

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034018.D
 Acq On : 06 Feb 2023 09:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050618

Quant Time: Feb 07 03:23:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 04 03:17:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	230236	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	199200	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	110058	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	59306	38.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.360%
7) Chloroethane-d5	1.666	69	42174	45.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.620%
11) 1,1-Dichloroethene-d2	2.307	63	126163	44.904	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.800%
21) 2-Butanone-d5	4.446	46	88020	100.123	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.120%
24) Chloroform-d	5.050	84	128449	46.700	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.952	65	77345	46.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.220%
32) Benzene-d6	5.970	84	262183	45.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.840%
36) 1,2-Dichloropropane-d6	7.306	67	79865	47.309	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.620%
41) Toluene-d8	8.647	98	243684	44.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.980%
43) trans-1,3-Dichloroprop...	8.946	79	37696	49.205	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.420%
47) 2-Hexanone-d5	9.384	63	65406	103.316	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.320%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	103204	48.754	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.500%
66) 1,2-Dichlorobenzene-d4	12.317	152	104216	47.309	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83722	48.878	ug/L	100
3) Chloromethane	1.294	50	68042	43.520	ug/L	98
5) Vinyl chloride	1.374	62	71905	45.482	ug/L	100
6) Bromomethane	1.611	94	36024	43.941	ug/L	99
8) Chloroethane	1.691	64	39573	47.086	ug/L	98
9) Trichlorofluoromethane	1.892	101	111903	49.939	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	79413	51.247	ug/L	98
12) 1,1-Dichloroethene	2.319	96	68869	48.583	ug/L	90
13) Acetone	2.380	43	100196	110.782	ug/L	98
14) Carbon disulfide	2.514	76	196185	51.133	ug/L	100
15) Methyl Acetate	2.697	43	72137	50.063	ug/L	99
16) Methylene chloride	2.788	84	73477	48.948	ug/L	95
17) trans-1,2-Dichloroethene	3.093	96	73257	50.062	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	222585	52.242	ug/L	100
19) 1,1-Dichloroethane	3.605	63	129429	50.680	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	84118	50.301	ug/L	97
22) 2-Butanone	4.544	43	123224	109.655	ug/L	99
23) Bromochloromethane	4.898	128	46371	50.512	ug/L	97
25) Chloroform	5.093	83	136158	51.629	ug/L	98

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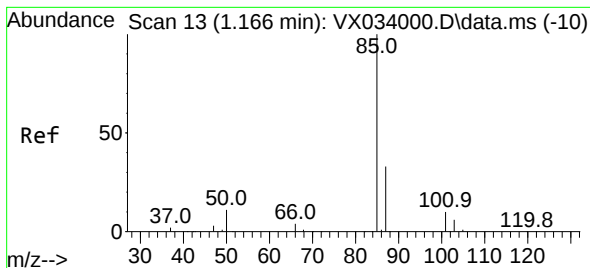
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	102801	50.788	ug/L	99
29) Cyclohexane	5.464	56	124698	51.182	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	117658	52.257	ug/L	99
31) Carbon tetrachloride	5.678	117	109943	52.486	ug/L	99
33) Benzene	6.031	78	297787	50.272	ug/L	100
34) Trichloroethene	7.123	95	81664	50.869	ug/L	98
35) Methylcyclohexane	7.379	83	133558	52.174	ug/L	99
37) 1,2-Dichloropropane	7.428	63	76608	50.778	ug/L	100
38) Bromodichloromethane	7.818	83	101396	52.855	ug/L	97
39) cis-1,3-Dichloropropene	8.360	75	123419	53.297	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	194536	104.780	ug/L	99
42) Toluene	8.714	91	321318	50.710	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	112137	54.420	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	77878	50.994	ug/L	99
46) Tetrachloroethene	9.275	164	78471	50.911	ug/L	99
48) 2-Hexanone	9.427	43	164301	111.045	ug/L	100
49) Dibromochloromethane	9.519	129	88962	53.988	ug/L	100
50) 1,2-Dibromoethane	9.610	107	84923	51.745	ug/L #	96
51) Chlorobenzene	10.079	112	219169	51.198	ug/L	98
52) Ethylbenzene	10.189	91	360249	51.734	ug/L	99
53) m,p-Xylene	10.299	106	143662	51.396	ug/L	99
54) o-Xylene	10.640	106	137684	50.985	ug/L	96
55) Styrene	10.653	104	236641	52.234	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	110670	51.547	ug/L	97
59) Bromoform	10.799	173	73041	54.532	ug/L	99
60) Isopropylbenzene	10.963	105	373224	51.908	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	83011	49.683	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	312111	53.032	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	304419	52.477	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	185100	51.772	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	184138	50.889	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	177454	50.759	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	22000	53.744	ug/L	86
69) 1,3,5-Trichlorobenzene	13.109	180	141550	52.498	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	130663	53.382	ug/L	100
71) Naphthalene	13.774	128	364410	53.777	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	127955	52.955	ug/L	99

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

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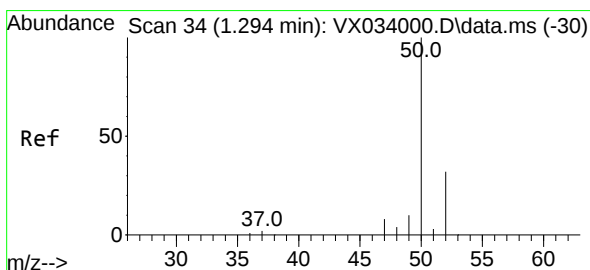
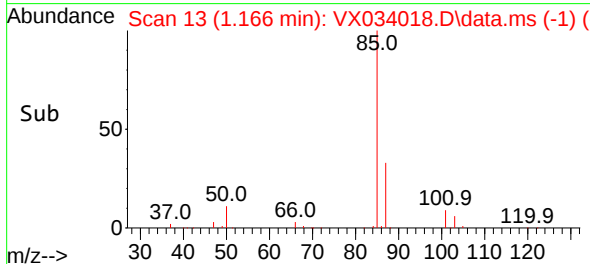
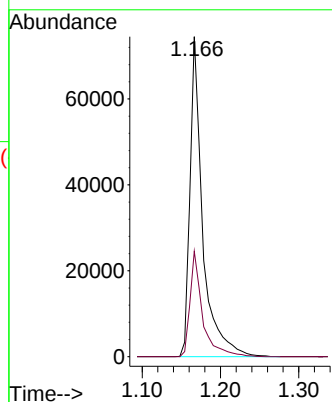
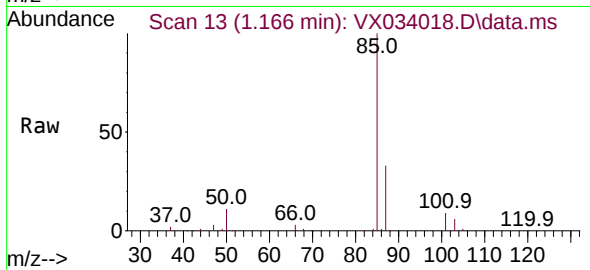




#2
 Dichlorodifluoromethane
 Concen: 48.878 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

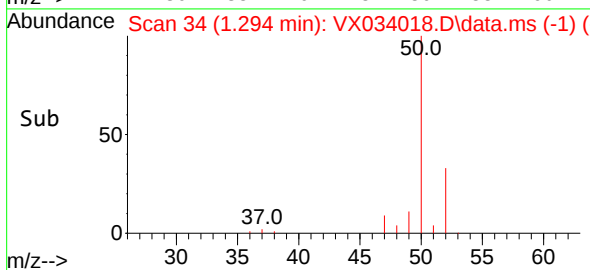
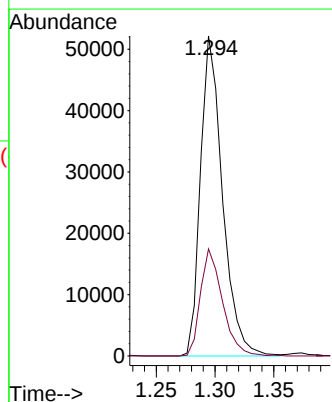
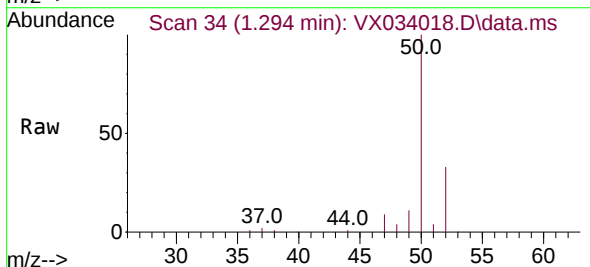
Instrument :
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 VSTD050618

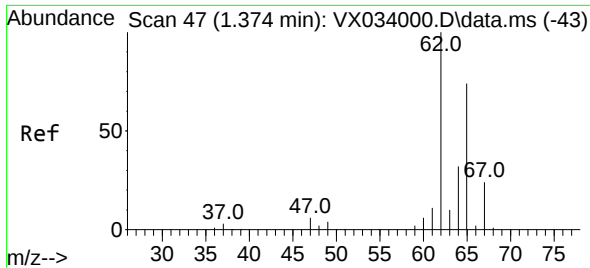
Tgt Ion: 85 Resp: 83722
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 43.520 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

Tgt Ion: 50 Resp: 68042
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.5 41.7

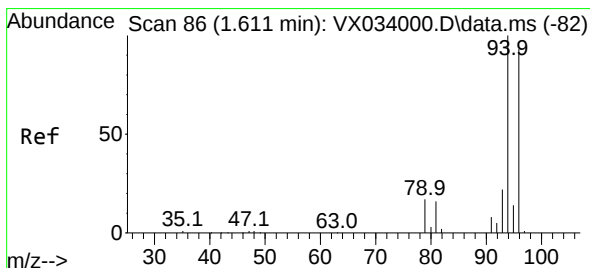
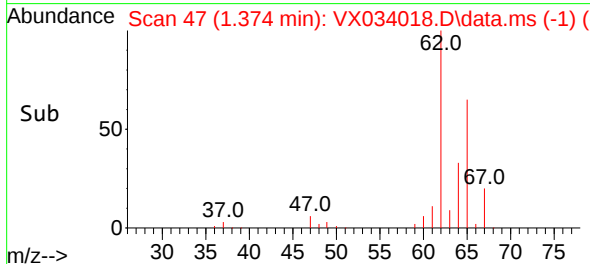
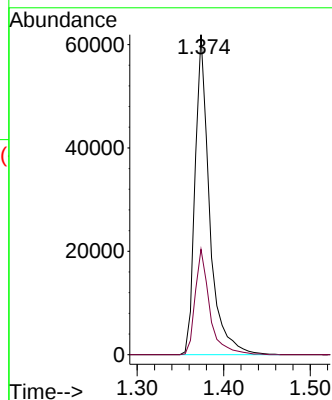
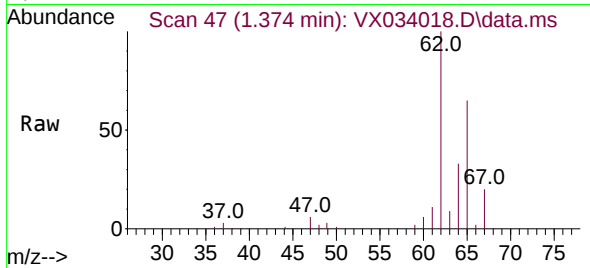




#5
 Vinyl chloride
 Concen: 45.482 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

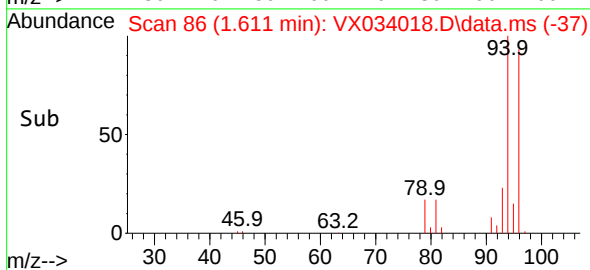
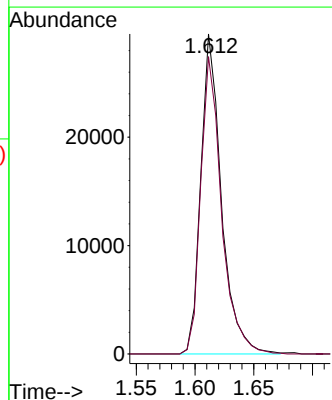
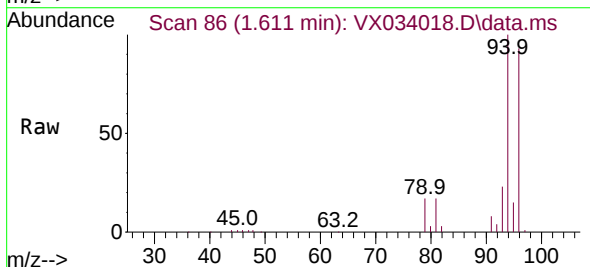
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 ClientSampleId :
 VSTD050618

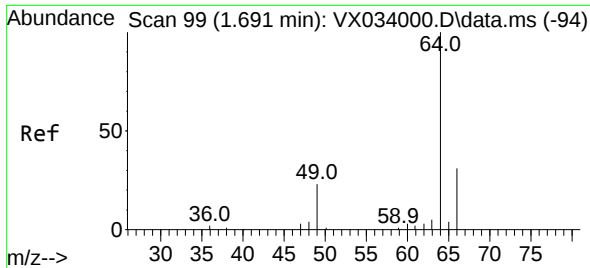
Tgt Ion: 62 Resp: 71905
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 43.941 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

Tgt Ion: 94 Resp: 36024
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.7 122.1

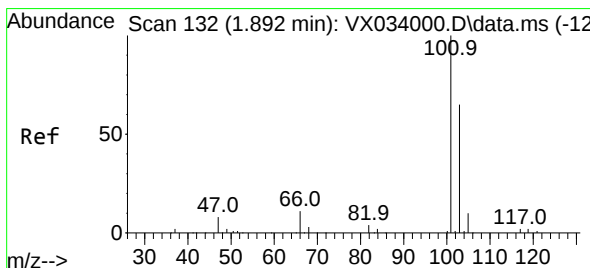
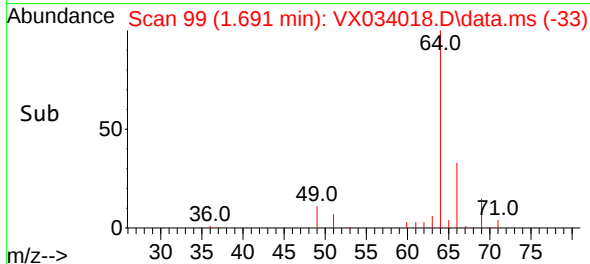
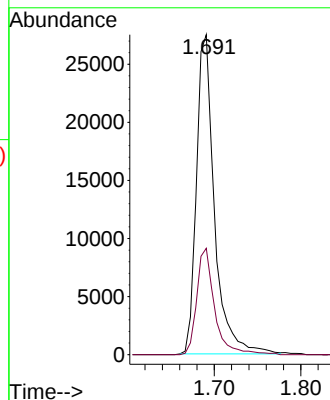
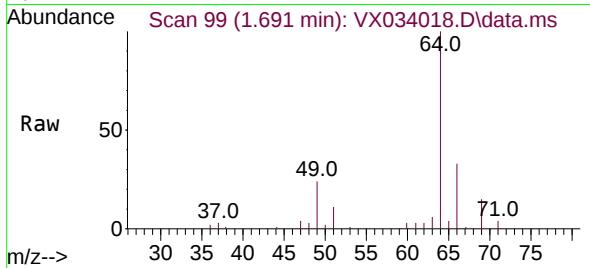




#8
 Chloroethane
 Concen: 47.086 ug/L
 RT: 1.691 min Scan# 99
 Delta R.T. -0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

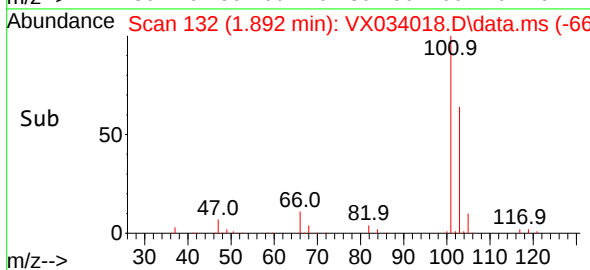
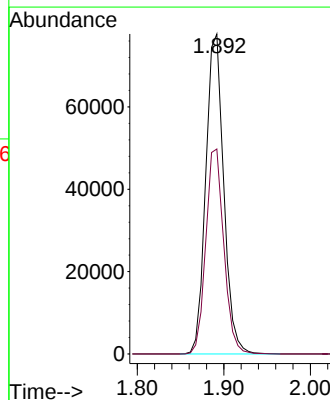
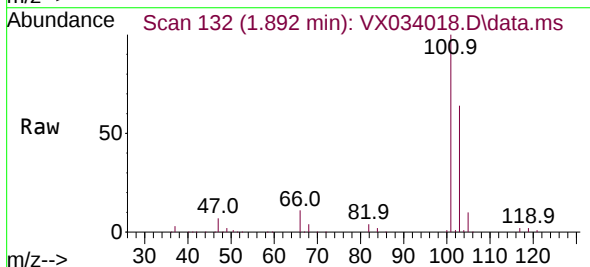
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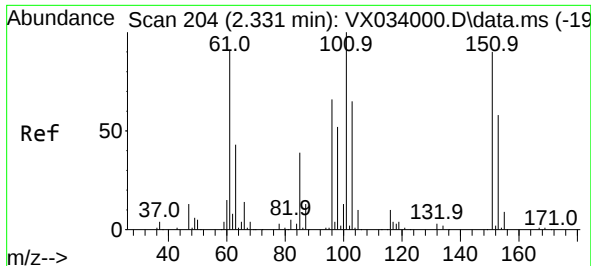
Tgt Ion: 64 Resp: 39573
 Ion Ratio Lower Upper
 64 100
 66 33.2 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 49.939 ug/L
 RT: 1.892 min Scan# 132
 Delta R.T. -0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

Tgt Ion: 101 Resp: 111903
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 78.8

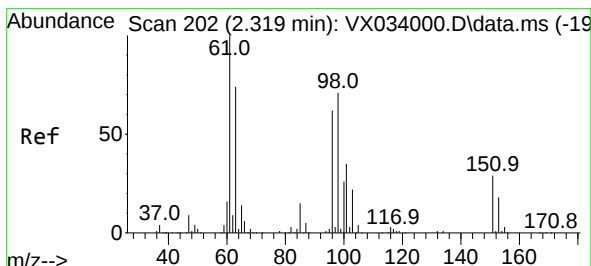
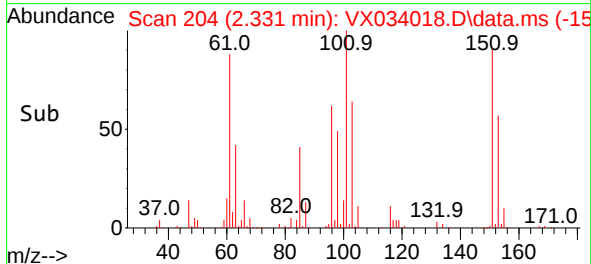
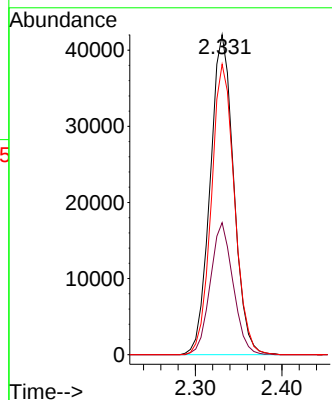
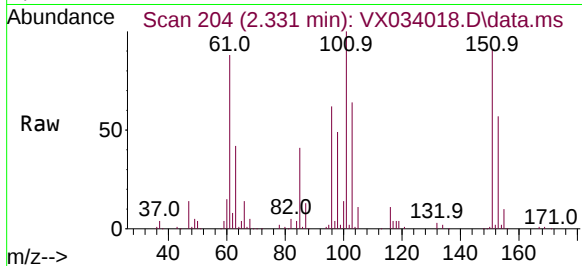




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.247 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

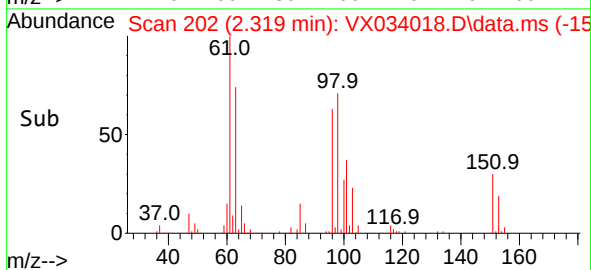
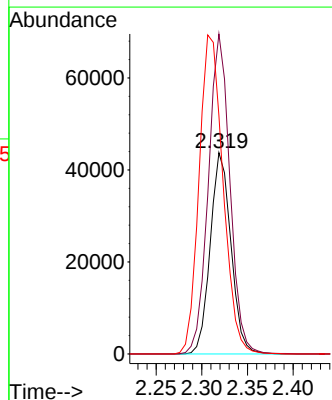
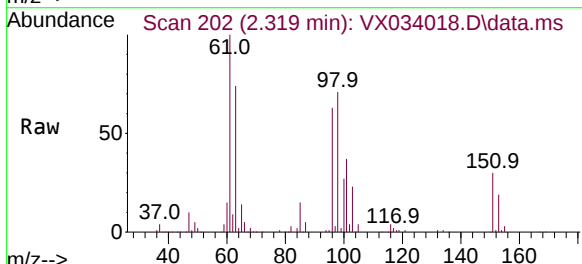
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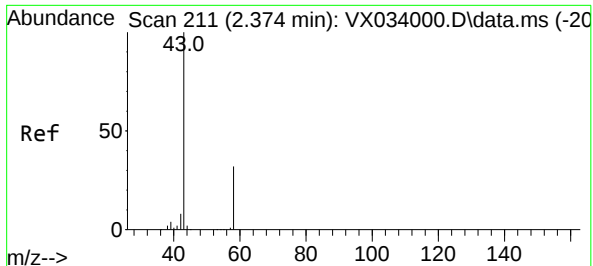
Tgt Ion:101 Resp: 79413
 Ion Ratio Lower Upper
 101 100
 85 39.9 32.2 48.4
 151 89.1 69.3 103.9



#12
 1,1-Dichloroethene
 Concen: 48.583 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX034018.D
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Tgt Ion: 96 Resp: 68869
 Ion Ratio Lower Upper
 96 100
 61 159.0 107.6 199.8
 63 118.4 69.6 129.2





#13

Acetone

Concen: 110.782 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

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MSVOA_X

ClientSampleId :

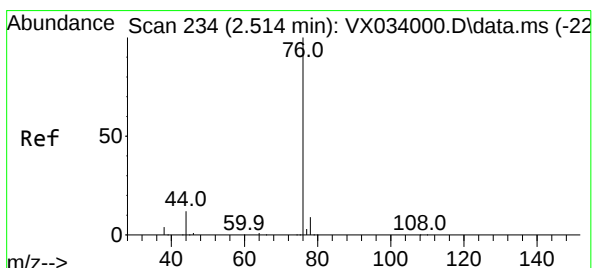
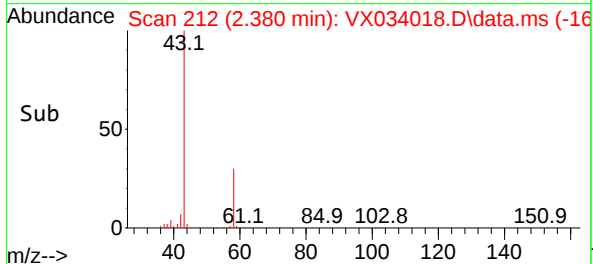
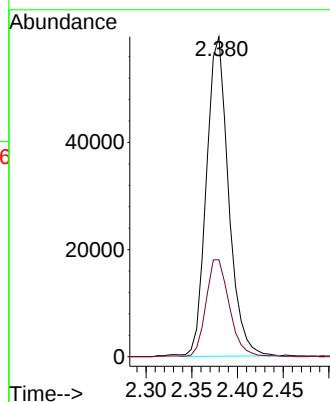
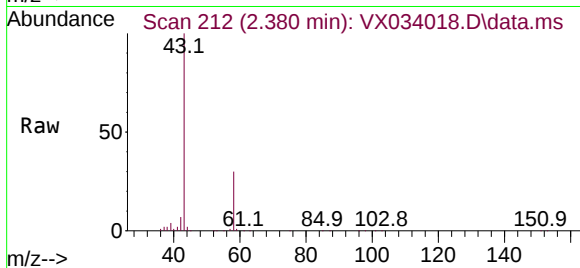
VSTD050618

Tgt Ion: 43 Resp: 100196

Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.8



#14

Carbon disulfide

Concen: 51.133 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX034018.D

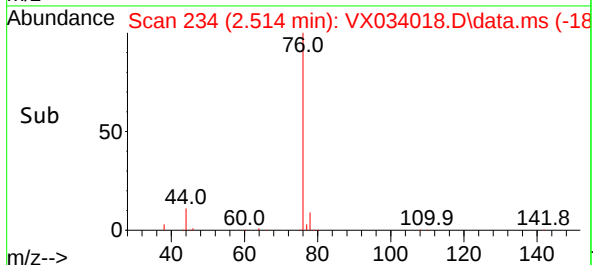
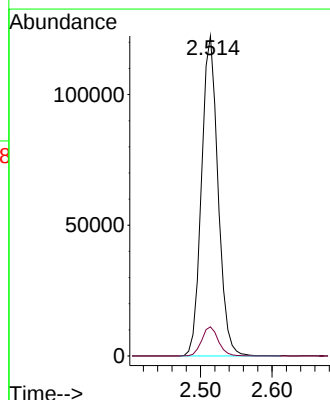
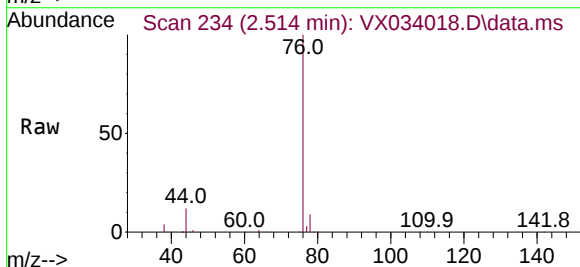
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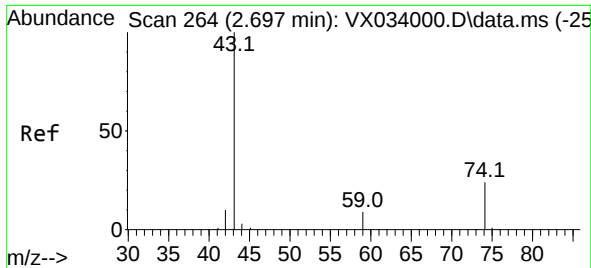
Tgt Ion: 76 Resp: 196185

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

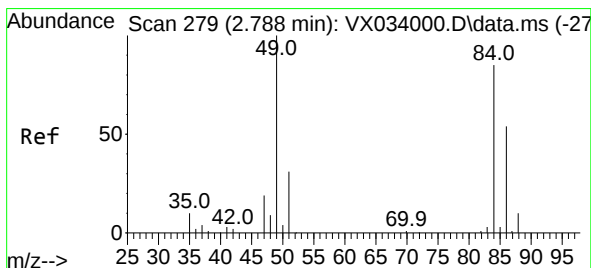
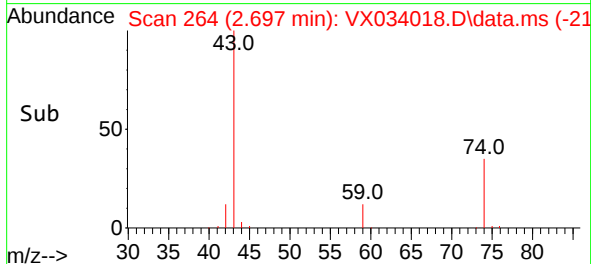
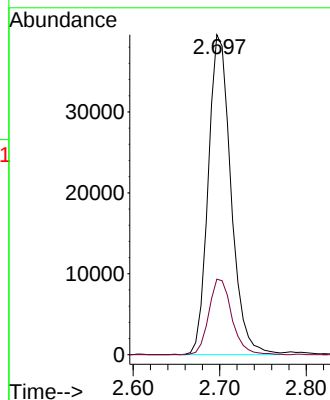
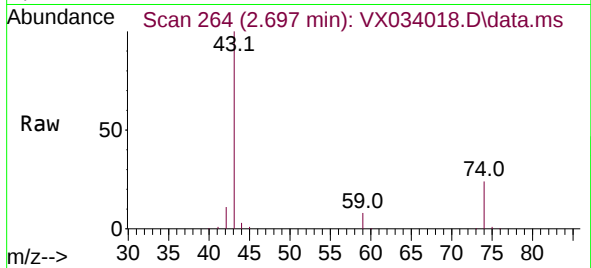




#15
Methyl Acetate
Concen: 50.063 ug/L
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

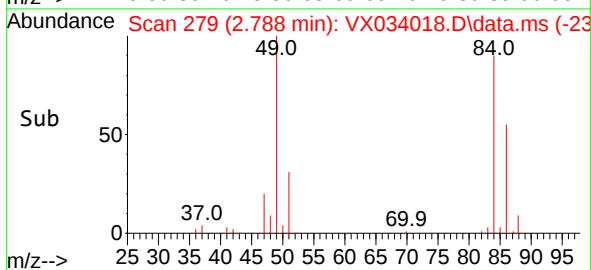
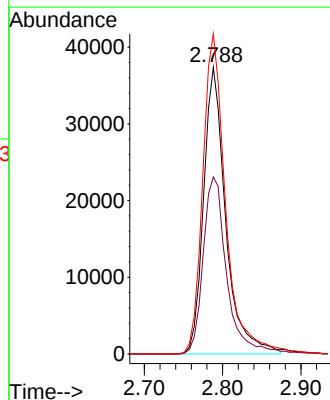
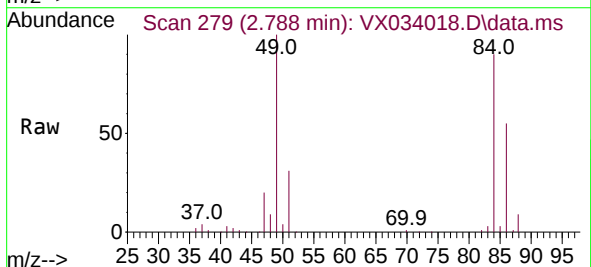
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

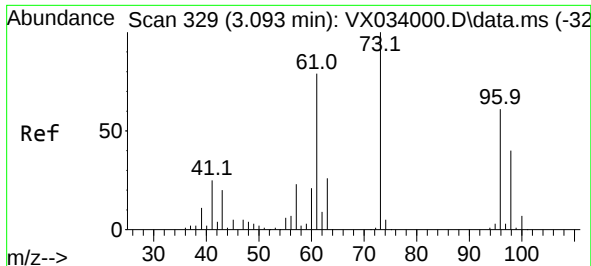
Tgt Ion: 43 Resp: 72137
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5



#16
Methylene chloride
Concen: 48.948 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 84 Resp: 73477
Ion Ratio Lower Upper
84 100
86 61.8 45.2 84.0
49 111.6 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 50.062 ug/L

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

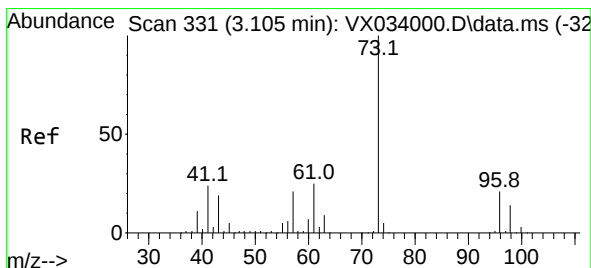
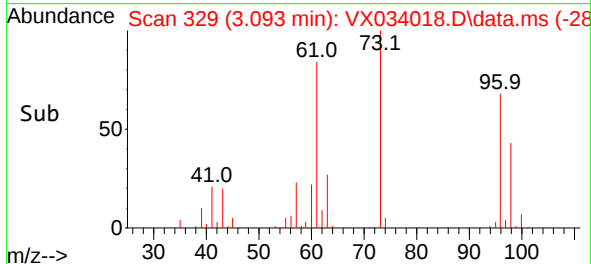
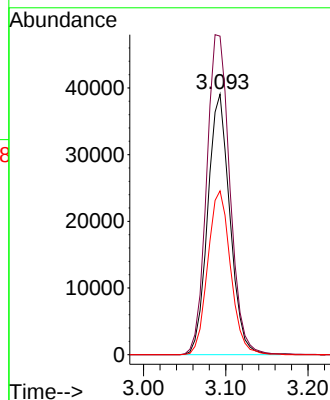
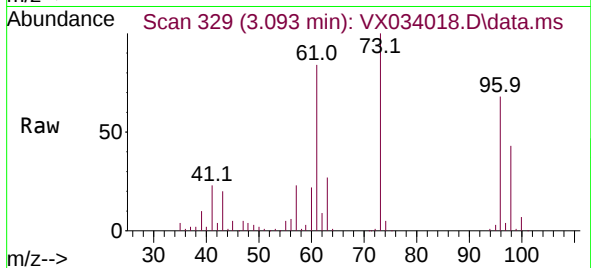
Tgt Ion: 96 Resp: 73257

Ion Ratio Lower Upper

96 100

61 122.3 87.7 162.9

98 62.9 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 52.242 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

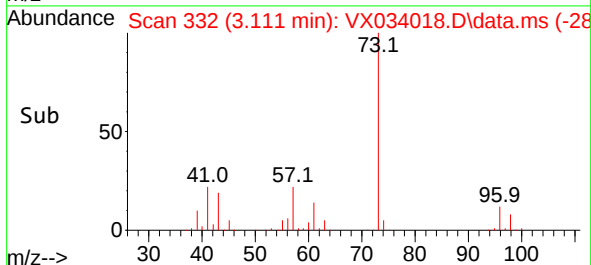
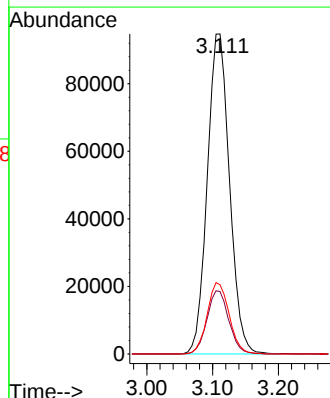
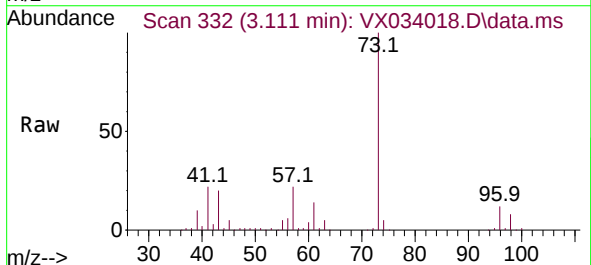
Tgt Ion: 73 Resp: 222585

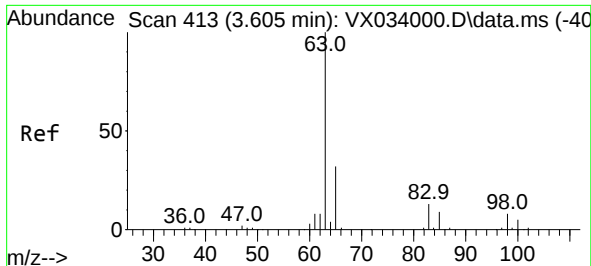
Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 50.680 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

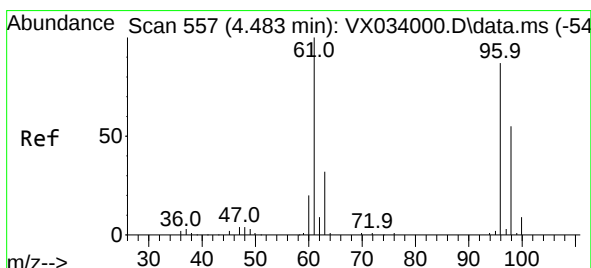
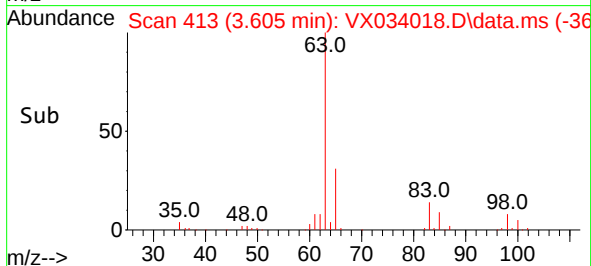
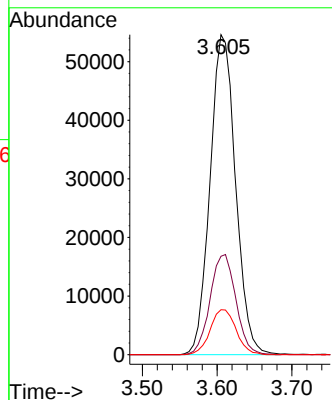
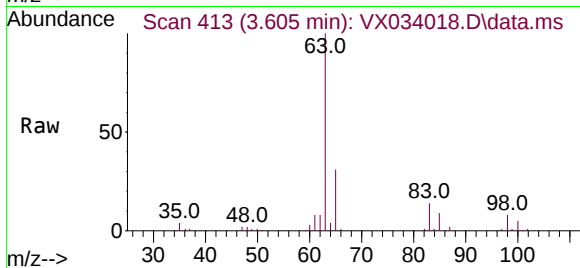
Tgt Ion: 63 Resp: 129429

Ion Ratio Lower Upper

63 100

65 30.7 21.9 40.7

83 14.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 50.301 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

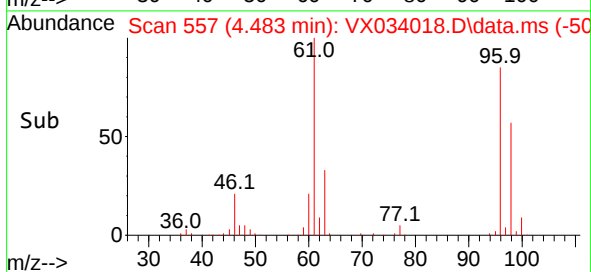
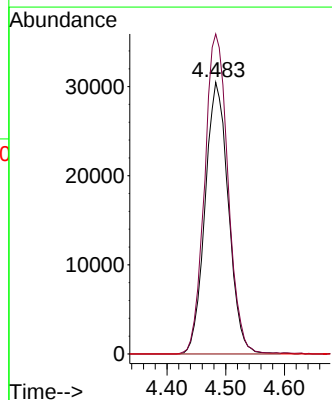
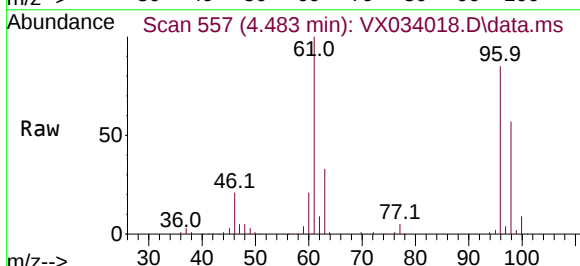
Tgt Ion: 96 Resp: 84118

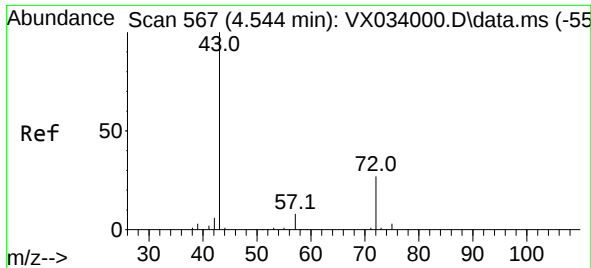
Ion Ratio Lower Upper

96 100

61 117.8 80.3 149.1

68 0.0 0.0 0.0

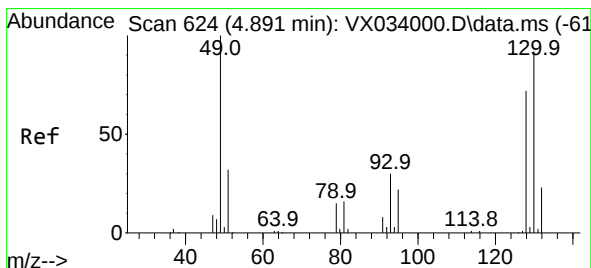
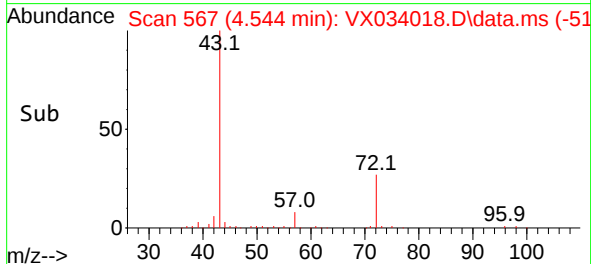
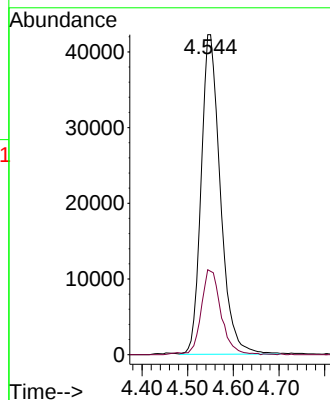
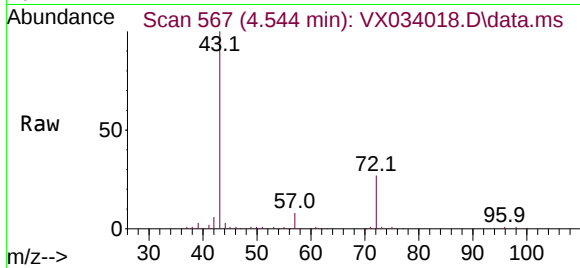




#22
2-Butanone
Concen: 109.655 ug/L
RT: 4.544 min Scan# 567
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

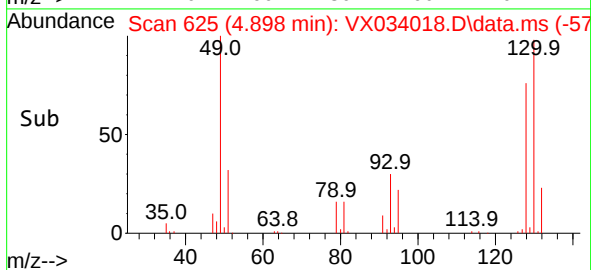
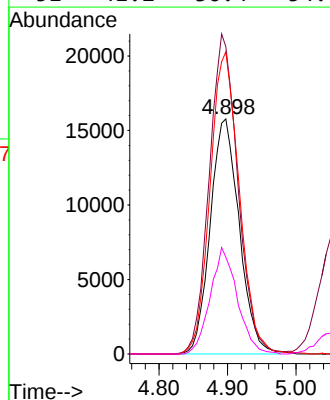
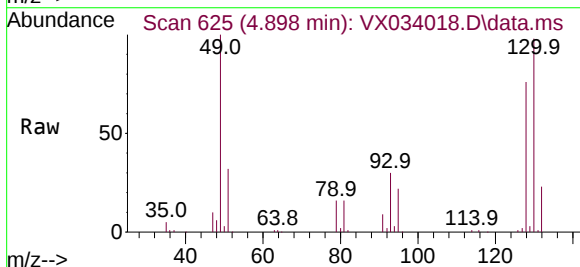
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

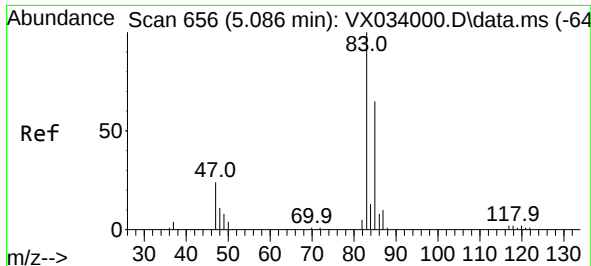
Tgt Ion: 43 Resp: 123224
Ion Ratio Lower Upper
43 100
72 26.9 13.2 39.6



#23
Bromochloromethane
Concen: 50.512 ug/L
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 128 Resp: 46371
Ion Ratio Lower Upper
128 100
49 130.7 94.7 175.9
130 128.5 91.3 169.6
51 41.2 36.4 54.6





#25

Chloroform

Concen: 51.629 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

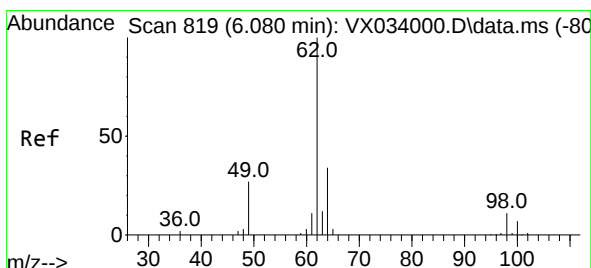
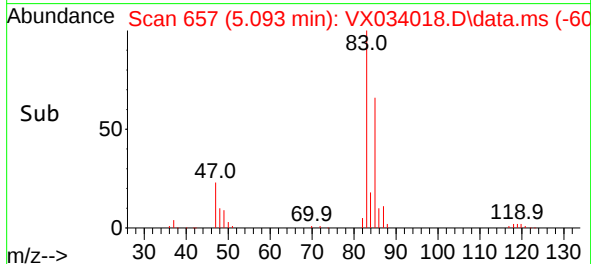
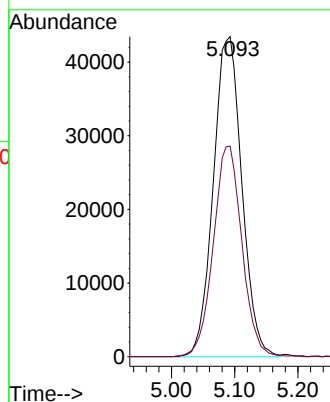
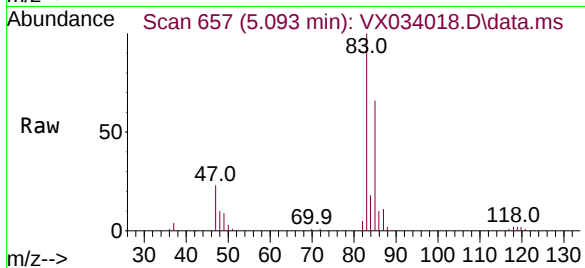
VSTD050618

Tgt Ion: 83 Resp: 136158

Ion Ratio Lower Upper

83 100

85 65.8 47.0 87.4



#27

1,2-Dichloroethane

Concen: 50.788 ug/L

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX034018.D

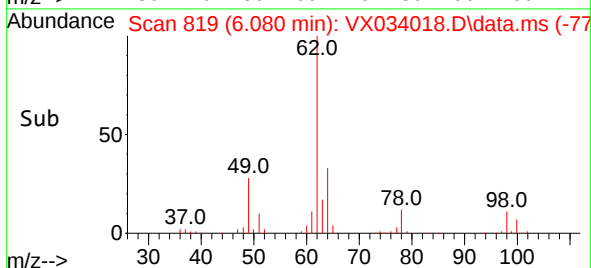
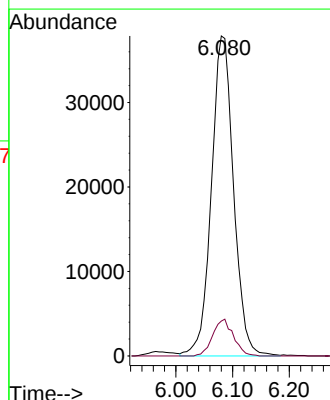
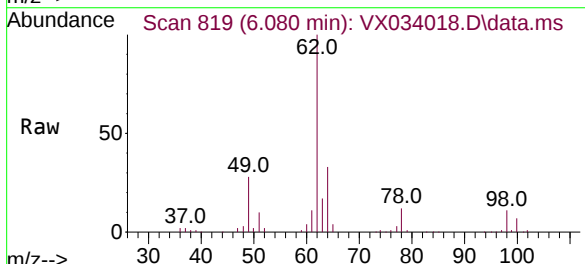
Acq: 06 Feb 2023 09:30

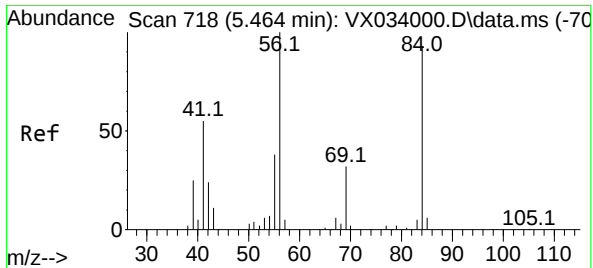
Tgt Ion: 62 Resp: 102801

Ion Ratio Lower Upper

62 100

98 10.9 9.1 13.7

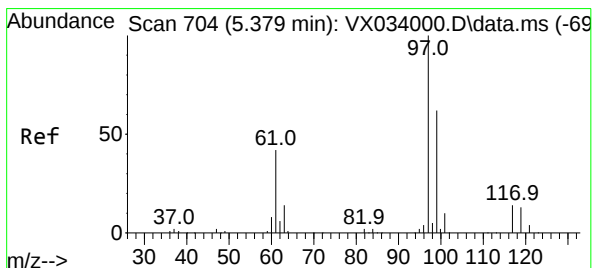
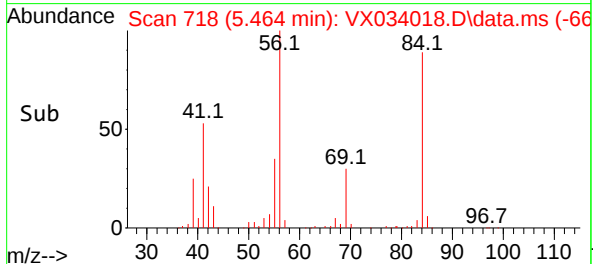
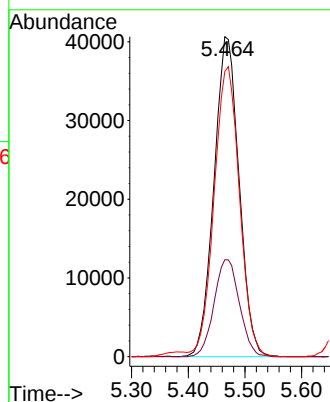
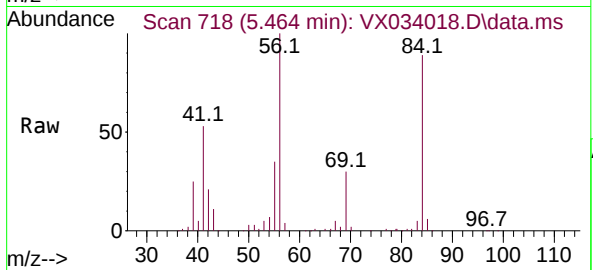




#29
Cyclohexane
Concen: 51.182 ug/L
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

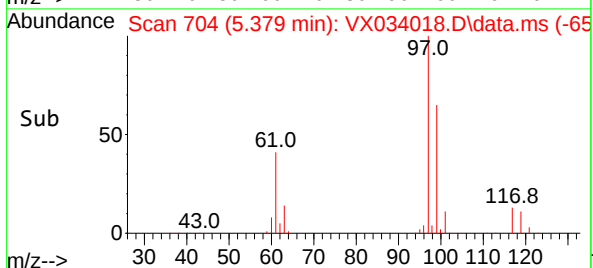
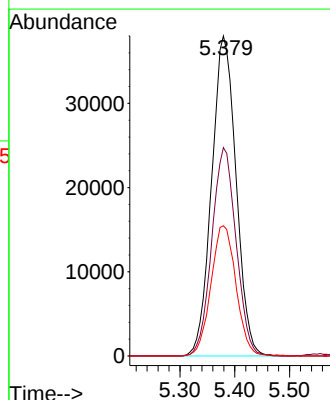
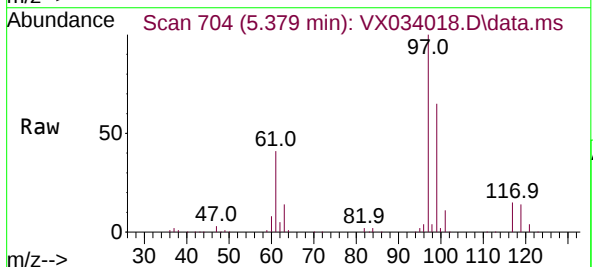
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

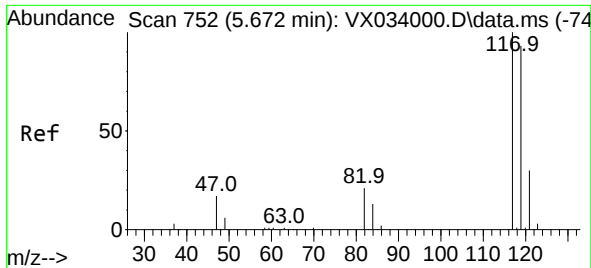
Tgt Ion: 56 Resp: 124698
Ion Ratio Lower Upper
56 100
69 30.7 24.8 37.2
84 91.9 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 52.257 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 97 Resp: 117658
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.8
61 41.8 34.7 52.1

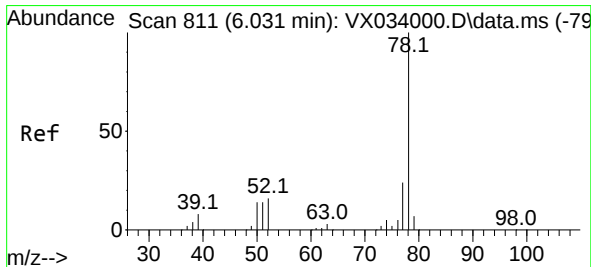
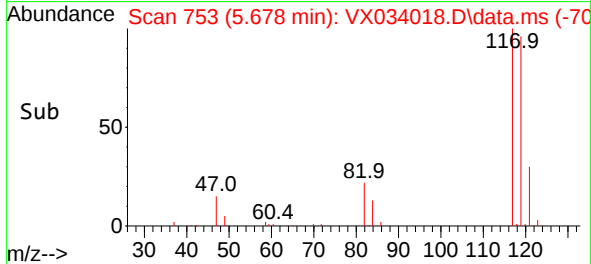
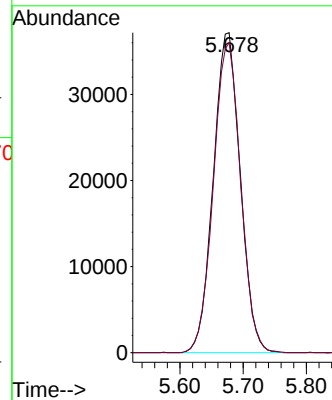
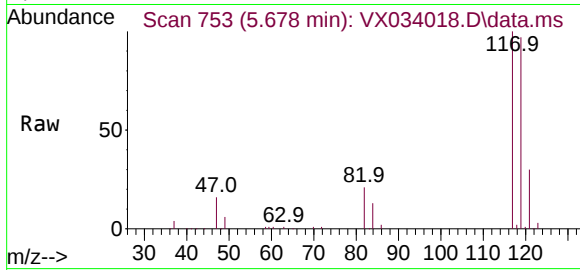




#31
Carbon tetrachloride
Concen: 52.486 ug/L
RT: 5.678 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

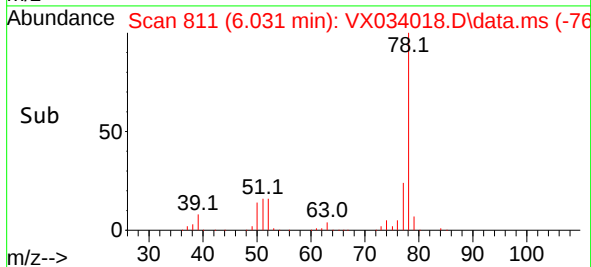
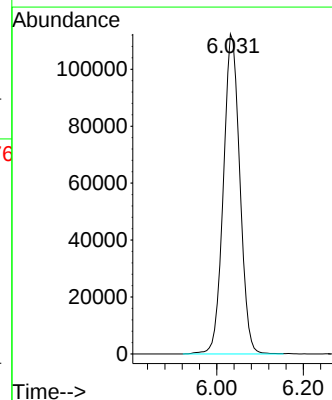
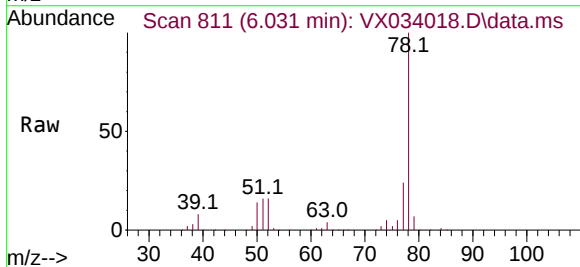
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

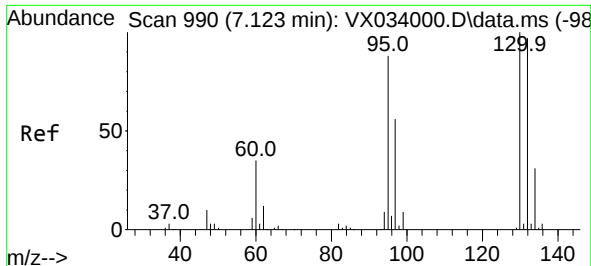
Tgt Ion:117 Resp: 109943
Ion Ratio Lower Upper
117 100
119 97.9 77.1 115.7



#33
Benzene
Concen: 50.272 ug/L
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 78 Resp: 297787

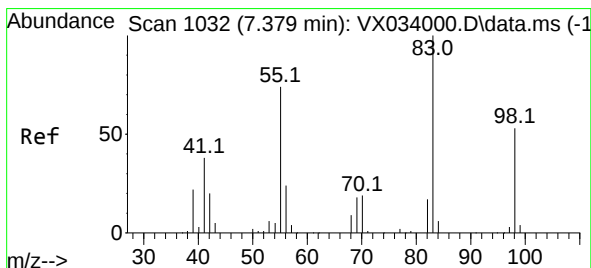
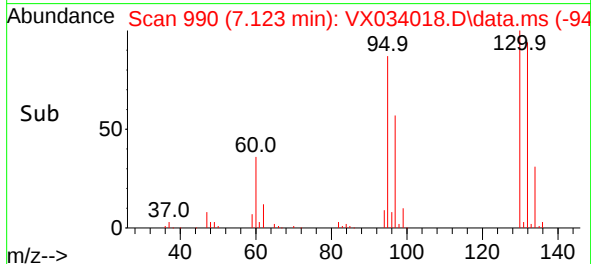
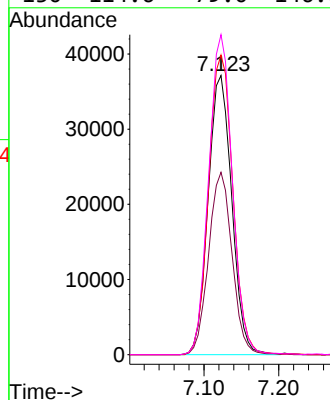
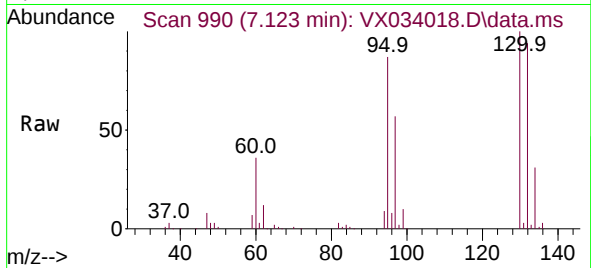




#34
Trichloroethene
Concen: 50.869 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

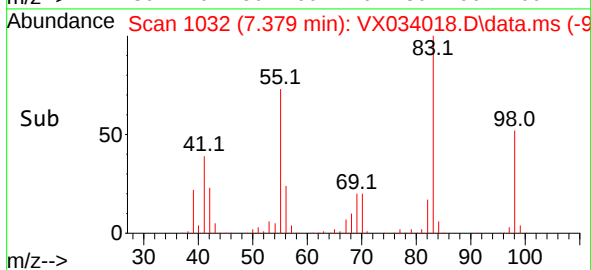
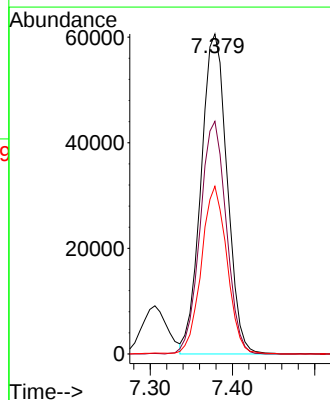
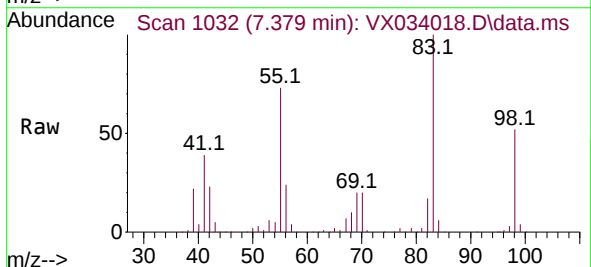
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

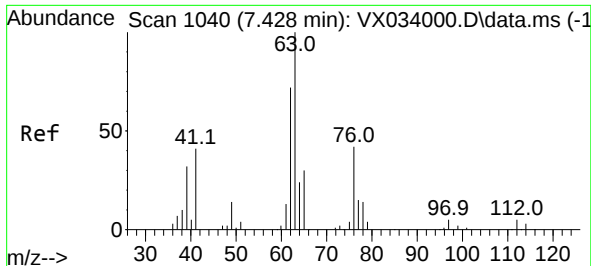
Tgt Ion: 95 Resp: 81664
Ion Ratio Lower Upper
95 100
97 65.3 46.8 87.0
132 107.4 76.2 141.4
130 114.6 79.0 146.6



#35
Methylcyclohexane
Concen: 52.174 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 83 Resp: 133558
Ion Ratio Lower Upper
83 100
55 72.8 59.0 88.4
98 51.5 40.6 60.8





#37

1,2-Dichloropropane

Concen: 50.778 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

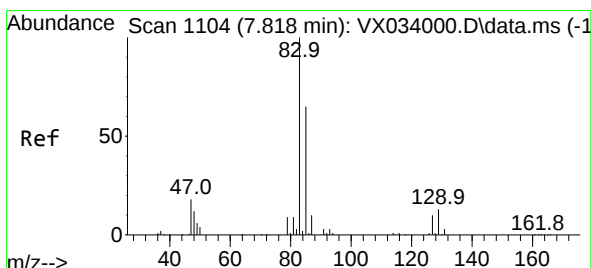
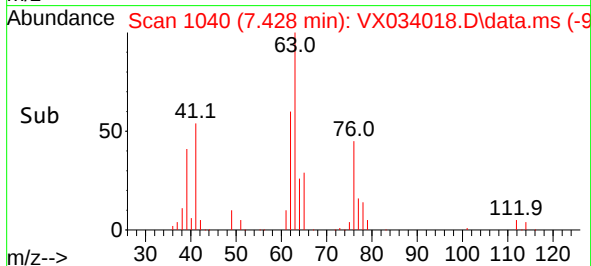
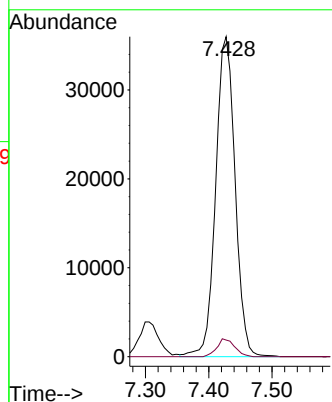
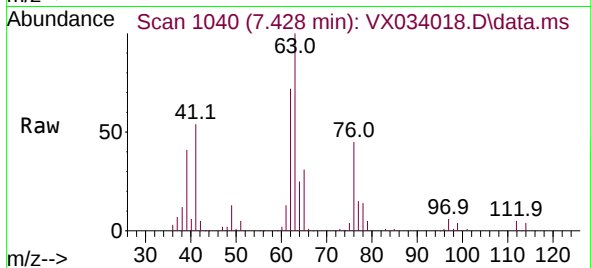
VSTD050618

Tgt Ion: 63 Resp: 76608

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 52.855 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

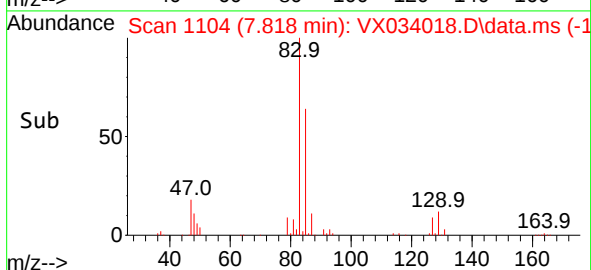
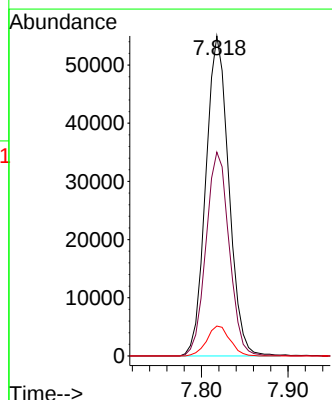
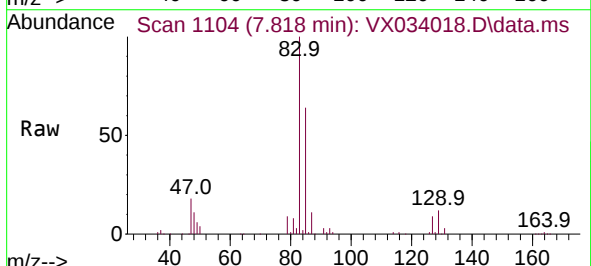
Tgt Ion: 83 Resp: 101396

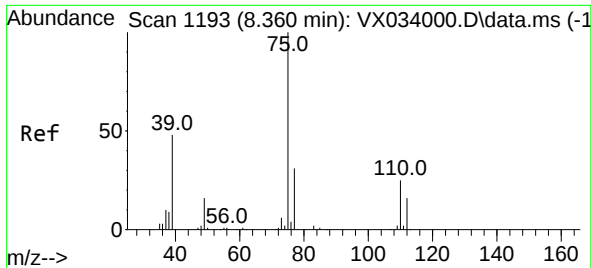
Ion Ratio Lower Upper

83 100

85 63.7 46.3 85.9

127 9.3 7.4 11.0

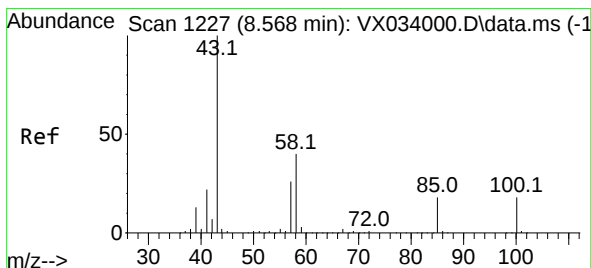
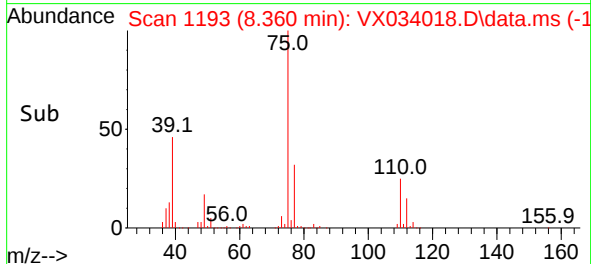
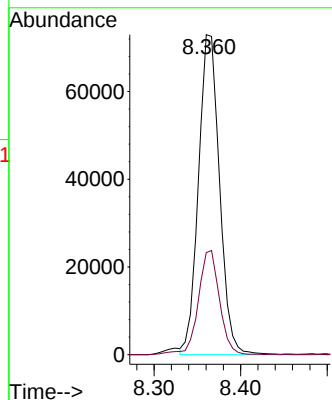
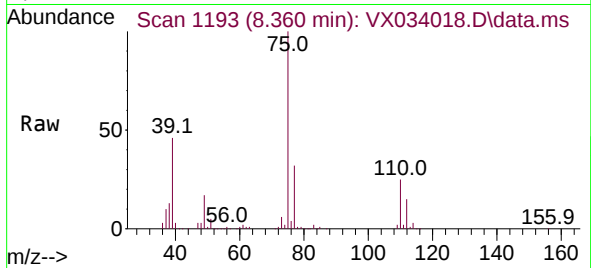




#39
 cis-1,3-Dichloropropene
 Concen: 53.297 ug/L
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

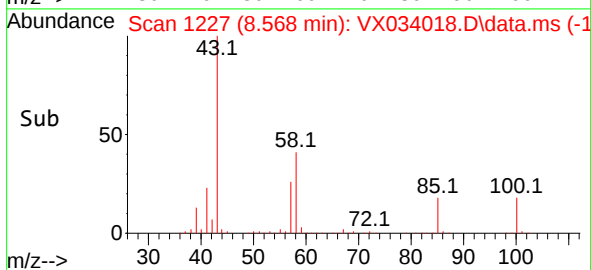
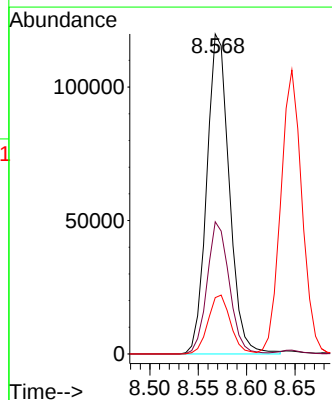
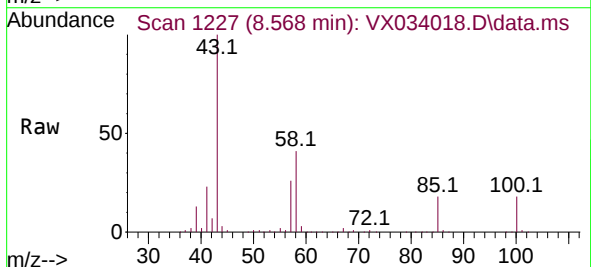
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050618

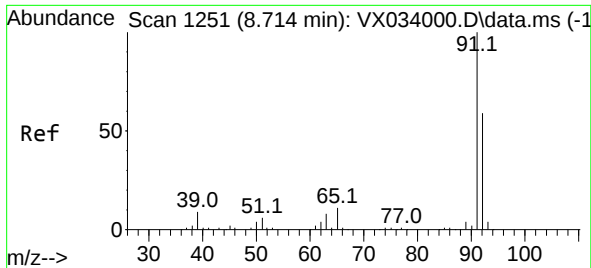
Tgt Ion: 75 Resp: 123419
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 104.780 ug/L
 RT: 8.568 min Scan# 1227
 Delta R.T. -0.000 min
 Lab File: VX034018.D
 Acq: 06 Feb 2023 09:30

Tgt Ion: 43 Resp: 194536
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.9 47.9
 100 18.4 14.4 21.6





#42

Toluene

Concen: 50.710 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

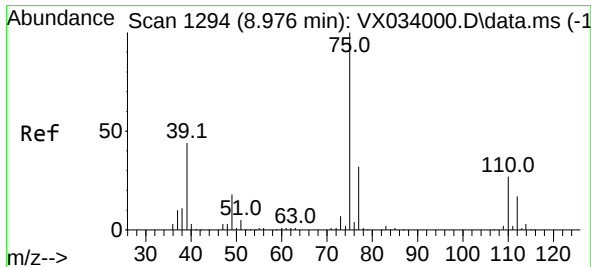
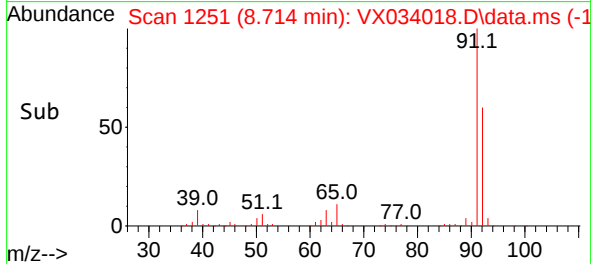
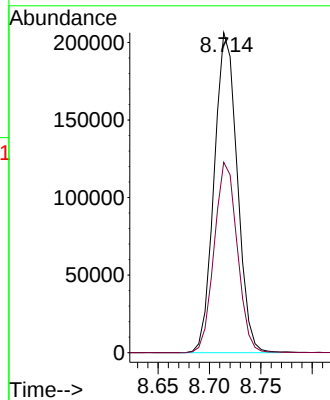
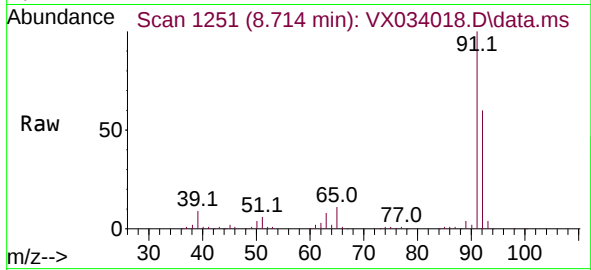
VSTD050618

Tgt Ion: 91 Resp: 321318

Ion Ratio Lower Upper

91 100

92 59.5 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 54.420 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX034018.D

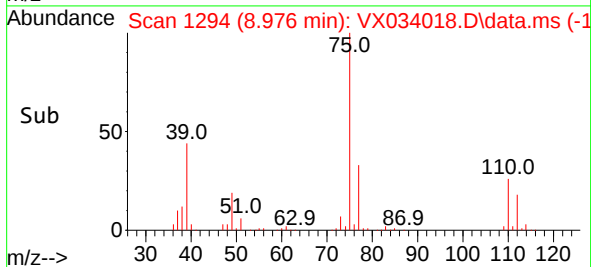
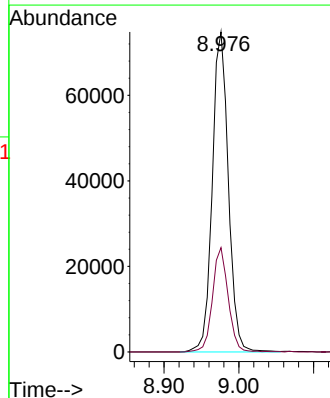
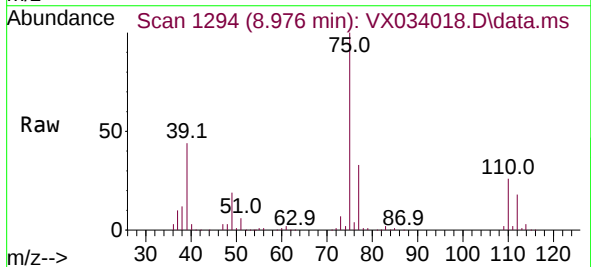
Acq: 06 Feb 2023 09:30

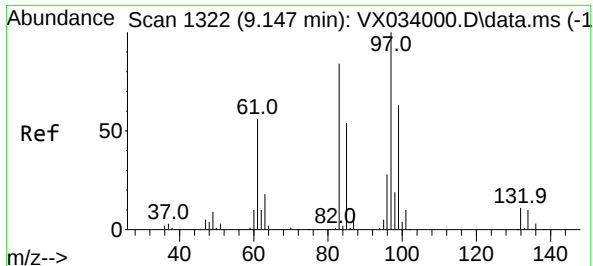
Tgt Ion: 75 Resp: 112137

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 50.994 ug/L

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

Tgt Ion: 97 Resp: 77878

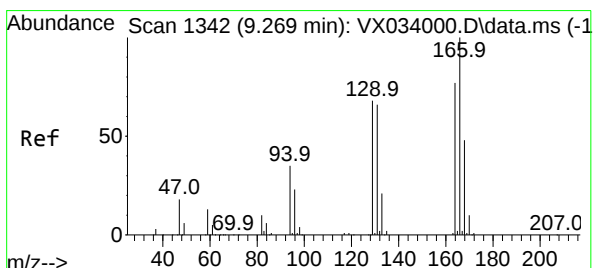
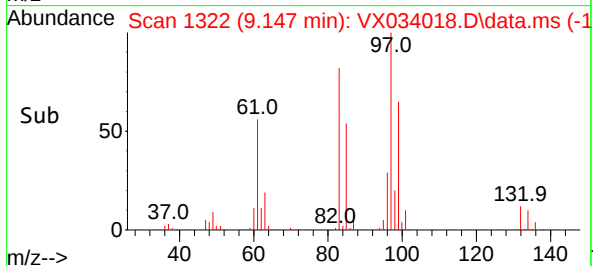
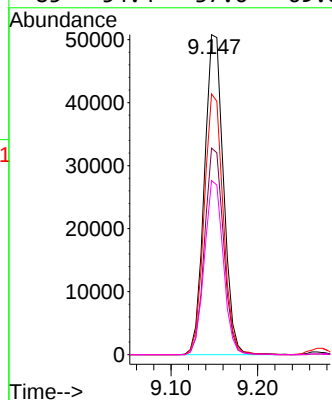
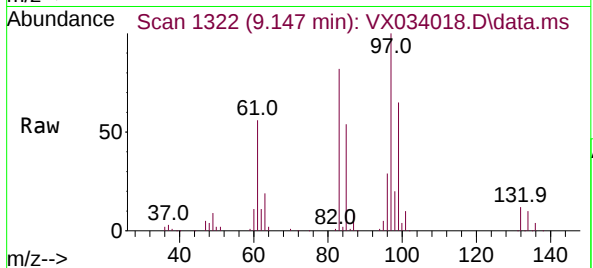
Ion Ratio Lower Upper

97 100

99 64.6 43.5 80.9

83 81.5 56.8 105.4

85 54.4 37.6 69.8



#46

Tetrachloroethene

Concen: 50.911 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Tgt Ion: 164 Resp: 78471

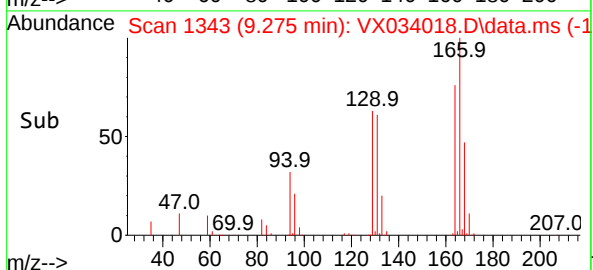
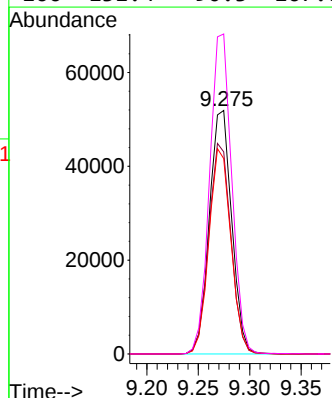
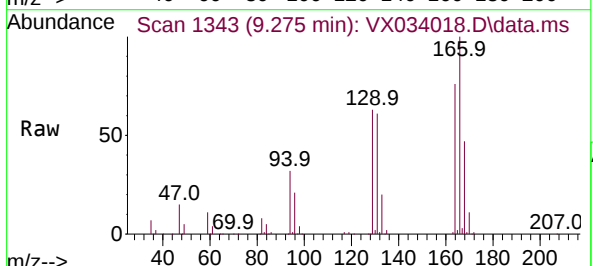
Ion Ratio Lower Upper

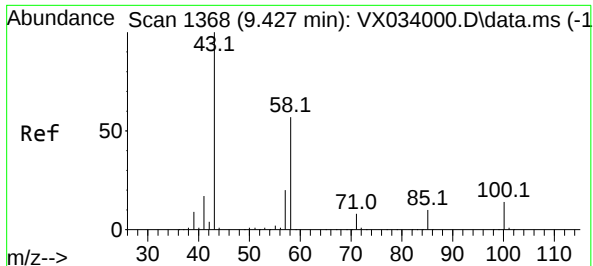
164 100

129 83.0 59.3 110.1

131 80.2 56.1 104.3

166 131.4 90.3 167.7



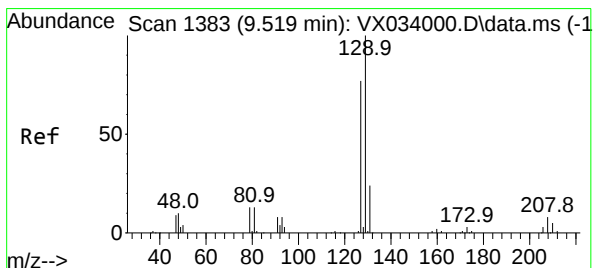
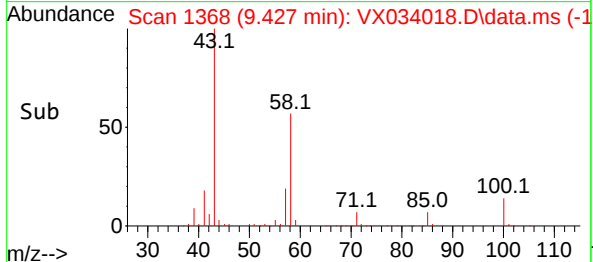
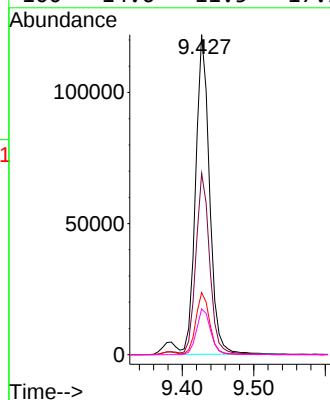
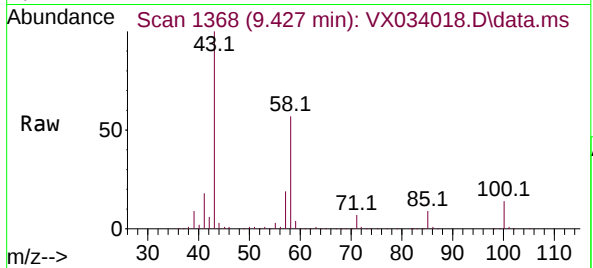


#48
2-Hexanone
Concen: 111.045 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

Tgt Ion: 43 Resp: 164301

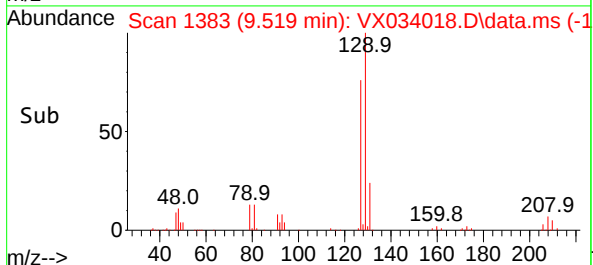
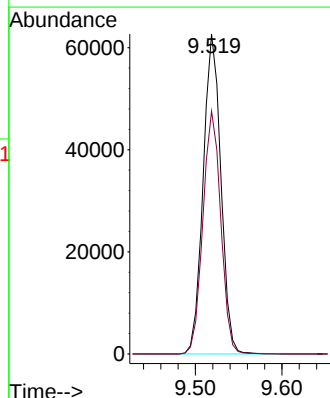
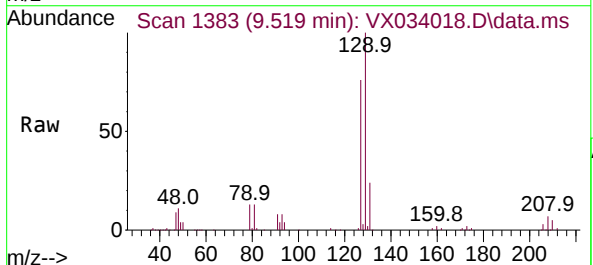
Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.7	68.5
57	19.6	15.8	23.8
100	14.6	11.5	17.3

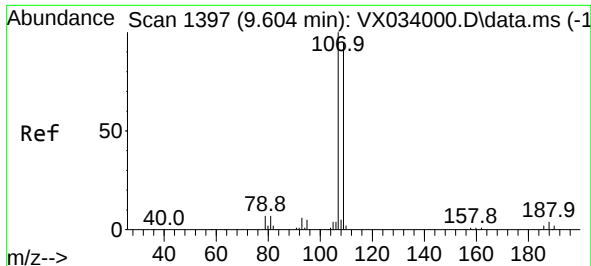


#49
Dibromochloromethane
Concen: 53.988 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 129 Resp: 88962

Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.3	98.9





#50

1,2-Dibromoethane

Concen: 51.745 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

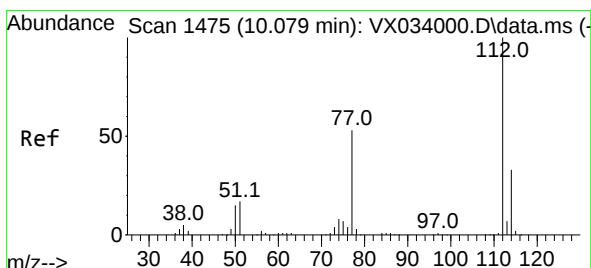
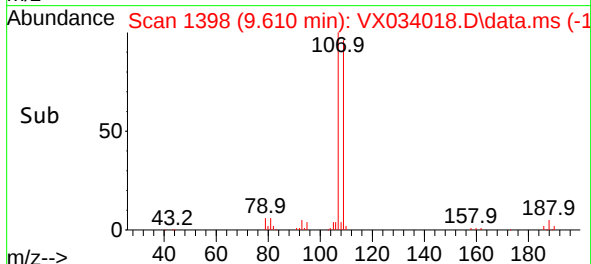
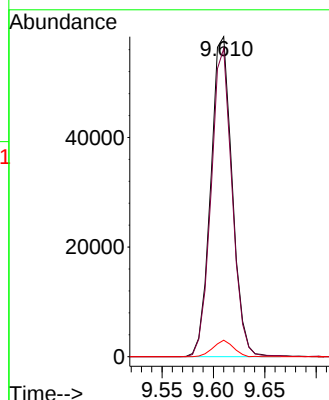
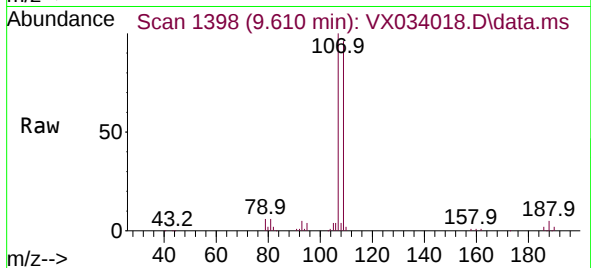
Tgt Ion:107 Resp: 84923

Ion Ratio Lower Upper

107 100

109 96.2 64.9 120.5

188 5.1 3.3 4.9#



#51

Chlorobenzene

Concen: 51.198 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

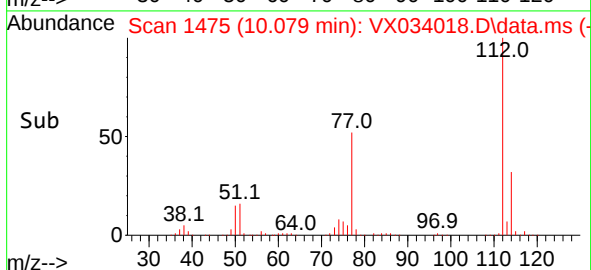
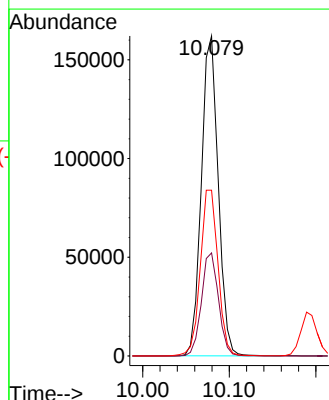
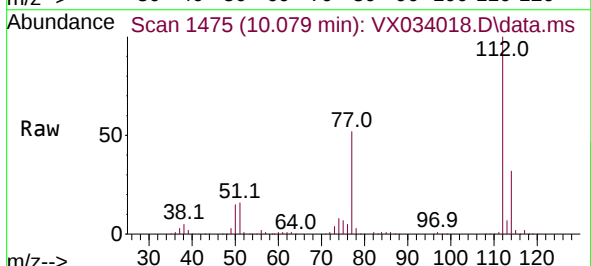
Tgt Ion:112 Resp: 219169

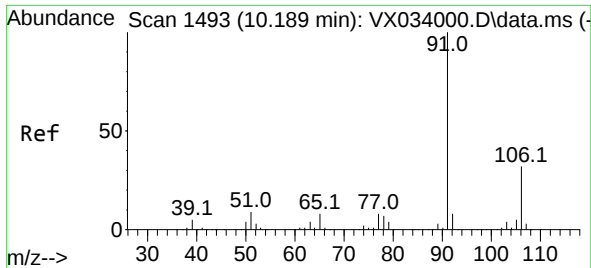
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

77 51.8 43.4 65.0

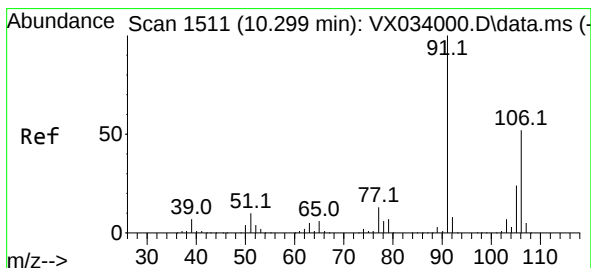
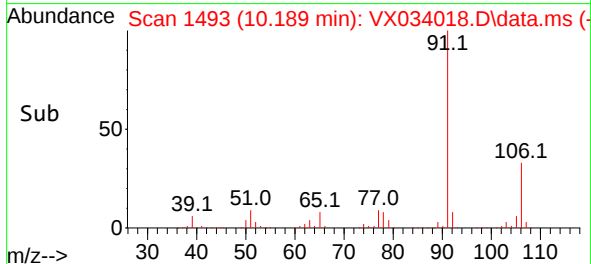
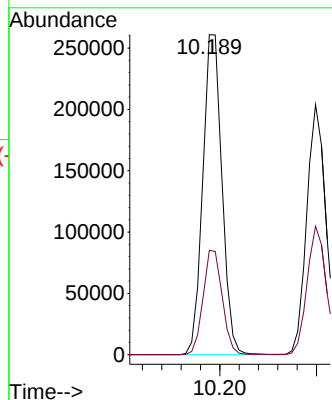
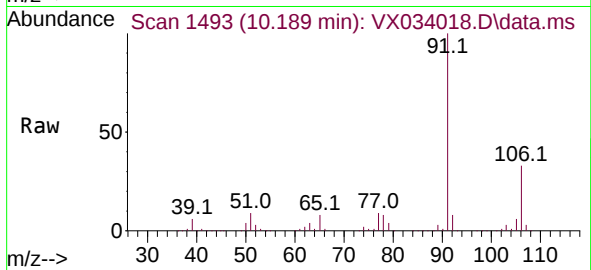




#52
Ethylbenzene
Concen: 51.734 ug/L
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

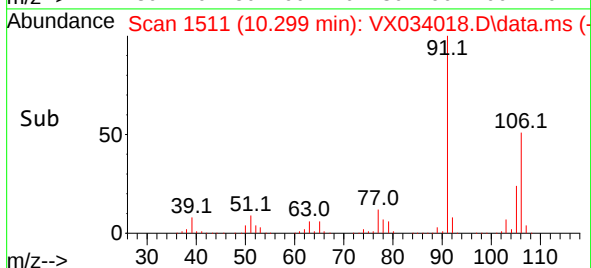
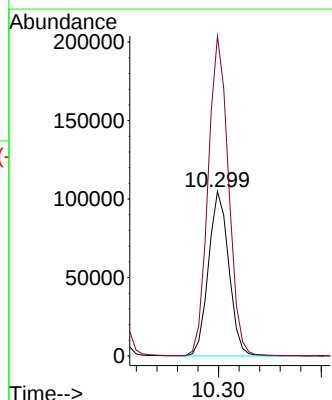
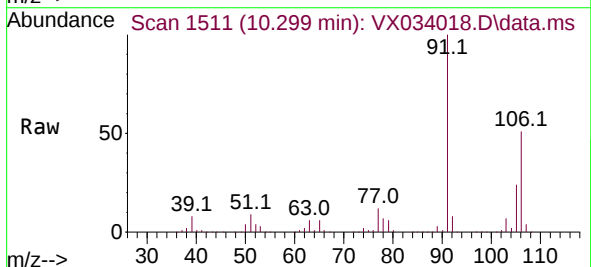
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

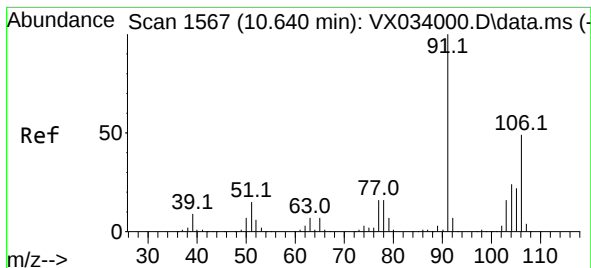
Tgt Ion: 91 Resp: 360249
Ion Ratio Lower Upper
91 100
106 32.6 23.2 43.0



#53
m,p-Xylene
Concen: 51.396 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 106 Resp: 143662
Ion Ratio Lower Upper
106 100
91 194.5 135.2 251.0





#54

o-Xylene

Concen: 50.985 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

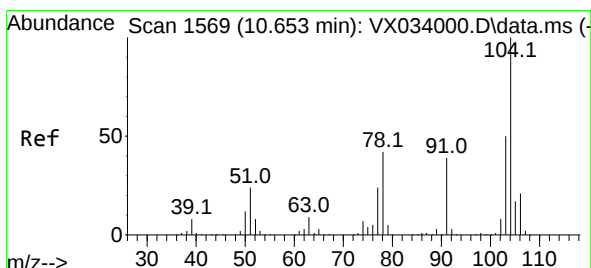
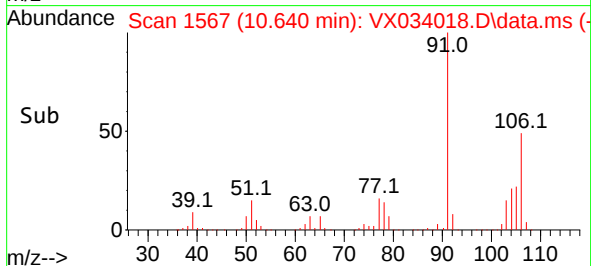
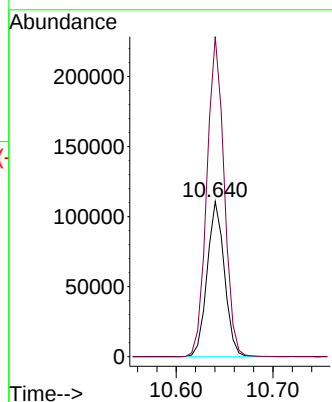
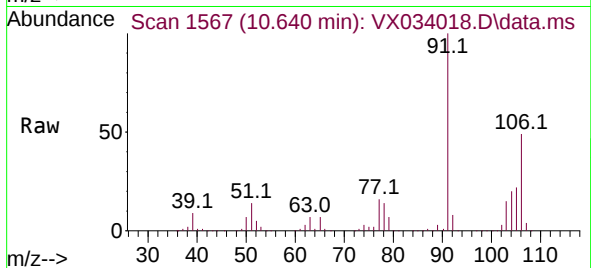
VSTD050618

Tgt Ion:106 Resp: 137684

Ion Ratio Lower Upper

106 100

91 206.1 140.2 260.4



#55

Styrene

Concen: 52.234 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX034018.D

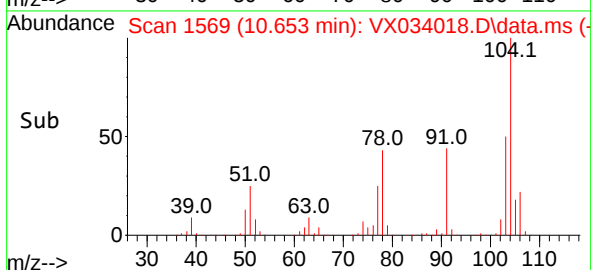
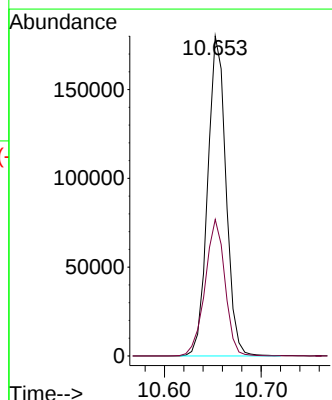
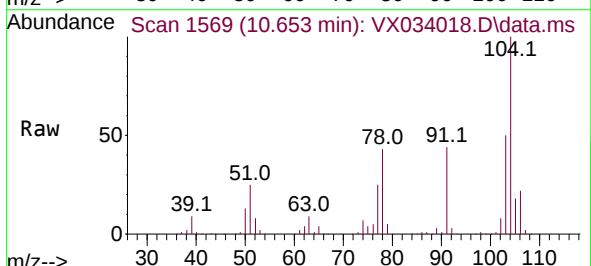
Acq: 06 Feb 2023 09:30

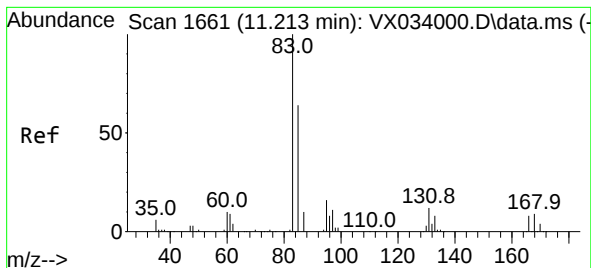
Tgt Ion:104 Resp: 236641

Ion Ratio Lower Upper

104 100

78 42.6 30.0 55.8

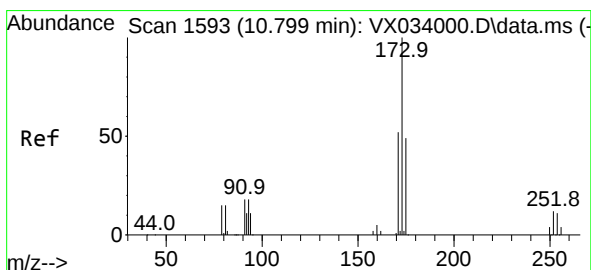
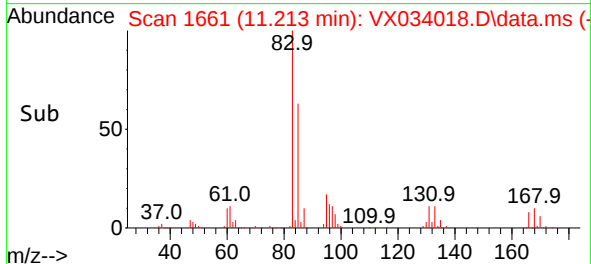
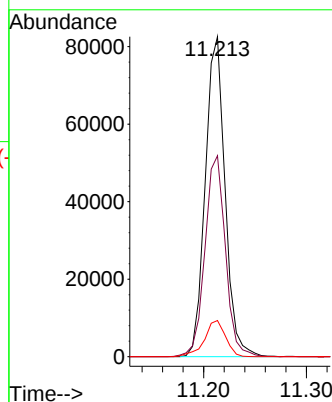
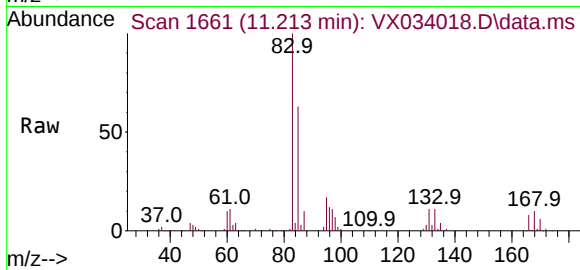




#57
1,1,2,2-Tetrachloroethane
Concen: 51.547 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

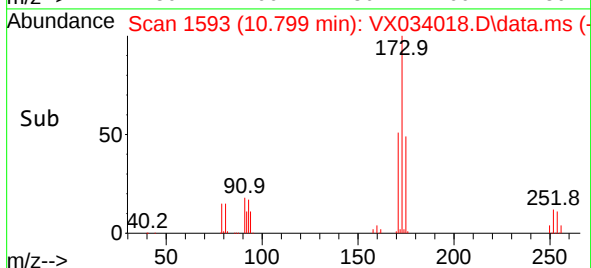
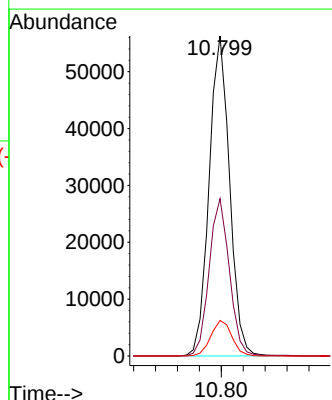
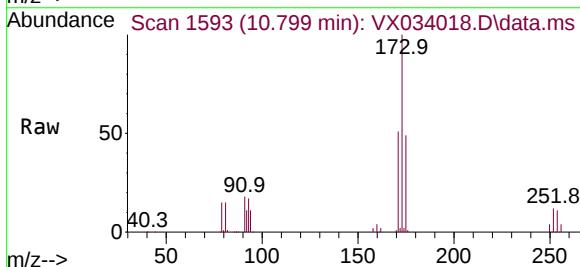
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

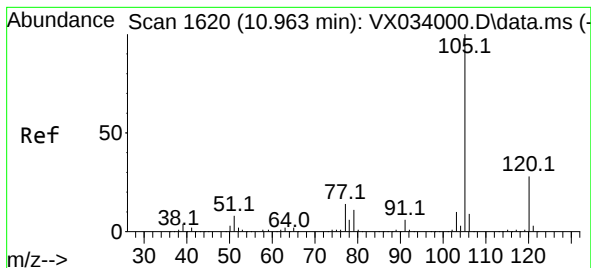
Tgt Ion: 83 Resp: 110670
Ion Ratio Lower Upper
83 100
85 62.8 45.8 85.0
131 11.3 9.1 13.7



#59
Bromoform
Concen: 54.532 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion: 173 Resp: 73041
Ion Ratio Lower Upper
173 100
175 48.6 38.3 57.5
254 11.4 9.1 13.7





#60

Isopropylbenzene

Concen: 51.908 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

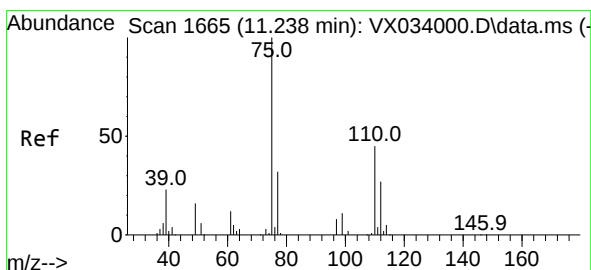
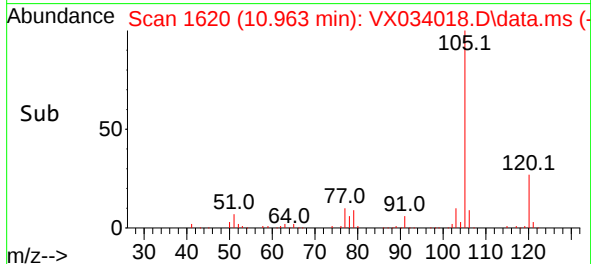
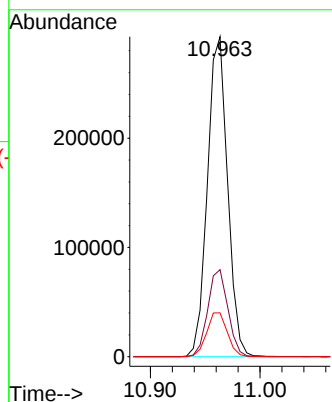
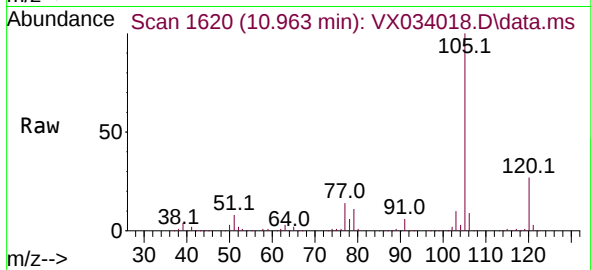
Tgt Ion:105 Resp: 373224

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

77 14.2 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 49.683 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

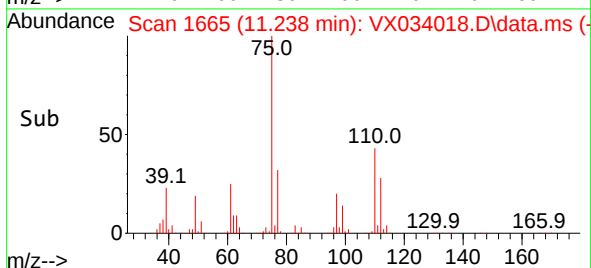
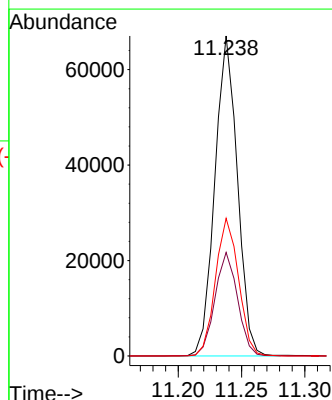
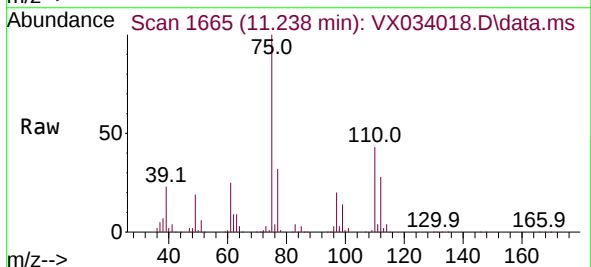
Tgt Ion: 75 Resp: 83011

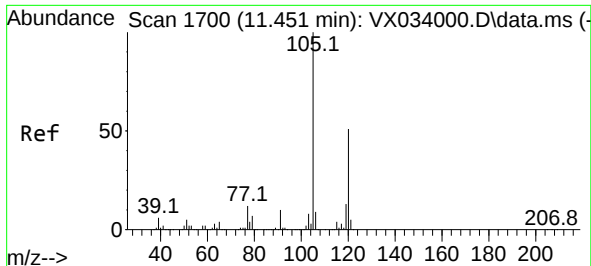
Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

110 44.0 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 53.032 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

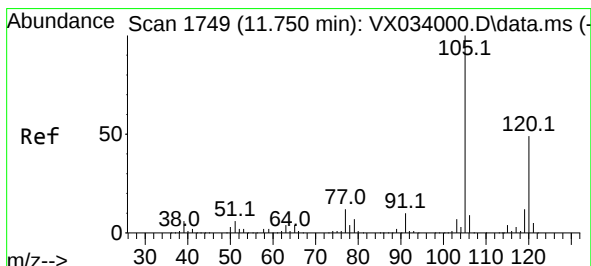
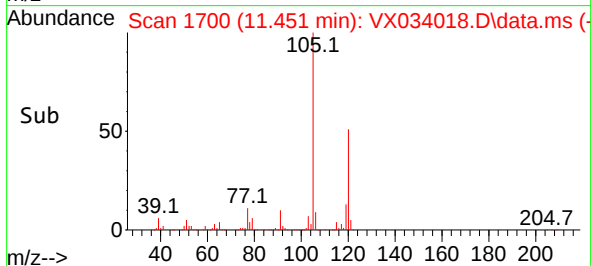
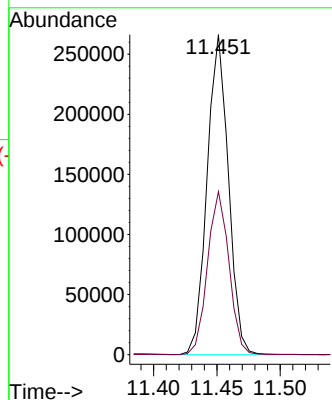
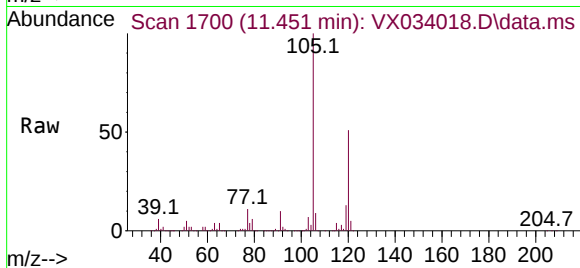
VSTD050618

Tgt Ion:105 Resp: 312111

Ion Ratio Lower Upper

105 100

120 51.1 41.3 61.9



#63

1,2,4-Trimethylbenzene

Concen: 52.477 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034018.D

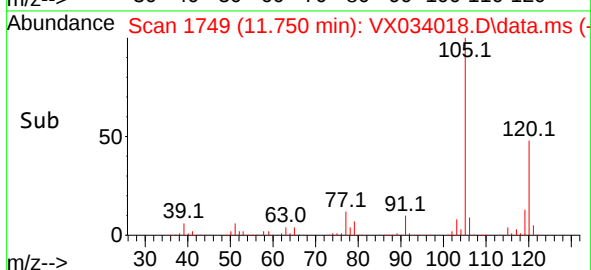
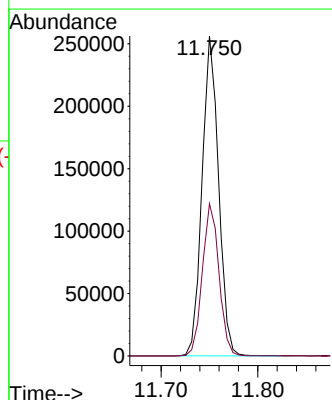
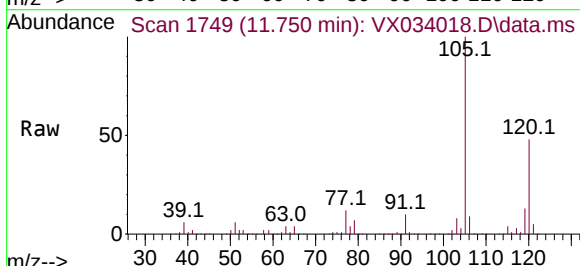
Acq: 06 Feb 2023 09:30

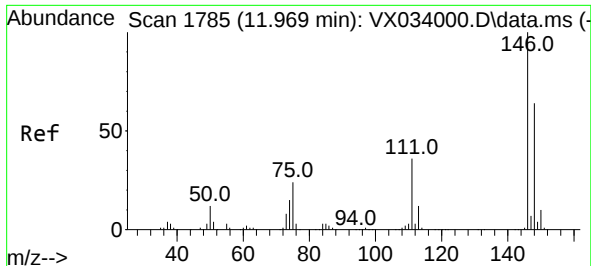
Tgt Ion:105 Resp: 304419

Ion Ratio Lower Upper

105 100

120 47.9 38.5 57.7

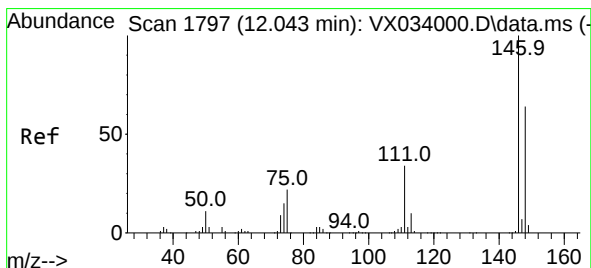
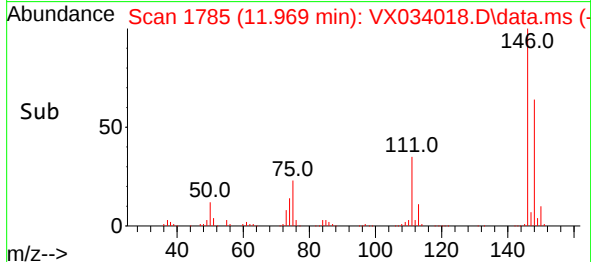
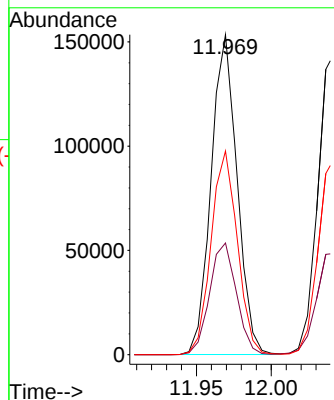
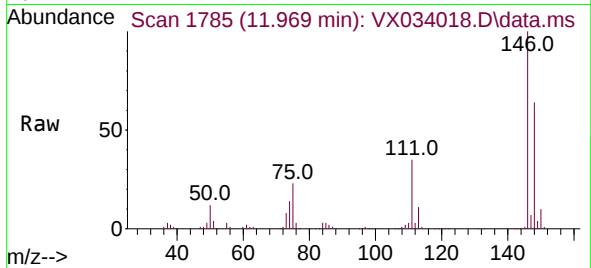




#64
1,3-Dichlorobenzene
Concen: 51.772 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

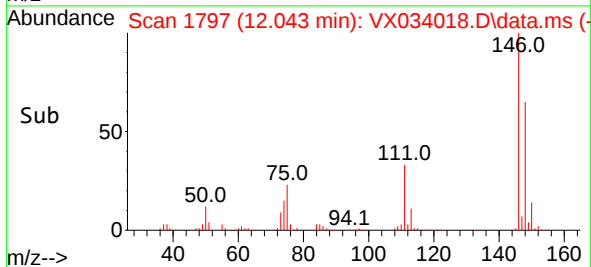
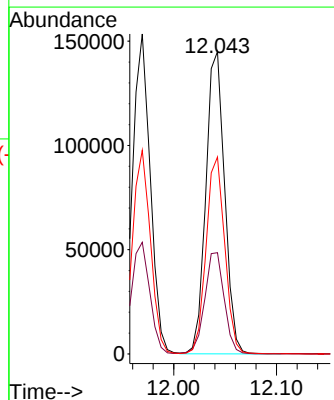
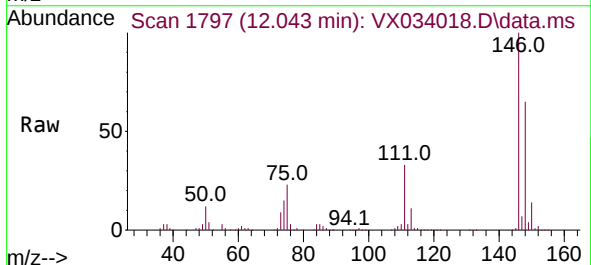
Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

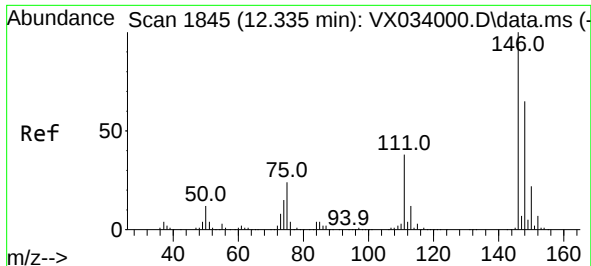
Tgt Ion:146 Resp: 185100
Ion Ratio Lower Upper
146 100
111 34.9 25.5 47.3
148 63.7 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 50.889 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion:146 Resp: 184138
Ion Ratio Lower Upper
146 100
111 33.5 23.7 44.1
148 65.1 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 50.759 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

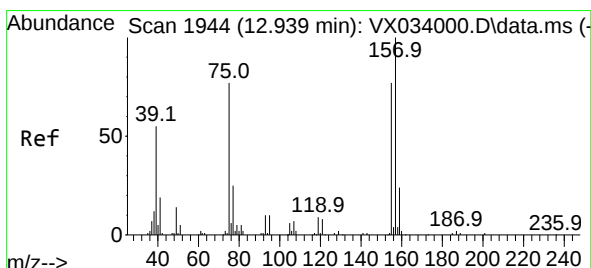
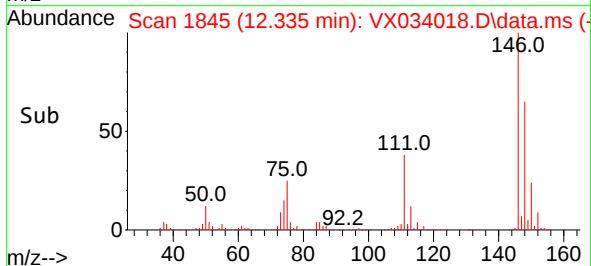
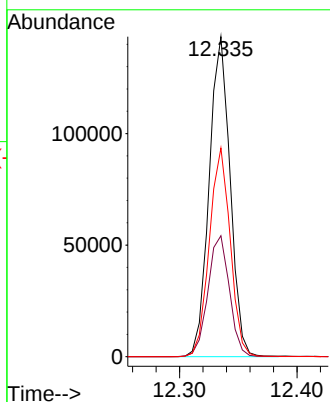
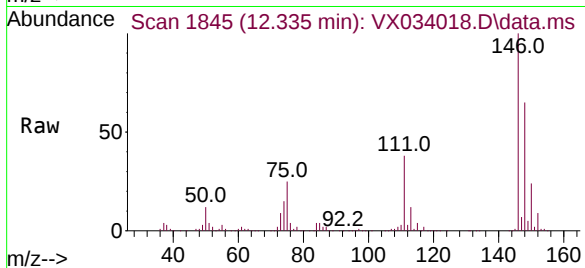
Tgt Ion:146 Resp: 177454

Ion Ratio Lower Upper

146 100

111 37.8 30.4 45.6

148 65.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.744 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

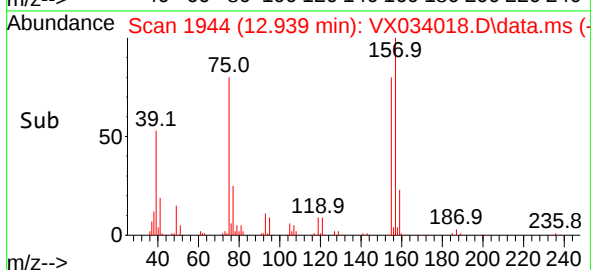
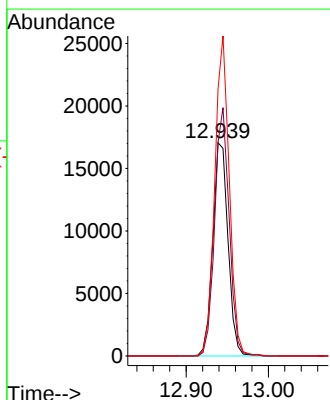
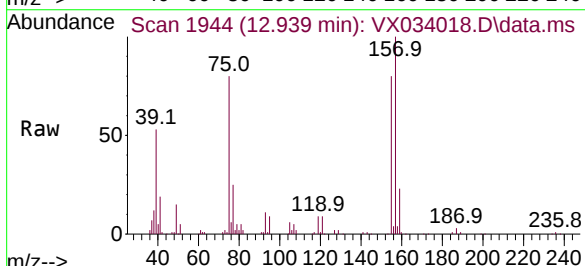
Tgt Ion: 75 Resp: 22000

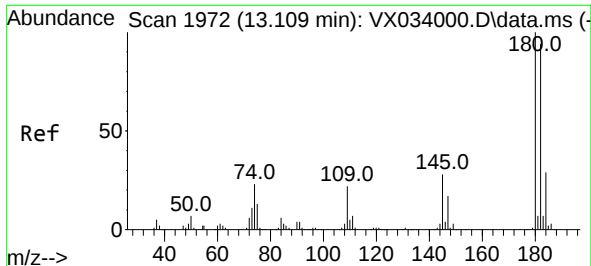
Ion Ratio Lower Upper

75 100

155 100.0 89.0 133.6

157 125.2 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 52.498 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD050618

Tgt Ion:180 Resp: 141550

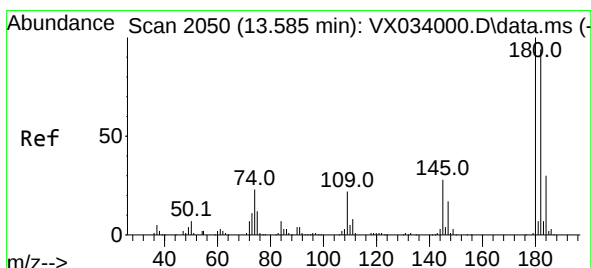
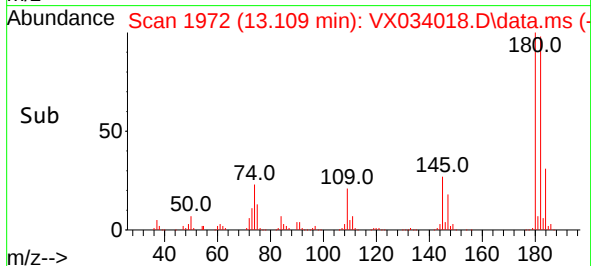
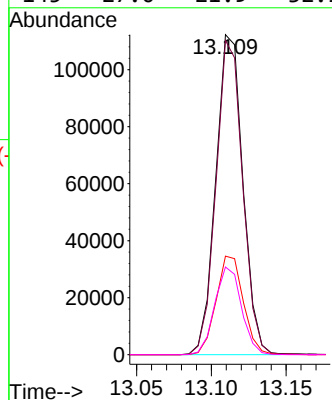
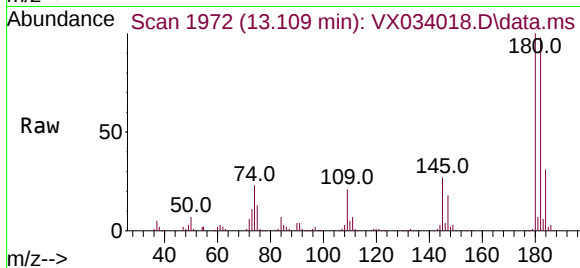
Ion Ratio Lower Upper

180 100

182 96.2 77.3 115.9

184 31.0 24.5 36.7

145 27.0 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 53.382 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX034018.D

Acq: 06 Feb 2023 09:30

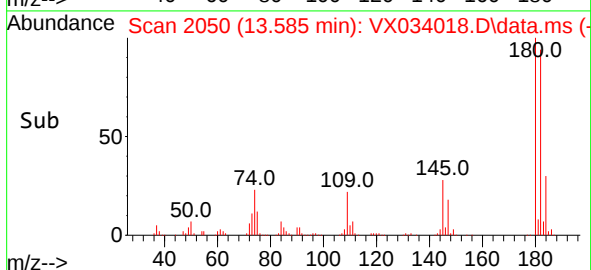
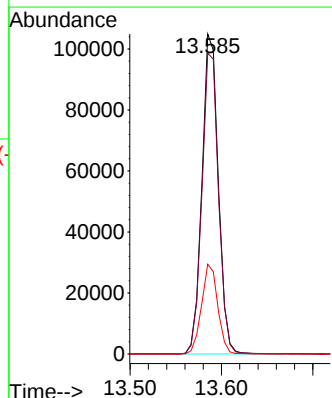
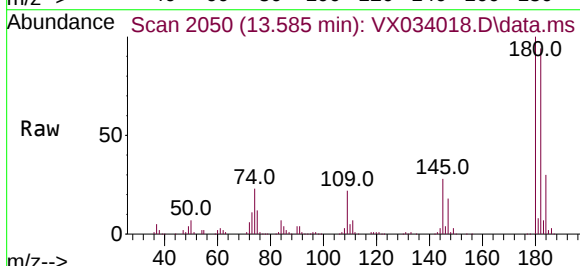
Tgt Ion:180 Resp: 130663

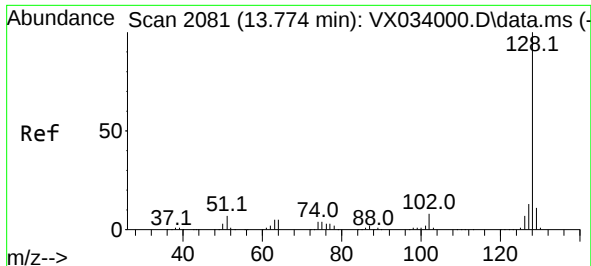
Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 27.8 22.3 33.5

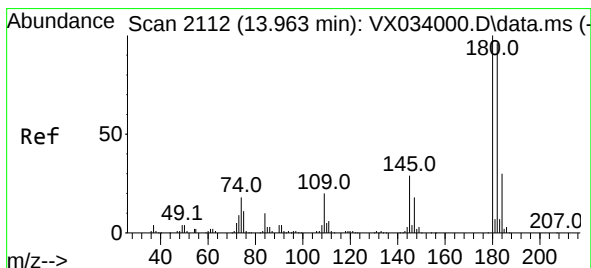
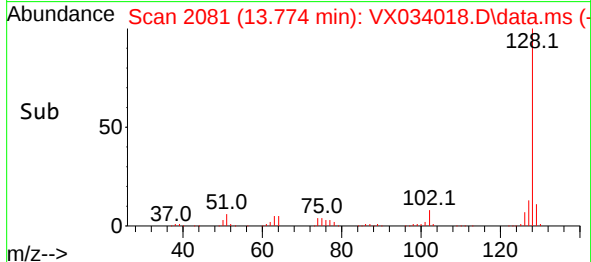
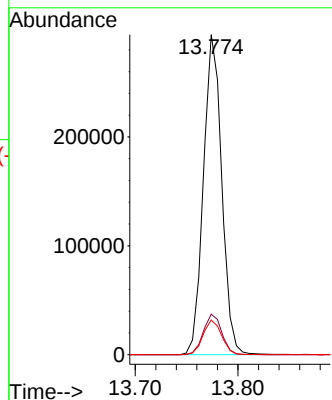
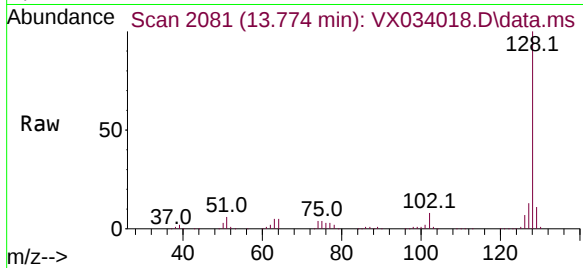




#71
Naphthalene
Concen: 53.777 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Instrument :
MSVOA_X
ClientSampleId :
VSTD050618

Tgt Ion:128 Resp: 364410
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 52.955 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX034018.D
Acq: 06 Feb 2023 09:30

Tgt Ion:180 Resp: 127955
Ion Ratio Lower Upper
180 100
182 95.0 77.1 115.7
145 29.3 23.5 35.3

