

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035115.D
 Acq On : 18 Apr 2023 12:04
 Operator : JC/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005632

Quant Time: Apr 19 00:30:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 00:30:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	554938	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	476493	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	224620	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	17326	4.842	ug/L	0.00
7) Chloroethane-d5	1.672	69	12650	4.892	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	65	8213	1.381	ug/L	0.00
21) 2-Butanone-d5	4.477	46	21266	8.901	ug/L	0.01
24) Chloroform-d	5.056	84	31306	4.646	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	20713	4.787	ug/L	0.00
32) Benzene-d6	5.976	84	65700	4.800	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	19675	4.706	ug/L	0.00
41) Toluene-d8	8.647	98	60683	4.851	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	7007	3.835	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	14569	8.677	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	23731	4.634	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	21259	4.884	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	18676	4.490	ug/L	98
3) Chloromethane	1.294	50	16744	4.424	ug/L	99
5) Vinyl chloride	1.374	62	17564	4.472	ug/L	99
6) Bromomethane	1.617	94	10390	4.454	ug/L	97
8) Chloroethane	1.691	64	9706	4.431	ug/L	93
9) Trichlorofluoromethane	1.892	101	23387	4.397	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	16170	4.450	ug/L	99
12) 1,1-Dichloroethene	2.325	96	14202	4.284	ug/L	82
13) Acetone	2.404	43	17038	9.634	ug/L	98
14) Carbon disulfide	2.514	76	32619	3.982	ug/L	98
15) Methyl Acetate	2.709	43	16125	4.256	ug/L	94
16) Methylene chloride	2.788	84	16969	4.597	ug/L	94
17) trans-1,2-Dichloroethene	3.093	96	15039	4.405	ug/L	88
18) Methyl tert-butyl Ether	3.111	73	50669	4.292	ug/L	99
19) 1,1-Dichloroethane	3.605	63	28908	4.393	ug/L	94
20) cis-1,2-Dichloroethene	4.483	96	17596	4.408	ug/L	88
22) 2-Butanone	4.574	43	23403	8.621	ug/L	97
23) Bromochloromethane	4.910	128	8352	4.225	ug/L	92
25) Chloroform	5.092	83	28643	4.293	ug/L	92
27) 1,2-Dichloroethane	6.092	62	23430	4.384	ug/L	98
29) Cyclohexane	5.470	56	25542	4.436	ug/L	97
30) 1,1,1-Trichloroethane	5.391	97	23119	4.137	ug/L	98
31) Carbon tetrachloride	5.678	117	18928	3.994	ug/L	98
33) Benzene	6.037	78	65012	4.505	ug/L	100
34) Trichloroethene	7.129	95	17092	4.453	ug/L	90
35) Methylcyclohexane	7.379	83	23575	4.560	ug/L	97
37) 1,2-Dichloropropane	7.433	63	16720	4.401	ug/L	98
38) Bromodichloromethane	7.824	83	17263	3.846	ug/L #	96
39) cis-1,3-Dichloropropene	8.366	75	20426	3.596	ug/L	94
40) 4-Methyl-2-pentanone	8.573	43	42157	8.418	ug/L	99
42) Toluene	8.720	91	65670	4.386	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	17773	3.472	ug/L	99

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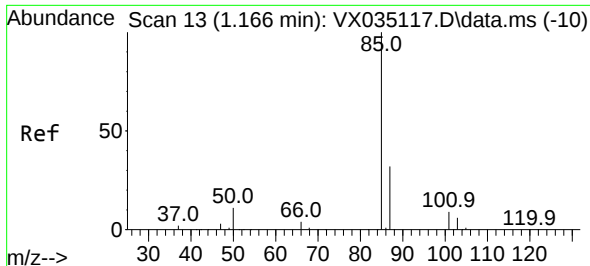
Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Apr 19 00:30:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	9.153	97	15510	4.302	ug/L	99
46) Tetrachloroethene	9.275	164	12182	4.260	ug/L	97
48) 2-Hexanone	9.433	43	30687	8.070	ug/L	96
49) Dibromochloromethane	9.518	129	12327	3.598	ug/L	97
50) 1,2-Dibromoethane	9.610	107	15417	4.110	ug/L #	100
51) Chlorobenzene	10.079	112	43773	4.438	ug/L	97
52) Ethylbenzene	10.195	91	73307	4.430	ug/L	95
53) m,p-Xylene	10.299	106	26216	4.137	ug/L	95
54) o-Xylene	10.640	106	26419	4.240	ug/L	100
55) Styrene	10.658	104	43167	4.089	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	22289	4.195	ug/L	98
59) Bromoform	10.799	173	7792	3.370	ug/L	96
60) Isopropylbenzene	10.963	105	67897	4.445	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	18688	4.506	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	53861	4.312	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	52610	4.236	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	29177	4.189	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	30970	4.345	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	31576	4.471	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	3673	3.589	ug/L	90
69) 1,3,5-Trichlorobenzene	13.115	180	17945	4.167	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	17010	4.218	ug/L	95
71) Naphthalene	13.780	128	57490	4.002	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	16393	4.118	ug/L	95

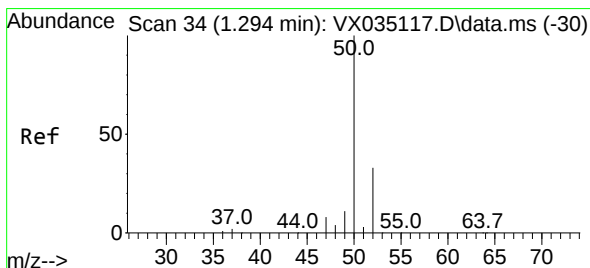
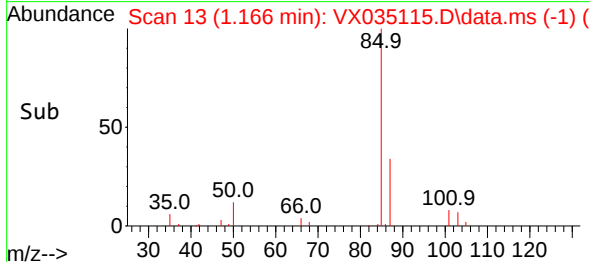
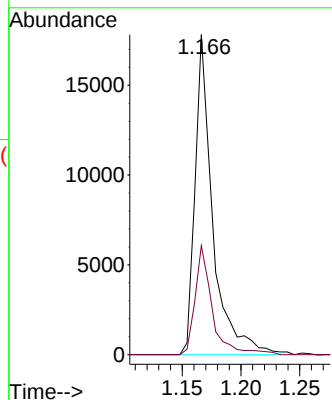
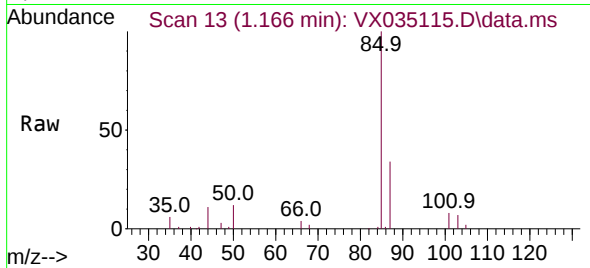
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.490 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. -0.000 min
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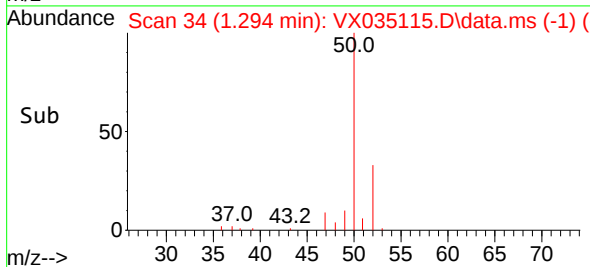
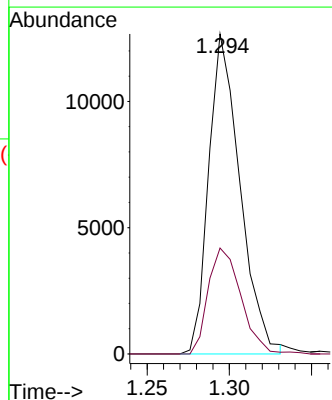
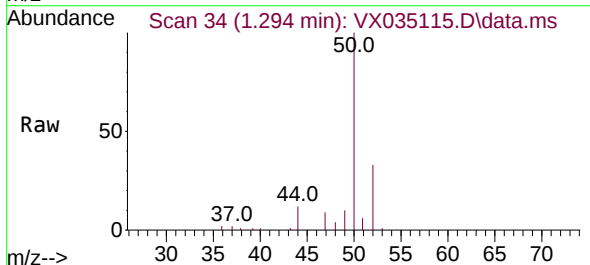
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005632

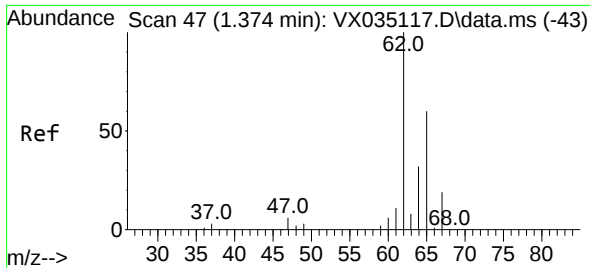
Tgt Ion: 85 Resp: 18676
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.2 39.4



#3
 Chloromethane
 Concen: 4.424 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX035115.D
 Acq: 18 Apr 2023 12:04

Tgt Ion: 50 Resp: 16744
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.6

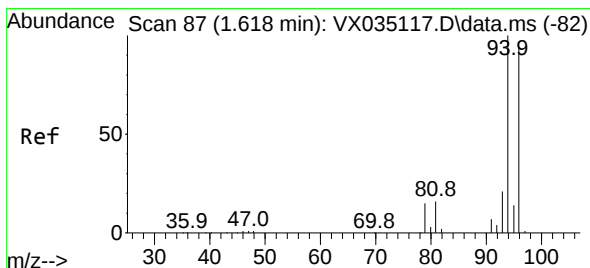
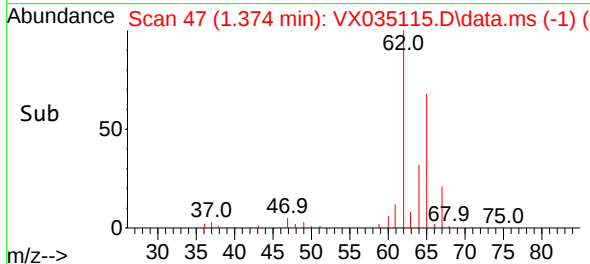
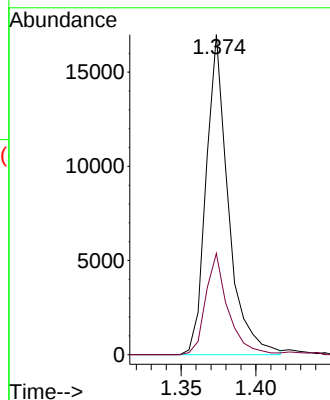
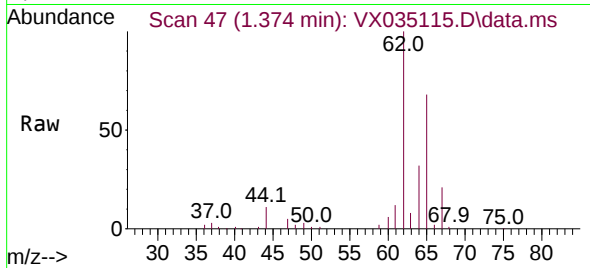




#5
 Vinyl chloride
 Concen: 4.472 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX035115.D
 Acq: 18 Apr 2023 12:04

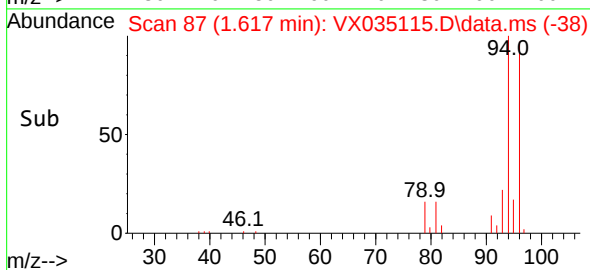
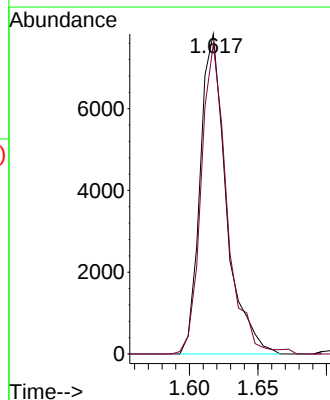
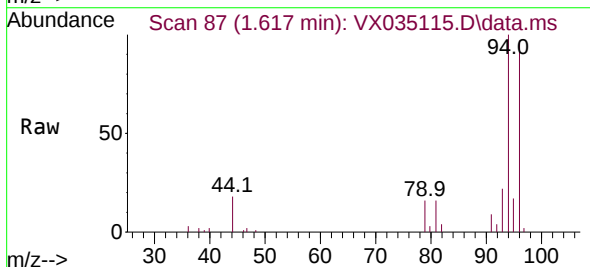
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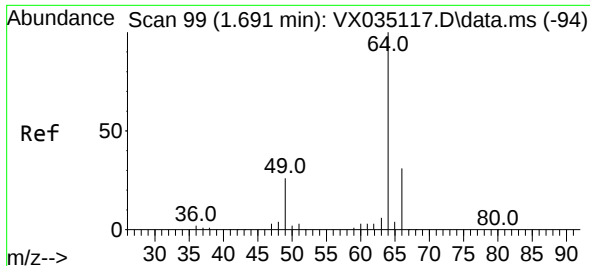
Tgt Ion: 62 Resp: 17564
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.5 41.7



#6
 Bromomethane
 Concen: 4.454 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX035115.D
 Acq: 18 Apr 2023 12:04

Tgt Ion: 94 Resp: 10390
 Ion Ratio Lower Upper
 94 100
 96 96.9 65.7 121.9

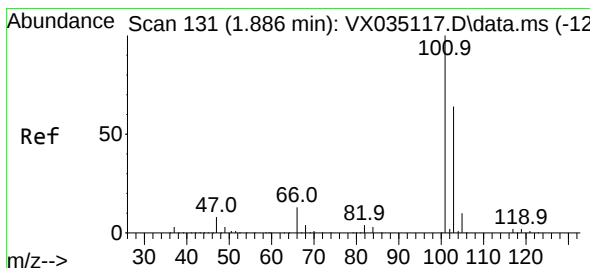
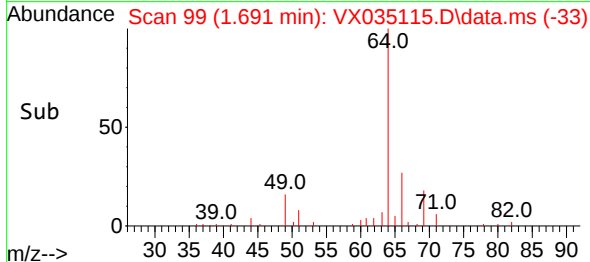
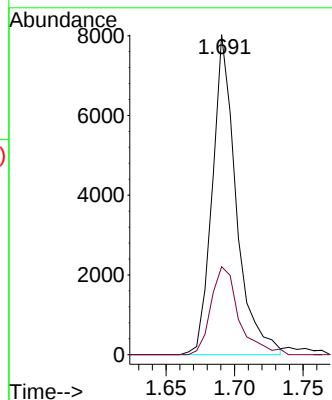
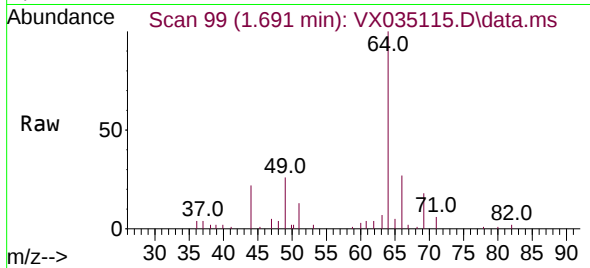




#8
Chloroethane
Concen: 4.431 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

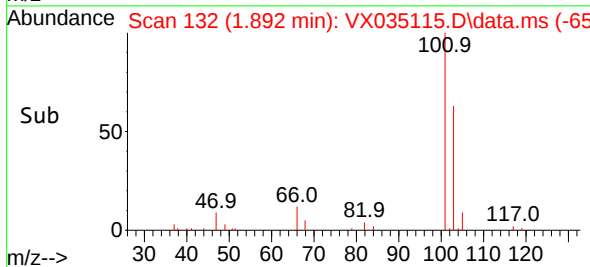
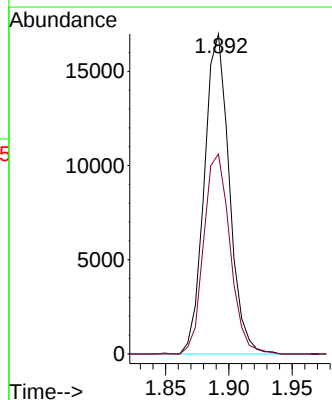
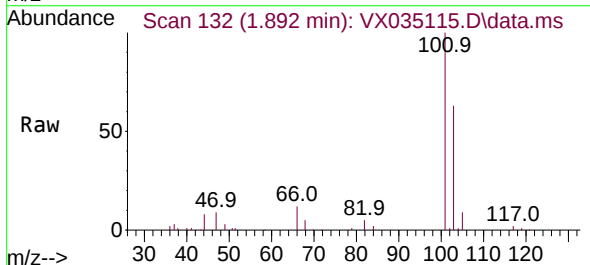
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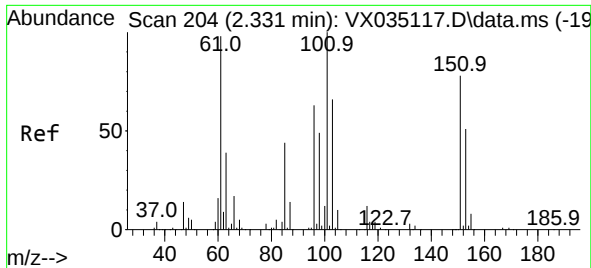
Tgt Ion: 64 Resp: 9706
Ion Ratio Lower Upper
64 100
66 27.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.397 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 101 Resp: 23387
Ion Ratio Lower Upper
101 100
103 65.8 51.7 77.5

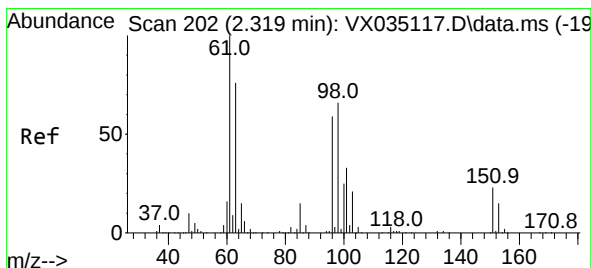
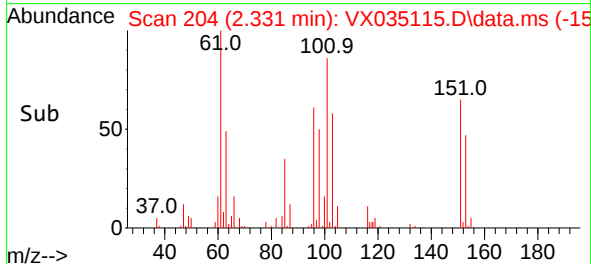
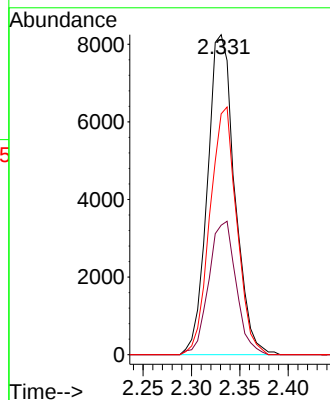
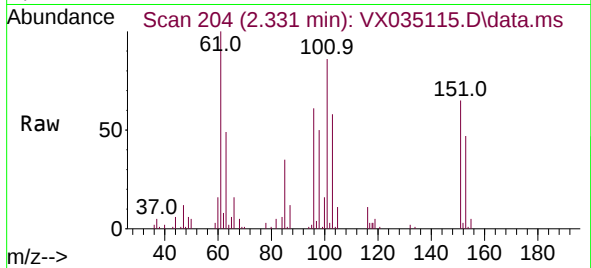




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.450 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX035115.D
 Acq: 18 Apr 2023 12:04

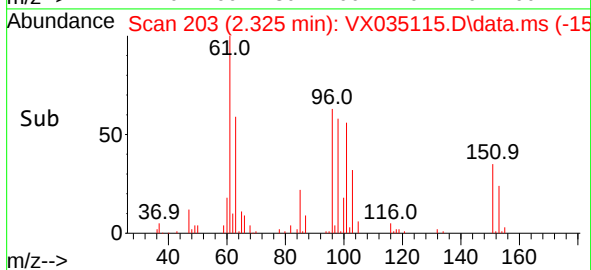
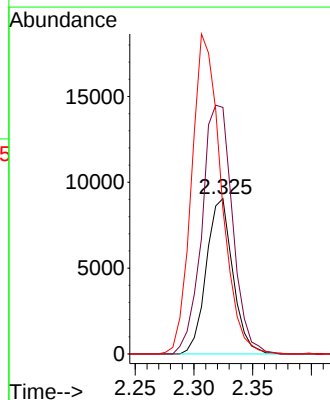
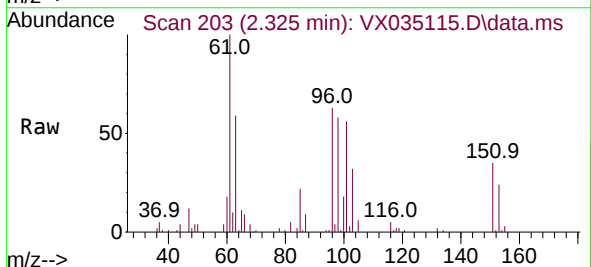
Instrument :
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 ClientSampleId :
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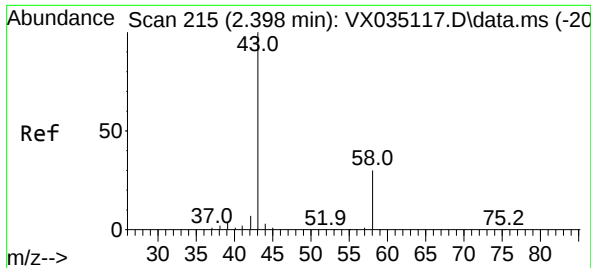
Tgt Ion: 101 Resp: 16170
 Ion Ratio Lower Upper
 101 100
 85 41.7 34.2 51.2
 151 76.0 61.1 91.7



#12
 1,1-Dichloroethene
 Concen: 4.284 ug/L
 RT: 2.325 min Scan# 203
 Delta R.T. 0.006 min
 Lab File: VX035115.D
 Acq: 18 Apr 2023 12:04

Tgt Ion: 96 Resp: 14202
 Ion Ratio Lower Upper
 96 100
 61 158.6 119.0 221.0
 63 93.2 91.0 169.0





#13

Acetone

Concen: 9.634 ug/L

RT: 2.404 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

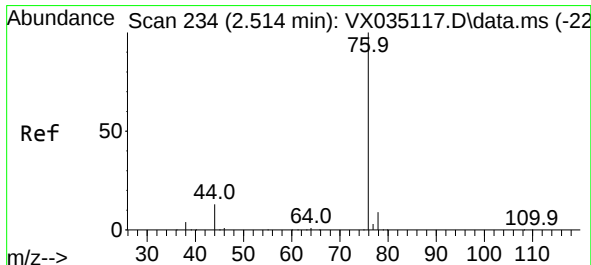
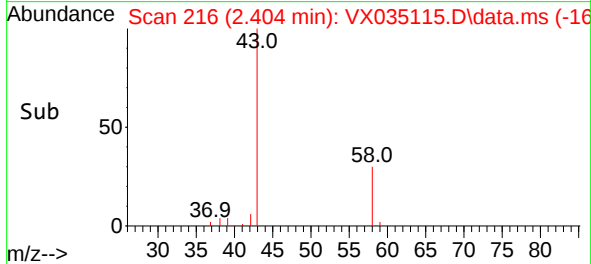
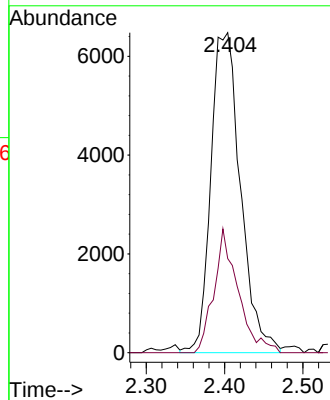
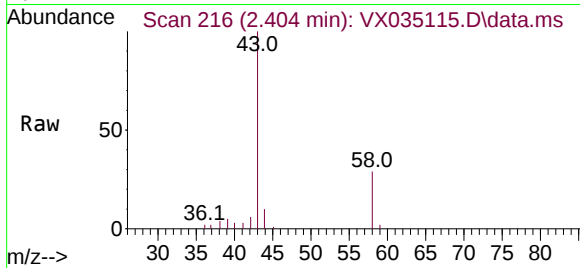
VSTD005632

Tgt Ion: 43 Resp: 17038

Ion Ratio Lower Upper

43 100

58 29.9 0.0 62.0



#14

Carbon disulfide

Concen: 3.982 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX035115.D

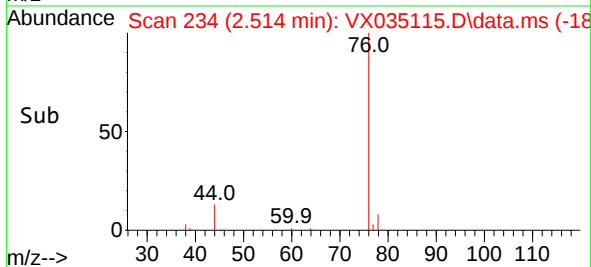
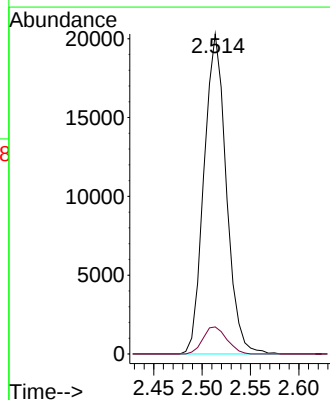
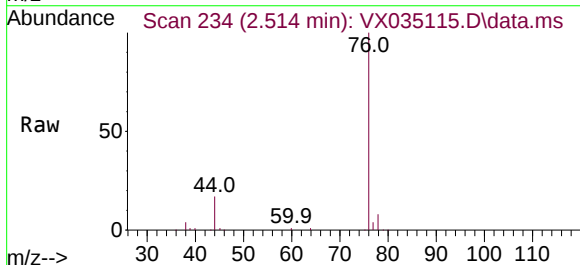
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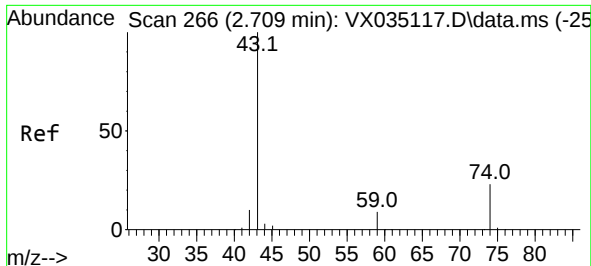
Tgt Ion: 76 Resp: 32619

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

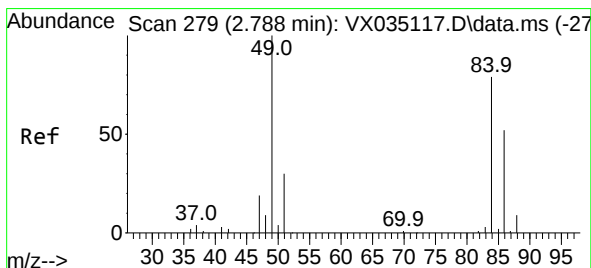
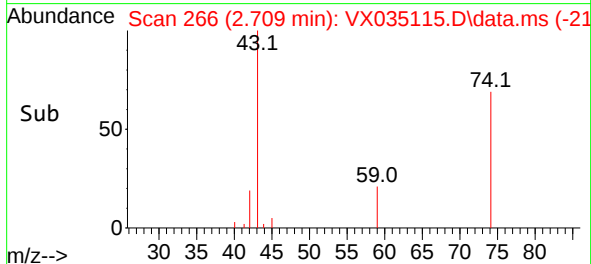
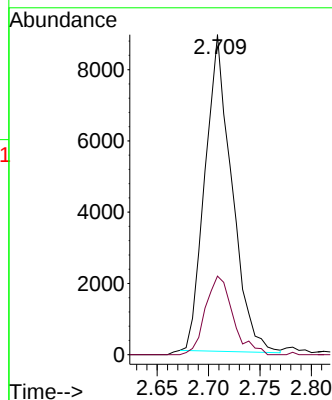
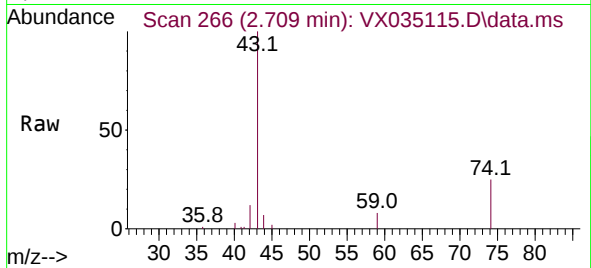




#15
Methyl Acetate
Concen: 4.256 ug/L
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

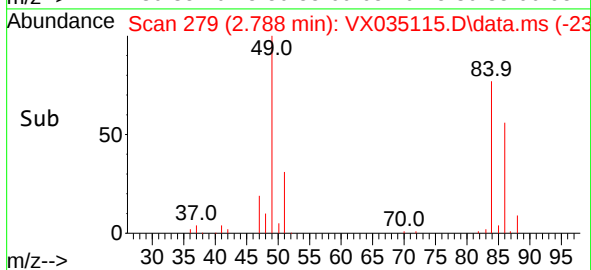
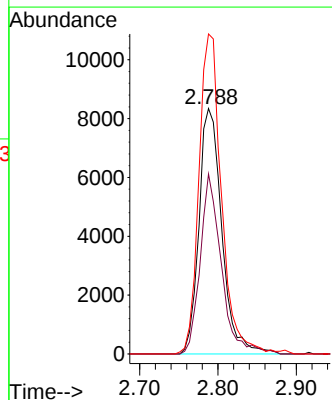
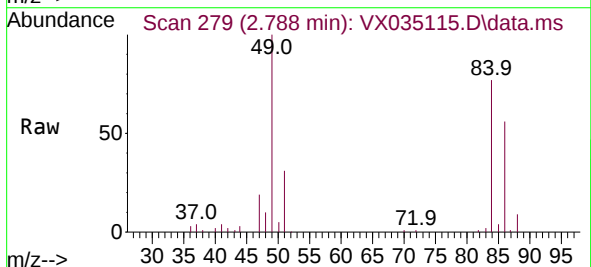
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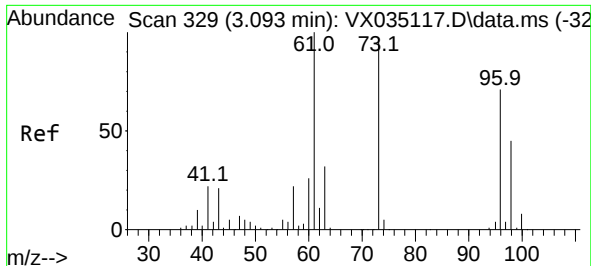
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Ion Ratio Lower Upper
43 100
74 25.5 18.2 27.4



#16
Methylene chloride
Concen: 4.597 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 84 Resp: 16969
Ion Ratio Lower Upper
84 100
86 73.3 45.8 85.0
49 130.4 88.7 164.7

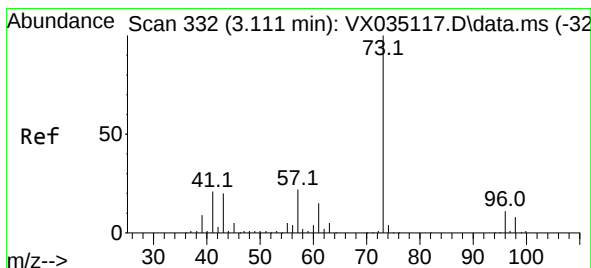
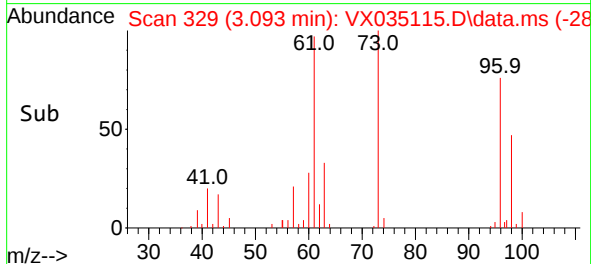
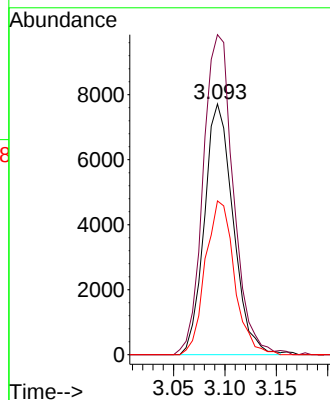
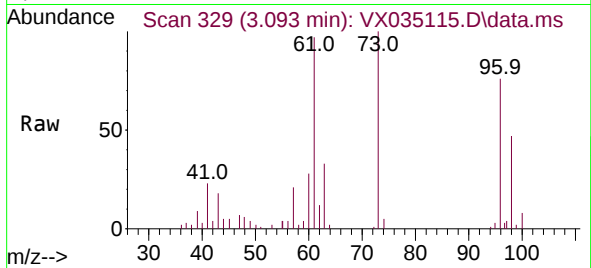




#17
trans-1,2-Dichloroethene
Concen: 4.405 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

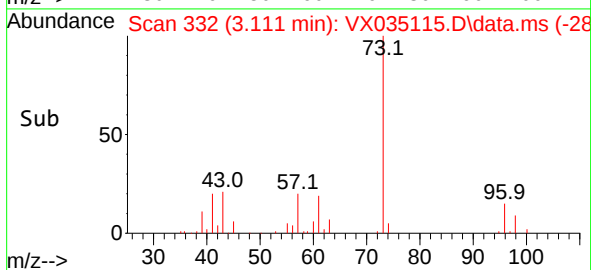
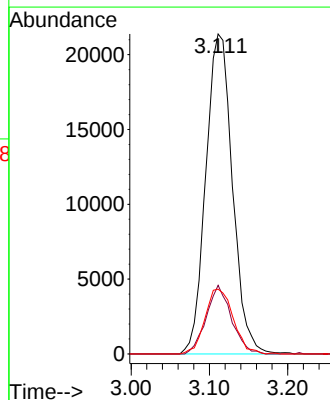
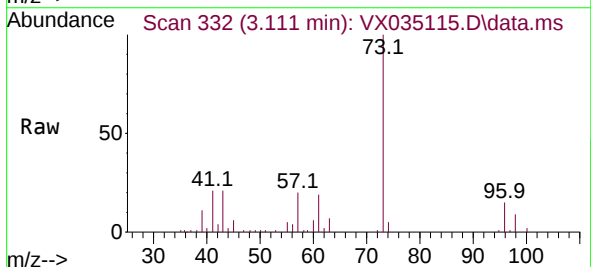
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

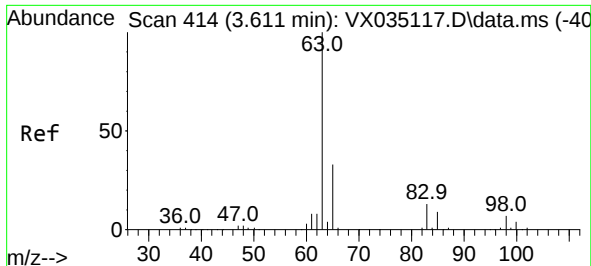
Tgt Ion: 96 Resp: 15039
Ion Ratio Lower Upper
96 100
61 123.4 98.8 183.4
98 59.3 44.4 82.4



#18
Methyl tert-butyl Ether
Concen: 4.292 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 73 Resp: 50669
Ion Ratio Lower Upper
73 100
43 20.2 16.6 25.0
57 21.2 17.5 26.3





#19

1,1-Dichloroethane

Concen: 4.393 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

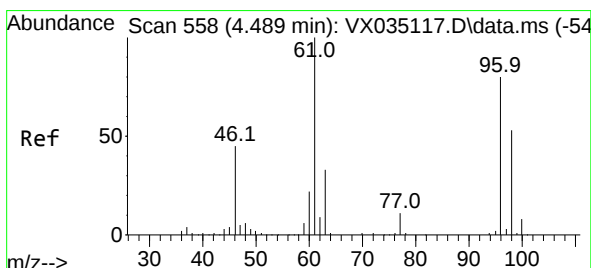
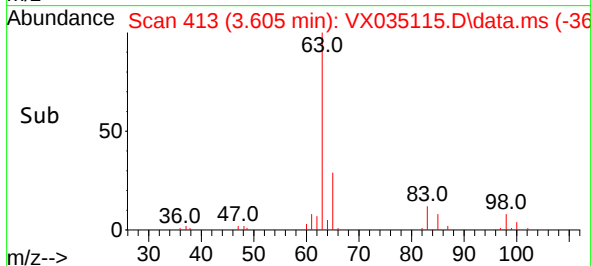
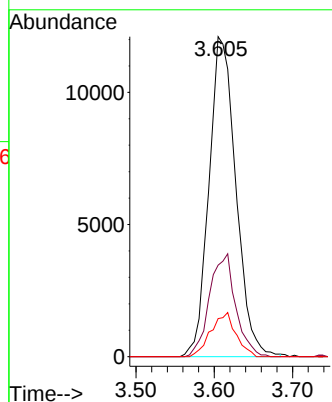
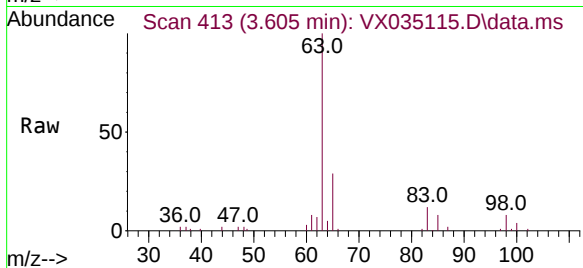
Tgt Ion: 63 Resp: 28908

Ion Ratio Lower Upper

63 100

65 28.6 22.8 42.4

83 11.9 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 4.408 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

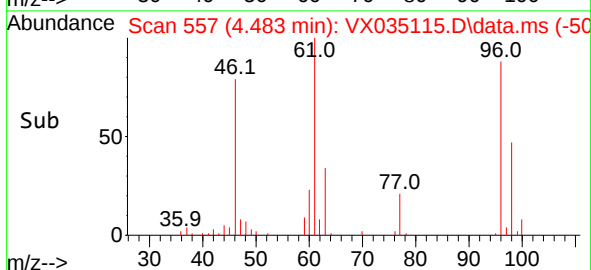
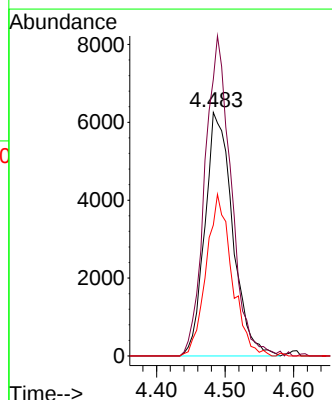
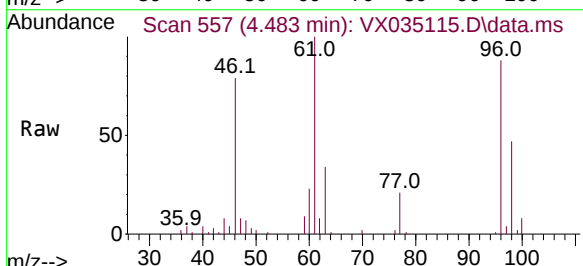
Tgt Ion: 96 Resp: 17596

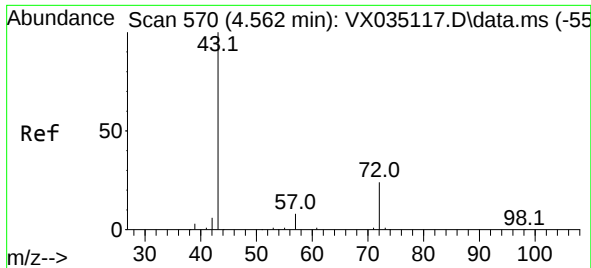
Ion Ratio Lower Upper

96 100

61 113.6 87.8 163.2

98 53.7 46.3 86.1

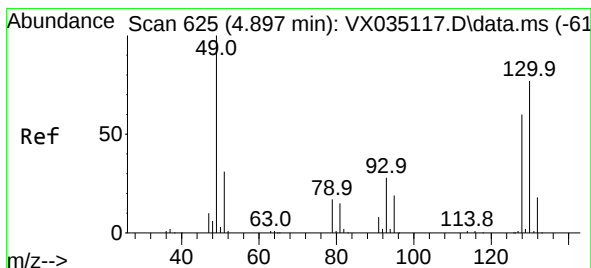
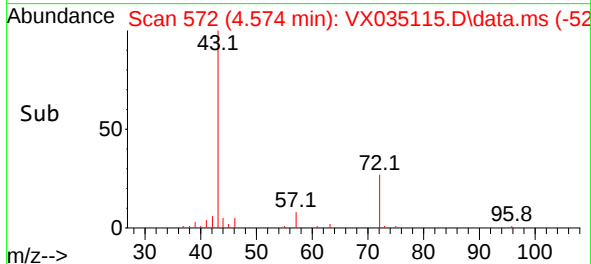
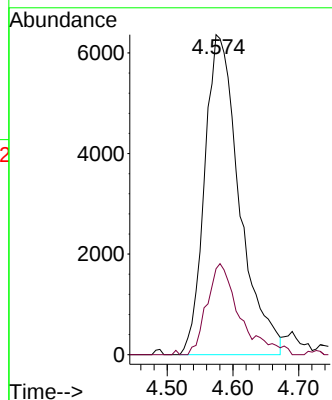
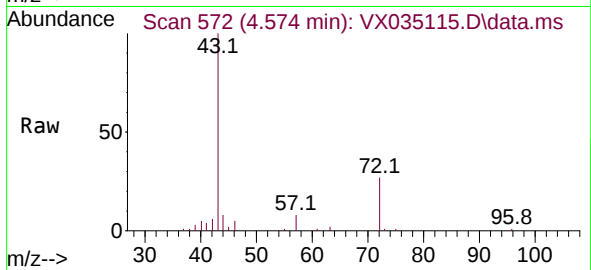




#22
2-Butanone
Concen: 8.621 ug/L
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

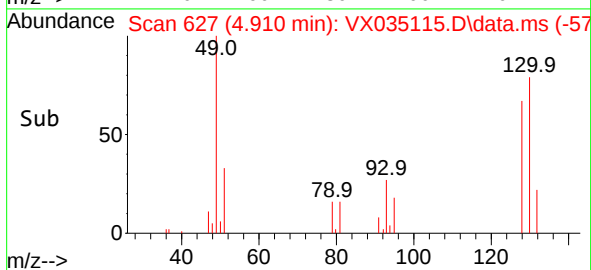
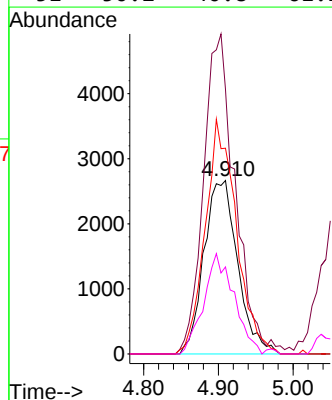
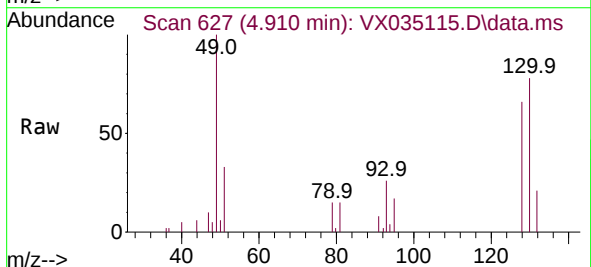
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

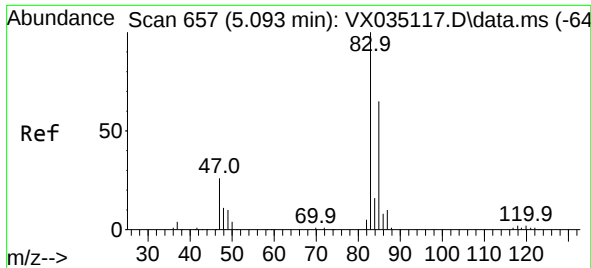
Tgt Ion: 43 Resp: 23403
Ion Ratio Lower Upper
43 100
72 23.5 12.4 37.2



#23
Bromochloromethane
Concen: 4.225 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion:128 Resp: 8352
Ion Ratio Lower Upper
128 100
49 152.6 115.9 215.3
130 118.6 88.9 165.1
51 50.2 40.8 61.2

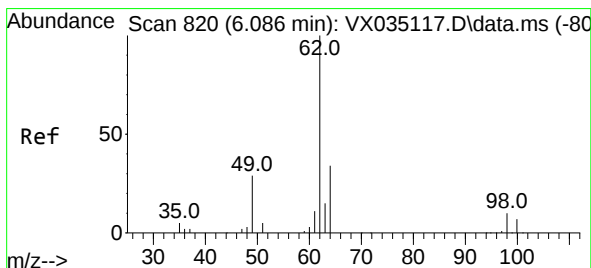
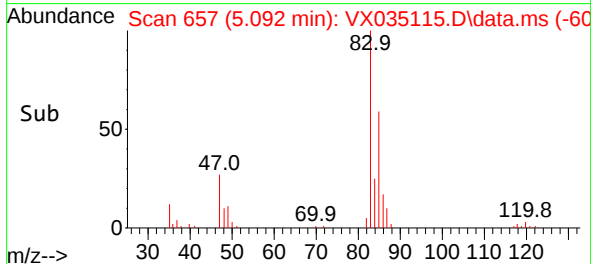
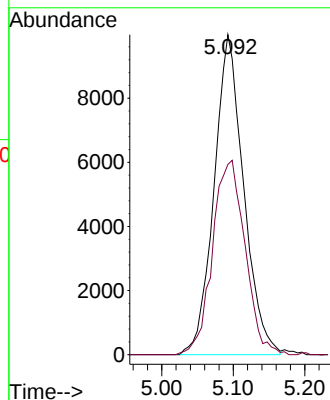
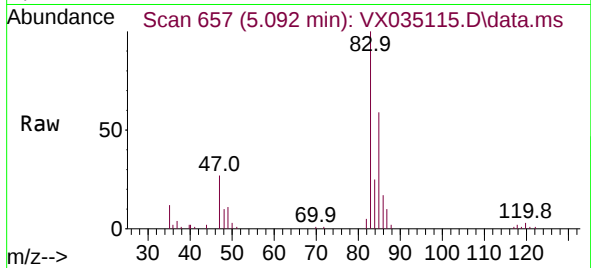




#25
Chloroform
Concen: 4.293 ug/L
RT: 5.092 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

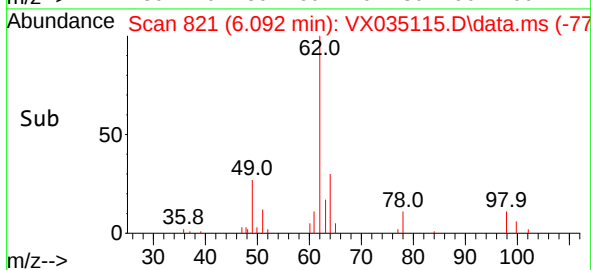
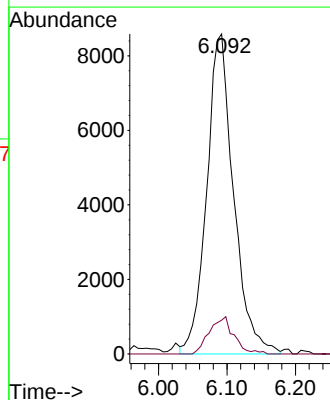
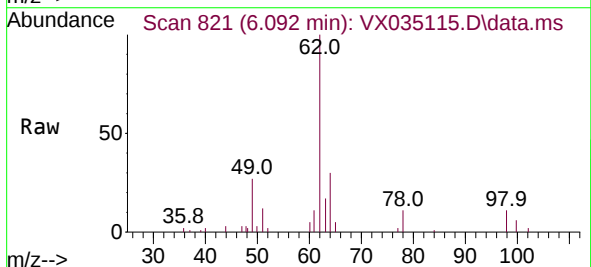
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

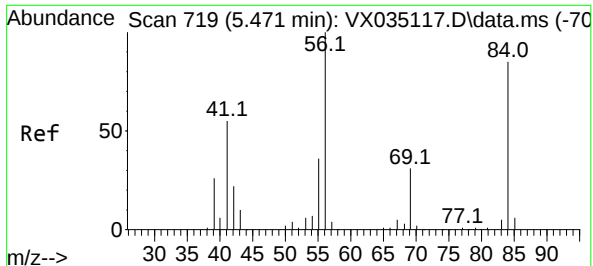
Tgt Ion: 83 Resp: 28643
Ion Ratio Lower Upper
83 100
85 59.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 4.384 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 62 Resp: 23430
Ion Ratio Lower Upper
62 100
98 10.5 7.8 11.8





#29

Cyclohexane

Concen: 4.436 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

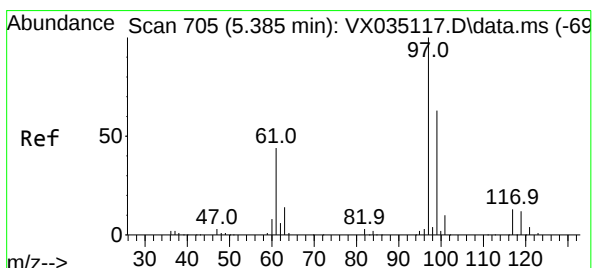
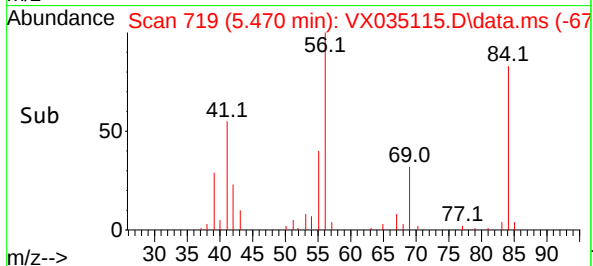
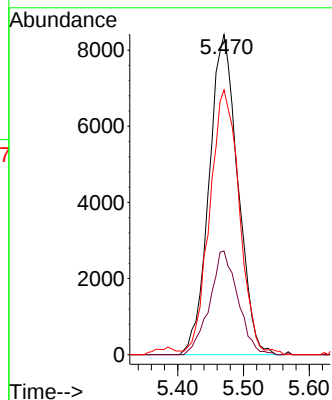
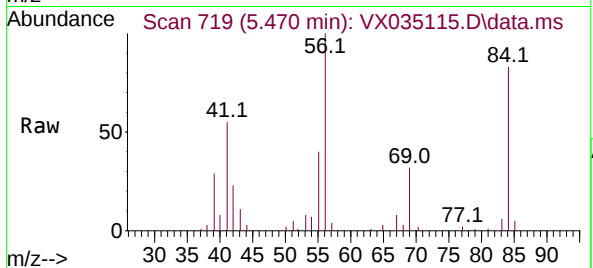
Tgt Ion: 56 Resp: 25542

Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

84 84.7 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 4.137 ug/L

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

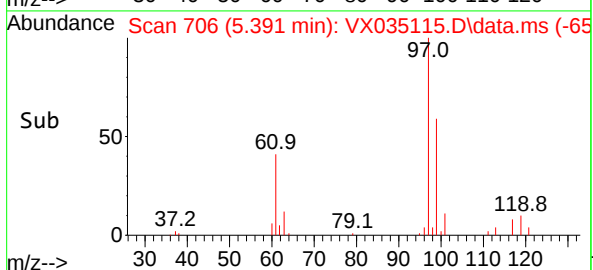
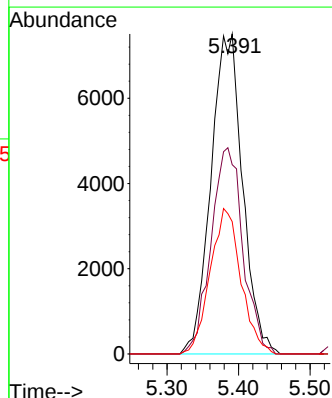
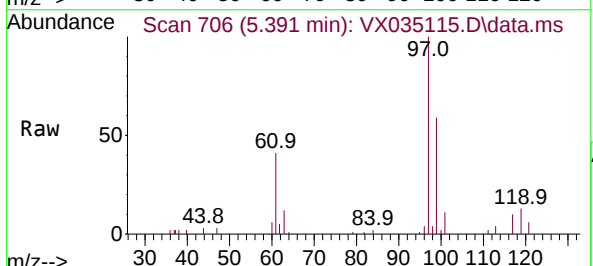
Tgt Ion: 97 Resp: 23119

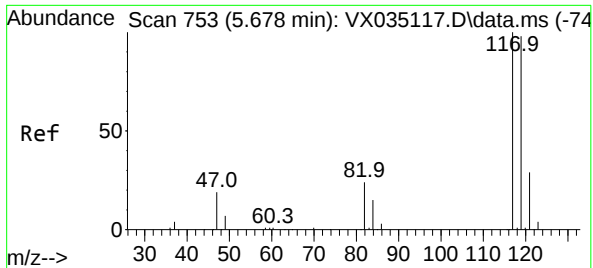
Ion Ratio Lower Upper

97 100

99 64.8 50.6 75.8

61 44.2 34.9 52.3

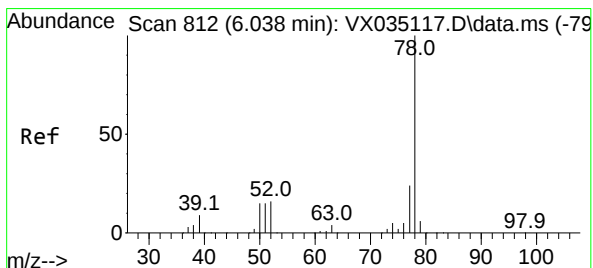
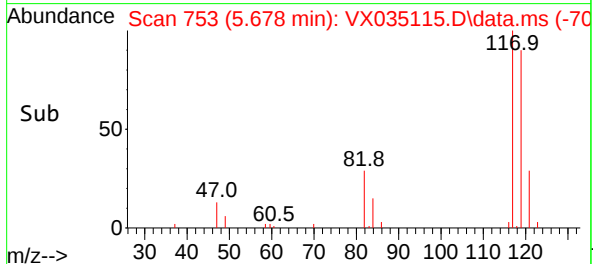
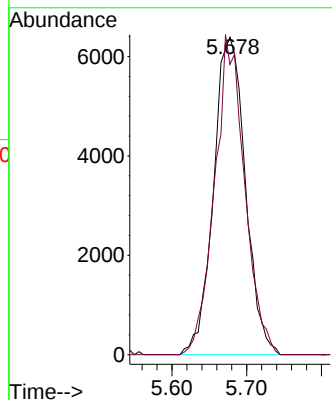
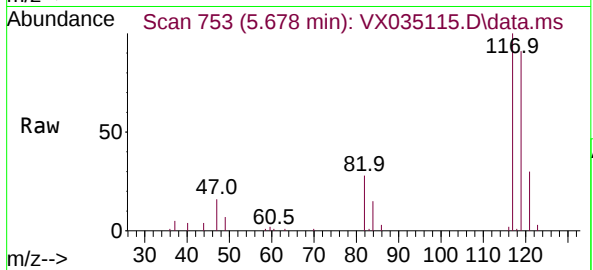




#31
Carbon tetrachloride
Concen: 3.994 ug/L
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

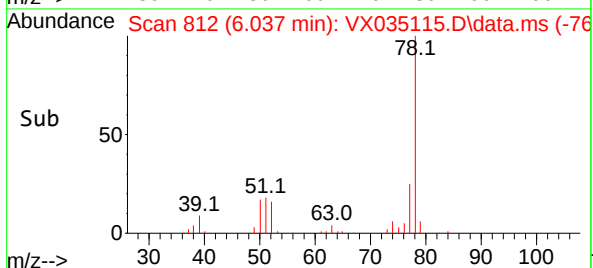
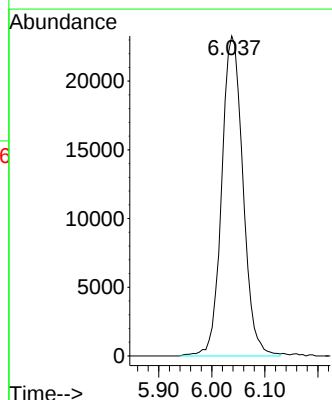
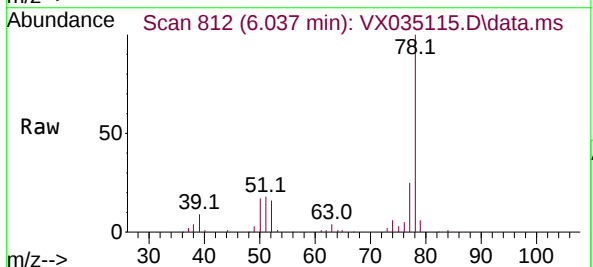
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

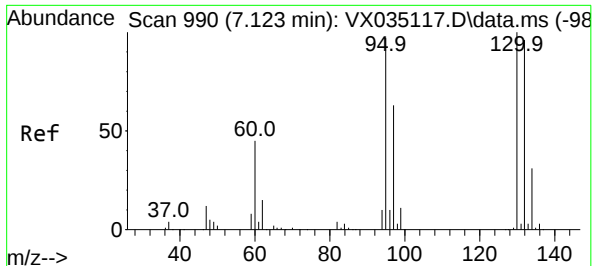
Tgt Ion:117 Resp: 18928
Ion Ratio Lower Upper
117 100
119 94.8 77.1 115.7



#33
Benzene
Concen: 4.505 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 78 Resp: 65012

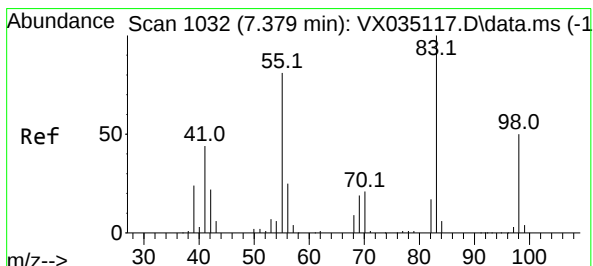
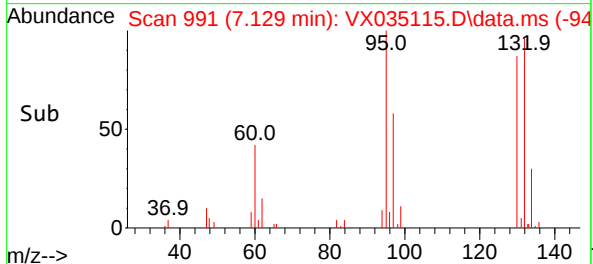
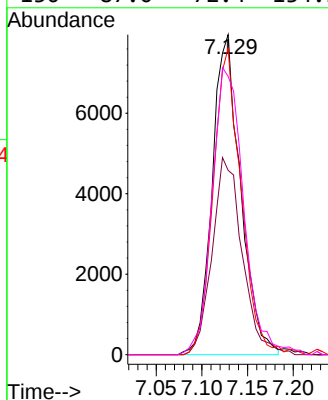
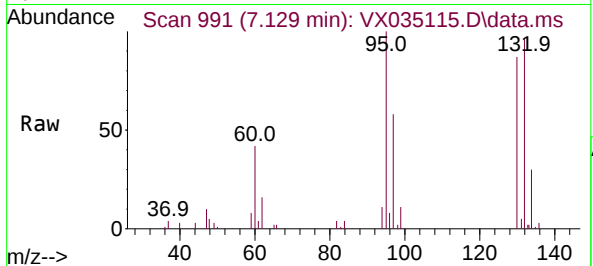




#34
Trichloroethene
Concen: 4.453 ug/L
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

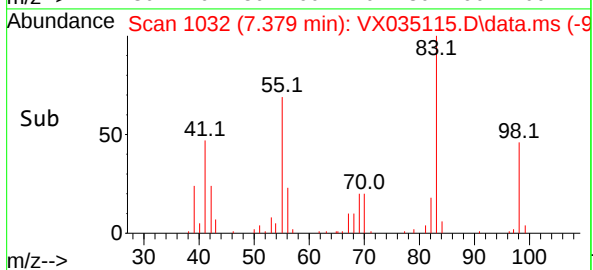
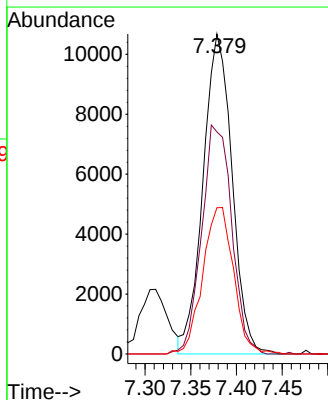
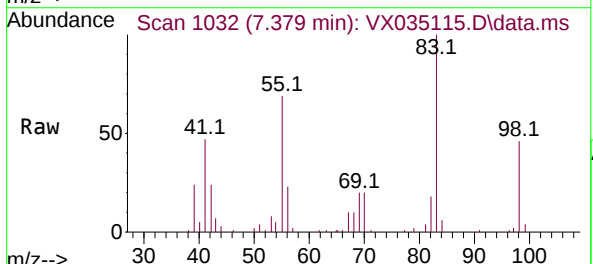
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

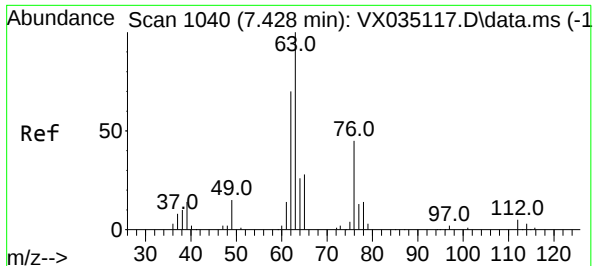
Tgt Ion: 95 Resp: 17092
Ion Ratio Lower Upper
95 100
97 57.6 45.6 84.8
132 95.8 69.7 129.4
130 87.0 72.4 134.5



#35
Methylcyclohexane
Concen: 4.560 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 83 Resp: 23575
Ion Ratio Lower Upper
83 100
55 74.1 62.2 93.2
98 48.4 39.3 58.9





#37

1,2-Dichloropropane

Concen: 4.401 ug/L

RT: 7.433 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

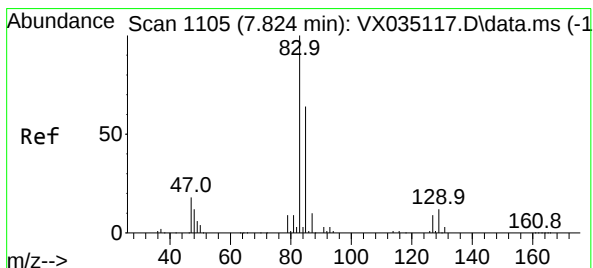
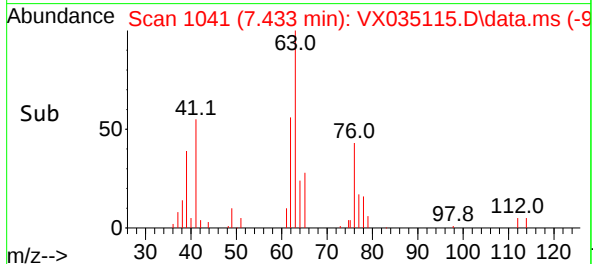
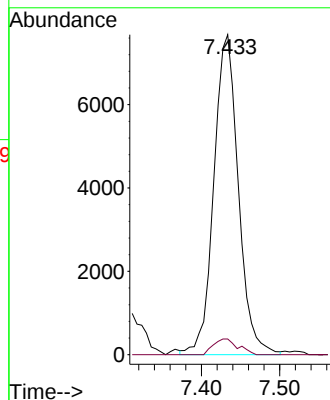
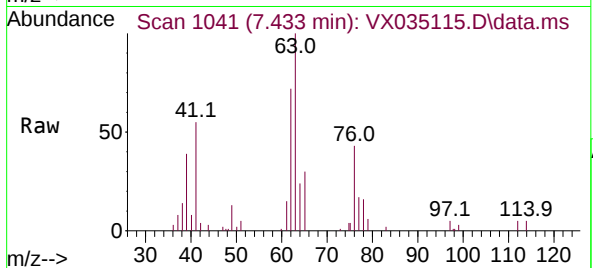
VSTD005632

Tgt Ion: 63 Resp: 16720

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5



#38

Bromodichloromethane

Concen: 3.846 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

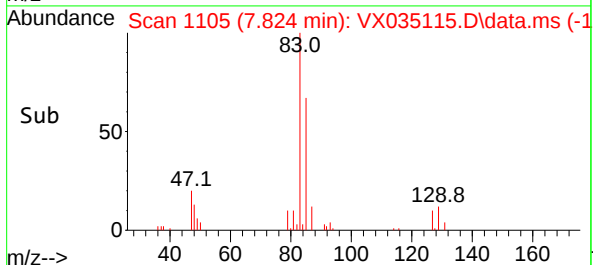
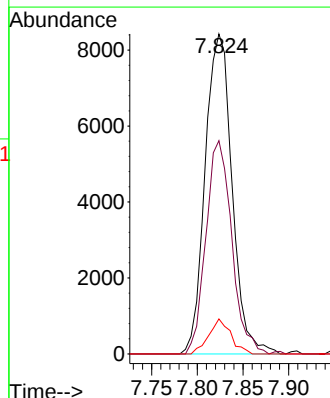
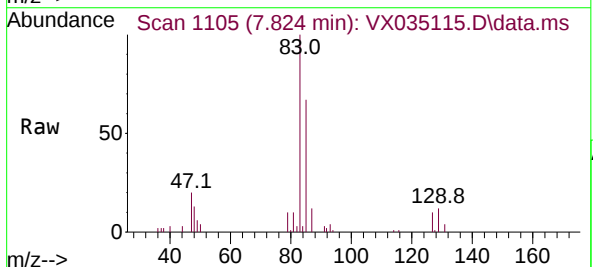
Tgt Ion: 83 Resp: 17263

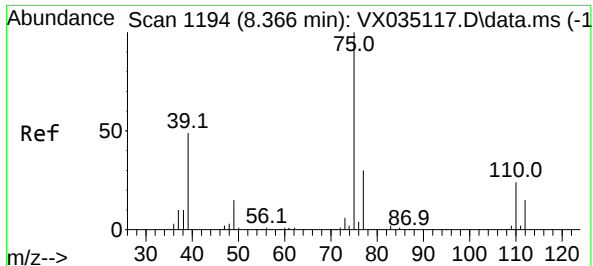
Ion Ratio Lower Upper

83 100

85 66.7 44.7 82.9

127 10.9 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 3.596 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

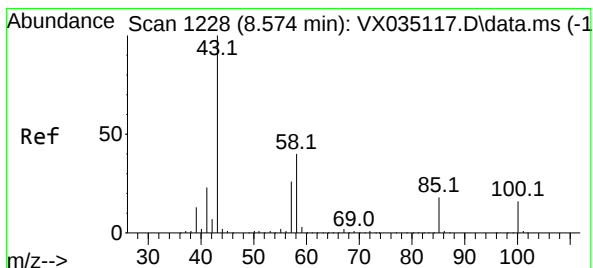
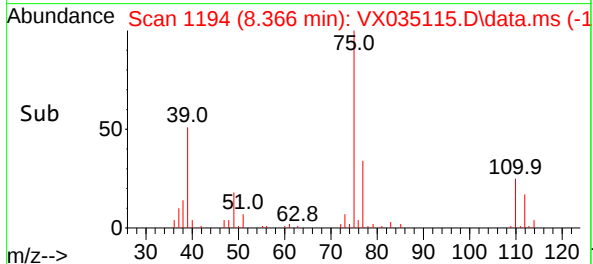
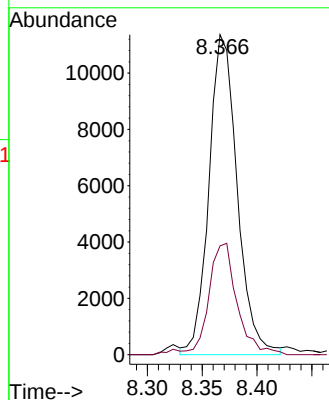
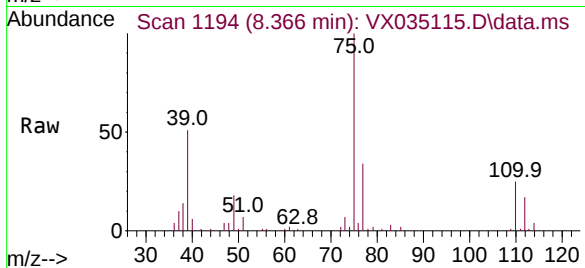
VSTD005632

Tgt Ion: 75 Resp: 20426

Ion Ratio Lower Upper

75 100

77 34.0 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 8.418 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

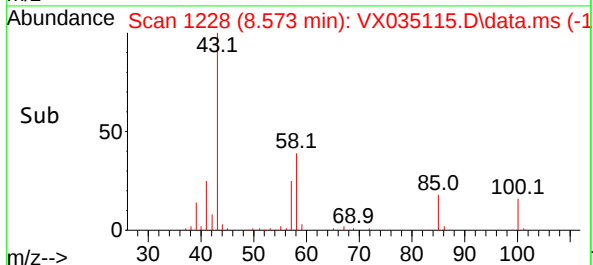
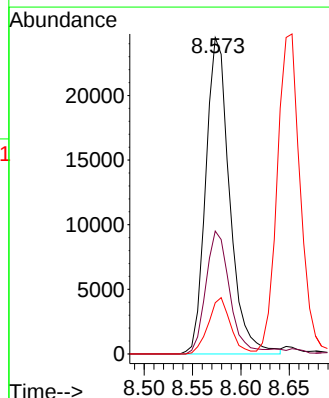
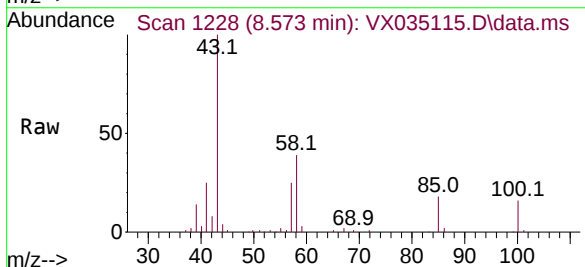
Tgt Ion: 43 Resp: 42157

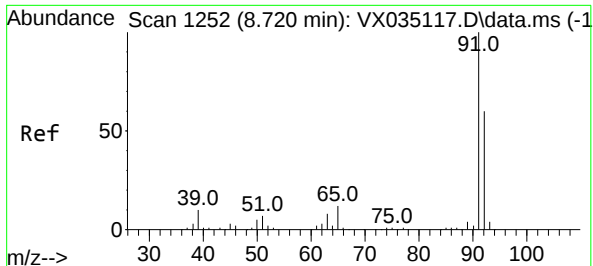
Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3

100 16.4 12.8 19.2





#42

Toluene

Concen: 4.386 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

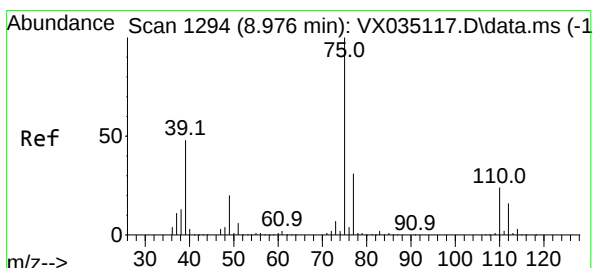
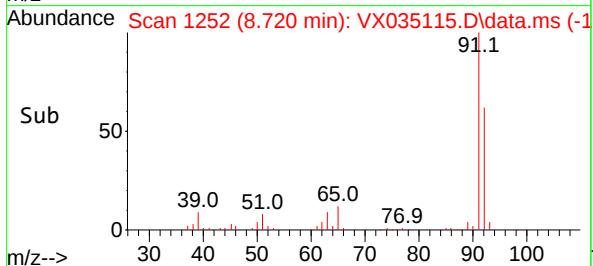
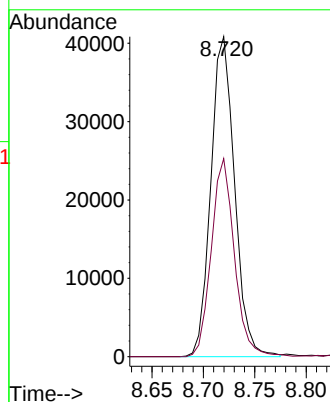
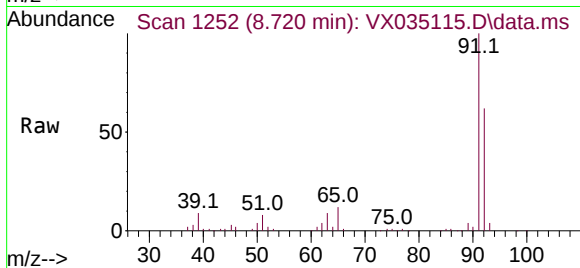
VSTD005632

Tgt Ion: 91 Resp: 65670

Ion Ratio Lower Upper

91 100

92 61.9 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 3.472 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX035115.D

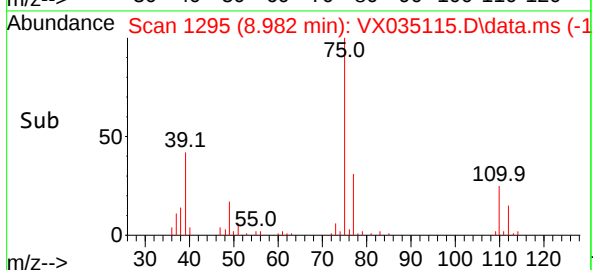
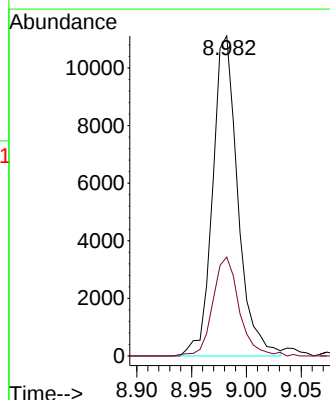
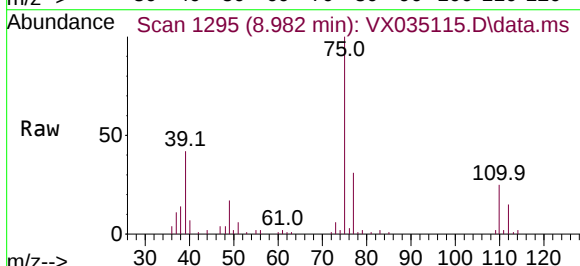
Acq: 18 Apr 2023 12:04

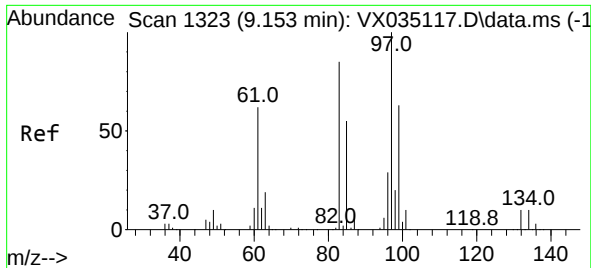
Tgt Ion: 75 Resp: 17773

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8

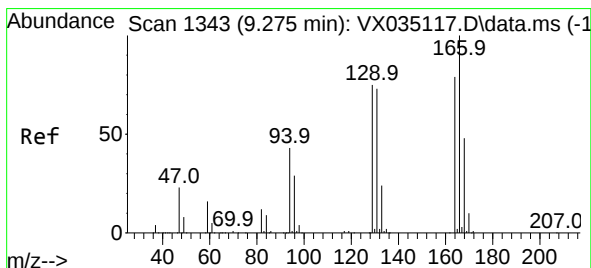
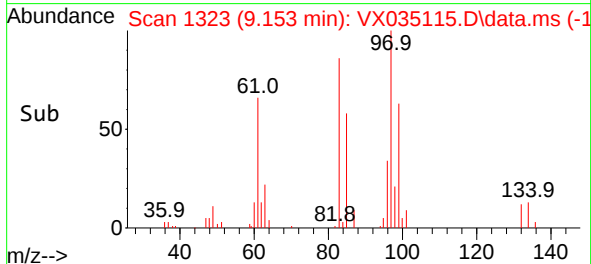
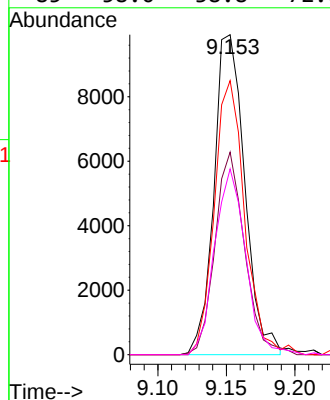
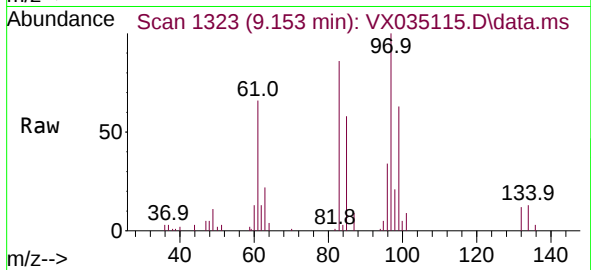




#45
1,1,2-Trichloroethane
Concen: 4.302 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

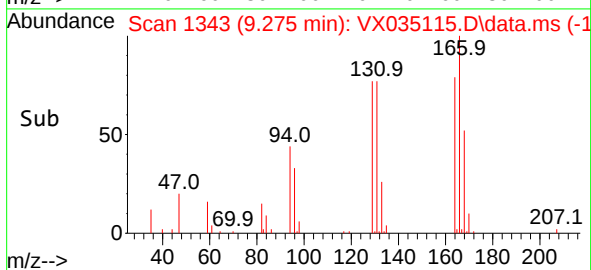
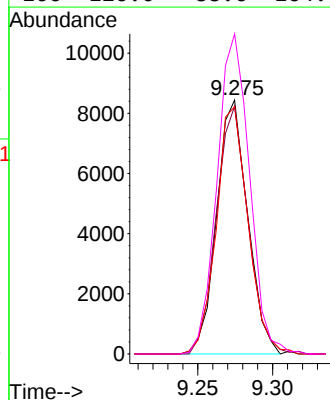
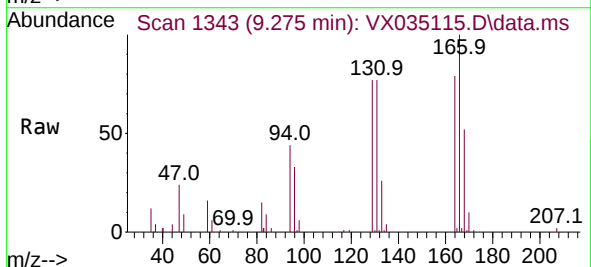
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

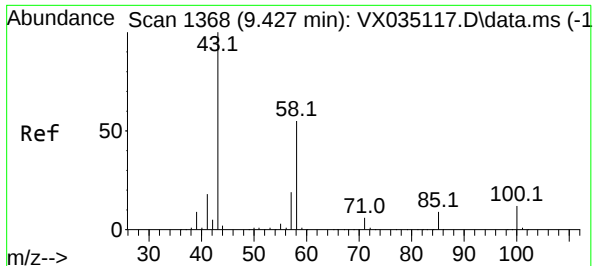
Tgt Ion: 97	Resp:	15510	
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.8	81.4
83	85.6	59.8	111.0
85	58.0	38.8	72.0



#46
Tetrachloroethene
Concen: 4.260 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt	Ion:164	Resp:	12182
Ion	Ratio	Lower	Upper
164	100		
129	97.6	66.1	122.8
131	97.4	65.0	120.8
166	126.0	88.6	164.6





#48

2-Hexanone

Concen: 8.070 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

Tgt Ion: 43 Resp: 30687

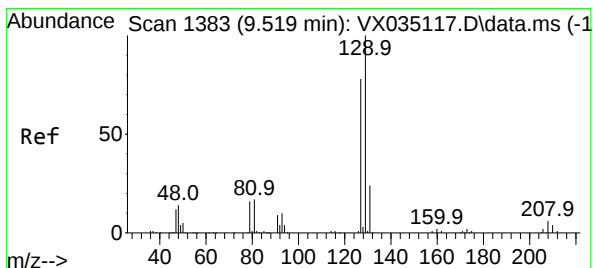
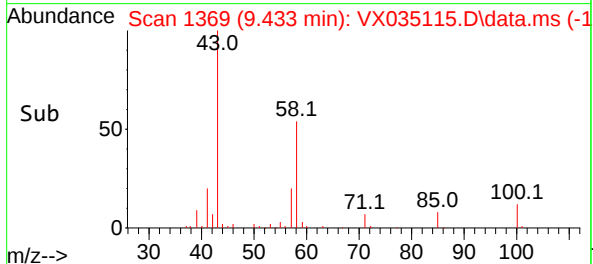
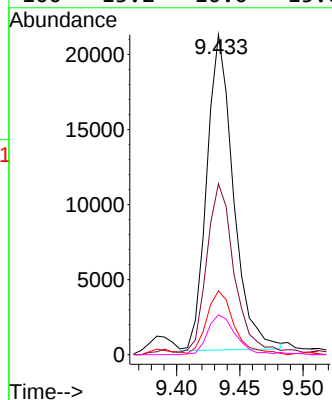
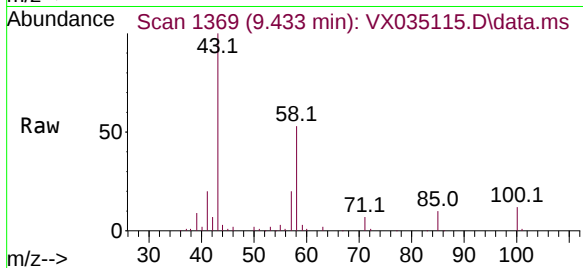
Ion Ratio Lower Upper

43 100

58 57.0 43.2 64.8

57 20.9 15.4 23.0

100 13.2 10.0 15.0



#49

Dibromochloromethane

Concen: 3.598 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX035115.D

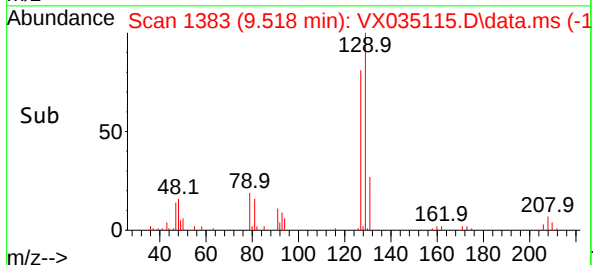
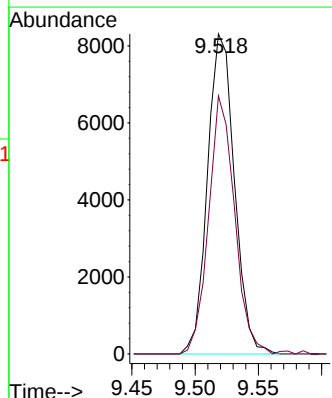
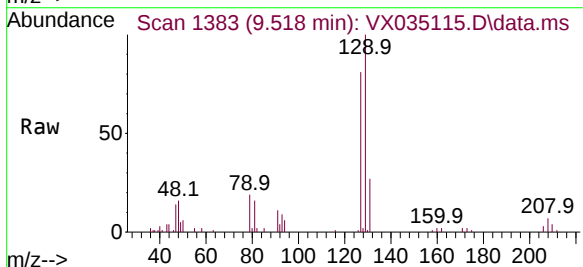
Acq: 18 Apr 2023 12:04

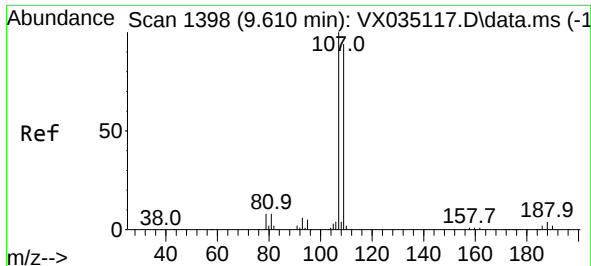
Tgt Ion: 129 Resp: 12327

Ion Ratio Lower Upper

129 100

127 80.7 54.8 101.8





#50

1,2-Dibromoethane

Concen: 4.110 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

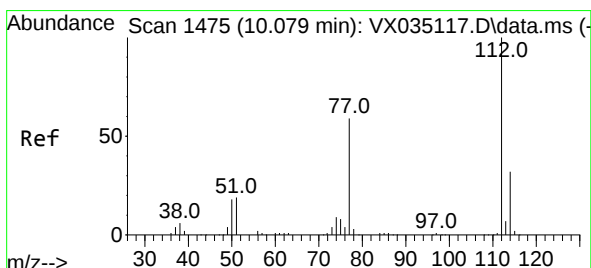
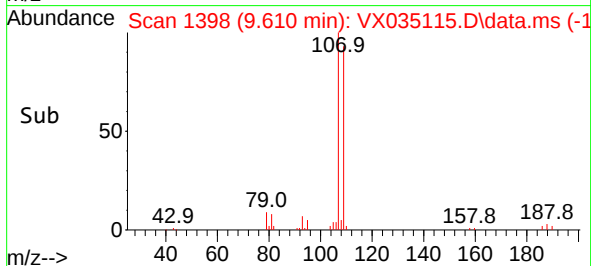
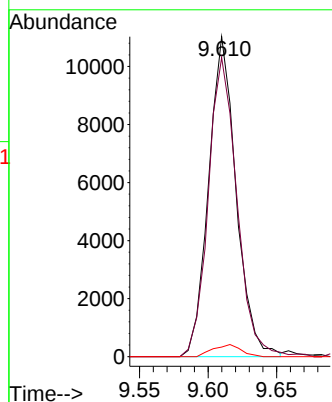
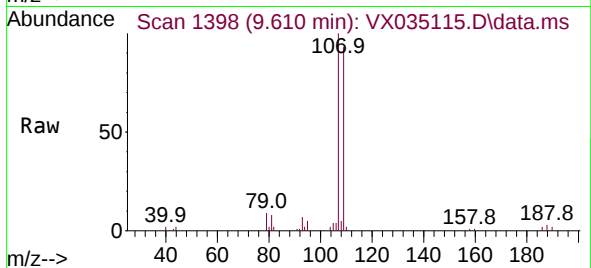
Tgt Ion:107 Resp: 15417

Ion Ratio Lower Upper

107 100

109 93.5 65.6 121.8

188 3.0 3.3 4.9#



#51

Chlorobenzene

Concen: 4.438 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

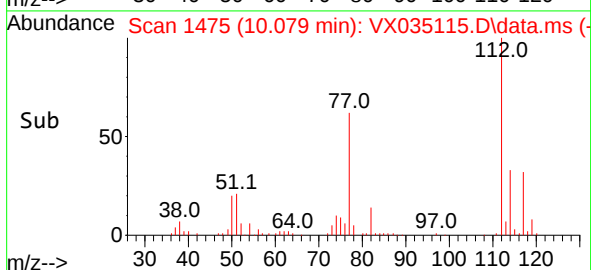
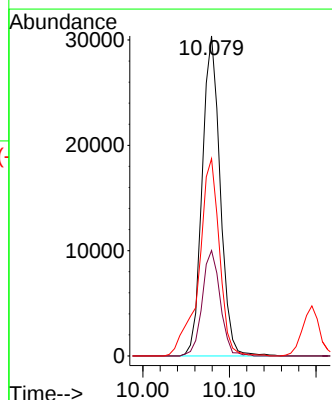
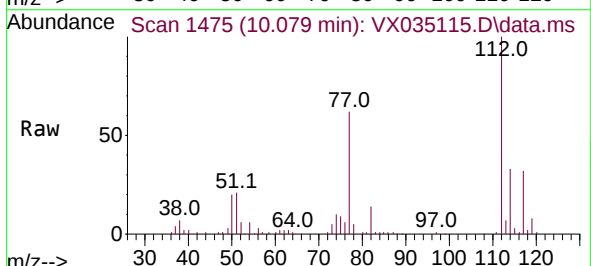
Tgt Ion:112 Resp: 43773

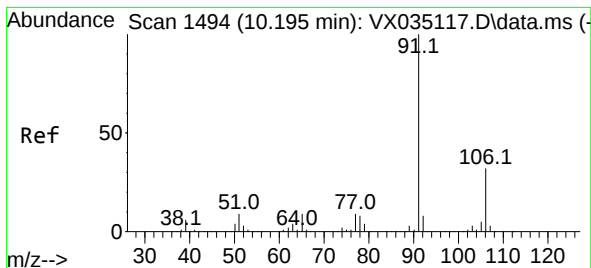
Ion Ratio Lower Upper

112 100

114 32.9 22.4 41.6

77 61.6 47.0 70.6

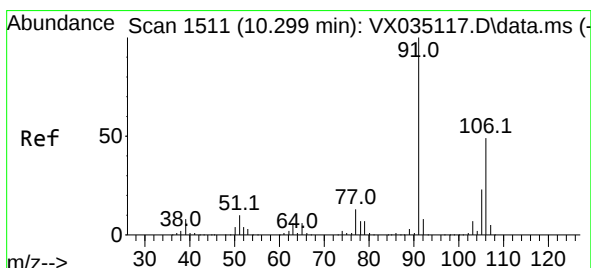
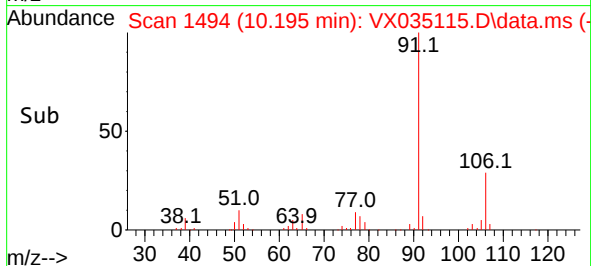
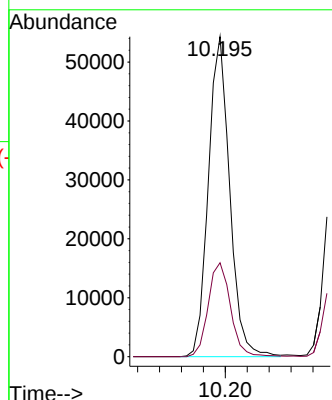
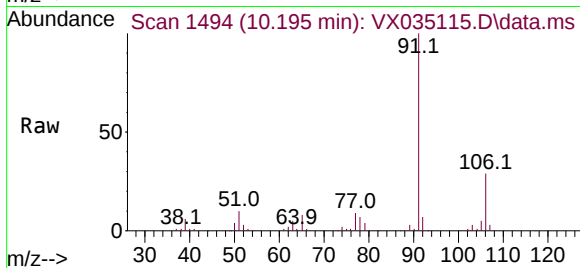




#52
Ethylbenzene
Concen: 4.430 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

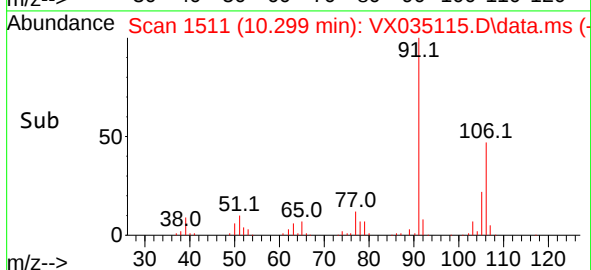
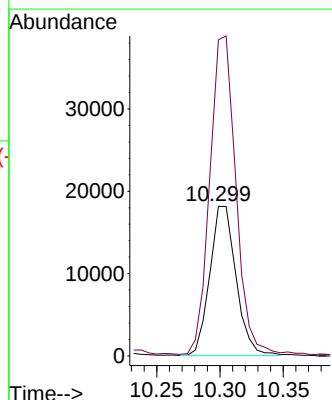
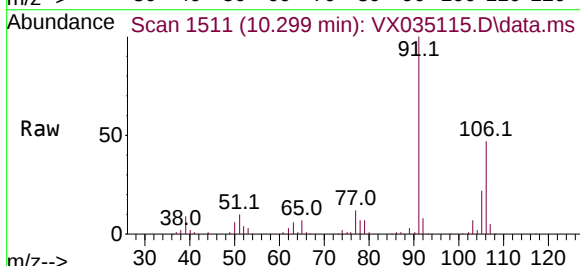
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

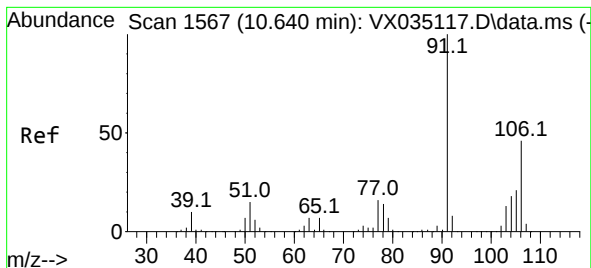
Tgt Ion: 91 Resp: 73307
Ion Ratio Lower Upper
91 100
106 29.4 22.6 42.0



#53
m,p-Xylene
Concen: 4.137 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion: 106 Resp: 26216
Ion Ratio Lower Upper
106 100
91 211.4 142.7 264.9





#54

o-Xylene

Concen: 4.240 ug/L

RT: 10.640 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

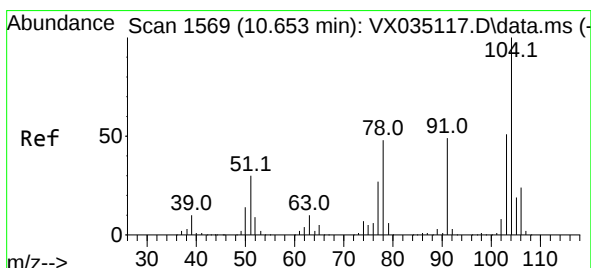
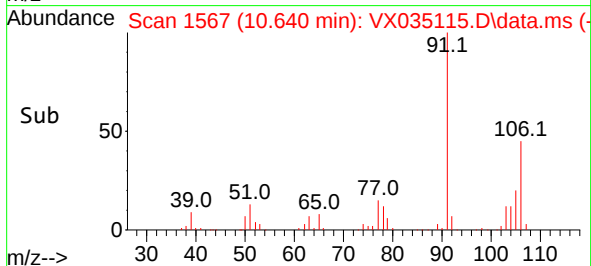
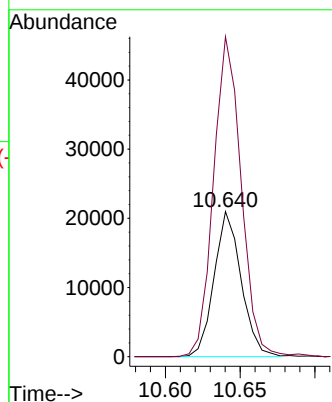
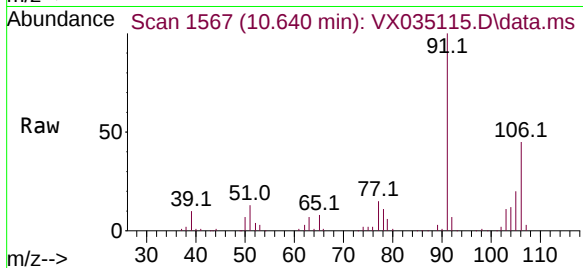
VSTD005632

Tgt Ion:106 Resp: 26419

Ion Ratio Lower Upper

106 100

91 220.5 153.9 285.7



#55

Styrene

Concen: 4.089 ug/L

RT: 10.658 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX035115.D

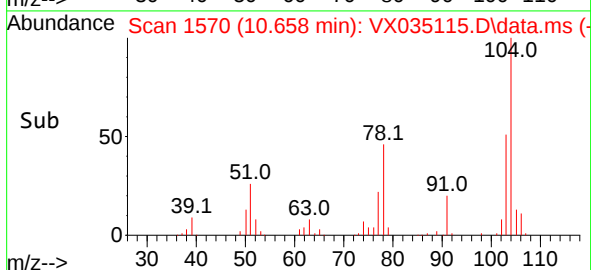
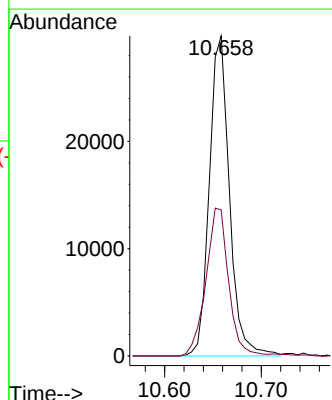
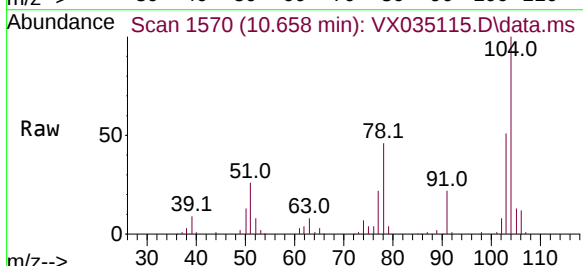
Acq: 18 Apr 2023 12:04

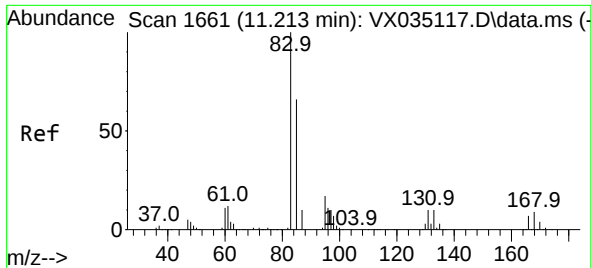
Tgt Ion:104 Resp: 43167

Ion Ratio Lower Upper

104 100

78 45.6 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.195 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

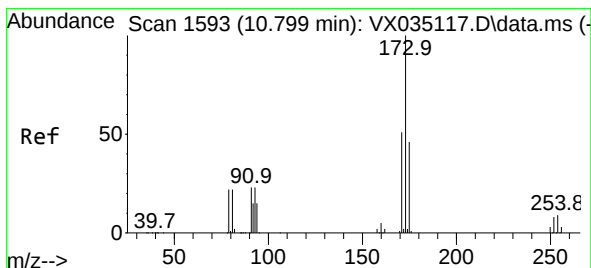
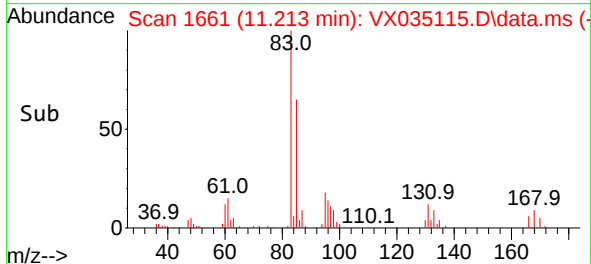
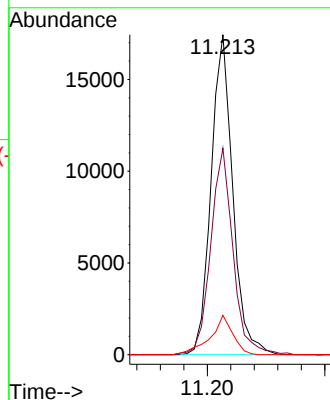
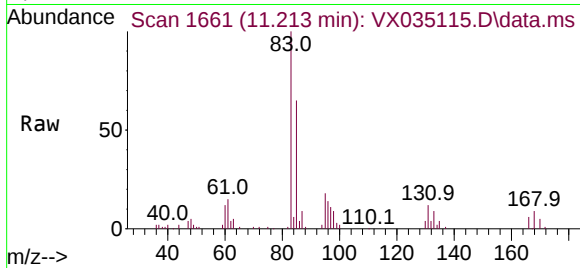
Tgt Ion: 83 Resp: 22289

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4

131 12.3 8.3 12.5



#59

Bromoform

Concen: 3.370 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

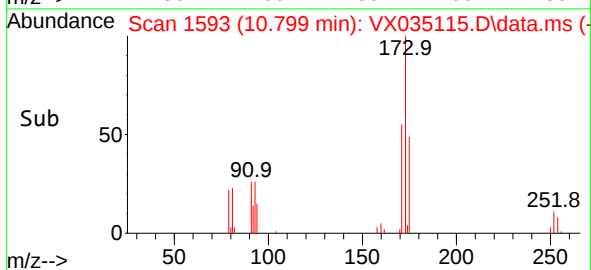
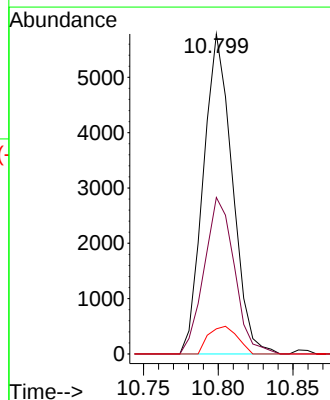
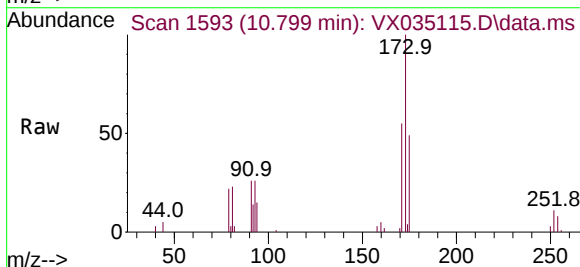
Tgt Ion:173 Resp: 7792

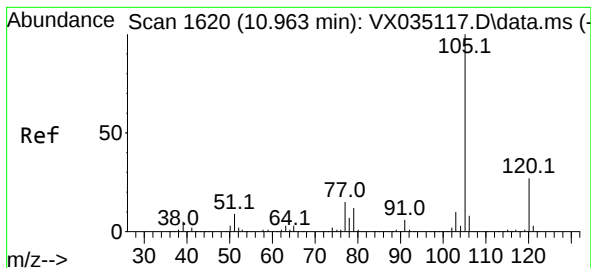
Ion Ratio Lower Upper

173 100

175 51.0 38.2 57.4

254 8.6 7.4 11.0





#60

Isopropylbenzene

Concen: 4.445 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

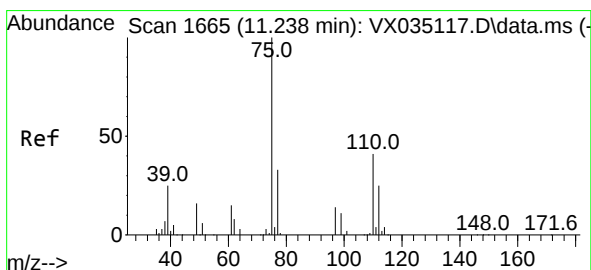
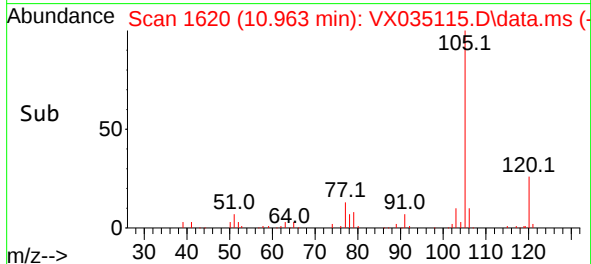
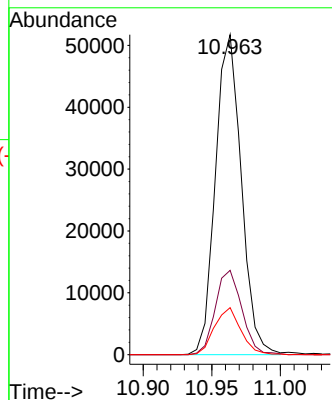
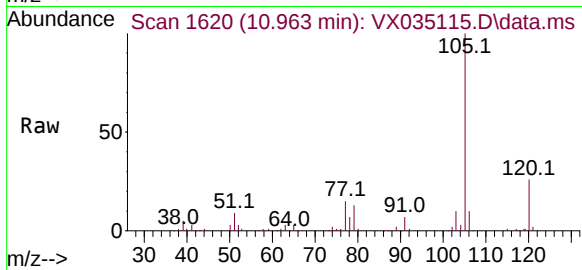
Tgt Ion:105 Resp: 67897

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

77 15.0 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.506 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

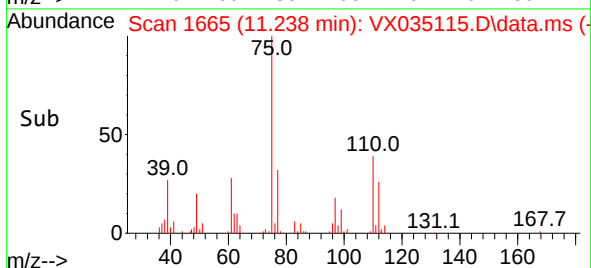
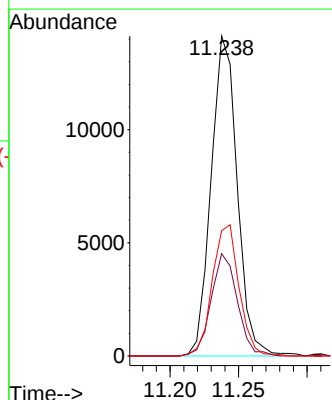
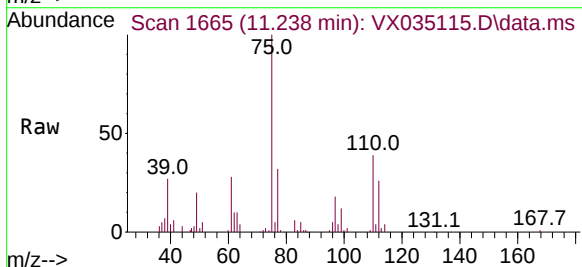
Tgt Ion: 75 Resp: 18688

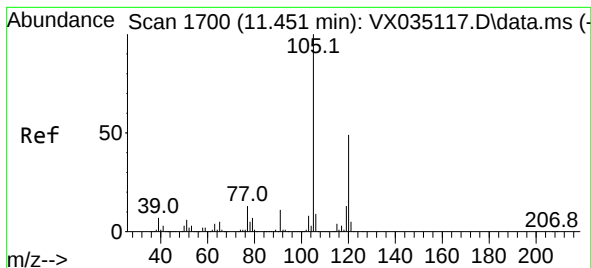
Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

110 42.0 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 4.312 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

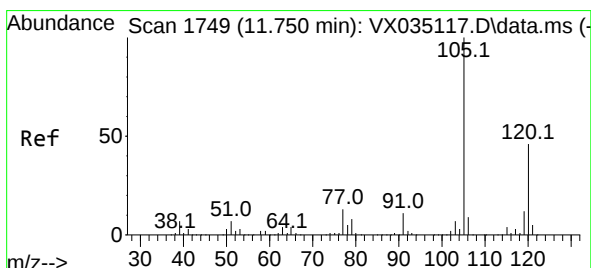
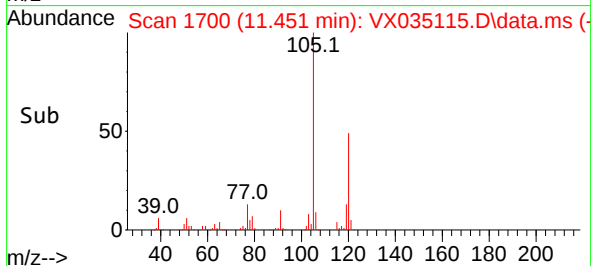
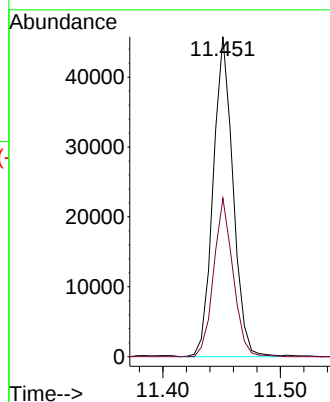
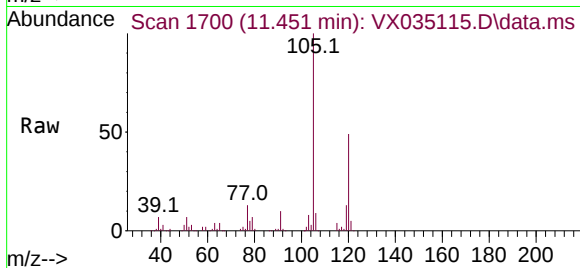
VSTD005632

Tgt Ion:105 Resp: 53861

Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 4.236 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX035115.D

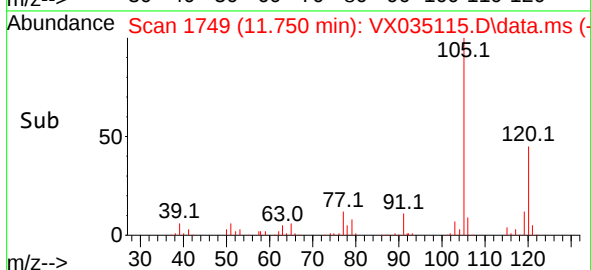
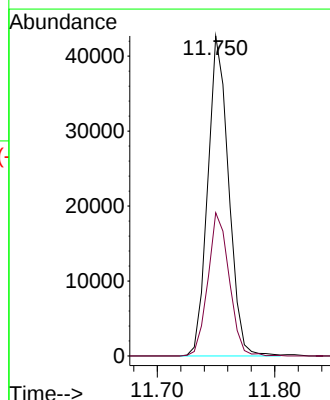
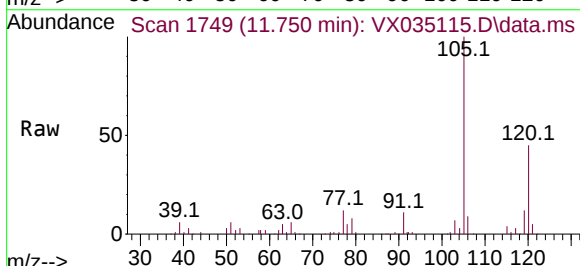
Acq: 18 Apr 2023 12:04

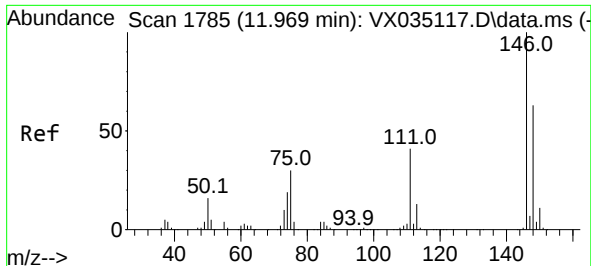
Tgt Ion:105 Resp: 52610

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0

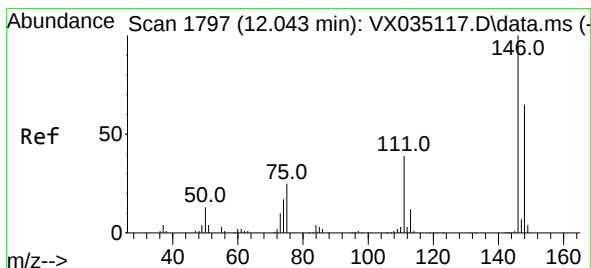
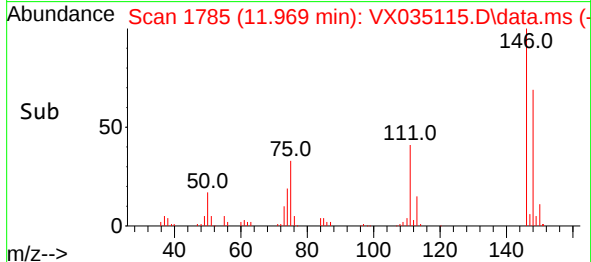
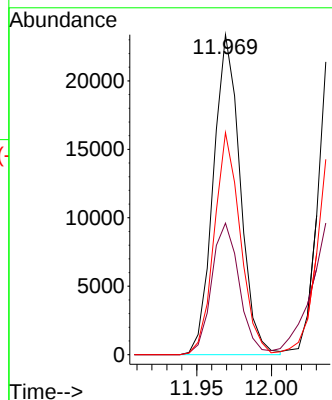
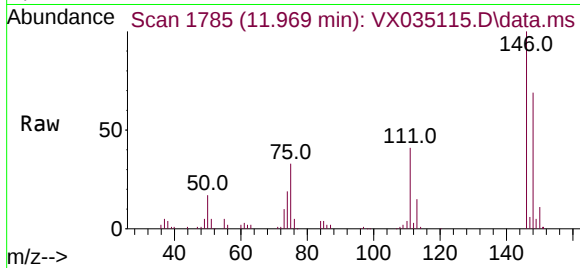




#64
1,3-Dichlorobenzene
Concen: 4.189 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

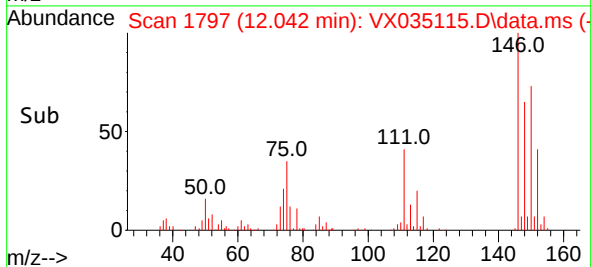
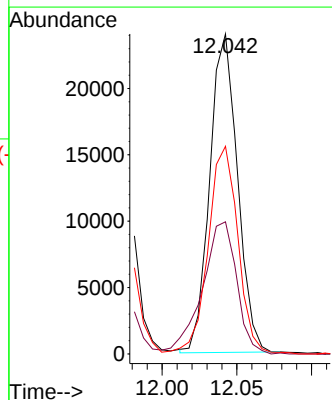
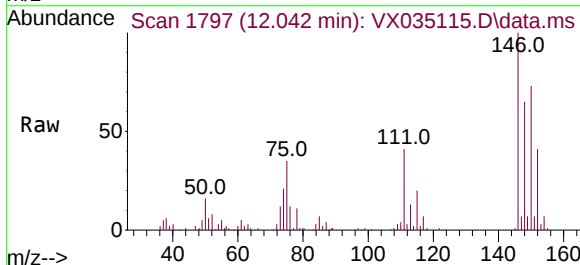
Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

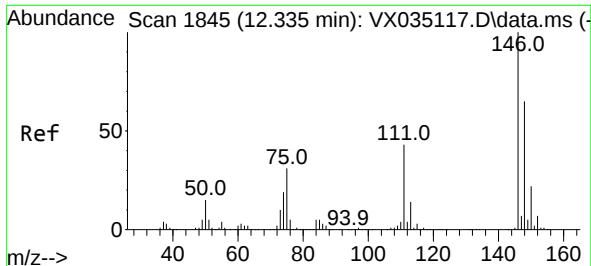
Tgt Ion:146 Resp: 29177
Ion Ratio Lower Upper
146 100
111 41.1 28.9 53.7
148 69.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.345 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion:146 Resp: 30970
Ion Ratio Lower Upper
146 100
111 41.3 27.9 51.7
148 64.9 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 4.471 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

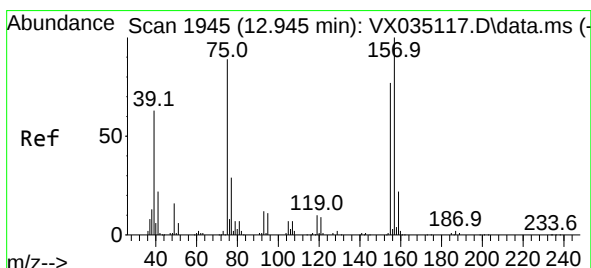
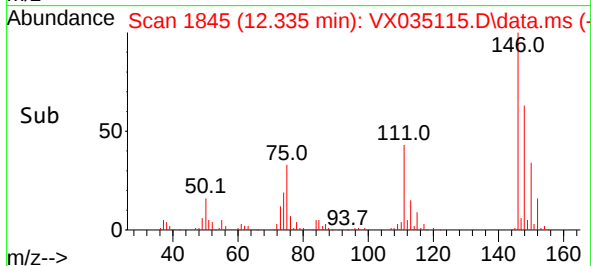
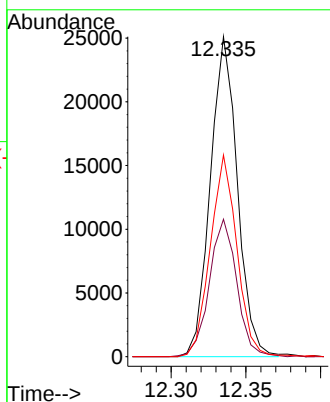
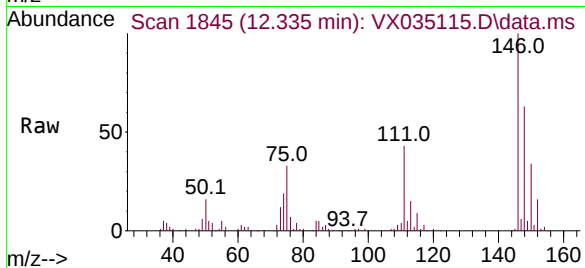
Tgt Ion:146 Resp: 31576

Ion Ratio Lower Upper

146 100

111 42.9 34.7 52.1

148 63.0 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 3.589 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

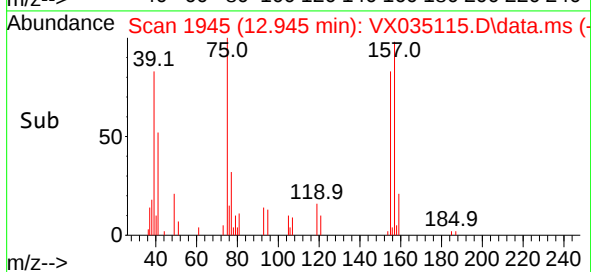
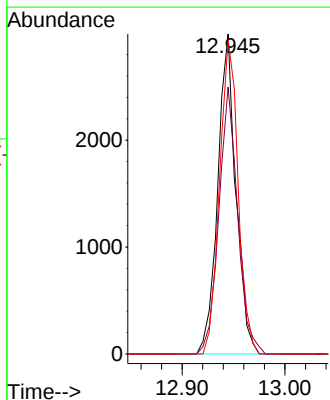
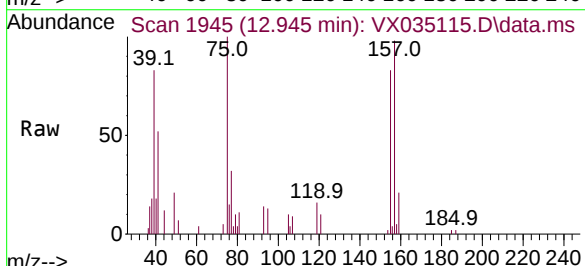
Tgt Ion: 75 Resp: 3673

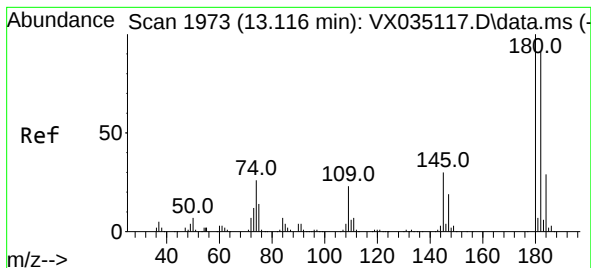
Ion Ratio Lower Upper

75 100

155 83.4 69.9 104.9

157 98.2 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 4.167 ug/L

RT: 13.115 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005632

Tgt Ion:180 Resp: 17945

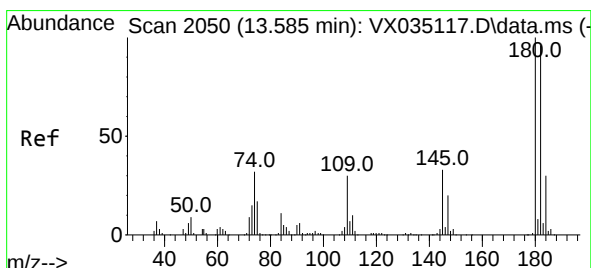
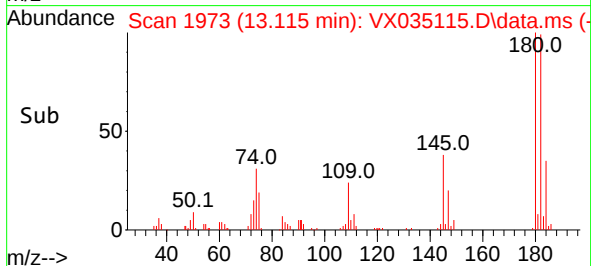
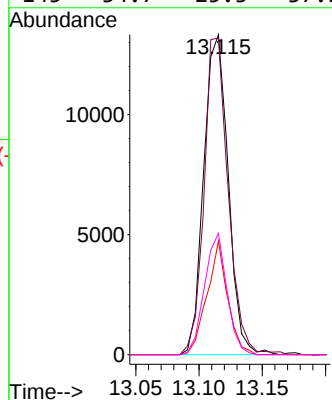
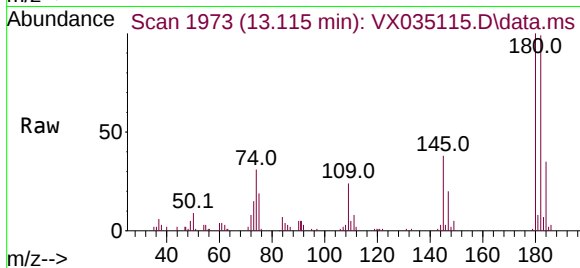
Ion Ratio Lower Upper

180 100

182 96.9 75.4 113.0

184 29.9 23.8 35.8

145 34.7 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 4.218 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035115.D

Acq: 18 Apr 2023 12:04

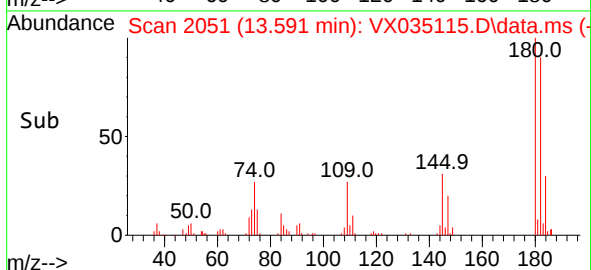
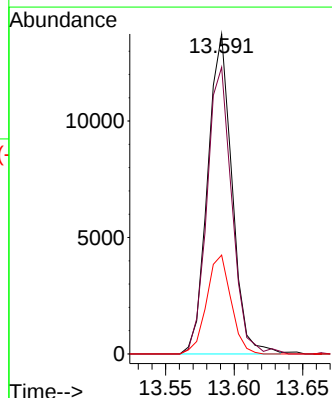
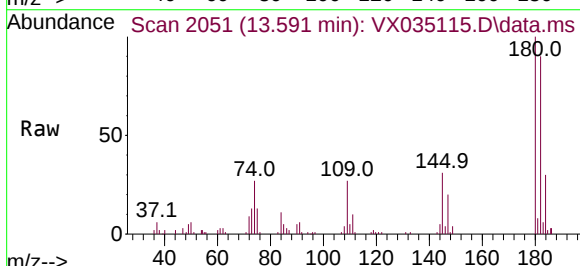
Tgt Ion:180 Resp: 17010

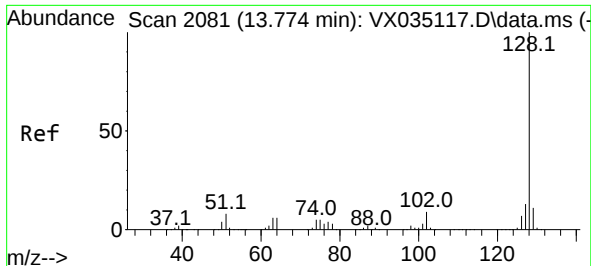
Ion Ratio Lower Upper

180 100

182 90.7 76.6 114.8

145 30.9 26.2 39.4

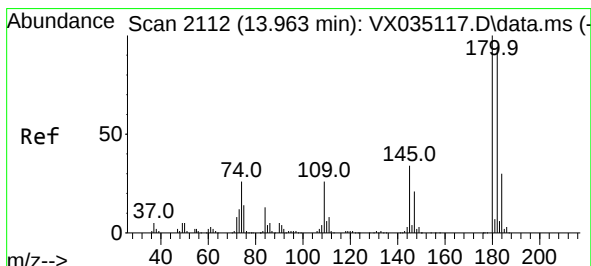
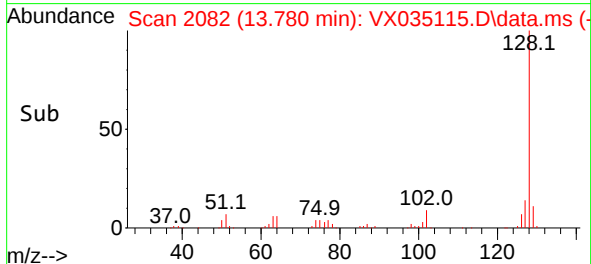
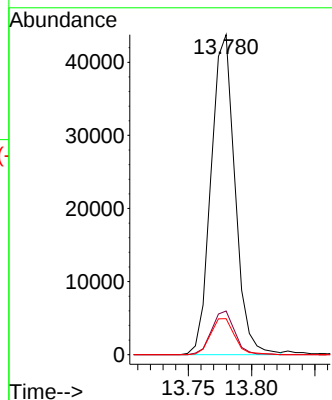
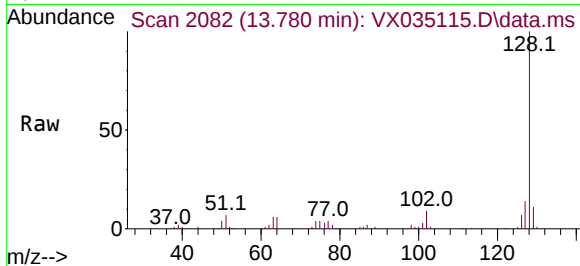




#71
Naphthalene
Concen: 4.002 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTD005632

Tgt Ion:	128	Resp:	57490
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.4	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 4.118 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX035115.D
Acq: 18 Apr 2023 12:04

Tgt Ion:	180	Resp:	16393
Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.0	112.6
145	37.0	27.1	40.7

