

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018513.D
 Acq On : 21 Sep 2020 14:19
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

Quant Time: Sep 22 01:53:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 01:45:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	707452	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	660853	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	362657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	227565	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.84%
7) Chloroethane-d5	1.70	69	169238	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.32%
11) 1,1-Dichloroethene-d2	2.34	63	477170	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
21) 2-Butanone-d5	4.53	46	301778	96.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.75%
24) Chloroform-d	5.14	84	451282	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
26) 1,2-Dichloroethane-d4	6.03	65	317619	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
32) Benzene-d6	6.05	84	864166	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	7.37	67	277781	52.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.10%
41) Toluene-d8	8.70	98	833500	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	8.99	79	150341	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
47) 2-Hexanone-d5	9.43	63	227332	102.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.50%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	351476	49.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.38%
66) 1,2-Dichlorobenzene-d4	12.36	152	336615	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	300125	49.266	ug/L	100
3) Chloromethane	1.31	50	238800	51.347	ug/L	99
5) Vinyl chloride	1.39	62	254625	49.228	ug/L	99
6) Bromomethane	1.64	94	145425	52.756	ug/L	95
8) Chloroethane	1.72	64	146292	48.142	ug/L	95
9) Trichlorofluoromethane	1.92	101	428218	49.017	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	239328	50.391	ug/L	99
12) 1,1-Dichloroethene	2.36	96	217759	48.865	ug/L	95
13) Acetone	2.42	43	241367	105.198	ug/L	96
14) Carbon disulfide	2.55	76	679290	50.129	ug/L	99
15) Methyl Acetate	2.75	43	231776	47.604	ug/L #	90
16) Methylene chloride	2.84	84	240899	49.342	ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	231637	49.397	ug/L	97
18) Methyl tert-butyl Ether	3.17	73	750642	49.690	ug/L	99
19) 1,1-Dichloroethane	3.67	63	433690	49.745	ug/L	100
22) 2-Butanone	4.63	43	352396	101.155	ug/L	100
23) Bromochloromethane	4.98	128	141476	50.139	ug/L	97

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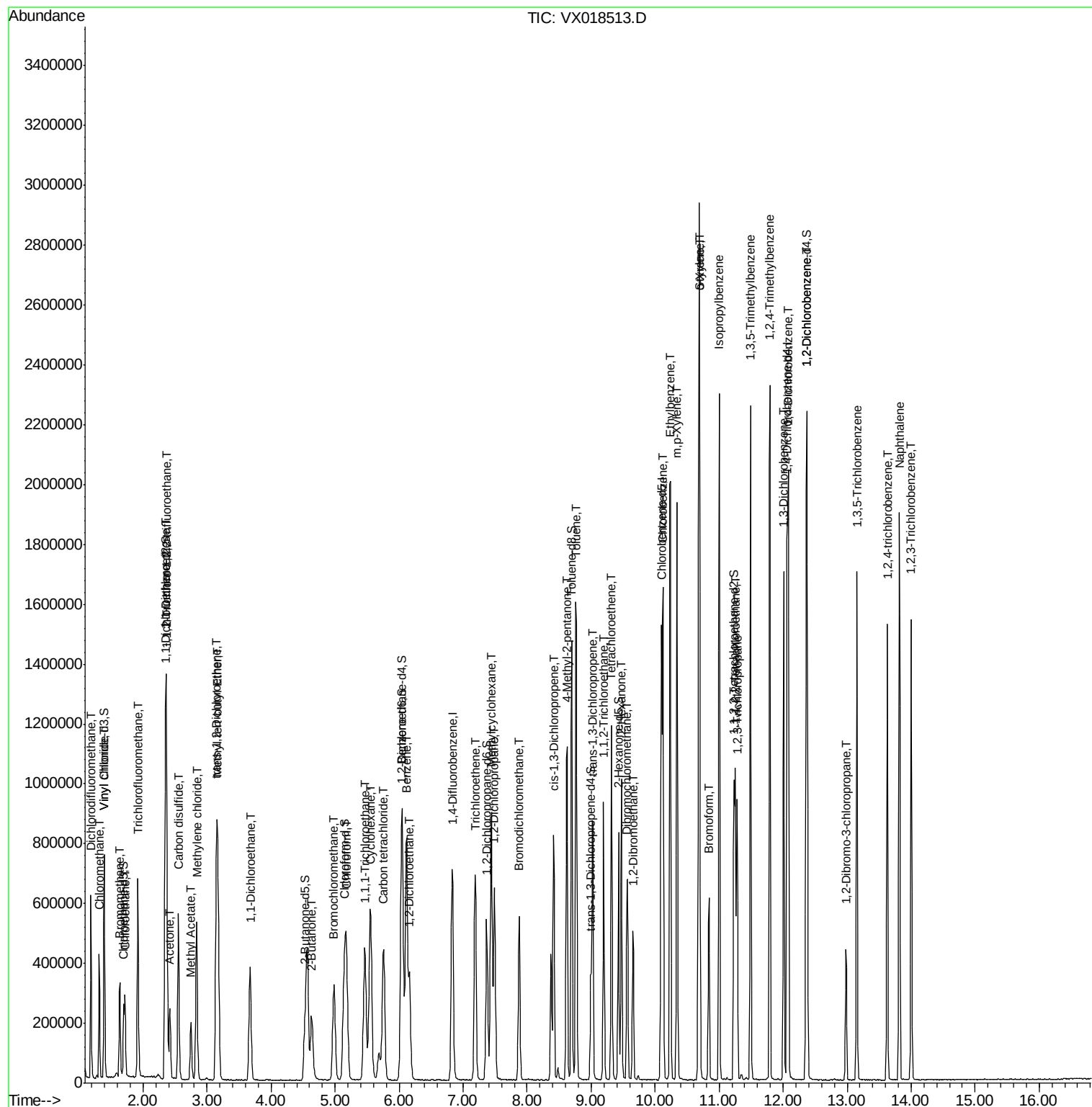
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.18	83	483366	49.593	ug/L	98
27) 1,2-Dichloroethane	6.16	62	383005	49.099	ug/L	98
29) Cyclohexane	5.55	56	380466	52.472	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	440259	49.579	ug/L	100
31) Carbon tetrachloride	5.76	117	408422	50.917	ug/L	99
33) Benzene	6.12	78	939642	50.688	ug/L	100
34) Trichloroethene	7.19	95	260076	50.280	ug/L	97
35) Methylcyclohexane	7.44	83	394160	52.436	ug/L	98
37) 1,2-Dichloropropane	7.49	63	249675	51.034	ug/L	99
38) Bromodichloromethane	7.87	83	353722	50.355	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	402279	50.939	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	650755	100.288	ug/L	100
42) Toluene	8.76	91	1029860	51.712	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	417857	51.993	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	233584	49.290	ug/L	98
46) Tetrachloroethene	9.32	164	220508	51.801	ug/L	97
48) 2-Hexanone	9.47	43	534625	104.602	ug/L	99
49) Dibromochloromethane	9.57	129	298179	49.934	ug/L	97
50) 1,2-Dibromoethane	9.65	107	266320	51.097	ug/L	95
51) Chlorobenzene	10.12	112	676721	50.592	ug/L	96
52) Ethylbenzene	10.24	91	1158823	52.235	ug/L	99
53) m,p-Xylene	10.34	106	441200	52.214	ug/L	100
54) o-Xylene	10.68	106	421073	51.739	ug/L	94
55) Styrene	10.70	104	742076	52.962	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	359941	49.634	ug/L	99
59) Bromoform	10.84	173	223638	46.770	ug/L	99
60) Isopropylbenzene	11.00	105	1152687	49.682	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	295373	45.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	994951	51.944	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	971585	49.798	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	556136	48.530	ug/L	99
65) 1,4-Dichlorobenzene	12.08	146	561425	48.509	ug/L	94
67) 1,2-Dichlorobenzene	12.37	146	538131	48.769	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.98	75	90859	47.347	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	403045	53.021	ug/L	91
70) 1,2,4-trichlorobenzene	13.63	180	352675	50.545	ug/L	99
71) Naphthalene	13.82	128	1104570	50.719	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	342497	48.974	ug/L	97

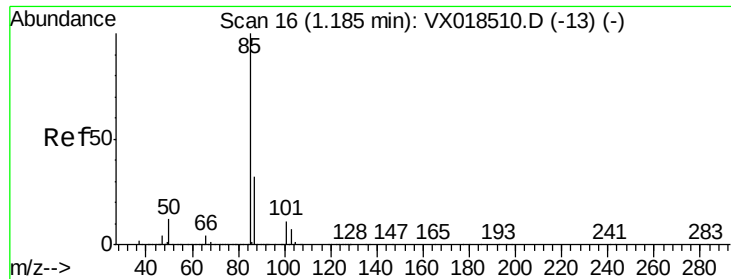
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.266 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

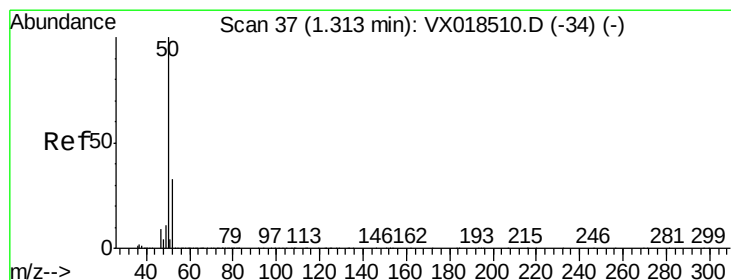
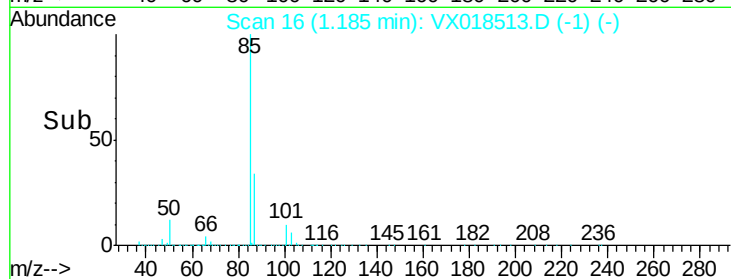
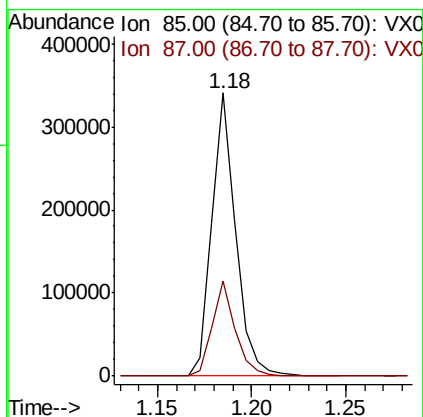
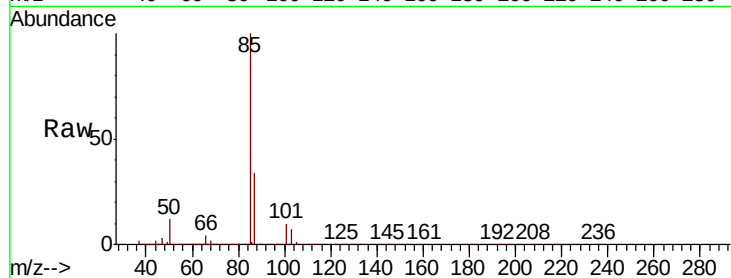
VICV406

Tot Ion: 85 Resp: 300125

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



#3

Chloromethane

Concen: 51.347 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018513.D

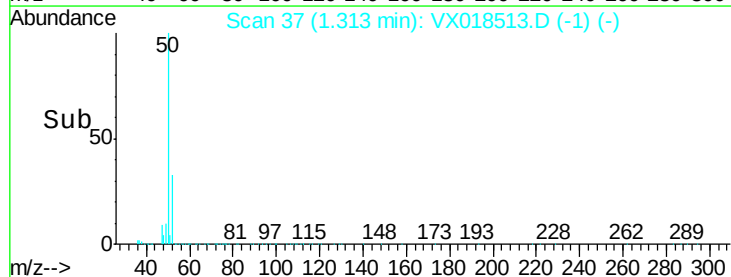
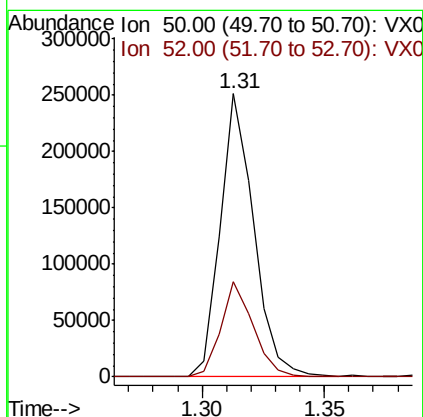
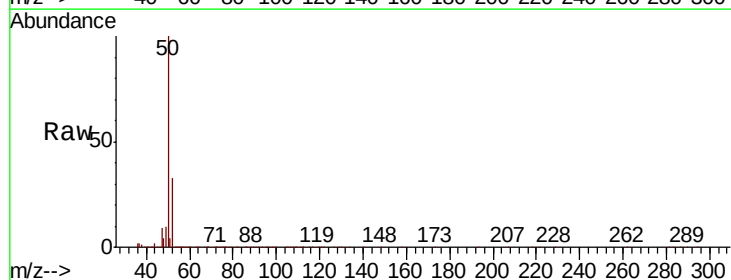
Acq: 21 Sep 2020 14:19

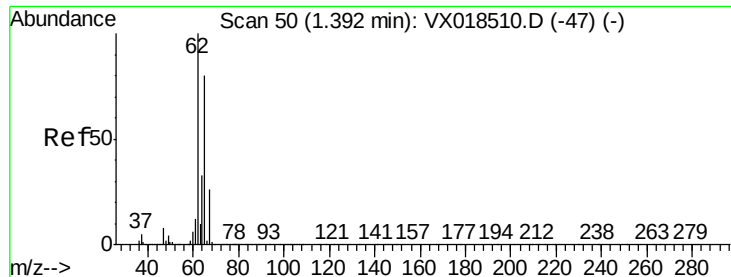
Tgt Ion: 50 Resp: 238800

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6





#5

Vinyl chloride

Concen: 49.228 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

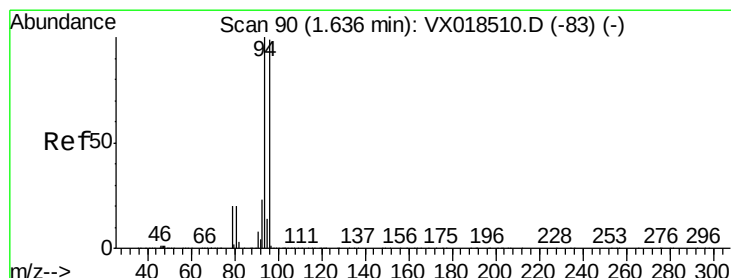
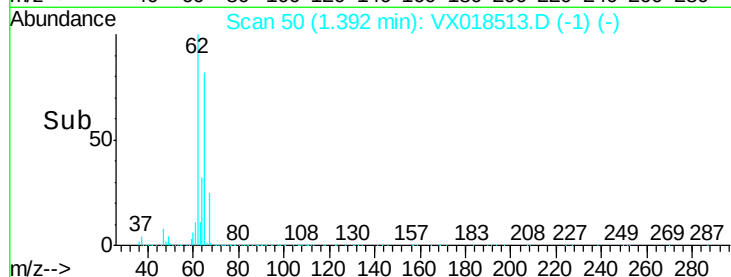
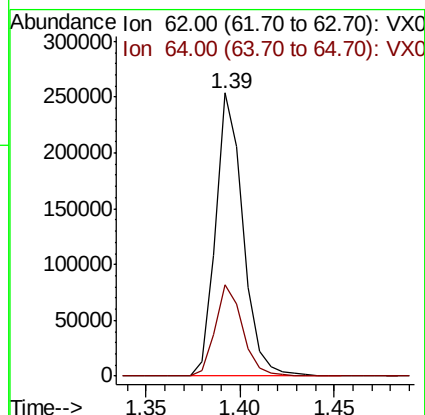
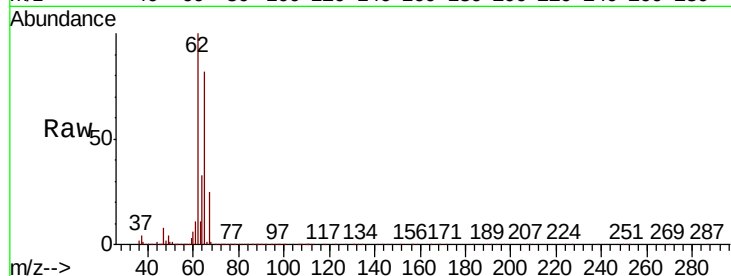
VICV406

Tot Ion: 62 Resp: 254625

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.6



#6

Bromomethane

Concen: 52.756 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX018513.D

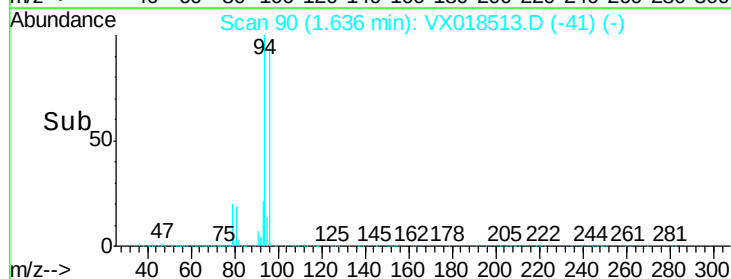
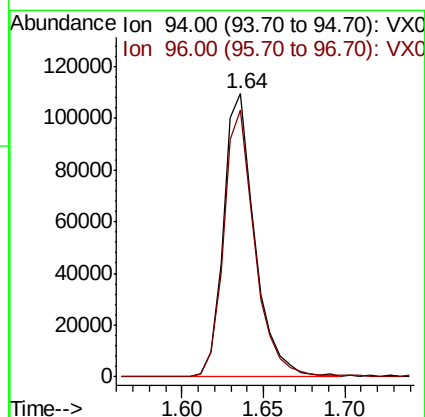
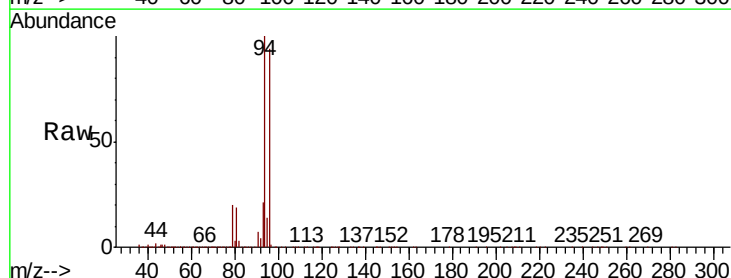
Acq: 21 Sep 2020 14:19

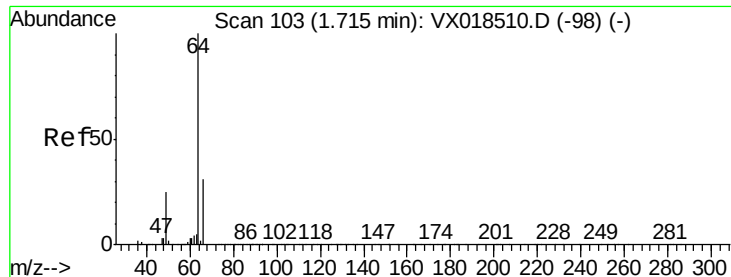
Tgt Ion: 94 Resp: 145425

Ion Ratio Lower Upper

94 100

96 94.2 69.2 128.4





#8

Chloroethane

Concen: 48.142 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

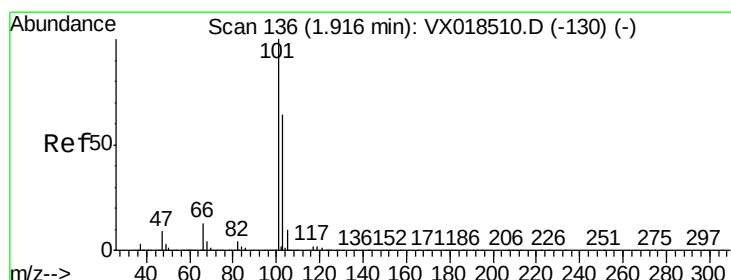
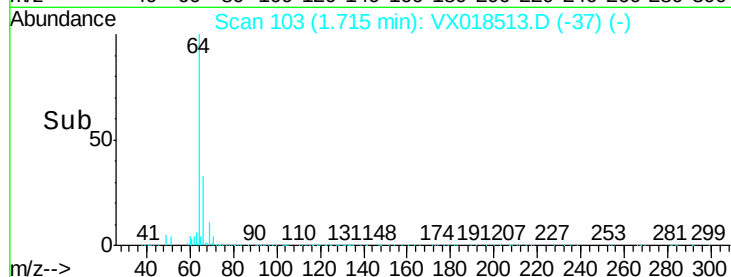
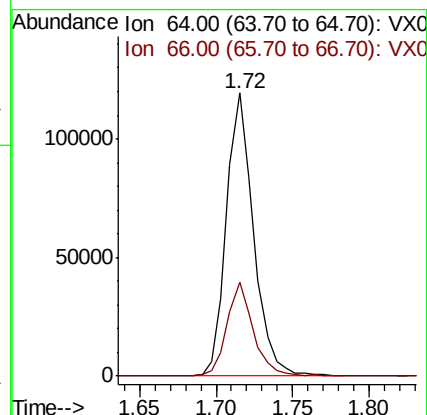
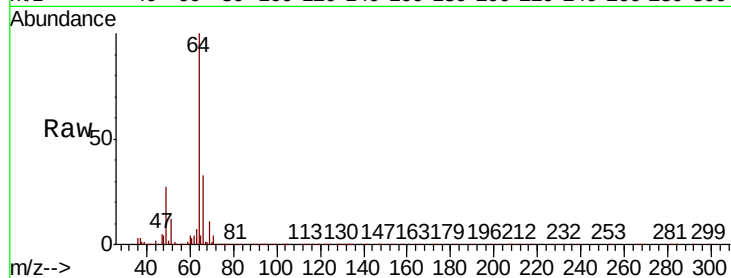
VICV406

Tot Ion: 64 Resp: 146292

Ion Ratio Lower Upper

64 100

66 33.4 21.6 40.2



#9

Trichlorofluoromethane

Concen: 49.017 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX018513.D

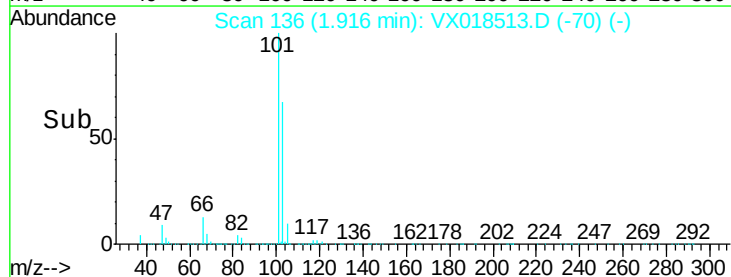
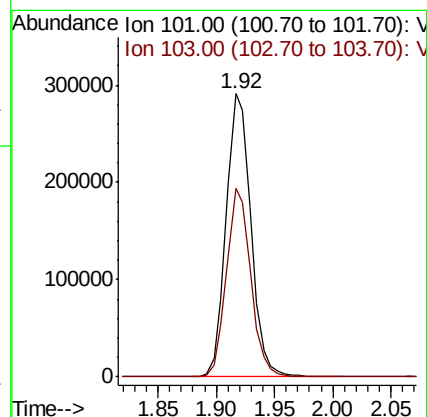
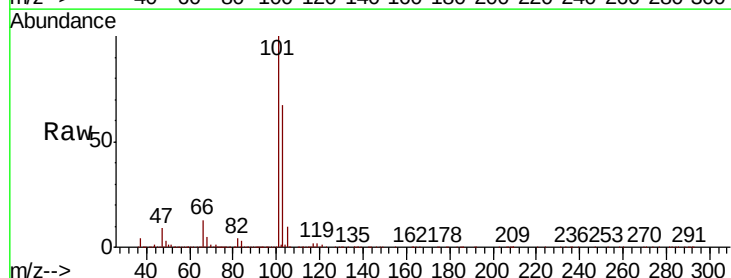
Acq: 21 Sep 2020 14:19

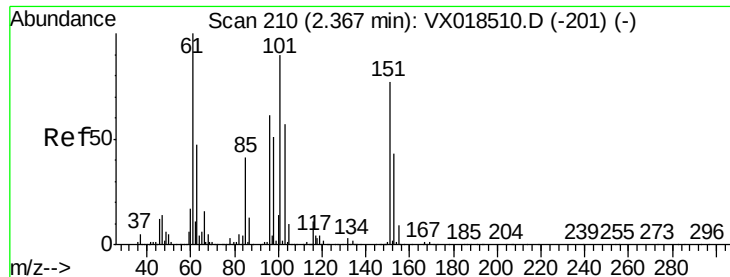
Tgt Ion: 101 Resp: 428218

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3





#10

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

Concen: 50.391 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

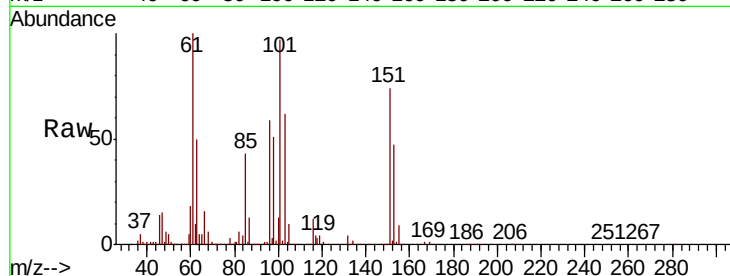
Tot Ion:101 Resp: 239328

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

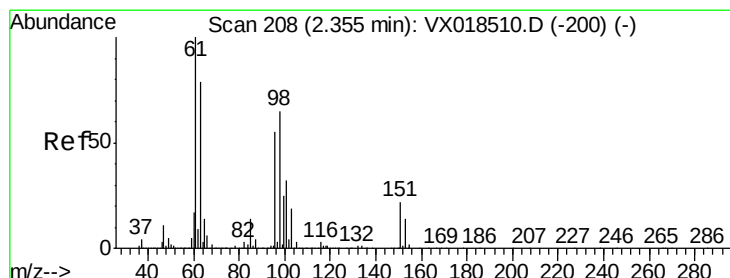
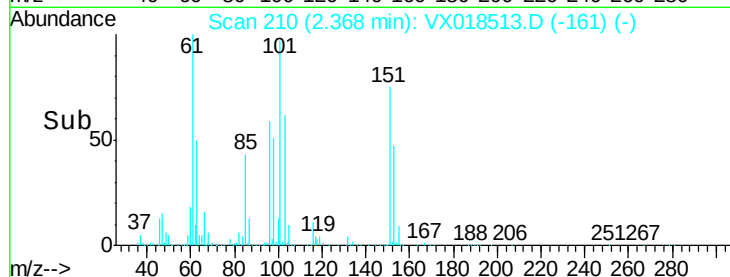
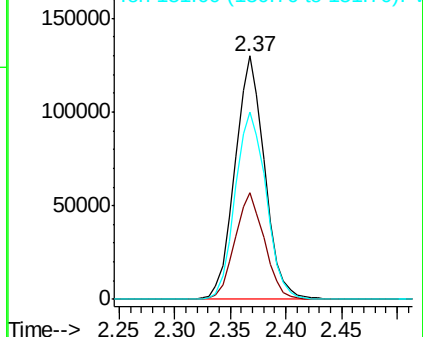
151 80.2 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.865 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

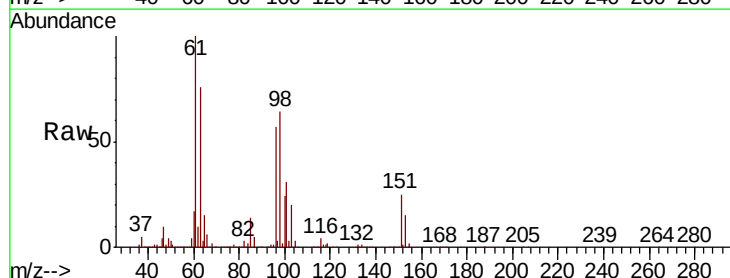
Tgt Ion: 96 Resp: 217759

Ion Ratio Lower Upper

96 100

61 176.7 126.8 235.6

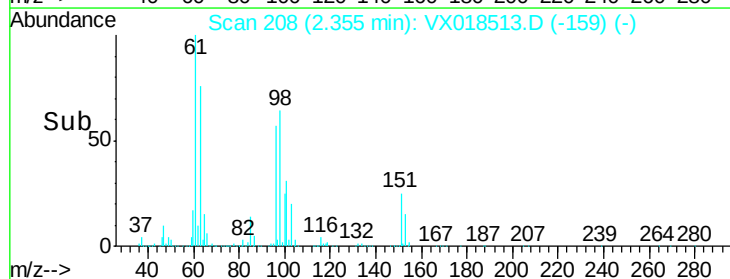
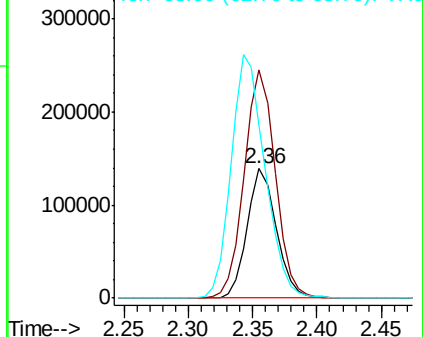
63 134.0 100.3 186.3

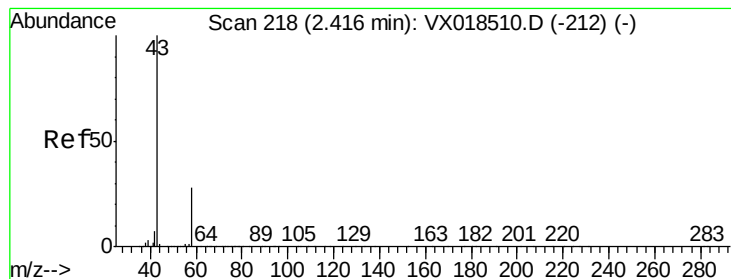


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 105.198 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

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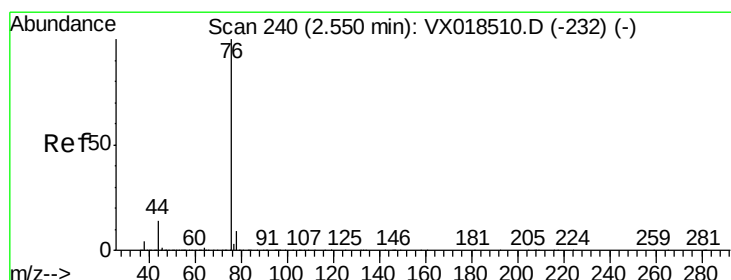
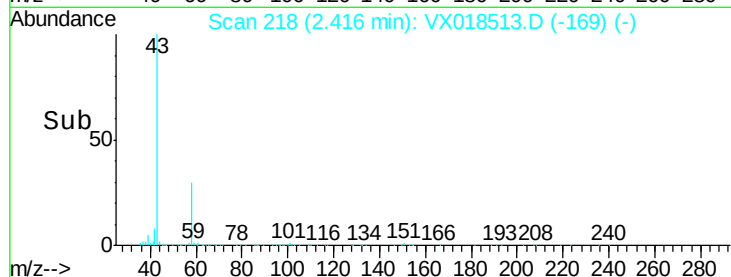
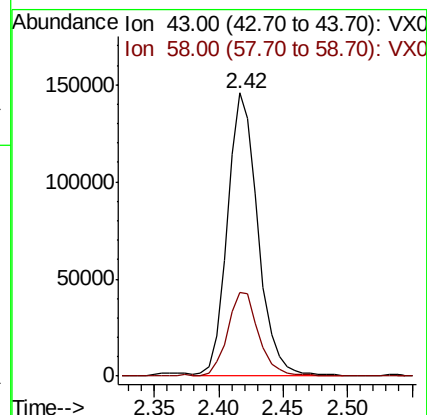
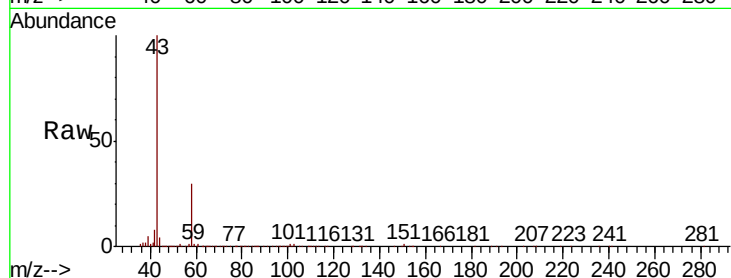
VICV406

Tot Ion: 43 Resp: 241367

Ion Ratio Lower Upper

43 100

58 30.8 0.0 57.6



#14

Carbon disulfide

Concen: 50.129 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018513.D

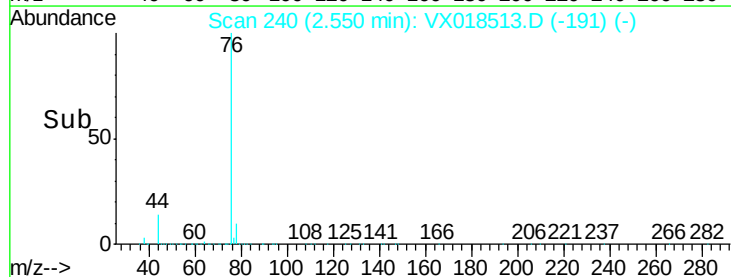
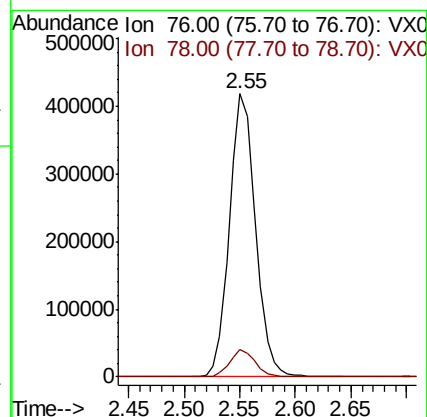
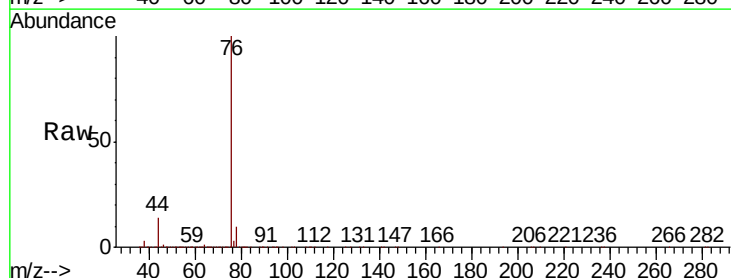
Acq: 21 Sep 2020 14:19

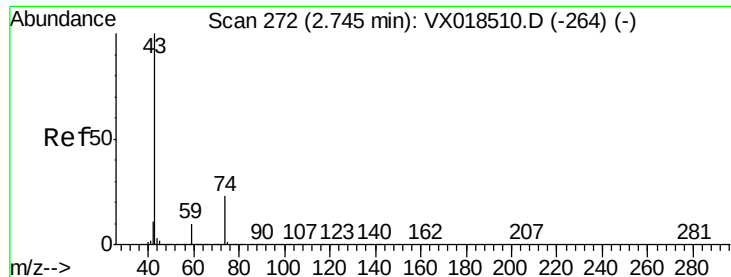
Tgt Ion: 76 Resp: 679290

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

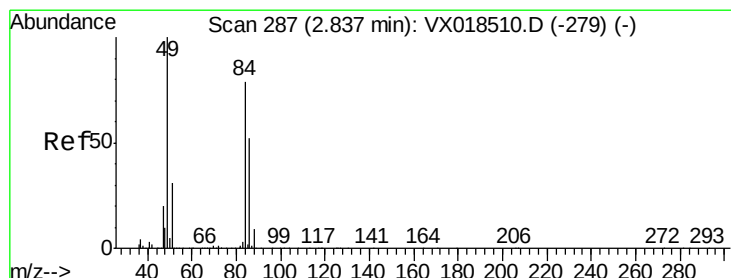
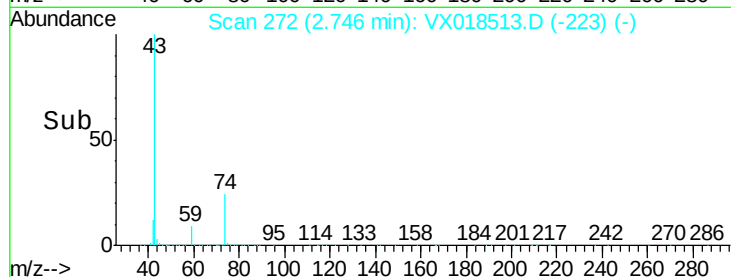
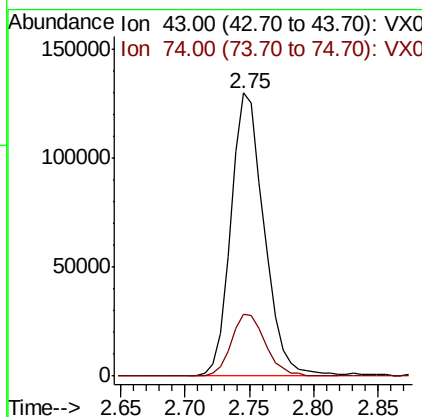
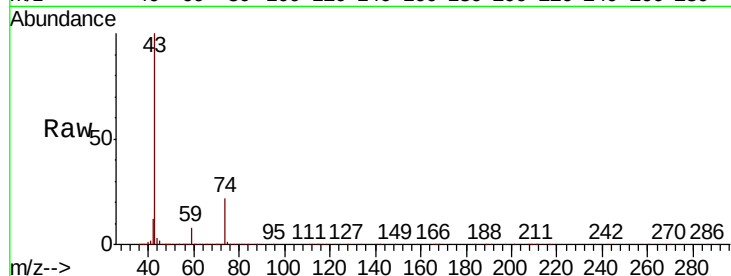




#15
Methvl Acetate
Concen: 47.604 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

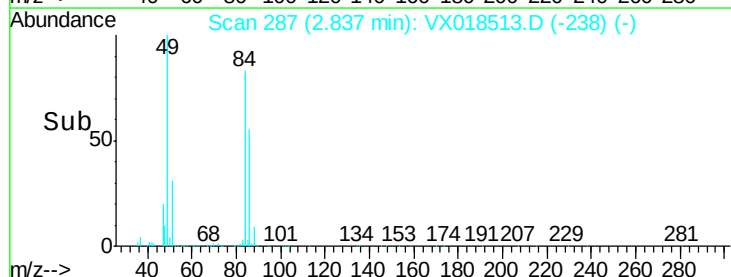
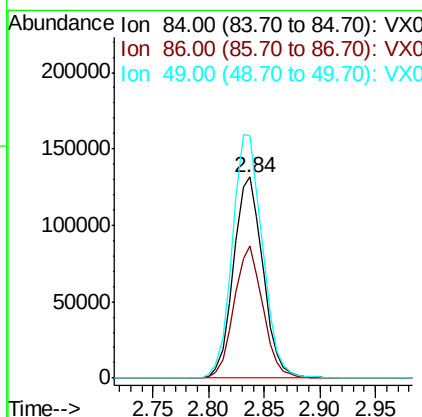
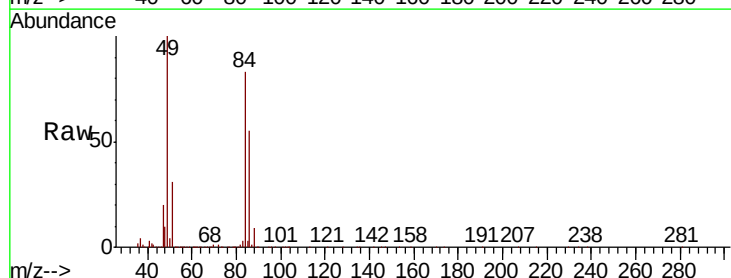
Instrument :
MSVOA_X
ClientSampleId :
VICV406

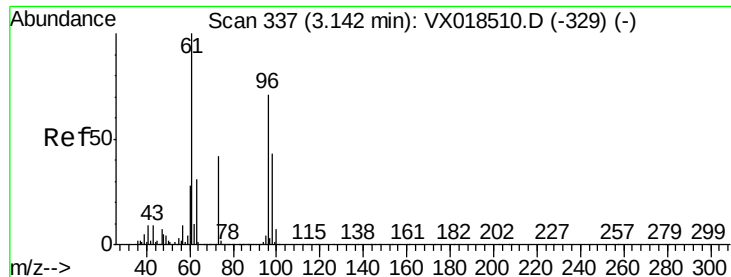
Tot Ion: 43 Resp: 231776
Ion Ratio Lower Upper
43 100
74 22.8 0.1 0.1#



#16
Methylene chloride
Concen: 49.342 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

Tgt Ion: 84 Resp: 240899
Ion Ratio Lower Upper
84 100
86 65.9 46.1 85.7
49 120.8 88.5 164.3





#17

trans-1,2-Dichloroethene

Concen: 49.397 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

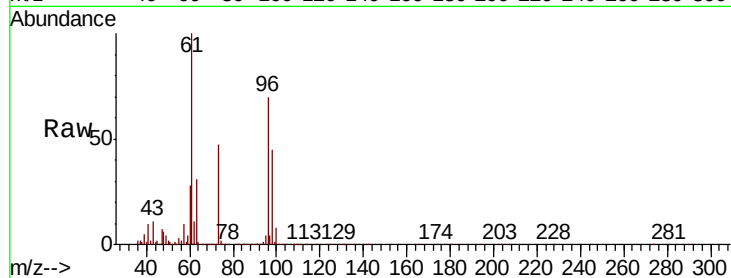
Tot Ion: 96 Resp: 231637

Ion Ratio Lower Upper

96 100

61 142.9 98.3 182.5

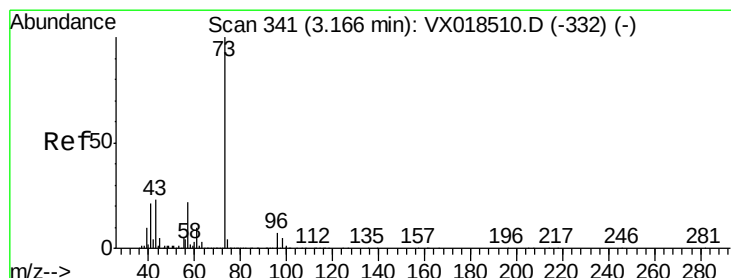
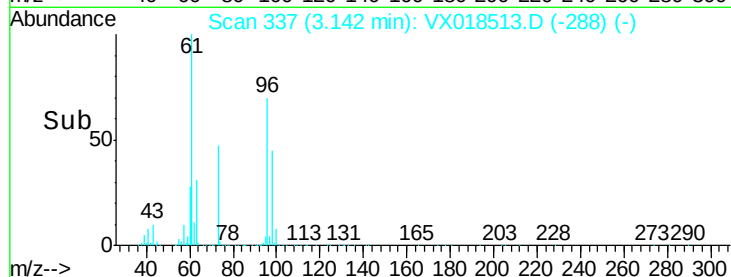
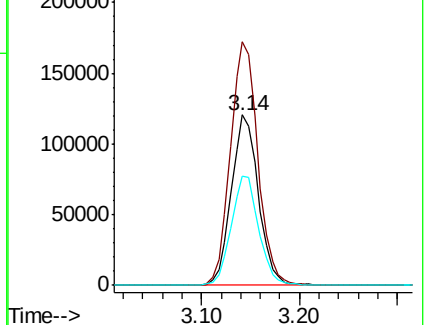
98 63.9 42.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 49.690 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

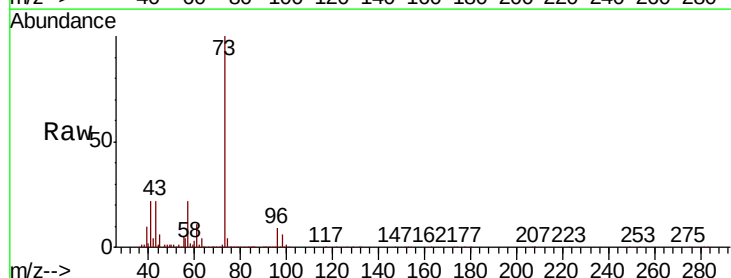
Tgt Ion: 73 Resp: 750642

Ion Ratio Lower Upper

73 100

43 21.9 17.8 26.6

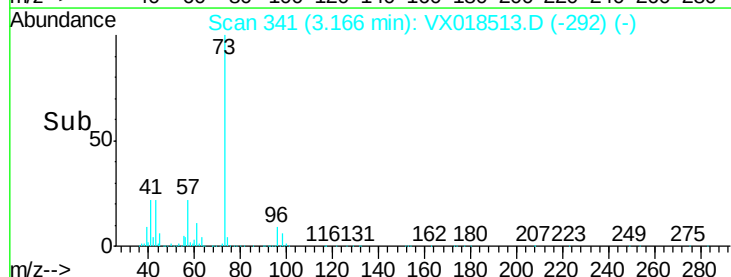
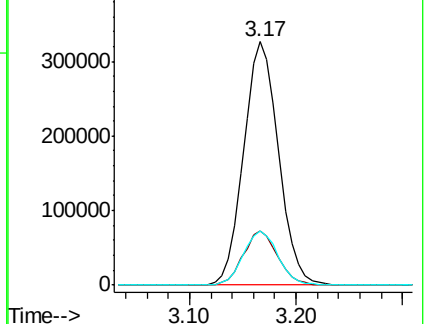
57 22.3 17.1 25.7

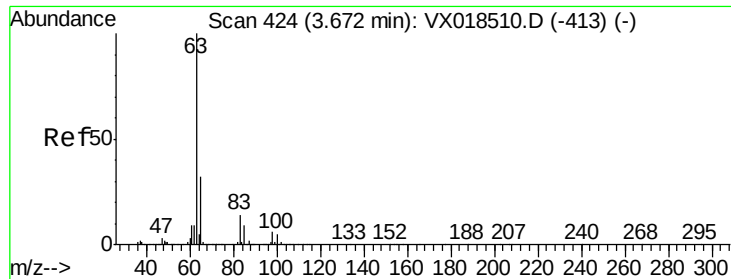


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

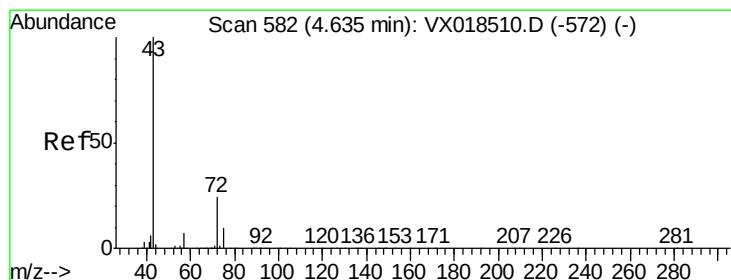
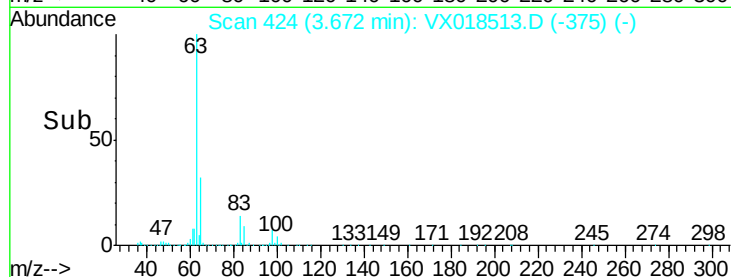
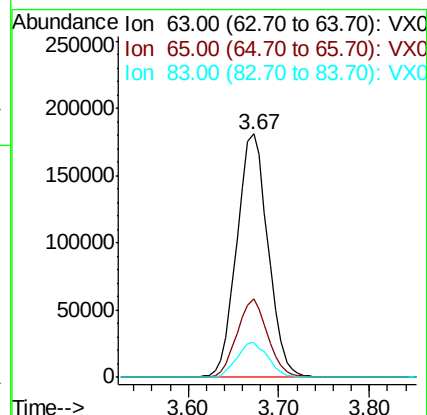
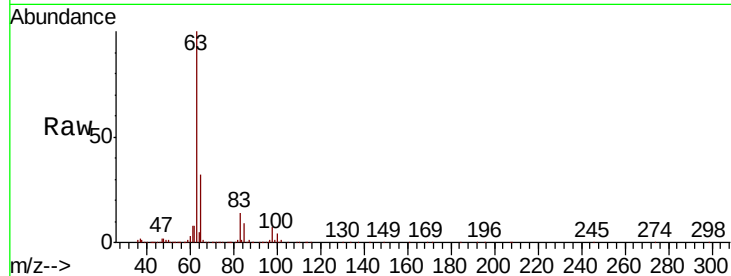




#19
 1,1-Dichloroethane
 Concen: 49.745 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

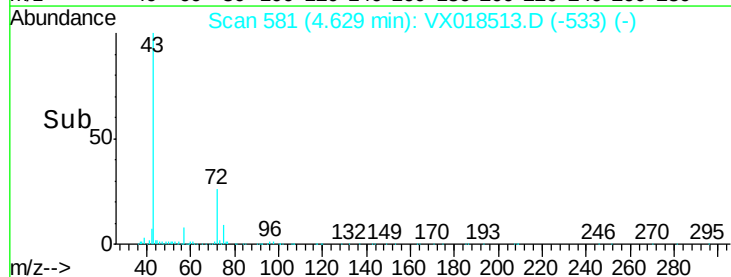
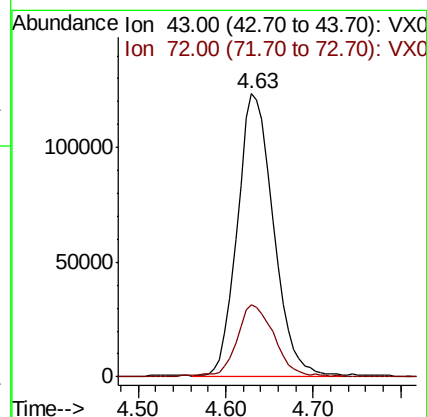
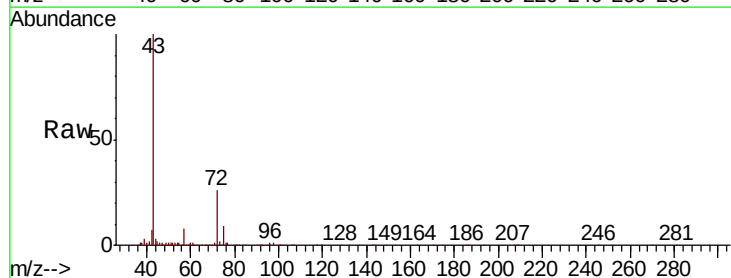
Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

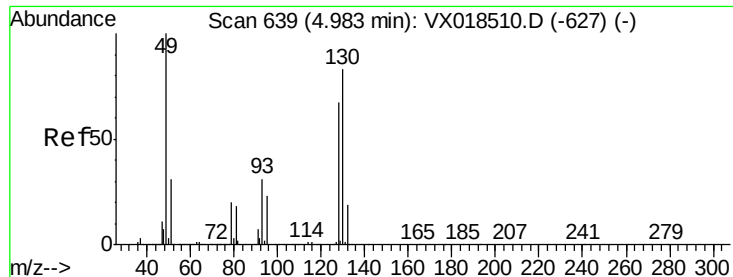
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.5	41.7
83	14.1	9.7	17.9



#22
 2-Butanone
 Concen: 101.155 ug/L
 RT: 4.63 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	12.9	38.6





#23

Bromochloromethane

Concen: 50.139 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

Tot Ion:128 Resp: 141476

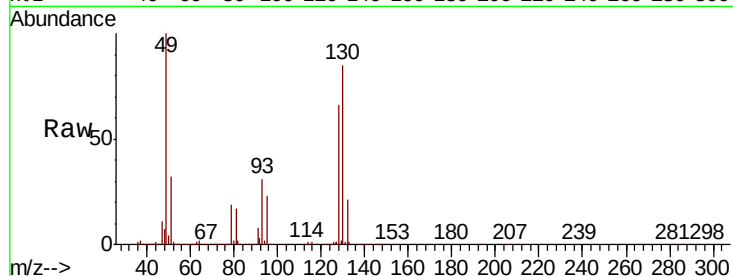
Ion Ratio Lower Upper

128 100

49 151.8 104.9 194.7

130 129.6 86.5 160.7

51 48.8 37.0 55.6

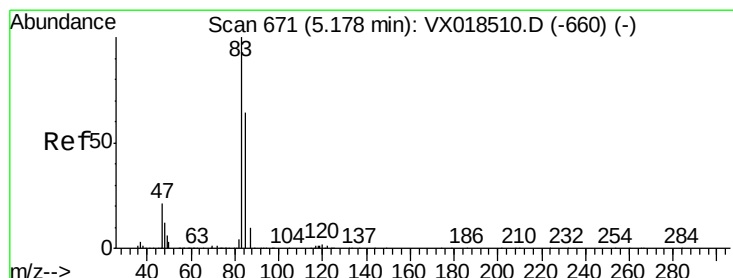
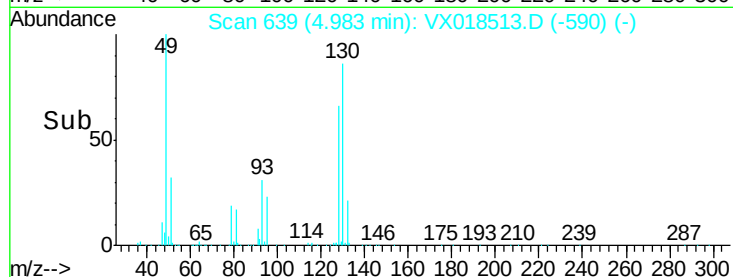
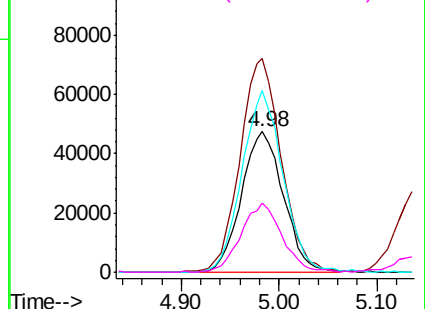


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0



#25

Chloroform

Concen: 49.593 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018513.D

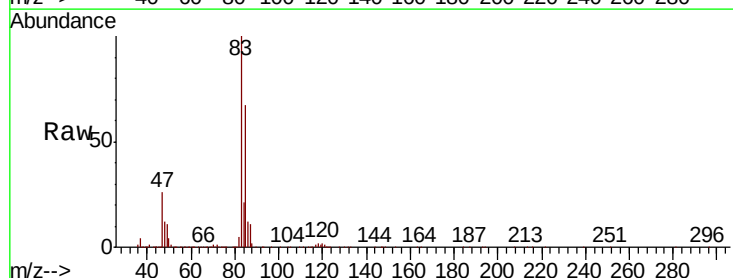
Acq: 21 Sep 2020 14:19

Tgt Ion: 83 Resp: 483366

Ion Ratio Lower Upper

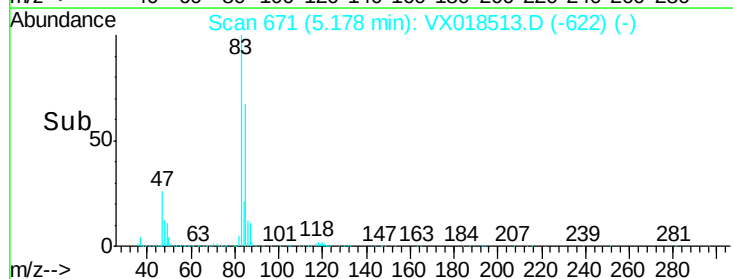
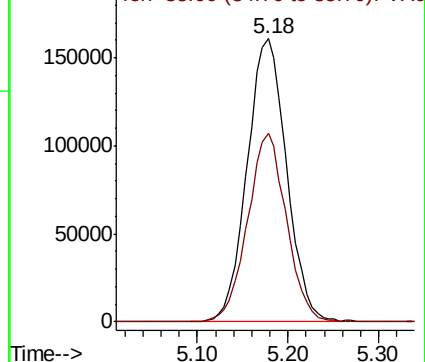
83 100

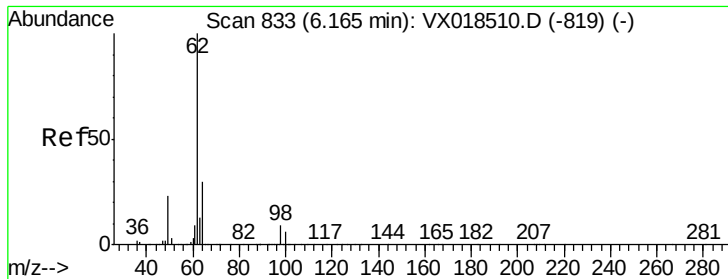
85 66.7 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

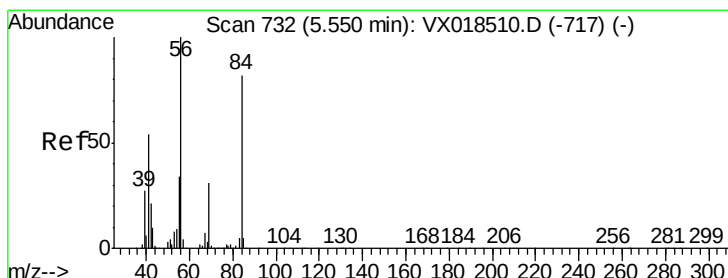
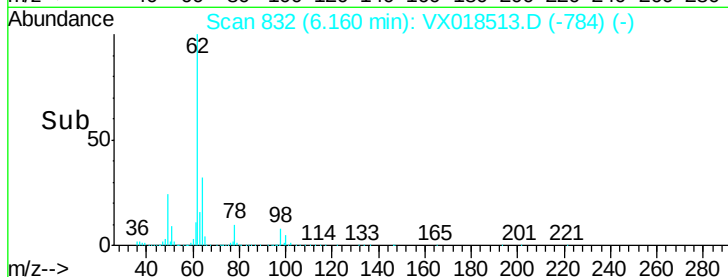
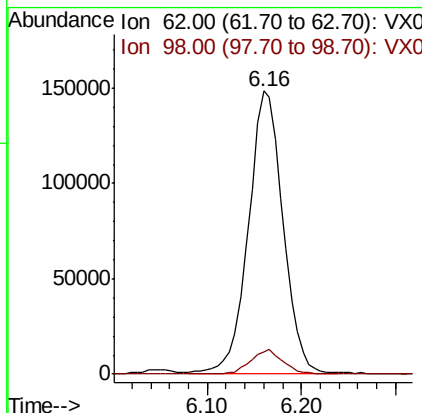
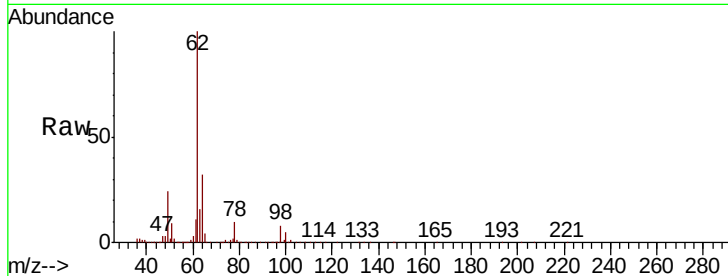




#27
1,2-Dichloroethane
Concen: 49.099 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

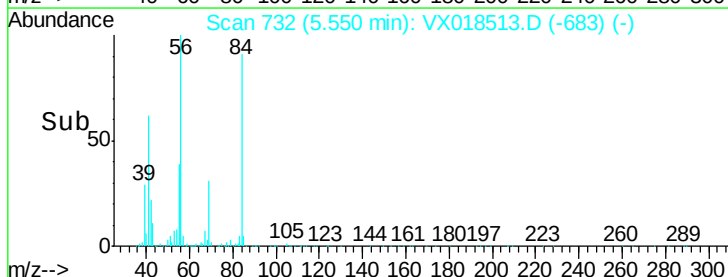
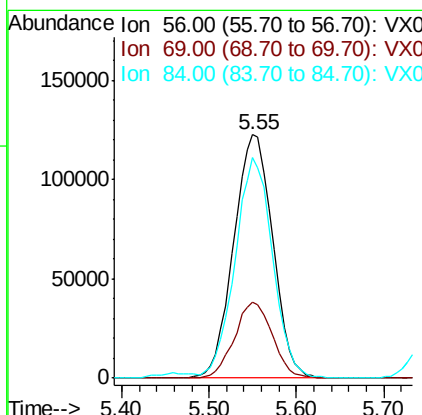
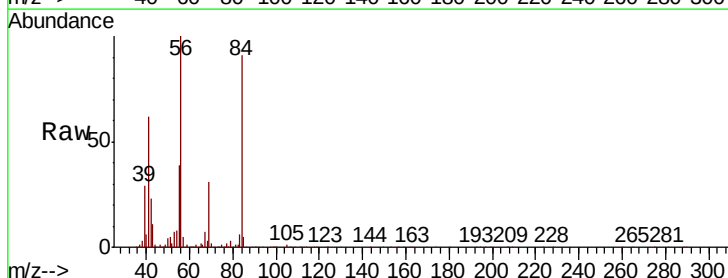
Instrument :
MSVOA_X
ClientSampleId :
VICV406

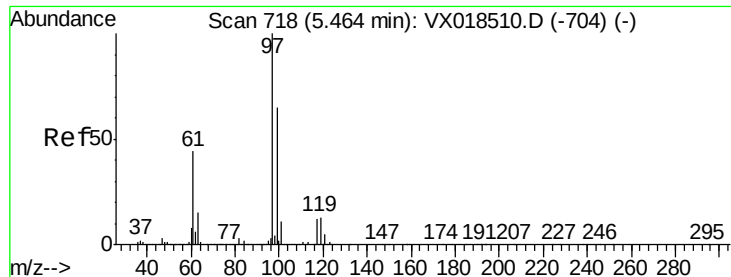
Tot Ion: 62 Resp: 383005
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1



#29
Cyclohexane
Concen: 52.472 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

Tgt Ion: 56 Resp: 380466
Ion Ratio Lower Upper
56 100
69 30.4 25.2 37.8
84 86.9 69.1 103.7

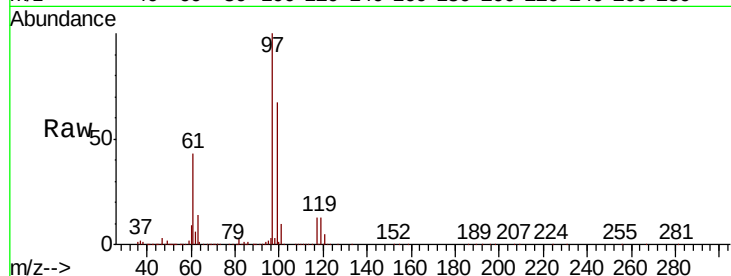




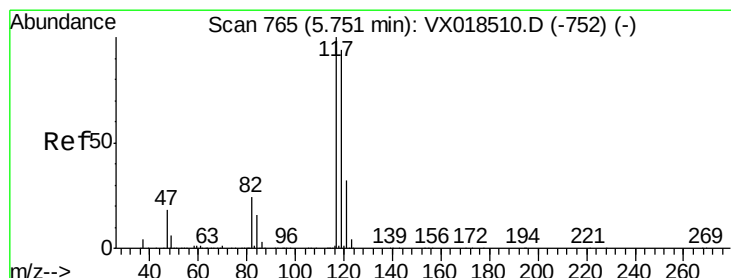
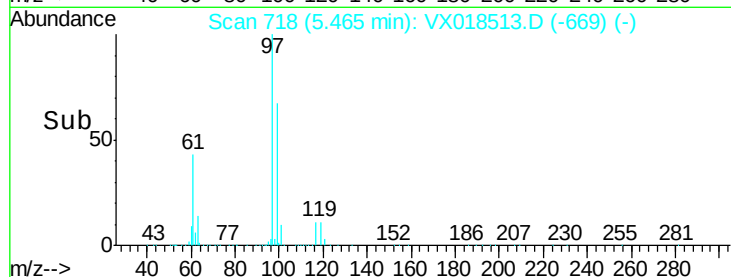
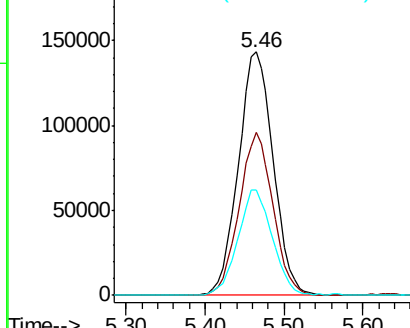
#30
 1,1,1-Trichloroethane
 Concen: 49.579 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

Tot Ion	97	Resp	440259
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	42.9	34.4	51.6

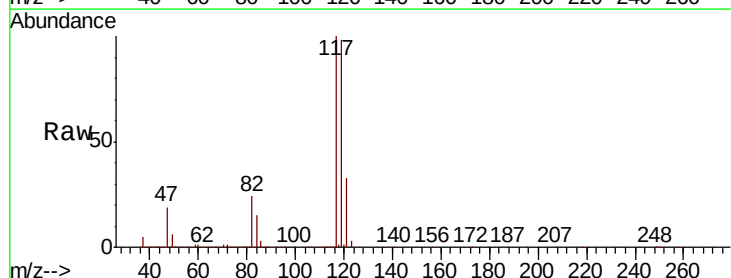


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 99.00 (98.70 to 99.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0

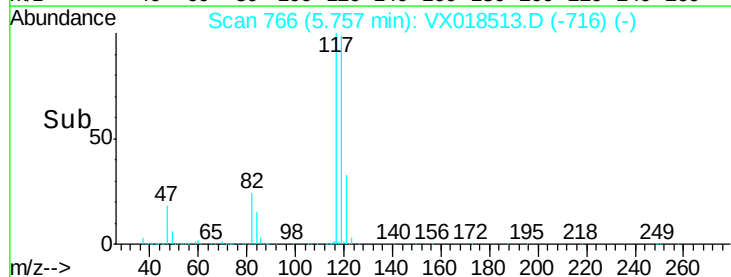
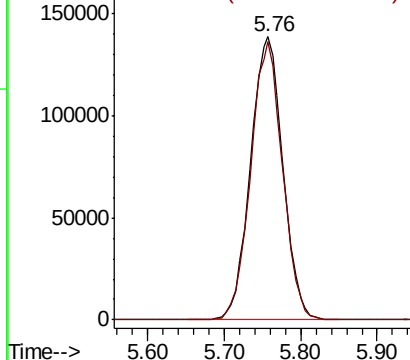


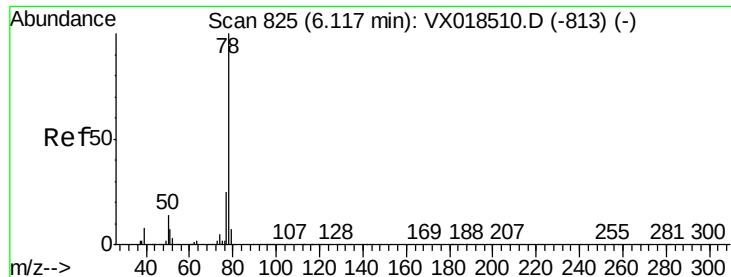
#31
 Carbon tetrachloride
 Concen: 50.917 ug/L
 RT: 5.76 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Tgt Ion	117	Resp	408422
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.5	116.3



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 50.688 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

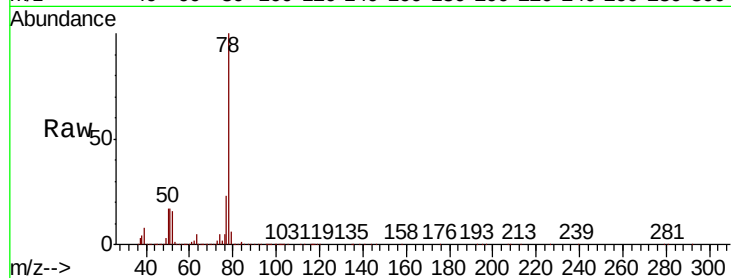
Instrument :

MSVOA_X

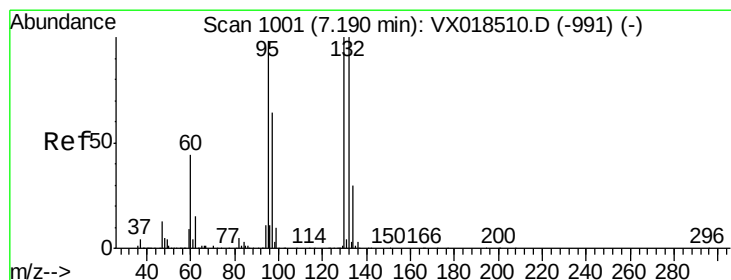
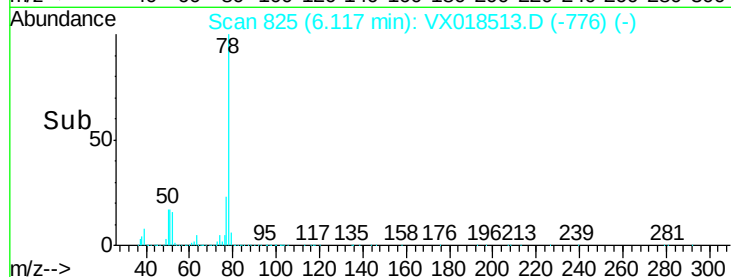
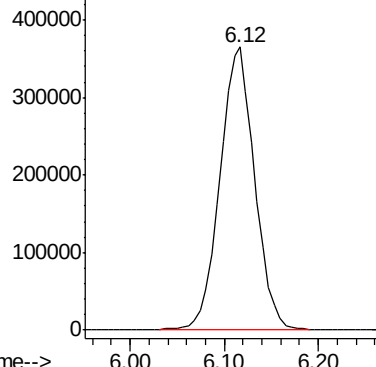
ClientSampleId :

VICV406

Tgt Ion: 78 Resp: 939642



Abundance Ion 78.00 (77.70 to 78.70): VX0



#34

Trichloroethene

Concen: 50.280 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Tgt Ion: 95 Resp: 260076

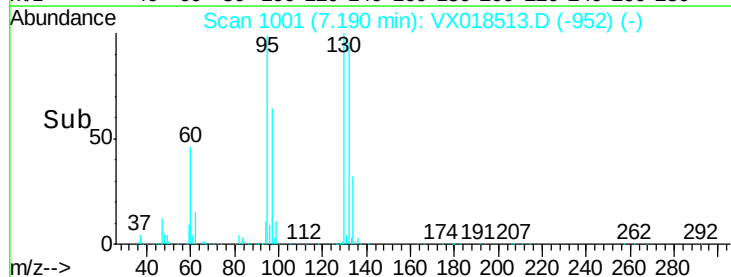
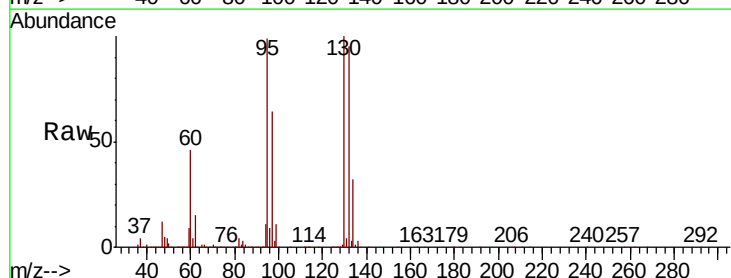
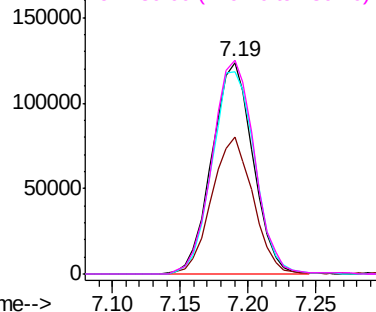
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.0	85.4
132	95.5	71.7	133.1
130	100.9	71.3	132.5

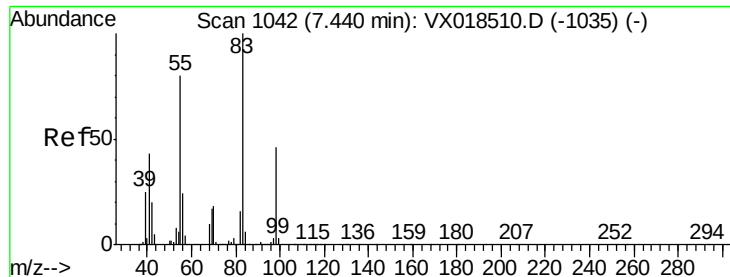
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

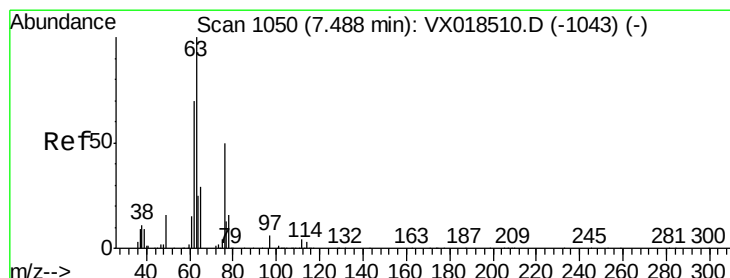
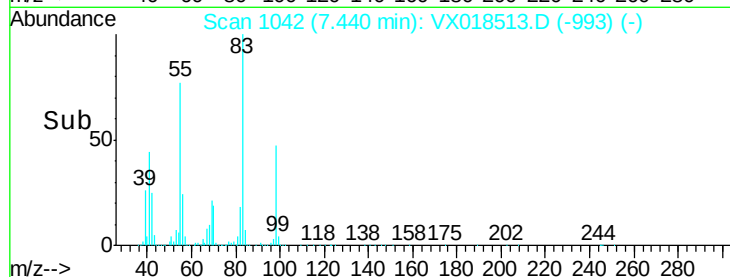
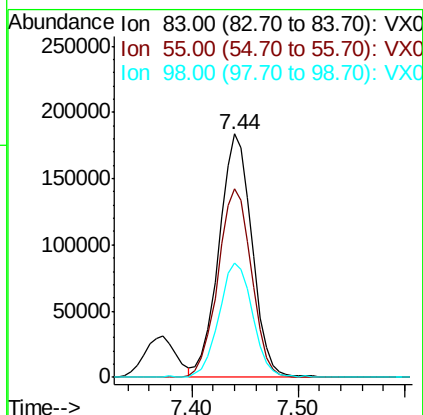
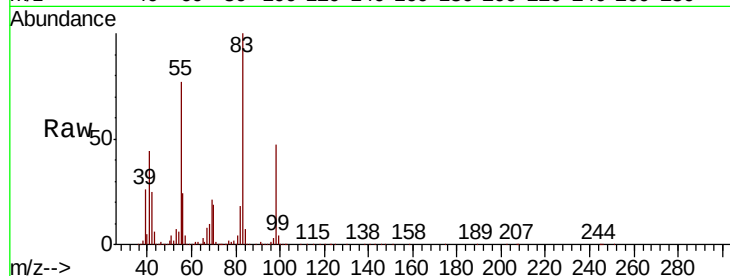




#35
Methylvlcyclohexane
Concen: 52.436 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

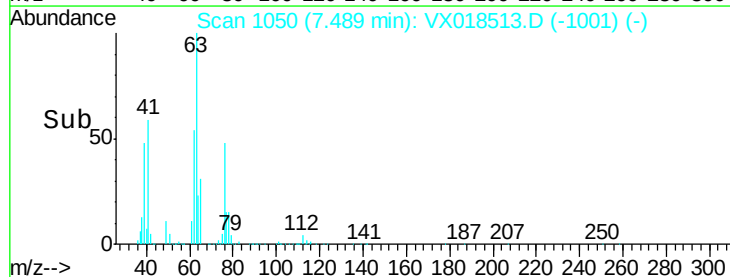
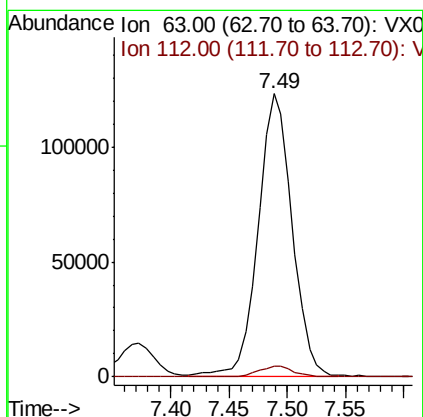
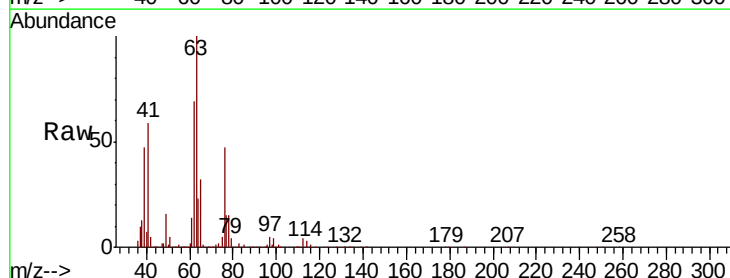
Instrument :
MSVOA_X
ClientSampleId :
VICV406

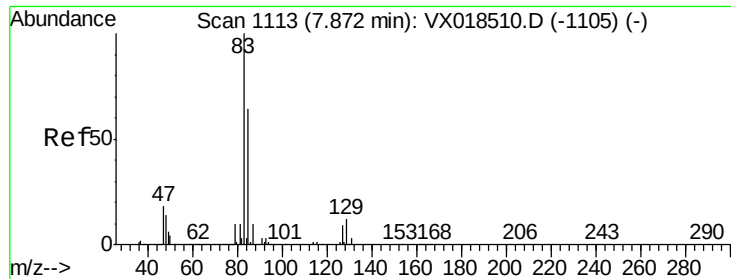
Tot Ion	83	Resp	394160
Ion Ratio	Lower	Upper	
83	100		
55	79.0	61.6	92.4
98	48.0	37.0	55.4



#37
1,2-Dichloropropane
Concen: 51.034 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

Tgt Ion	63	Resp	249675
Ion Ratio	Lower	Upper	
63	100		
112	3.9	3.5	5.3

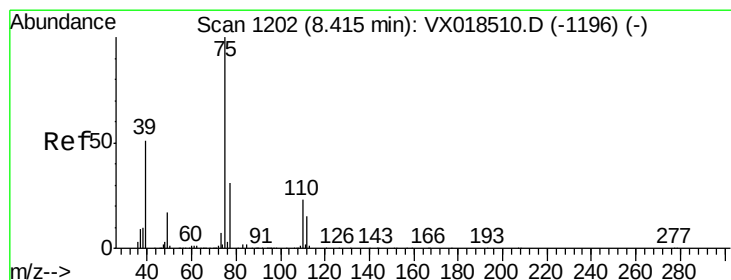
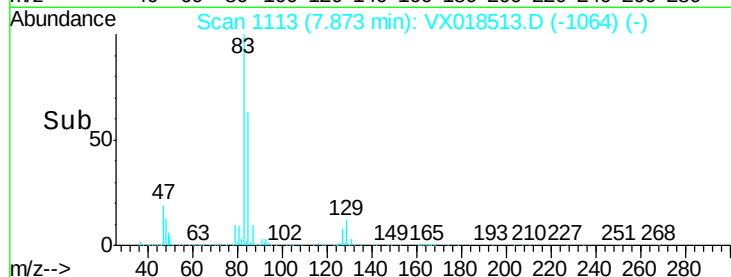
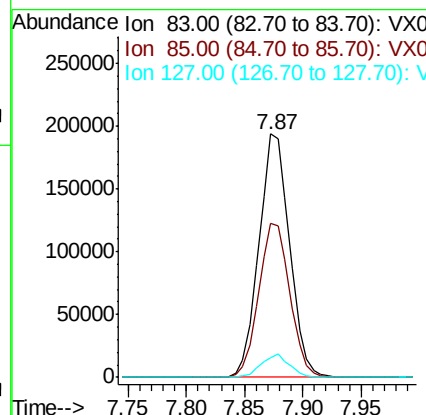
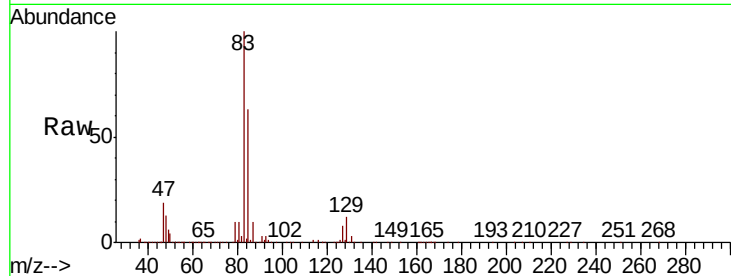




#38
 Bromodichloromethane
 Concen: 50.355 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

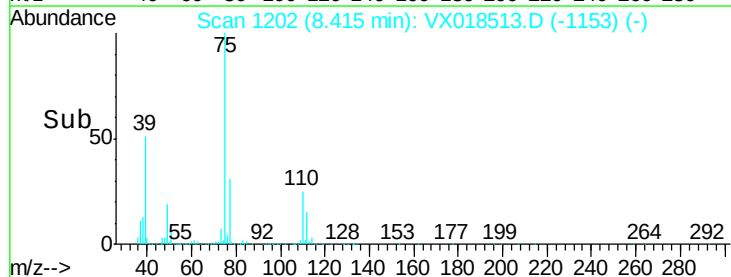
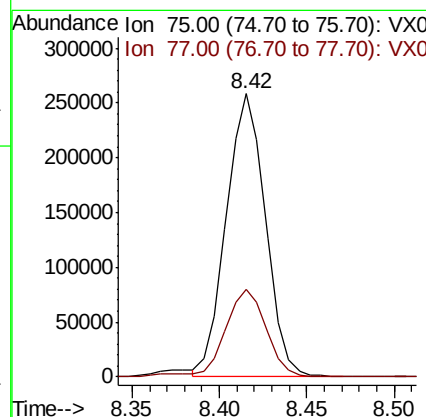
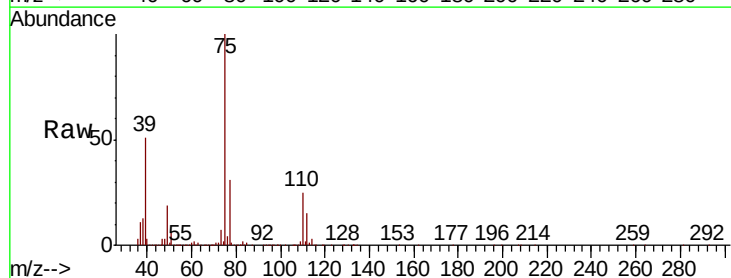
Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

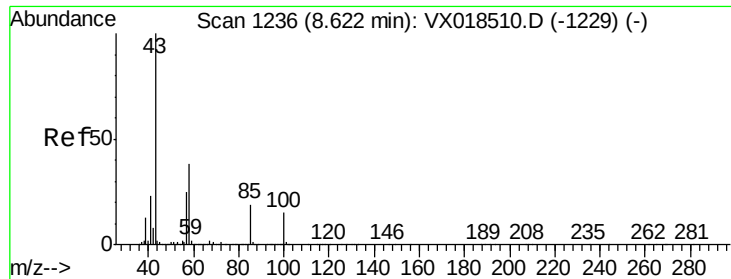
Tot Ion: 83 Resp: 353722
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.0 83.6
 127 8.1 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 50.939 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Tgt Ion: 75 Resp: 402279
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3

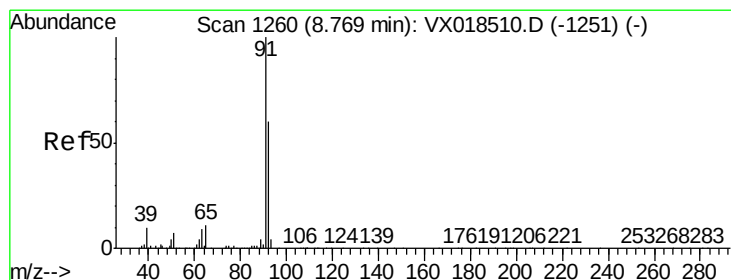
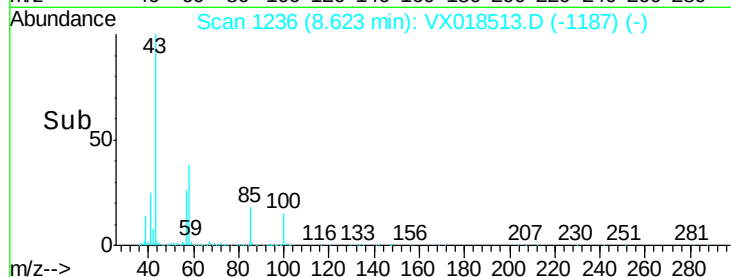
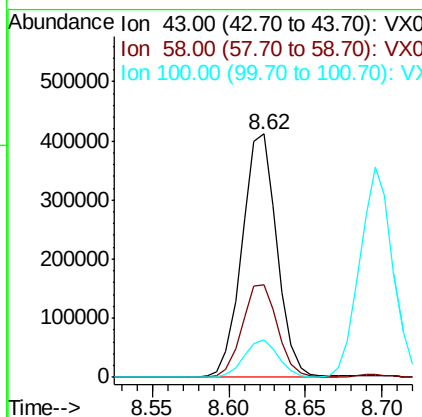
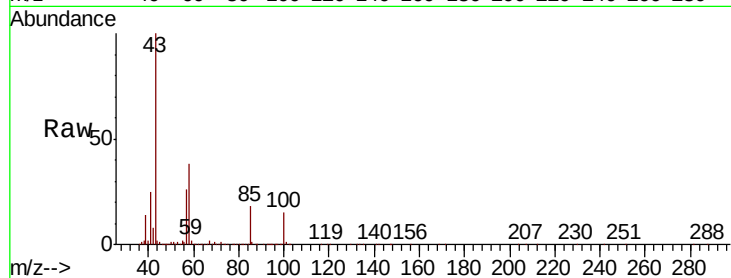




#40
4-Methyl-2-pentanone
Concen: 100.288 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

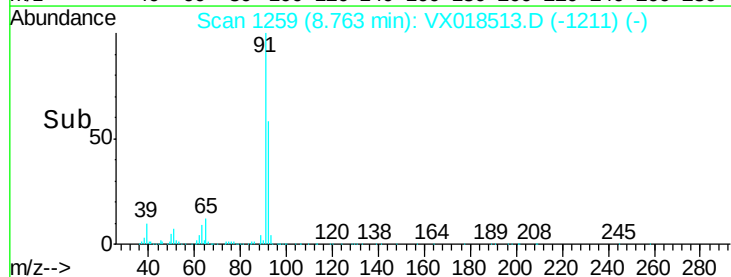
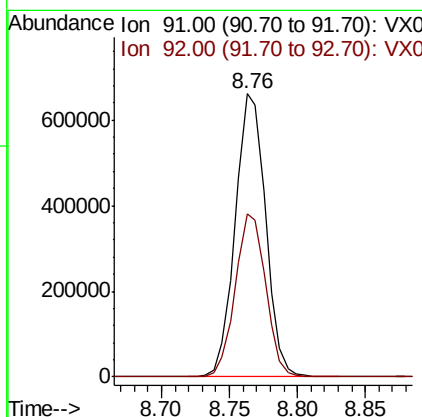
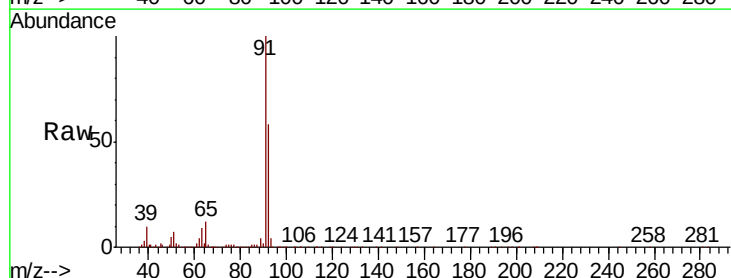
Instrument :
MSVOA_X
ClientSampled :
VICV406

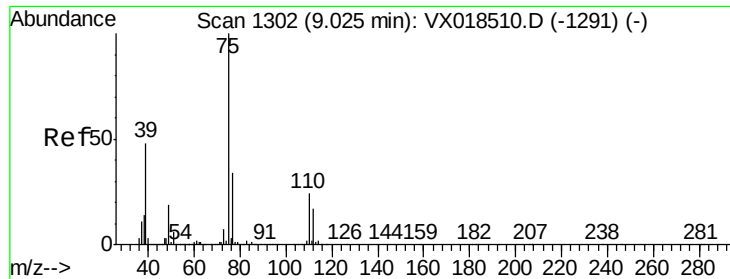
Tot Ion: 43 Resp: 650755
Ion Ratio Lower Upper
43 100
58 38.4 30.6 45.8
100 15.2 12.2 18.2



#42
Toluene
Concen: 51.712 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018513.D
Acq: 21 Sep 2020 14:19

Tgt Ion: 91 Resp: 1029860
Ion Ratio Lower Upper
91 100
92 57.8 41.9 77.7





#44

trans-1,3-Dichloropropene

Concen: 51.993 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

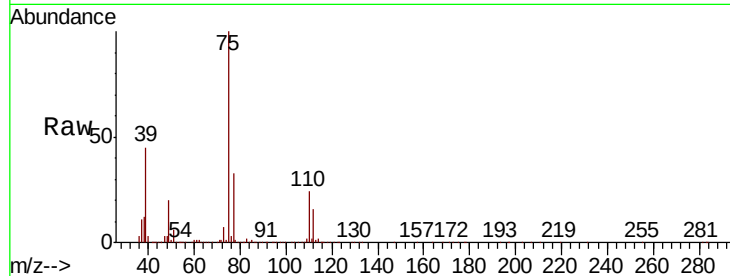
VICV406

Tot Ion: 75 Resp: 417857

Ion Ratio Lower Upper

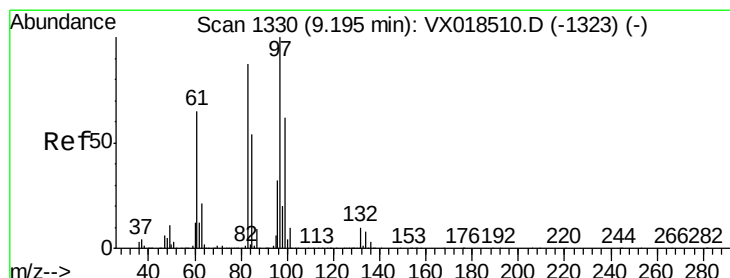
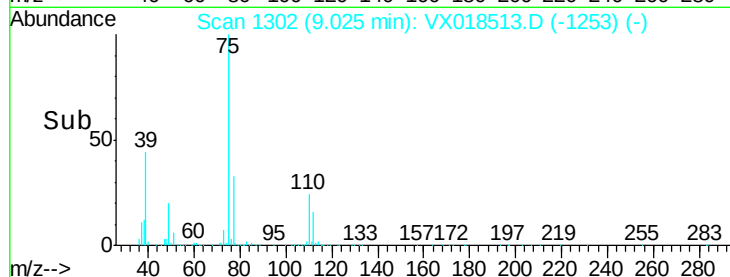
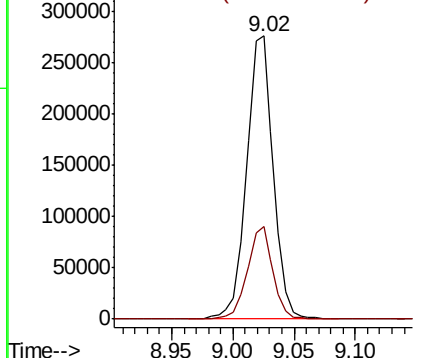
75 100

77 32.9 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#45

1,1,2-Trichloroethane

Concen: 49.290 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Tgt Ion: 97 Resp: 233584

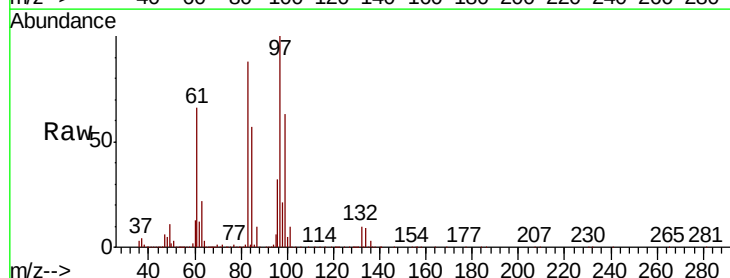
Ion Ratio Lower Upper

97 100

99 63.4 43.5 80.9

83 87.8 60.8 113.0

85 56.9 38.1 70.9

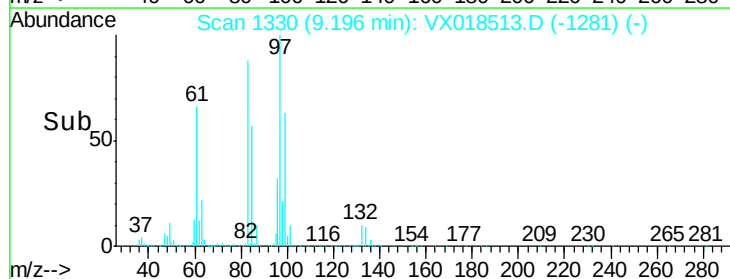
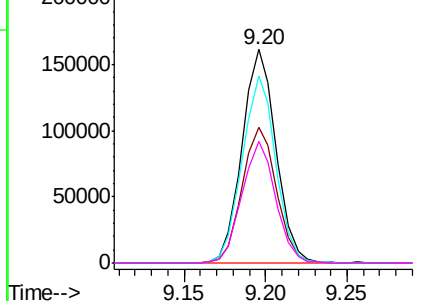


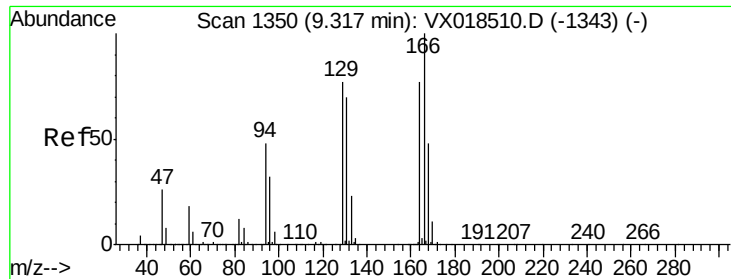
Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#46

Tetrachloroethene

Concen: 51.801 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

Tot Ion:164 Resp: 220508

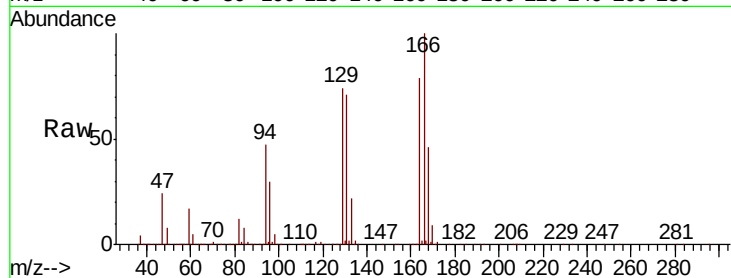
Ion Ratio Lower Upper

164 100

129 93.9 69.7 129.5

131 90.3 63.4 117.8

166 126.4 90.9 168.7

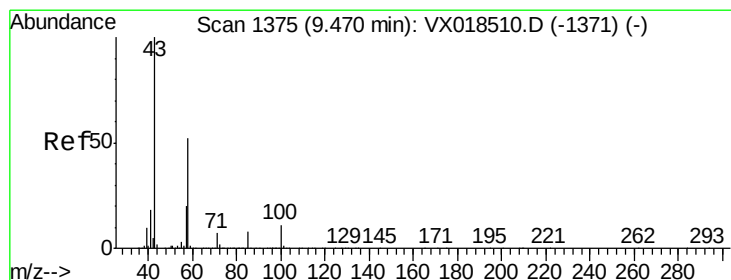
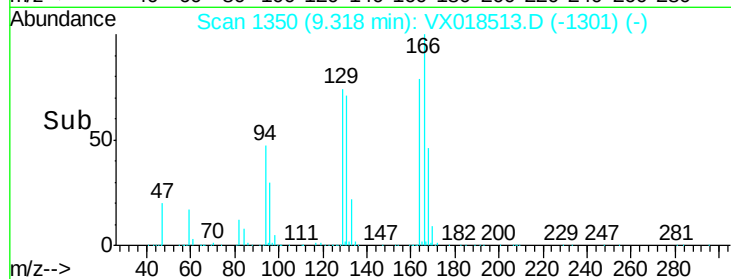
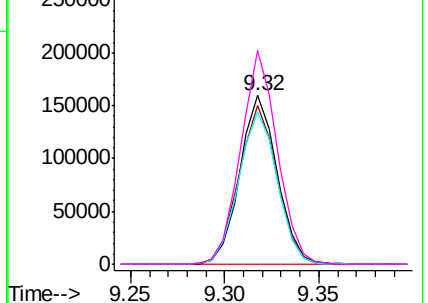


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 104.602 ug/L

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Tgt Ion: 43 Resp: 534625

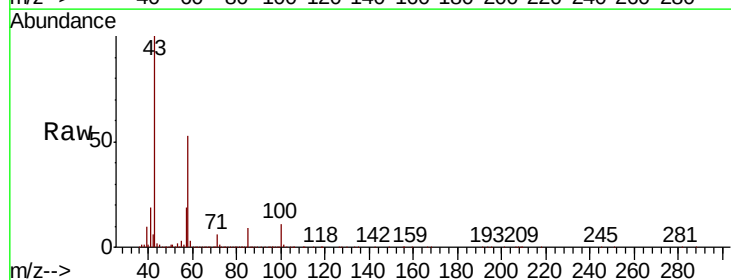
Ion Ratio Lower Upper

43 100

58 52.7 43.0 64.6

57 19.1 15.6 23.4

100 11.3 9.4 14.2

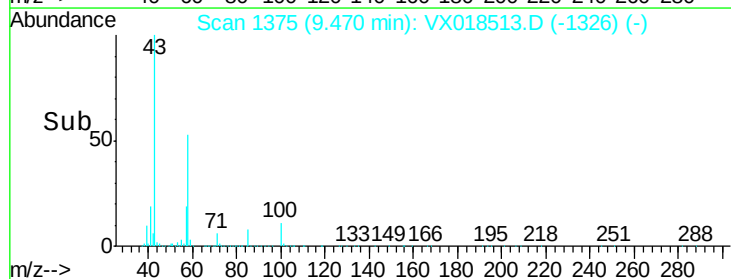
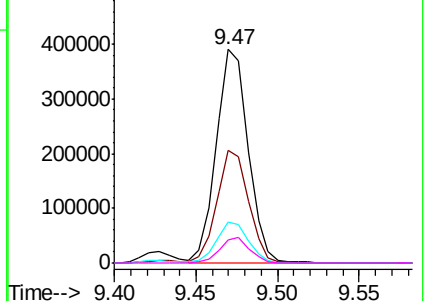


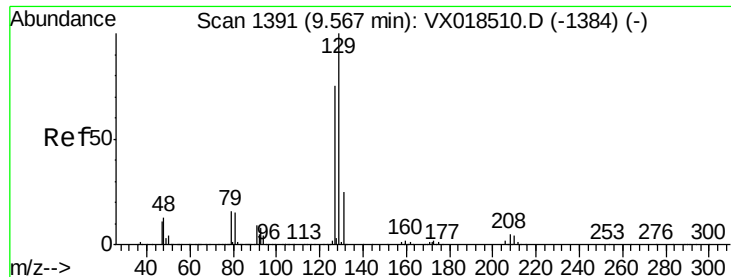
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#49

Dibromochloromethane

Concen: 49.934 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

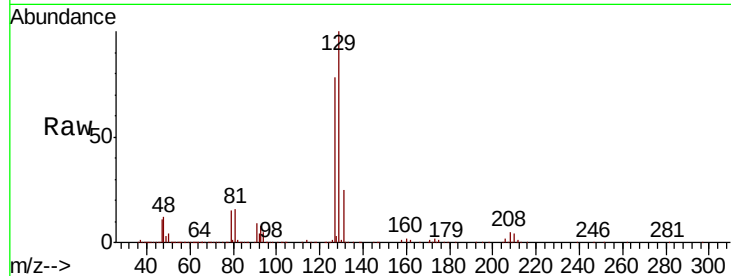
VICV406

Tot Ion:129 Resp: 298179

Ion Ratio Lower Upper

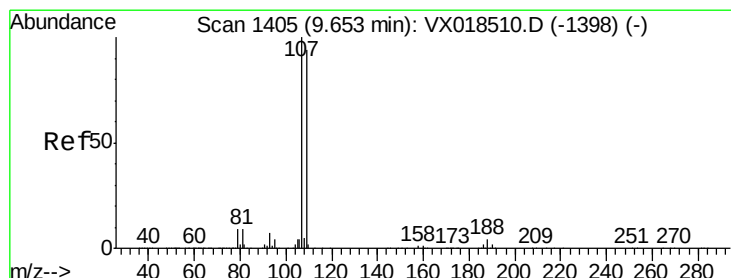
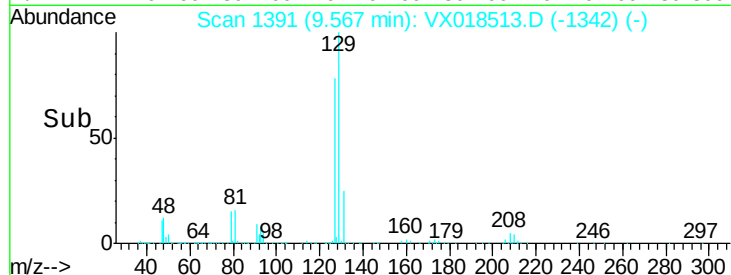
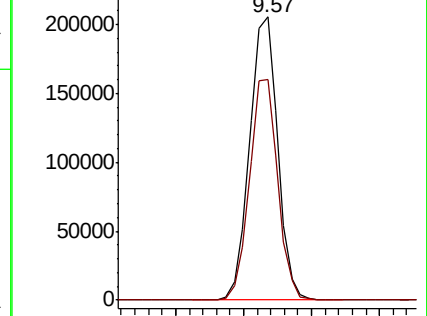
129 100

127 77.9 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 51.097 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

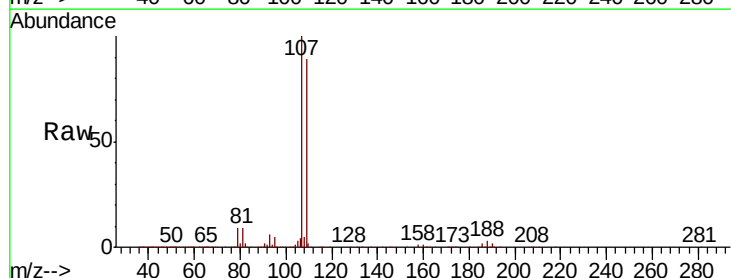
Tgt Ion:107 Resp: 266320

Ion Ratio Lower Upper

107 100

109 88.8 65.7 121.9

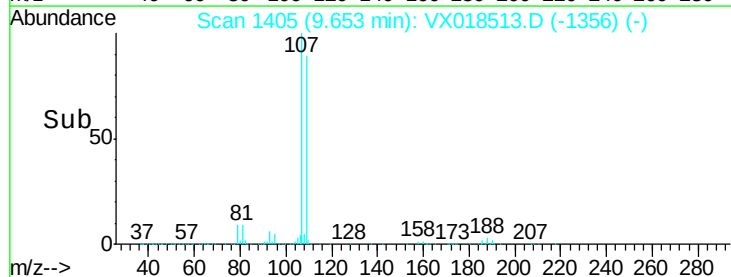
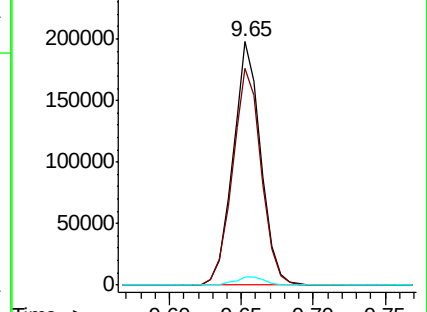
188 3.5 3.0 4.4

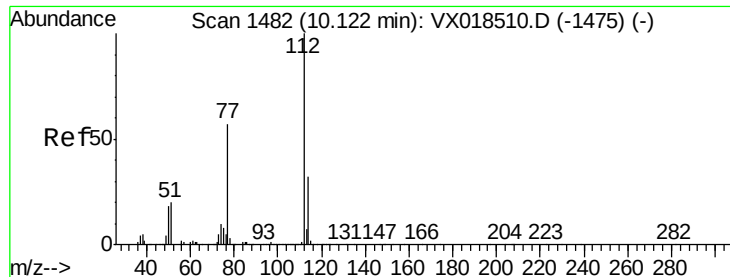


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 50.592 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

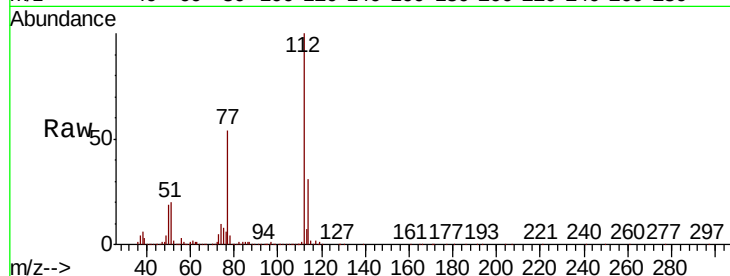
Tot Ion:112 Resp: 676721

Ion Ratio Lower Upper

112 100

114 30.6 22.2 41.2

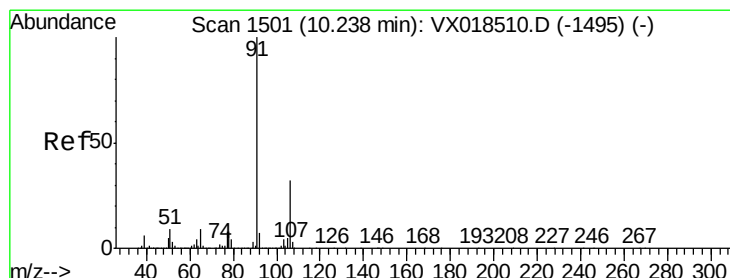
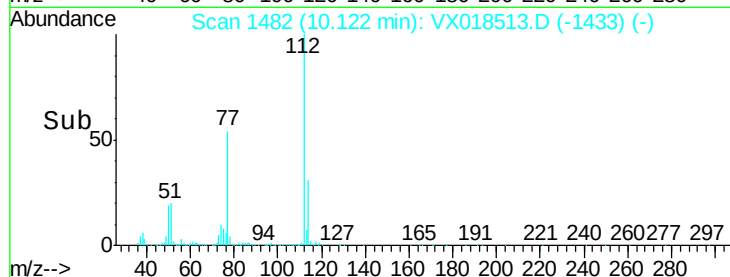
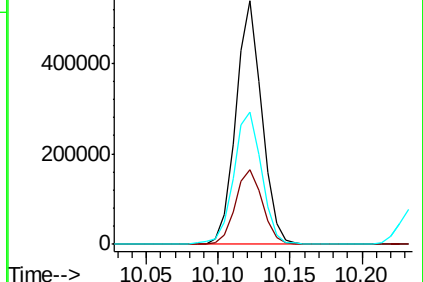
77 54.3 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 52.235 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018513.D

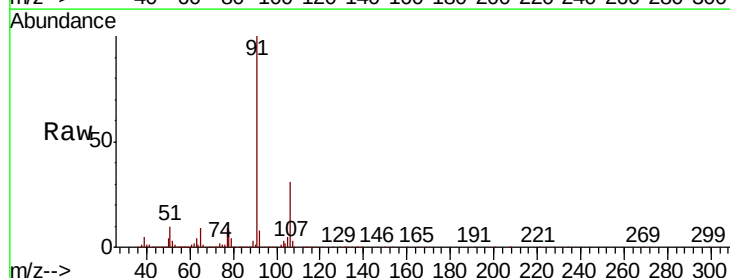
Acq: 21 Sep 2020 14:19

Tgt Ion: 91 Resp: 1158823

Ion Ratio Lower Upper

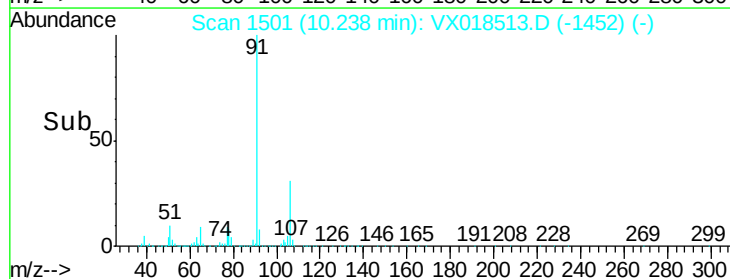
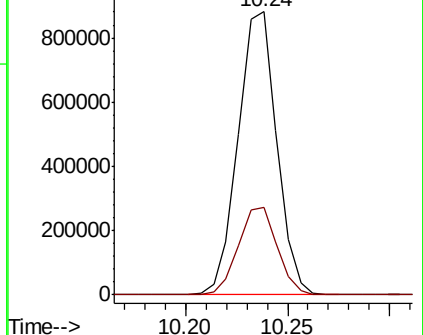
91 100

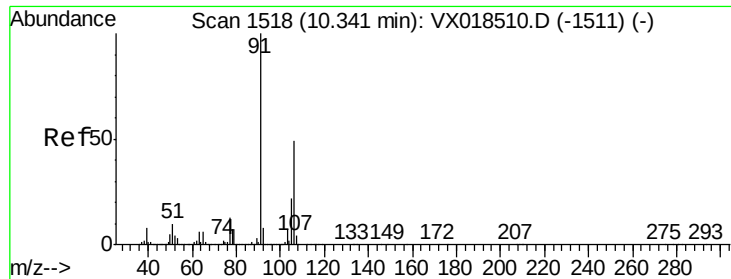
106 30.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 52.214 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

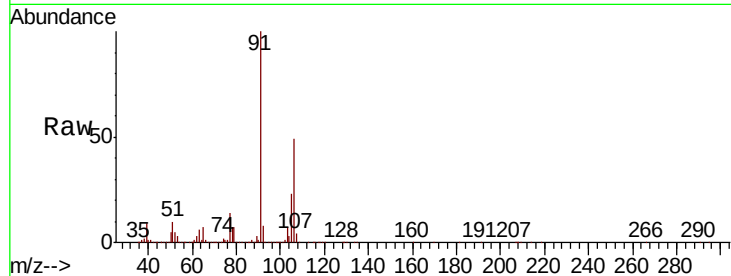
VICV406

Tot Ion:106 Resp: 441200

Ion Ratio Lower Upper

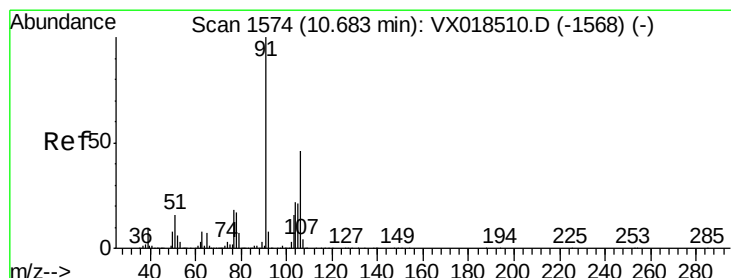
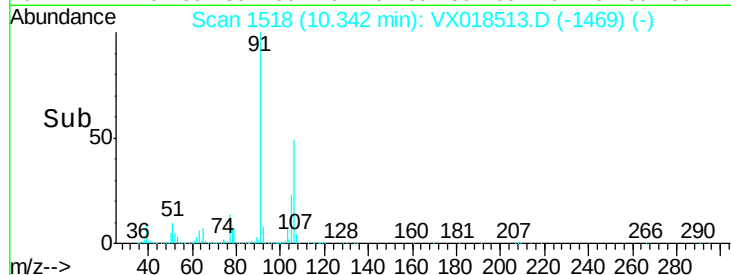
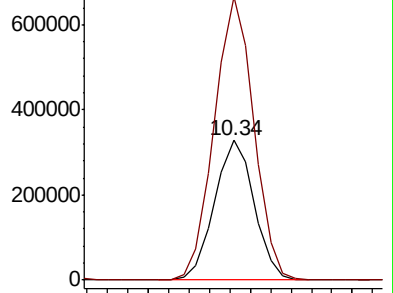
106 100

91 202.6 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#54

o-Xylene

Concen: 51.739 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018513.D

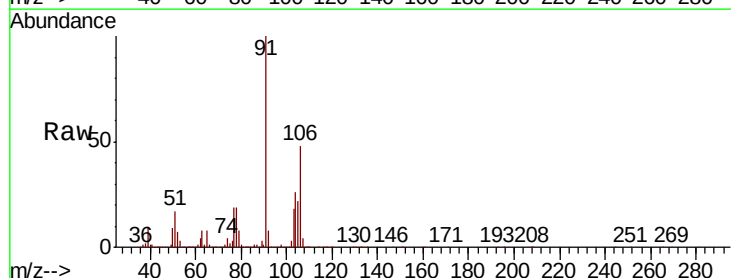
Acq: 21 Sep 2020 14:19

Tgt Ion:106 Resp: 421073

Ion Ratio Lower Upper

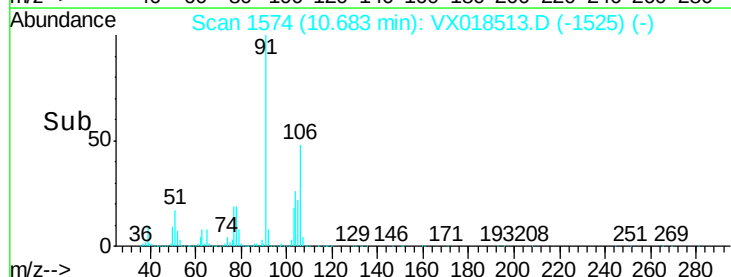
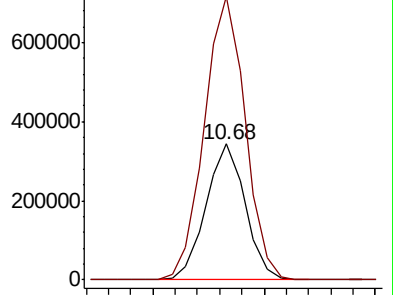
106 100

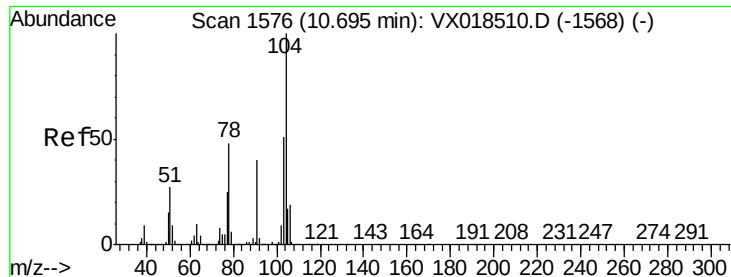
91 208.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#55

Stvrene

Concen: 52.962 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

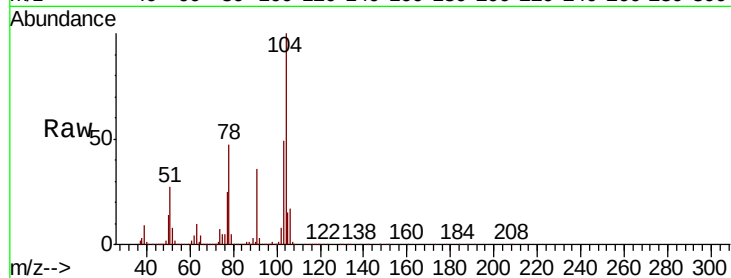
VICV406

Tot Ion:104 Resp: 742076

Ion Ratio Lower Upper

104 100

78 46.9 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

10.70

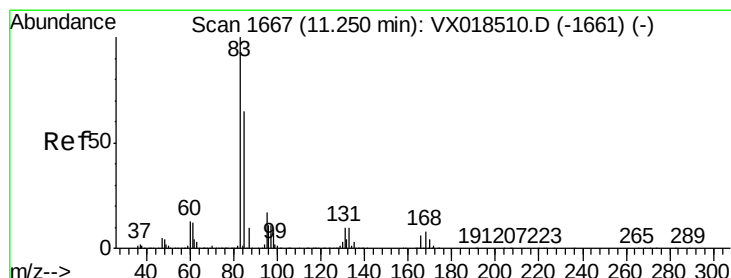
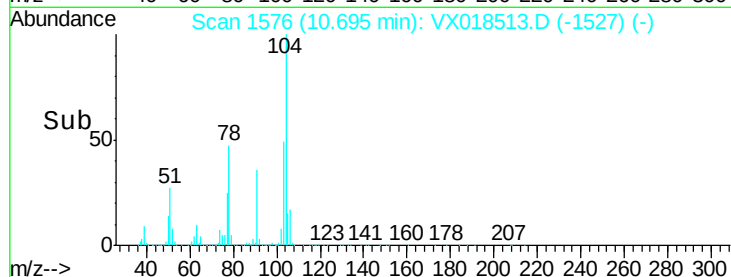
600000

400000

200000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 49.634 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

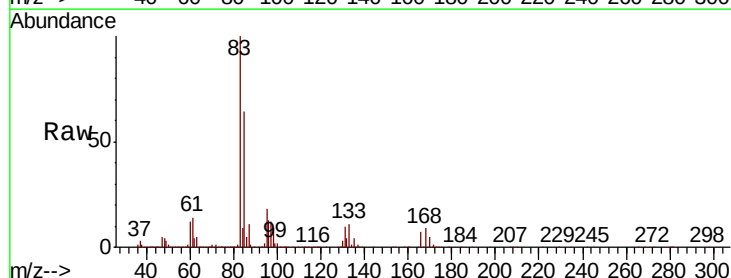
Tgt Ion: 83 Resp: 359941

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.8

131 10.3 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 131.00 (130.70 to 131.70): V

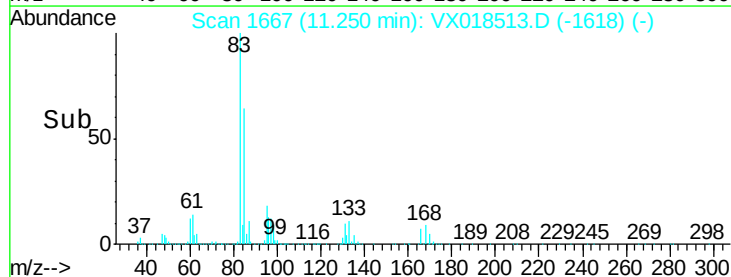
300000

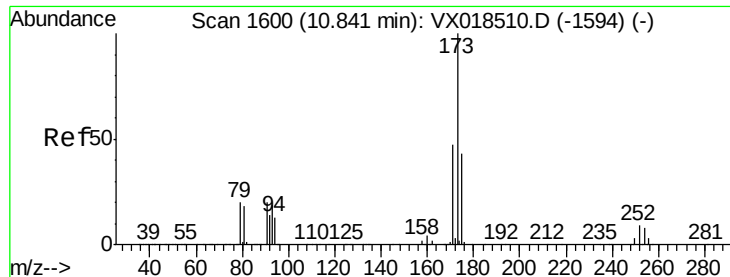
200000

100000

0

Time-->





#59

Bromoform

Concen: 46.770 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

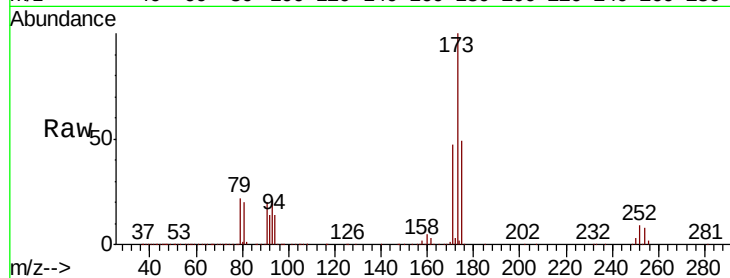
Tot Ion:173 Resp: 223638

Ion Ratio Lower Upper

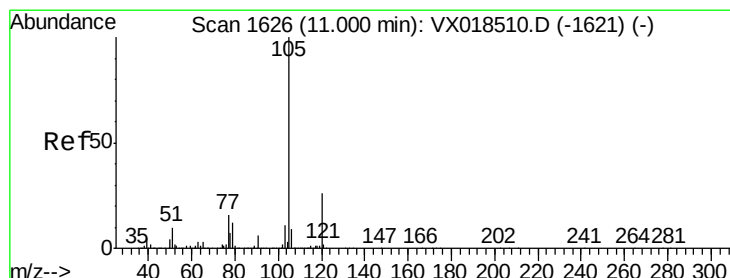
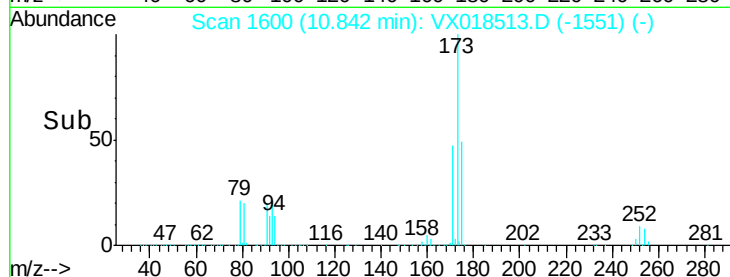
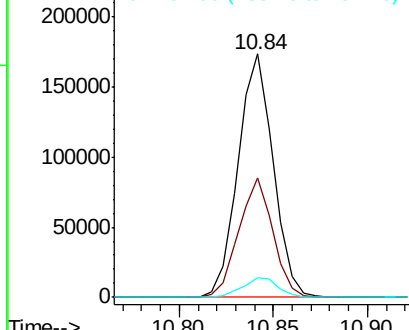
173 100

175 47.8 37.7 56.5

254 8.3 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 49.682 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

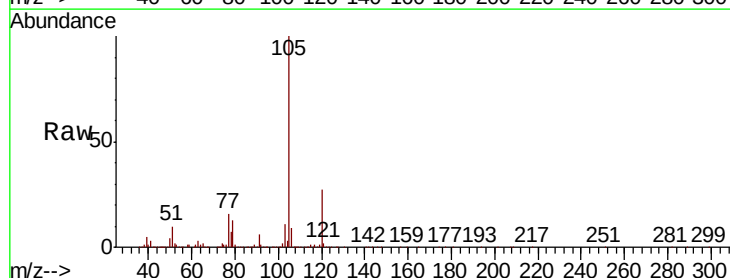
Tgt Ion:105 Resp: 1152687

Ion Ratio Lower Upper

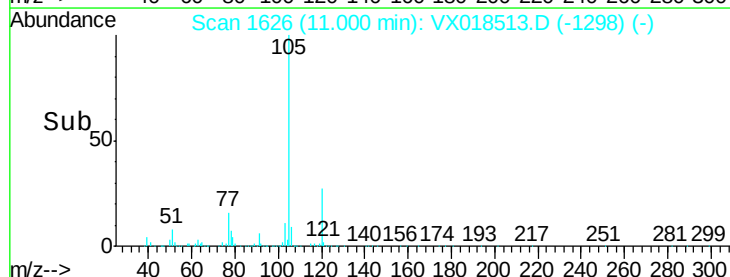
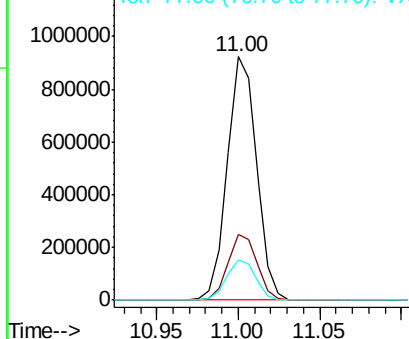
105 100

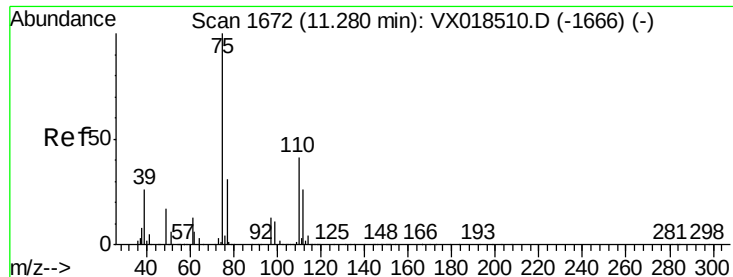
120 26.8 21.8 32.8

77 16.3 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 45.149 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

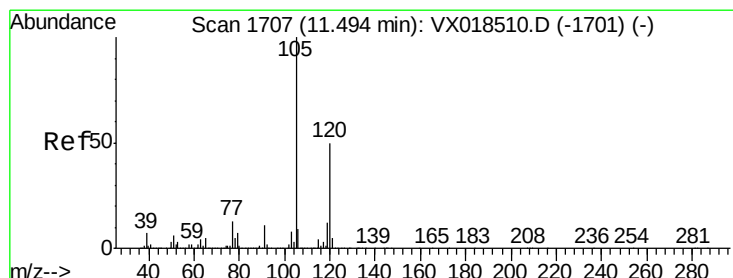
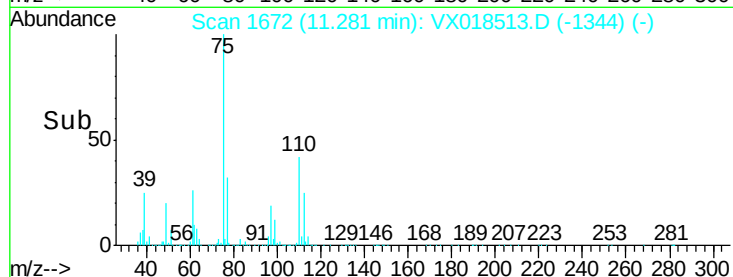
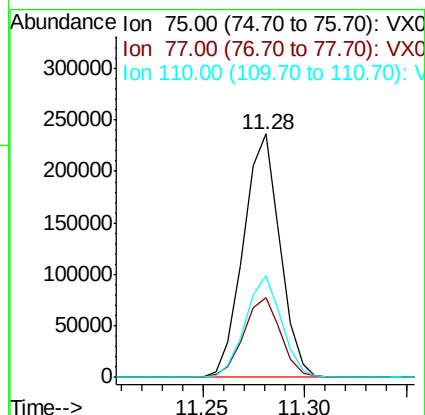
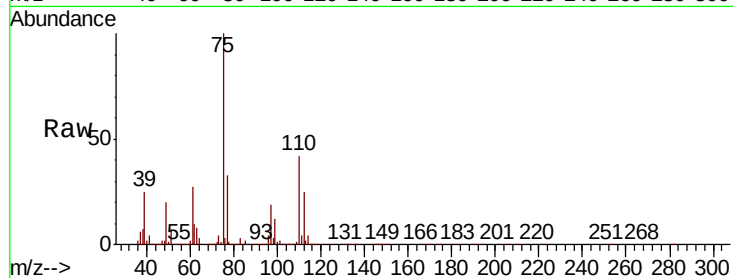
Tot Ion: 75 Resp: 295373

Ion Ratio Lower Upper

75 100

77 33.0 26.0 39.0

110 41.3 32.4 48.6



#62

1,3,5-Trimethylbenzene

Concen: 51.944 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018513.D

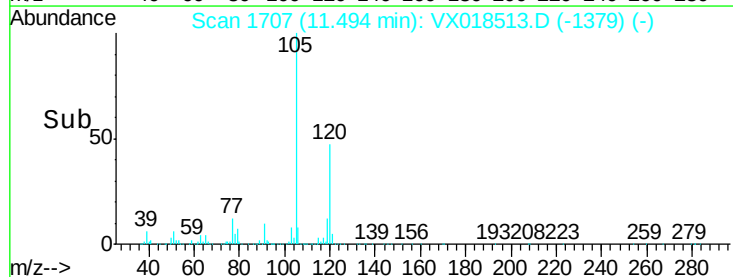
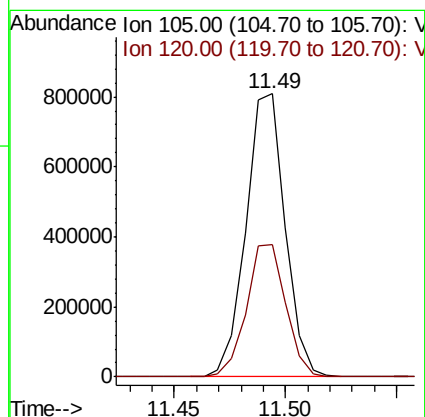
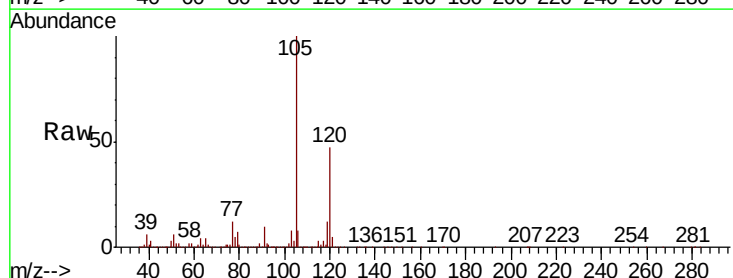
Acq: 21 Sep 2020 14:19

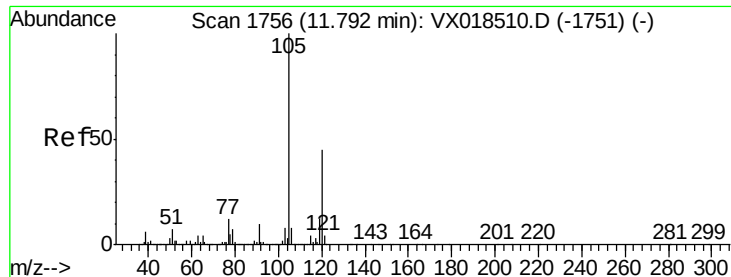
Tgt Ion:105 Resp: 994951

Ion Ratio Lower Upper

105 100

120 46.8 38.6 58.0

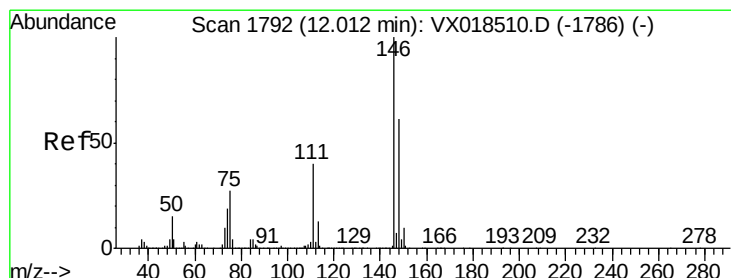
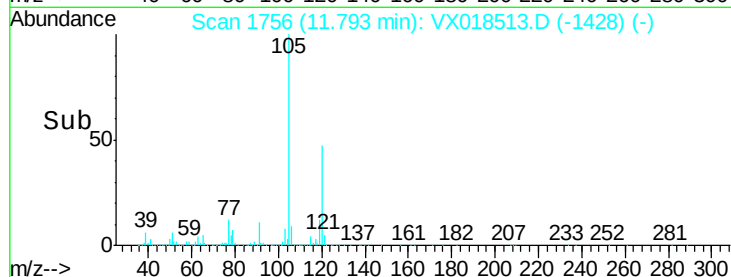
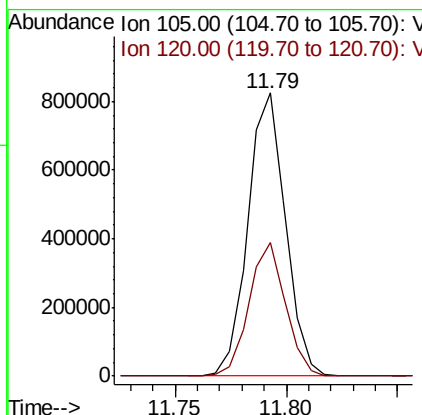
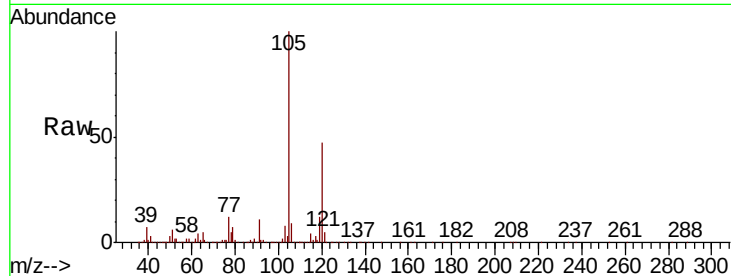




#63
 1,2,4-Trimethylbenzene
 Concen: 49.798 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

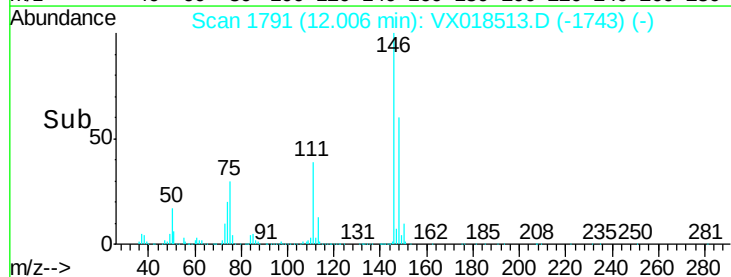
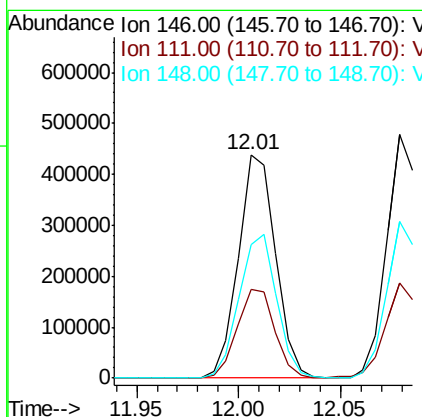
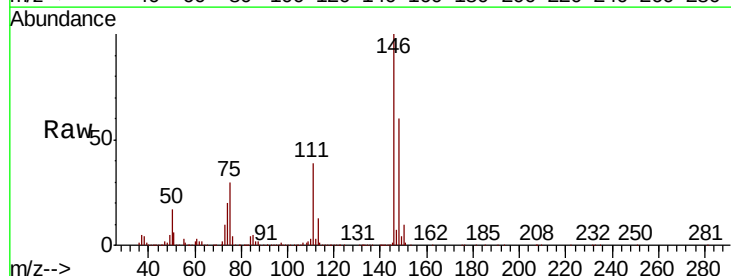
Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

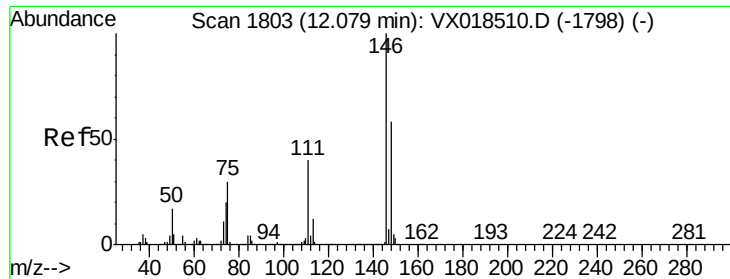
Tot Ion:105 Resp: 971585
 Ion Ratio Lower Upper
 105 100
 120 45.8 35.8 53.8



#64
 1,3-Dichlorobenzene
 Concen: 48.530 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Tgt Ion:146 Resp: 556136
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.8 51.6
 148 59.7 42.6 79.2

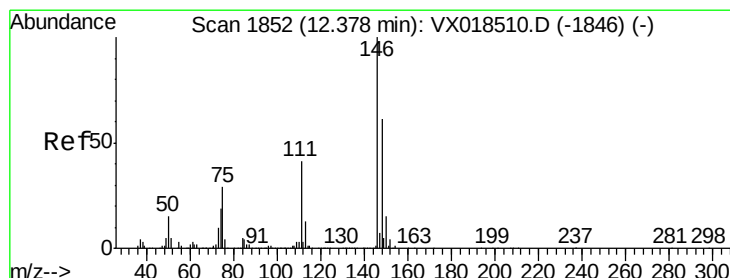
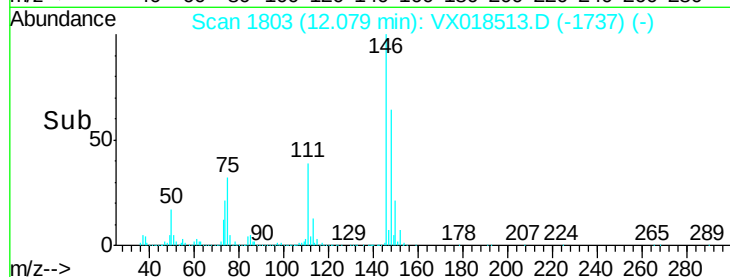
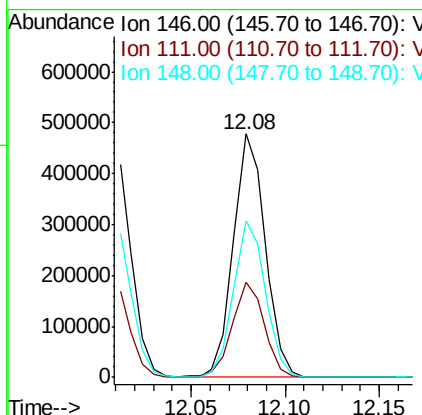
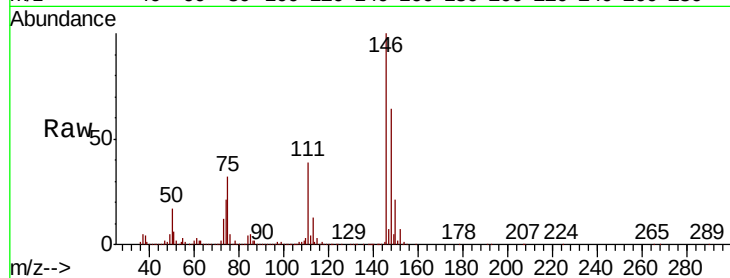




#65
 1,4-Dichlorobenzene
 Concen: 48.509 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

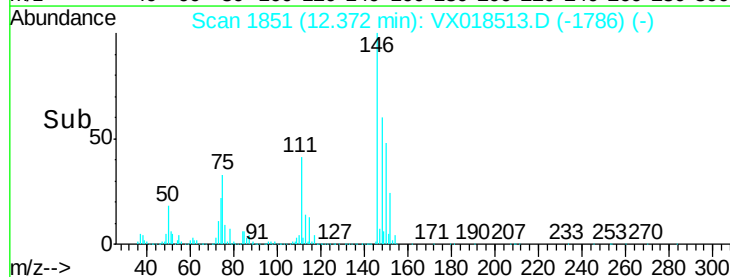
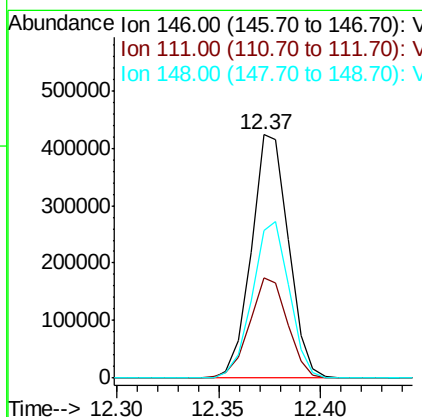
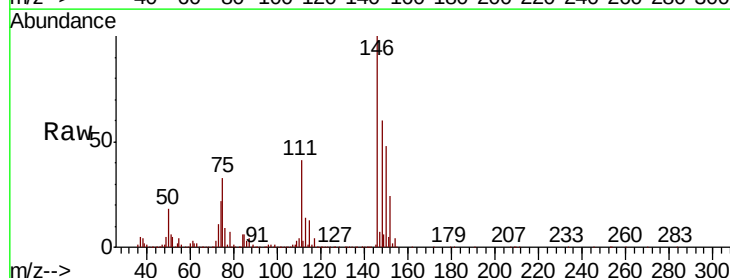
Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

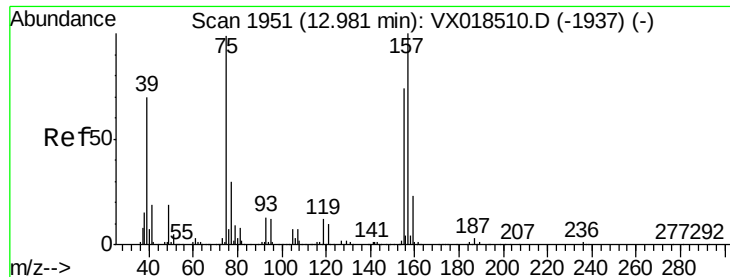
Tot Ion:146 Resp: 561425
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.9 51.7
 148 64.1 40.5 75.3



#67
 1,2-Dichlorobenzene
 Concen: 48.769 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Tgt Ion:146 Resp: 538131
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.1 49.7
 148 60.4 48.4 72.6





#68

1,2-Dibromo-3-chloropropane

Concen: 47.347 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

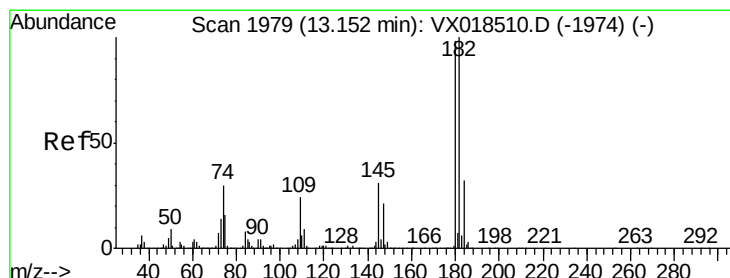
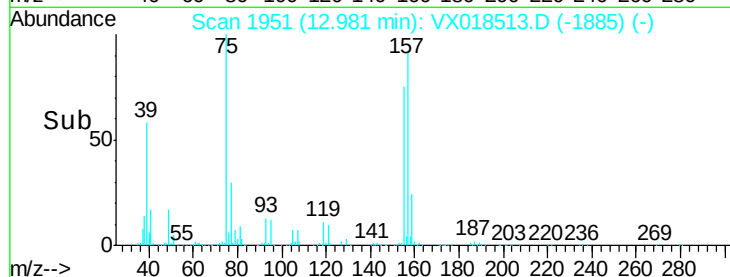
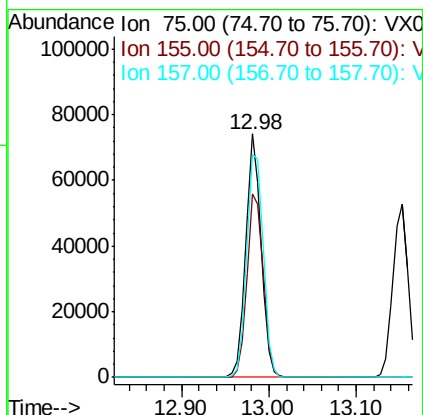
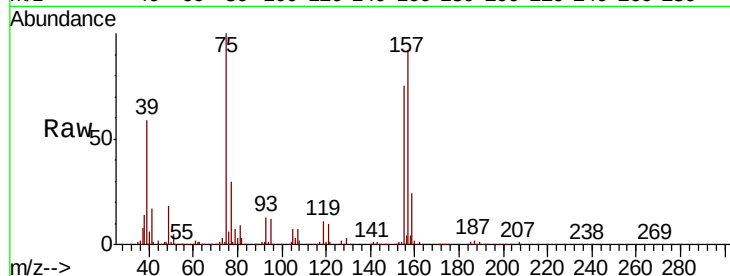
Tot Ion: 75 Resp: 90859

Ion Ratio Lower Upper

75 100

155 75.2 59.4 89.0

157 91.6 80.7 121.1



#69

1,3,5-Trichlorobenzene

Concen: 53.021 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Tgt Ion: 180 Resp: 403045

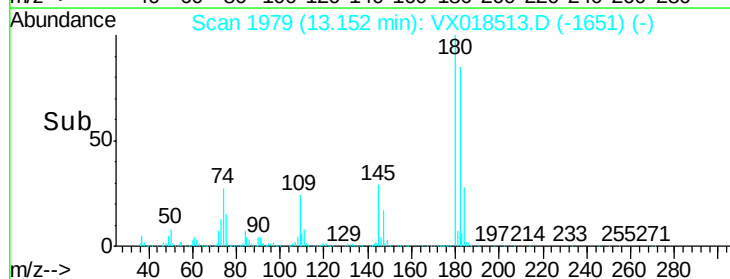
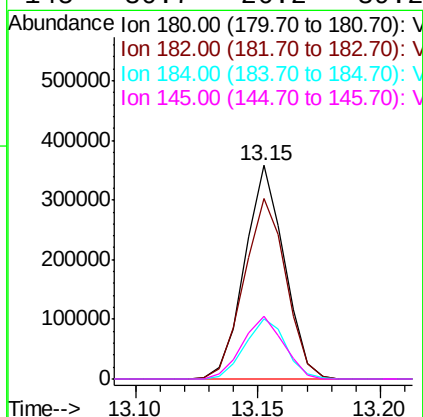
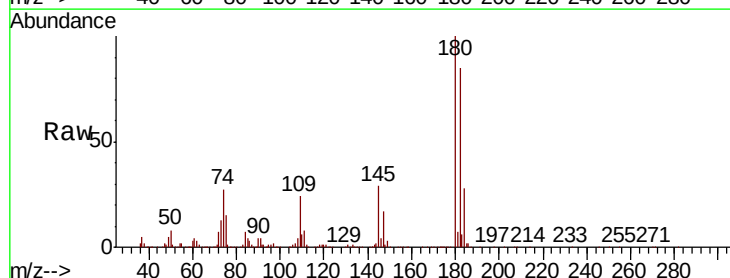
Ion Ratio Lower Upper

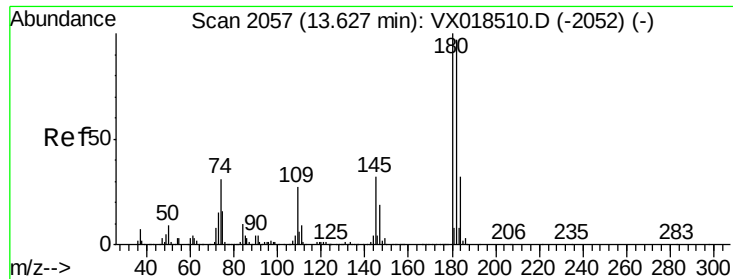
180 100

182 89.9 82.5 123.7

184 29.3 25.4 38.2

145 30.7 26.2 39.2





#70

1,2,4-trichlorobenzene

Concen: 50.545 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

VICV406

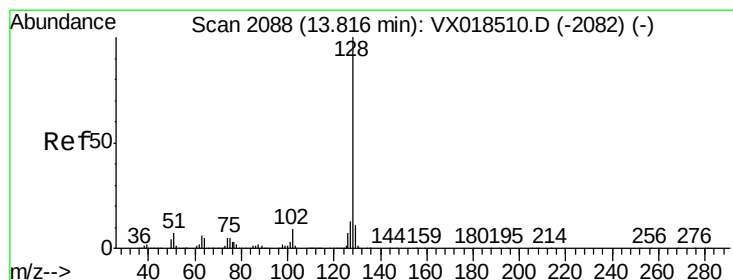
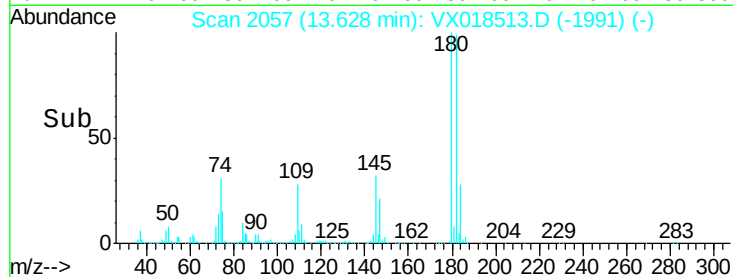
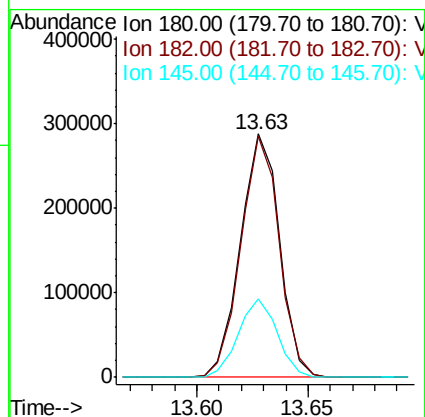
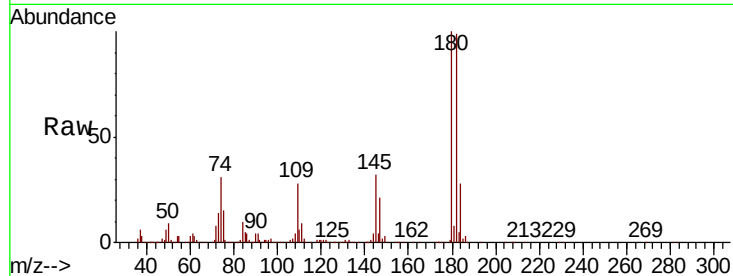
Tot Ion:180 Resp: 352675

Ion Ratio Lower Upper

180 100

182 97.2 78.6 118.0

145 32.2 27.0 40.4



#71

Naphthalene

Concen: 50.719 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018513.D

Acq: 21 Sep 2020 14:19

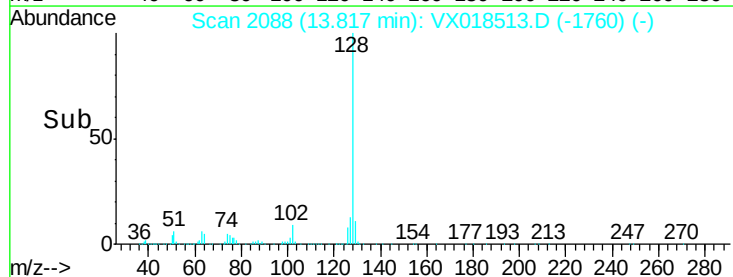
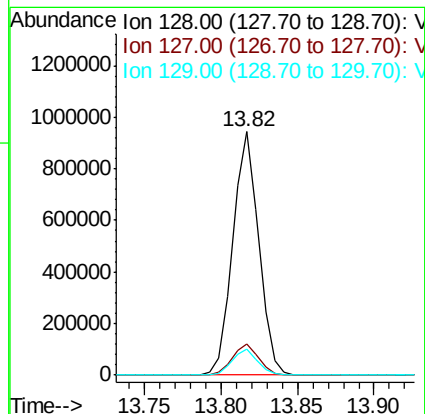
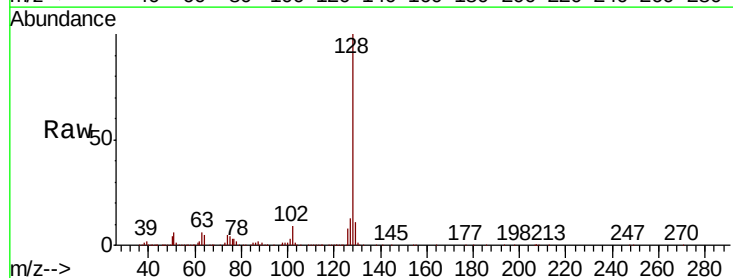
Tgt Ion:128 Resp: 1104570

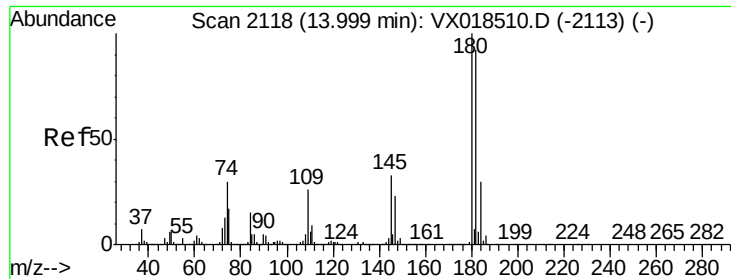
Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.8 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 48.974 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018513.D
 Acq: 21 Sep 2020 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VICV406

Tot Ion:	180	Resp:	342497
Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.6	114.8
145	34.6	27.1	40.7

