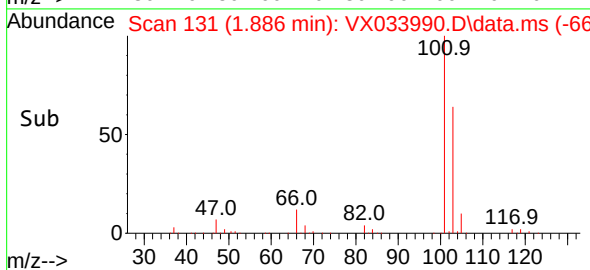
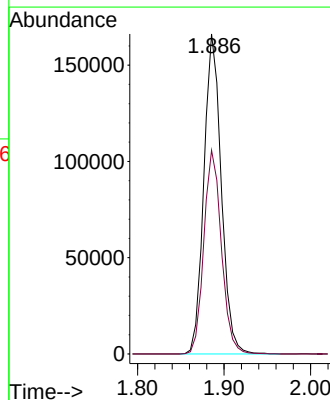
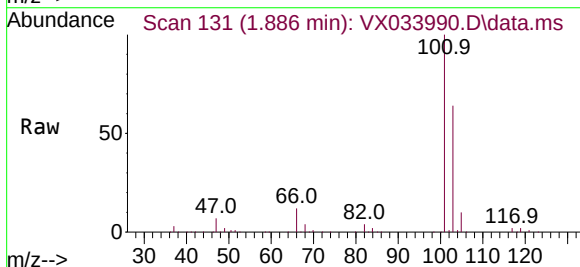
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

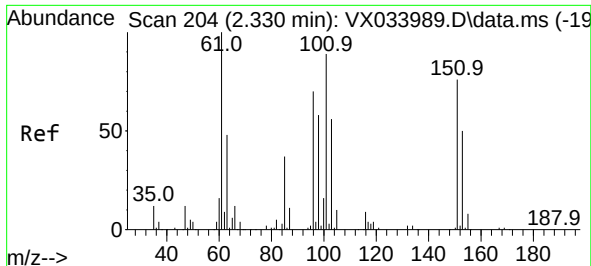
Tgt Ion: 64 Resp: 83587
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 96.981 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 101 Resp: 231789
Ion Ratio Lower Upper
101 100
103 64.1 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 98.231 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

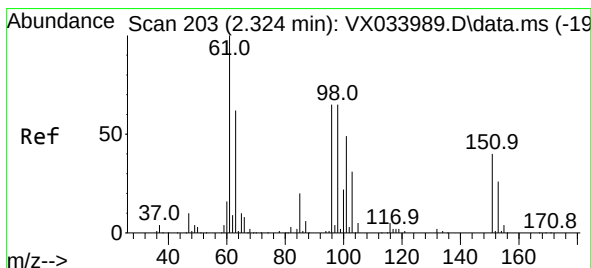
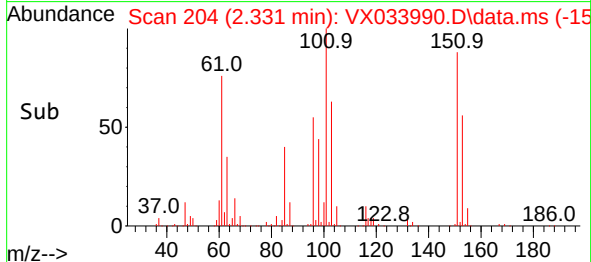
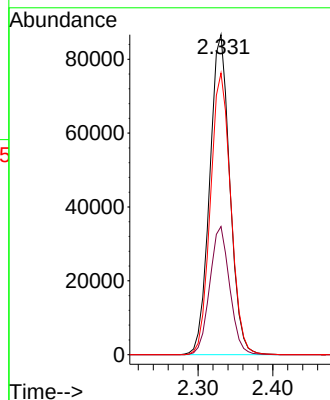
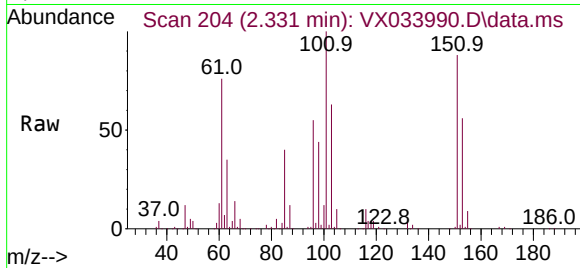
Tgt Ion:101 Resp: 162357

Ion Ratio Lower Upper

101 100

85 39.5 32.2 48.4

151 88.5 69.3 103.9



#12

1,1-Dichloroethene

Concen: 95.829 ug/L

RT: 2.318 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

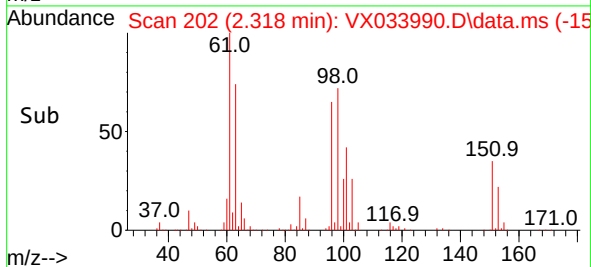
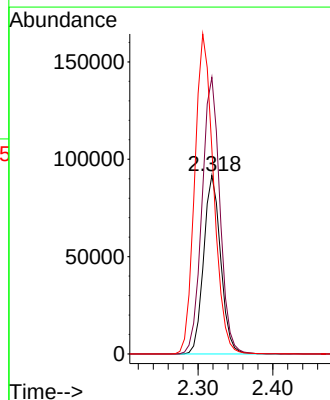
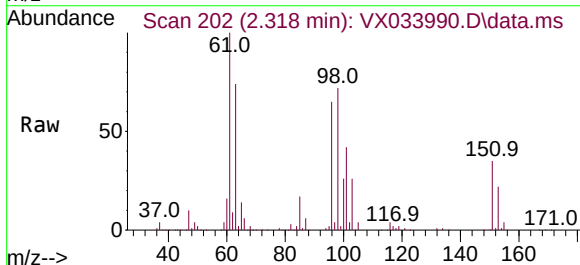
Tgt Ion: 96 Resp: 144889

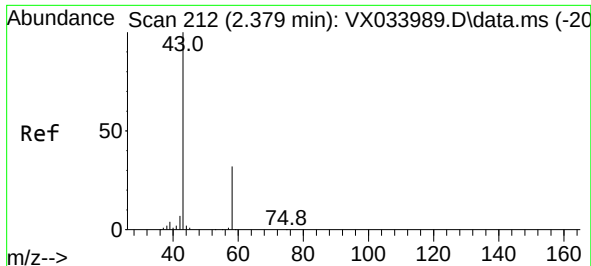
Ion Ratio Lower Upper

96 100

61 154.9 107.6 199.8

63 114.7 69.6 129.2





#13

Acetone

Concen: 183.181 ug/L

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

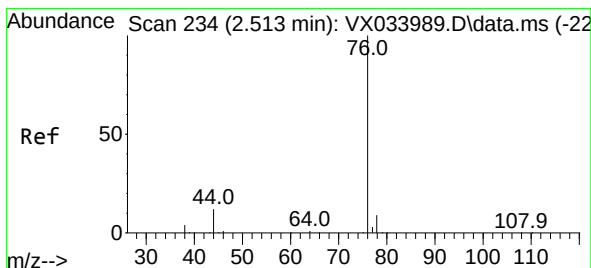
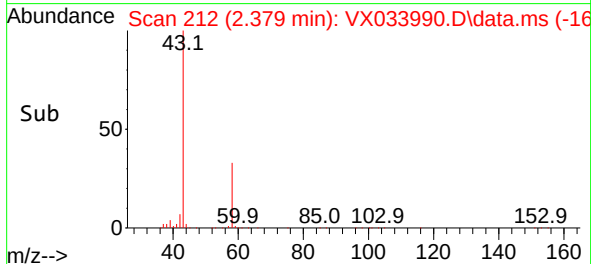
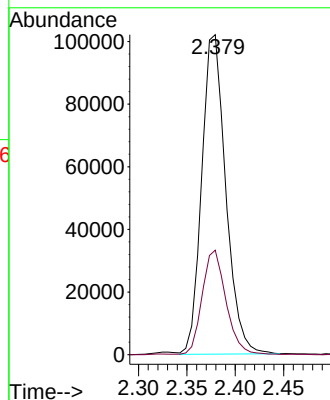
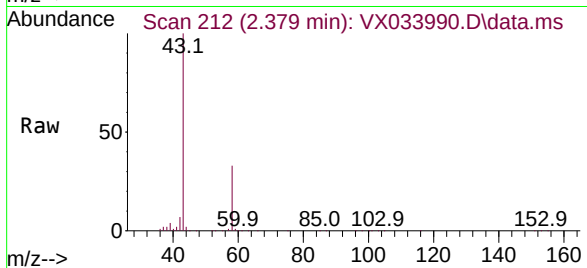
VSTD100616

Tgt Ion: 43 Resp: 176712

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.8



#14

Carbon disulfide

Concen: 100.452 ug/L

RT: 2.513 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033990.D

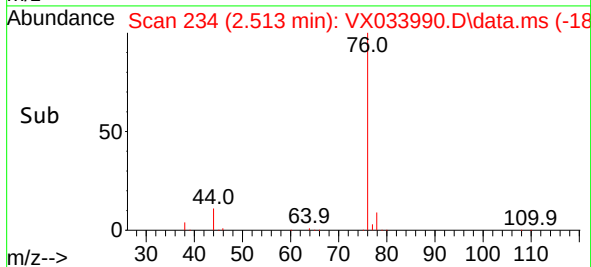
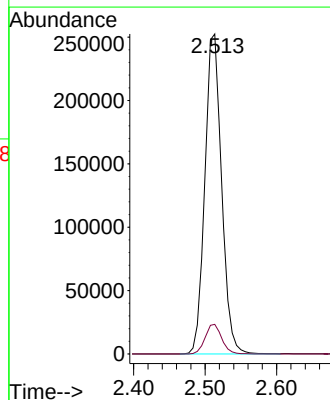
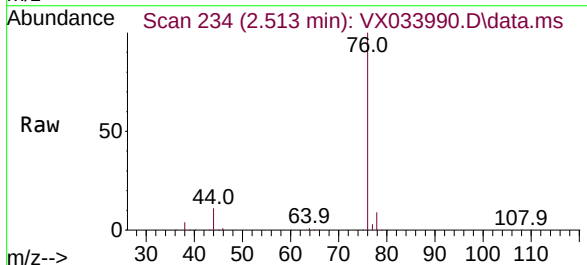
Acq: 02 Feb 2023 14:09

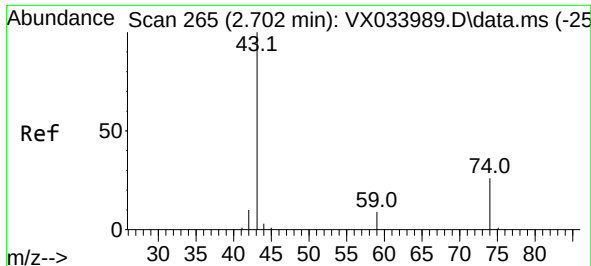
Tgt Ion: 76 Resp: 411076

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

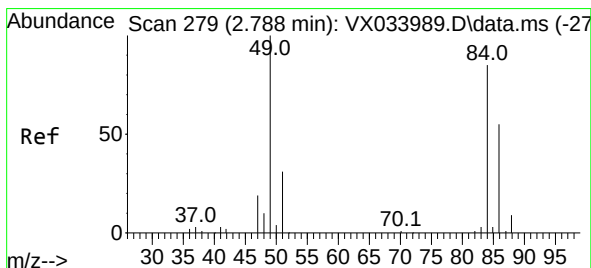
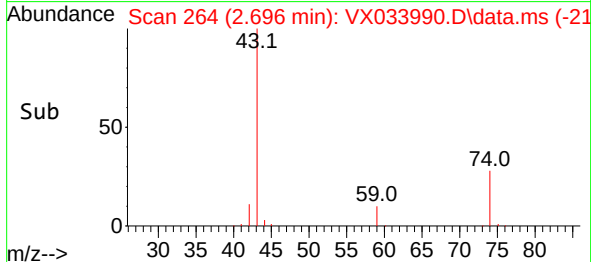
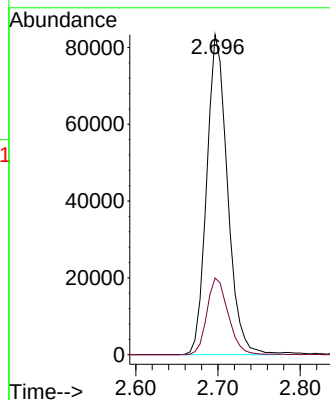
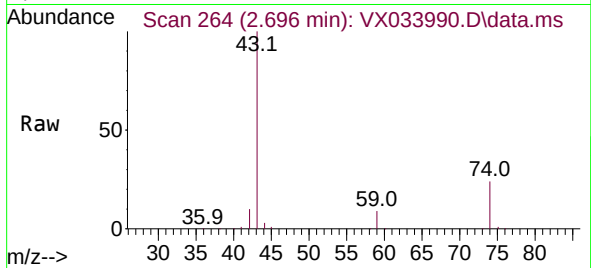




#15
Methyl Acetate
Concen: 95.353 ug/L
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

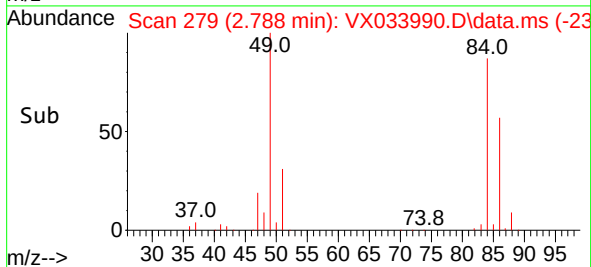
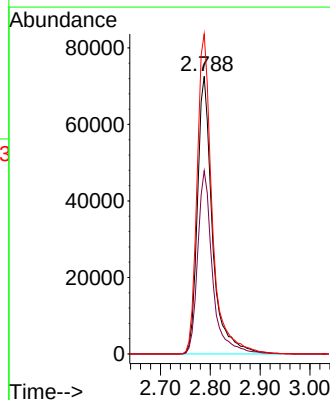
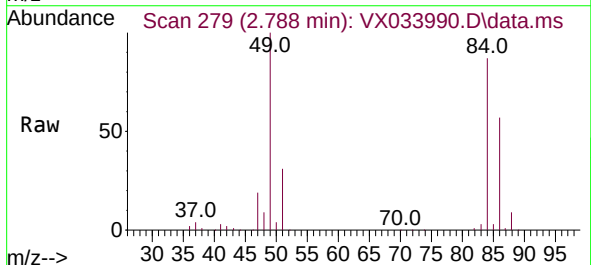
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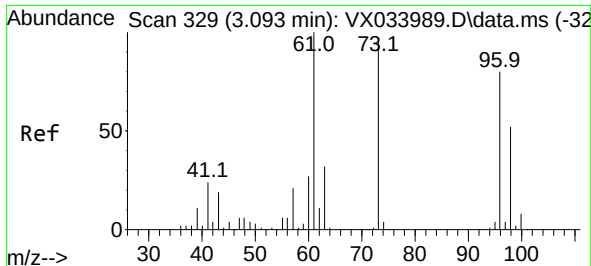
Tgt Ion: 43 Resp: 146546
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5



#16
Methylene chloride
Concen: 94.580 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 84 Resp: 151432
Ion Ratio Lower Upper
84 100
86 66.0 45.2 84.0
49 115.2 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 96.897 ug/L

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

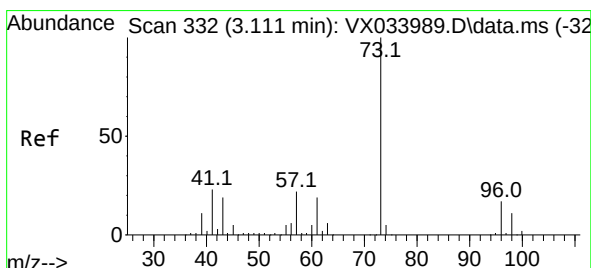
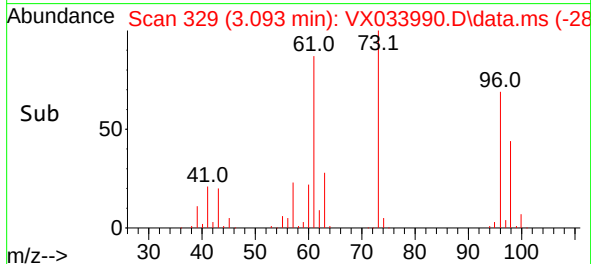
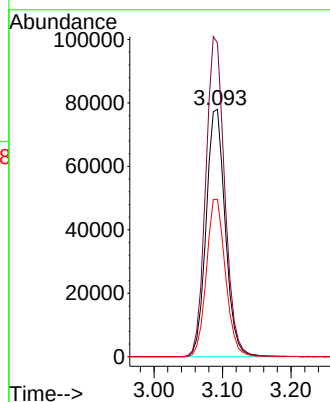
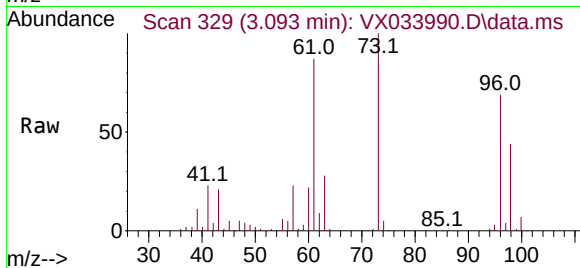
Tgt Ion: 96 Resp: 151234

Ion Ratio Lower Upper

96 100

61 126.9 87.7 162.9

98 63.6 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 97.945 ug/L

RT: 3.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

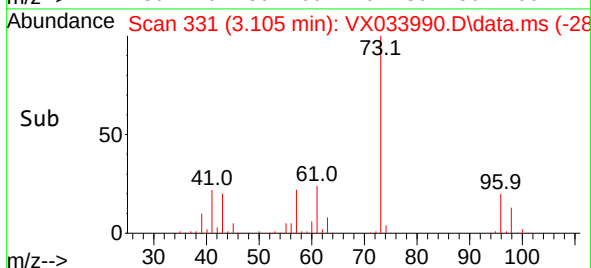
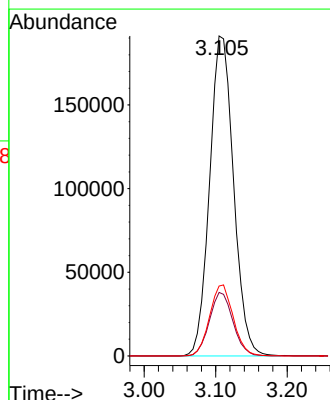
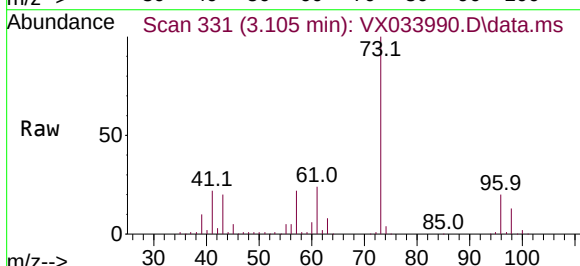
Tgt Ion: 73 Resp: 445099

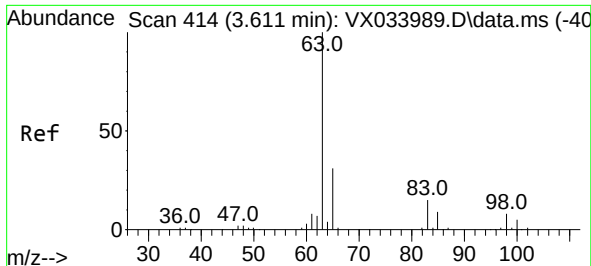
Ion Ratio Lower Upper

73 100

43 19.6 15.6 23.4

57 21.9 17.5 26.3





#19

1,1-Dichloroethane

Concen: 95.803 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

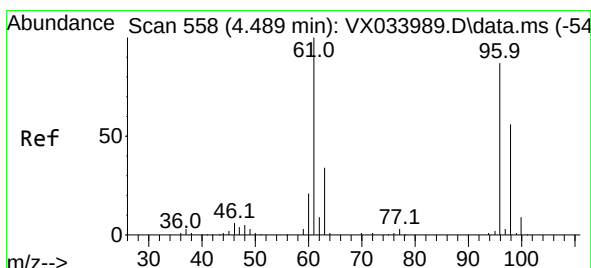
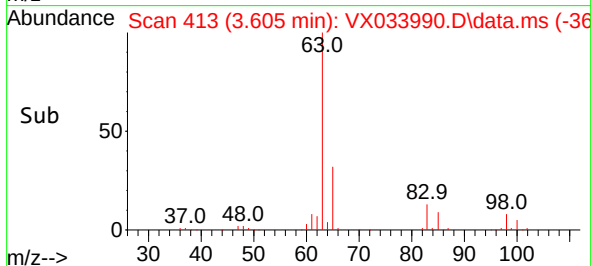
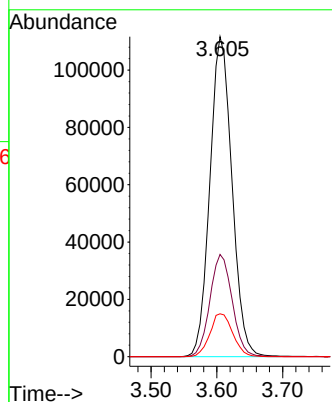
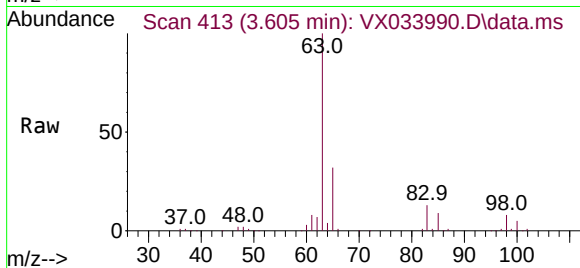
Tgt Ion: 63 Resp: 260963

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

83 13.4 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 96.066 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

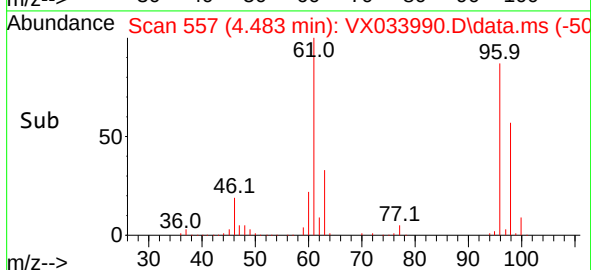
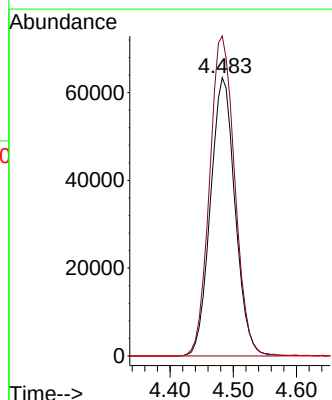
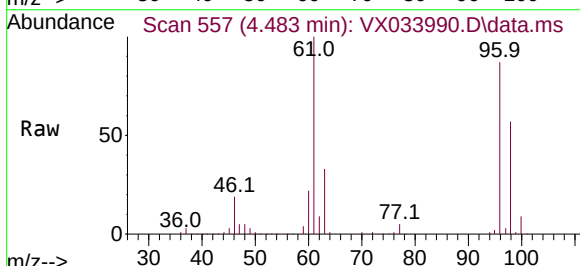
Tgt Ion: 96 Resp: 171350

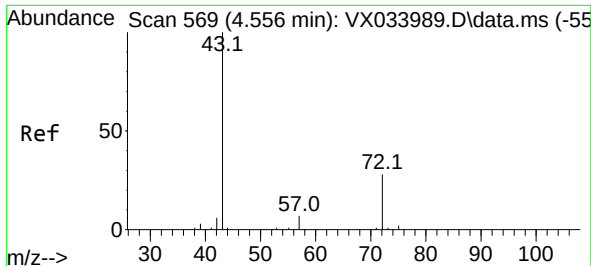
Ion Ratio Lower Upper

96 100

61 115.0 80.3 149.1

68 0.0 0.0 0.0

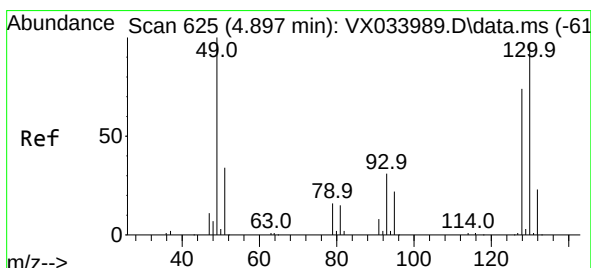
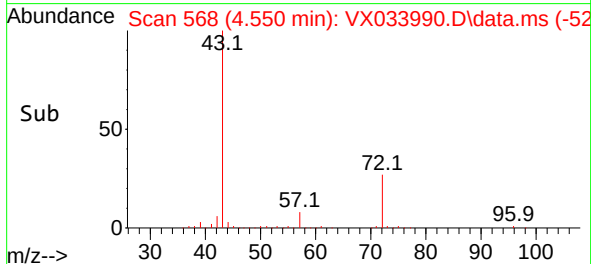
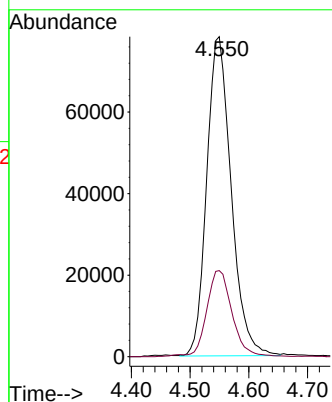
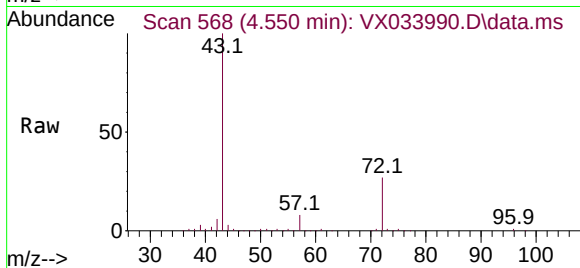




#22
2-Butanone
Concen: 191.110 ug/L
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

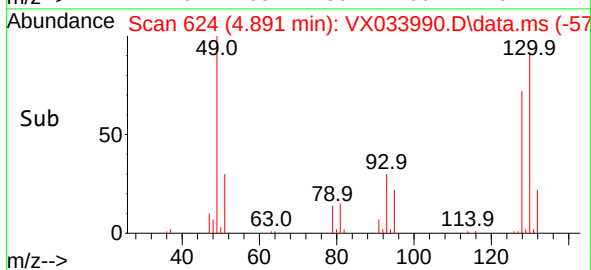
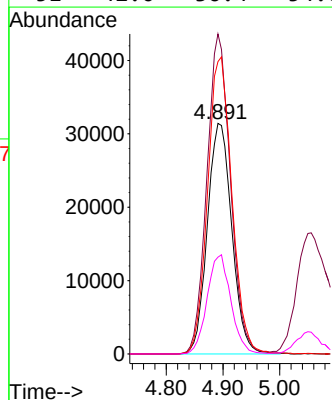
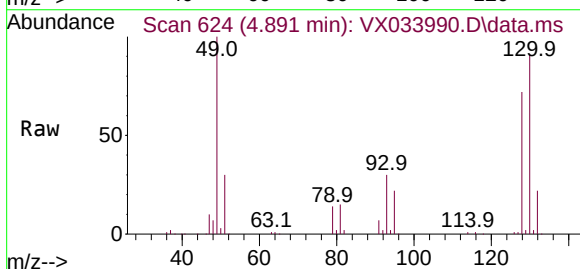
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

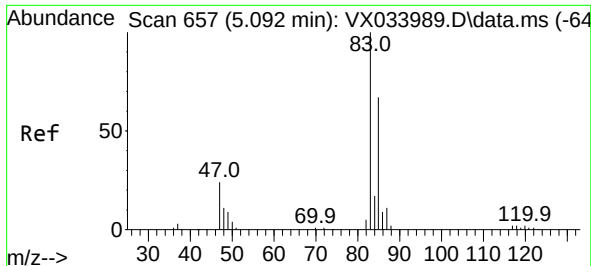
Tgt Ion: 43 Resp: 226427
Ion Ratio Lower Upper
43 100
72 27.5 13.2 39.6



#23
Bromochloromethane
Concen: 96.216 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 128 Resp: 94211
Ion Ratio Lower Upper
128 100
49 138.8 94.7 175.9
130 126.8 91.3 169.6
51 42.0 36.4 54.6

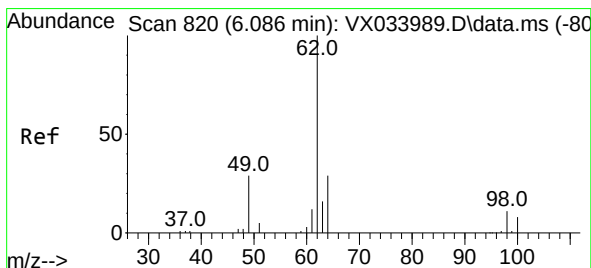
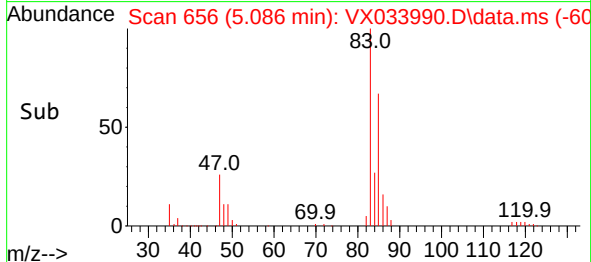
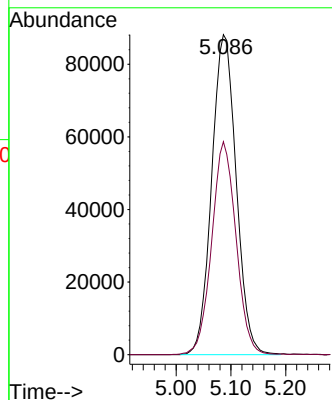
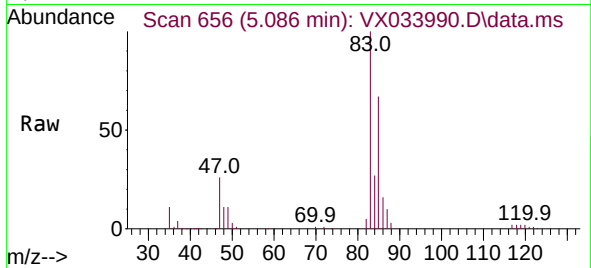




#25
Chloroform
Concen: 97.281 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

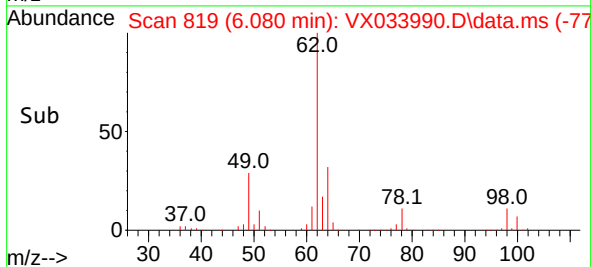
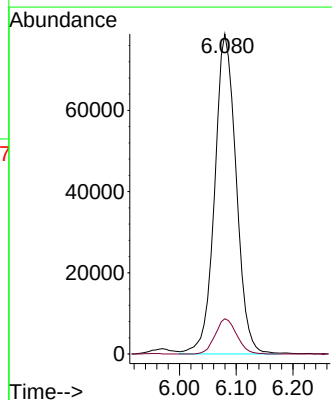
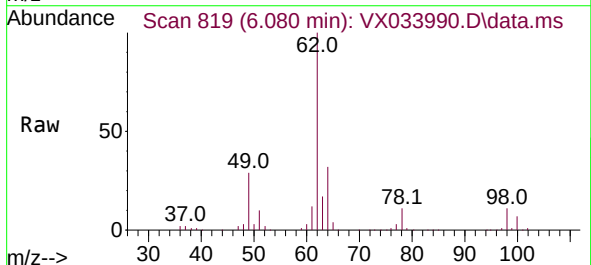
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

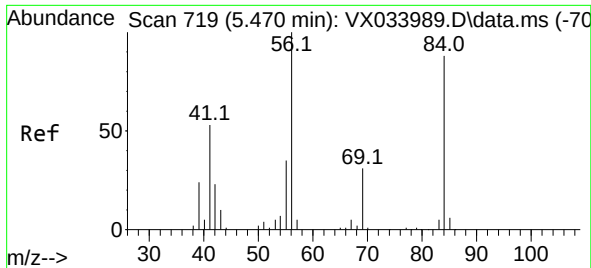
Tgt Ion: 83 Resp: 273641
Ion Ratio Lower Upper
83 100
85 66.5 47.0 87.4



#27
1,2-Dichloroethane
Concen: 96.150 ug/L
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 62 Resp: 207580
Ion Ratio Lower Upper
62 100
98 11.0 9.1 13.7

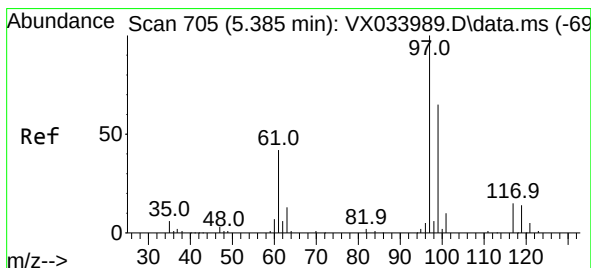
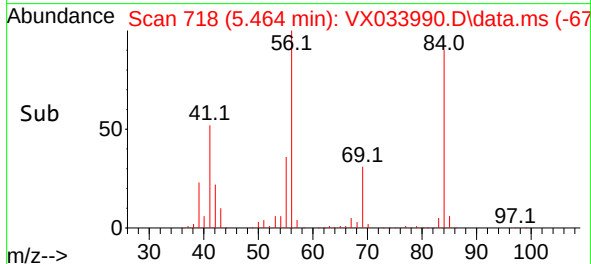
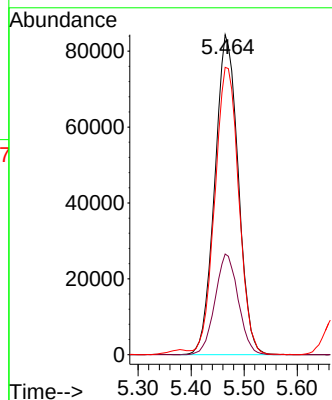
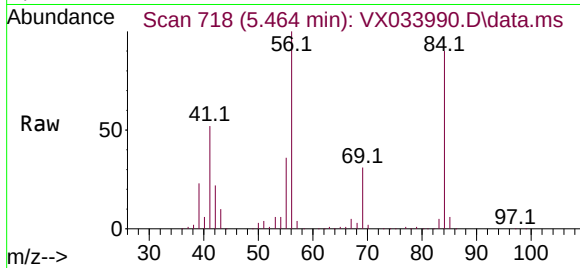




#29
Cyclohexane
Concen: 100.414 ug/L
RT: 5.464 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

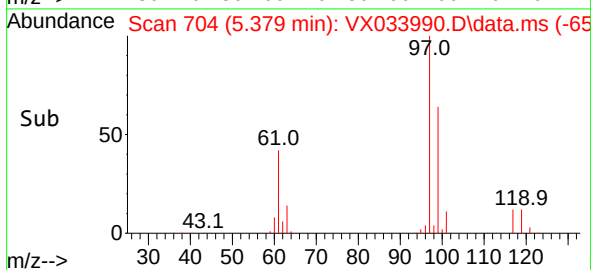
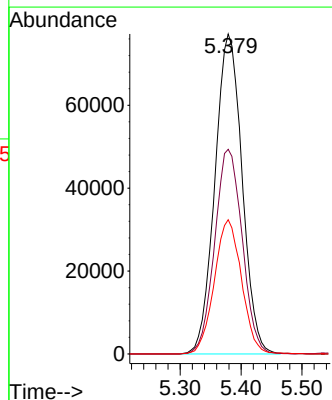
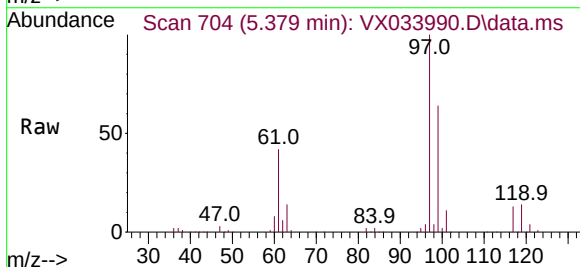
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

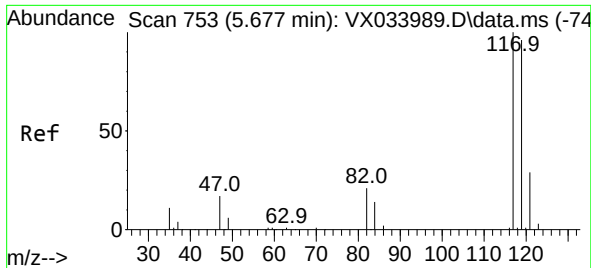
Tgt Ion: 56 Resp: 258649
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 91.8 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 100.619 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 97 Resp: 239509
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 41.9 34.7 52.1

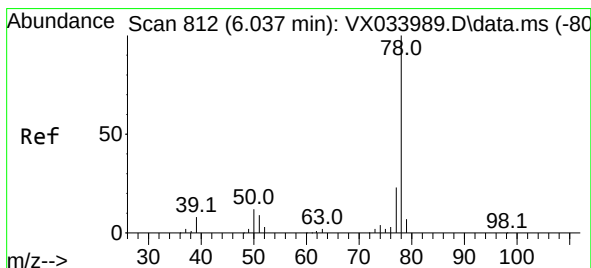
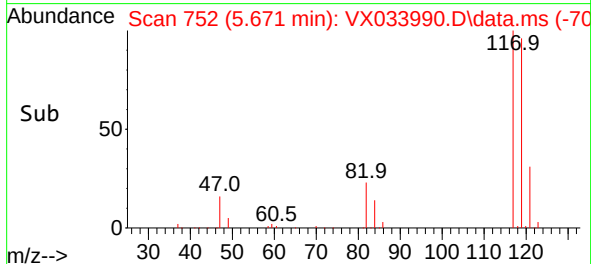
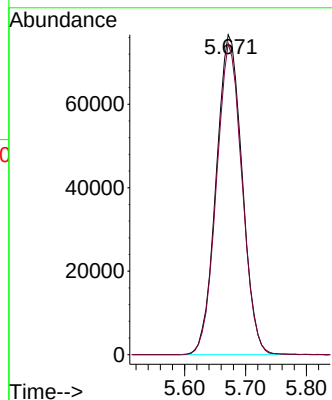
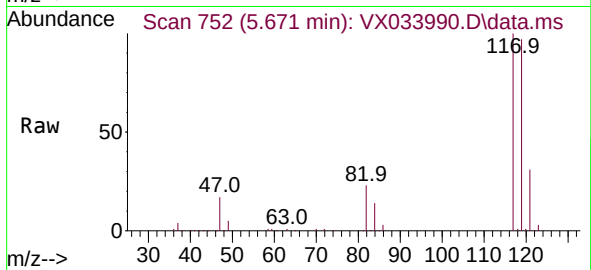




#31
Carbon tetrachloride
Concen: 102.406 ug/L
RT: 5.671 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

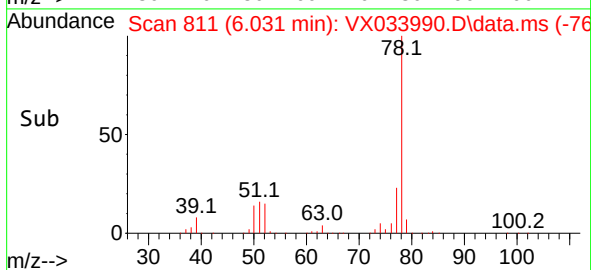
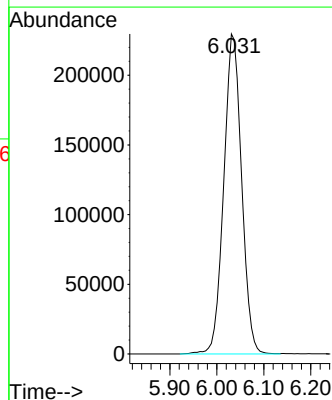
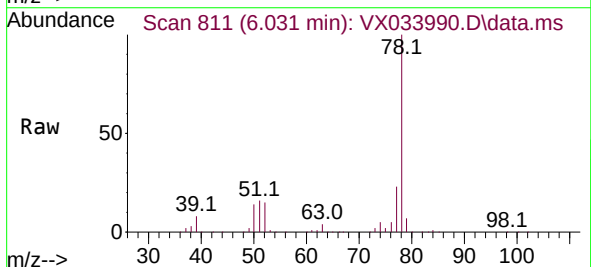
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

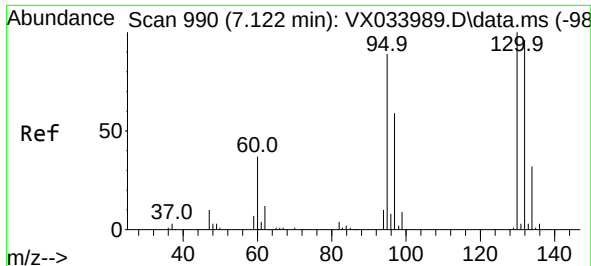
Tgt Ion:117 Resp: 226788
Ion Ratio Lower Upper
117 100
119 96.0 77.1 115.7



#33
Benzene
Concen: 96.954 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 78 Resp: 607169

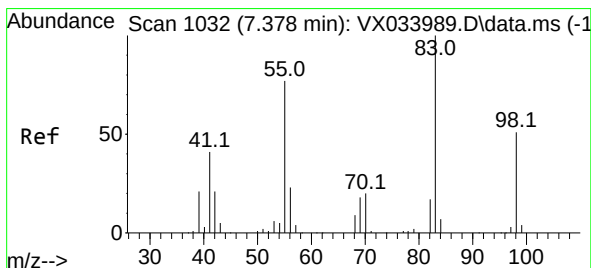
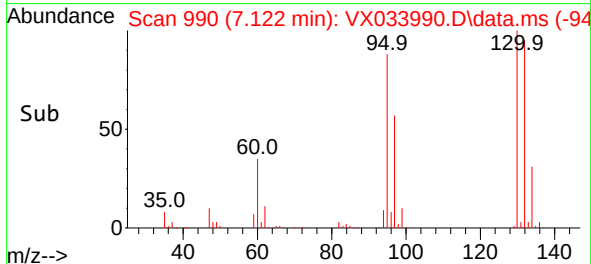
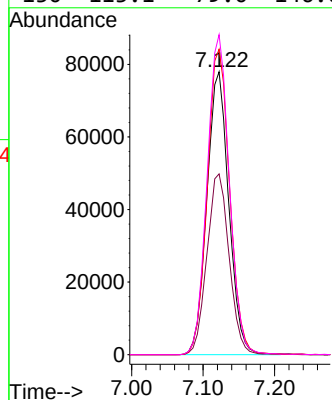
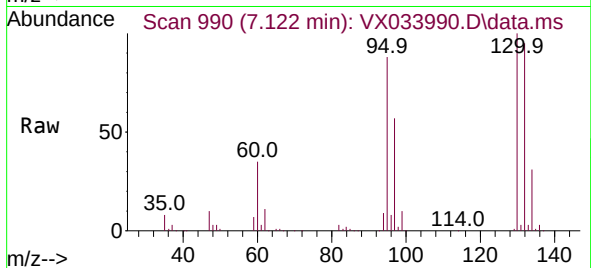




#34
Trichloroethene
Concen: 98.036 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

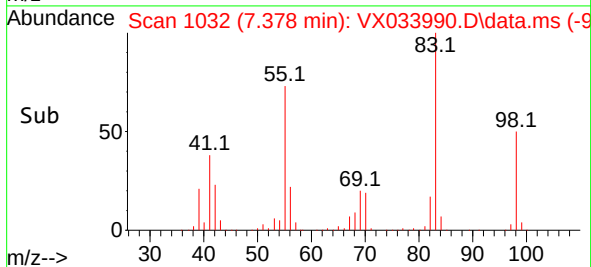
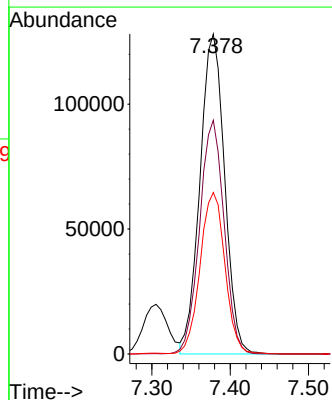
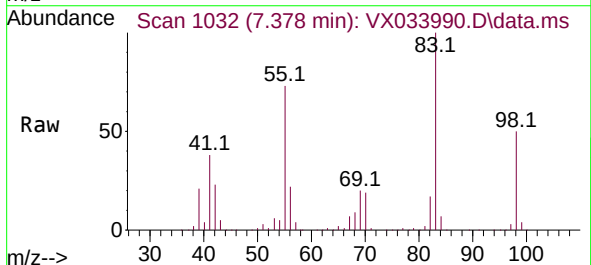
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

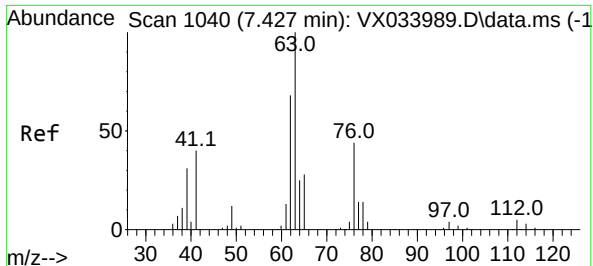
Tgt Ion: 95 Resp: 166390
Ion Ratio Lower Upper
95 100
97 63.9 46.8 87.0
132 108.0 76.2 141.4
130 113.1 79.0 146.6



#35
Methylcyclohexane
Concen: 103.537 ug/L
RT: 7.378 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 83 Resp: 280206
Ion Ratio Lower Upper
83 100
55 72.6 59.0 88.4
98 50.9 40.6 60.8





#37

1,2-Dichloropropane

Concen: 97.340 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

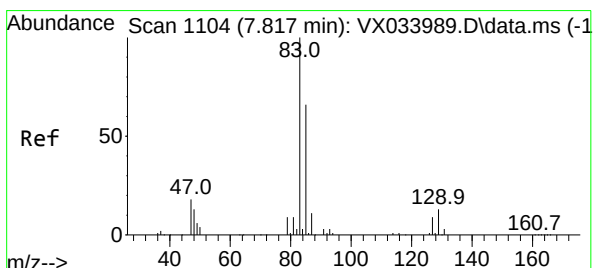
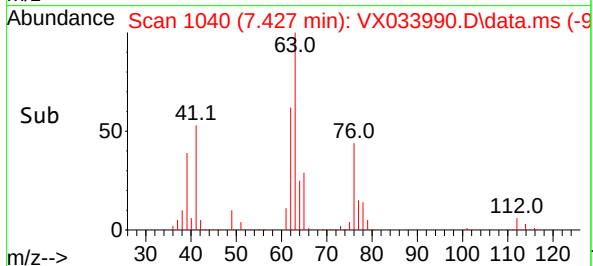
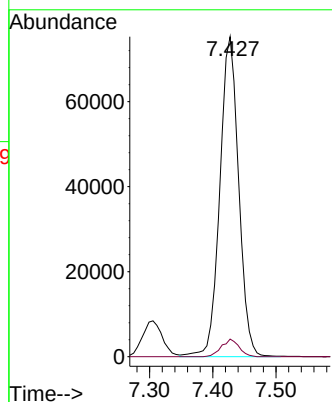
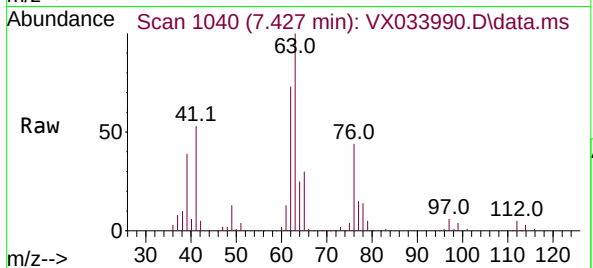
VSTD100616

Tgt Ion: 63 Resp: 155261

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 99.546 ug/L

RT: 7.817 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

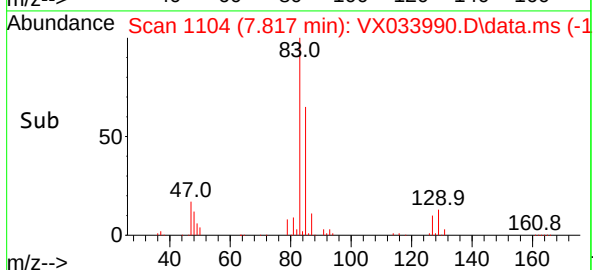
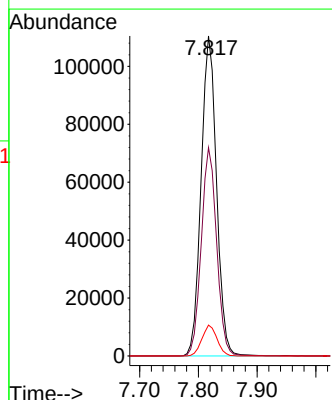
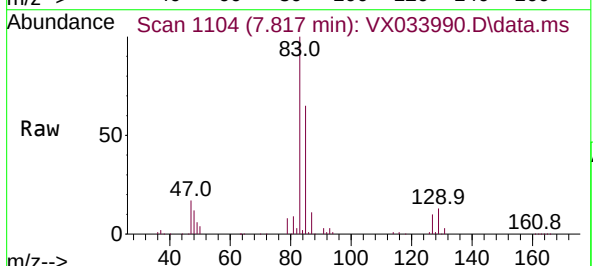
Tgt Ion: 83 Resp: 201894

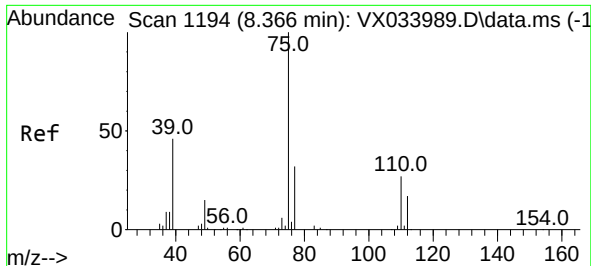
Ion Ratio Lower Upper

83 100

85 65.1 46.3 85.9

127 9.6 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 103.581 ug/L

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

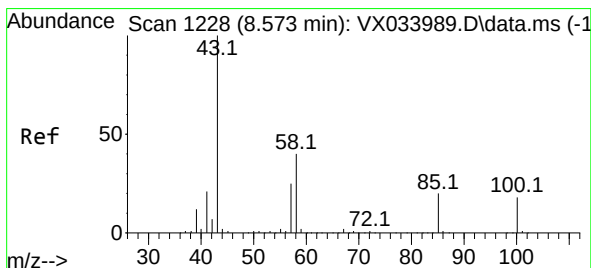
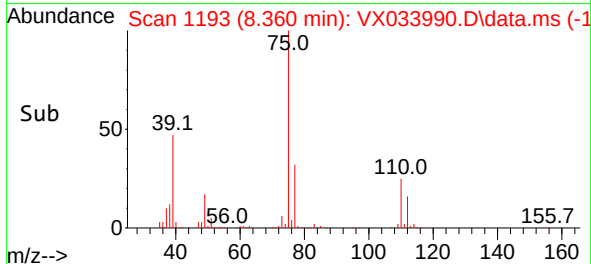
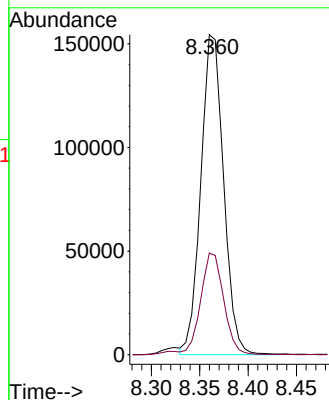
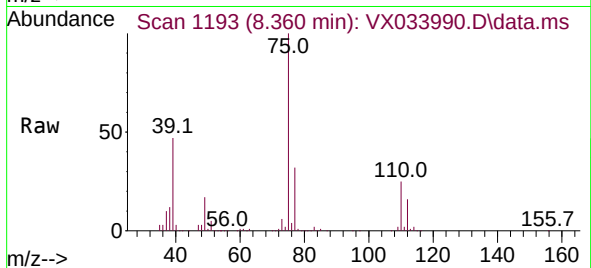
VSTD100616

Tgt Ion: 75 Resp: 253586

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 195.956 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

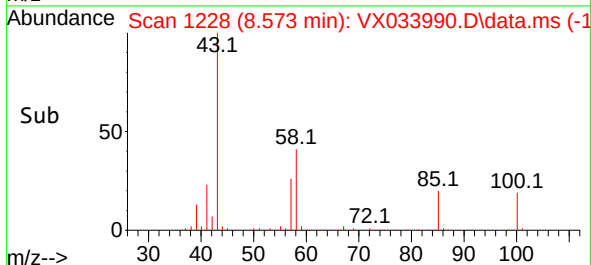
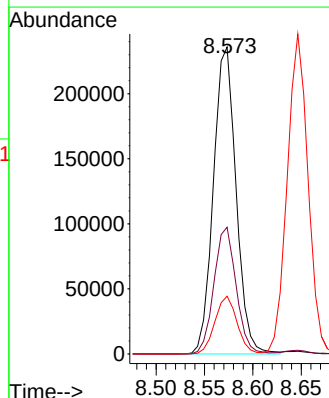
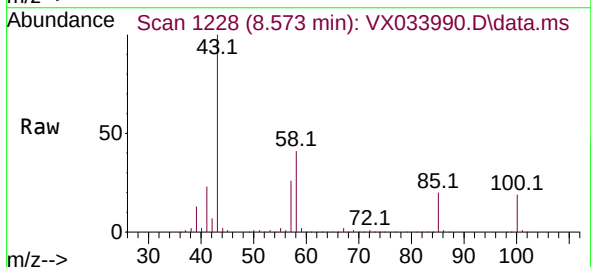
Tgt Ion: 43 Resp: 384636

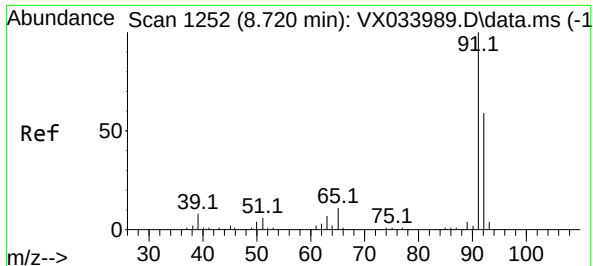
Ion Ratio Lower Upper

43 100

58 40.5 31.9 47.9

100 18.4 14.4 21.6





#42

Toluene

Concen: 97.797 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

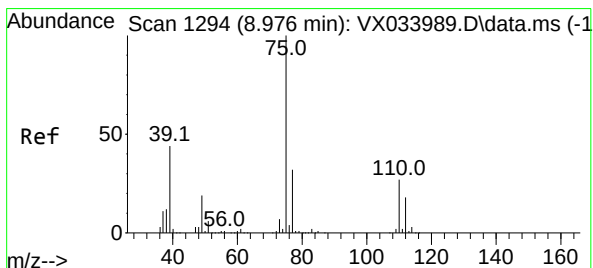
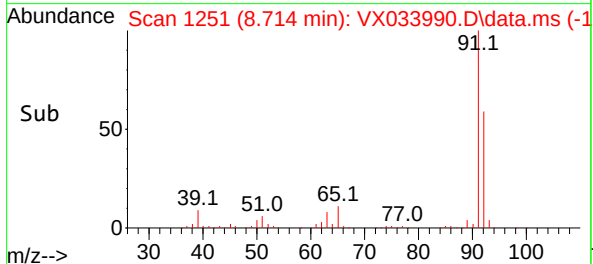
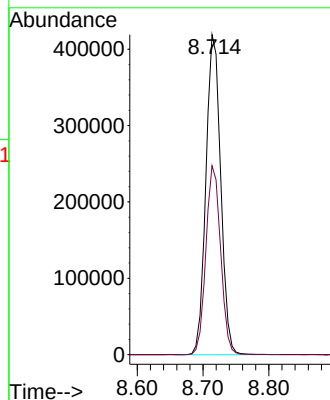
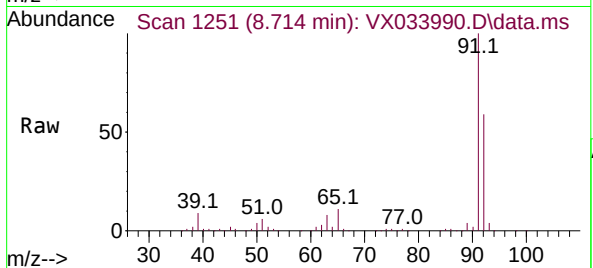
VSTD100616

Tgt Ion: 91 Resp: 655146

Ion Ratio Lower Upper

91 100

92 59.0 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 105.955 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX033990.D

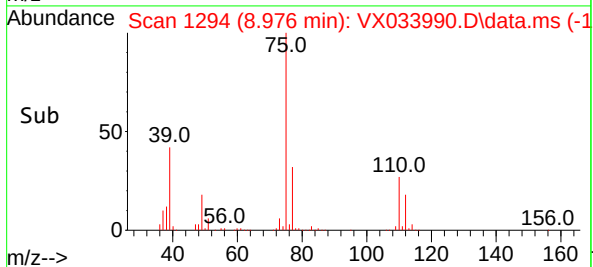
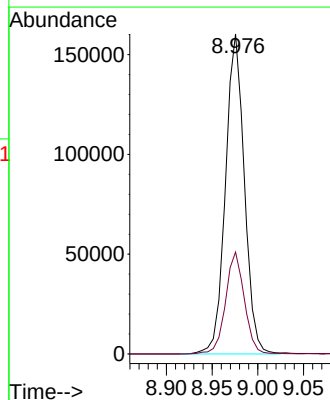
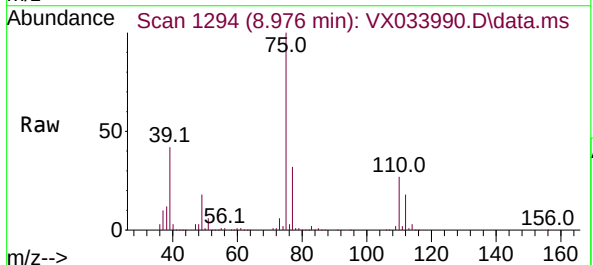
Acq: 02 Feb 2023 14:09

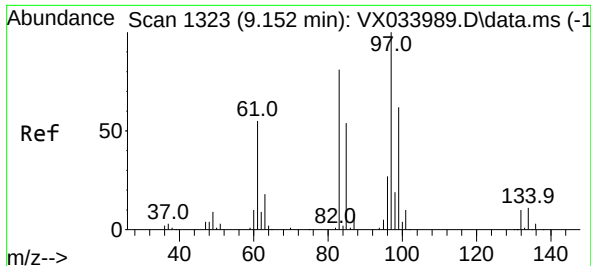
Tgt Ion: 75 Resp: 230826

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



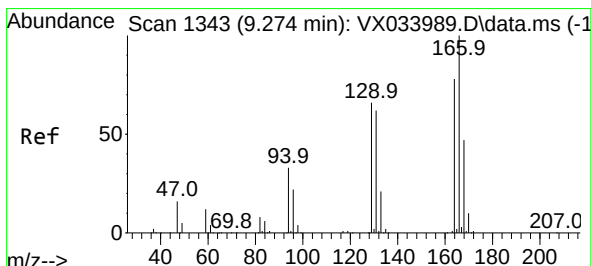
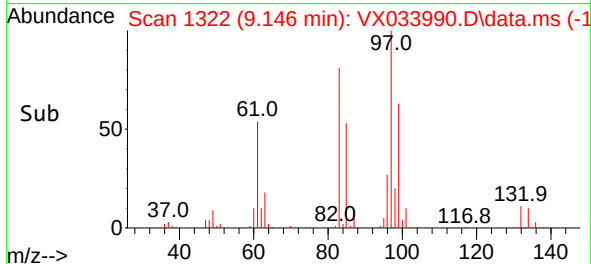
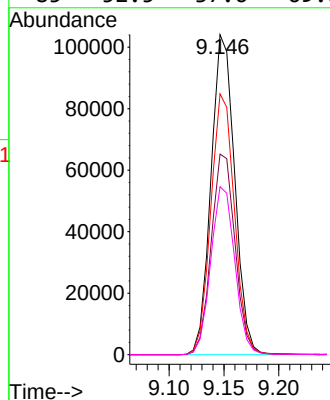
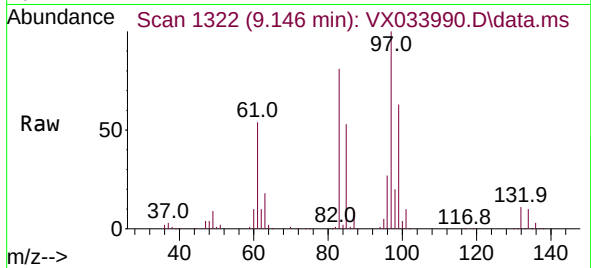


#45
1,1,2-Trichloroethane
Concen: 96.919 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

Tgt Ion: 97 Resp: 156486

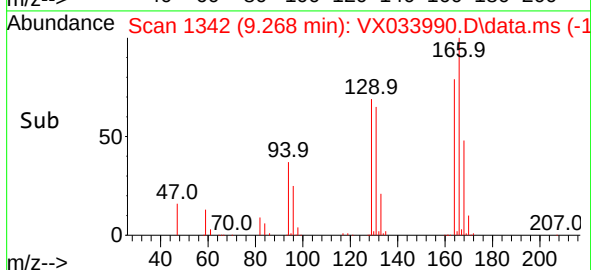
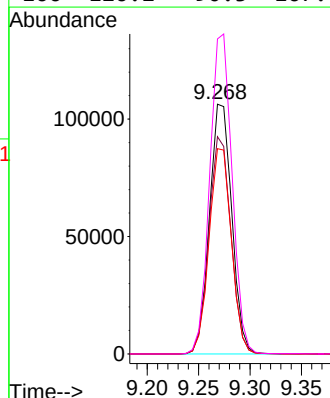
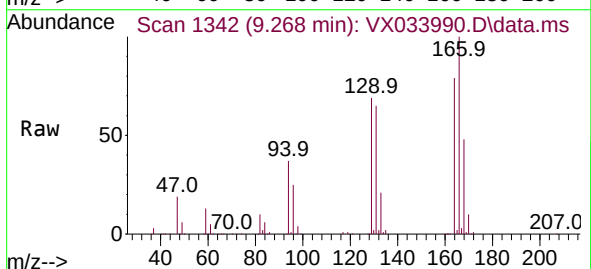
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.5	80.9
83	81.5	56.8	105.4
85	52.5	37.6	69.8

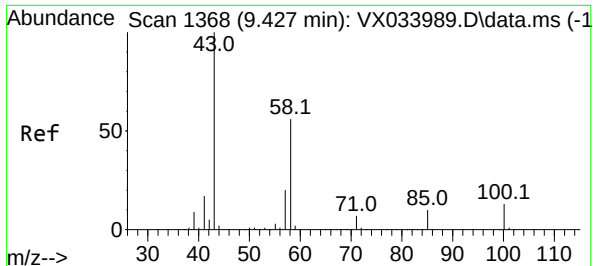


#46
Tetrachloroethene
Concen: 98.800 ug/L
RT: 9.268 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 164 Resp: 160997

Ion	Ratio	Lower	Upper
164	100		
129	87.0	59.3	110.1
131	82.2	56.1	104.3
166	126.2	90.3	167.7





#48

2-Hexanone

Concen: 197.119 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

Tgt Ion: 43 Resp: 308345

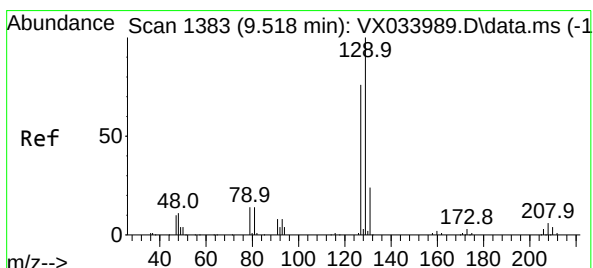
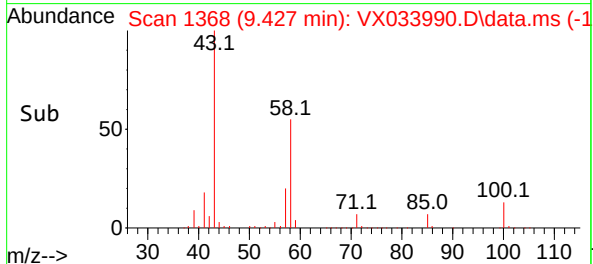
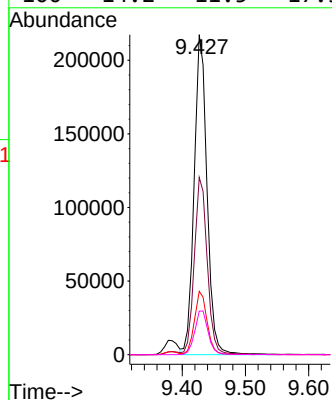
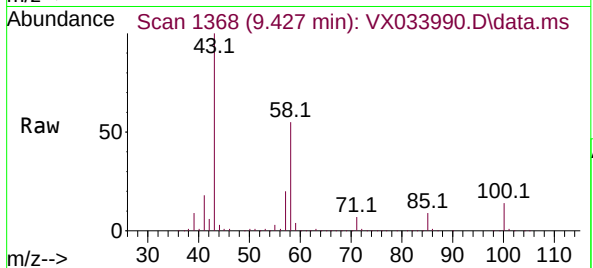
Ion Ratio Lower Upper

43 100

58 54.9 45.7 68.5

57 19.5 15.8 23.8

100 14.2 11.5 17.3



#49

Dibromochloromethane

Concen: 100.975 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX033990.D

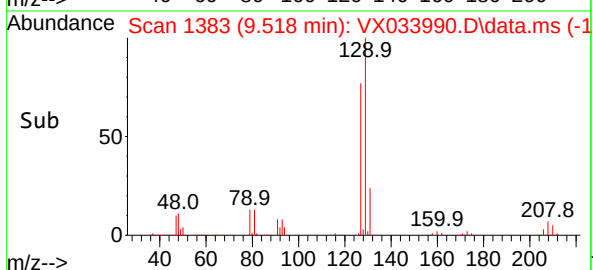
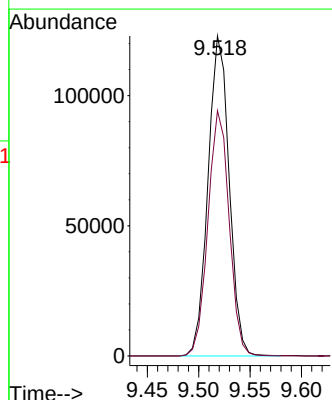
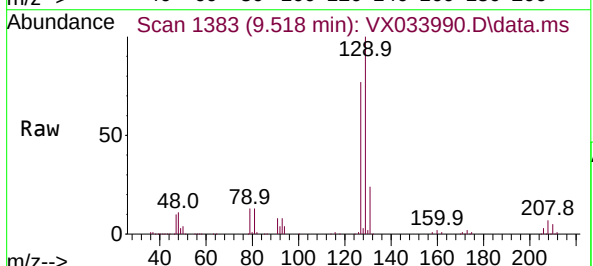
Acq: 02 Feb 2023 14:09

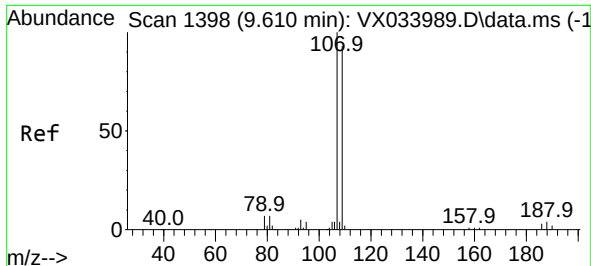
Tgt Ion: 129 Resp: 175909

Ion Ratio Lower Upper

129 100

127 76.7 53.3 98.9





#50

1,2-Dibromoethane

Concen: 97.523 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

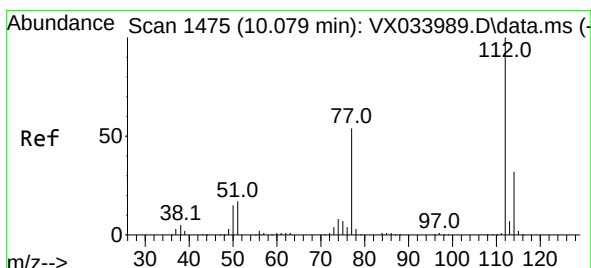
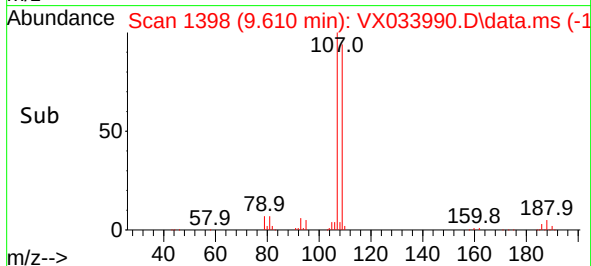
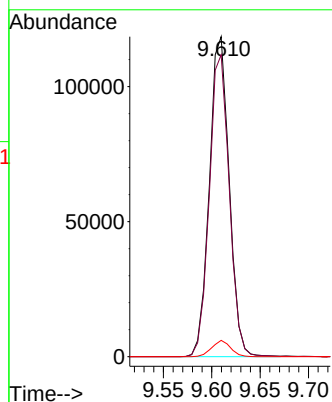
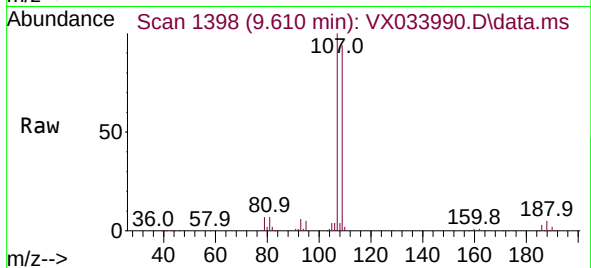
Tgt Ion:107 Resp: 169211

Ion Ratio Lower Upper

107 100

109 94.4 64.9 120.5

188 5.1 3.3 4.9#



#51

Chlorobenzene

Concen: 96.957 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

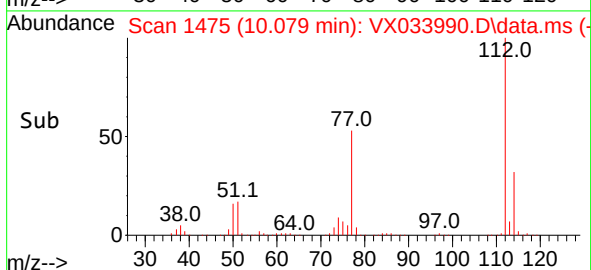
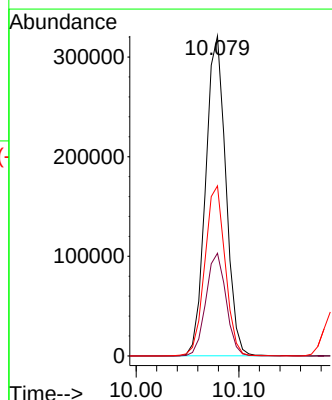
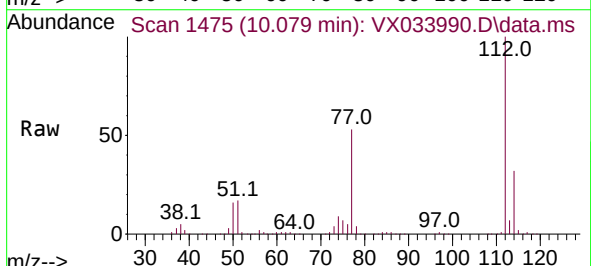
Tgt Ion:112 Resp: 438811

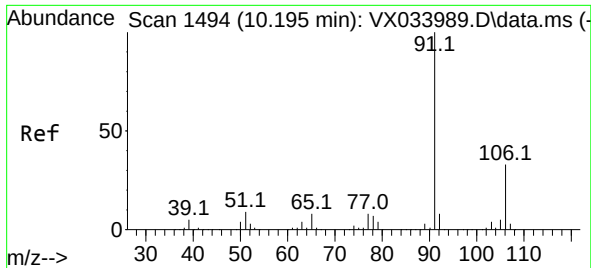
Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.3

77 53.2 43.4 65.0

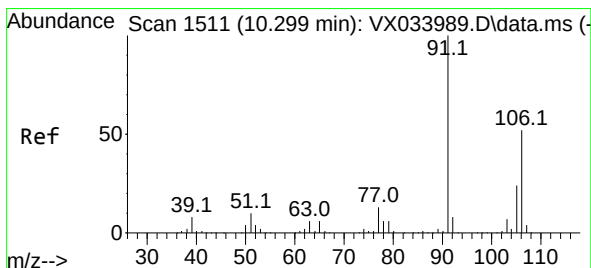
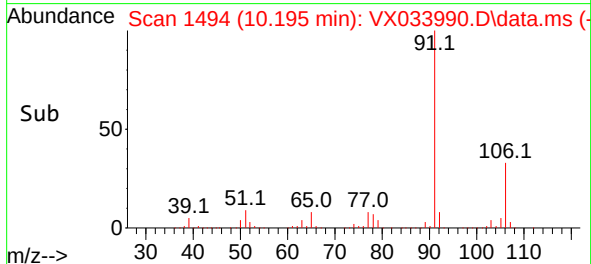
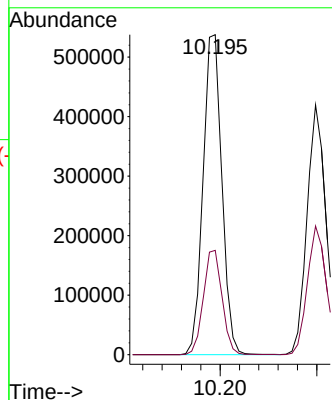
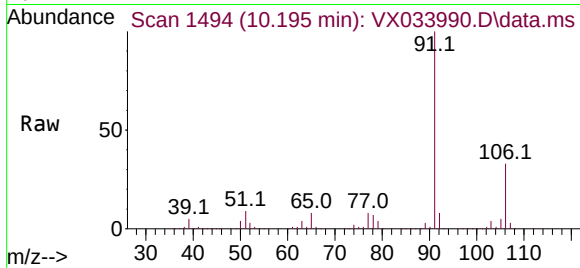




#52
Ethylbenzene
Concen: 98.825 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

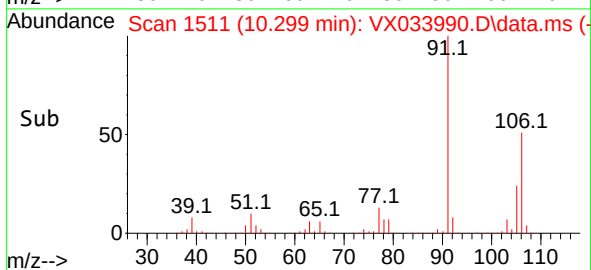
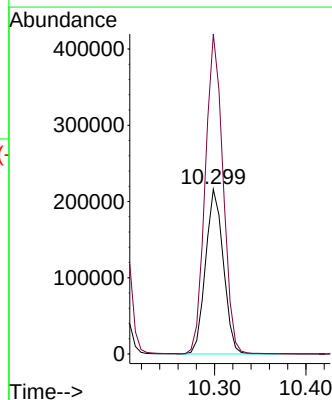
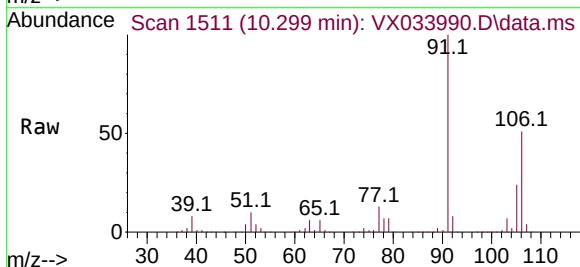
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

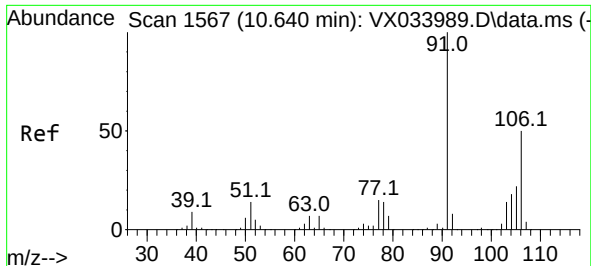
Tgt Ion: 91 Resp: 727557
Ion Ratio Lower Upper
91 100
106 32.6 23.2 43.0



#53
m,p-Xylene
Concen: 98.585 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion:106 Resp: 291337
Ion Ratio Lower Upper
106 100
91 194.3 135.2 251.0

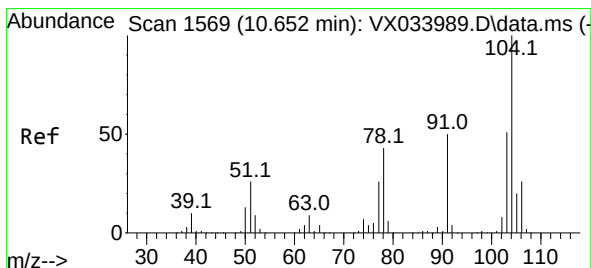
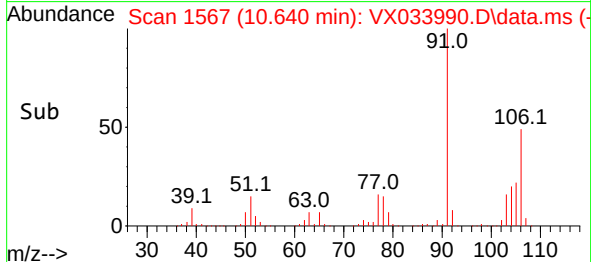
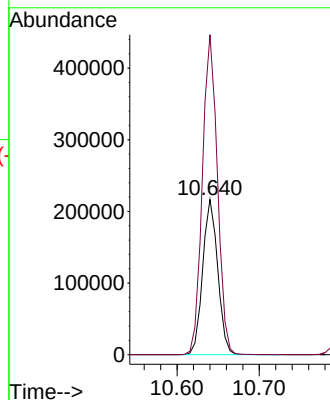
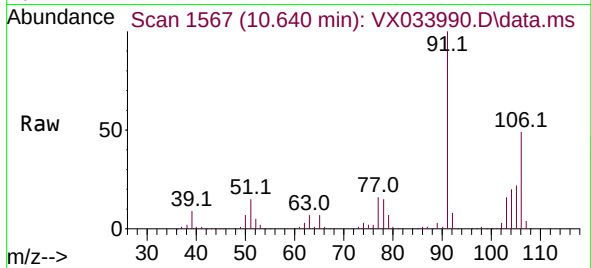




#54
o-Xylene
Concen: 96.331 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

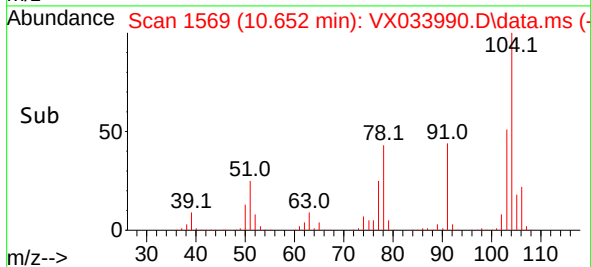
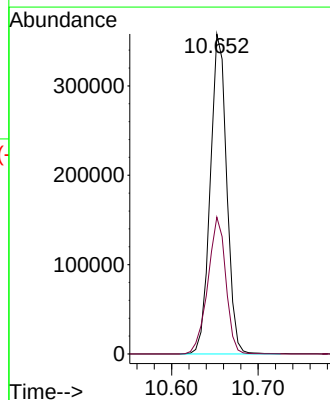
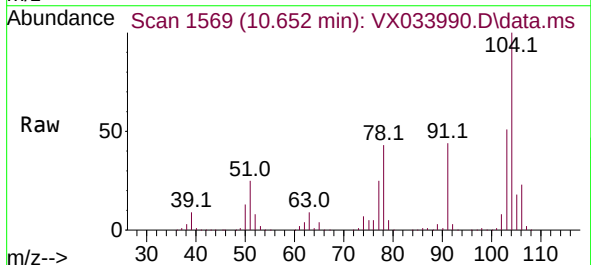
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

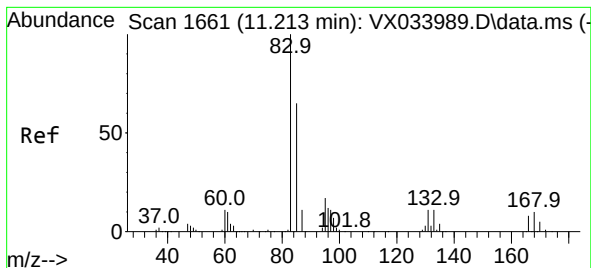
Tgt Ion:106 Resp: 275026
Ion Ratio Lower Upper
106 100
91 206.1 140.2 260.4



#55
Styrene
Concen: 98.622 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion:104 Resp: 472366
Ion Ratio Lower Upper
104 100
78 42.8 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 94.842 ug/L

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

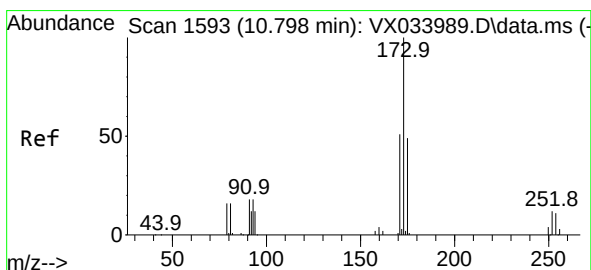
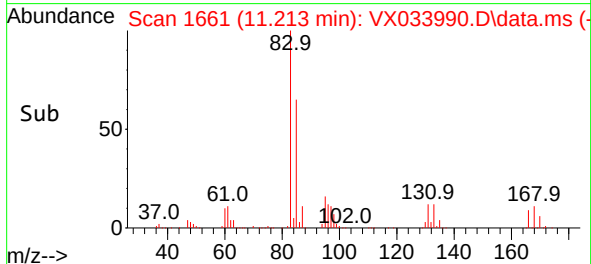
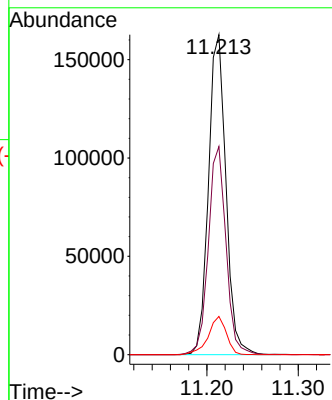
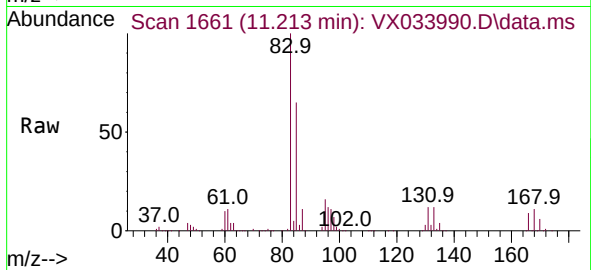
Tgt Ion: 83 Resp: 215276

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0

131 11.9 9.1 13.7



#59

Bromoform

Concen: 102.185 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

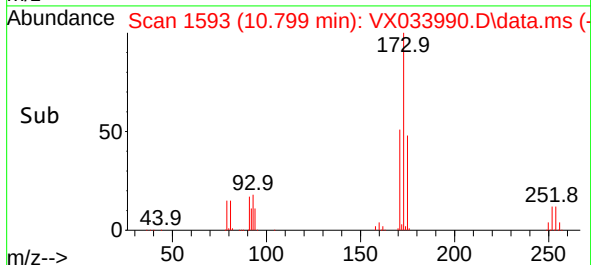
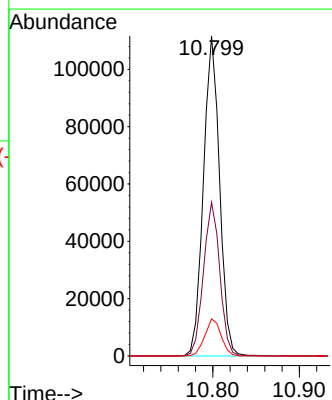
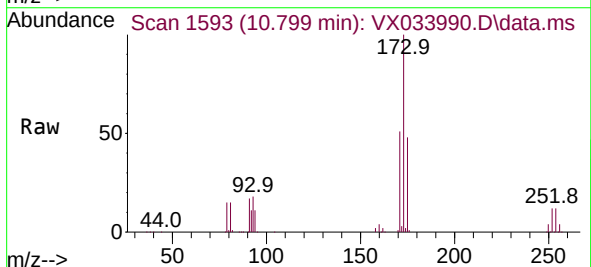
Tgt Ion:173 Resp: 144385

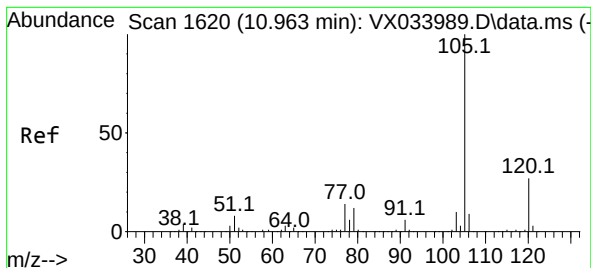
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 11.7 9.1 13.7





#60

Isopropylbenzene

Concen: 98.484 ug/L

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100616

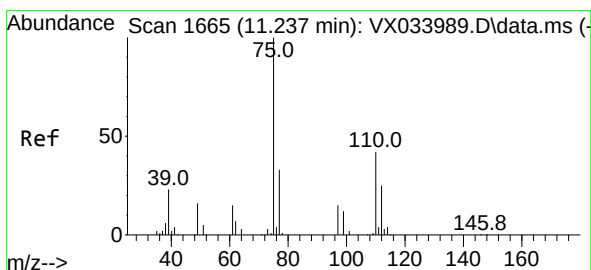
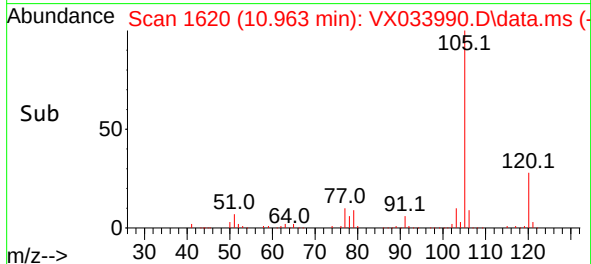
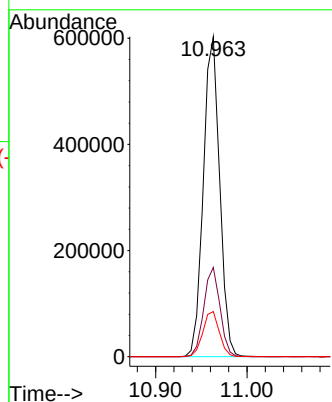
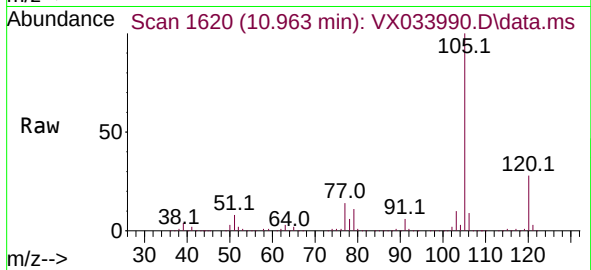
Tgt Ion:105 Resp: 747012

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.6

77 14.3 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 92.542 ug/L

RT: 11.237 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX033990.D

Acq: 02 Feb 2023 14:09

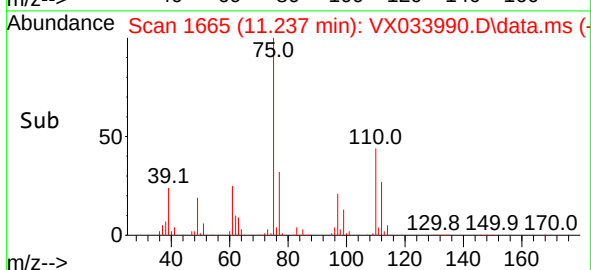
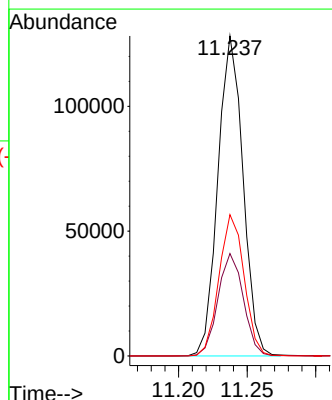
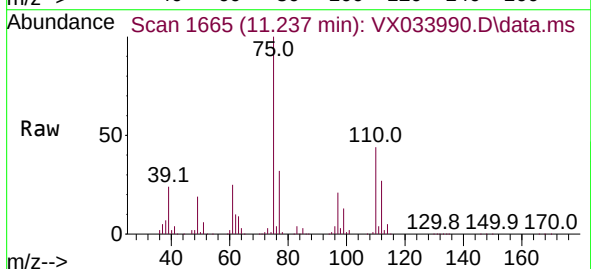
Tgt Ion: 75 Resp: 163113

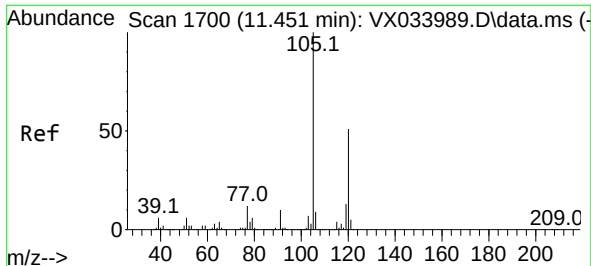
Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

110 44.2 34.2 51.4

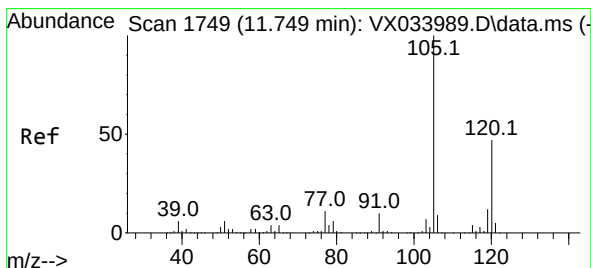
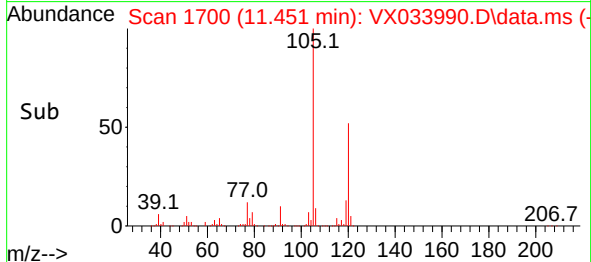
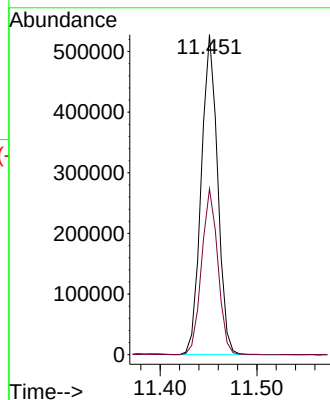
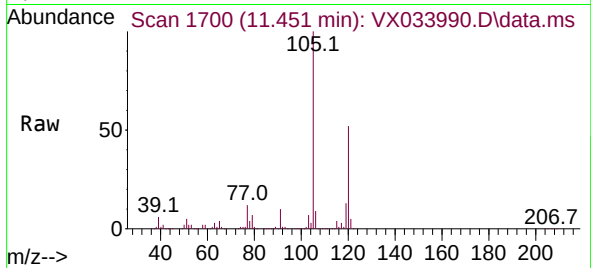




#62
1,3,5-Trimethylbenzene
Concen: 100.177 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

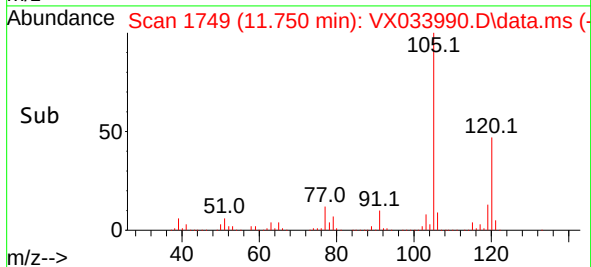
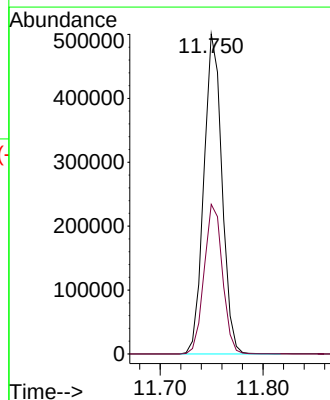
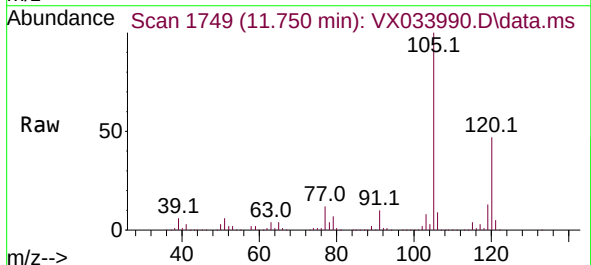
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

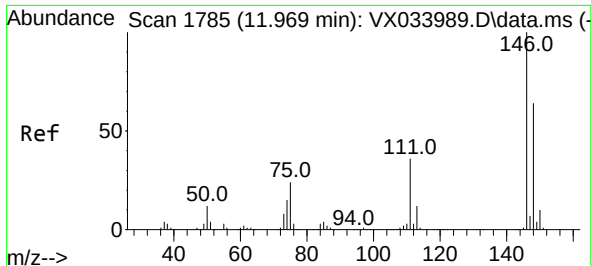
Tgt Ion:105 Resp: 621956
Ion Ratio Lower Upper
105 100
120 51.6 41.3 61.9



#63
1,2,4-Trimethylbenzene
Concen: 100.165 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion:105 Resp: 612969
Ion Ratio Lower Upper
105 100
120 47.3 38.5 57.7

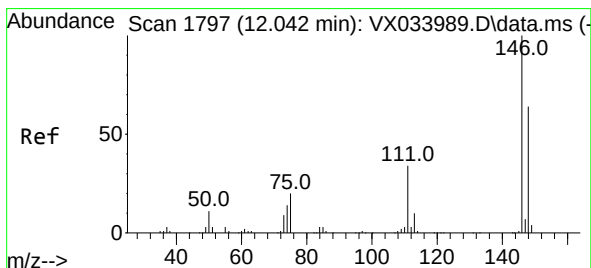
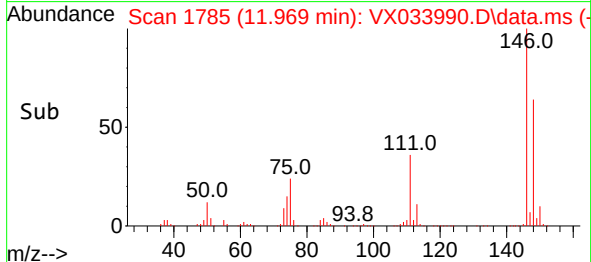
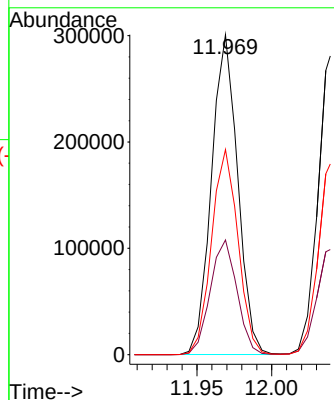
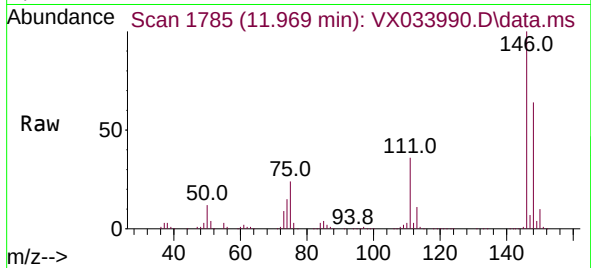




#64
 1,3-Dichlorobenzene
 Concen: 97.053 ug/L
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX033990.D
 Acq: 02 Feb 2023 14:09

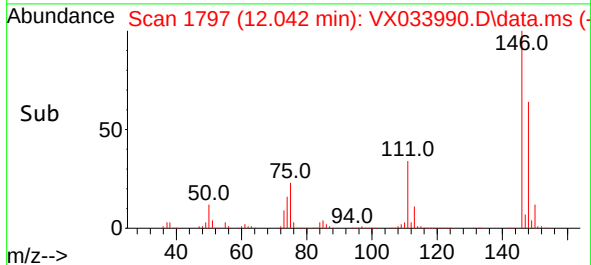
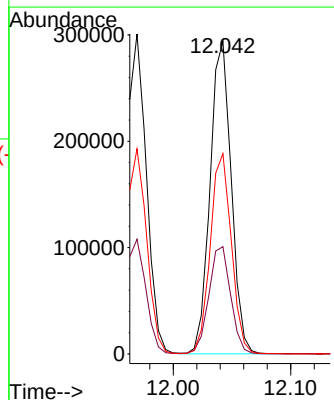
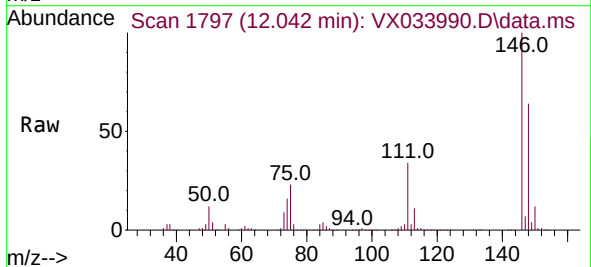
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100616

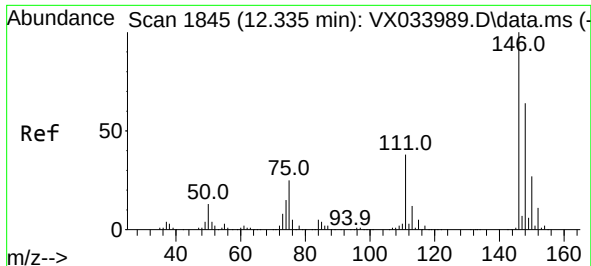
Tgt Ion:146 Resp: 366050
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.5 47.3
 148 64.1 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 96.339 ug/L
 RT: 12.042 min Scan# 1797
 Delta R.T. 0.000 min
 Lab File: VX033990.D
 Acq: 02 Feb 2023 14:09

Tgt Ion:146 Resp: 367743
 Ion Ratio Lower Upper
 146 100
 111 34.3 23.7 44.1
 148 64.1 45.0 83.6

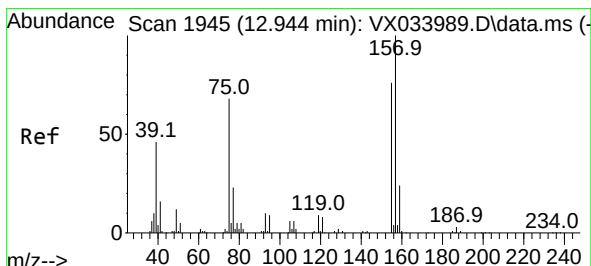
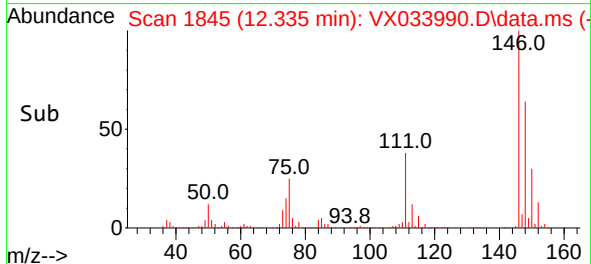
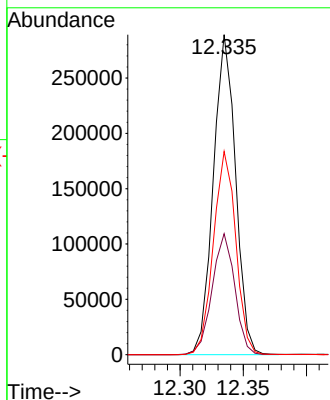
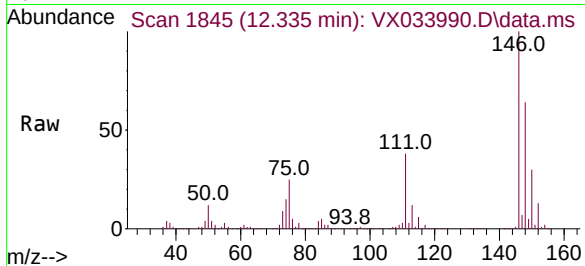




#67
1,2-Dichlorobenzene
Concen: 95.705 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

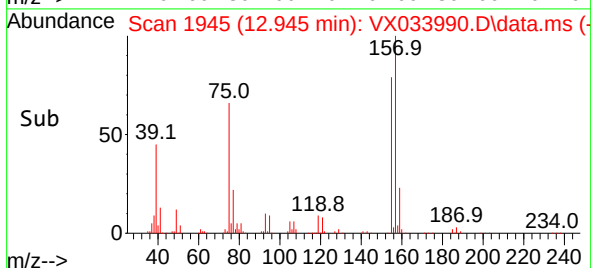
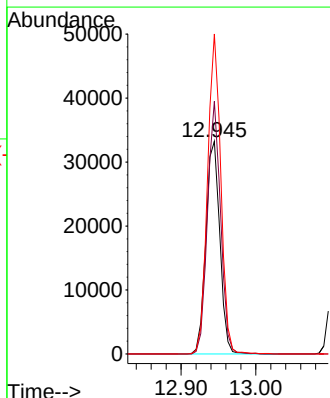
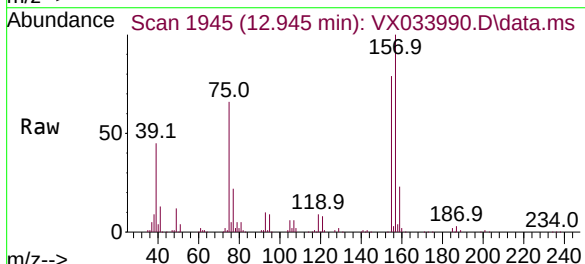
Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

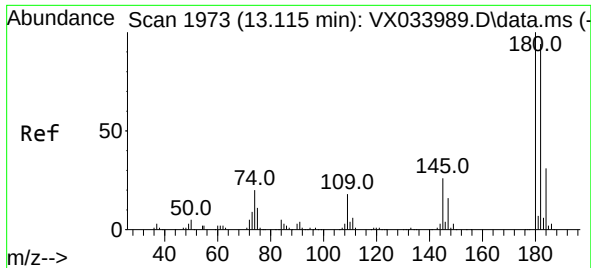
Tgt Ion:146 Resp: 352965
Ion Ratio Lower Upper
146 100
111 37.8 30.4 45.6
148 63.5 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 99.723 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion: 75 Resp: 43064
Ion Ratio Lower Upper
75 100
155 118.8 89.0 133.6
157 150.5 116.9 175.3

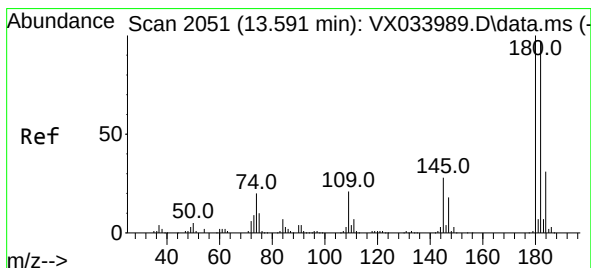
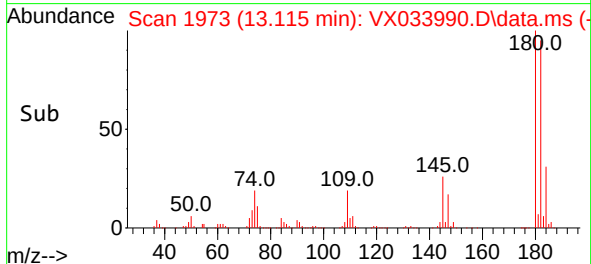
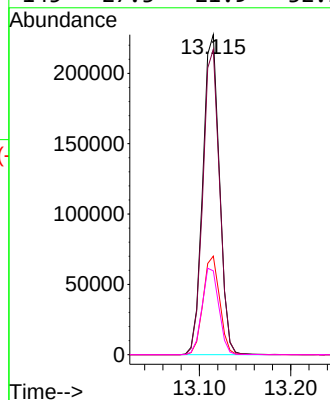
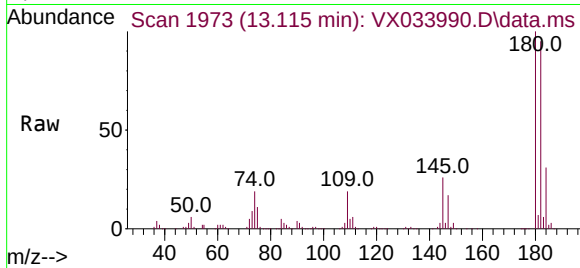




#69
 1,3,5-Trichlorobenzene
 Concen: 100.942 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. 0.000 min
 Lab File: VX033990.D
 Acq: 02 Feb 2023 14:09

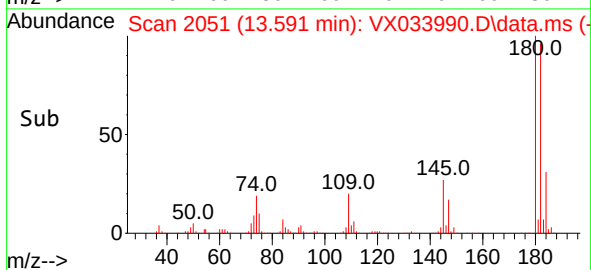
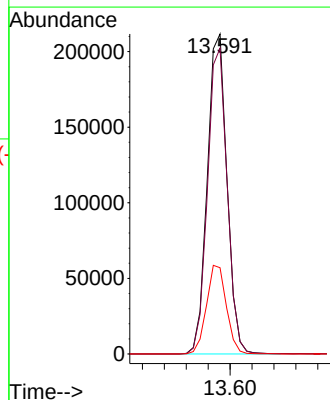
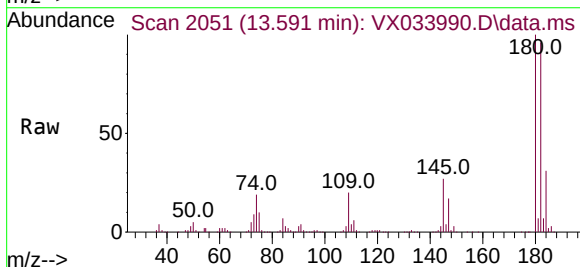
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100616

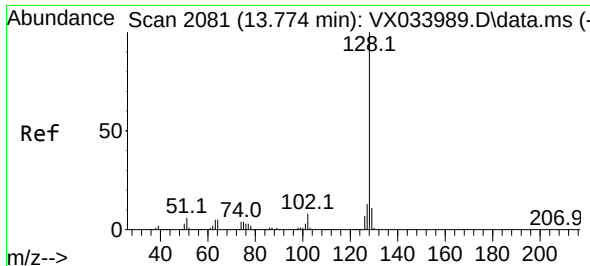
Tgt Ion:180 Resp: 287117
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.3 115.9
 184 30.8 24.5 36.7
 145 27.3 21.9 32.9



#70
 1,2,4-trichlorobenzene
 Concen: 102.262 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX033990.D
 Acq: 02 Feb 2023 14:09

Tgt Ion:180 Resp: 264052
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 145 28.0 22.3 33.5

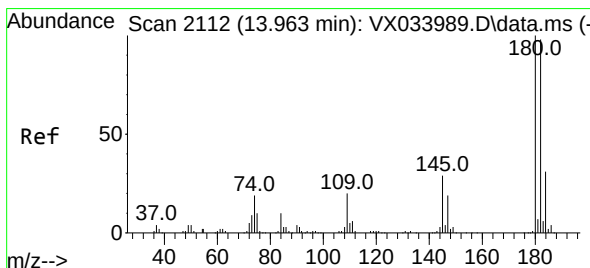
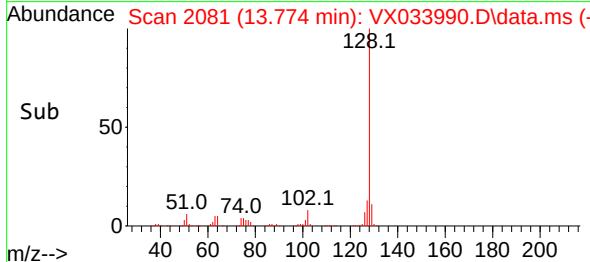
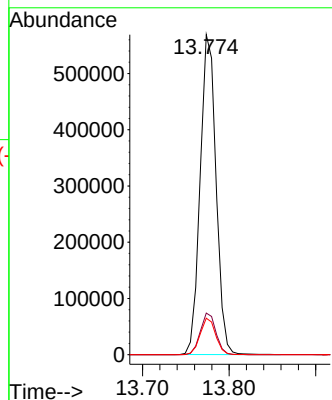
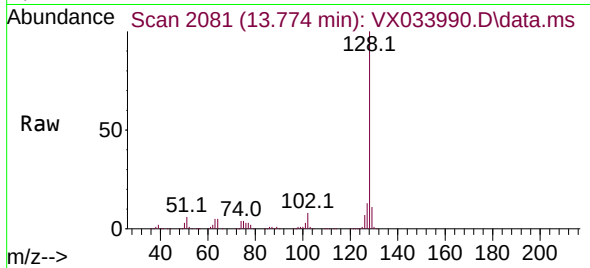




#71
Naphthalene
Concen: 101.374 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTD100616

Tgt Ion:128 Resp: 724681
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 99.975 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033990.D
Acq: 02 Feb 2023 14:09

Tgt Ion:180 Resp: 254839
Ion Ratio Lower Upper
180 100
182 96.6 77.1 115.7
145 29.9 23.5 35.3

