

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034023.D
 Acq On : 06 Feb 2023 13:22
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050619

Quant Time: Feb 07 03:30:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	180250	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	157017	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	82509	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	41468	34.544	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.080%
7) Chloroethane-d5	1.666	69	34641	47.533	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.060%
11) 1,1-Dichloroethene-d2	2.312	63	87897	39.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.920%
21) 2-Butanone-d5	4.446	46	83846	121.824	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.820%
24) Chloroform-d	5.056	84	109731	50.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.920%
26) 1,2-Dichloroethane-d4	5.958	65	69749	53.684	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.360%
32) Benzene-d6	5.976	84	213100	47.345	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
36) 1,2-Dichloropropane-d6	7.305	67	67857	50.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.980%
41) Toluene-d8	8.647	98	189244	44.323	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.640%
43) trans-1,3-Dichloroprop...	8.951	79	31711	52.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.020%
47) 2-Hexanone-d5	9.384	63	62842	125.934	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.930%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	96779	58.001	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.000%
66) 1,2-Dichlorobenzene-d4	12.317	152	83373	50.484	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.960%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	48851	36.429	ug/L	99
3) Chloromethane	1.294	50	57622	47.076	ug/L	99
5) Vinyl chloride	1.374	62	49150	39.710	ug/L	99
6) Bromomethane	1.605	94	38139	59.422	ug/L	100
8) Chloroethane	1.685	64	32109	48.800	ug/L	98
9) Trichlorofluoromethane	1.892	101	69129	39.405	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	46662	38.463	ug/L	100
12) 1,1-Dichloroethene	2.319	96	48403	43.615	ug/L	87
13) Acetone	2.373	43	61200	86.430	ug/L	99
14) Carbon disulfide	2.514	76	131090	43.642	ug/L	99
15) Methyl Acetate	2.697	43	66583	59.023	ug/L	100
16) Methylene chloride	2.788	84	66944	56.963	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	55860	48.760	ug/L	96
18) Methyl tert-butyl Ether	3.111	73	198883	59.624	ug/L	100
19) 1,1-Dichloroethane	3.611	63	105880	52.956	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	70713	54.011	ug/L	98
22) 2-Butanone	4.550	43	94681	107.620	ug/L	99
23) Bromochloromethane	4.897	128	40790	56.755	ug/L	97
25) Chloroform	5.092	83	114360	55.389	ug/L	97

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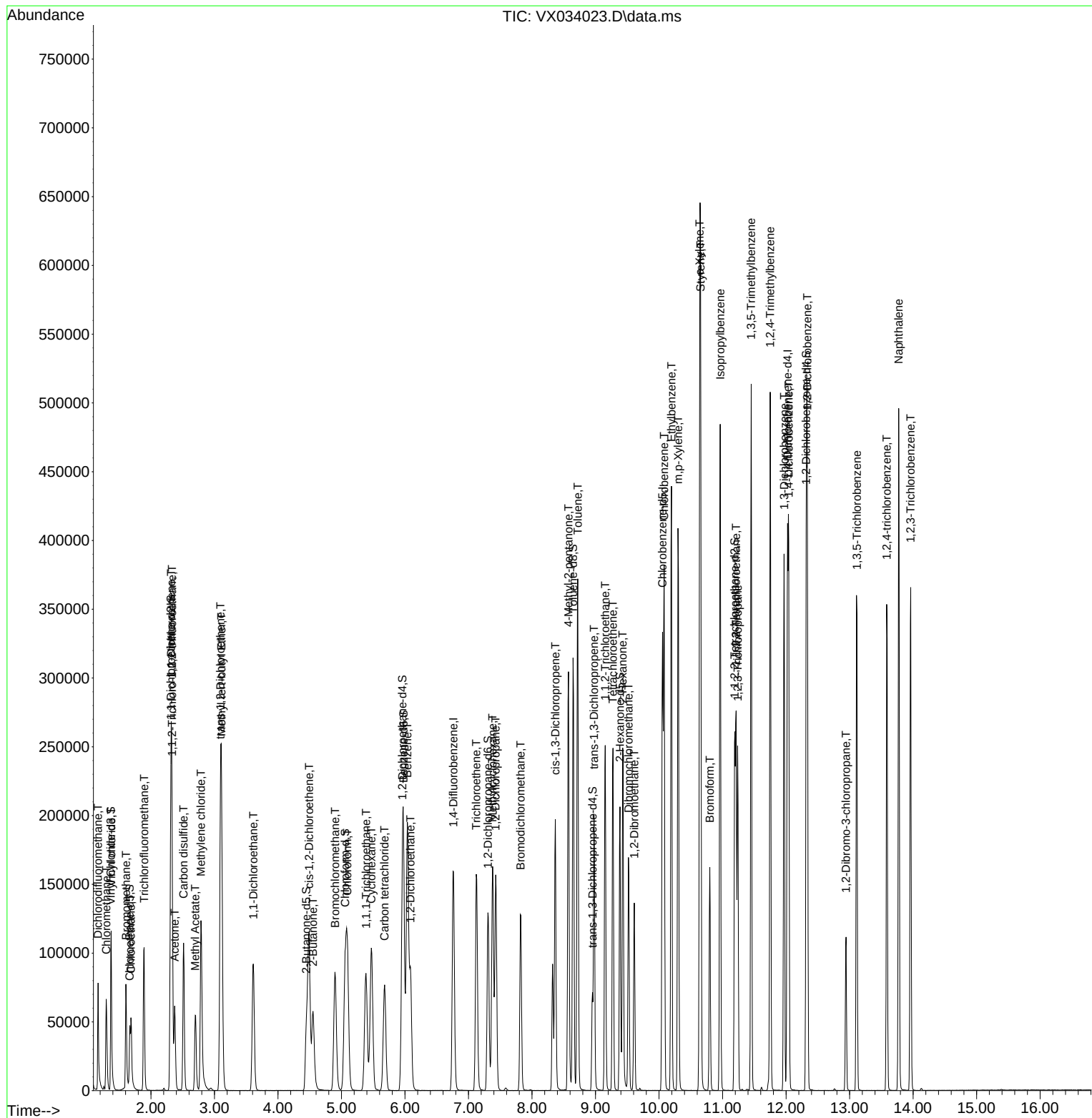
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	93297	58.875	ug/L	99
29) Cyclohexane	5.470	56	72455	37.728	ug/L	98
30) 1,1,1-Trichloroethane	5.385	97	85854	48.376	ug/L	99
31) Carbon tetrachloride	5.678	117	73150	44.303	ug/L	100
33) Benzene	6.037	78	240789	51.571	ug/L	100
34) Trichloroethene	7.123	95	60456	47.776	ug/L	98
35) Methylcyclohexane	7.379	83	77473	38.395	ug/L	99
37) 1,2-Dichloropropane	7.427	63	65149	54.783	ug/L	99
38) Bromodichloromethane	7.818	83	85916	56.818	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	101720	55.728	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	180514	123.348	ug/L	99
42) Toluene	8.720	91	247318	49.517	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	92428	56.905	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	70625	58.668	ug/L	98
46) Tetrachloroethene	9.275	164	53451	43.995	ug/L	98
48) 2-Hexanone	9.427	43	134237	115.100	ug/L	99
49) Dibromochloromethane	9.518	129	76617	58.988	ug/L	100
50) 1,2-Dibromoethane	9.610	107	75130	58.077	ug/L	99
51) Chlorobenzene	10.079	112	170574	50.551	ug/L	99
52) Ethylbenzene	10.195	91	259674	47.309	ug/L	98
53) m,p-Xylene	10.299	106	104618	47.482	ug/L	99
54) o-Xylene	10.640	106	106154	49.870	ug/L	96
55) Styrene	10.652	104	184377	51.632	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	101664	60.073	ug/L	100
59) Bromoform	10.799	173	63380	63.119	ug/L	99
60) Isopropylbenzene	10.963	105	258539	47.963	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	77038	61.503	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	219169	49.674	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	220389	50.677	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	134835	50.305	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	136760	50.415	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	141014	53.803	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	20147	65.650	ug/L	98
69) 1,3,5-Trichlorobenzene	13.115	180	101043	49.988	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	96630	52.660	ug/L	99
71) Naphthalene	13.774	128	313758	61.762	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	99768	55.076	ug/L	98

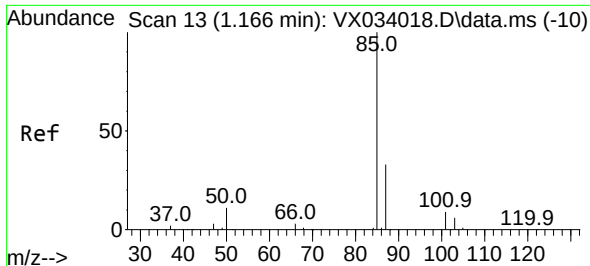
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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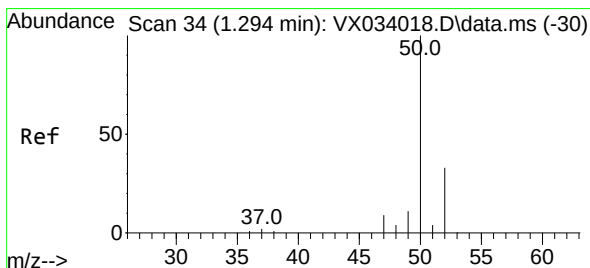
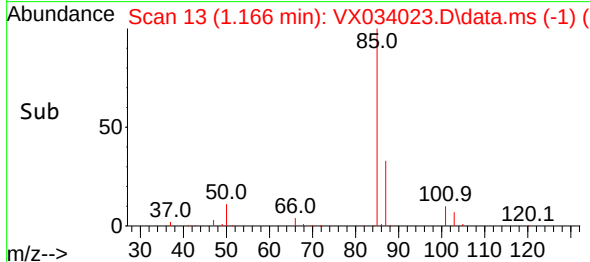
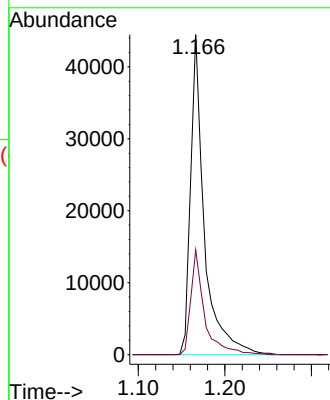
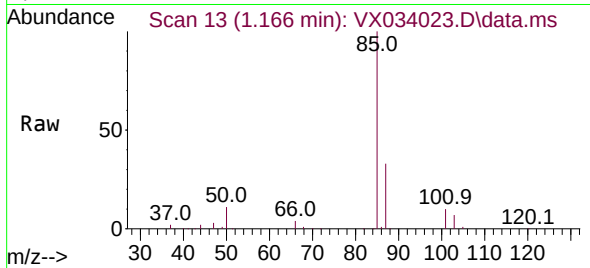




#2
 Dichlorodifluoromethane
 Concen: 36.429 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

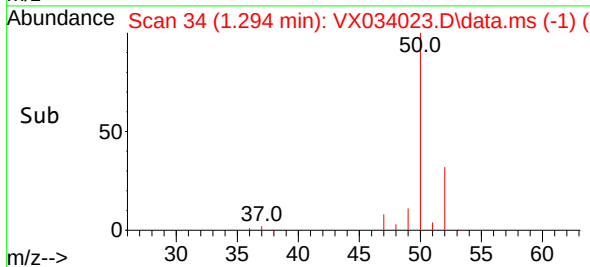
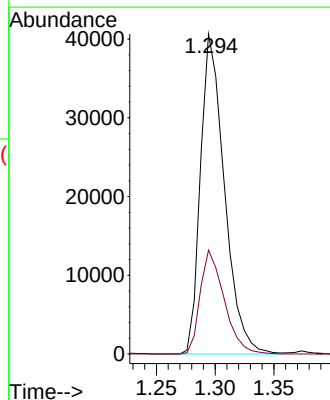
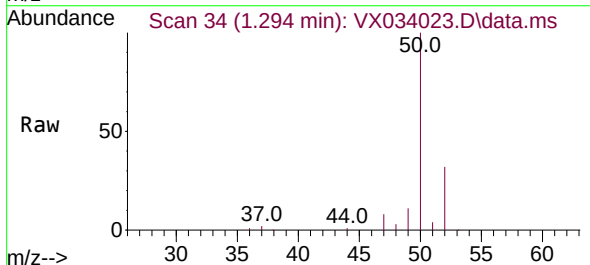
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050619

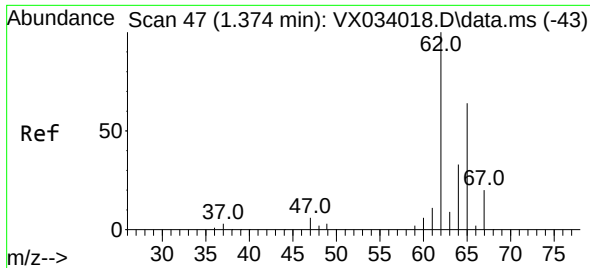
Tgt Ion: 85 Resp: 48851
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.9 38.9



#3
 Chloromethane
 Concen: 47.076 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

Tgt Ion: 50 Resp: 57622
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.5 41.7

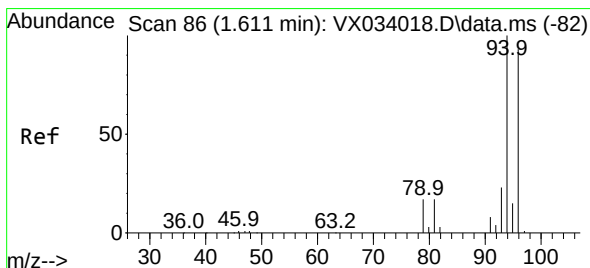
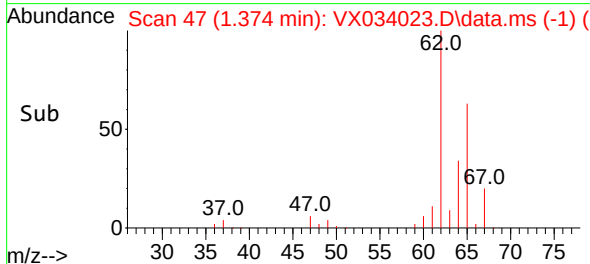
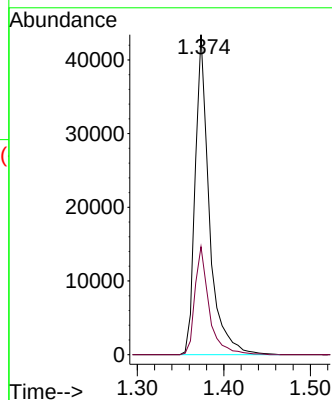
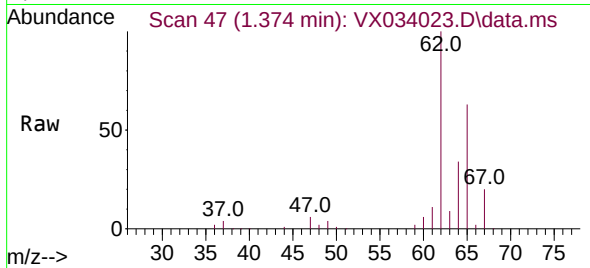




#5
 Vinyl chloride
 Concen: 39.710 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

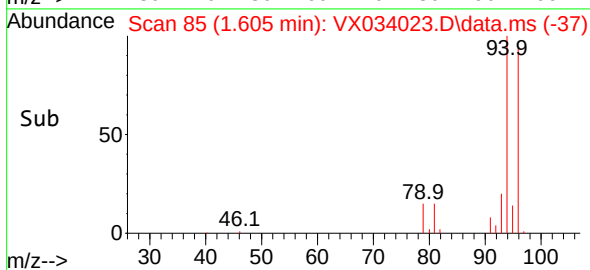
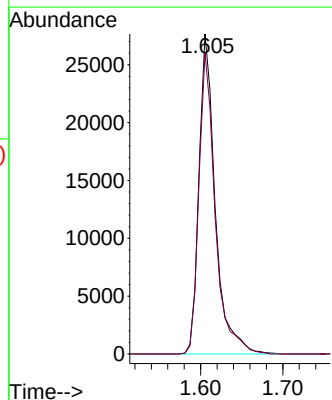
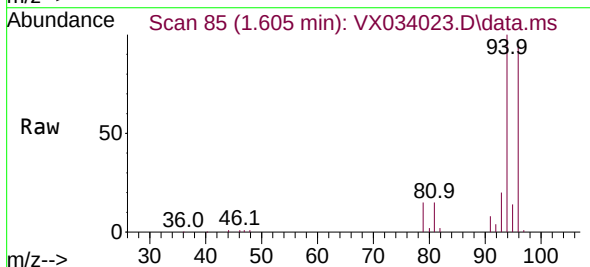
Instrument :
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 VSTD050619

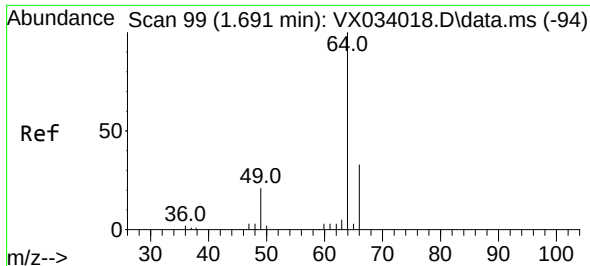
Tgt Ion: 62 Resp: 49150
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.2 43.0



#6
 Bromomethane
 Concen: 59.422 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. -0.006 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

Tgt Ion: 94 Resp: 38139
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.7 122.1

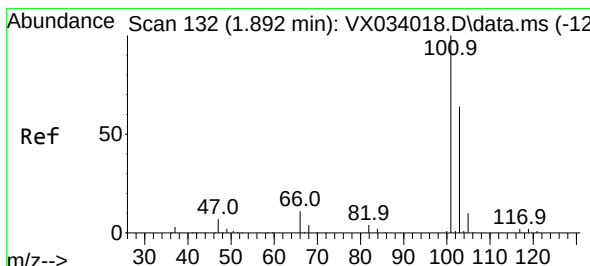
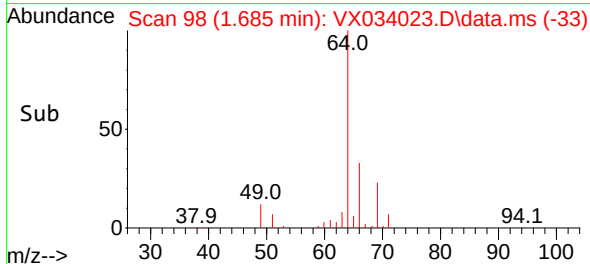
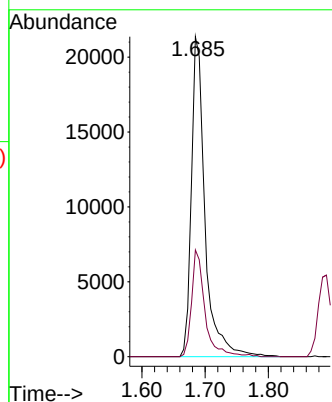
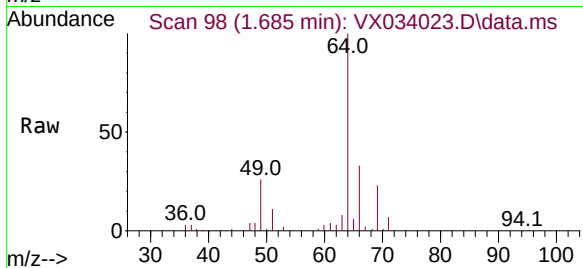




#8
Chloroethane
Concen: 48.800 ug/L
RT: 1.685 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

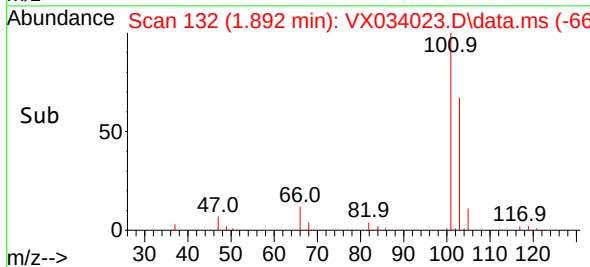
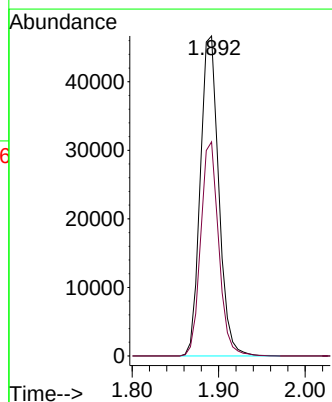
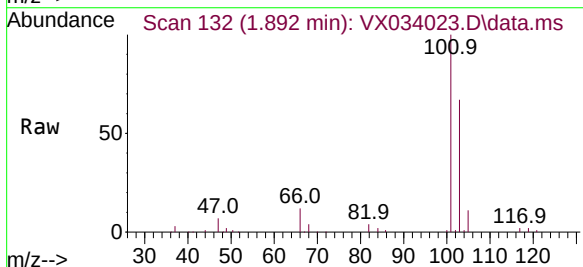
Instrument :
MSVOA_X
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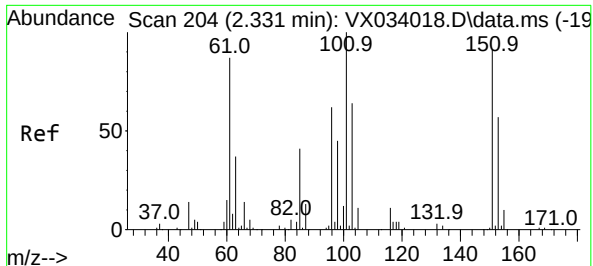
Tgt Ion: 64 Resp: 32109
Ion Ratio Lower Upper
64 100
66 33.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 39.405 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 101 Resp: 69129
Ion Ratio Lower Upper
101 100
103 65.2 52.6 78.8





#10

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

Concen: 38.463 ug/L

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

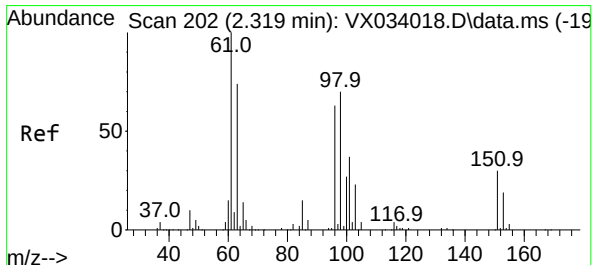
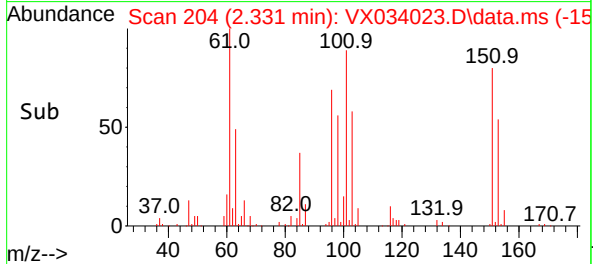
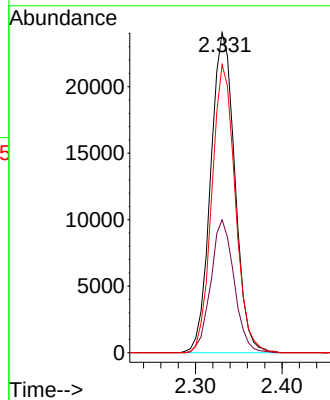
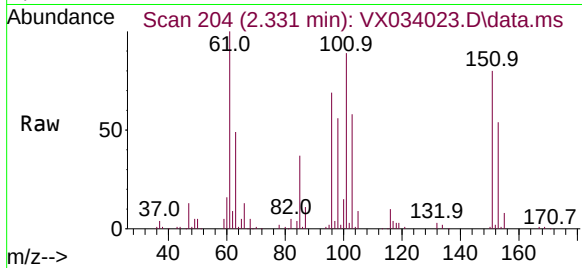
Tgt Ion:101 Resp: 46662

Ion Ratio Lower Upper

101 100

85 40.0 32.2 48.4

151 86.9 69.3 103.9



#12

1,1-Dichloroethene

Concen: 43.615 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

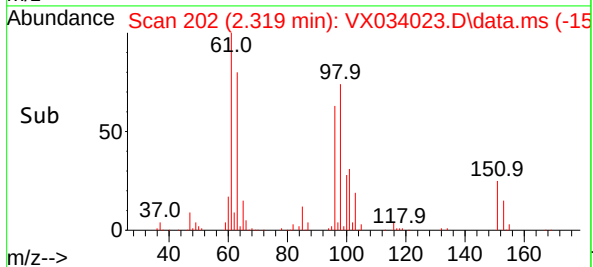
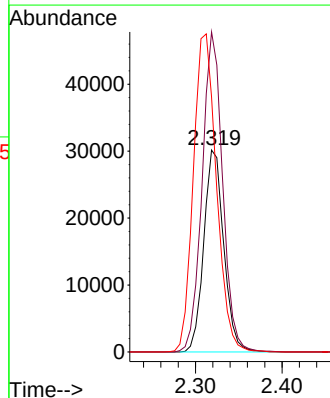
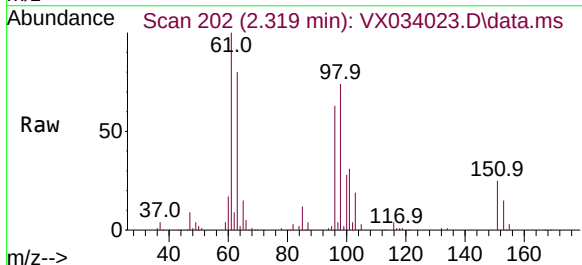
Tgt Ion: 96 Resp: 48403

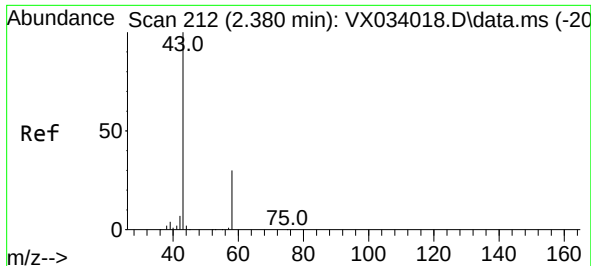
Ion Ratio Lower Upper

96 100

61 158.4 107.6 199.8

63 126.2 69.6 129.2





#13

Acetone

Concen: 86.430 ug/L

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

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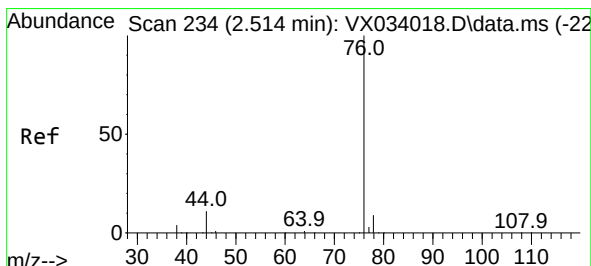
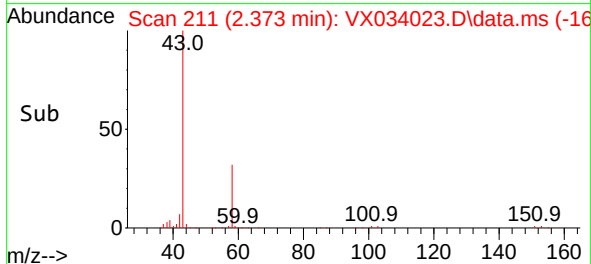
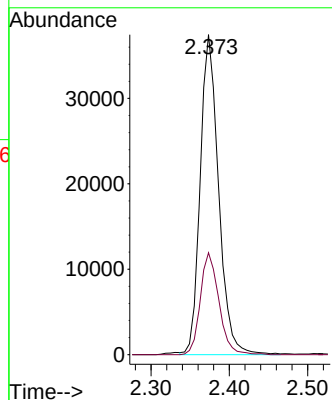
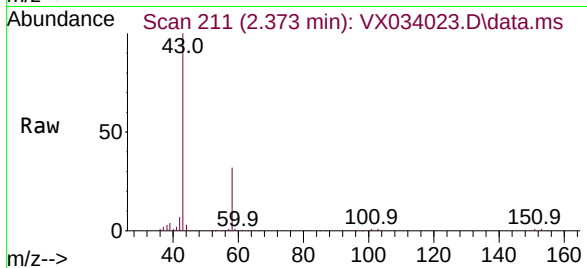
VSTD050619

Tgt Ion: 43 Resp: 61200

Ion Ratio Lower Upper

43 100

58 32.0 0.0 62.8



#14

Carbon disulfide

Concen: 43.642 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

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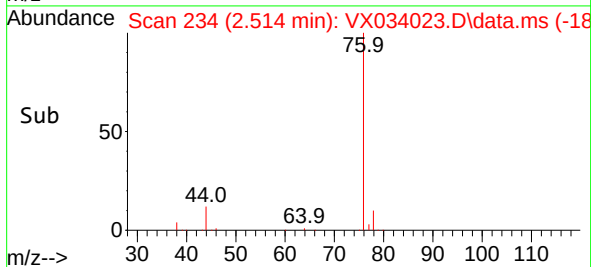
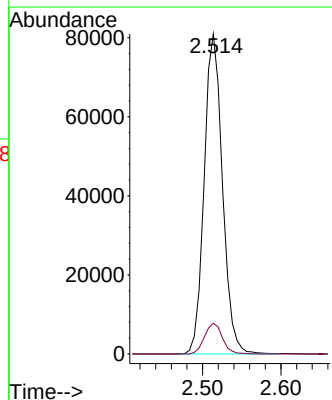
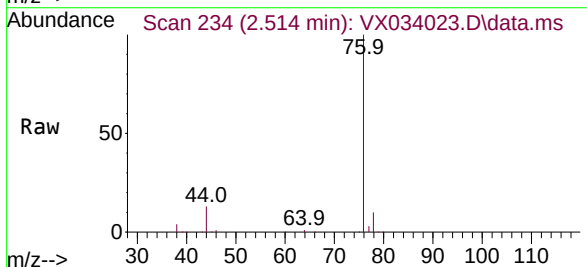
Acq: 06 Feb 2023 13:22

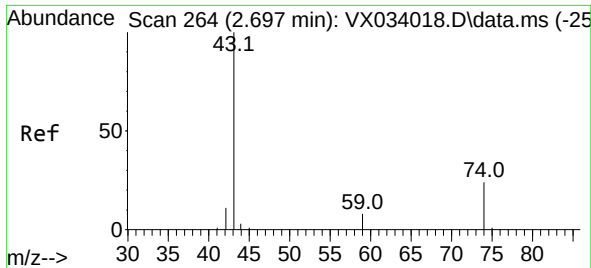
Tgt Ion: 76 Resp: 131090

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

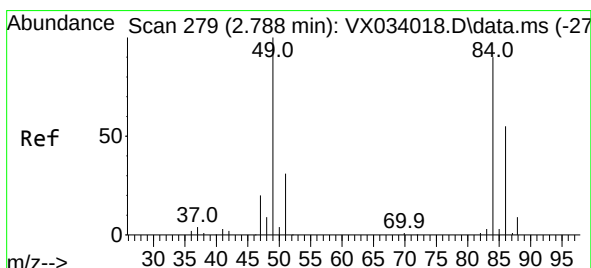
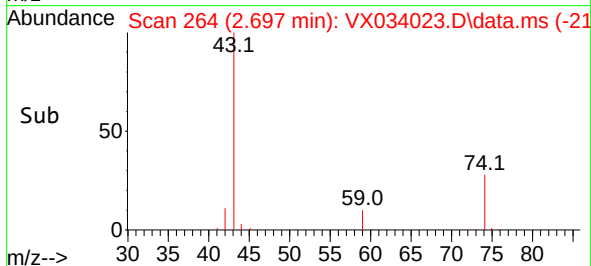
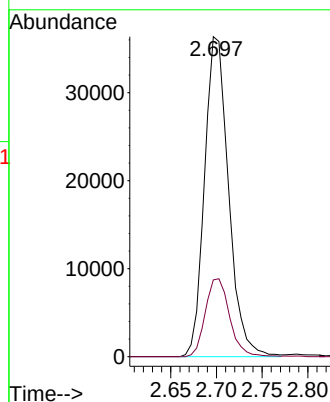
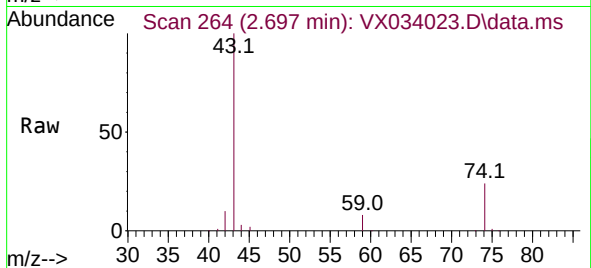




#15
Methyl Acetate
Concen: 59.023 ug/L
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

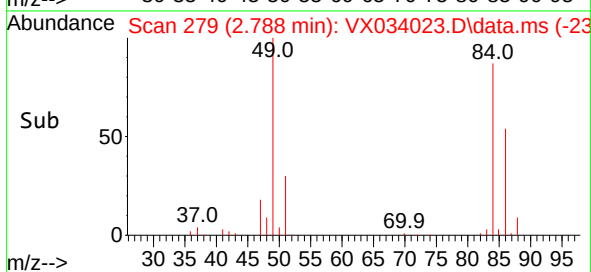
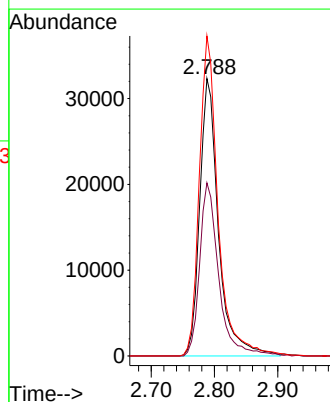
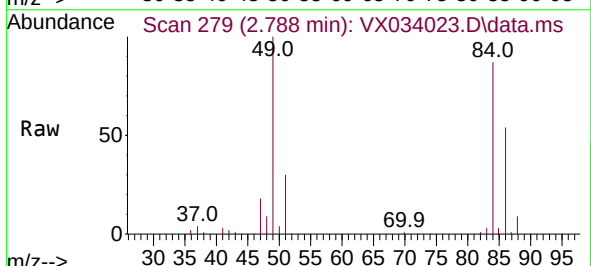
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

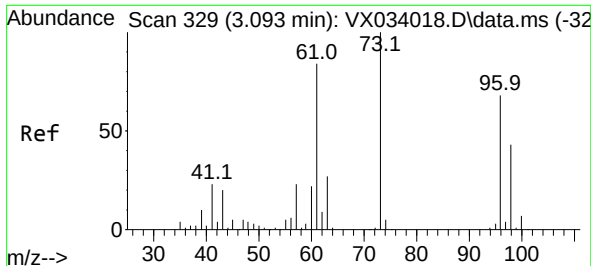
Tgt Ion: 43 Resp: 66583
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5



#16
Methylene chloride
Concen: 56.963 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 84 Resp: 66944
Ion Ratio Lower Upper
84 100
86 62.4 45.2 84.0
49 115.4 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 48.760 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

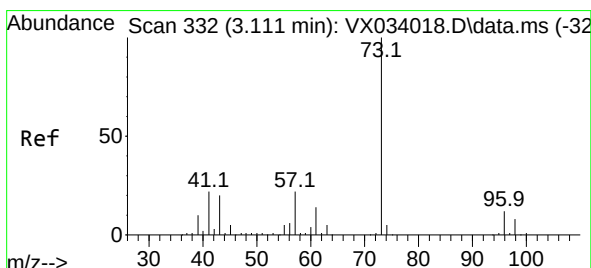
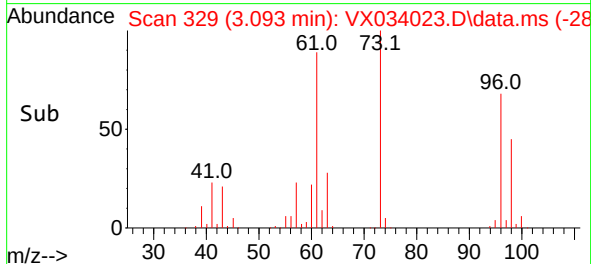
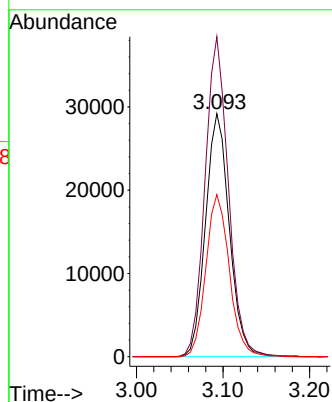
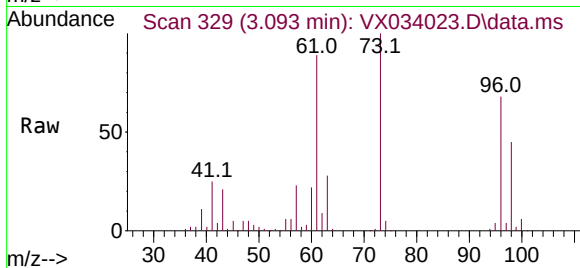
Tgt Ion: 96 Resp: 55860

Ion Ratio Lower Upper

96 100

61 131.7 87.7 162.9

98 66.7 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 59.624 ug/L

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

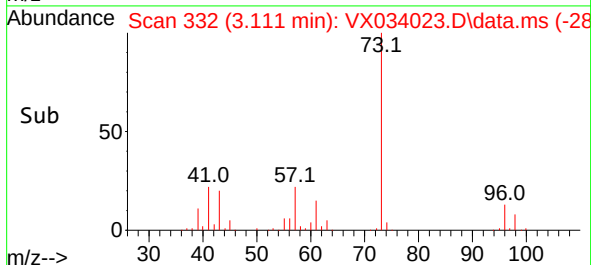
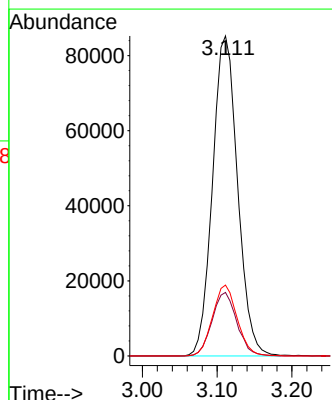
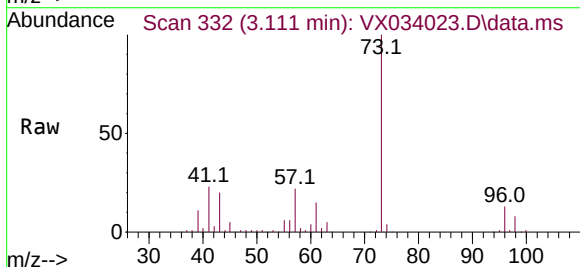
Tgt Ion: 73 Resp: 198883

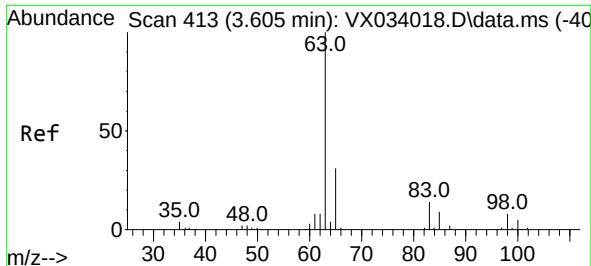
Ion Ratio Lower Upper

73 100

43 19.7 15.6 23.4

57 21.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 52.956 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

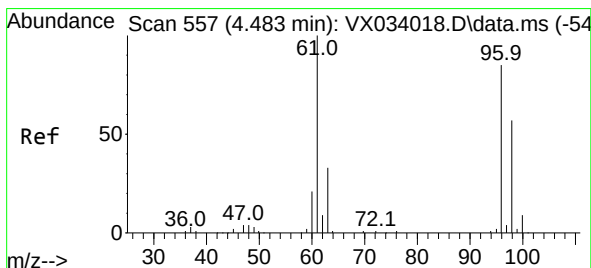
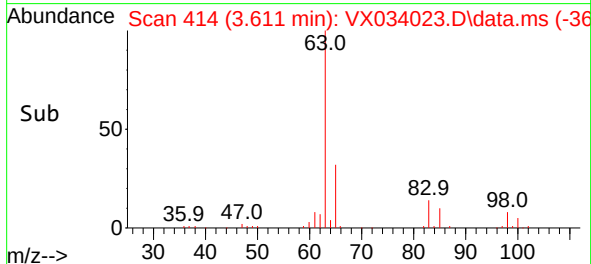
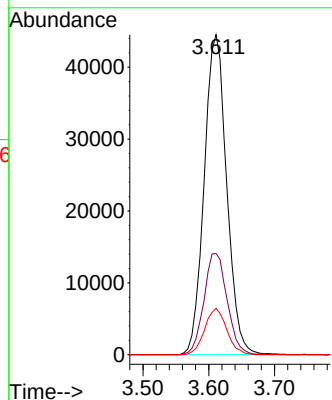
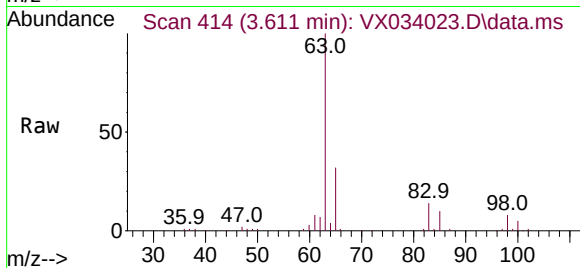
Tgt Ion: 63 Resp: 105880

Ion Ratio Lower Upper

63 100

65 31.6 21.9 40.7

83 14.5 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 54.011 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

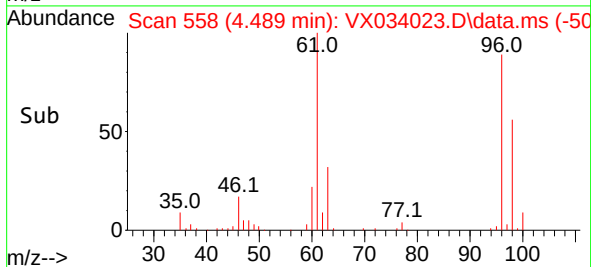
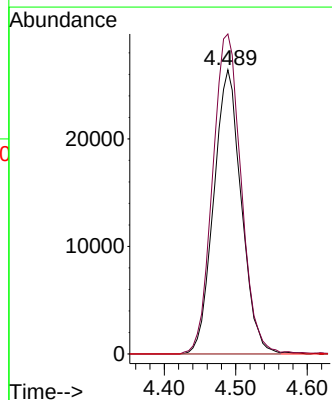
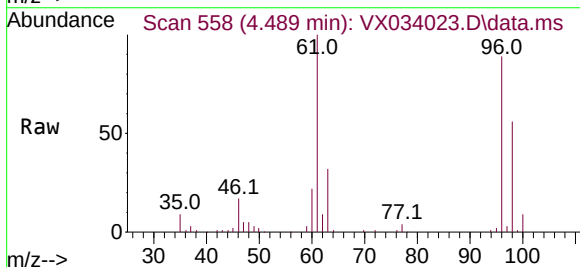
Tgt Ion: 96 Resp: 70713

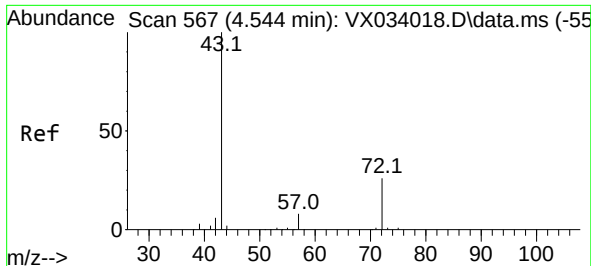
Ion Ratio Lower Upper

96 100

61 112.6 80.3 149.1

68 0.0 0.0 0.0

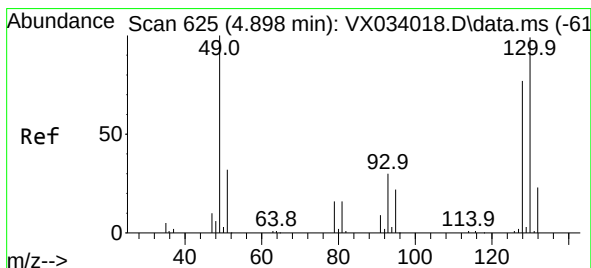
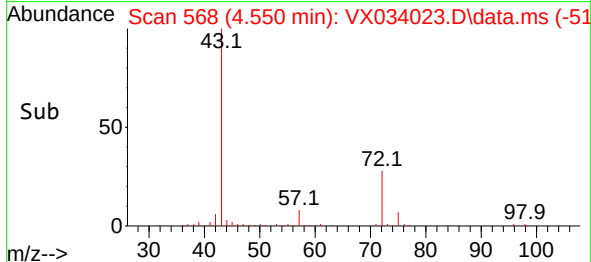
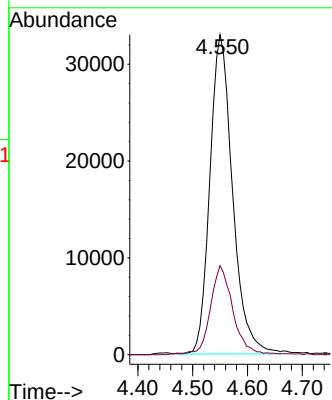
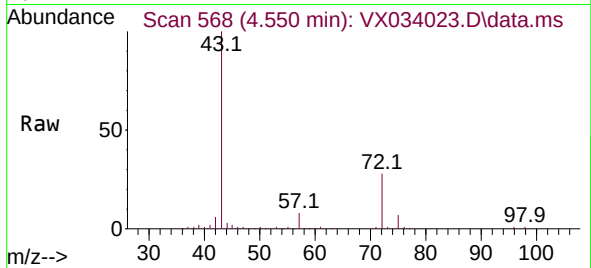




#22
2-Butanone
Concen: 107.620 ug/L
RT: 4.550 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

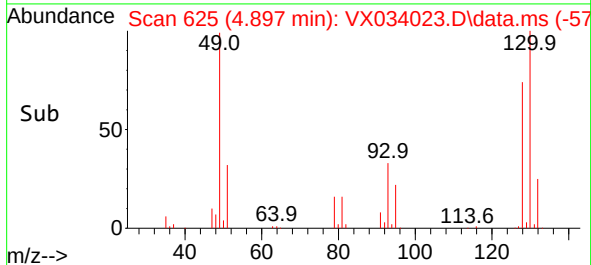
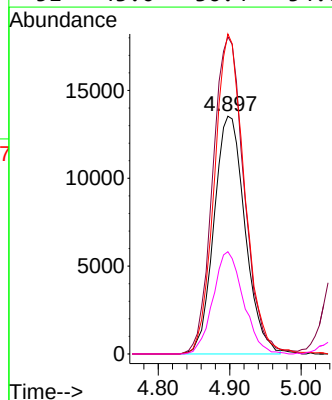
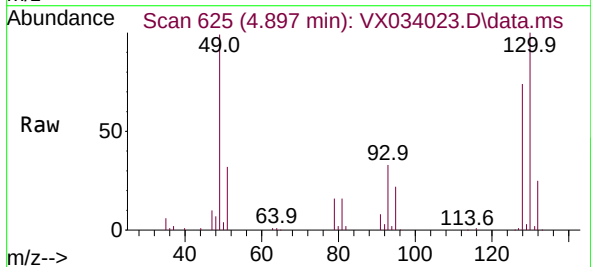
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

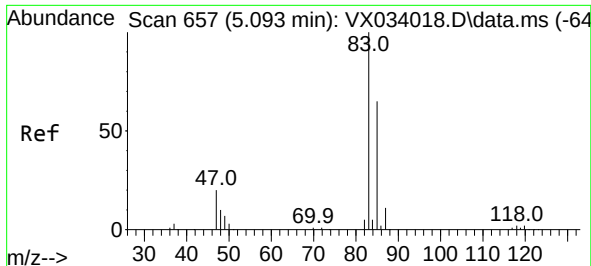
Tgt Ion: 43 Resp: 94681
Ion Ratio Lower Upper
43 100
72 26.0 13.2 39.6



#23
Bromochloromethane
Concen: 56.755 ug/L
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion:128 Resp: 40790
Ion Ratio Lower Upper
128 100
49 133.4 94.7 175.9
130 134.6 91.3 169.6
51 43.0 36.4 54.6

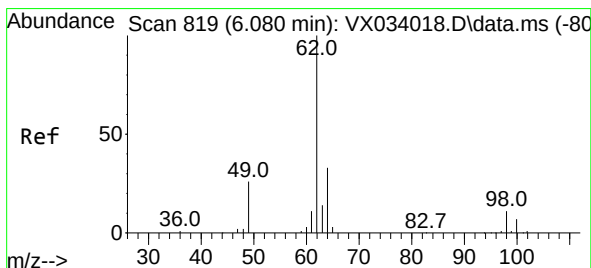
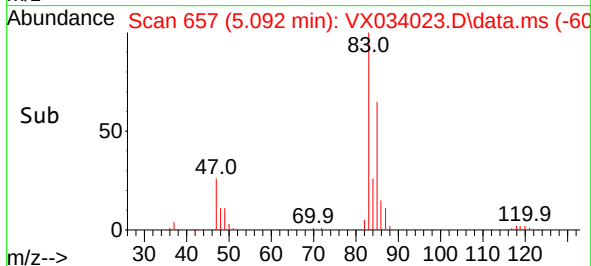
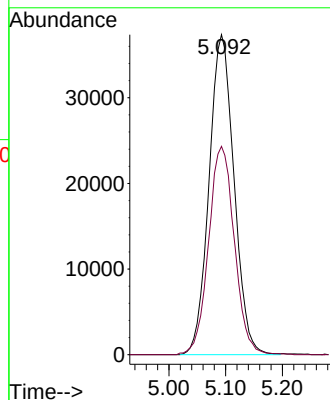
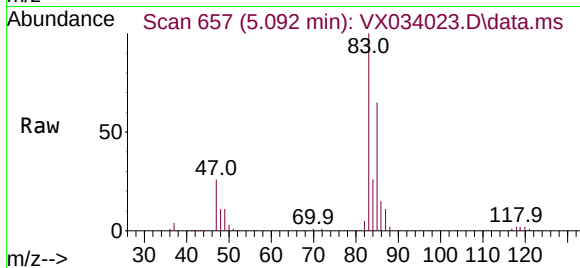




#25
Chloroform
Concen: 55.389 ug/L
RT: 5.092 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

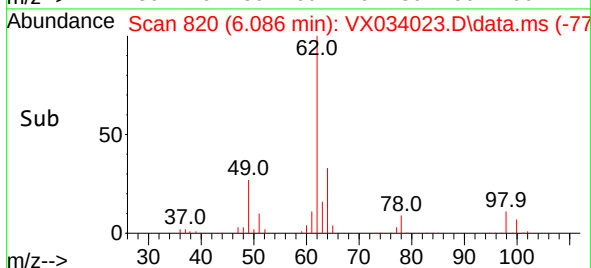
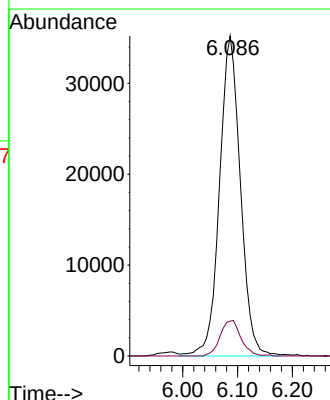
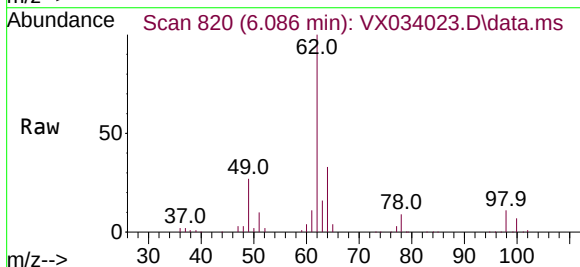
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

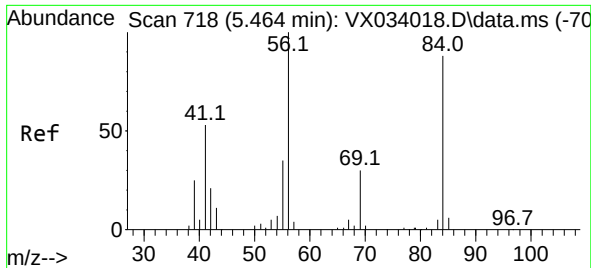
Tgt Ion: 83 Resp: 114360
Ion Ratio Lower Upper
83 100
85 65.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 58.875 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 62 Resp: 93297
Ion Ratio Lower Upper
62 100
98 10.8 9.1 13.7

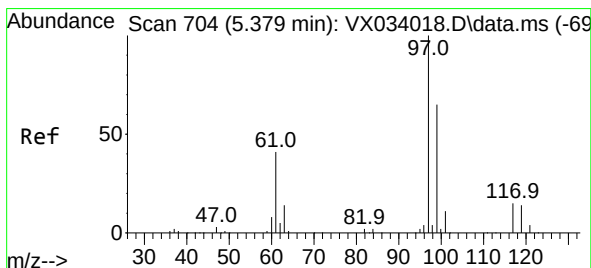
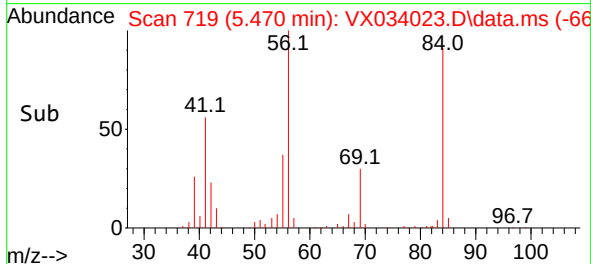
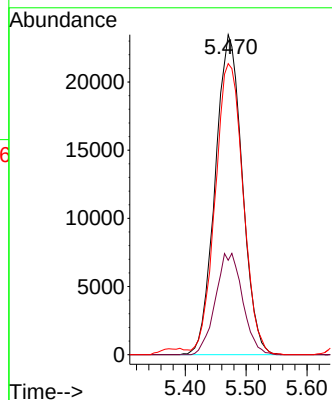
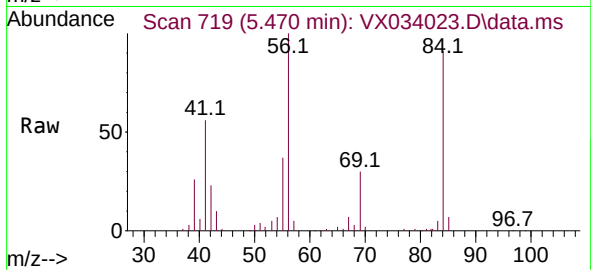




#29
Cyclohexane
Concen: 37.728 ug/L
RT: 5.470 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

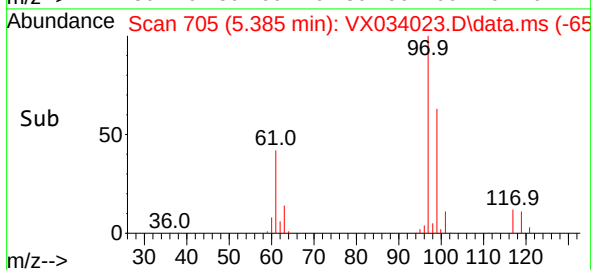
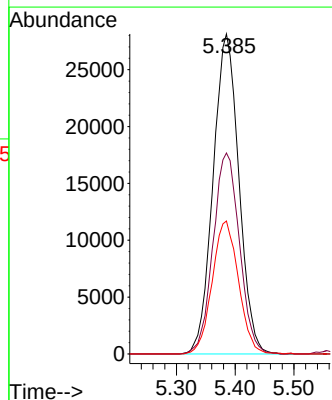
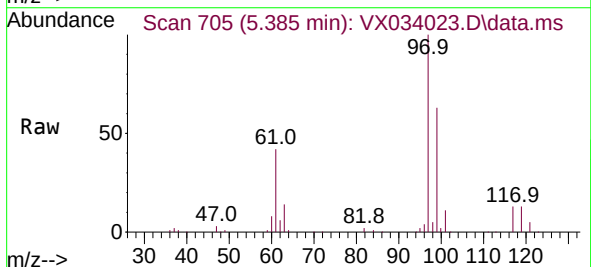
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

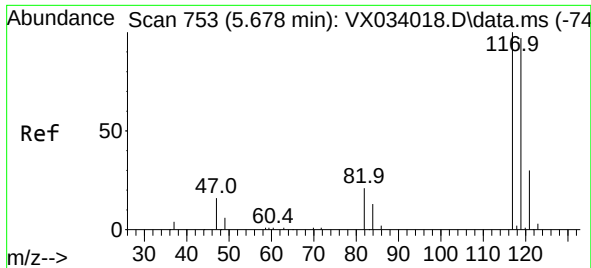
Tgt Ion: 56 Resp: 72455
Ion Ratio Lower Upper
56 100
69 31.7 24.8 37.2
84 93.2 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 48.376 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 97 Resp: 85854
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.8
61 42.2 34.7 52.1

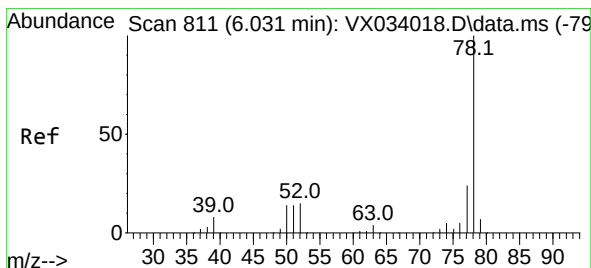
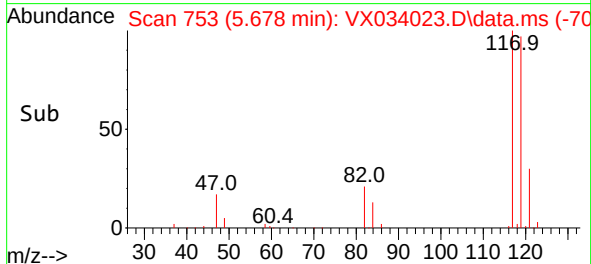
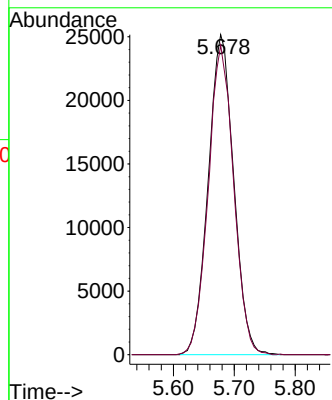
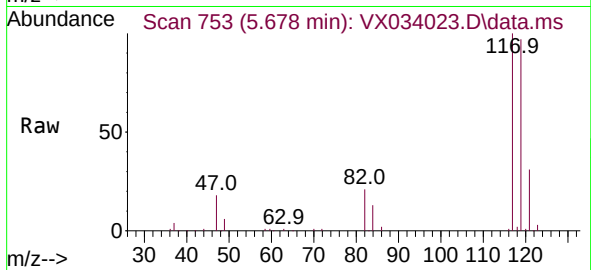




#31
Carbon tetrachloride
Concen: 44.303 ug/L
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

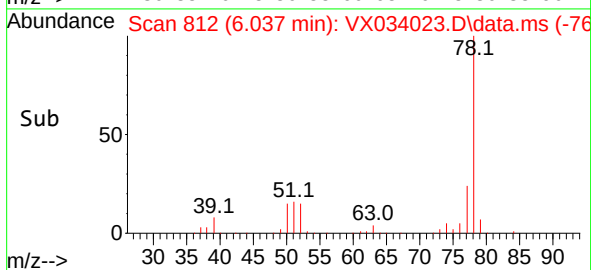
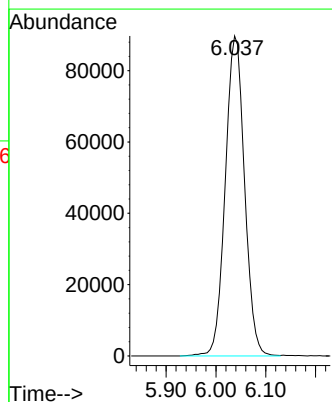
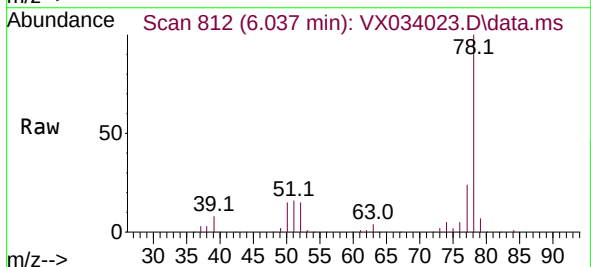
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

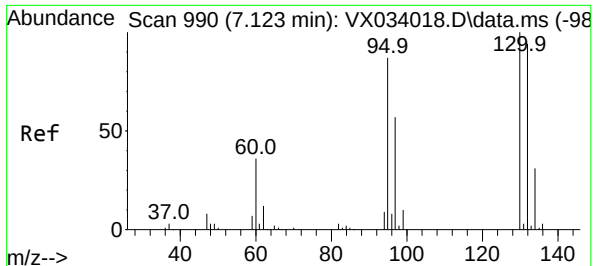
Tgt Ion:117 Resp: 73150
Ion Ratio Lower Upper
117 100
119 96.2 77.1 115.7



#33
Benzene
Concen: 51.571 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 78 Resp: 240789

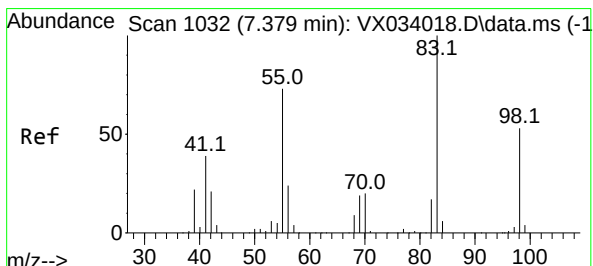
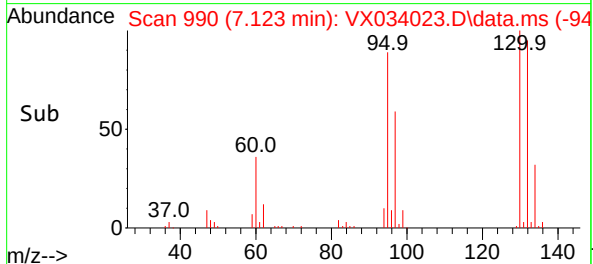
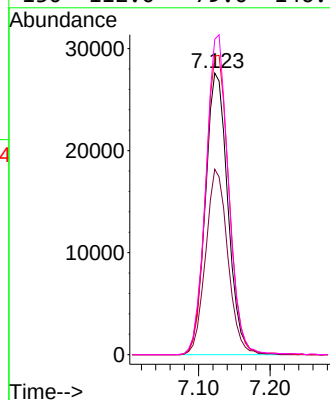
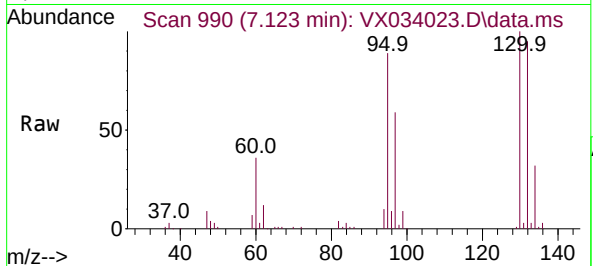




#34
Trichloroethene
Concen: 47.776 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

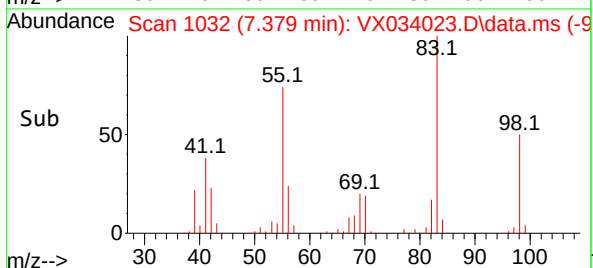
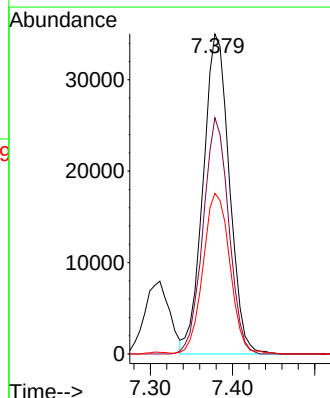
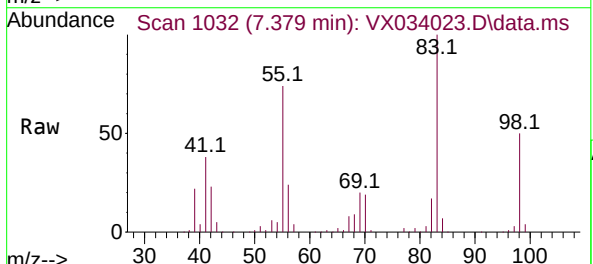
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

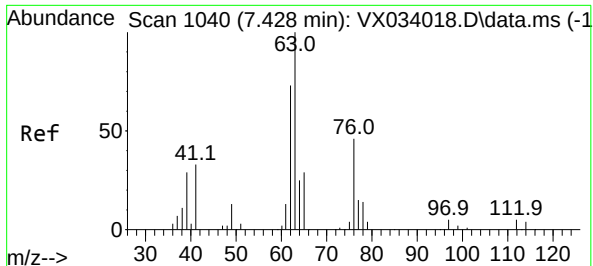
Tgt Ion: 95 Resp: 60456
Ion Ratio Lower Upper
95 100
97 65.9 46.8 87.0
132 106.1 76.2 141.4
130 112.0 79.0 146.6



#35
Methylcyclohexane
Concen: 38.395 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 83 Resp: 77473
Ion Ratio Lower Upper
83 100
55 72.0 59.0 88.4
98 50.6 40.6 60.8





#37

1,2-Dichloropropane

Concen: 54.783 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

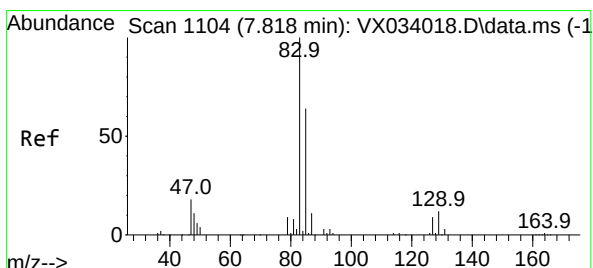
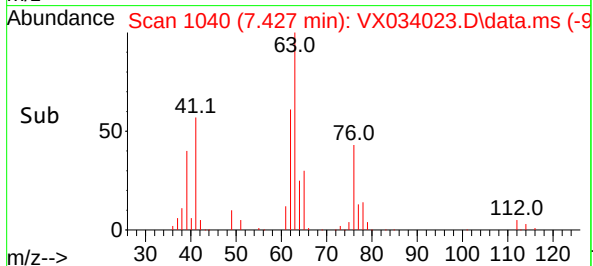
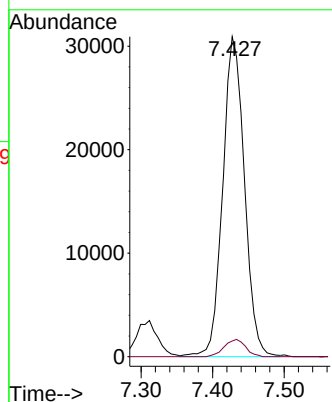
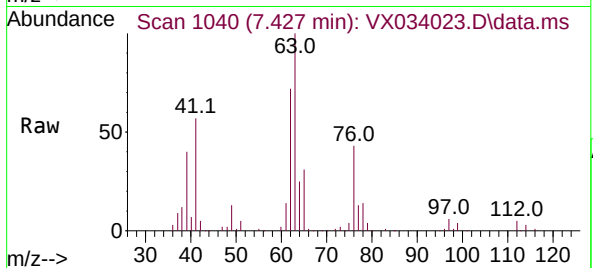
VSTD050619

Tgt Ion: 63 Resp: 65149

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



#38

Bromodichloromethane

Concen: 56.818 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

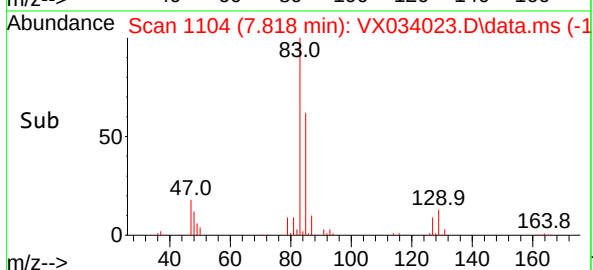
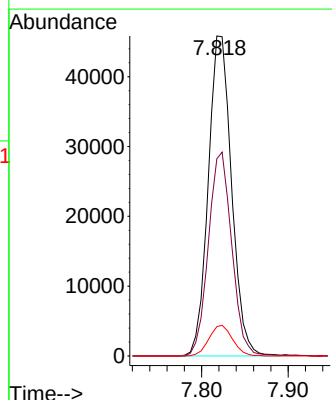
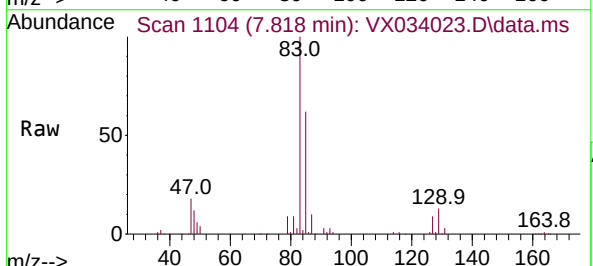
Tgt Ion: 83 Resp: 85916

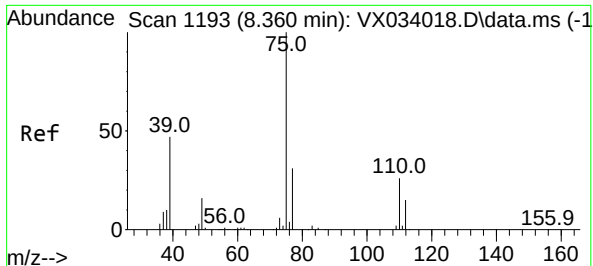
Ion Ratio Lower Upper

83 100

85 61.6 46.3 85.9

127 9.2 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 55.728 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

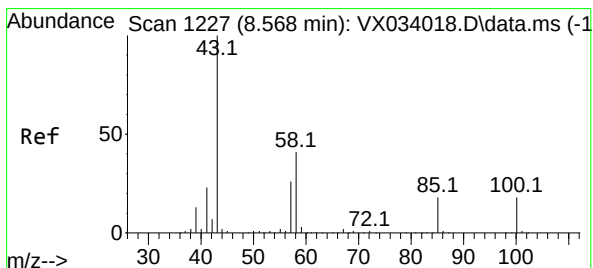
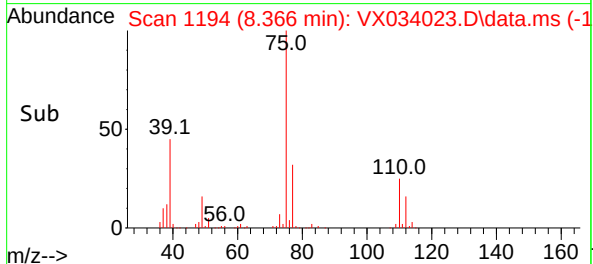
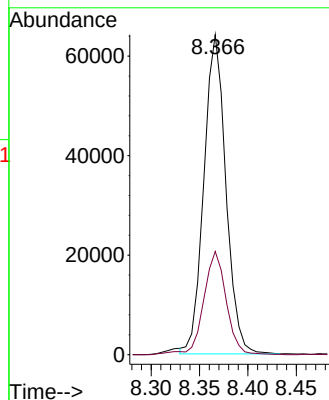
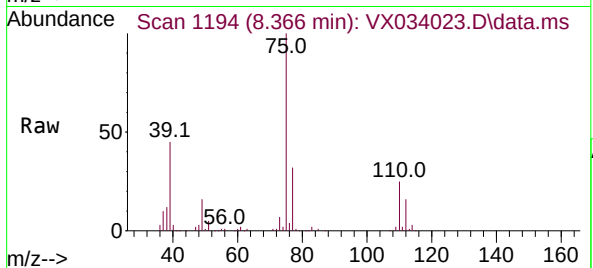
VSTD050619

Tgt Ion: 75 Resp: 101720

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 123.348 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

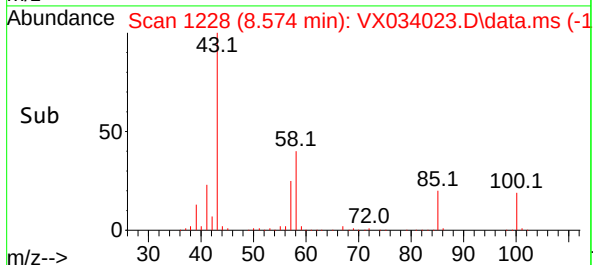
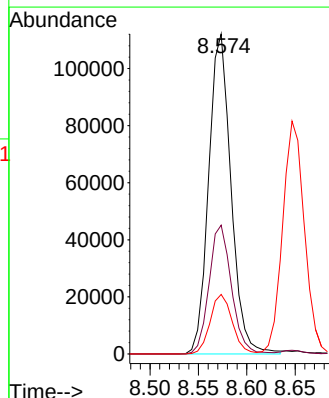
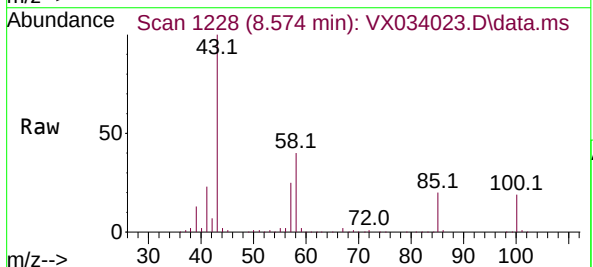
Tgt Ion: 43 Resp: 180514

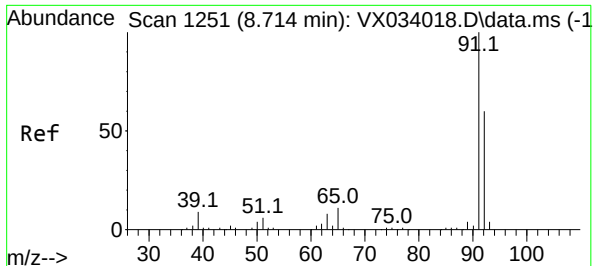
Ion Ratio Lower Upper

43 100

58 40.4 31.9 47.9

100 18.4 14.4 21.6





#42

Toluene

Concen: 49.517 ug/L

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

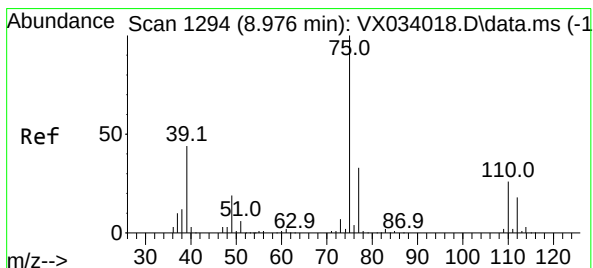
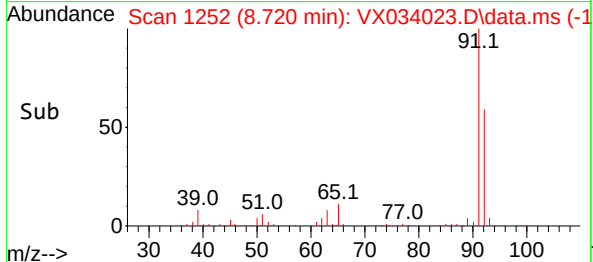
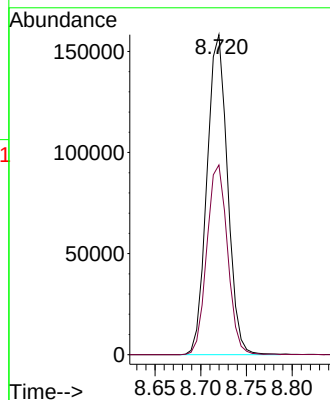
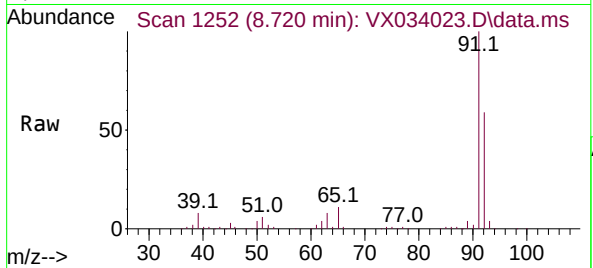
VSTD050619

Tgt Ion: 91 Resp: 247318

Ion Ratio Lower Upper

91 100

92 59.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 56.905 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX034023.D

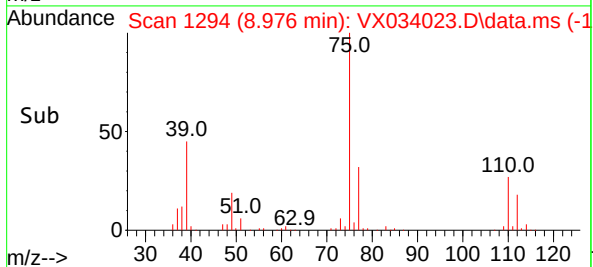
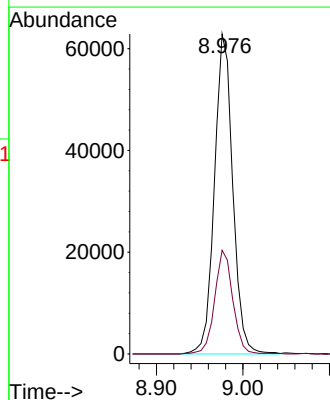
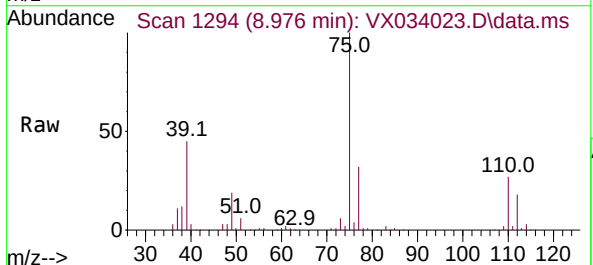
Acq: 06 Feb 2023 13:22

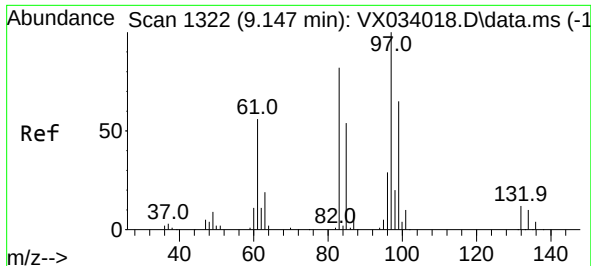
Tgt Ion: 75 Resp: 92428

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3

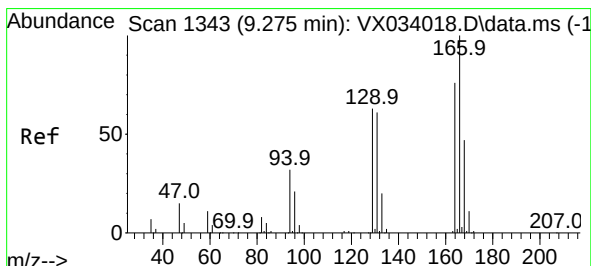
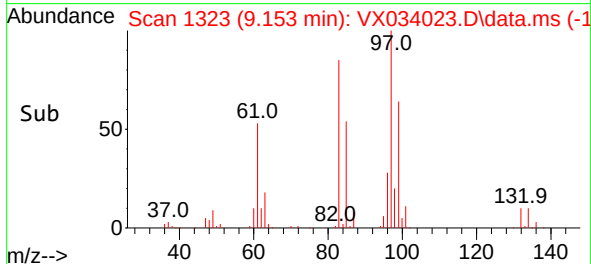
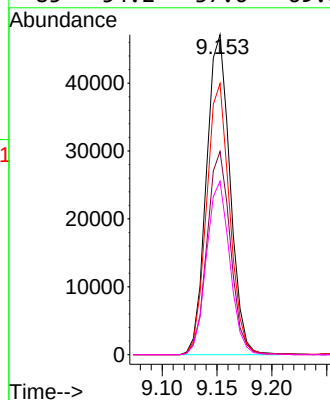
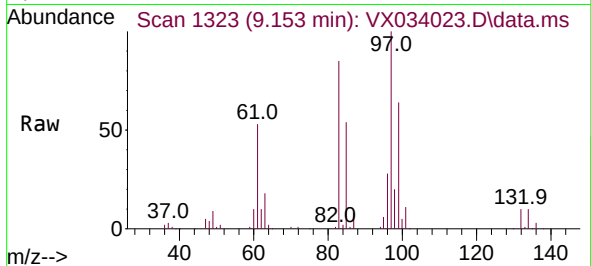




#45
1,1,2-Trichloroethane
Concen: 58.668 ug/L
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

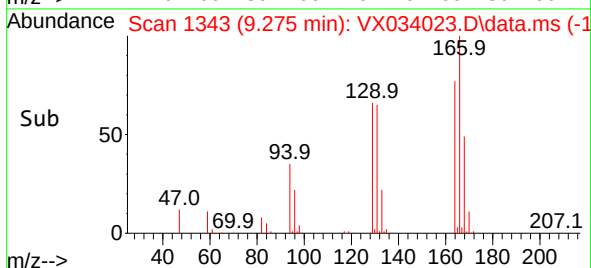
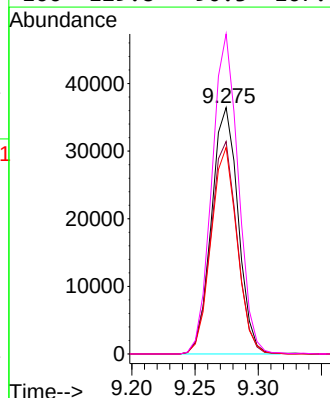
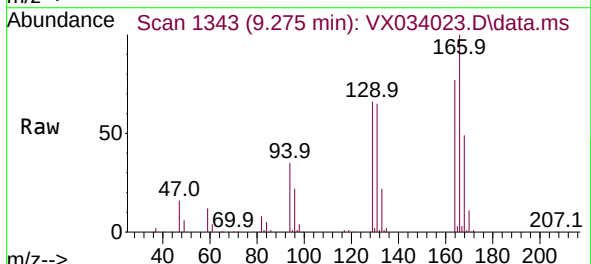
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

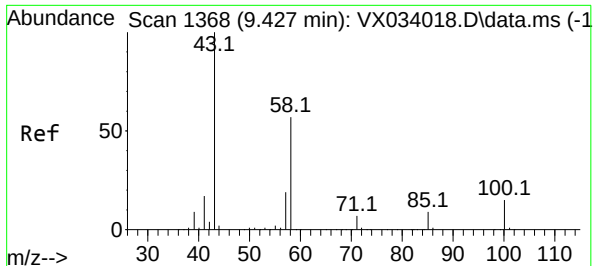
Tgt Ion: 97	Resp: 70625
Ion Ratio	Lower Upper
97	100
99	63.5 43.5 80.9
83	84.7 56.8 105.4
85	54.2 37.6 69.8



#46
Tetrachloroethene
Concen: 43.995 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 164	Resp: 53451
Ion Ratio	Lower Upper
164	100
129	86.2 59.3 110.1
131	83.8 56.1 104.3
166	129.8 90.3 167.7



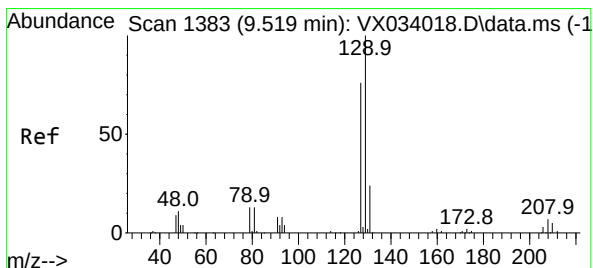
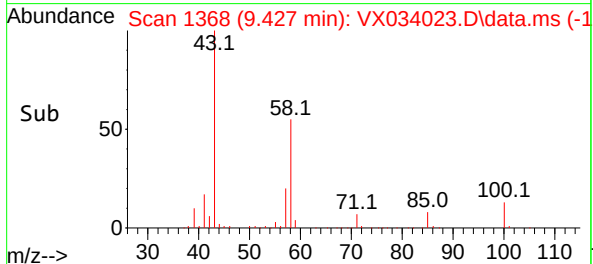
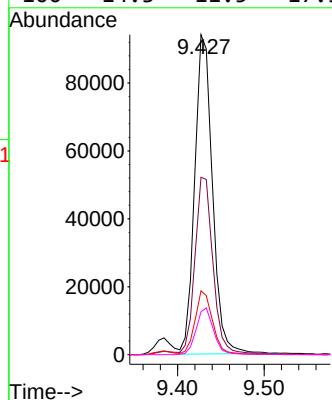
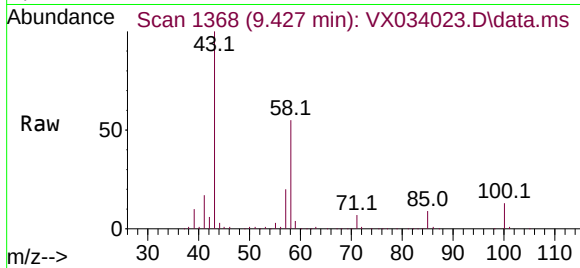


#48
2-Hexanone
Concen: 115.100 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

Tgt Ion: 43 Resp: 134237

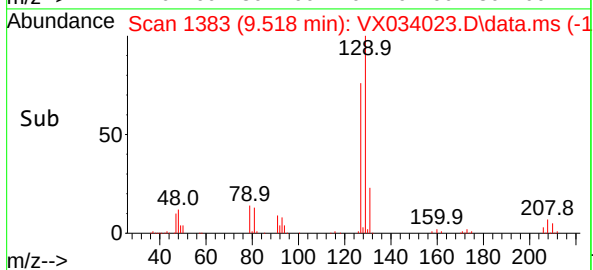
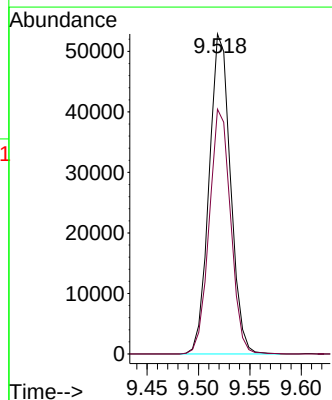
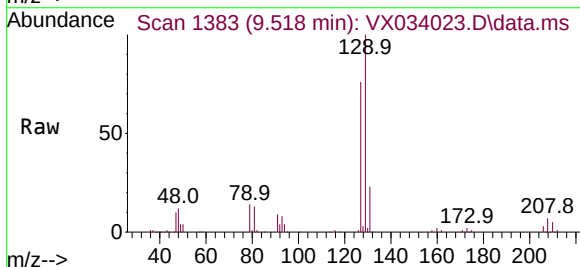
Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.7	68.5
57	19.8	15.8	23.8
100	14.3	11.5	17.3

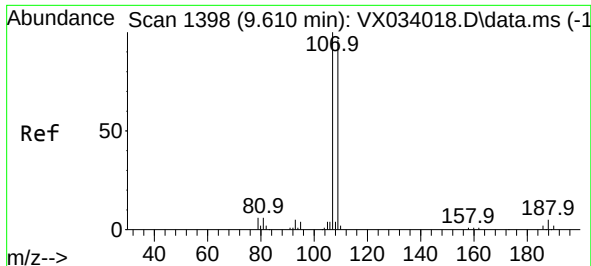


#49
Dibromochloromethane
Concen: 58.988 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion: 129 Resp: 76617

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.3	98.9





#50

1,2-Dibromoethane

Concen: 58.077 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

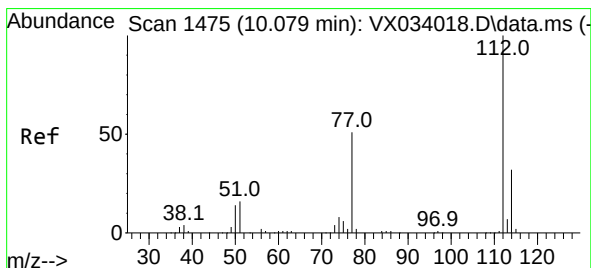
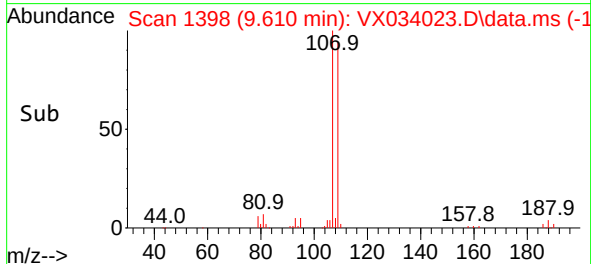
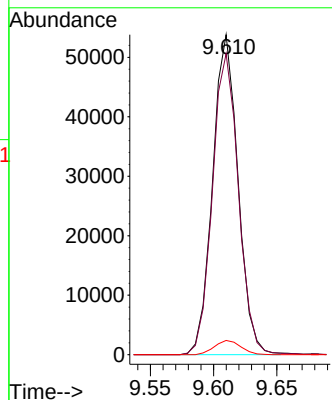
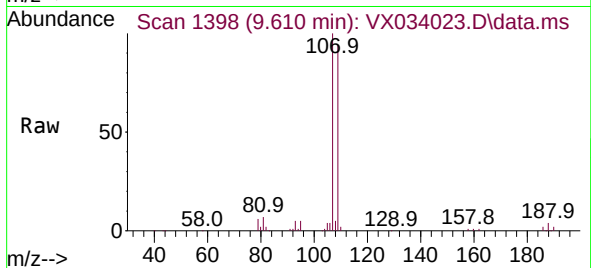
Tgt Ion:107 Resp: 75130

Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

188 4.5 3.3 4.9



#51

Chlorobenzene

Concen: 50.551 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

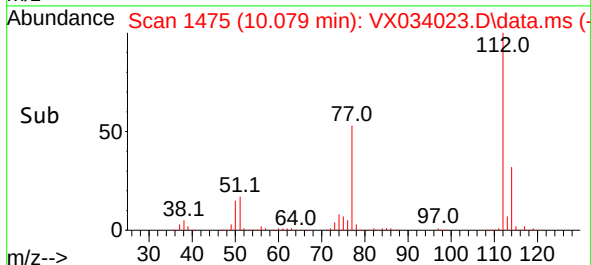
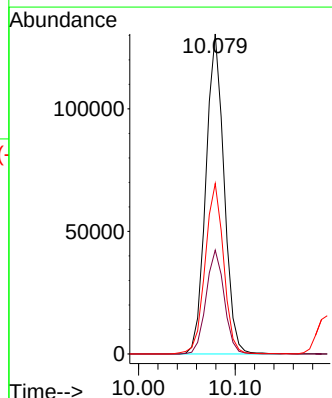
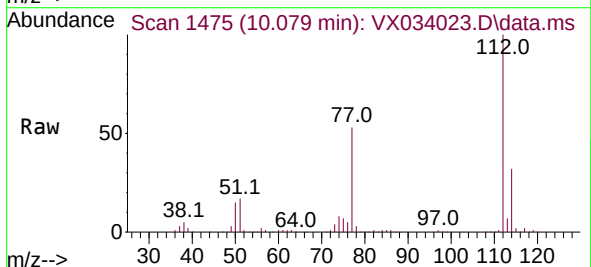
Tgt Ion:112 Resp: 170574

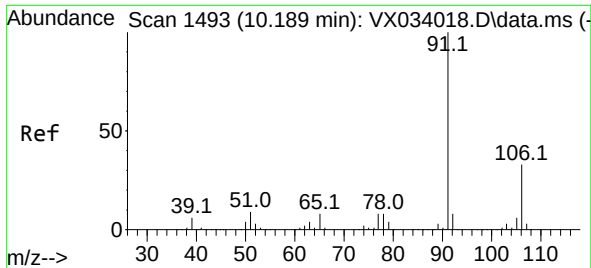
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 53.3 43.4 65.0

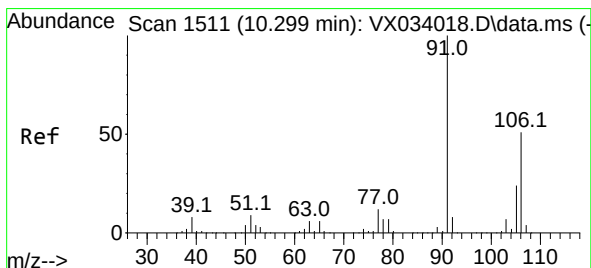
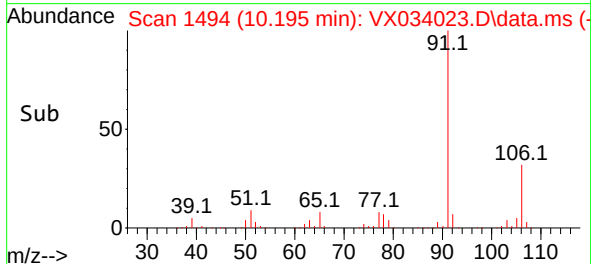
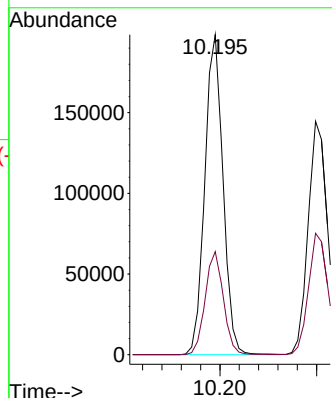
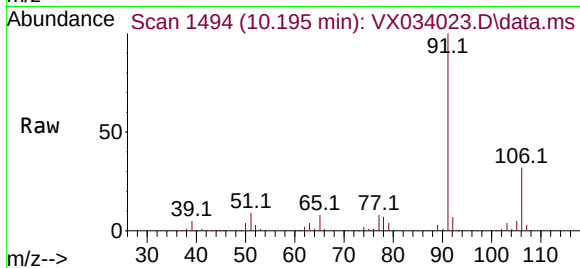




#52
Ethylbenzene
Concen: 47.309 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

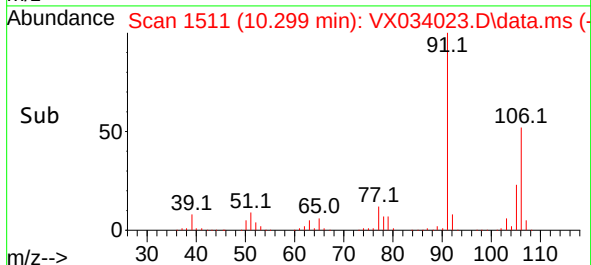
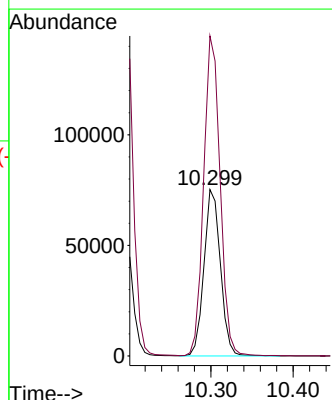
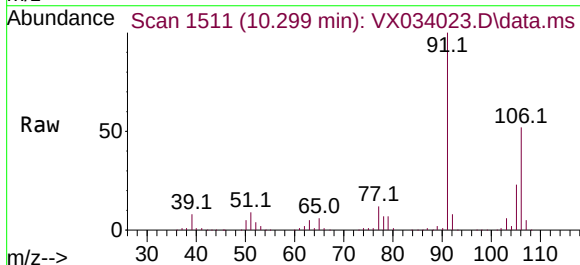
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

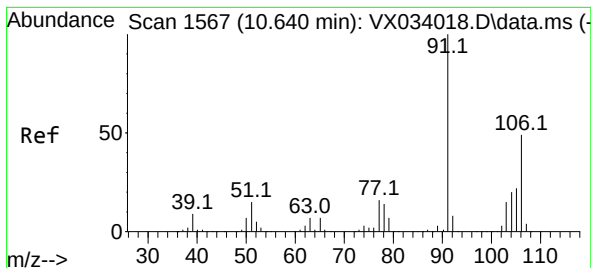
Tgt Ion: 91 Resp: 259674
Ion Ratio Lower Upper
91 100
106 32.2 23.2 43.0



#53
m,p-Xylene
Concen: 47.482 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion:106 Resp: 104618
Ion Ratio Lower Upper
106 100
91 192.3 135.2 251.0





#54

o-Xylene

Concen: 49.870 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

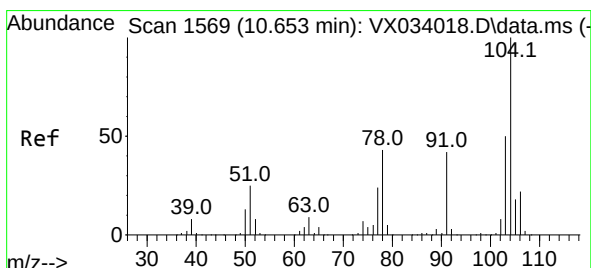
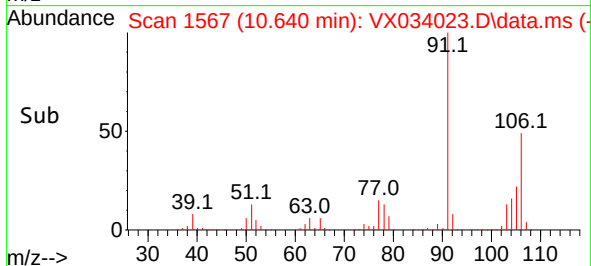
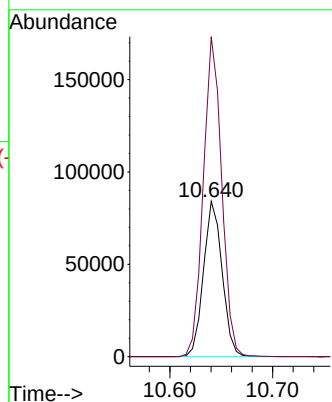
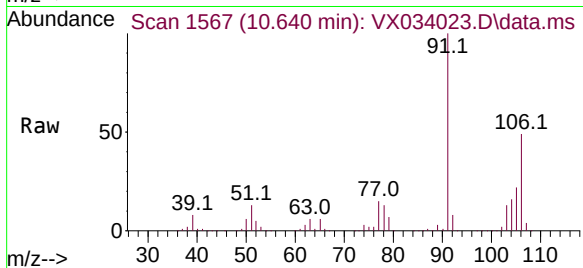
VSTD050619

Tgt Ion:106 Resp: 106154

Ion Ratio Lower Upper

106 100

91 206.0 140.2 260.4



#55

Styrene

Concen: 51.632 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX034023.D

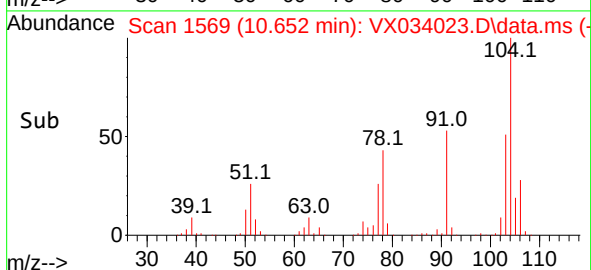
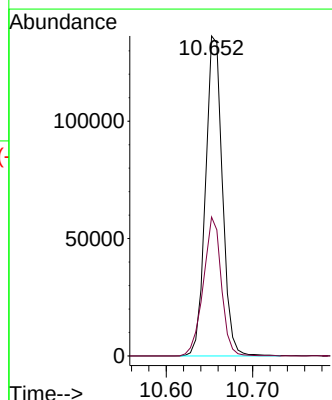
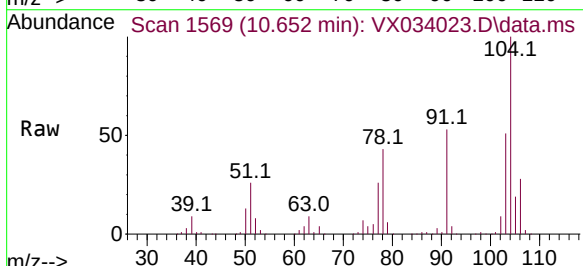
Acq: 06 Feb 2023 13:22

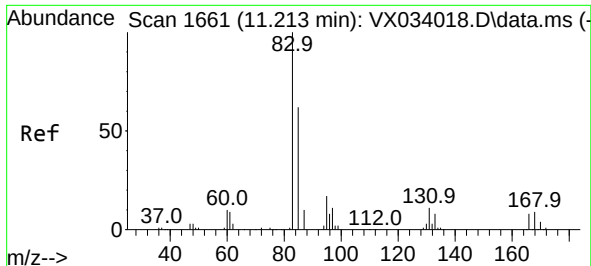
Tgt Ion:104 Resp: 184377

Ion Ratio Lower Upper

104 100

78 43.4 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 60.073 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

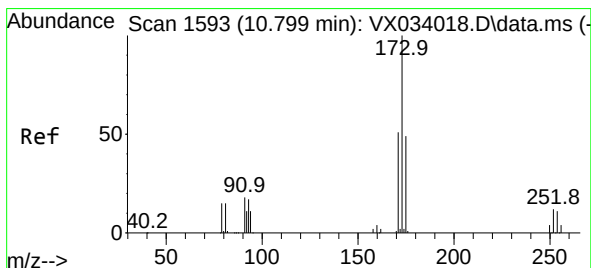
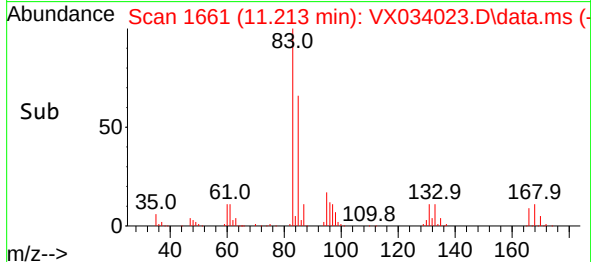
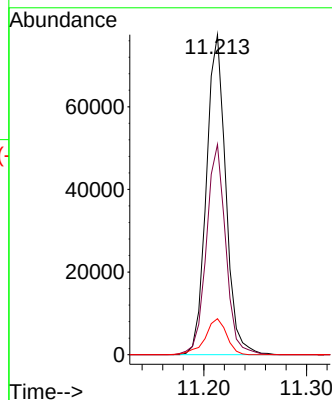
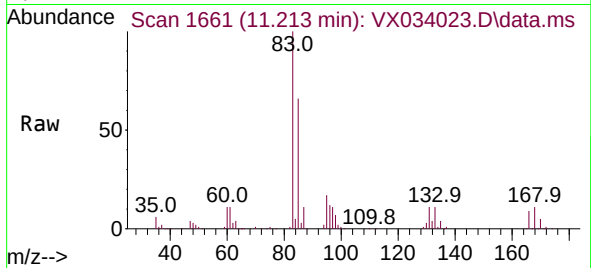
Tgt Ion: 83 Resp: 101664

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0

131 11.2 9.1 13.7



#59

Bromoform

Concen: 63.119 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

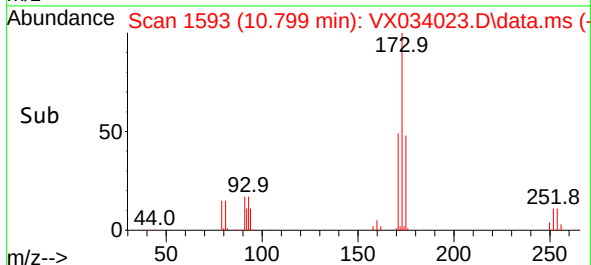
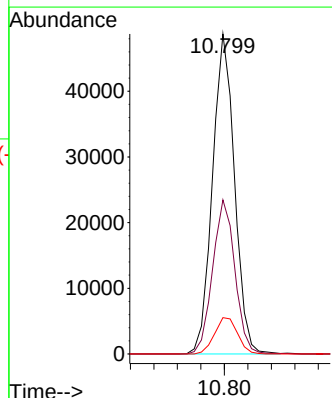
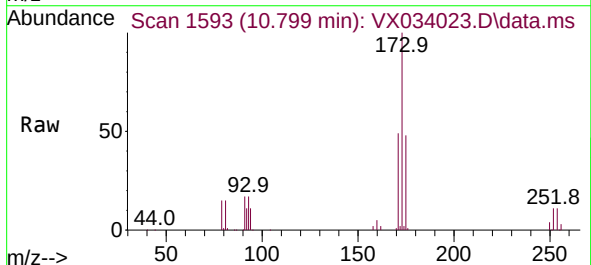
Tgt Ion:173 Resp: 63380

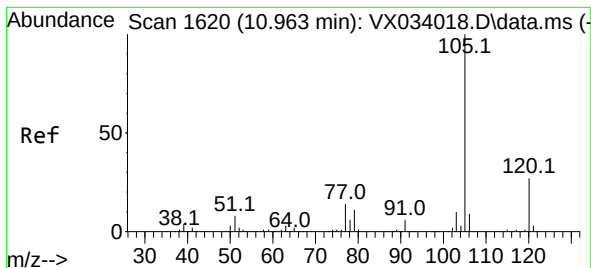
Ion Ratio Lower Upper

173 100

175 48.9 38.3 57.5

254 11.9 9.1 13.7





#60

Isopropylbenzene

Concen: 47.963 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

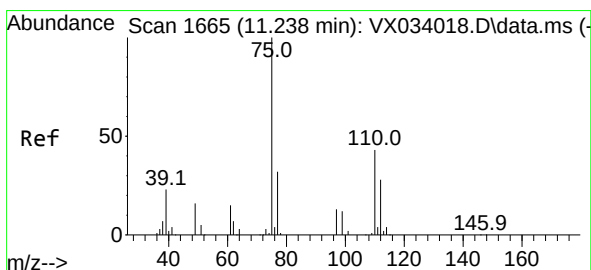
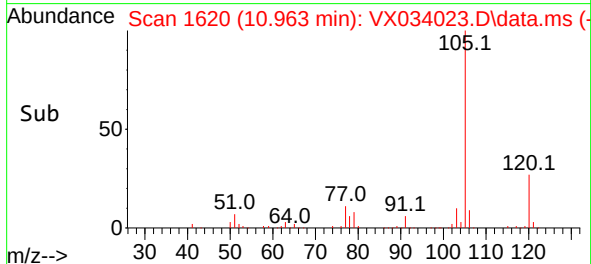
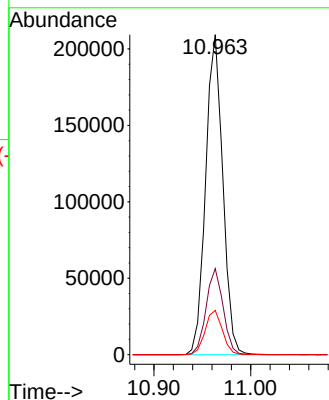
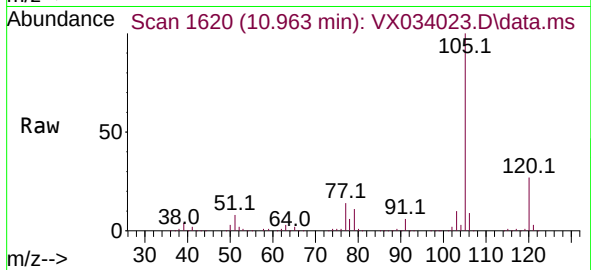
Tgt Ion:105 Resp: 258539

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

77 14.0 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 61.503 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

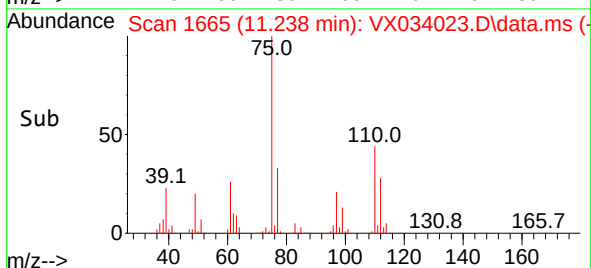
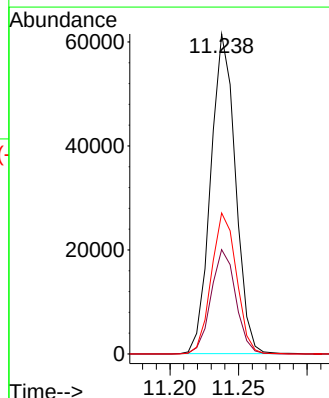
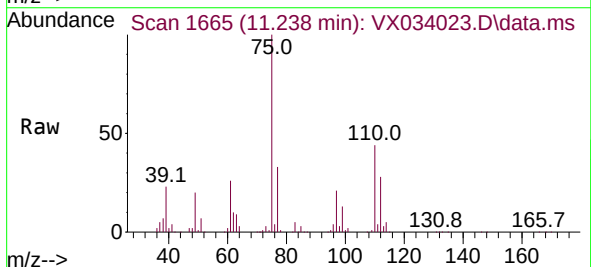
Tgt Ion: 75 Resp: 77038

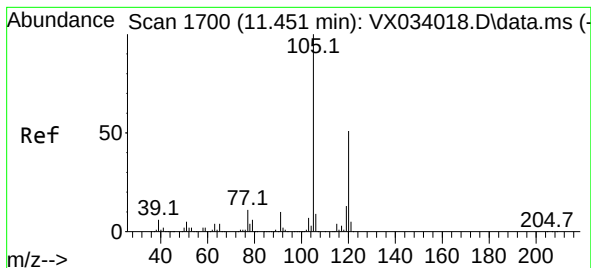
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

110 44.8 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 49.674 ug/L

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

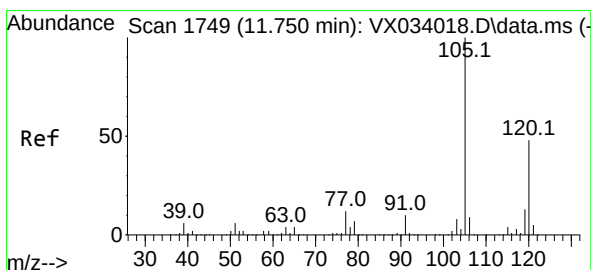
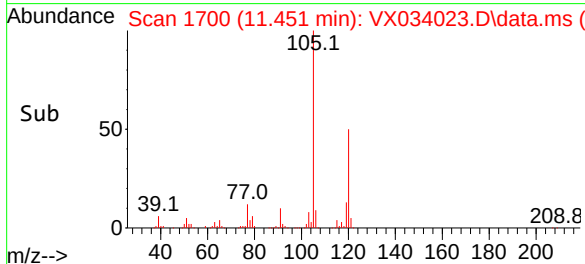
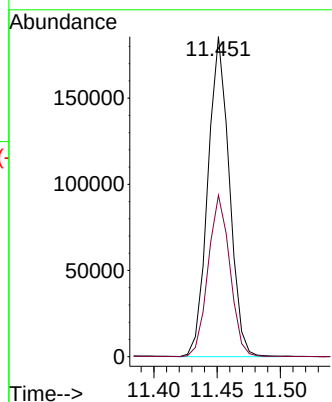
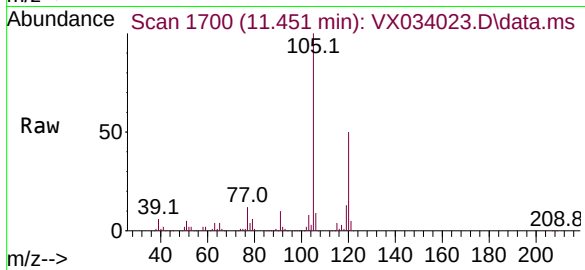
VSTD050619

Tgt Ion:105 Resp: 219169

Ion Ratio Lower Upper

105 100

120 51.2 41.3 61.9



#63

1,2,4-Trimethylbenzene

Concen: 50.677 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034023.D

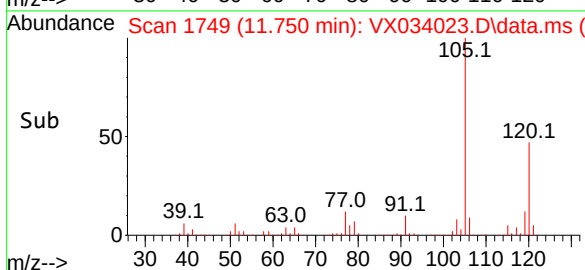
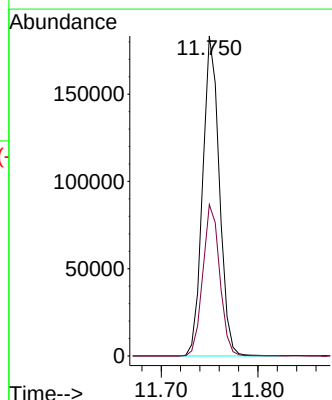
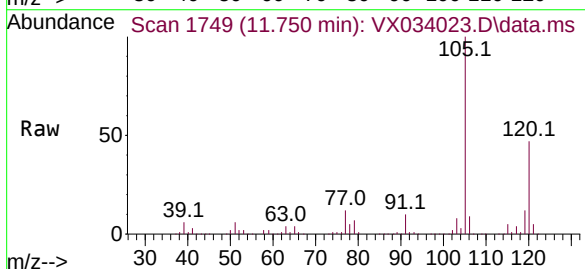
Acq: 06 Feb 2023 13:22

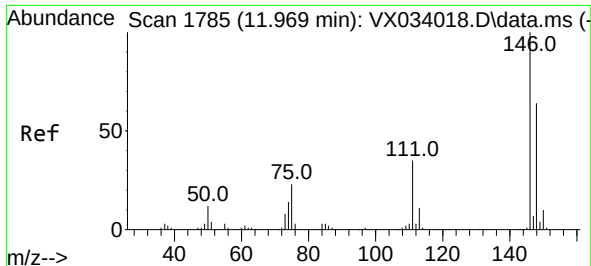
Tgt Ion:105 Resp: 220389

Ion Ratio Lower Upper

105 100

120 47.9 38.5 57.7

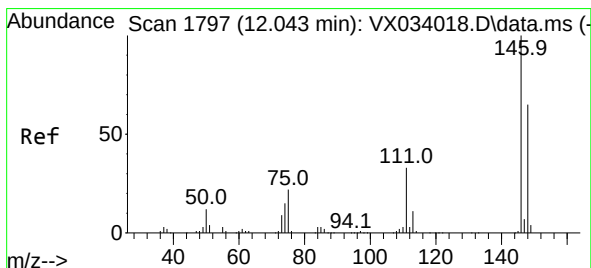
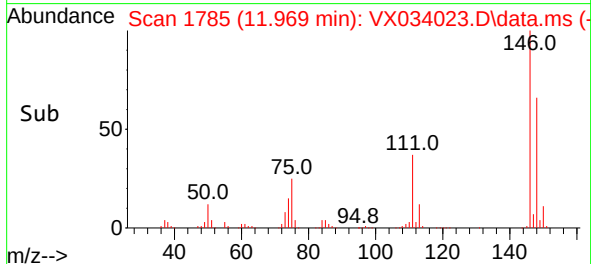
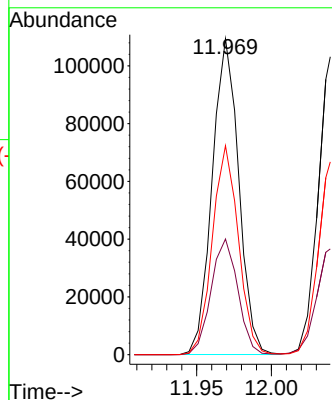
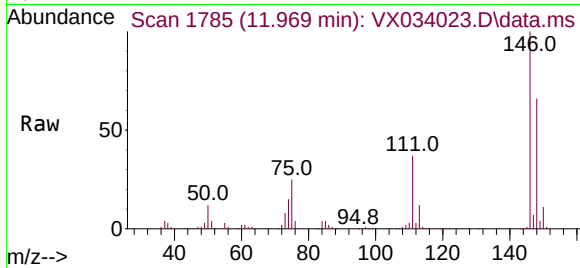




#64
1,3-Dichlorobenzene
Concen: 50.305 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

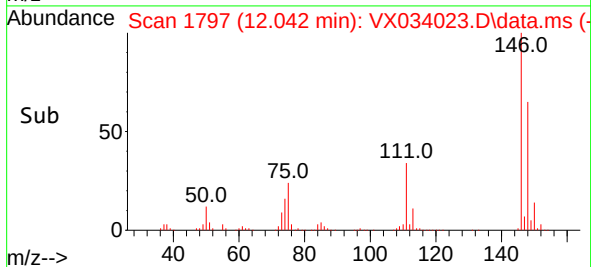
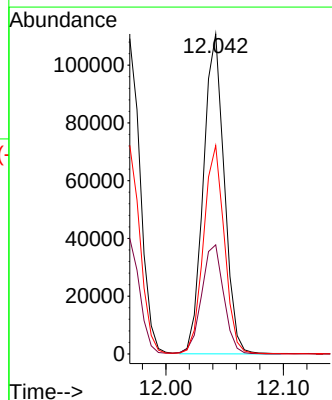
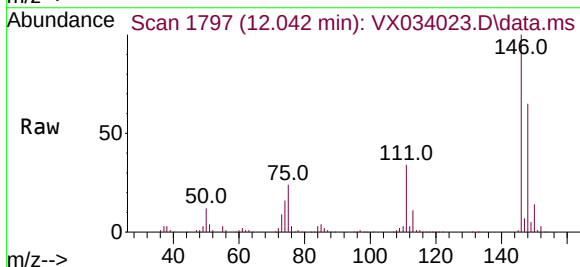
Instrument :
MSVOA_X
ClientSampleId :
VSTD050619

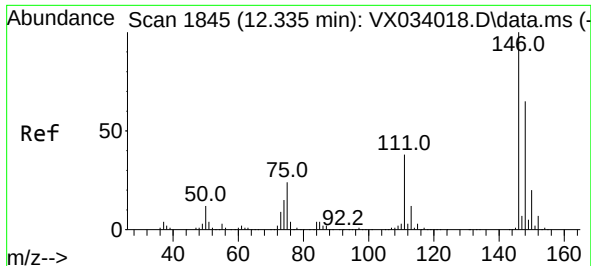
Tgt Ion:146 Resp: 134835
Ion Ratio Lower Upper
146 100
111 36.6 25.5 47.3
148 66.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 50.415 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034023.D
Acq: 06 Feb 2023 13:22

Tgt Ion:146 Resp: 136760
Ion Ratio Lower Upper
146 100
111 34.1 23.7 44.1
148 65.1 45.0 83.6

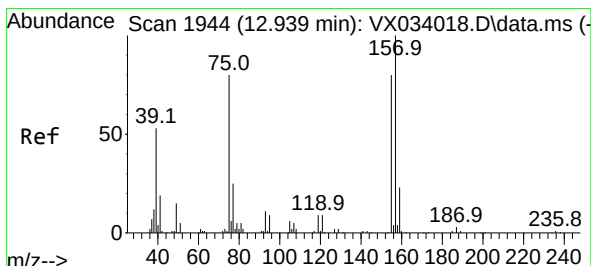
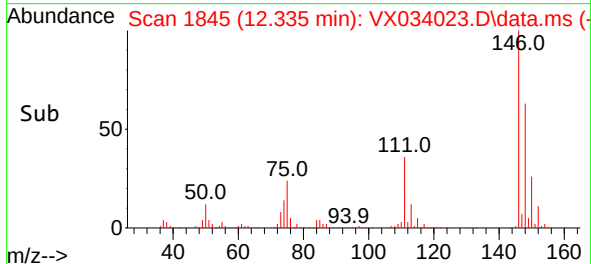
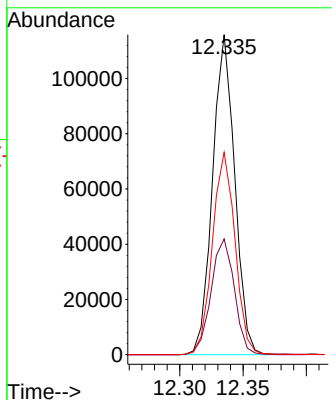
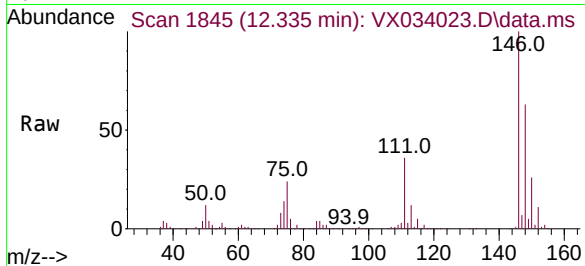




#67
 1,2-Dichlorobenzene
 Concen: 53.803 ug/L
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

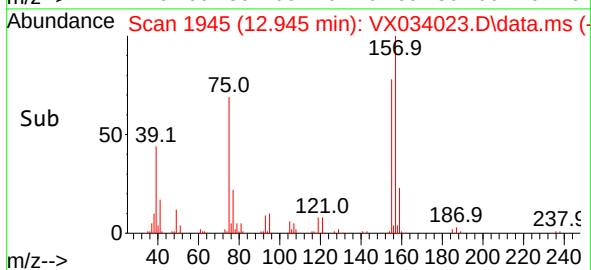
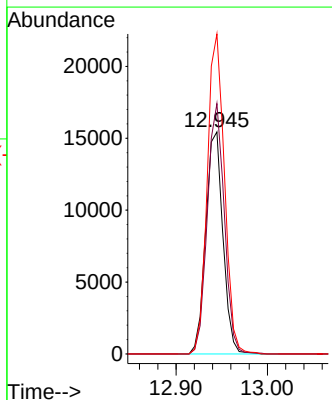
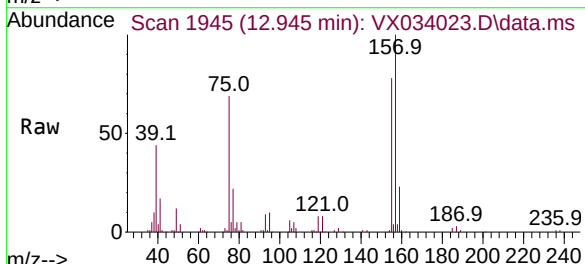
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050619

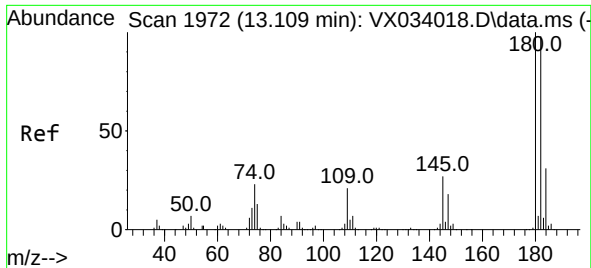
Tgt Ion:146 Resp: 141014
 Ion Ratio Lower Upper
 146 100
 111 36.2 30.4 45.6
 148 63.2 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 65.650 ug/L
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

Tgt Ion: 75 Resp: 20147
 Ion Ratio Lower Upper
 75 100
 155 112.8 89.0 133.6
 157 144.1 116.9 175.3

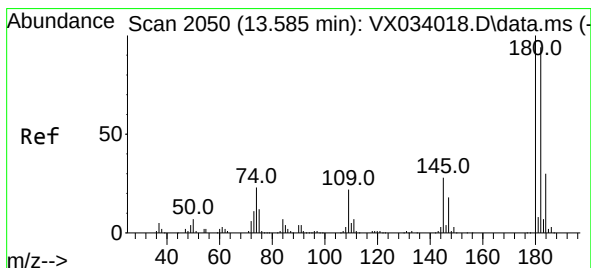
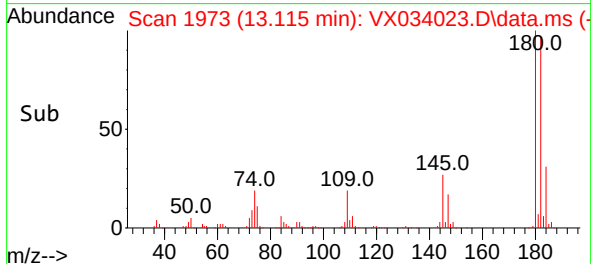
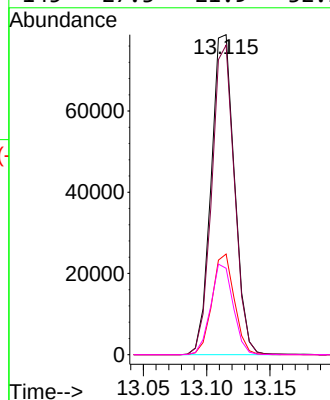
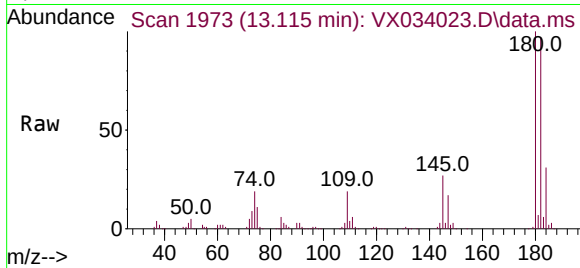




#69
 1,3,5-Trichlorobenzene
 Concen: 49.988 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. 0.006 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

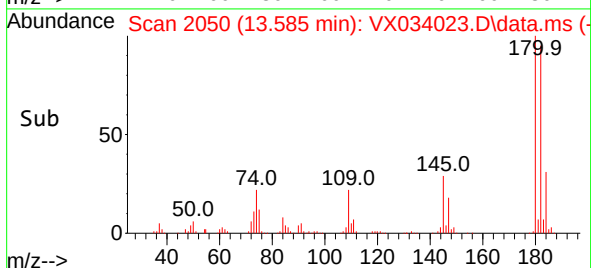
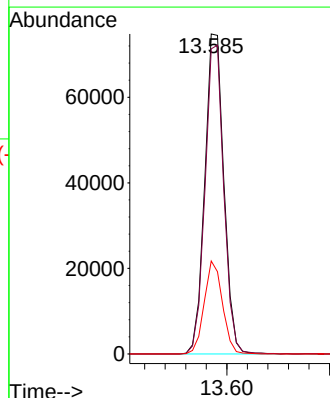
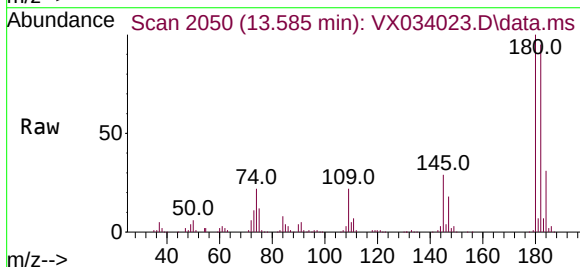
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050619

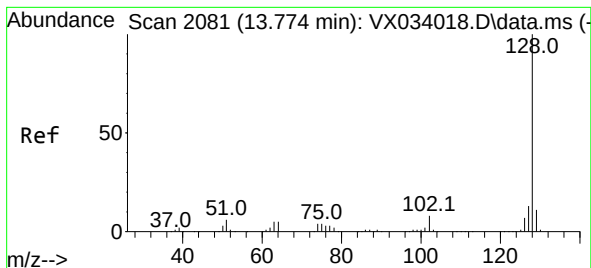
Tgt Ion:180 Resp: 101043
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.3 115.9
 184 30.0 24.5 36.7
 145 27.3 21.9 32.9



#70
 1,2,4-trichlorobenzene
 Concen: 52.660 ug/L
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX034023.D
 Acq: 06 Feb 2023 13:22

Tgt Ion:180 Resp: 96630
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 145 27.8 22.3 33.5





#71

Naphthalene

Concen: 61.762 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Instrument :

MSVOA_X

ClientSampleId :

VSTD050619

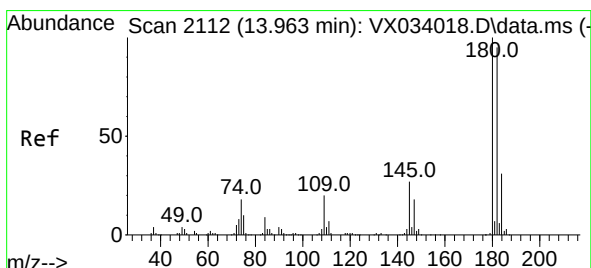
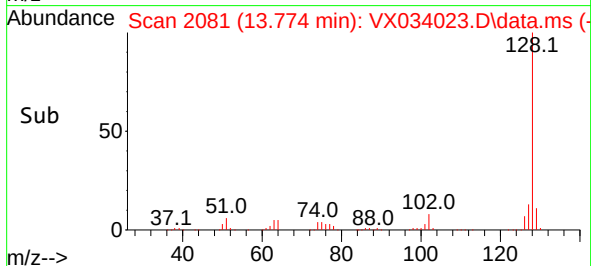
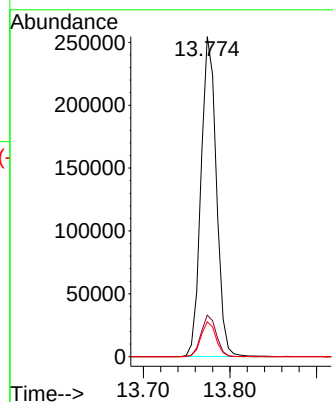
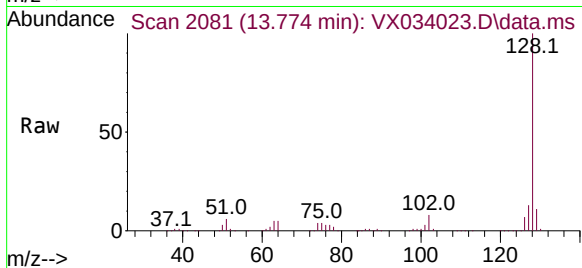
Tgt Ion:128 Resp: 313758

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.076 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034023.D

Acq: 06 Feb 2023 13:22

Tgt Ion:180 Resp: 99768

Ion Ratio Lower Upper

180 100

182 94.5 77.1 115.7

145 29.8 23.5 35.3

