

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042023\
 Data File : VX035223.D
 Acq On : 20 Apr 2023 18:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 23:32:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 23:27:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	477693	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	420775	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	210963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	118813	38.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.140%
7) Chloroethane-d5	1.673	69	92687	41.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.280%
11) 1,1-Dichloroethene-d2	2.307	65	62161	42.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.360%
21) 2-Butanone-d5	4.471	46	203644	99.212	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.210%
24) Chloroform-d	5.056	84	270475	46.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
26) 1,2-Dichloroethane-d4	5.958	65	170719	45.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
32) Benzene-d6	5.977	84	545654	45.143	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
36) 1,2-Dichloropropane-d6	7.306	67	171126	46.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.700%
41) Toluene-d8	8.647	98	493765	44.697	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.952	79	71445	44.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
47) 2-Hexanone-d5	9.385	63	147041	99.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.170%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	219910	48.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.260%
66) 1,2-Dichlorobenzene-d4	12.323	152	192626	47.117	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	171441	47.887	ug/L	99
3) Chloromethane	1.295	50	145089	44.531	ug/L	99
5) Vinyl chloride	1.374	62	149291	44.155	ug/L	99
6) Bromomethane	1.618	94	83295	41.479	ug/L	97
8) Chloroethane	1.691	64	87091	46.185	ug/L	97
9) Trichlorofluoromethane	1.886	101	216382	47.260	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	155507	49.715	ug/L	100
12) 1,1-Dichloroethene	2.319	96	139410	48.849	ug/L	97
13) Acetone	2.398	43	134926	88.628	ug/L	97
14) Carbon disulfide	2.514	76	322780	45.778	ug/L	100
15) Methyl Acetate	2.709	43	160809	49.310	ug/L	99
16) Methylene chloride	2.788	84	155455	48.920	ug/L	100
17) trans-1,2-Dichloroethene	3.093	96	142139	48.367	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	494793	48.685	ug/L	100
19) 1,1-Dichloroethane	3.611	63	276270	48.768	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	168103	48.926	ug/L	99
22) 2-Butanone	4.568	43	225371	96.446	ug/L	97
23) Bromochloromethane	4.904	128	83696	49.183	ug/L	94
25) Chloroform	5.093	83	282823	49.241	ug/L	96

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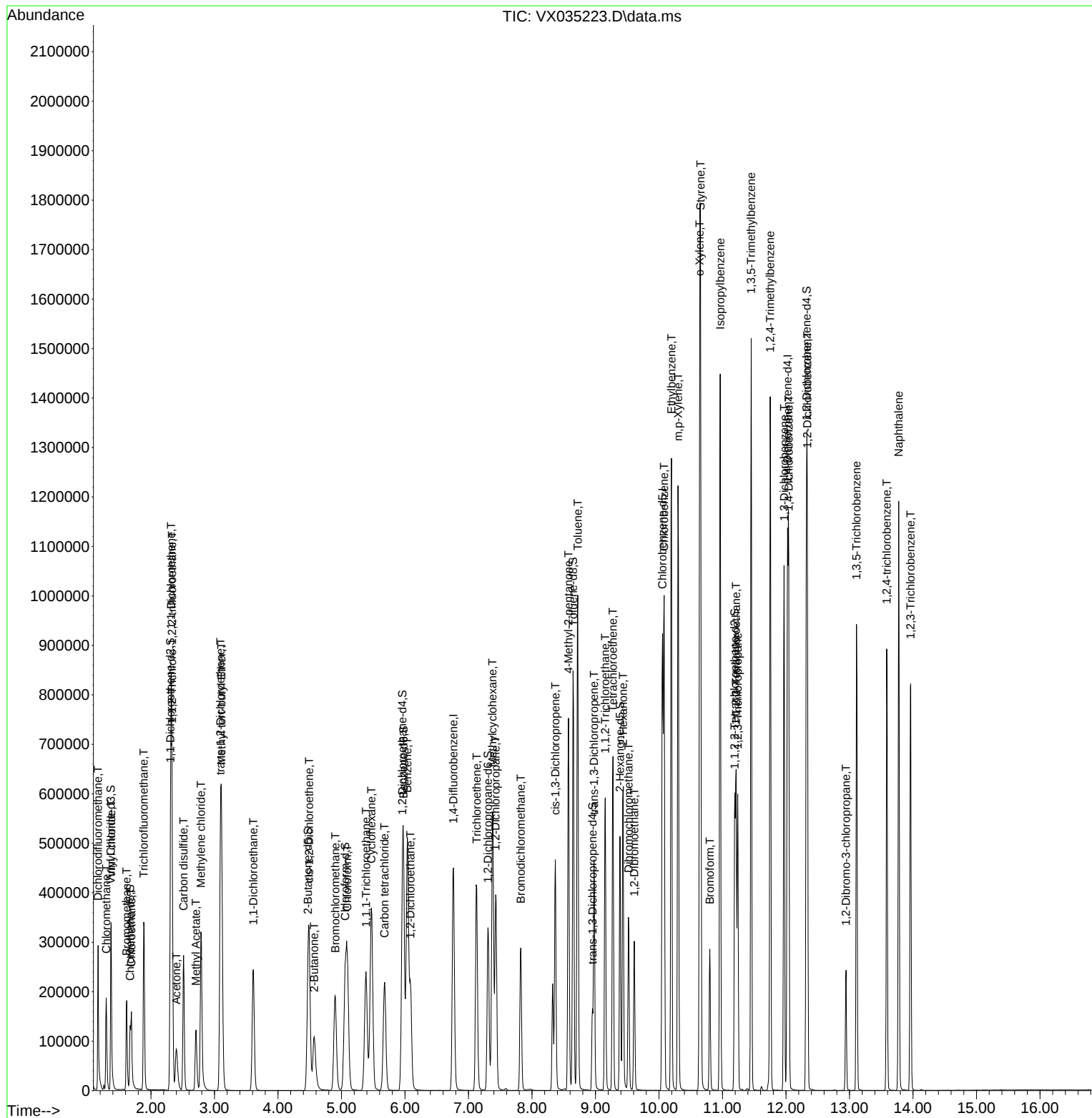
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	224133	48.721	ug/L	100
29) Cyclohexane	5.471	56	261069	51.350	ug/L	100
30) 1,1,1-Trichloroethane	5.385	97	235970	47.816	ug/L	99
31) Carbon tetrachloride	5.678	117	202572	48.408	ug/L	99
33) Benzene	6.038	78	618784	48.560	ug/L	100
34) Trichloroethene	7.129	95	164221	48.447	ug/L	99
35) Methylcyclohexane	7.379	83	262756	57.559	ug/L	99
37) 1,2-Dichloropropane	7.428	63	166476	49.622	ug/L	100
38) Bromodichloromethane	7.824	83	192580	48.583	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	245377	48.916	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	437728	98.977	ug/L	99
42) Toluene	8.720	91	652853	49.381	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	219443	48.550	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	159051	49.961	ug/L	99
46) Tetrachloroethene	9.275	164	128828	51.022	ug/L	98
48) 2-Hexanone	9.433	43	331768	98.806	ug/L	99
49) Dibromochloromethane	9.519	129	151014	49.915	ug/L	99
50) 1,2-Dibromoethane	9.610	107	163364	49.317	ug/L	98
51) Chlorobenzene	10.080	112	431084	49.493	ug/L	99
52) Ethylbenzene	10.195	91	736849	50.419	ug/L	98
53) m,p-Xylene	10.299	106	282352	50.453	ug/L	99
54) o-Xylene	10.640	106	279412	50.783	ug/L	94
55) Styrene	10.653	104	473868	50.833	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.214	83	238433	50.820	ug/L	99
59) Bromoform	10.799	173	103687	47.746	ug/L	99
60) Isopropylbenzene	10.964	105	743726	51.846	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	186567	47.900	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	619016	52.767	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	609413	52.244	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	330506	50.518	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	339240	50.674	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	329184	49.623	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	44886	46.704	ug/L	96
69) 1,3,5-Trichlorobenzene	13.110	180	223391	55.232	ug/L	100
70) 1,2,4-trichlorobenzene	13.585	180	207716	54.847	ug/L	98
71) Naphthalene	13.774	128	689898	51.141	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	204629	54.732	ug/L	99

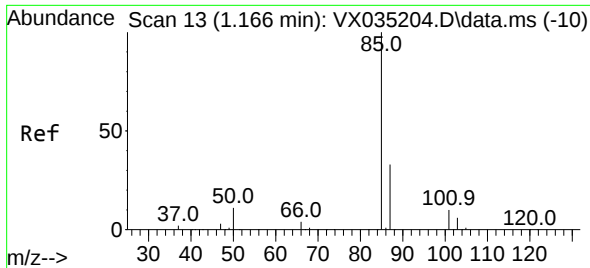
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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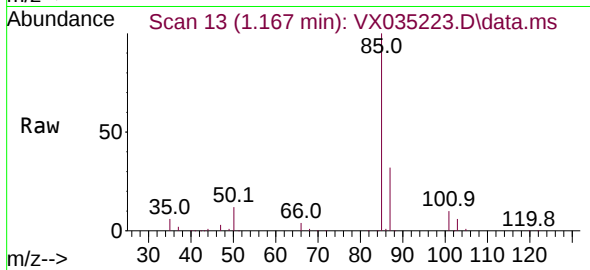
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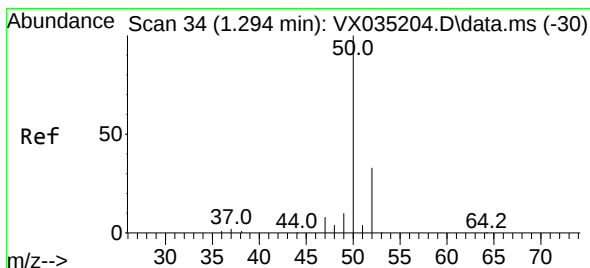
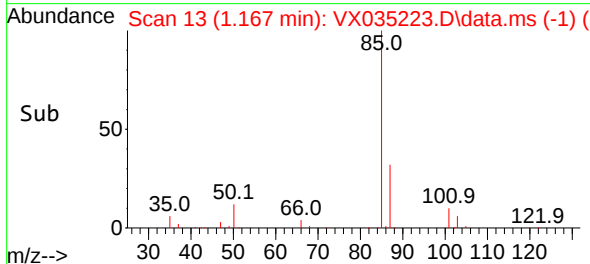
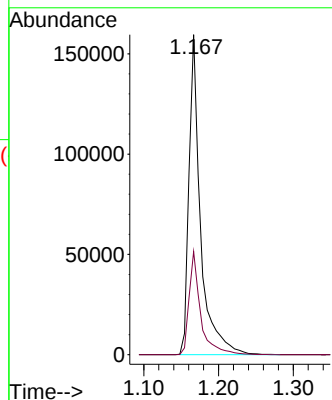


#2
 Dichlorodifluoromethane
 Concen: 47.887 ug/L
 RT: 1.167 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

Instrument :
 MSVOA_X
 ClientSampleId :

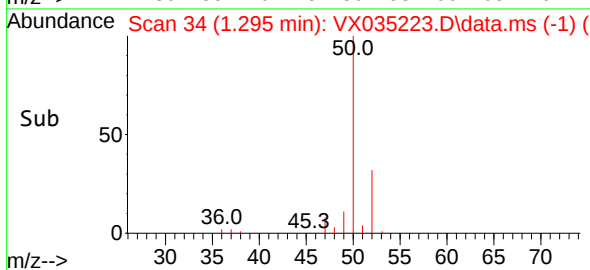
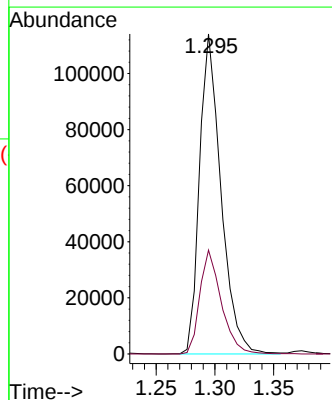
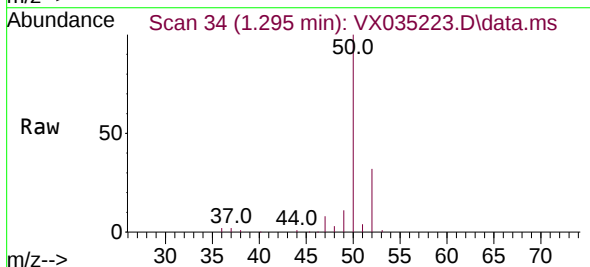


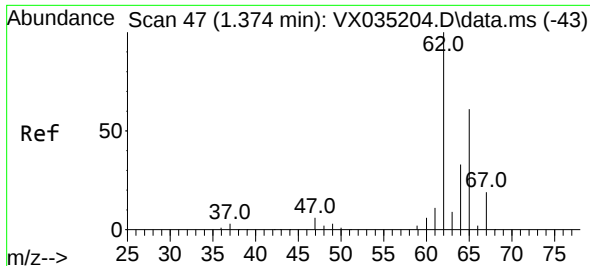
Tgt Ion: 85 Resp: 171441
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.4



#3
 Chloromethane
 Concen: 44.531 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

Tgt Ion: 50 Resp: 145089
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6

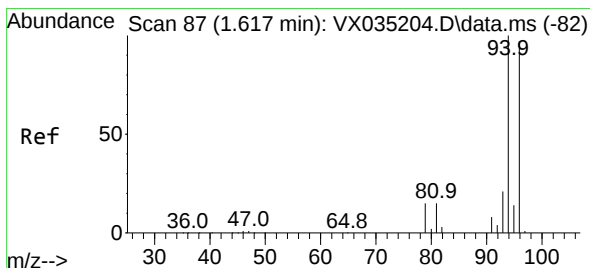
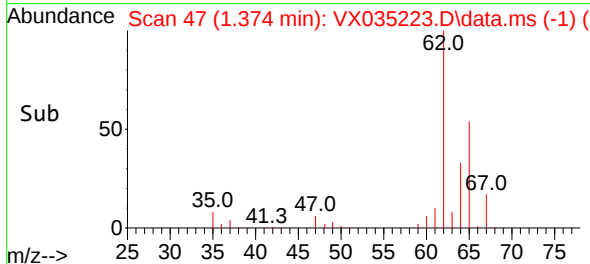
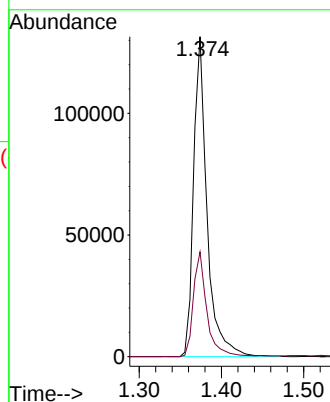
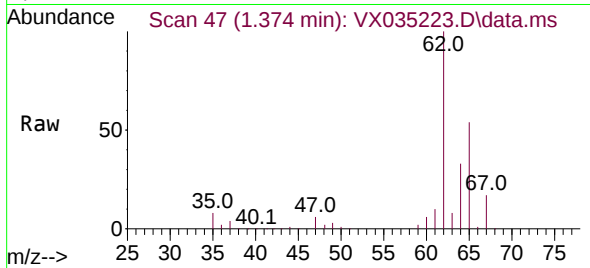




#5
 Vinyl chloride
 Concen: 44.155 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

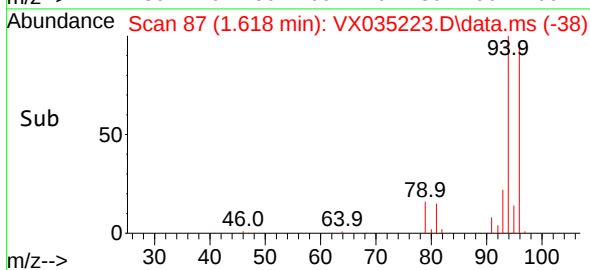
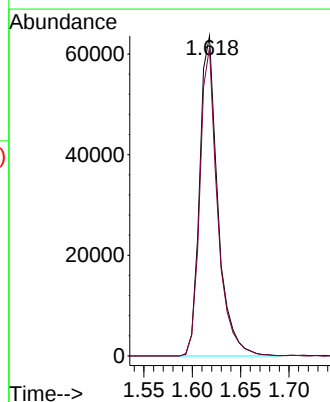
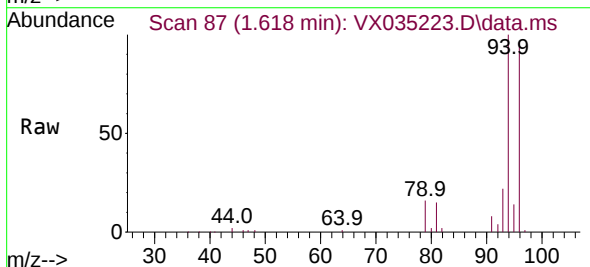
Instrument :
 MSVOA_X
 ClientSampleId :

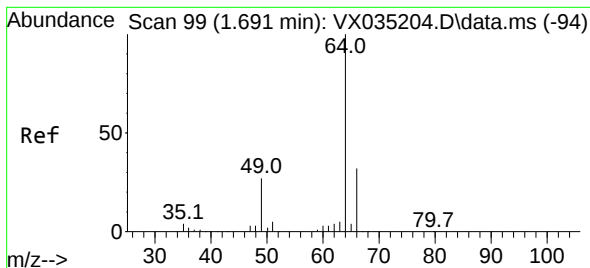
Tgt Ion: 62 Resp: 149291
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.7



#6
 Bromomethane
 Concen: 41.479 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

Tgt Ion: 94 Resp: 83295
 Ion Ratio Lower Upper
 94 100
 96 96.4 65.7 121.9





#8

Chloroethane

Concen: 46.185 ug/L

RT: 1.691 min Scan# 99

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

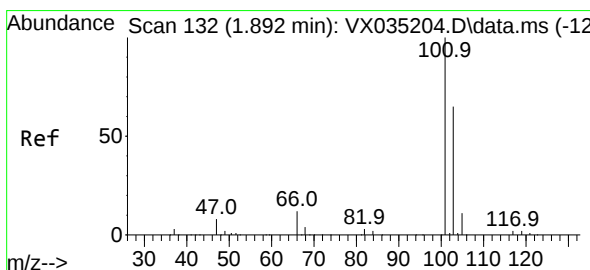
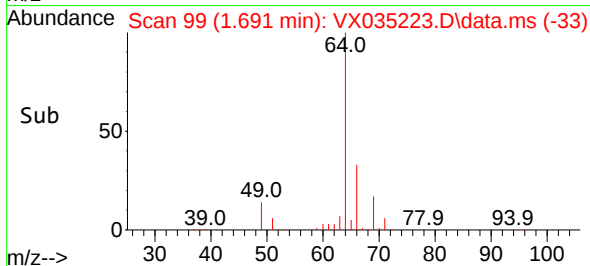
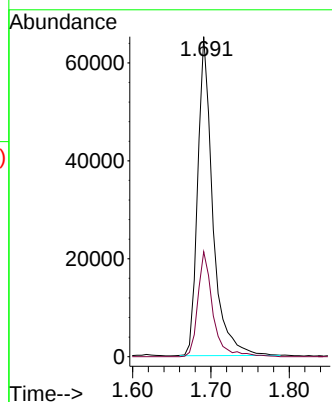
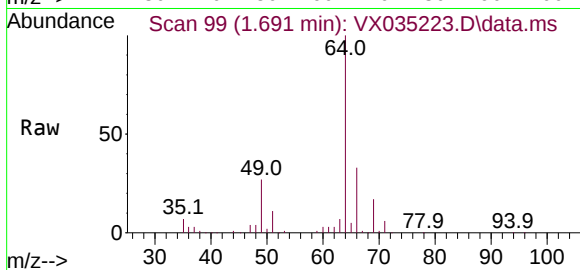
ClientSampleId :

Tgt Ion: 64 Resp: 87091

Ion Ratio Lower Upper

64 100

66 32.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 47.260 ug/L

RT: 1.886 min Scan# 131

Delta R.T. -0.006 min

Lab File: VX035223.D

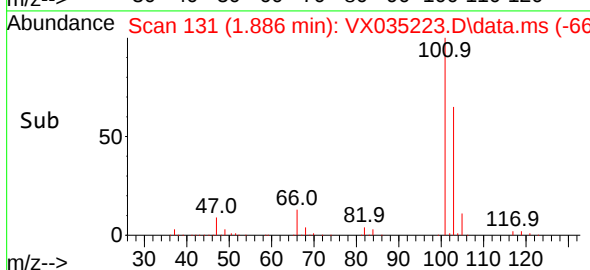
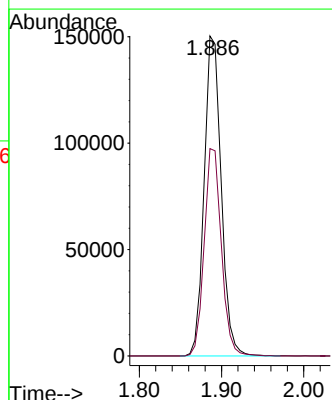
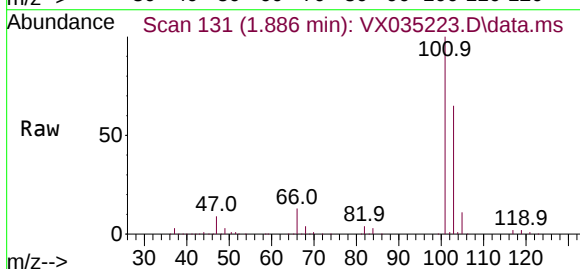
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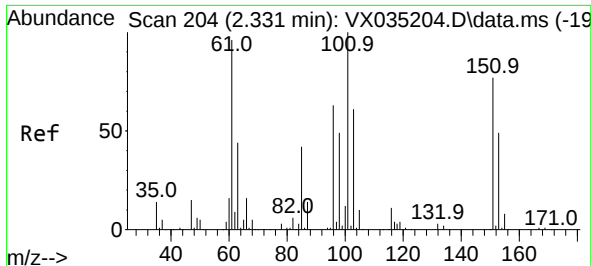
Tgt Ion: 101 Resp: 216382

Ion Ratio Lower Upper

101 100

103 65.3 51.7 77.5

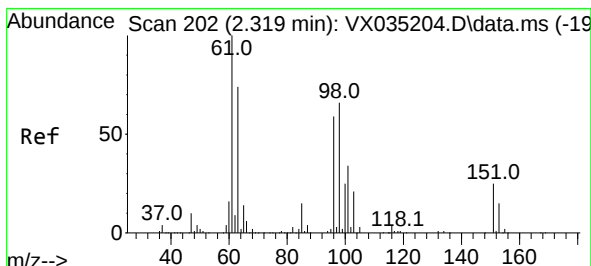
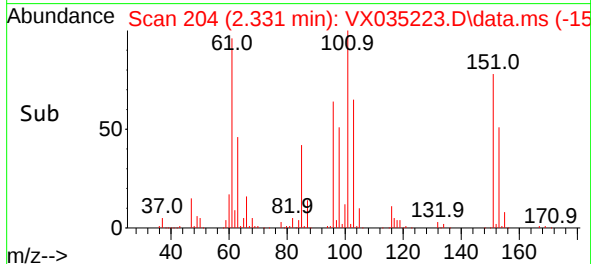
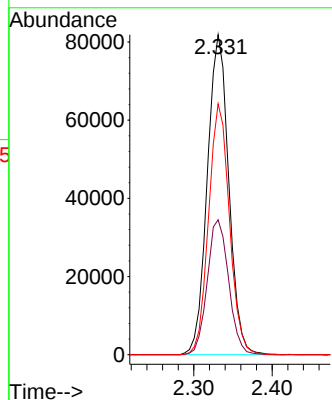
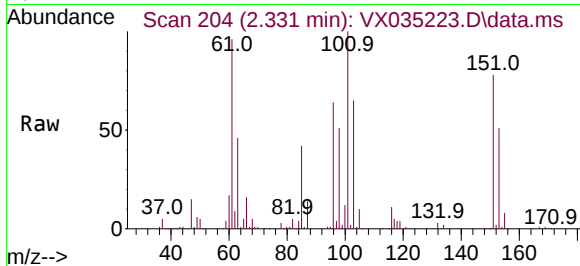




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.715 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

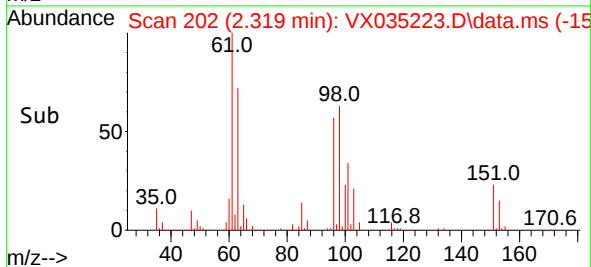
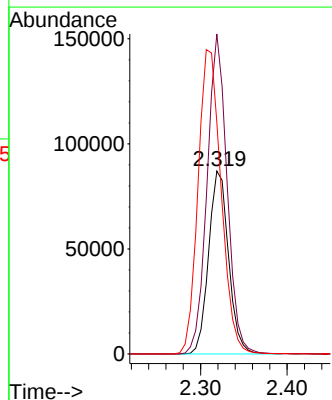
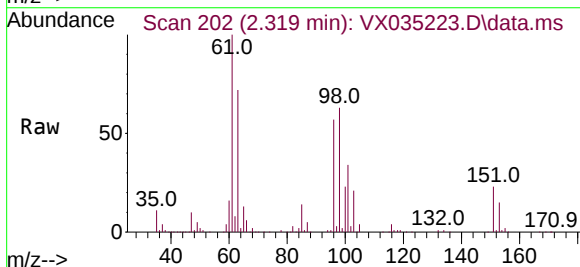
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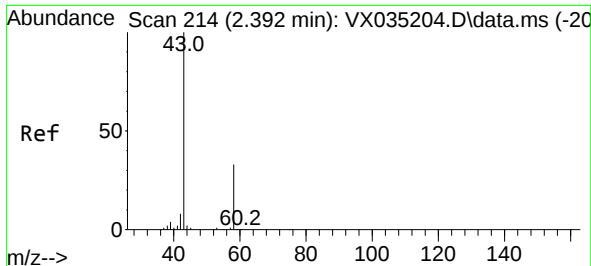
Tgt Ion:101 Resp: 155507
 Ion Ratio Lower Upper
 101 100
 85 42.1 34.2 51.2
 151 76.2 61.1 91.7



#12
 1,1-Dichloroethene
 Concen: 48.849 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

Tgt Ion: 96 Resp: 139410
 Ion Ratio Lower Upper
 96 100
 61 175.0 119.0 221.0
 63 126.6 91.0 169.0





#13

Acetone

Concen: 88.628 ug/L

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

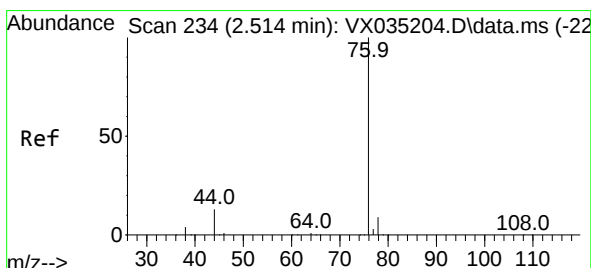
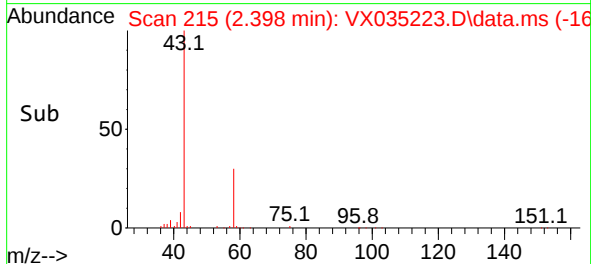
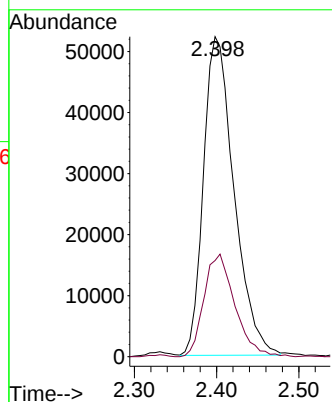
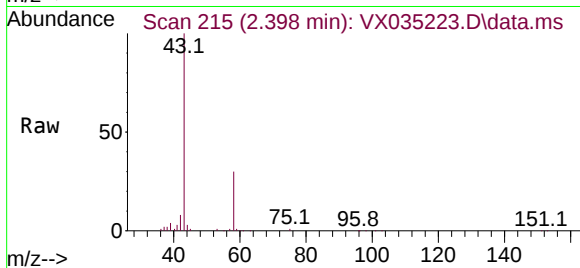
ClientSampleId :

Tgt Ion: 43 Resp: 134926

Ion Ratio Lower Upper

43 100

58 32.5 0.0 62.0



#14

Carbon disulfide

Concen: 45.778 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

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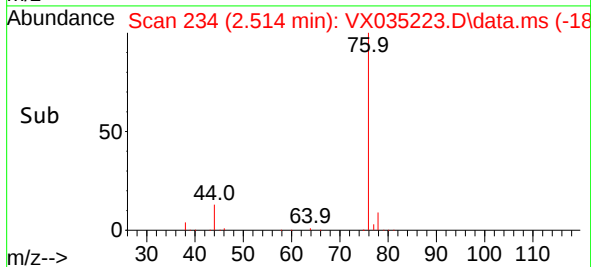
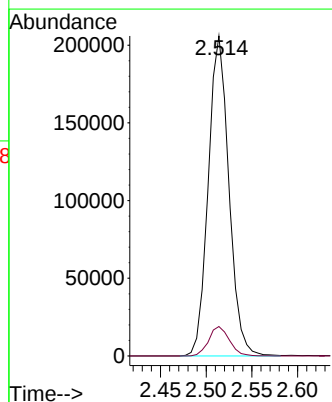
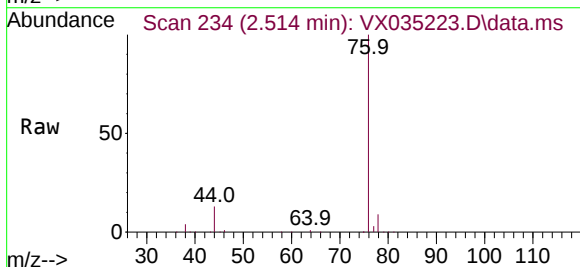
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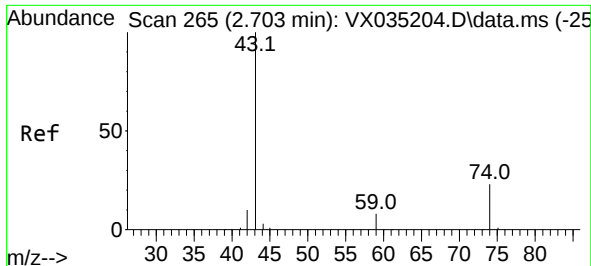
Tgt Ion: 76 Resp: 322780

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

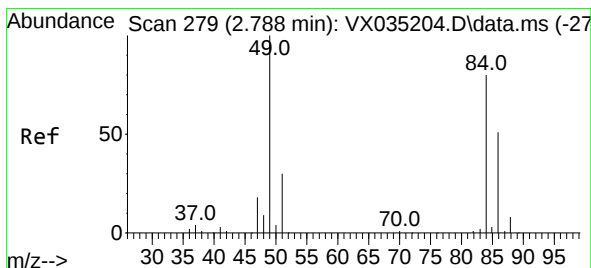
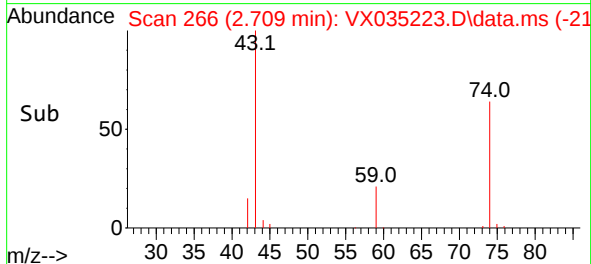
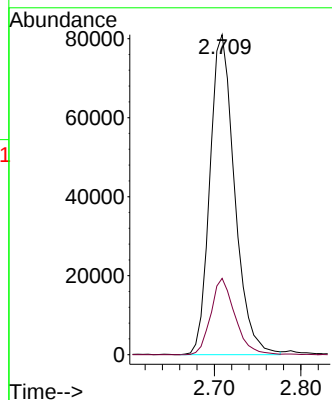
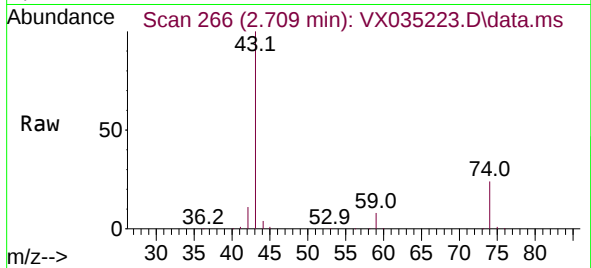




#15
Methyl Acetate
Concen: 49.310 ug/L
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

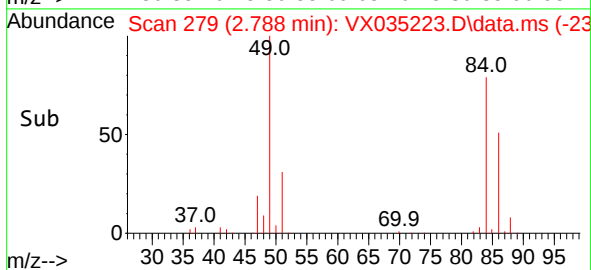
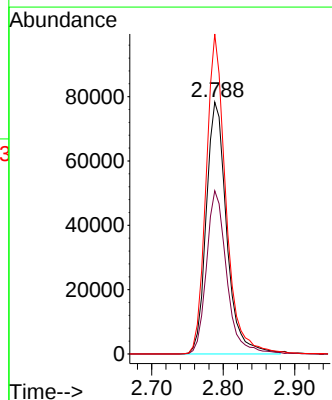
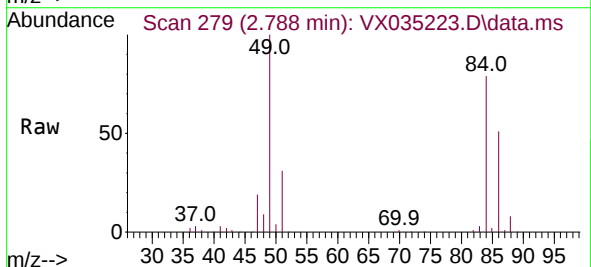
Instrument :
MSVOA_X
ClientSampleId :

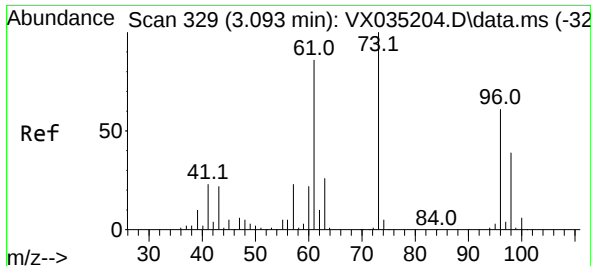
Tgt Ion: 43 Resp: 160809
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.4



#16
Methylene chloride
Concen: 48.920 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 84 Resp: 155455
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.0
49 127.1 88.7 164.7

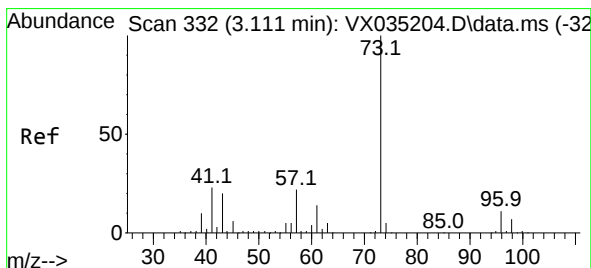
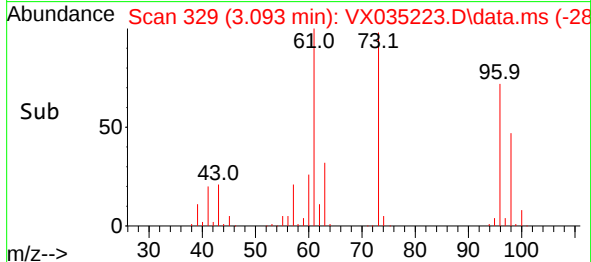
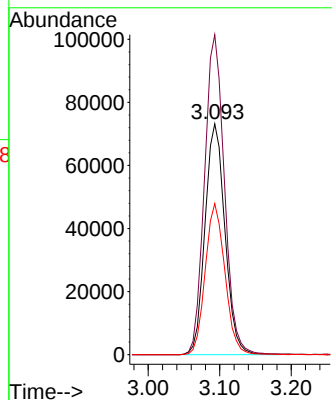
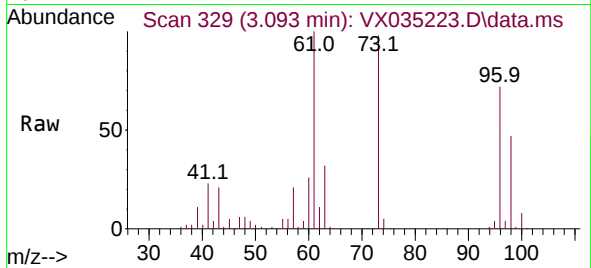




#17
trans-1,2-Dichloroethene
Concen: 48.367 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

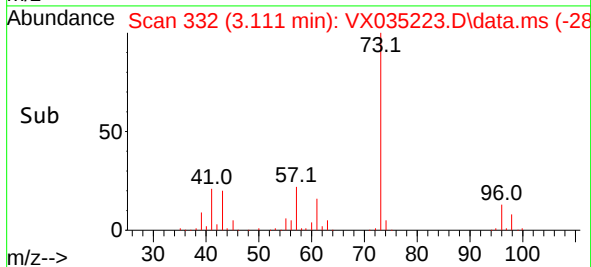
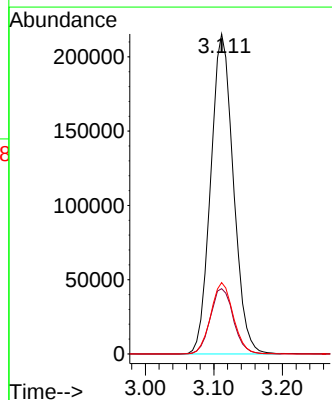
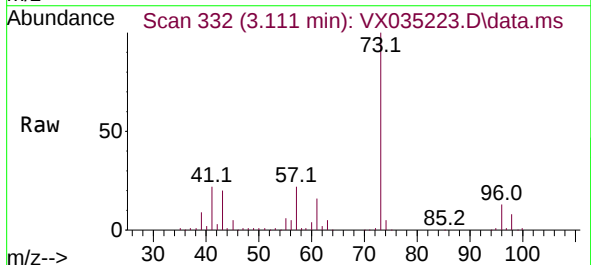
Instrument :
MSVOA_X
ClientSampleId :

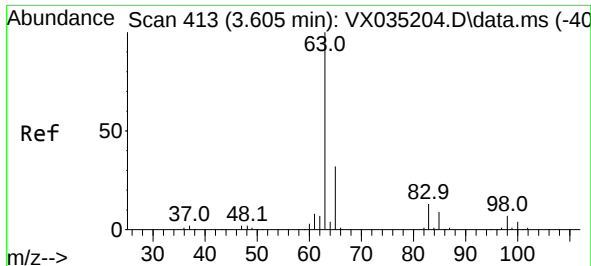
Tgt Ion: 96 Resp: 142139
Ion Ratio Lower Upper
96 100
61 138.6 98.8 183.4
98 65.4 44.4 82.4



#18
Methyl tert-butyl Ether
Concen: 48.685 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 73 Resp: 494793
Ion Ratio Lower Upper
73 100
43 20.8 16.6 25.0
57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 48.768 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

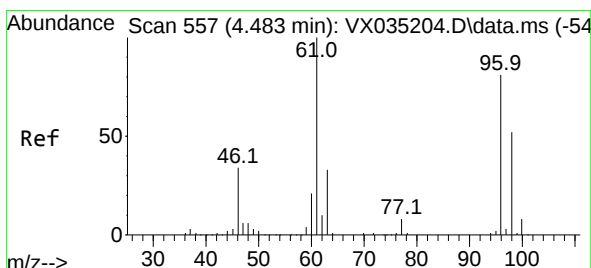
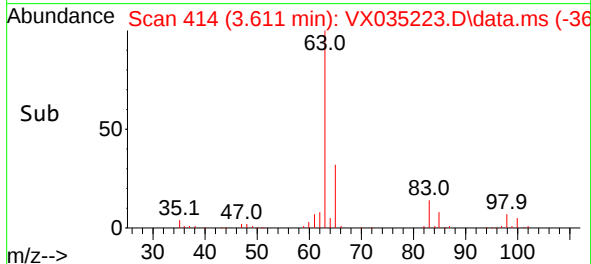
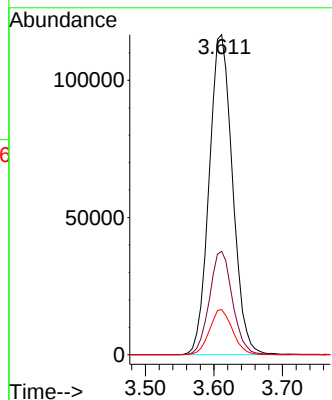
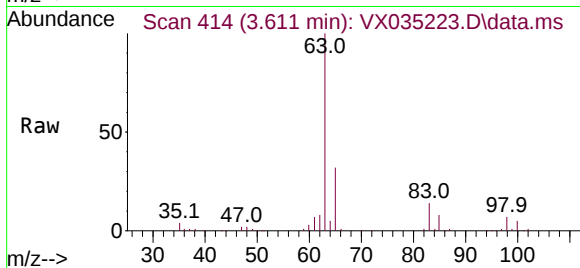
Tgt Ion: 63 Resp: 276270

Ion Ratio Lower Upper

63 100

65 32.3 22.8 42.4

83 14.1 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 48.926 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

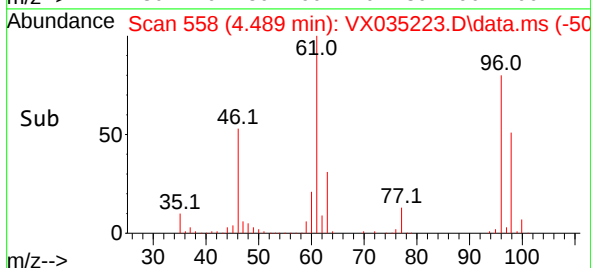
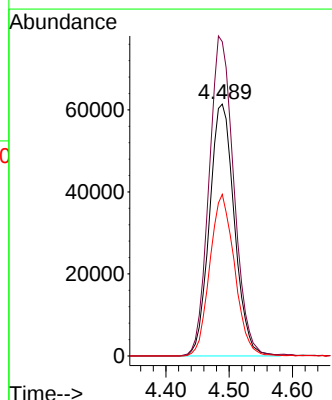
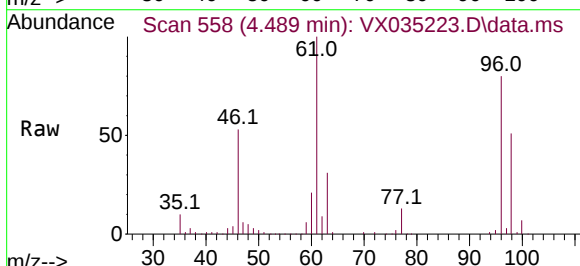
Tgt Ion: 96 Resp: 168103

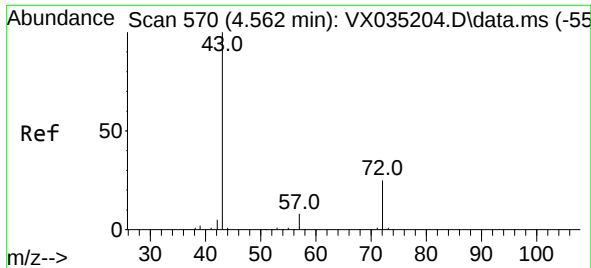
Ion Ratio Lower Upper

96 100

61 124.7 87.8 163.2

98 64.1 46.3 86.1

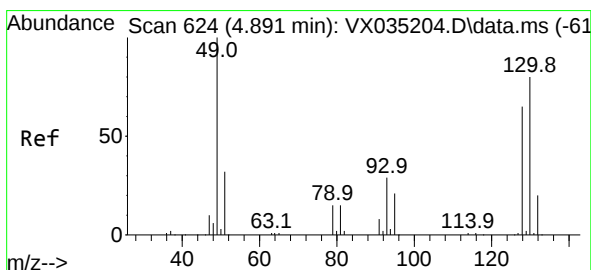
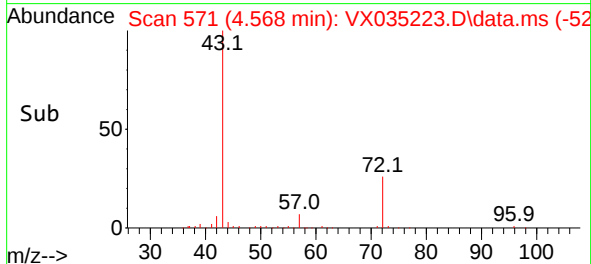
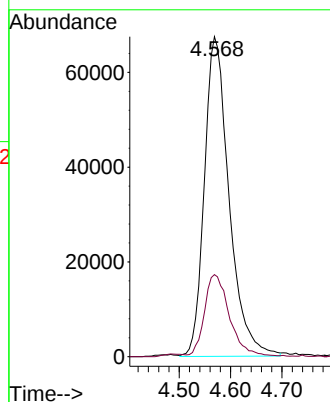
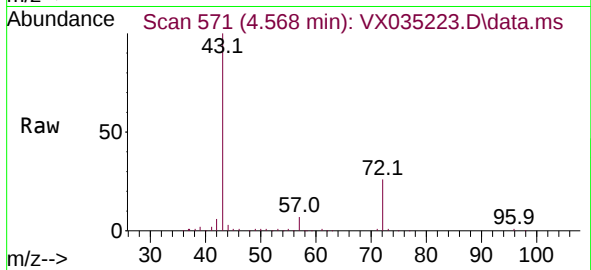




#22
2-Butanone
Concen: 96.446 ug/L
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

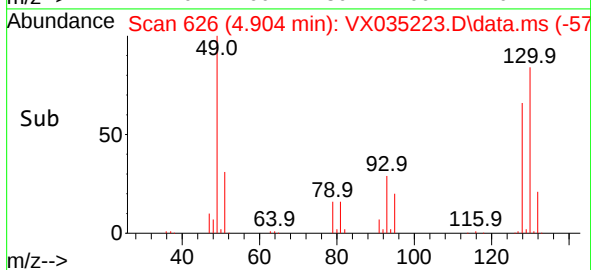
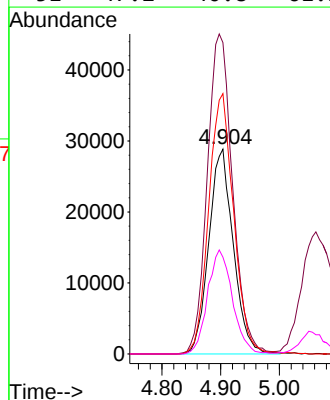
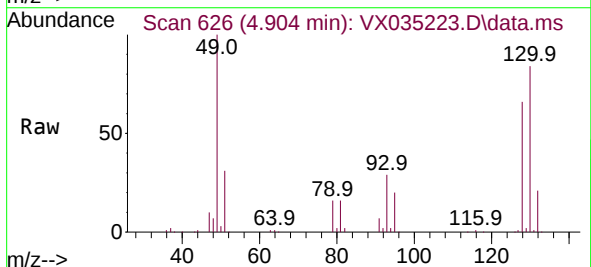
Instrument :
MSVOA_X
ClientSampleId :

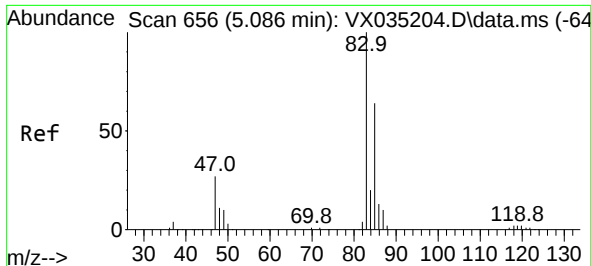
Tgt Ion: 43 Resp: 225371
Ion Ratio Lower Upper
43 100
72 26.1 12.4 37.2



#23
Bromochloromethane
Concen: 49.183 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.012 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 128 Resp: 83696
Ion Ratio Lower Upper
128 100
49 152.1 115.9 215.3
130 127.1 88.9 165.1
51 47.2 40.8 61.2

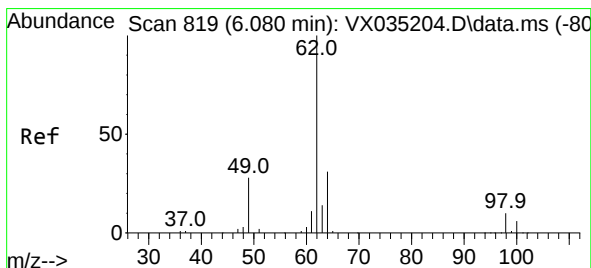
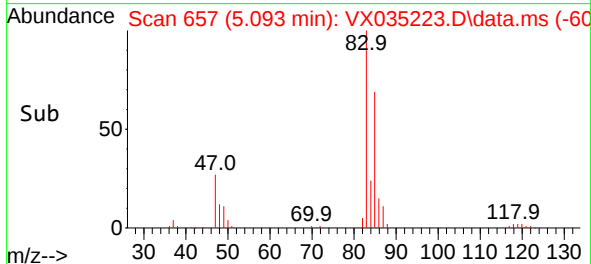
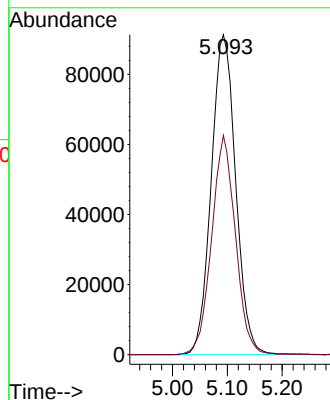
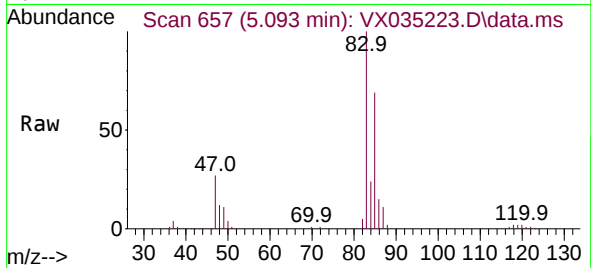




#25
Chloroform
Concen: 49.241 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

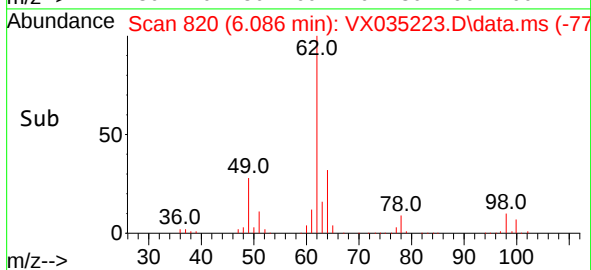
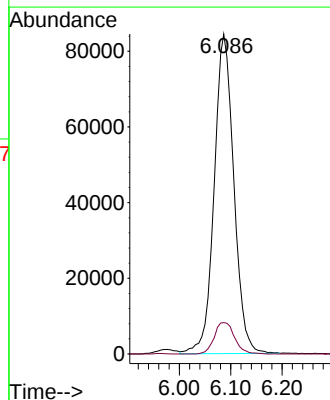
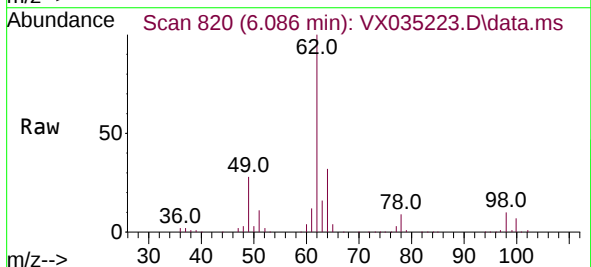
Instrument :
MSVOA_X
ClientSampleId :

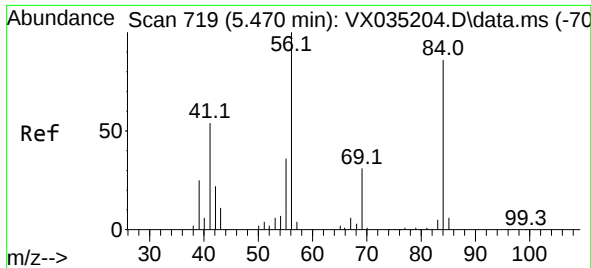
Tgt Ion: 83 Resp: 282823
Ion Ratio Lower Upper
83 100
85 68.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 48.721 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

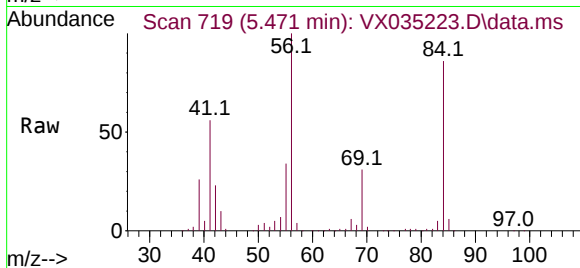
Tgt Ion: 62 Resp: 224133
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8



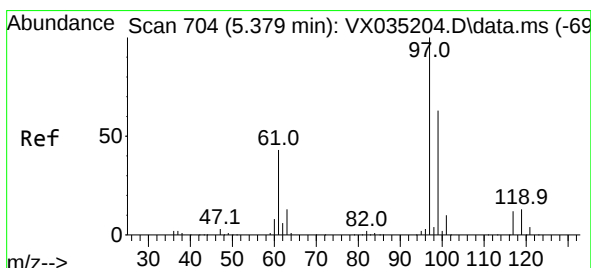
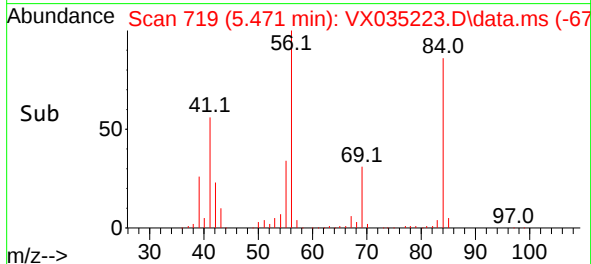
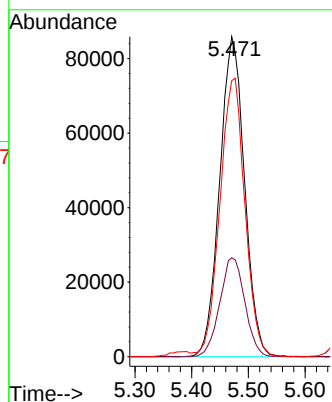


#29
Cyclohexane
Concen: 51.350 ug/L
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Instrument :
MSVOA_X
ClientSampleId :

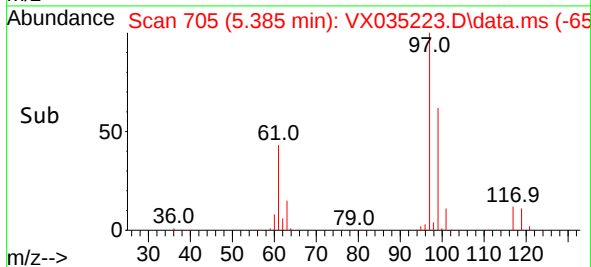
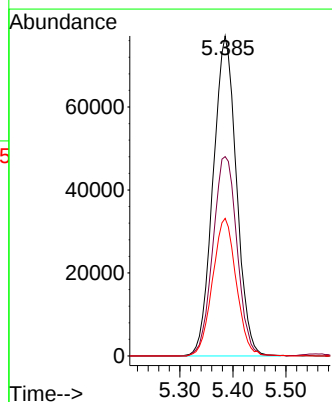
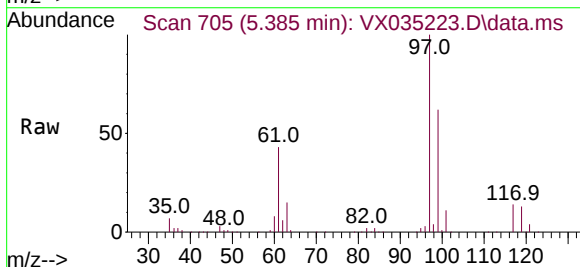


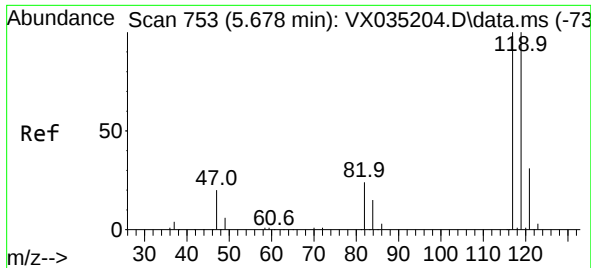
Tgt Ion: 56 Resp: 261069
Ion Ratio Lower Upper
56 100
69 31.2 25.1 37.7
84 87.8 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 47.816 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

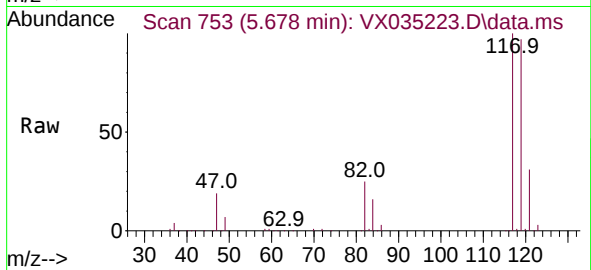
Tgt Ion: 97 Resp: 235970
Ion Ratio Lower Upper
97 100
99 64.6 50.6 75.8
61 43.5 34.9 52.3



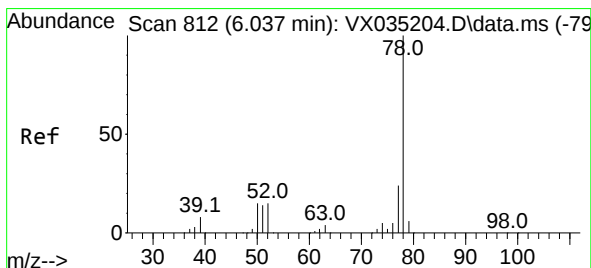
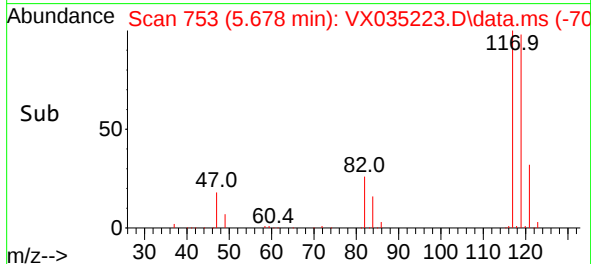
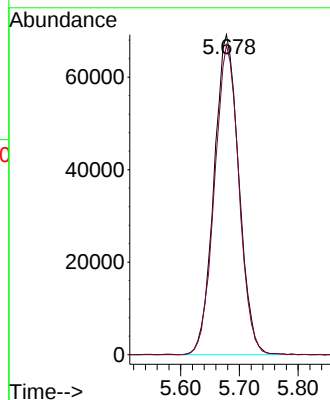


#31
Carbon tetrachloride
Concen: 48.408 ug/L
RT: 5.678 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Instrument :
MSVOA_X
ClientSampleId :

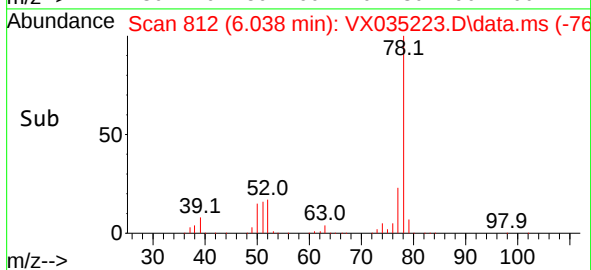
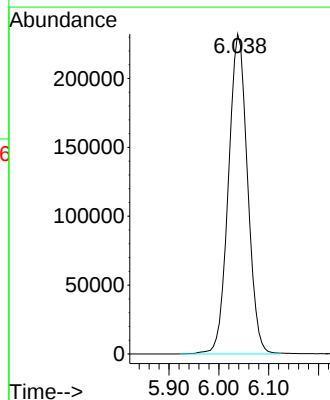
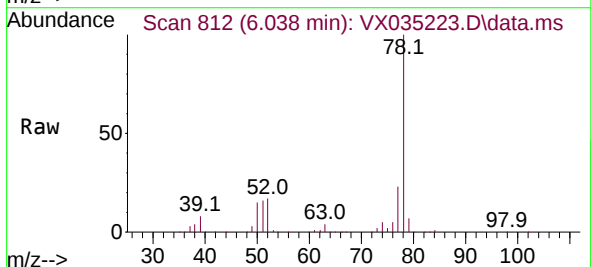


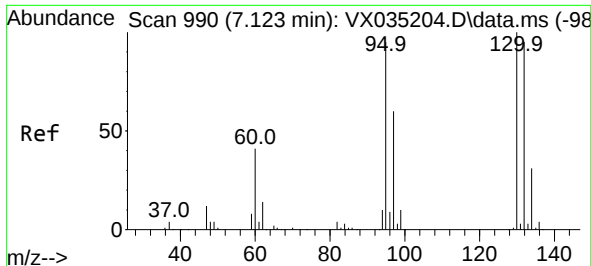
Tgt Ion:117 Resp: 202572
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7



#33
Benzene
Concen: 48.560 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 78 Resp: 618784

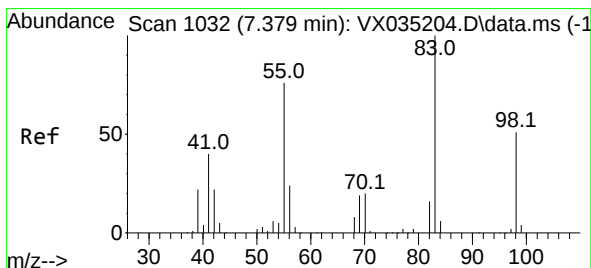
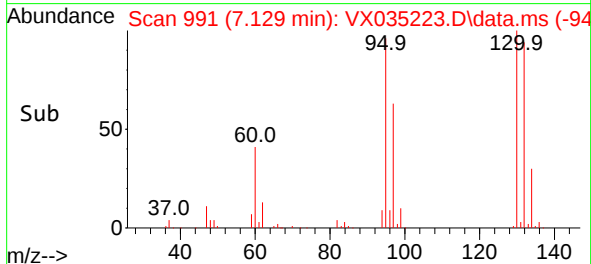
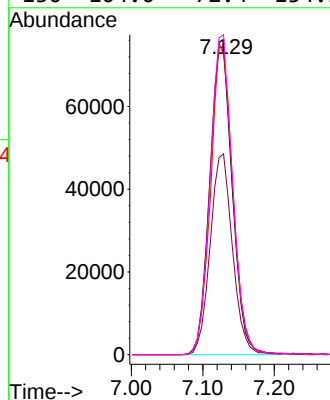
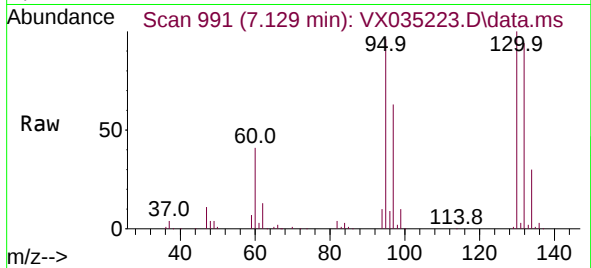




#34
Trichloroethene
Concen: 48.447 ug/L
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

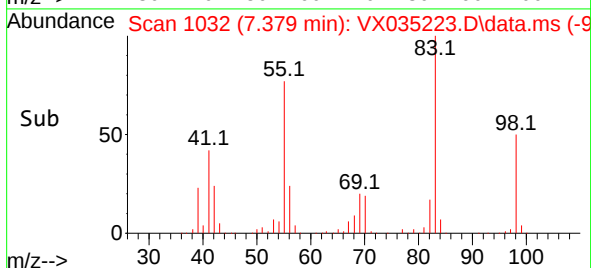
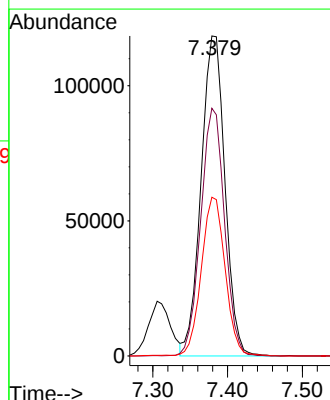
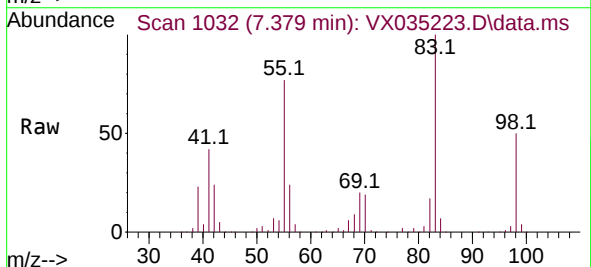
Instrument :
MSVOA_X
ClientSampleId :

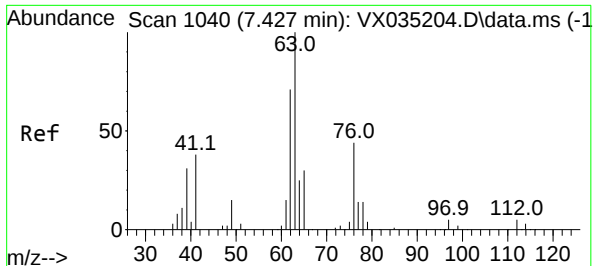
Tgt Ion: 95 Resp: 164221
Ion Ratio Lower Upper
95 100
97 65.2 45.6 84.8
132 97.4 69.7 129.4
130 104.0 72.4 134.5



#35
Methylcyclohexane
Concen: 57.559 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 83 Resp: 262756
Ion Ratio Lower Upper
83 100
55 77.1 62.2 93.2
98 49.5 39.3 58.9





#37

1,2-Dichloropropane

Concen: 49.622 ug/L

RT: 7.428 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

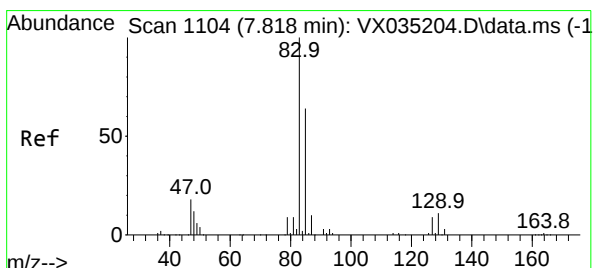
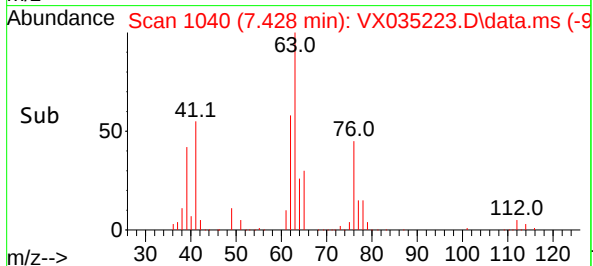
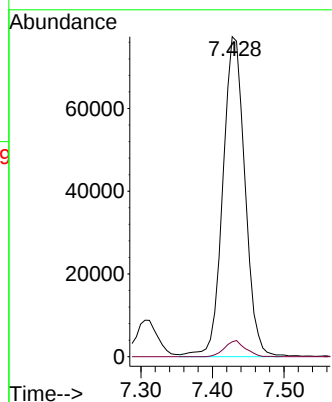
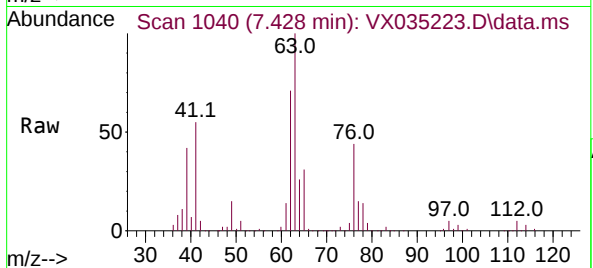
ClientSampleId :

Tgt Ion: 63 Resp: 166476

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 48.583 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

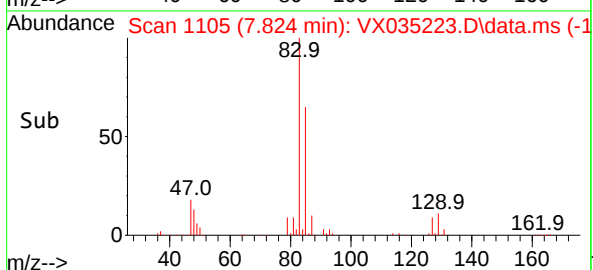
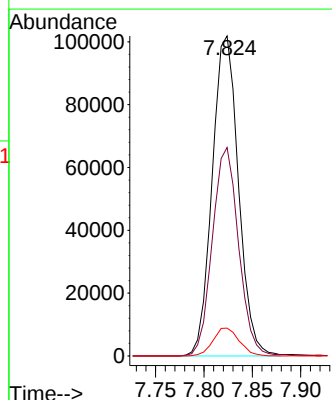
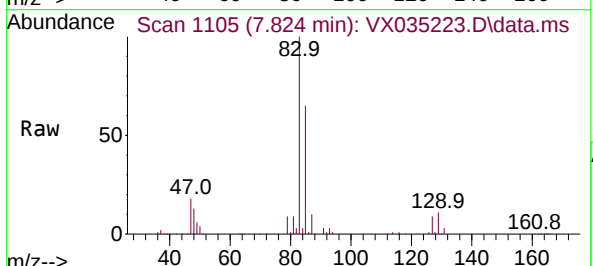
Tgt Ion: 83 Resp: 192580

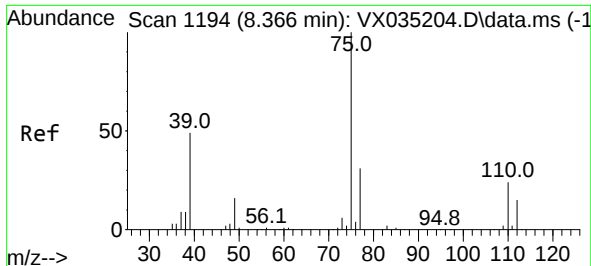
Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 48.916 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

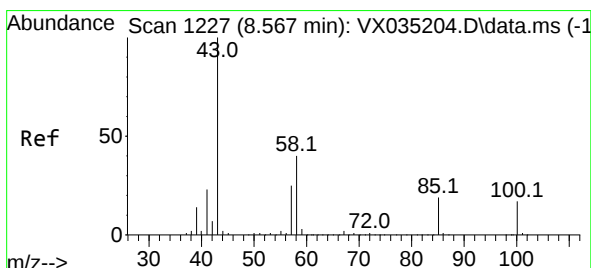
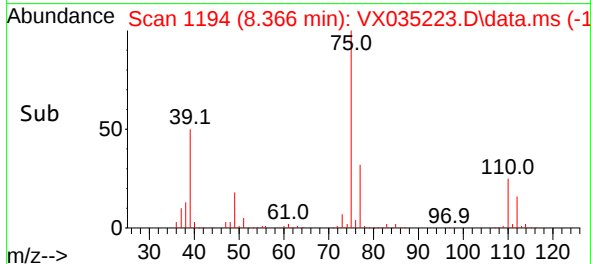
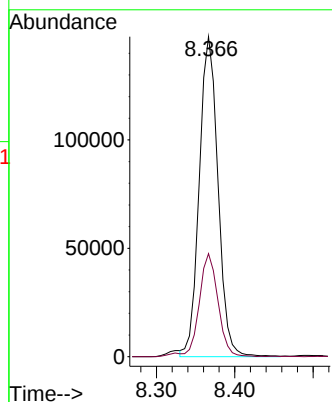
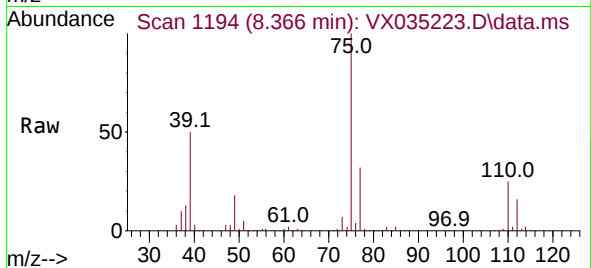
ClientSampleId :

Tgt Ion: 75 Resp: 245377

Ion Ratio Lower Upper

75 100

77 32.2 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 98.977 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

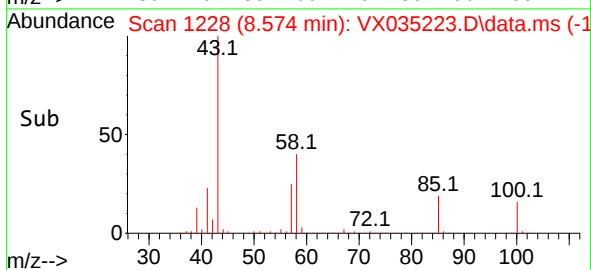
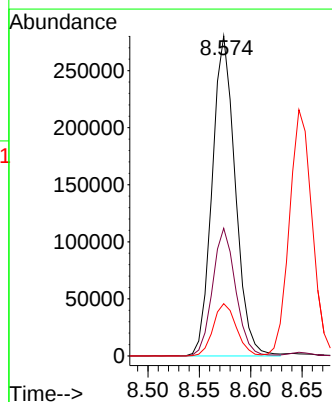
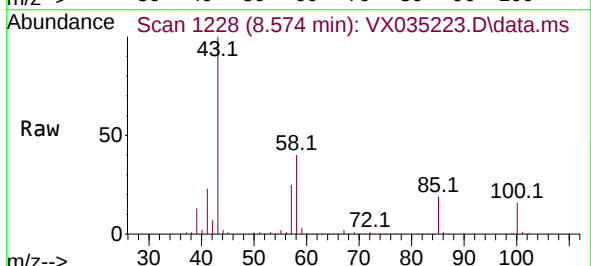
Tgt Ion: 43 Resp: 437728

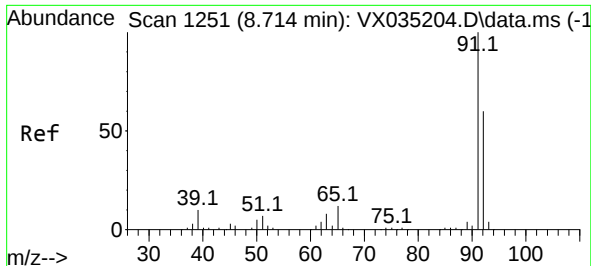
Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3

100 16.4 12.8 19.2





#42

Toluene

Concen: 49.381 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

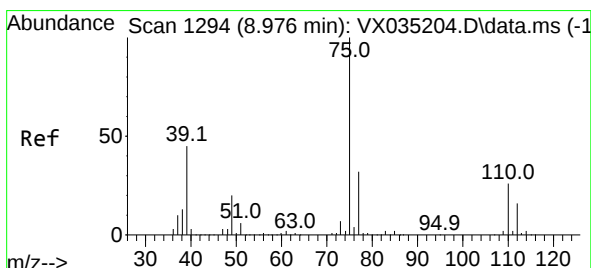
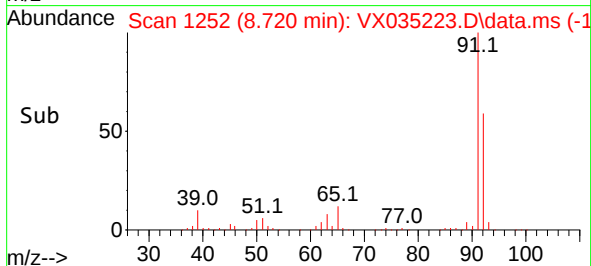
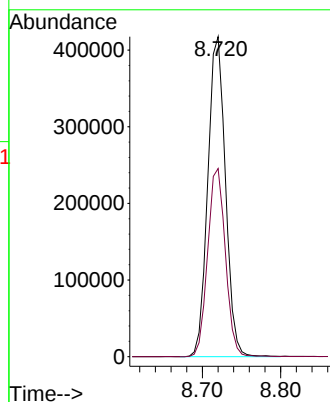
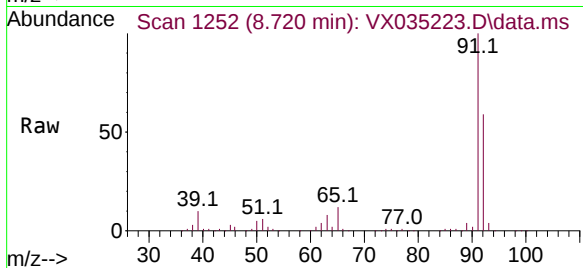
ClientSampleId :

Tgt Ion: 91 Resp: 652853

Ion Ratio Lower Upper

91 100

92 58.8 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 48.550 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX035223.D

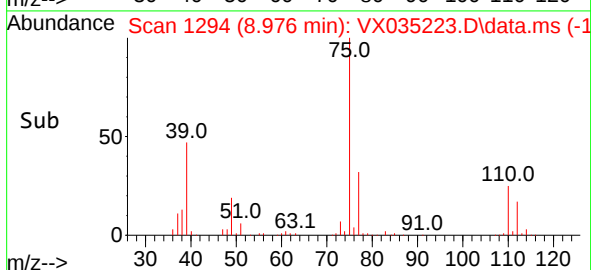
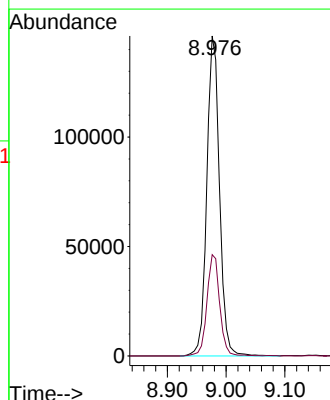
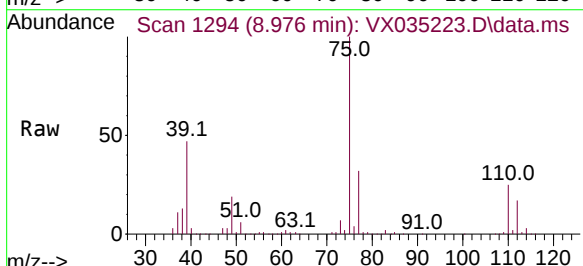
Acq: 20 Apr 2023 18:31

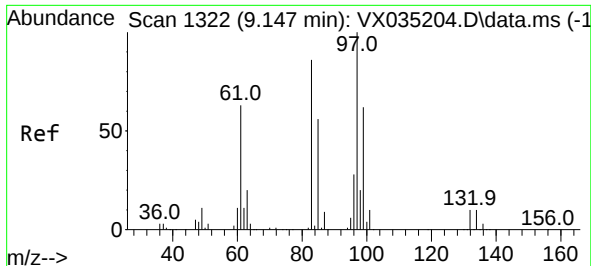
Tgt Ion: 75 Resp: 219443

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.961 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 159051

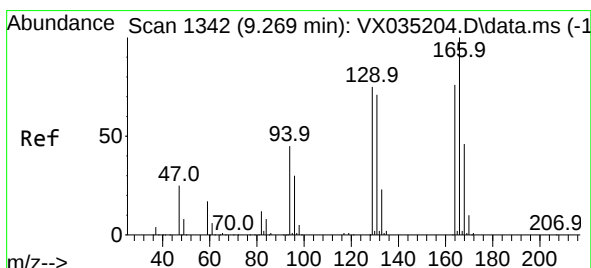
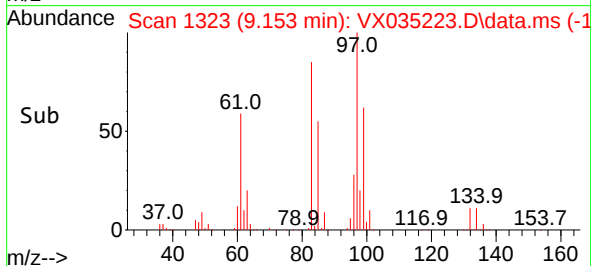
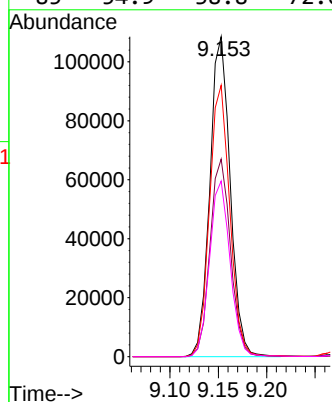
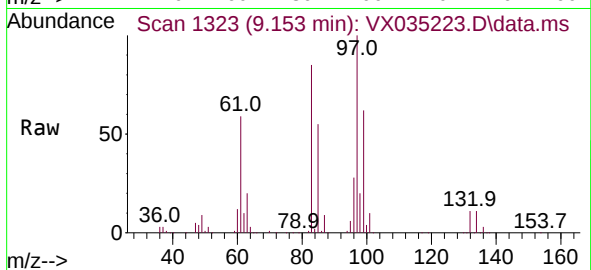
Ion Ratio Lower Upper

97 100

99 61.8 43.8 81.4

83 84.8 59.8 111.0

85 54.9 38.8 72.0



#46

Tetrachloroethene

Concen: 51.022 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Tgt Ion:164 Resp: 128828

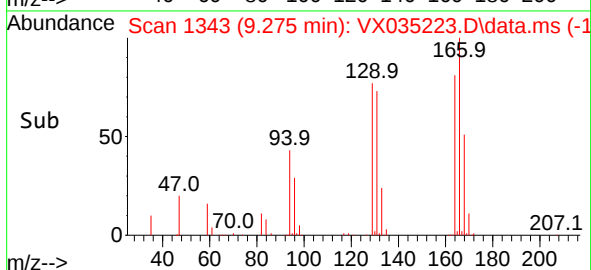
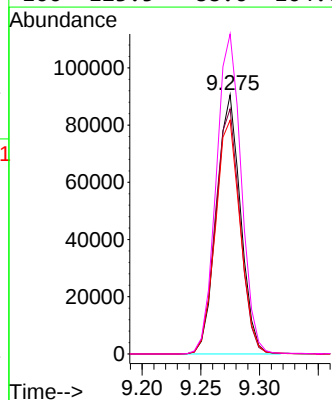
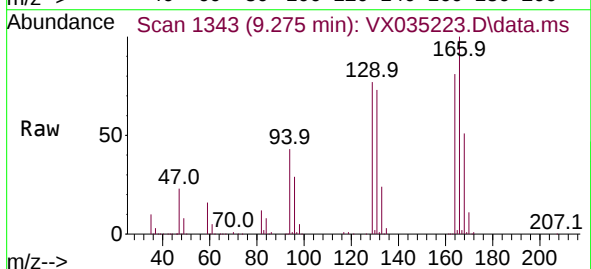
Ion Ratio Lower Upper

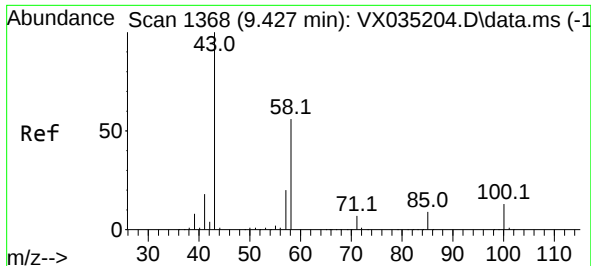
164 100

129 94.6 66.1 122.8

131 90.2 65.0 120.8

166 123.5 88.6 164.6

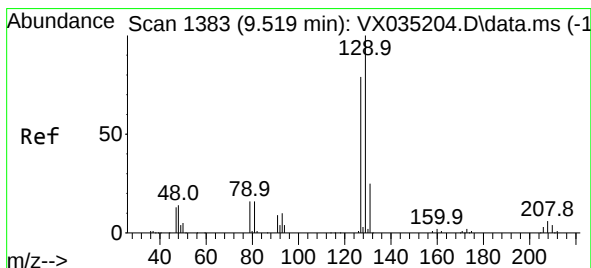
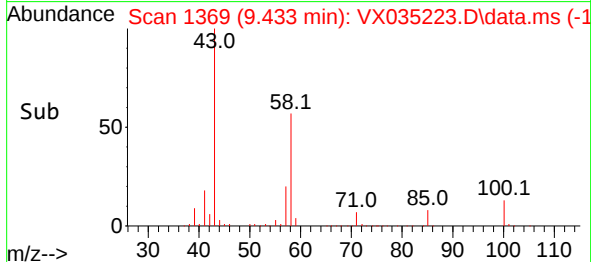
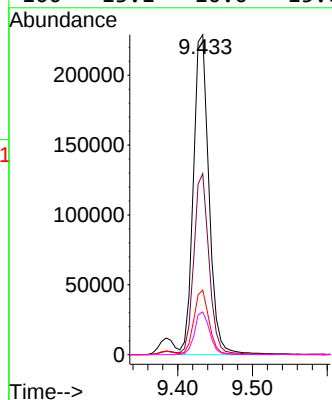
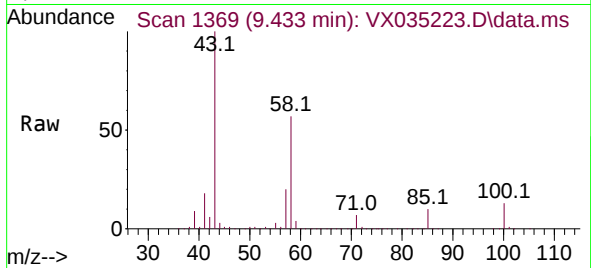




#48
2-Hexanone
Concen: 98.806 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

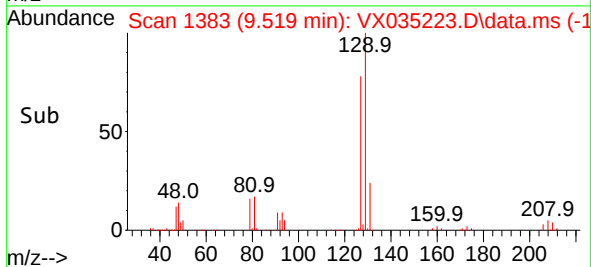
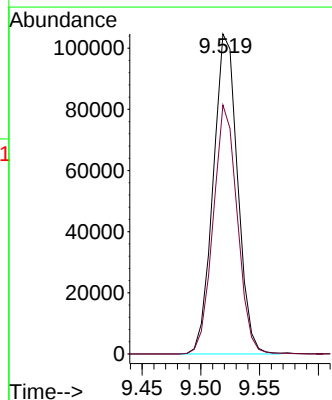
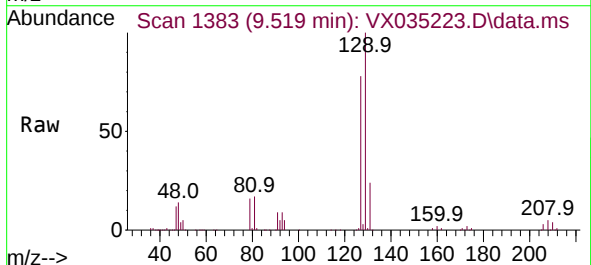
Instrument :
MSVOA_X
ClientSampleId :

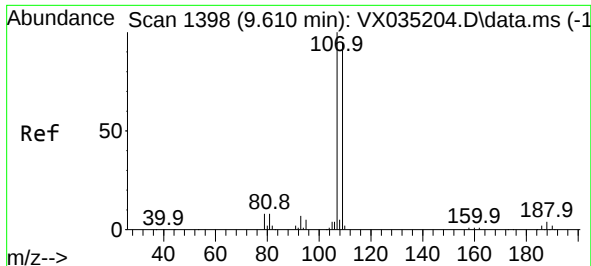
Tgt Ion: 43 Resp: 331768
Ion Ratio Lower Upper
43 100
58 55.0 43.2 64.8
57 19.7 15.4 23.0
100 13.1 10.0 15.0



#49
Dibromochloromethane
Concen: 49.915 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion: 129 Resp: 151014
Ion Ratio Lower Upper
129 100
127 77.8 54.8 101.8





#50

1,2-Dibromoethane

Concen: 49.317 ug/L

RT: 9.610 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

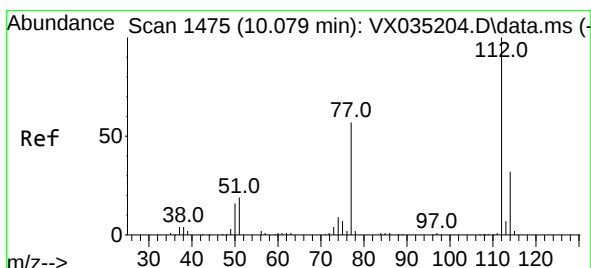
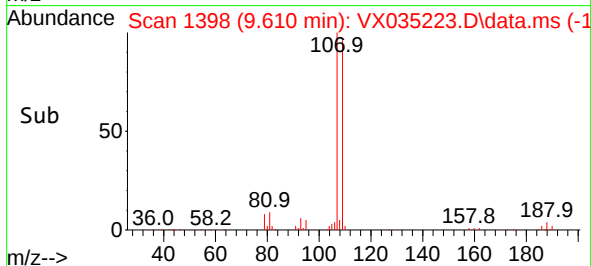
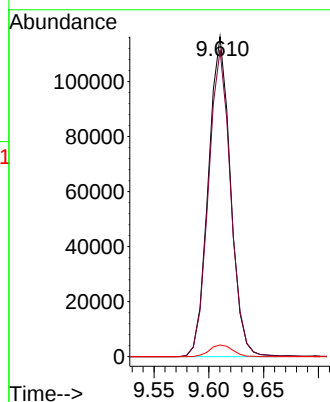
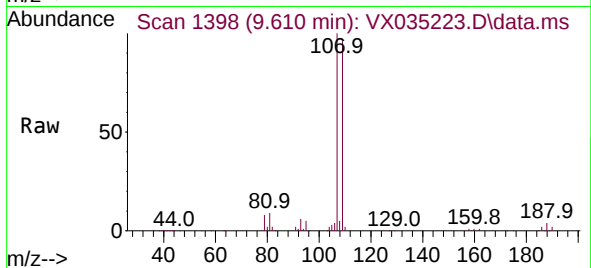
Tgt Ion:107 Resp: 163364

Ion Ratio Lower Upper

107 100

109 95.7 65.6 121.8

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 49.493 ug/L

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

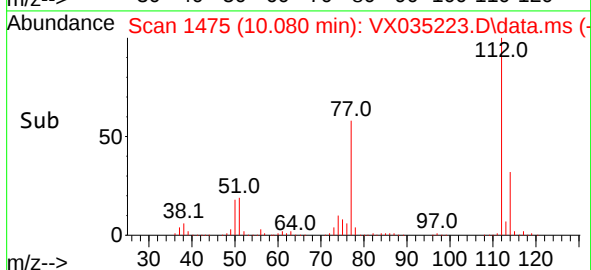
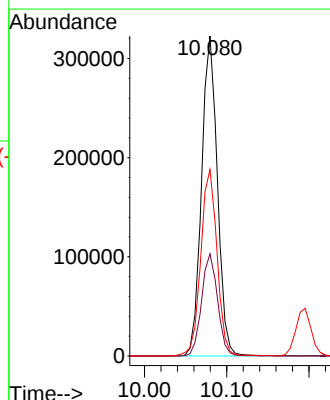
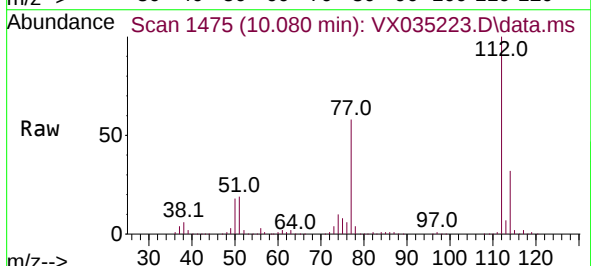
Tgt Ion:112 Resp: 431084

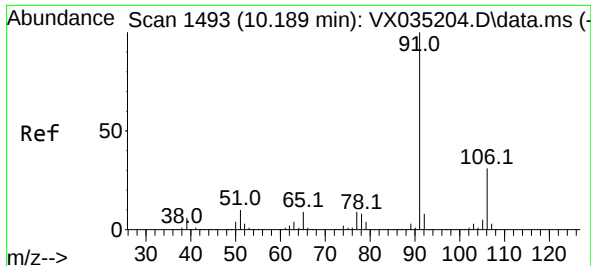
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 58.2 47.0 70.6





#52

Ethylbenzene

Concen: 50.419 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

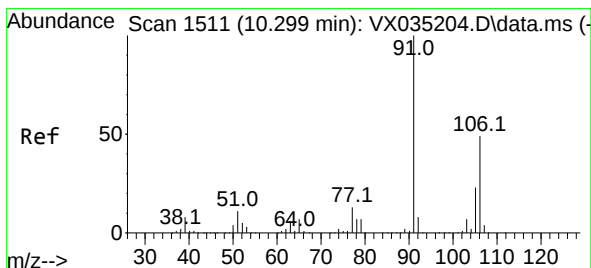
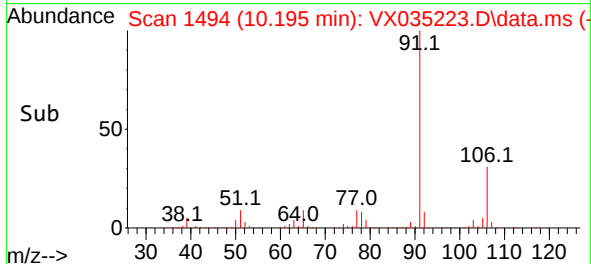
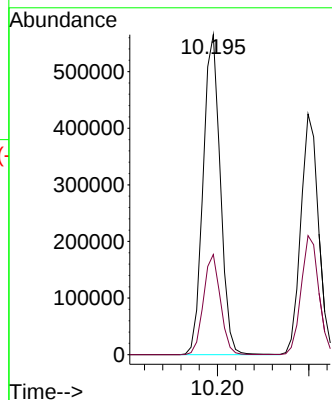
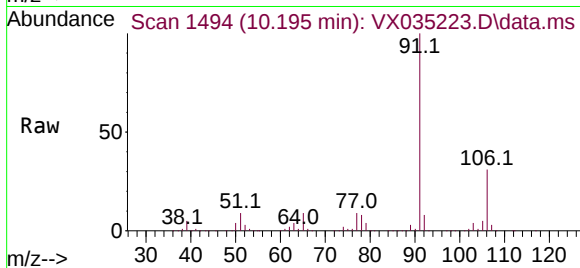
ClientSampleId :

Tgt Ion: 91 Resp: 736849

Ion Ratio Lower Upper

91 100

106 31.3 22.6 42.0



#53

m,p-Xylene

Concen: 50.453 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX035223.D

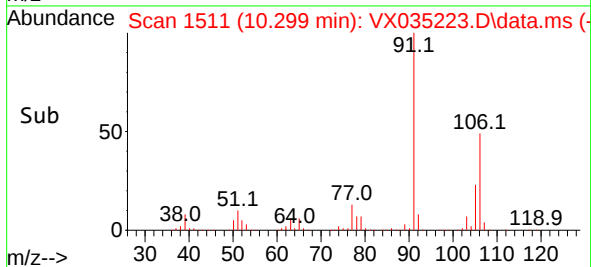
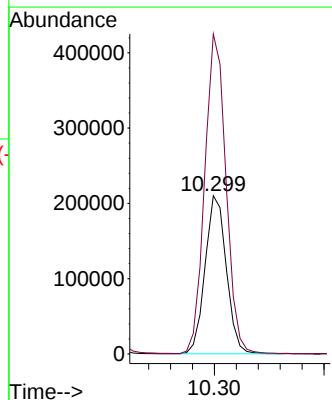
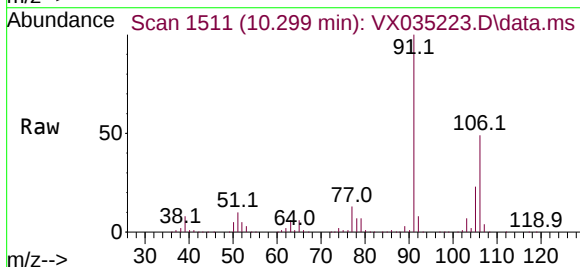
Acq: 20 Apr 2023 18:31

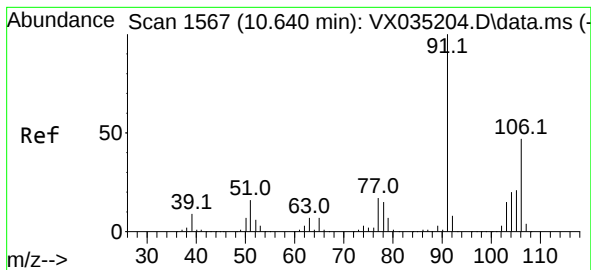
Tgt Ion: 106 Resp: 282352

Ion Ratio Lower Upper

106 100

91 202.2 142.7 264.9





#54

o-Xylene

Concen: 50.783 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

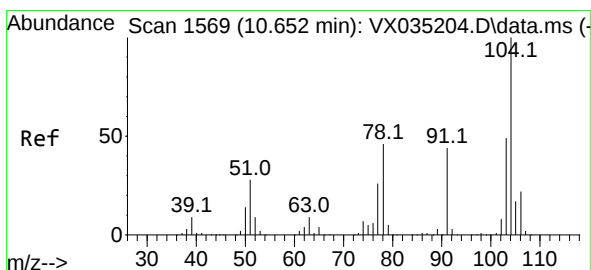
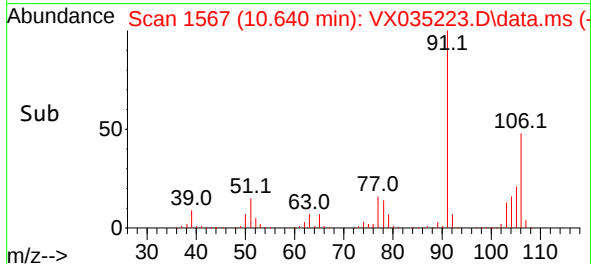
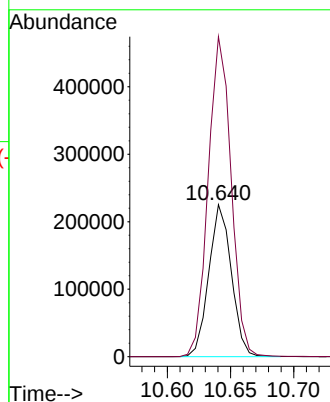
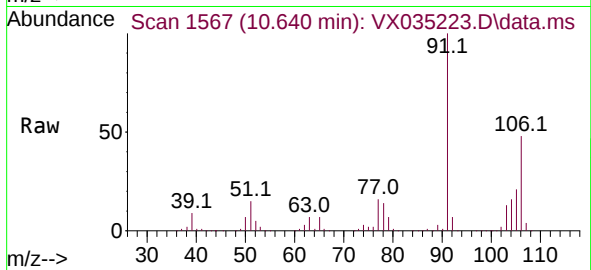
ClientSampleId :

Tgt Ion:106 Resp: 279412

Ion Ratio Lower Upper

106 100

91 210.5 153.9 285.7



#55

Styrene

Concen: 50.833 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX035223.D

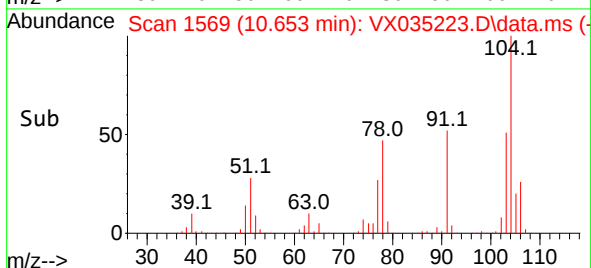
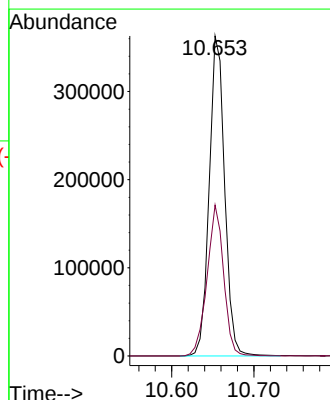
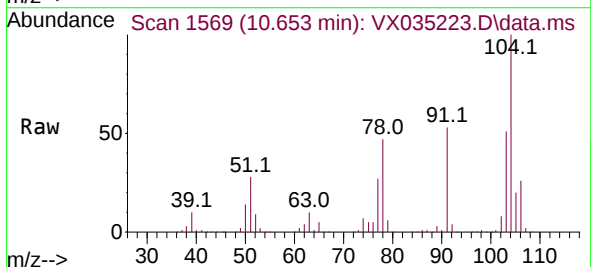
Acq: 20 Apr 2023 18:31

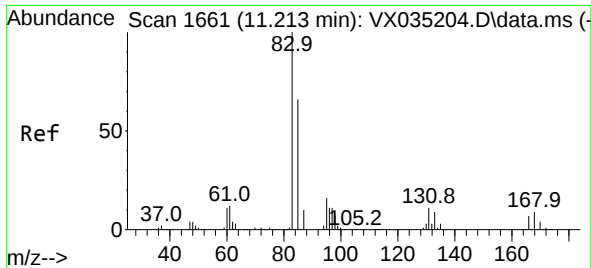
Tgt Ion:104 Resp: 473868

Ion Ratio Lower Upper

104 100

78 47.2 33.5 62.3

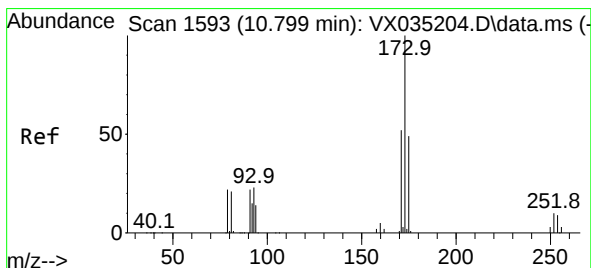
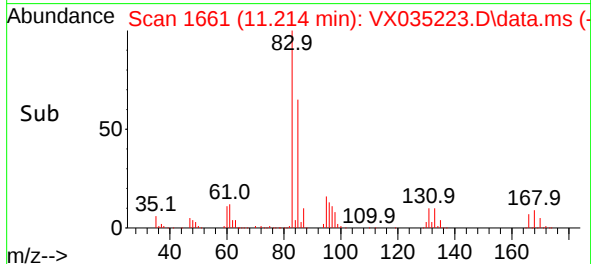
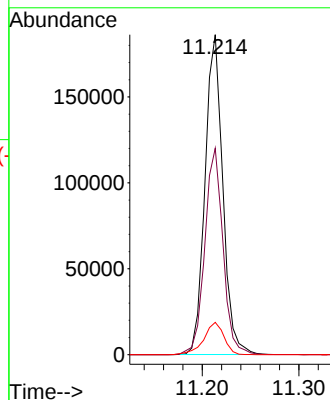
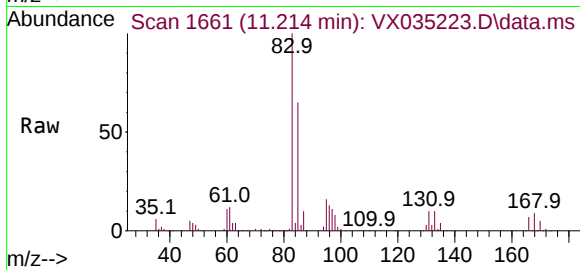




#57
1,1,2,2-Tetrachloroethane
Concen: 50.820 ug/L
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

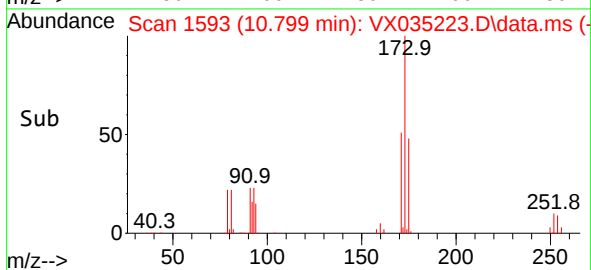
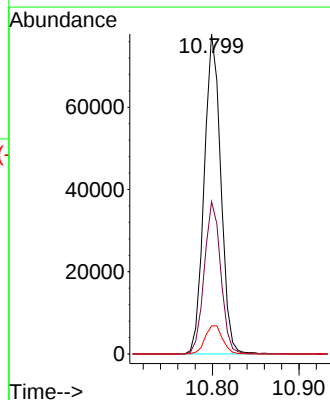
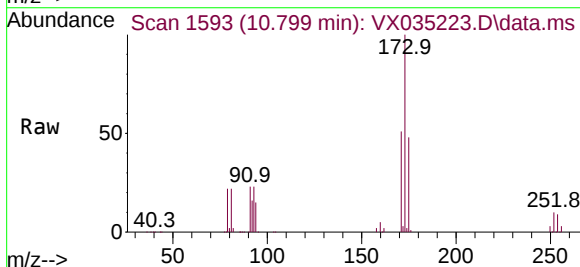
Instrument :
MSVOA_X
ClientSampleId :

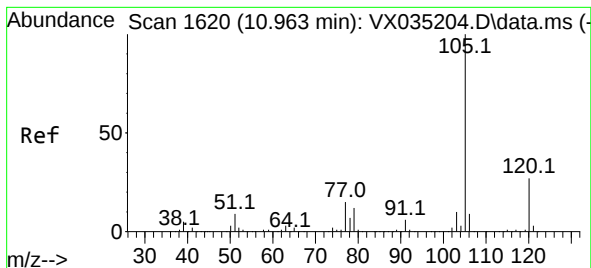
Tgt Ion: 83 Resp: 238433
Ion Ratio Lower Upper
83 100
85 64.5 46.0 85.4
131 10.1 8.3 12.5



#59
Bromoform
Concen: 47.746 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion:173 Resp: 103687
Ion Ratio Lower Upper
173 100
175 47.2 38.2 57.4
254 9.3 7.4 11.0





#60

Isopropylbenzene

Concen: 51.846 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

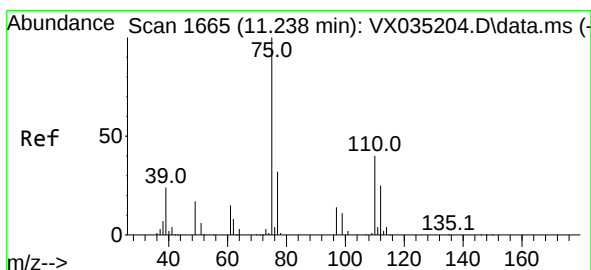
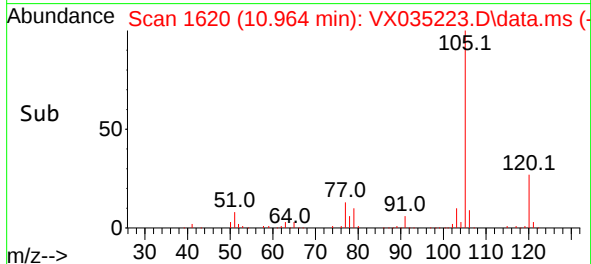
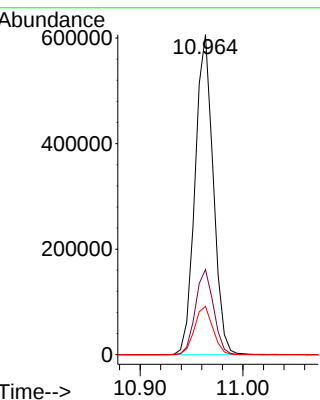
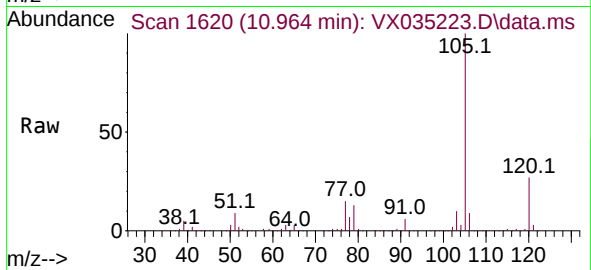
Tgt Ion:105 Resp: 743726

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

77 15.3 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 47.900 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

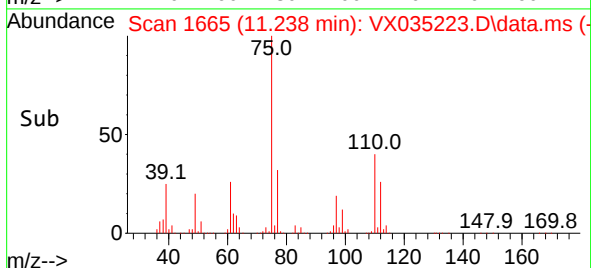
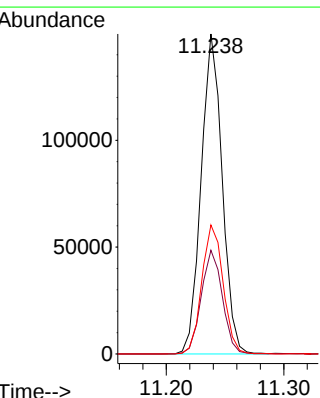
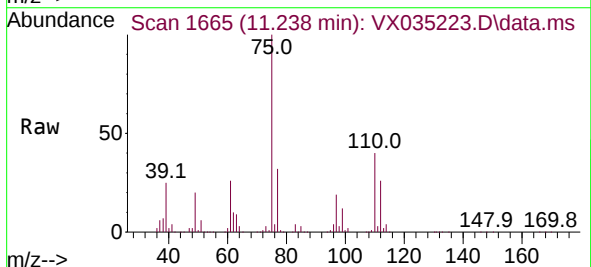
Tgt Ion: 75 Resp: 186567

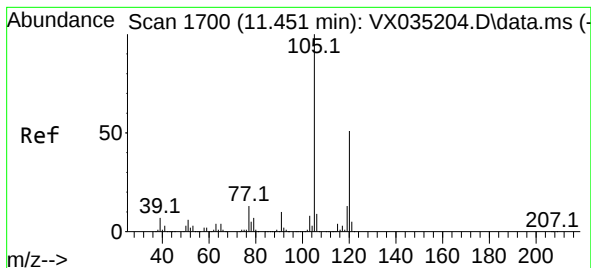
Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

110 40.7 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 52.767 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

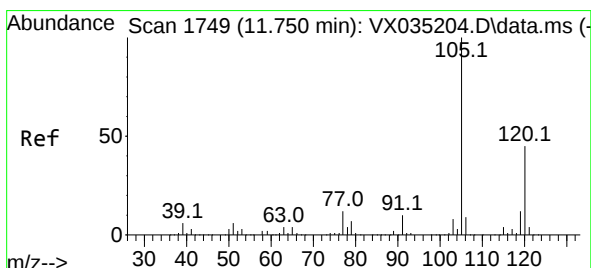
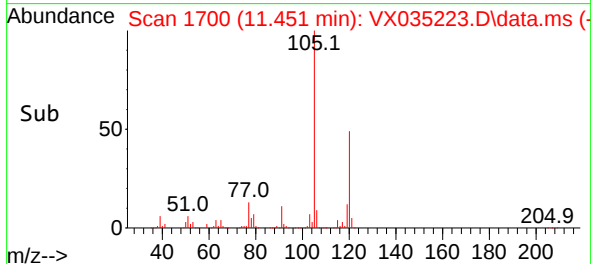
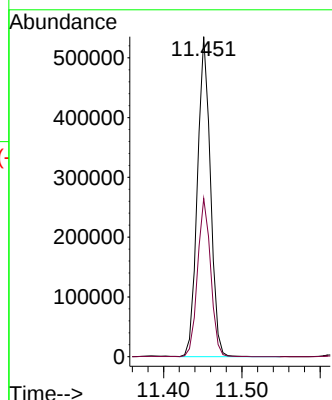
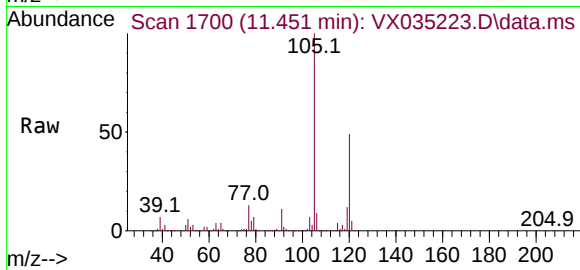
ClientSampleId :

Tgt Ion:105 Resp: 619016

Ion Ratio Lower Upper

105 100

120 49.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 52.244 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX035223.D

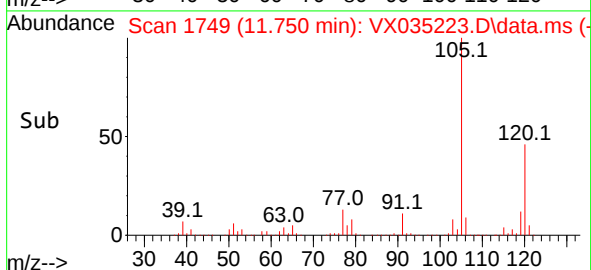
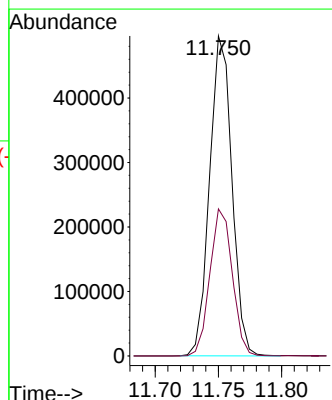
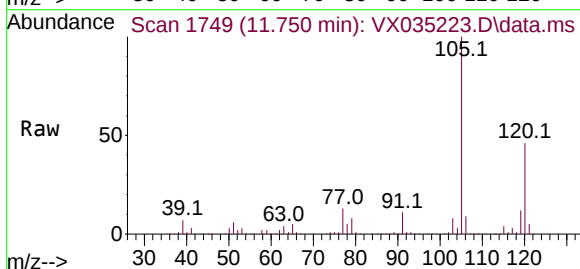
Acq: 20 Apr 2023 18:31

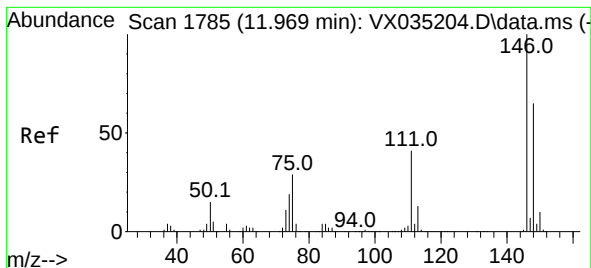
Tgt Ion:105 Resp: 609413

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 50.518 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

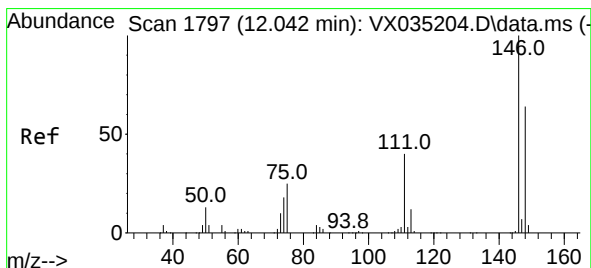
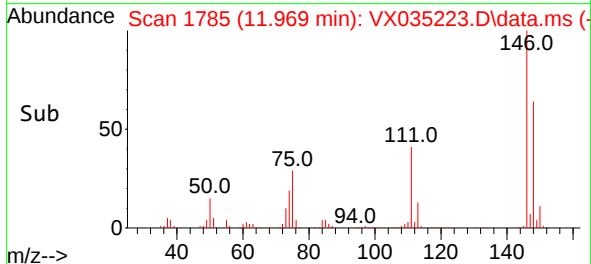
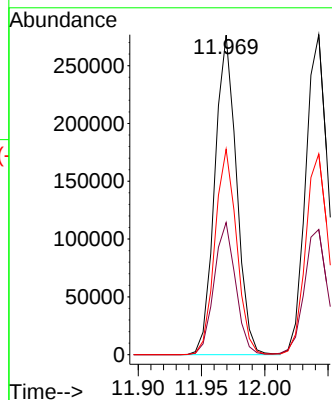
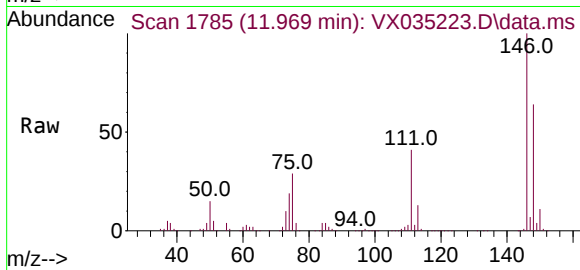
Tgt Ion:146 Resp: 330506

Ion Ratio Lower Upper

146 100

111 41.4 28.9 53.7

148 64.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 50.674 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

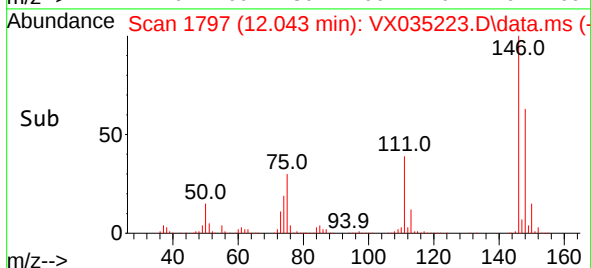
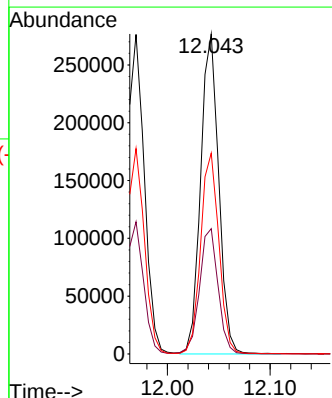
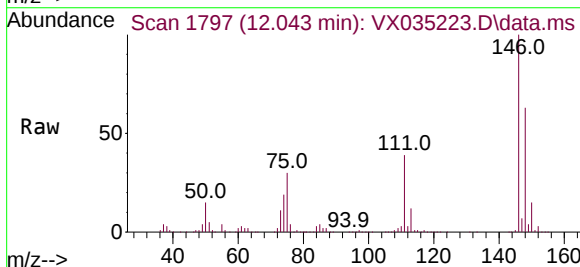
Tgt Ion:146 Resp: 339240

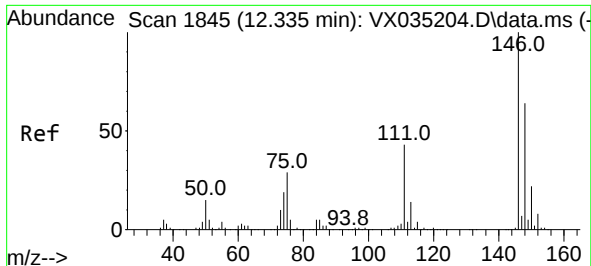
Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.7

148 62.8 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 49.623 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

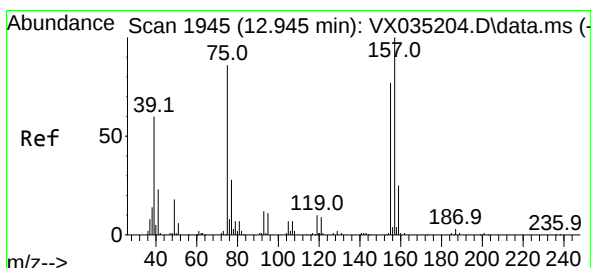
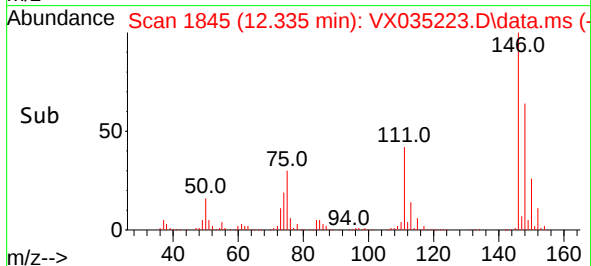
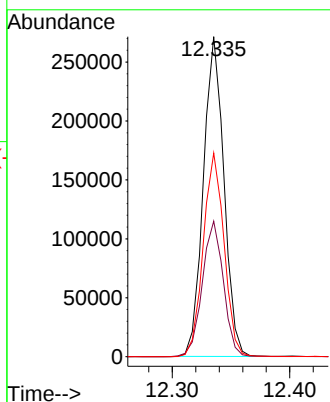
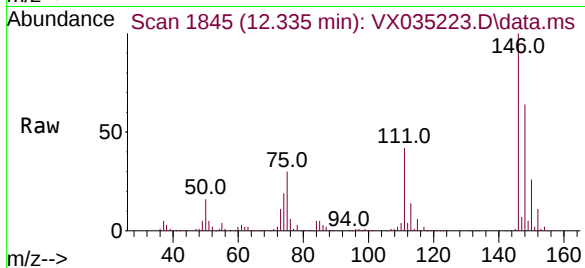
Tgt Ion:146 Resp: 329184

Ion Ratio Lower Upper

146 100

111 42.4 34.7 52.1

148 63.6 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 46.704 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX035223.D

Acq: 20 Apr 2023 18:31

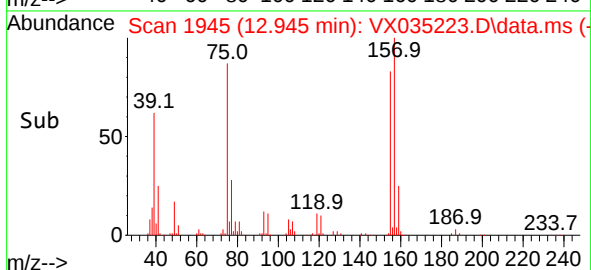
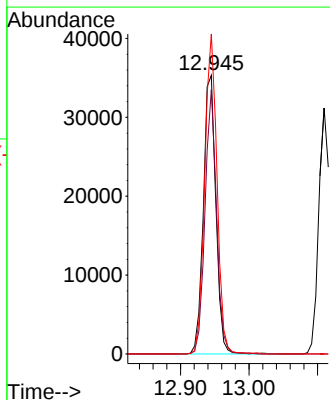
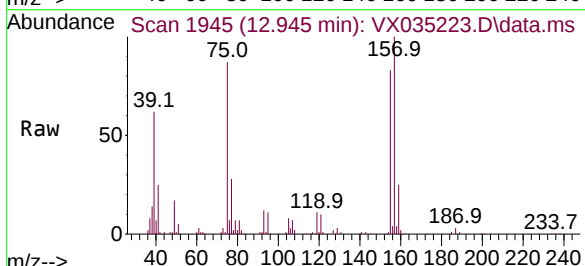
Tgt Ion: 75 Resp: 44886

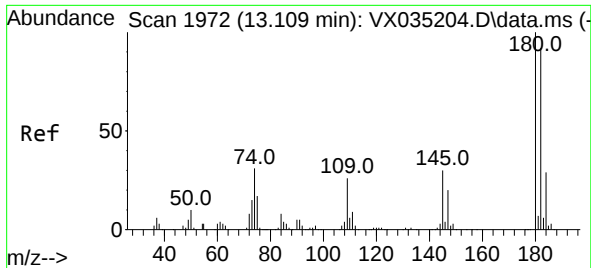
Ion Ratio Lower Upper

75 100

155 94.9 69.9 104.9

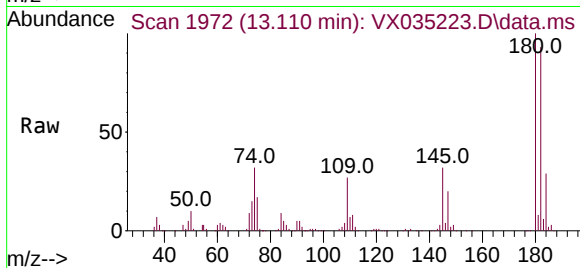
157 114.9 90.4 135.6



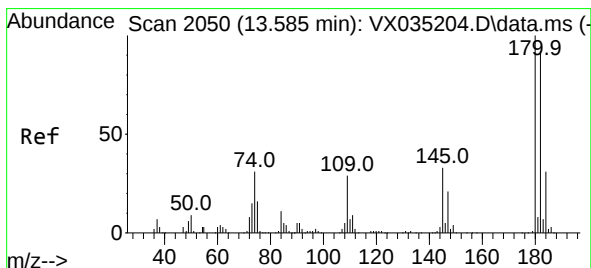
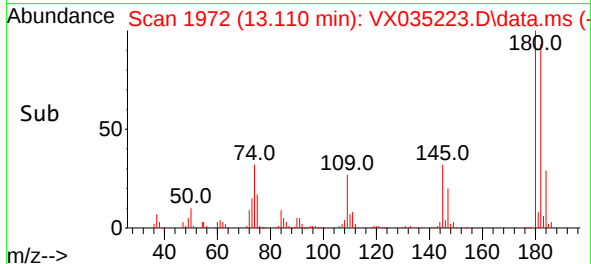
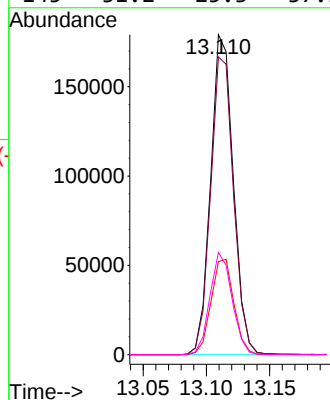


#69
 1,3,5-Trichlorobenzene
 Concen: 55.232 ug/L
 RT: 13.110 min Scan# 1972
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

Instrument :
 MSVOA_X
 ClientSampleId :

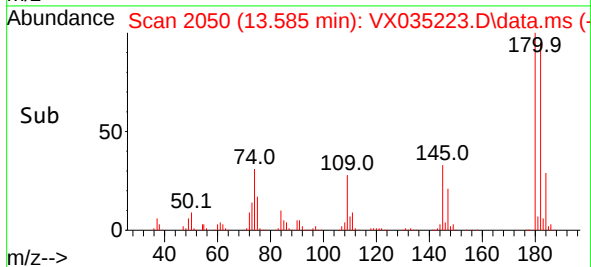
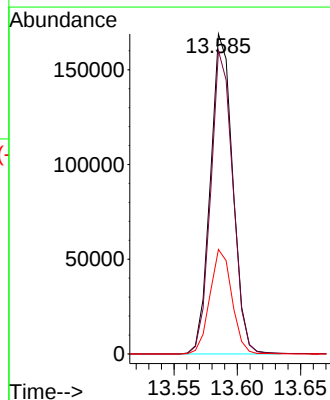
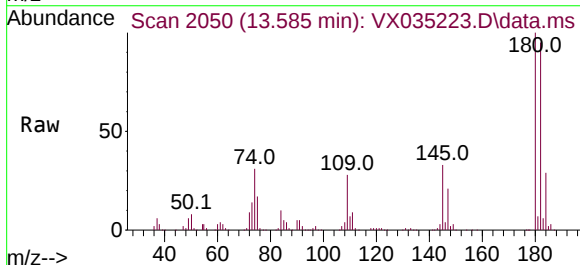


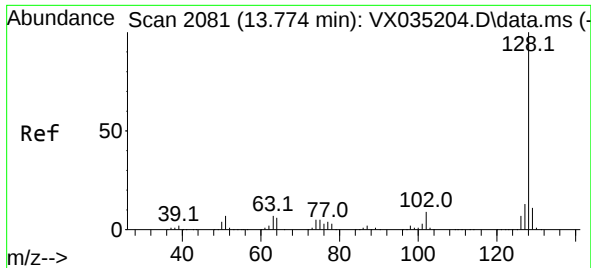
Tgt Ion:180 Resp: 223391
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.4 113.0
 184 30.0 23.8 35.8
 145 31.2 25.3 37.9



#70
 1,2,4-trichlorobenzene
 Concen: 54.847 ug/L
 RT: 13.585 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VX035223.D
 Acq: 20 Apr 2023 18:31

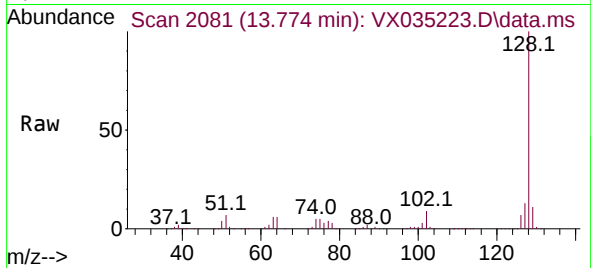
Tgt Ion:180 Resp: 207716
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.6 114.8
 145 32.0 26.2 39.4



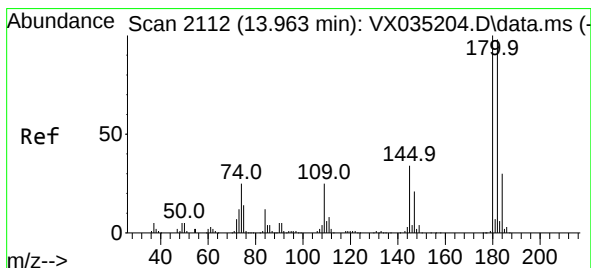
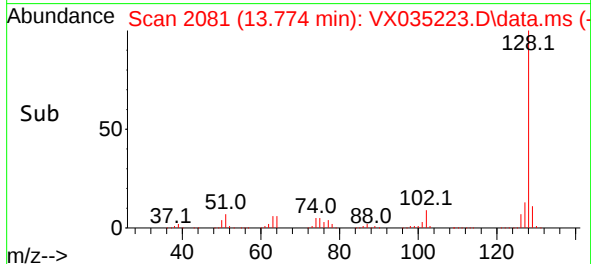
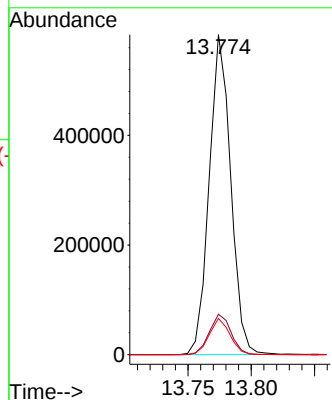


#71
Naphthalene
Concen: 51.141 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 689898
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 54.732 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035223.D
Acq: 20 Apr 2023 18:31

Tgt Ion:180 Resp: 204629
Ion Ratio Lower Upper
180 100
182 95.4 75.0 112.6
145 34.2 27.1 40.7

