

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092220\
 Data File : VX018539.D
 Acq On : 23 Sep 2020 15:48
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Quant Time: Sep 24 00:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 24 00:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	279495	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	275756	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	143194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75601	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.70	69	61462	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.34	63	172807	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.56	46	188708	52.74	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.48%
24) Chloroform-d	5.14	84	171732	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	6.03	65	92378	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	6.04	84	320270	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	7.37	67	94537	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	8.70	98	315797	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.99	79	42323	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	9.43	63	157926	53.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.32%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	73874	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
66) 1,2-Dichlorobenzene-d4	12.36	152	112859	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	83392	5.116	ug/L	96
3) Chloromethane	1.31	50	72561	5.208	ug/L	99
5) Vinyl chloride	1.39	62	72959	5.066	ug/L	98
6) Bromomethane	1.64	94	44041	5.057	ug/L	98
8) Chloroethane	1.72	64	41084	5.091	ug/L	98
9) Trichlorofluoromethane	1.92	101	126392	5.299	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	72808	5.340	ug/L	98
12) 1,1-Dichloroethene	2.36	96	66613	5.260	ug/L	98
13) Acetone	2.45	43	101942	50.924	ug/L	98
14) Carbon disulfide	2.55	76	200674	4.976	ug/L	96
15) Methyl Acetate	2.76	43	26368	5.266	ug/L #	91
16) Methylene chloride	2.83	84	76841	4.509	ug/L	92
17) Methyl tert-butyl Ether	3.17	73	146735	5.133	ug/L	98
18) trans-1,2-Dichloroethene	3.14	96	66253	5.055	ug/L	90
19) 1,1-Dichloroethane	3.67	63	122365	5.228	ug/L	99
21) 2-Butanone	4.67	43	160928	54.694	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	67946	5.021	ug/L	99

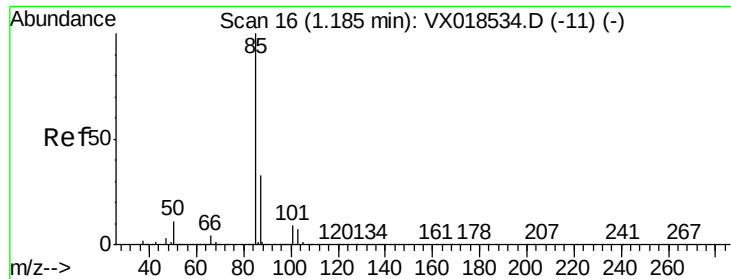
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092220\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 24 00:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	32904	4.950	ug/L #	91
25) Chloroform	5.17	83	130378	5.095	ug/L	95
27) 1,2-Dichloroethane	6.16	62	81835	5.035	ug/L	100
29) 1,1,1-Trichloroethane	5.46	97	123057	4.955	ug/L	98
30) Cyclohexane	5.55	56	99933	4.894	ug/L	98
31) Carbon tetrachloride	5.75	117	110749	4.993	ug/L	98
33) Benzene	6.11	78	258841	5.111	ug/L	100
34) Trichloroethene	7.18	95	73620	5.131	ug/L	95
35) Methylcyclohexane	7.43	83	104345	5.155	ug/L	98
37) 1,2-Dichloropropane	7.49	63	67090	5.143	ug/L	99
38) Bromodichloromethane	7.87	83	89185	4.919	ug/L	94
39) cis-1,3-Dichloropropene	8.42	75	95005	4.953	ug/L	90
40) 4-Methyl-2-pentanone	8.62	43	387521	53.520	ug/L	100
42) Toluene	8.76	91	284191	5.234	ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	87739	5.072	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	47544	5.070	ug/L	95
47) Tetrachloroethene	9.32	164	60644	5.089	ug/L	86
48) 2-Hexanone	9.48	43	290292	54.847	ug/L	99
49) Dibromochloromethane	9.56	129	63430	5.113	ug/L	99
50) 1,2-Dibromoethane	9.65	107	45497	5.095	ug/L	98
51) Chlorobenzene	10.12	112	182590	5.092	ug/L	97
52) Ethylbenzene	10.23	91	308068	5.279	ug/L	92
53) m,p-xylene	10.34	106	116485	5.209	ug/L	97
54) o-xylene	10.68	106	111282	5.349	ug/L	94
55) Styrene	10.70	104	191153	5.388	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	55814	5.239	ug/L	98
59) Bromoform	10.84	173	35603	4.642	ug/L	98
60) Isopropylbenzene	11.00	105	299200	5.121	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	41893	4.794	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	242652	5.117	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	248735	5.163	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	150200	5.037	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	148423	4.882	ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	140397	5.040	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	10280	4.277	ug/L	86
69) 1,3,5-Trichlorobenzene	13.15	180	104444	4.766	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	88023	4.838	ug/L	96
71) Naphthalene	13.82	128	148788	4.921	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	83034	5.047	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.116 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampled :

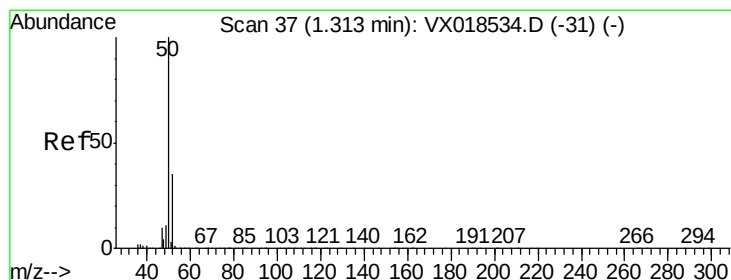
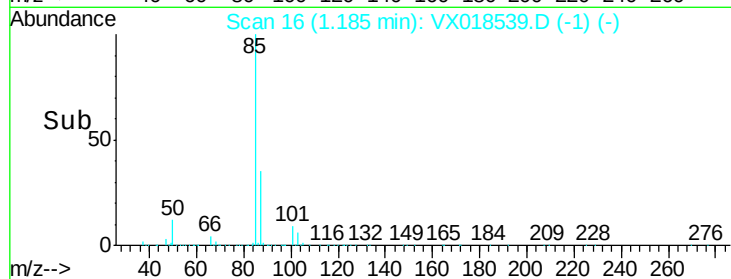
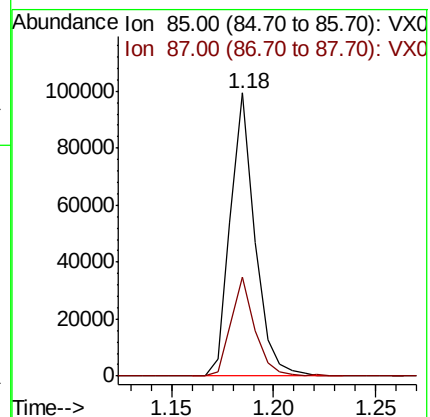
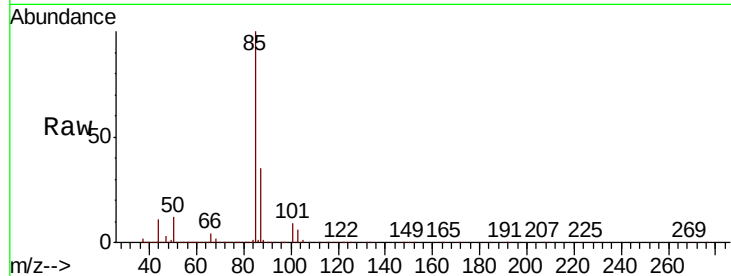
VSTD005309

Tot Ion: 85 Resp: 83392

Ion Ratio Lower Upper

85 100

87 34.5 25.8 38.8



#3

Chloromethane

Concen: 5.208 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018539.D

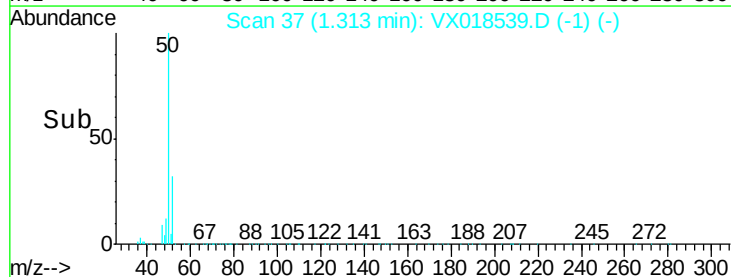
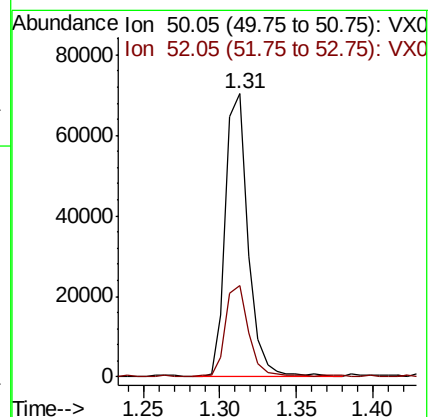
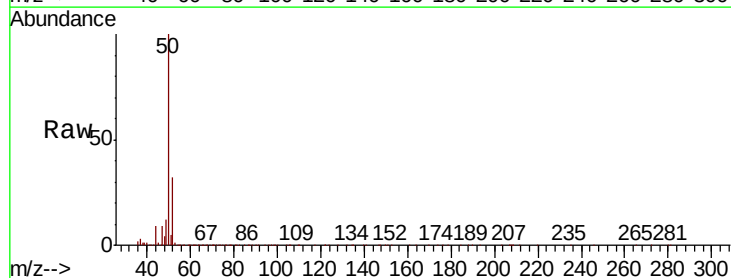
Acq: 23 Sep 2020 15:48

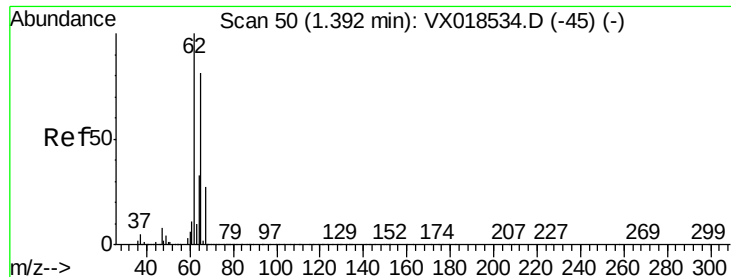
Tgt Ion: 50 Resp: 72561

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9





#5

Vinyl chloride

Concen: 5.066 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

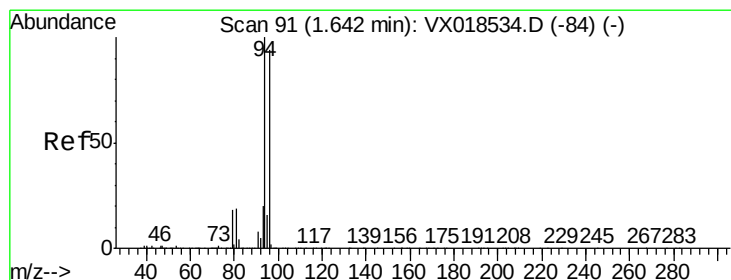
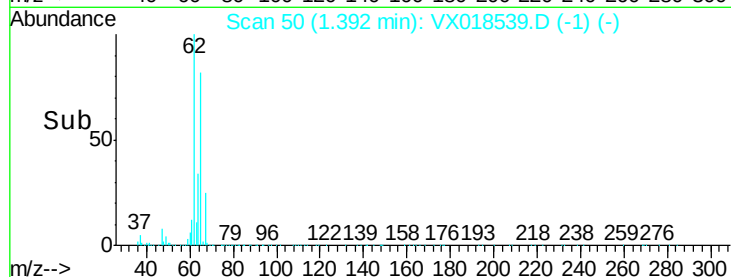
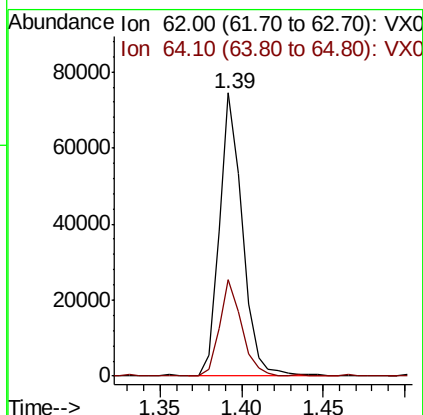
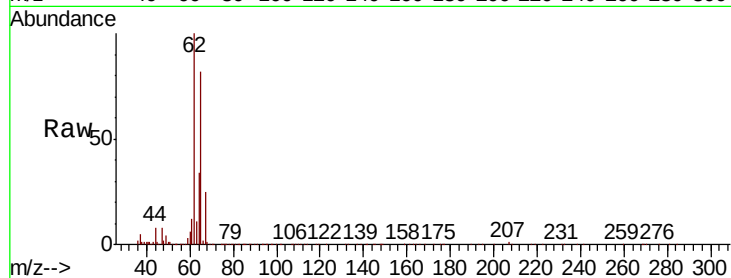
VSTD005309

Tot Ion: 62 Resp: 72959

Ion Ratio Lower Upper

62 100

64 34.2 24.8 46.0



#6

Bromomethane

Concen: 5.057 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018539.D

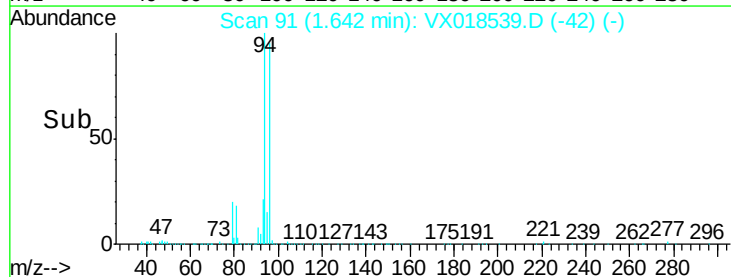
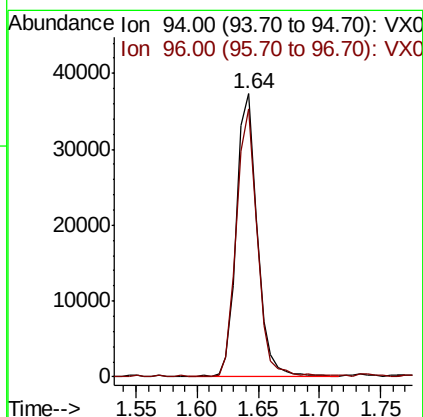
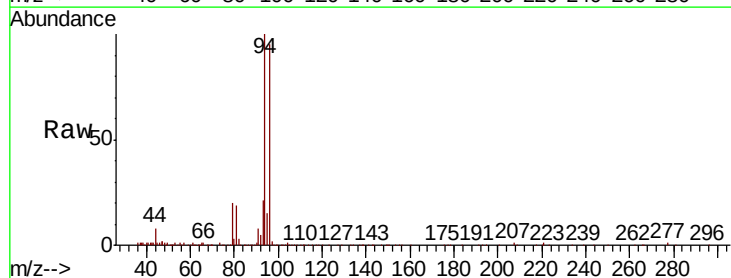
Acq: 23 Sep 2020 15:48

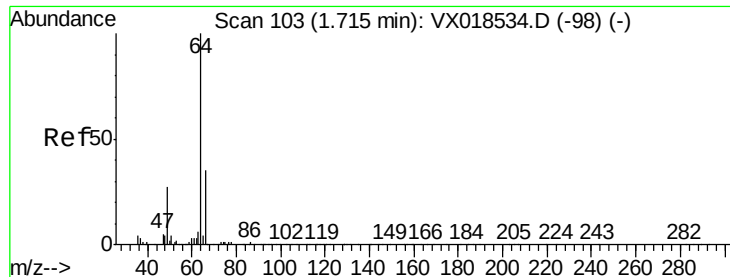
Tgt Ion: 94 Resp: 44041

Ion Ratio Lower Upper

94 100

96 94.7 65.2 121.2

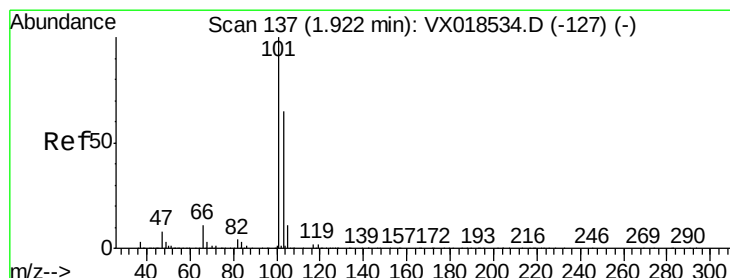
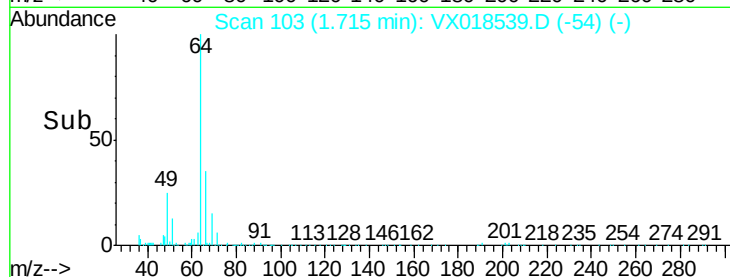
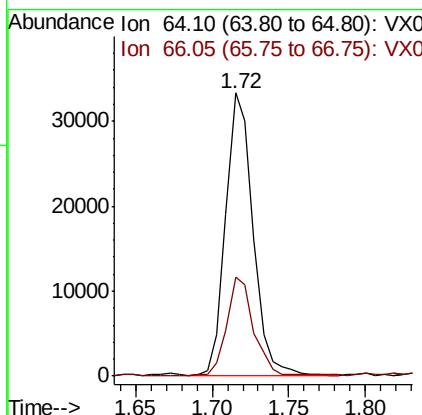
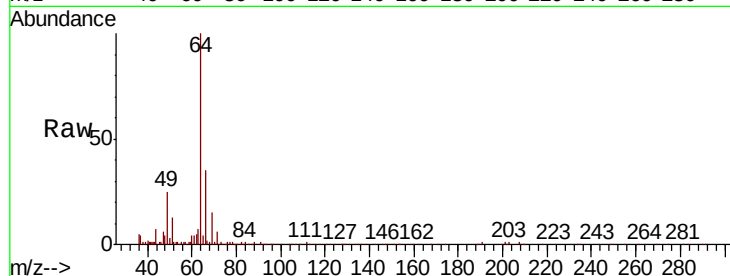




#8
Chloroethane
Concen: 5.091 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

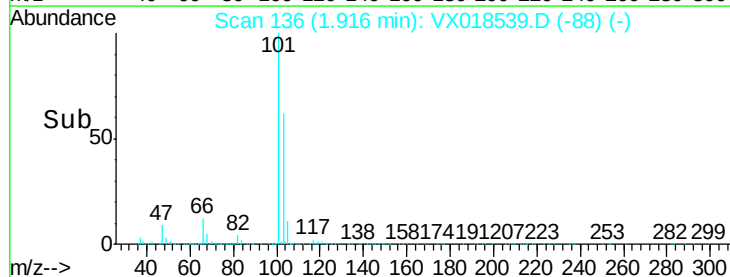
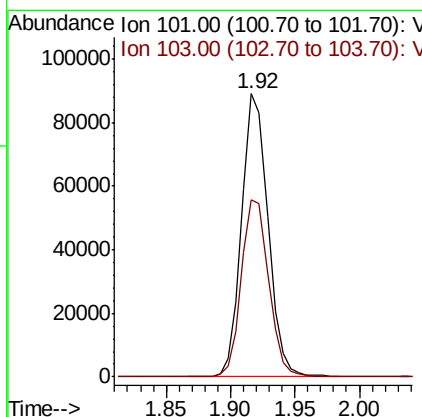
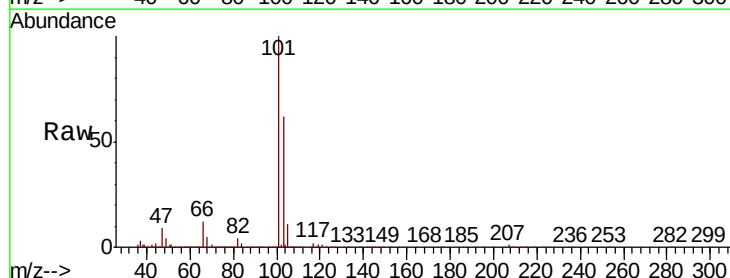
Instrument :
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ClientSampleId :
VSTD005309

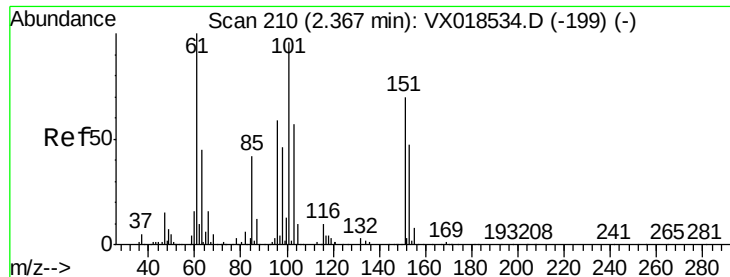
Tot Ion: 64 Resp: 41084
Ion Ratio Lower Upper
64 100
66 34.8 23.4 43.4



#9
Trichlorofluoromethane
Concen: 5.299 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion: 101 Resp: 126392
Ion Ratio Lower Upper
101 100
103 65.2 50.2 75.2





#10

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

Concen: 5.340 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

VSTD005309

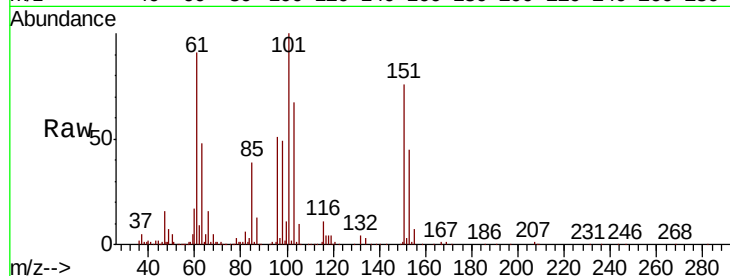
Tot Ion:101 Resp: 72808

Ion Ratio Lower Upper

101 100

85 44.1 35.9 53.9

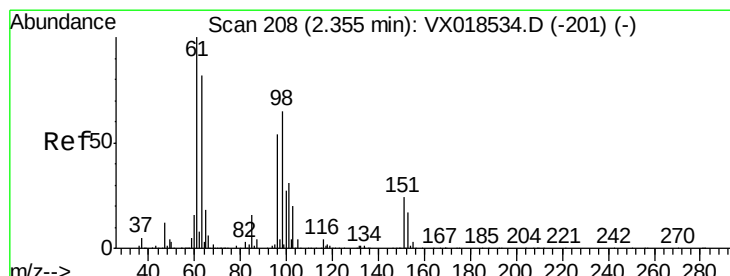
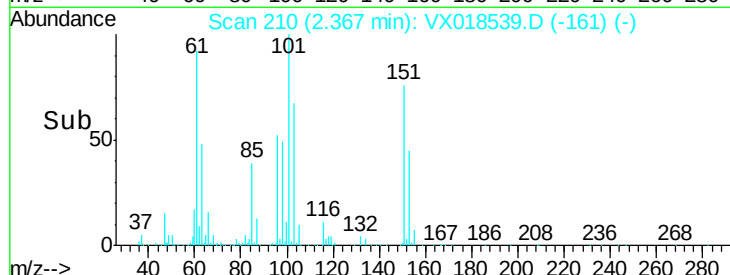
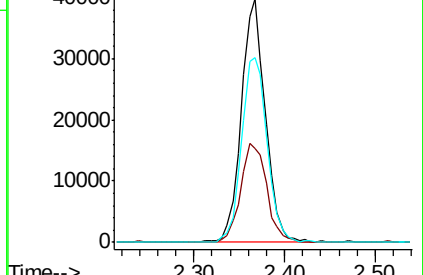
151 80.7 62.4 93.6



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: 5.260 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

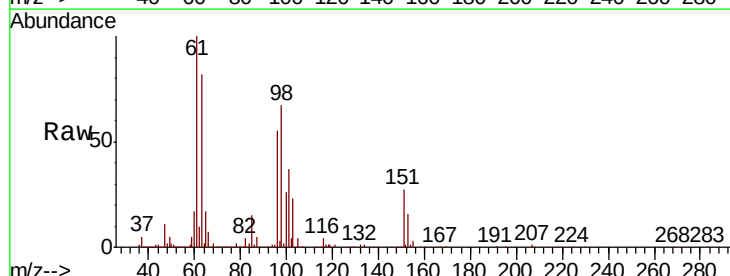
Tgt Ion: 96 Resp: 66613

Ion Ratio Lower Upper

96 100

61 181.3 128.9 239.3

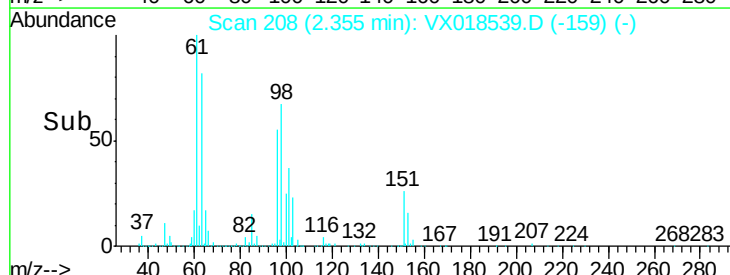
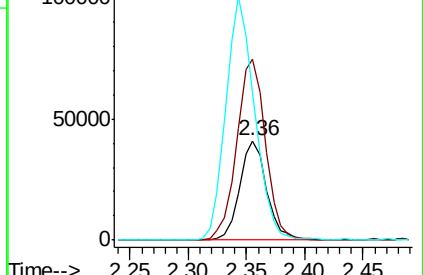
63 149.0 105.6 196.2

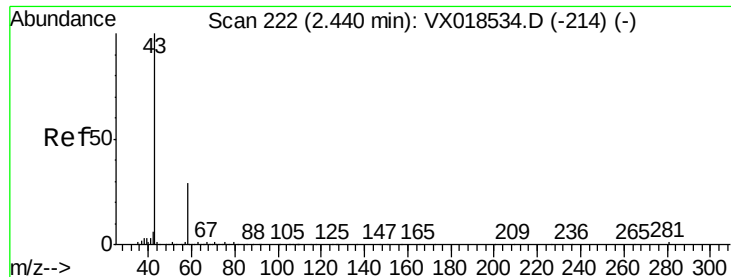


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.924 ug/L

RT: 2.45 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

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ClientSampleId :

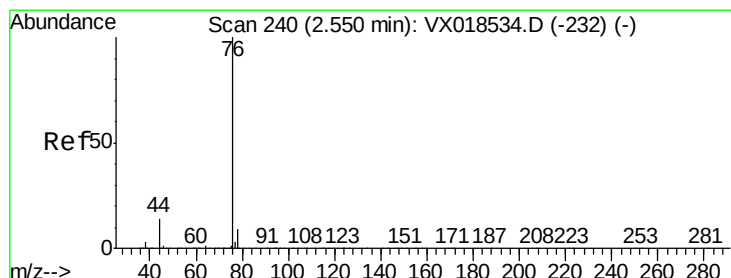
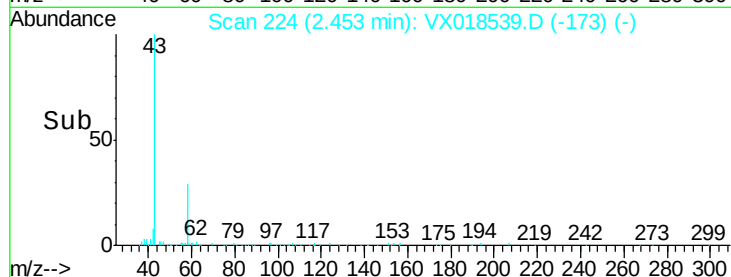
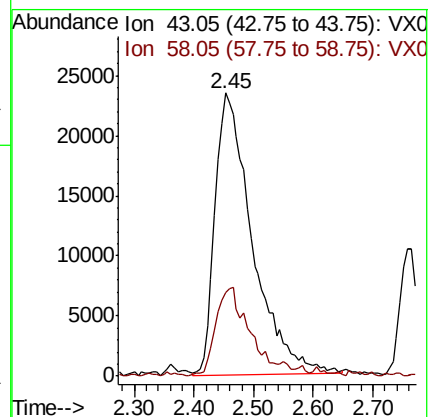
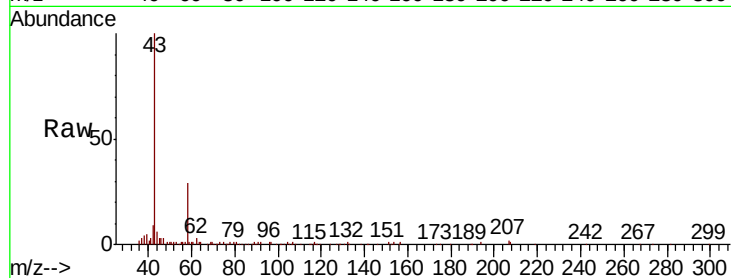
VSTD005309

Tot Ion: 43 Resp: 101942

Ion Ratio Lower Upper

43 100

58 27.9 0.0 58.0



#14

Carbon disulfide

Concen: 4.976 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018539.D

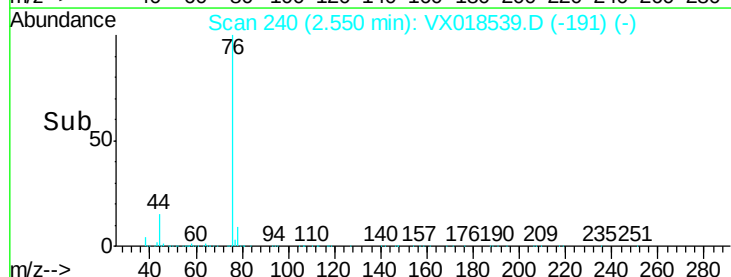
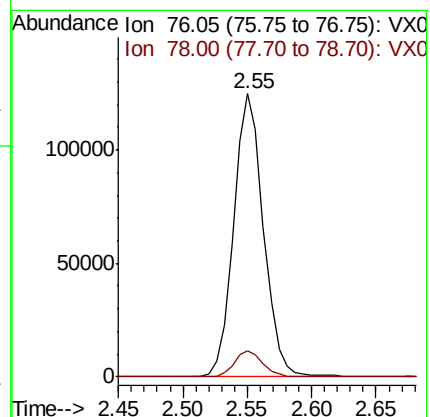
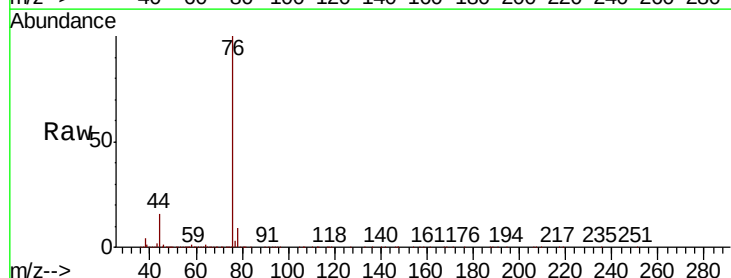
Acq: 23 Sep 2020 15:48

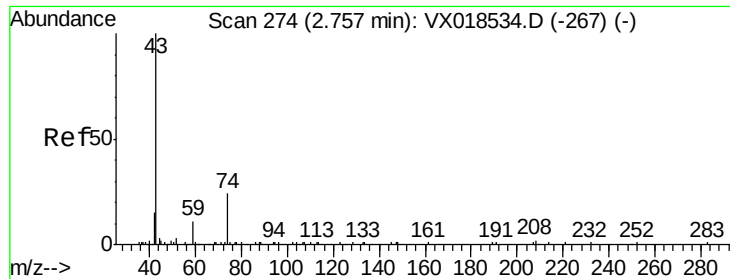
Tgt Ion: 76 Resp: 200674

Ion Ratio Lower Upper

76 100

78 9.0 8.5 12.7

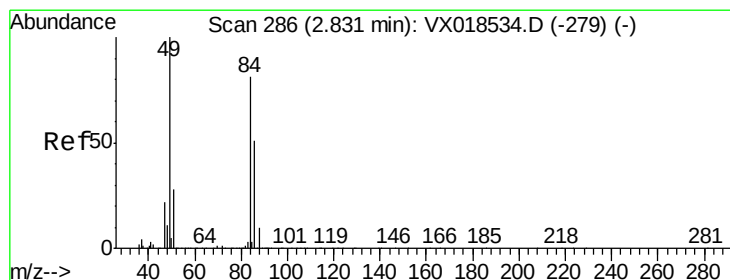
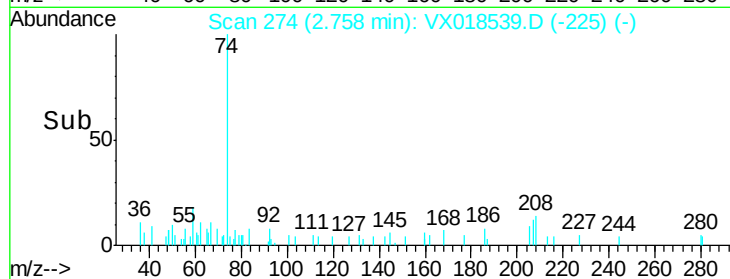
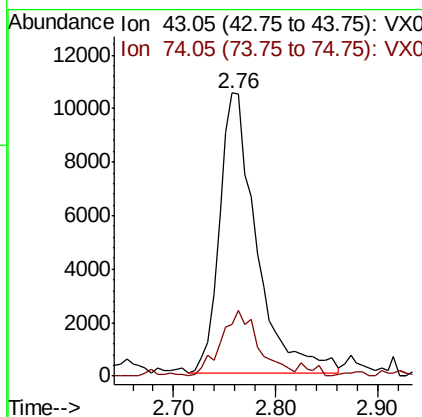
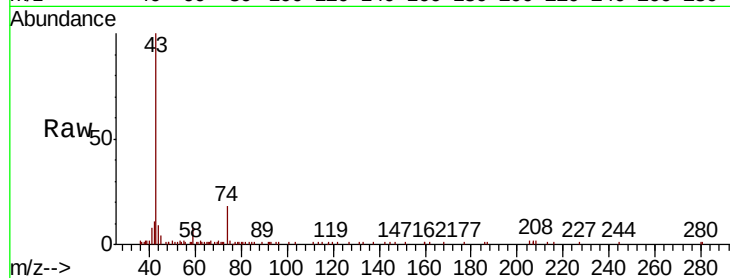




#15
Methyl Acetate
Concen: 5.266 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

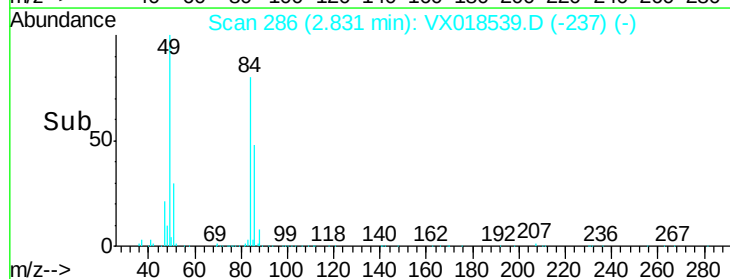
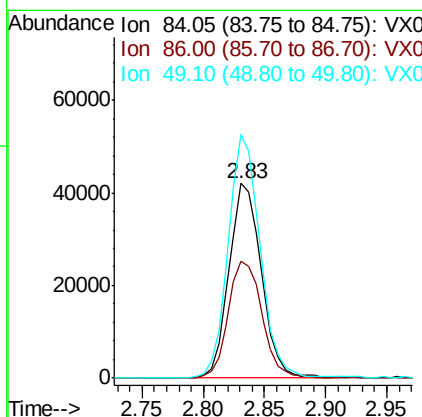
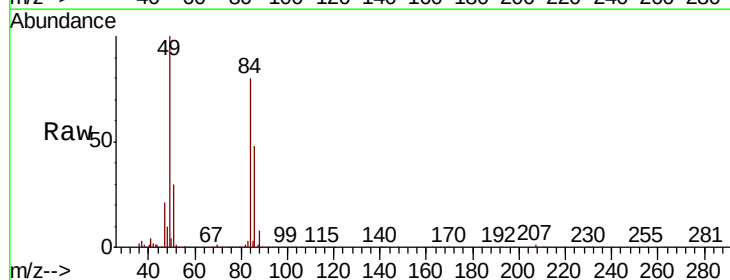
Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

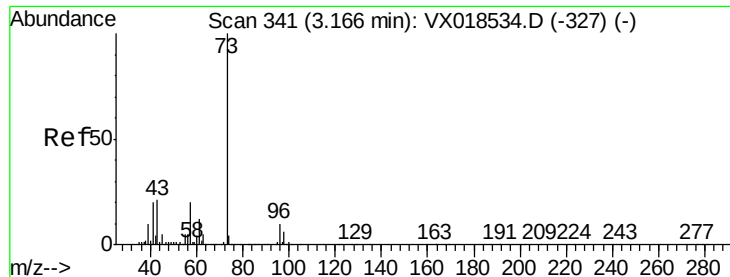
Tot Ion: 43 Resp: 26368
Ion Ratio Lower Upper
43 100
74 23.8 15.8 23.6#



#16
Methylene chloride
Concen: 4.509 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion: 84 Resp: 76841
Ion Ratio Lower Upper
84 100
86 59.9 39.8 74.0
49 125.0 79.5 147.6

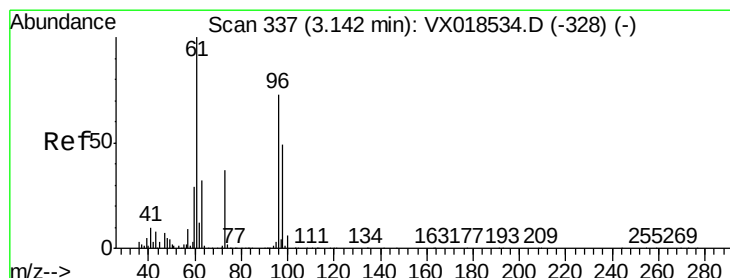
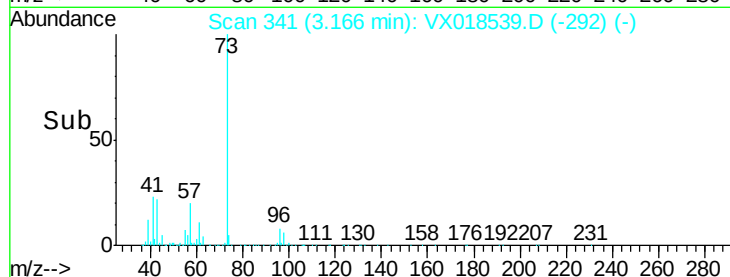
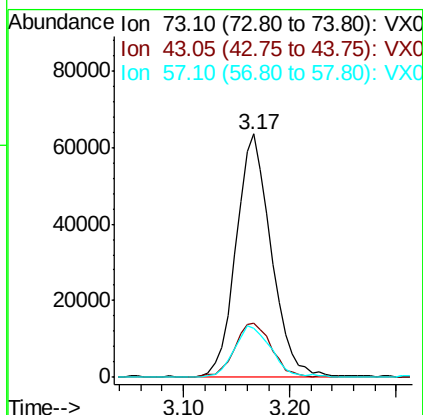
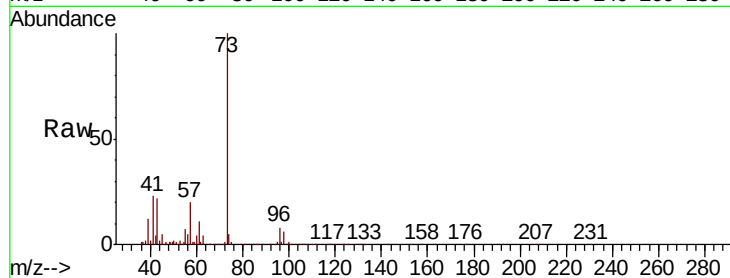




#17
Methyl tert-butyl Ether
Concen: 5.133 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

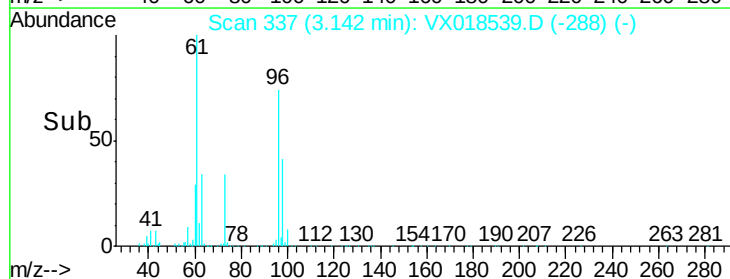
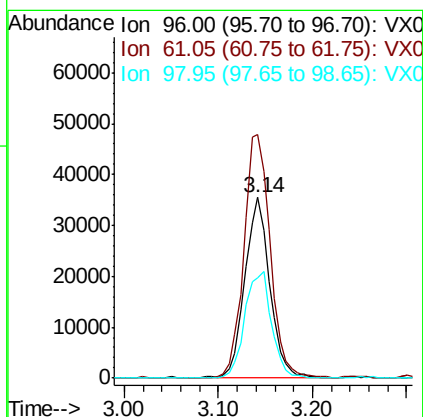
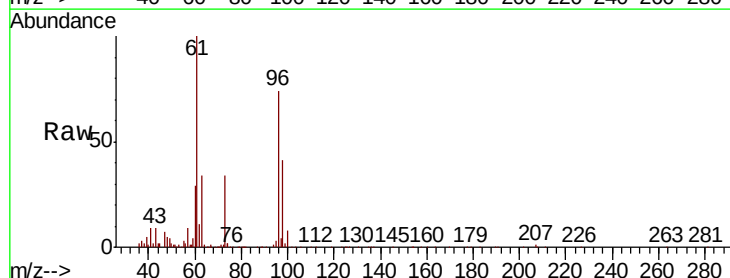
Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

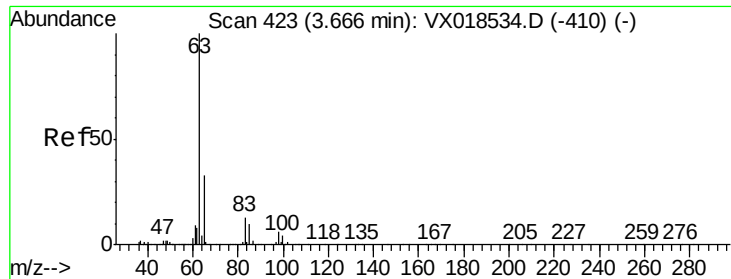
Tot Ion:	73	Resp:	146735
Ion	Ratio	Lower	Upper
73	100		
43	24.1	18.3	27.5
57	21.9	18.0	27.0



#18
trans-1,2-Dichloroethene
Concen: 5.055 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion:	96	Resp:	66253
Ion	Ratio	Lower	Upper
96	100		
61	134.9	102.6	190.6
98	55.2	45.2	84.0

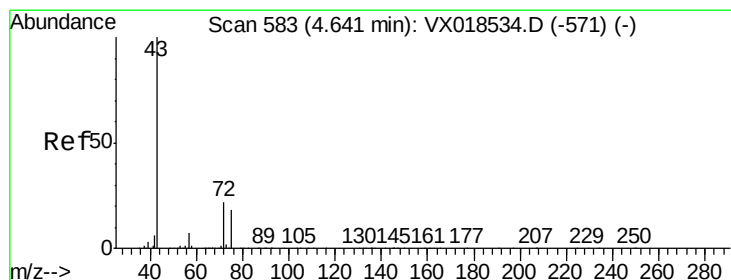
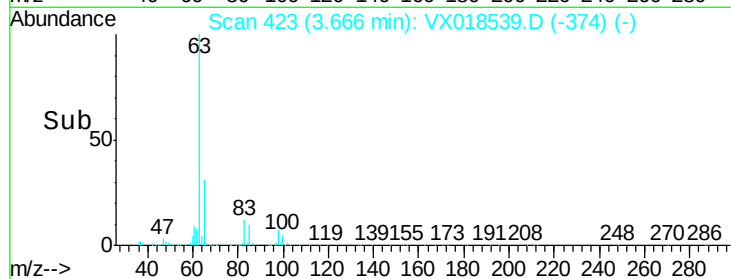
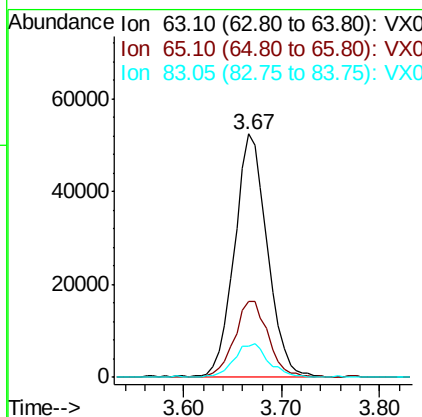
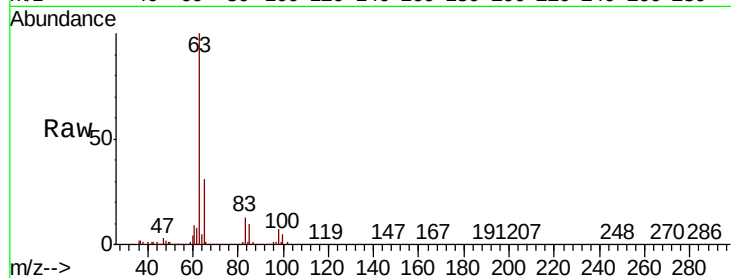




#19
 1,1-Dichloroethane
 Concen: 5.228 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

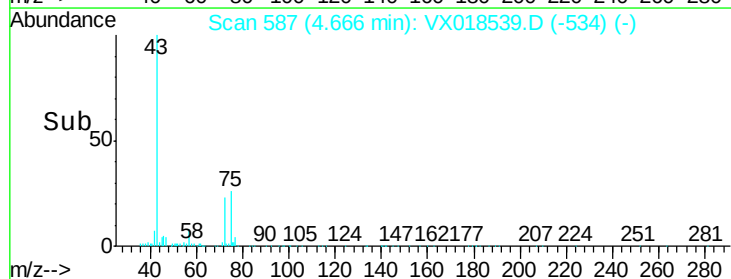
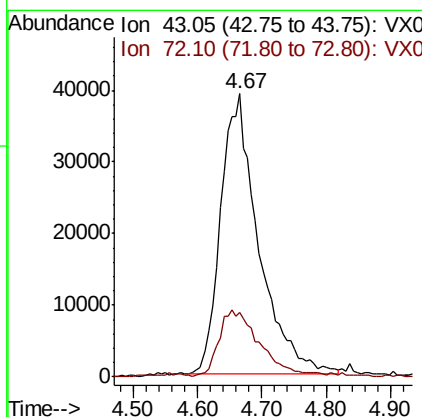
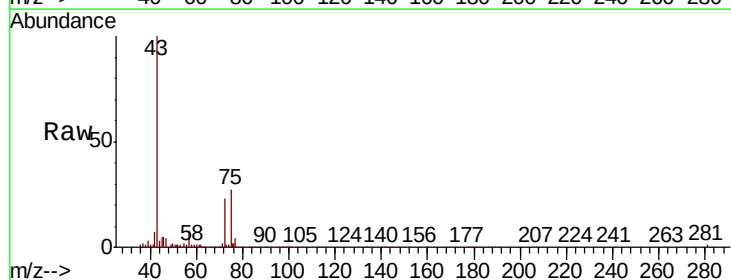
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

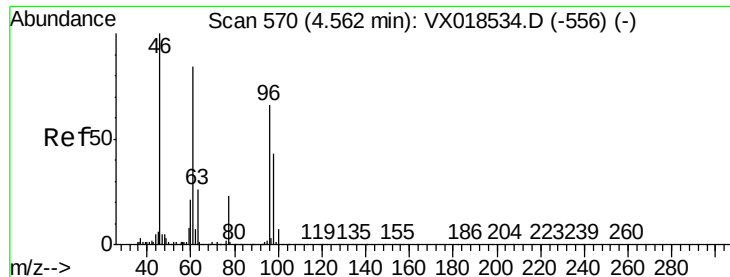
Tot Ion:	63	Resp:	122365
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.7	40.3
83	12.6	10.0	18.6



#21
 2-Butanone
 Concen: 54.694 ug/L
 RT: 4.67 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion:	43	Resp:	160928
Ion	Ratio	Lower	Upper
43	100		
72	25.1	13.0	38.9



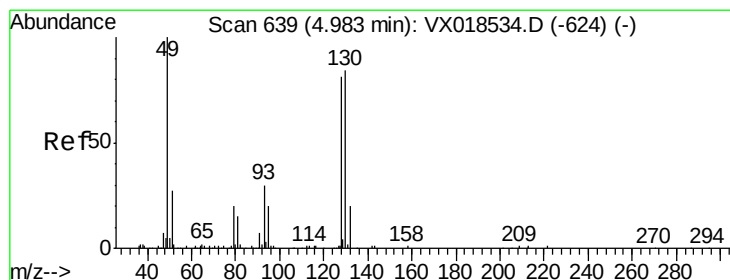
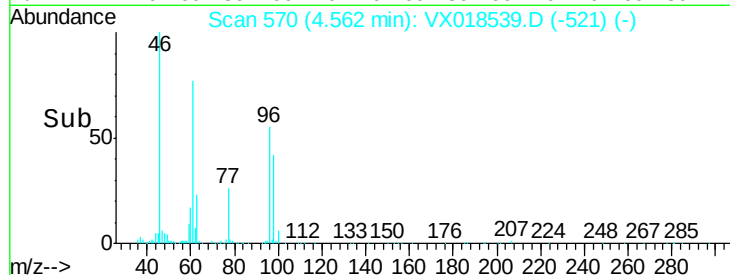
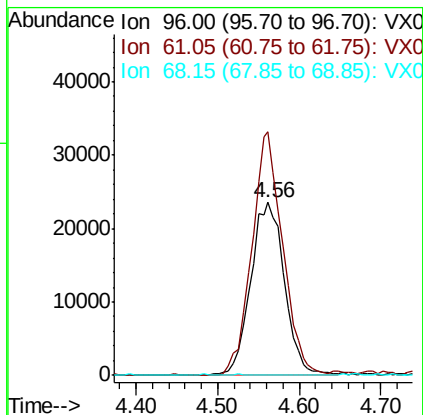
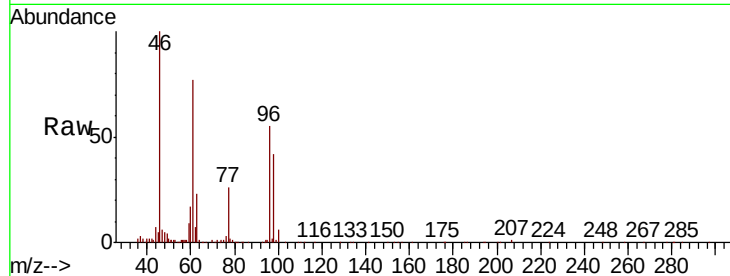


#22

cis-1,2-Dichloroethene
 Concen: 5.021 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

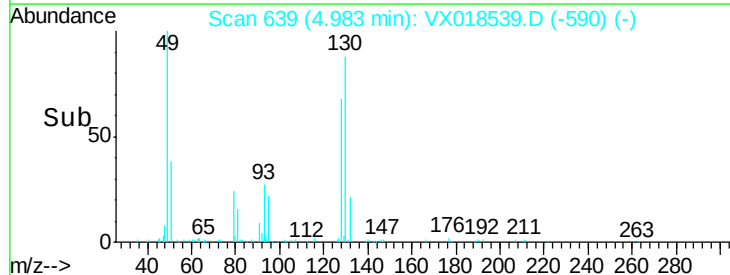
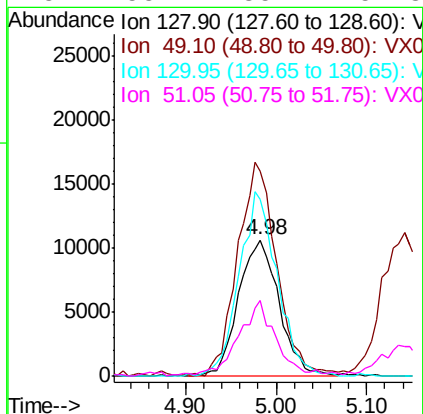
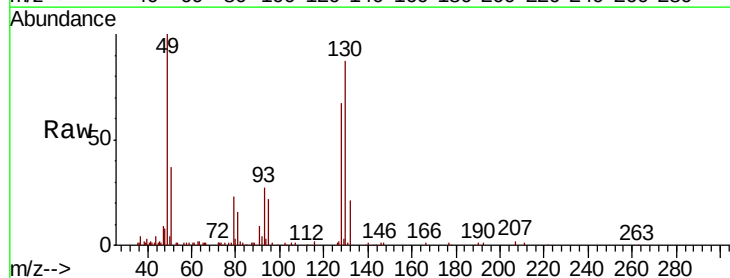
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	97.5	181.1
68	0.0	0.0	0.0

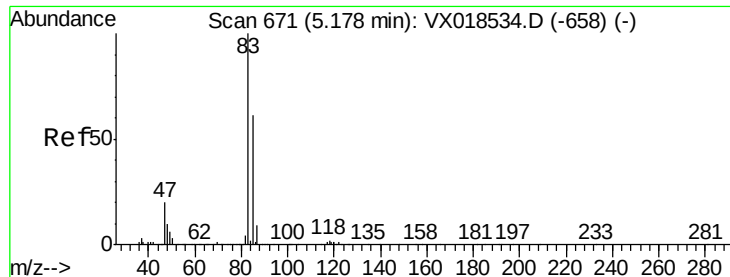


#23

Bromochloromethane
 Concen: 4.950 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
128	100		
49	150.3	99.6	185.0
130	130.3	83.6	155.2
51	55.4	35.2	52.8

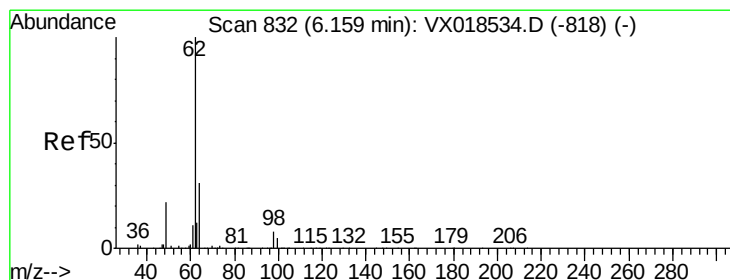
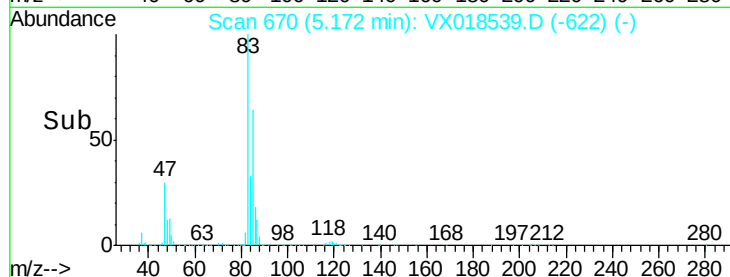
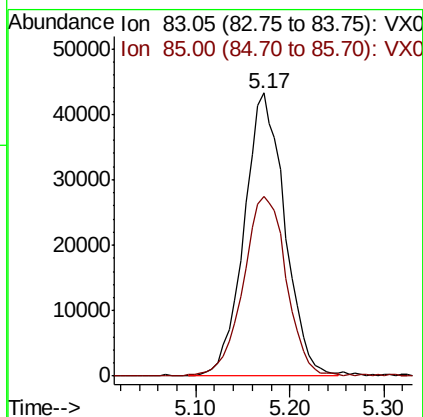
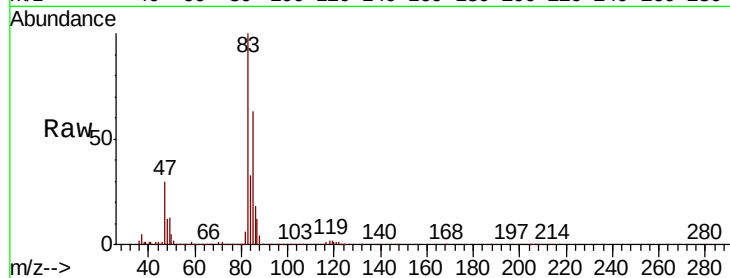




#25
Chloroform
Concen: 5.095 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

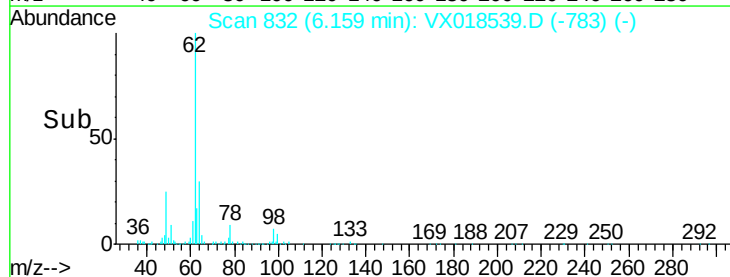
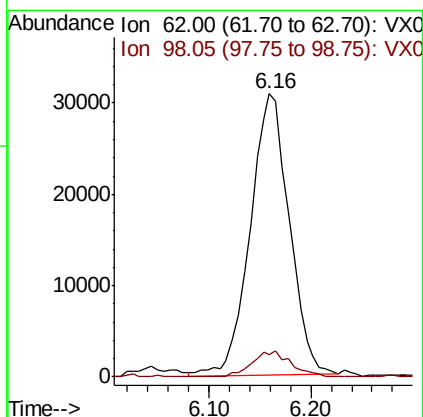
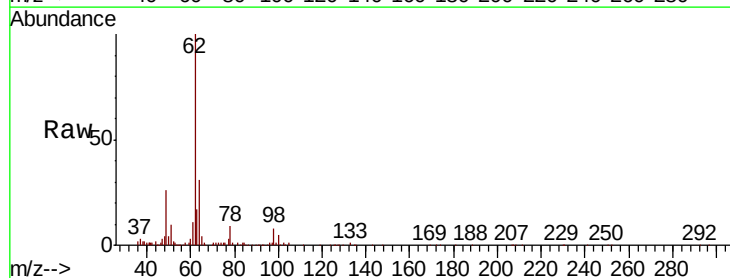
Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

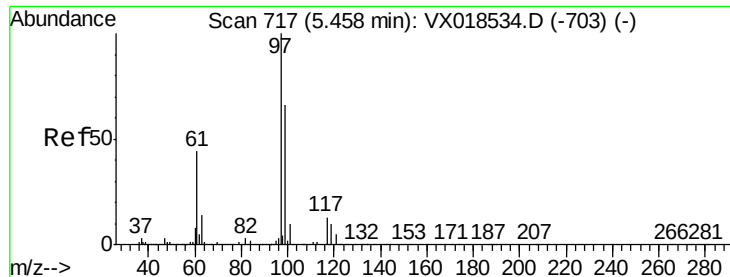
Tot Ion: 83 Resp: 130378
Ion Ratio Lower Upper
83 100
85 63.4 41.6 77.3



#27
1,2-Dichloroethane
Concen: 5.035 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion: 62 Resp: 81835
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.4

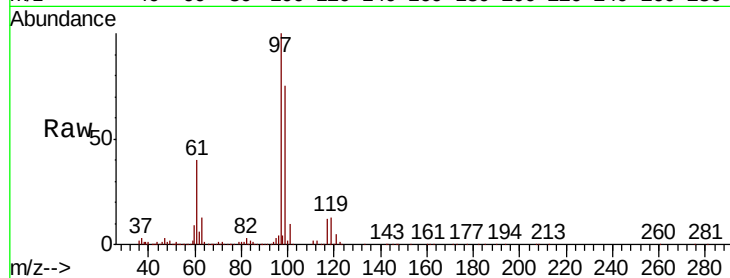




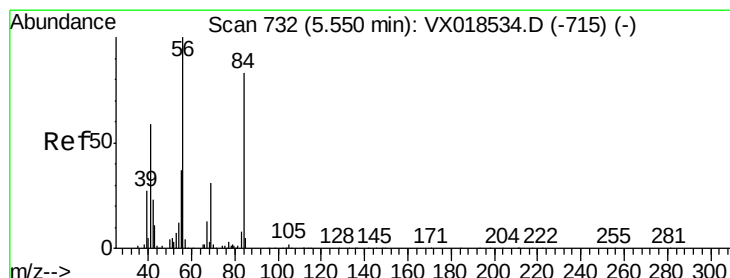
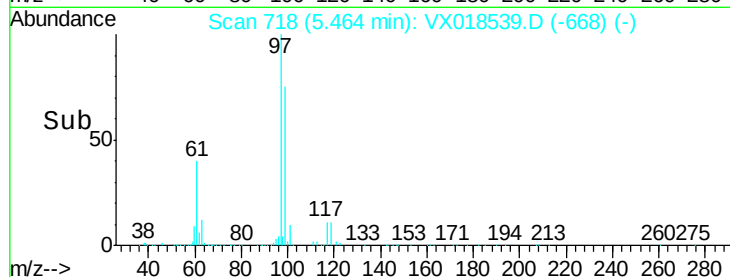
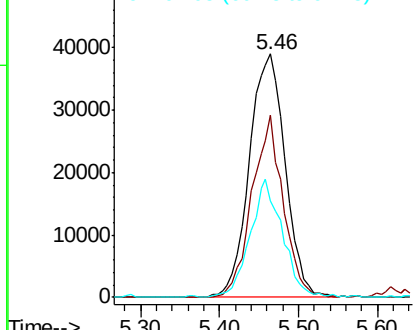
#29
1,1,1-Trichloroethane
Concen: 4.955 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.6	80.4
61	44.0	34.8	52.2

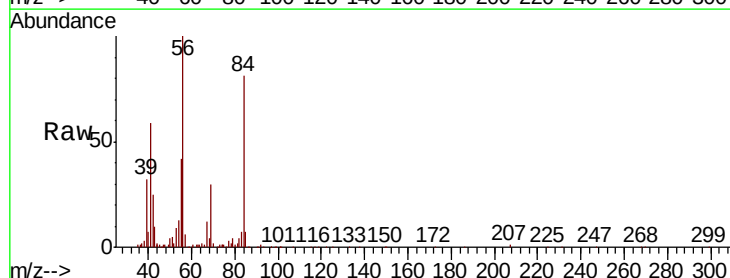


Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 61.05 (60.75 to 61.75): VX0

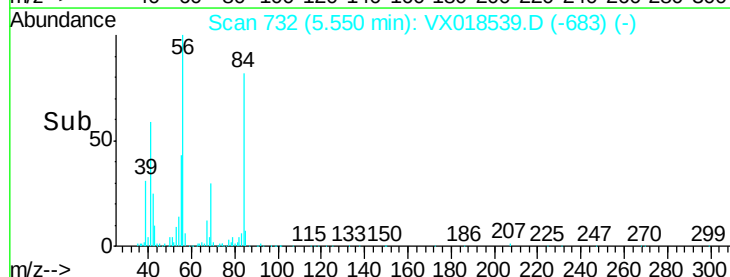
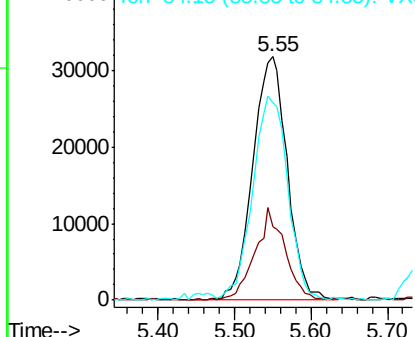


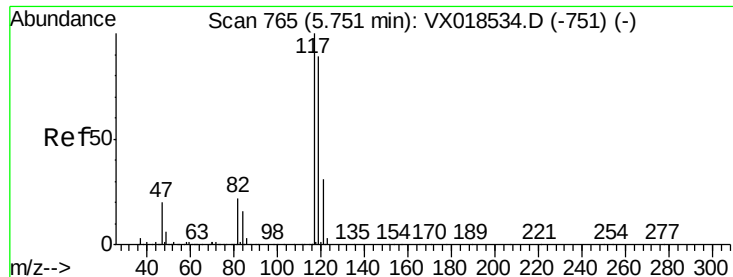
#30
Cyclohexane
Concen: 4.894 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.7	37.1
84	84.5	68.6	103.0



Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0



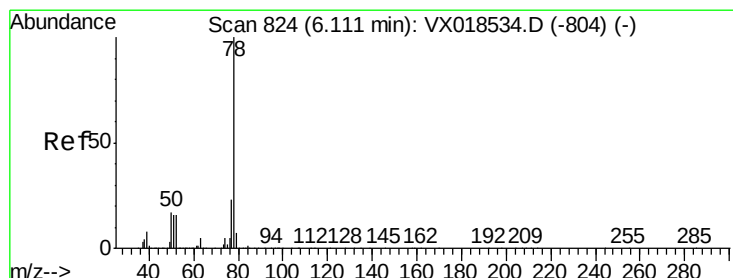
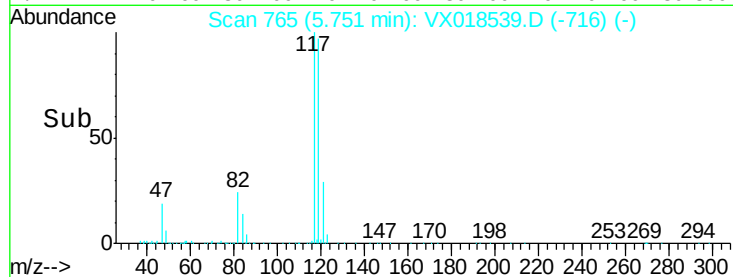
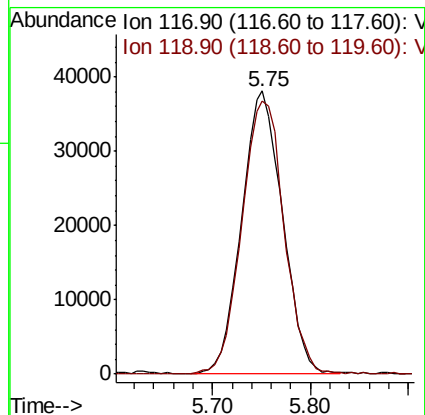
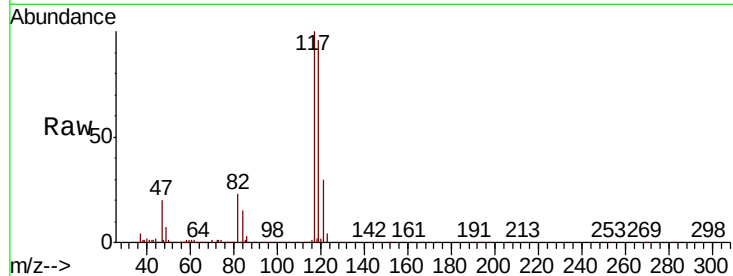


#31

Carbon tetrachloride
Concen: 4.993 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

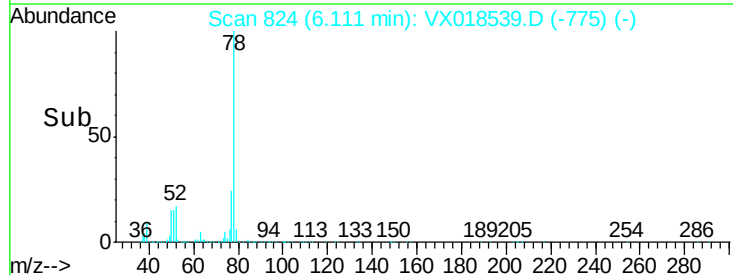
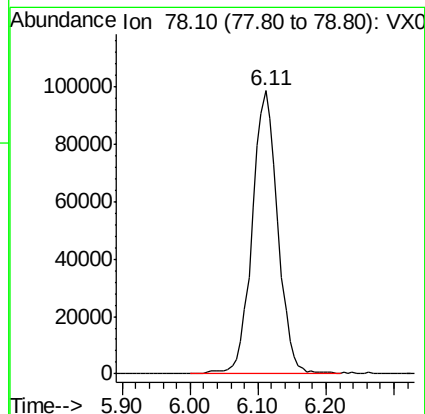
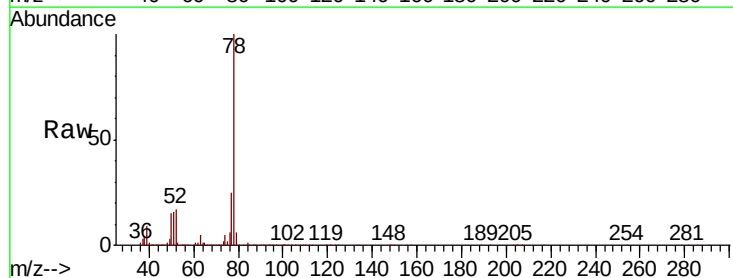
Tot Ion:117 Resp: 110749
Ion Ratio Lower Upper
117 100
119 99.5 78.3 117.5

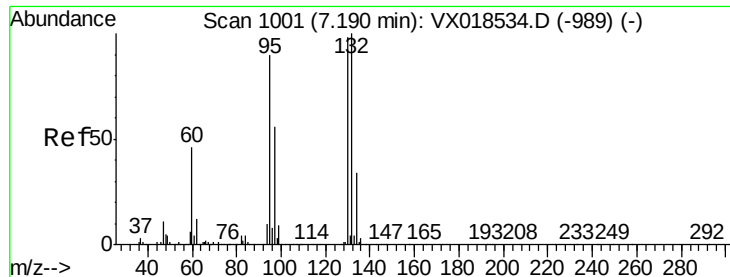


#33

Benzene
Concen: 5.111 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion: 78 Resp: 258841





#34

Trichloroethene

Concen: 5.131 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampled :

VSTD005309

Tot Ion: 95 Resp: 73620

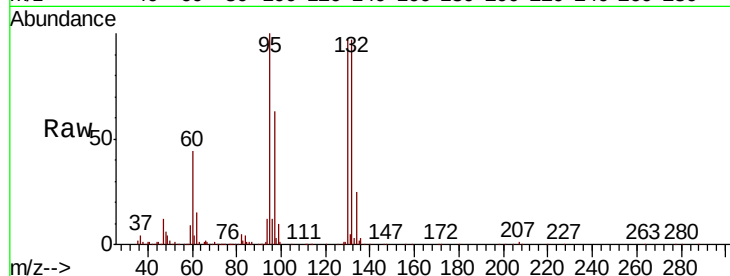
Ion Ratio Lower Upper

95 100

97 62.7 44.0 81.8

132 97.1 74.1 137.7

130 97.0 71.7 133.1

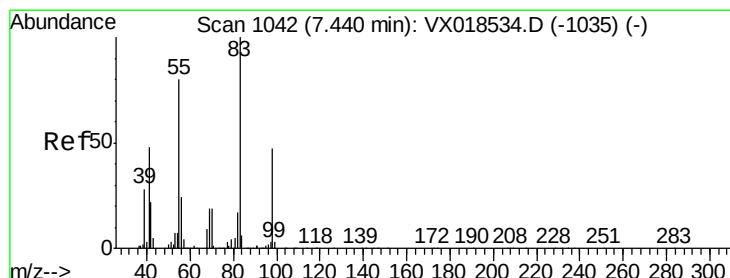
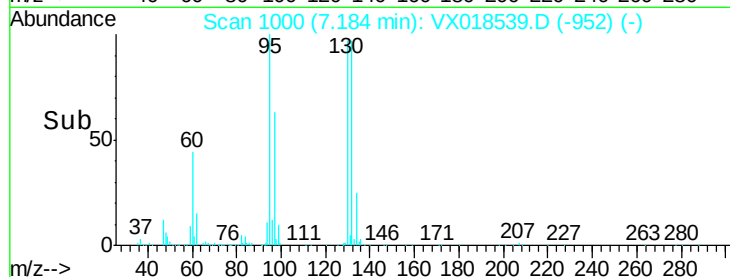
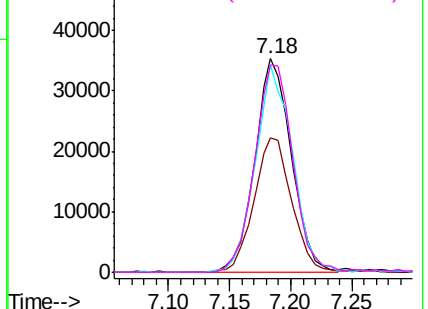


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.155 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

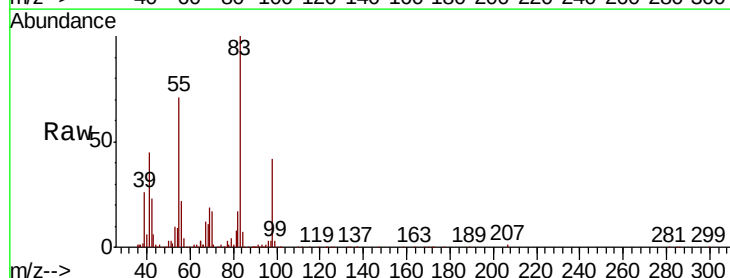
Tgt Ion: 83 Resp: 104345

Ion Ratio Lower Upper

83 100

55 79.3 65.7 98.5

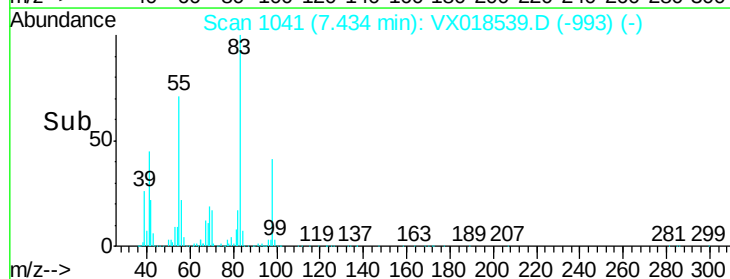
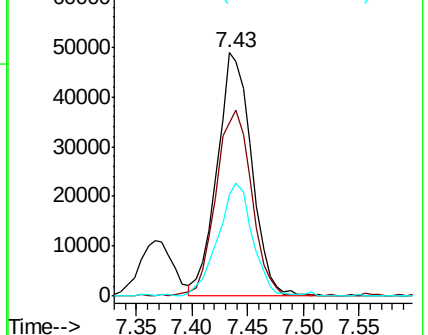
98 47.0 37.8 56.8

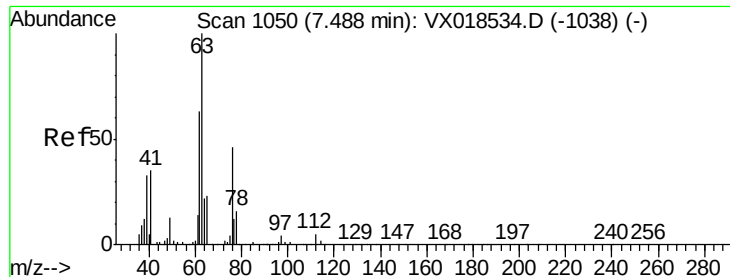


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 5.143 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

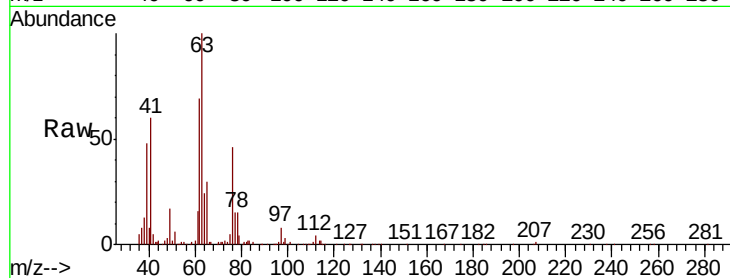
VSTD005309

Tot Ion: 63 Resp: 67090

Ion Ratio Lower Upper

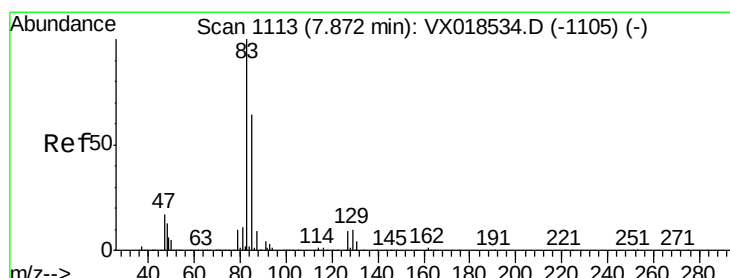
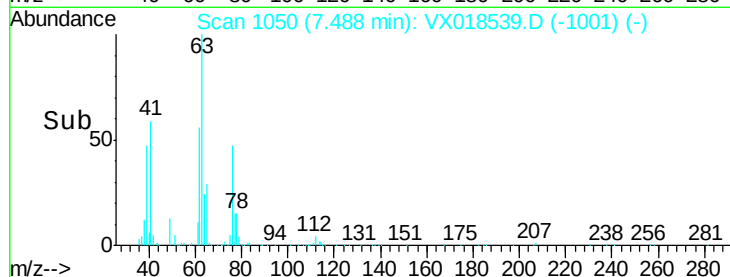
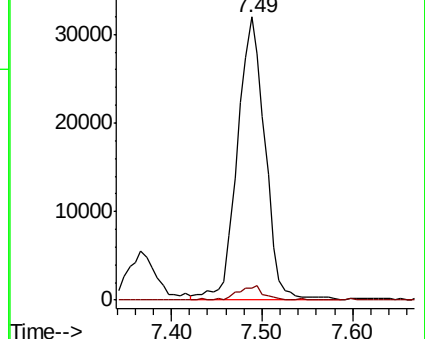
63 100

112 4.8 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.919 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

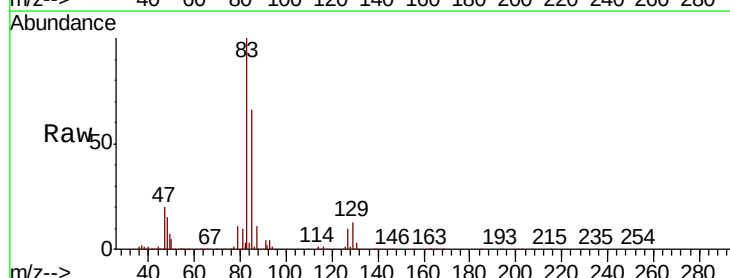
Tgt Ion: 83 Resp: 89185

Ion Ratio Lower Upper

83 100

85 66.3 42.9 79.7

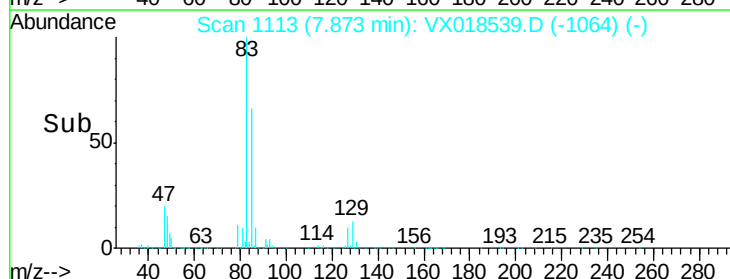
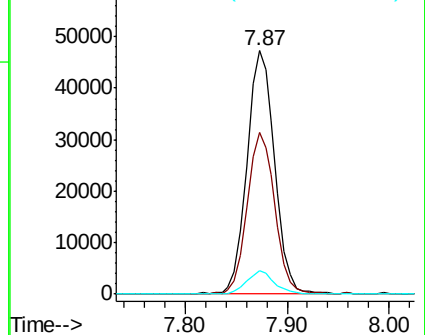
127 9.6 7.2 10.8

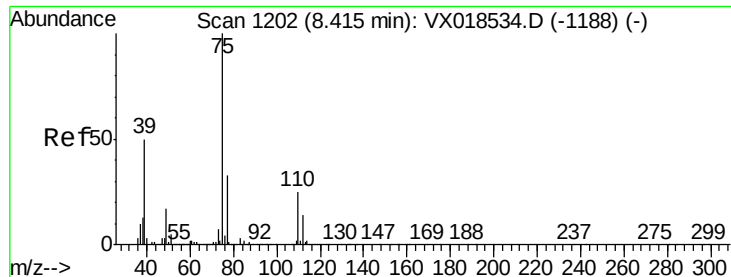


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V

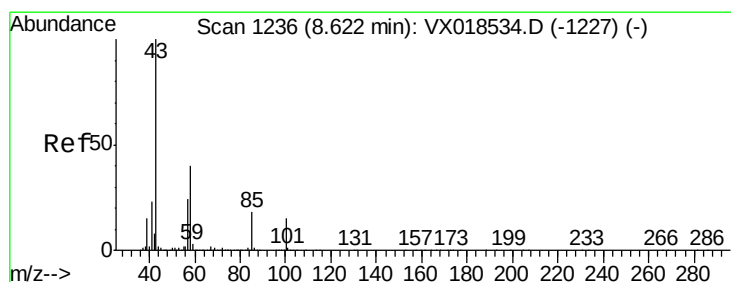
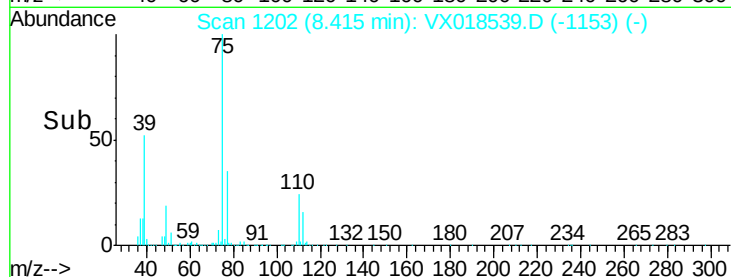
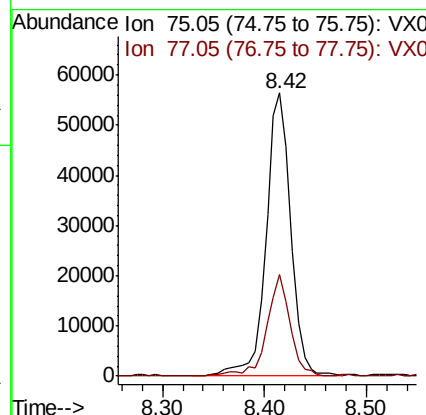
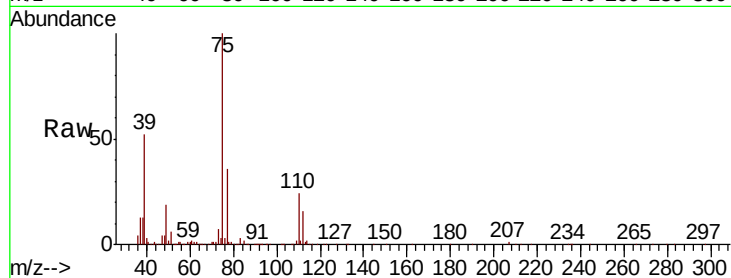




#39
 cis-1,3-Dichloropropene
 Concen: 4.953 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

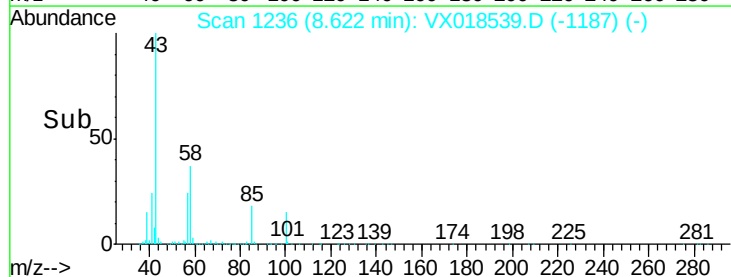
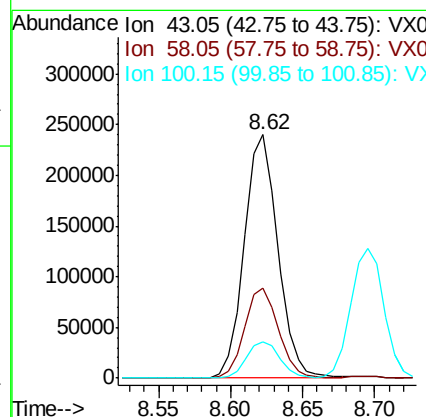
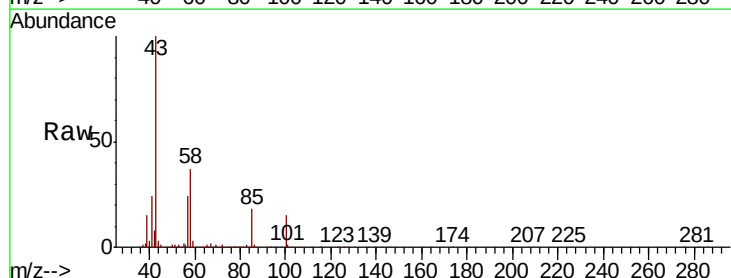
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

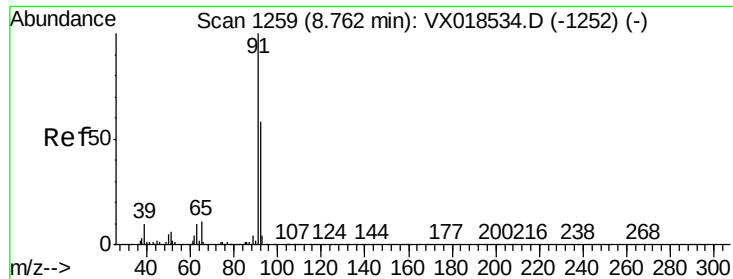
Tot Ion: 75 Resp: 95005
 Ion Ratio Lower Upper
 75 100
 77 35.7 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 53.520 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion: 43 Resp: 387521
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.8
 100 14.9 11.5 17.3





#42

Toluene

Concen: 5.234 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

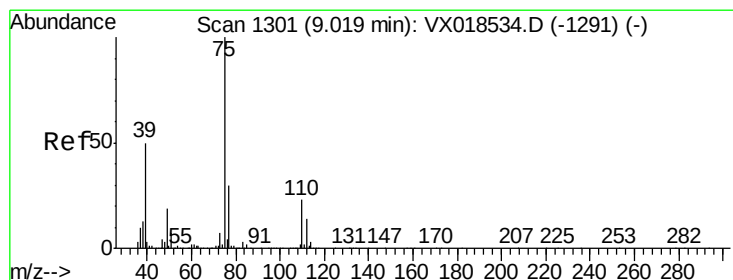
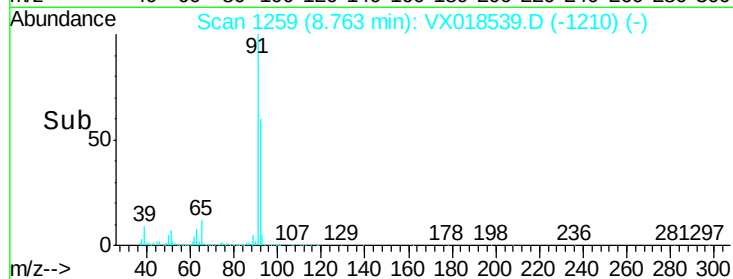
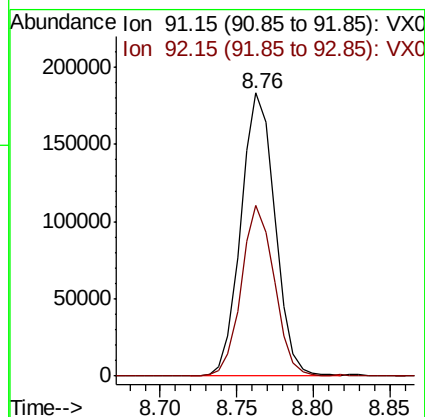
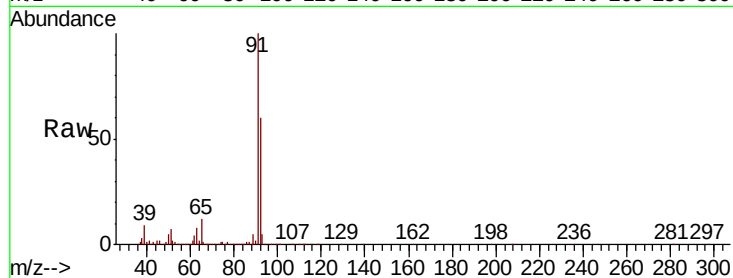
VSTD005309

Tot Ion: 91 Resp: 284191

Ion Ratio Lower Upper

91 100

92 60.4 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.072 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX018539.D

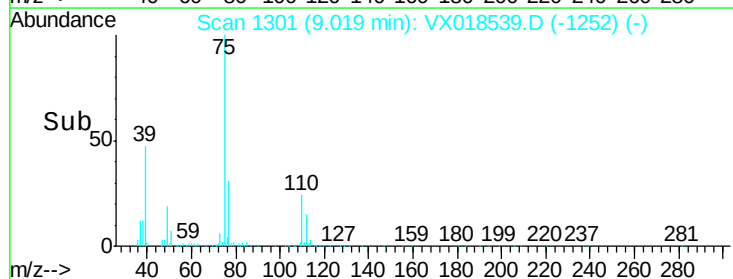
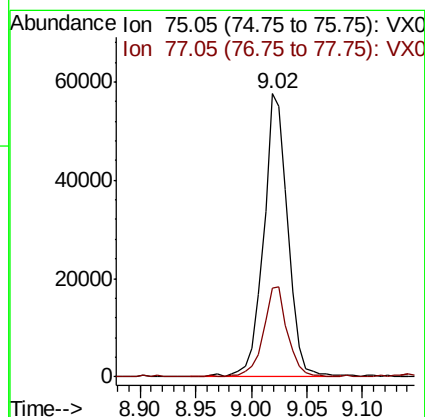
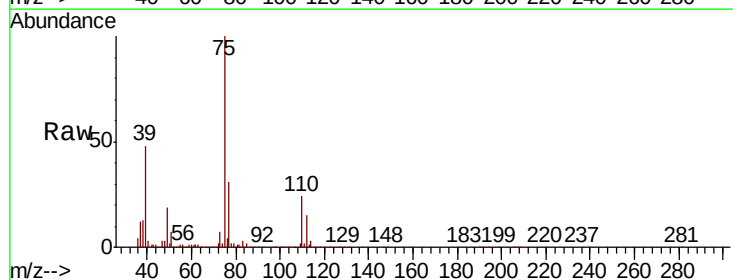
Acq: 23 Sep 2020 15:48

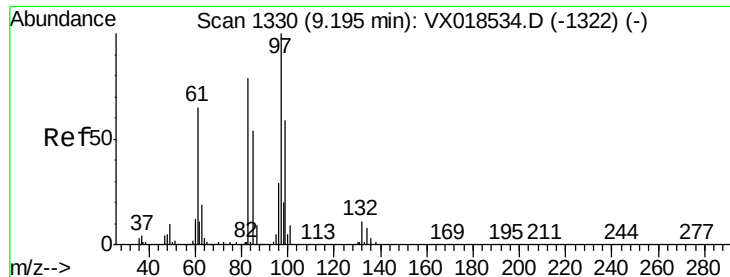
Tgt Ion: 75 Resp: 87739

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0

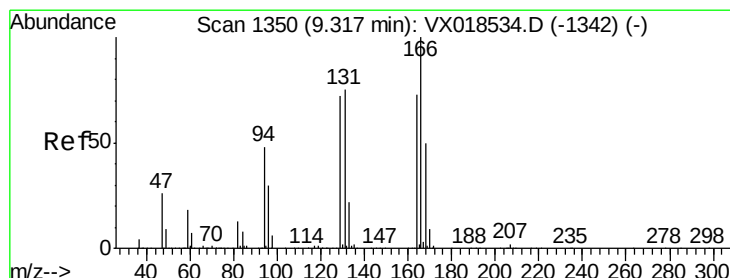
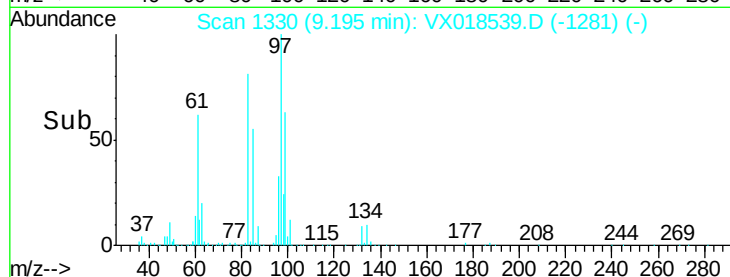
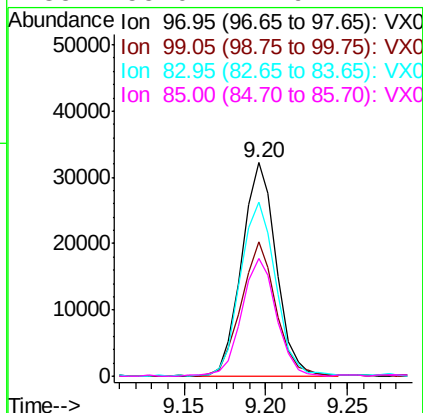
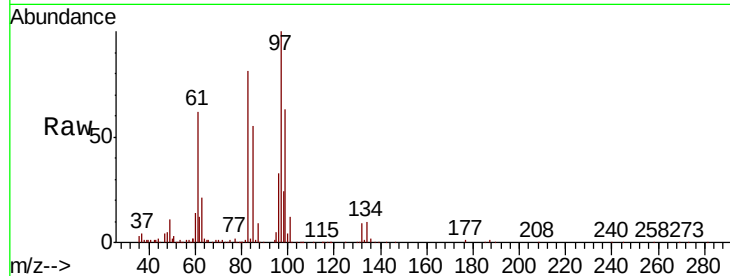




#45
 1,1,2-Trichloroethane
 Concen: 5.070 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

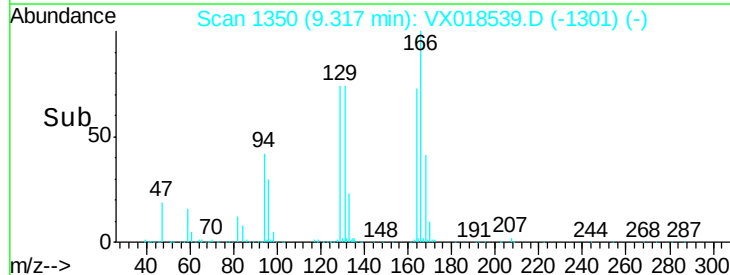
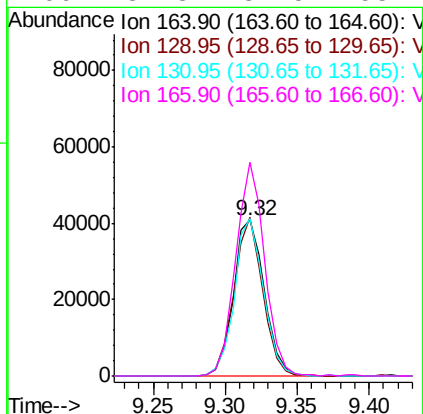
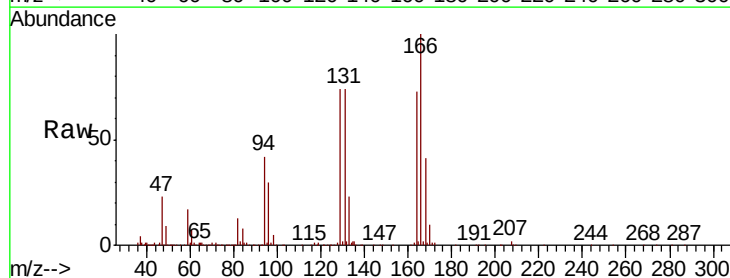
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

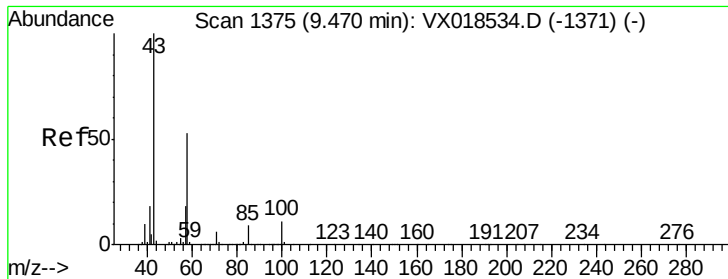
Tot Ion:	97	Resp:	47544
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.2	84.0
83	81.3	60.9	113.1
85	55.0	41.9	77.7



#47
 Tetrachloroethene
 Concen: 5.089 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion:	164	Resp:	60644
Ion	Ratio	Lower	Upper
164	100		
129	101.9	62.3	115.7
131	101.4	64.5	119.7
166	137.3	82.5	153.1

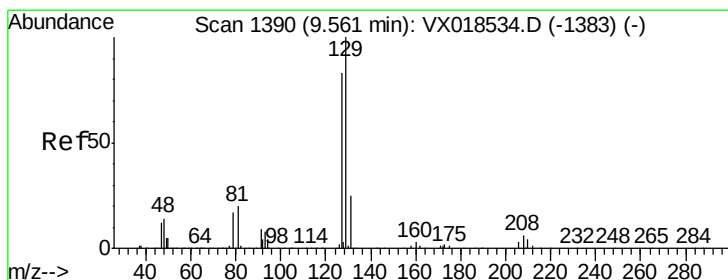
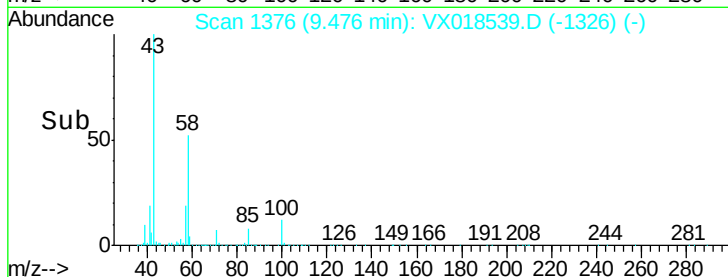
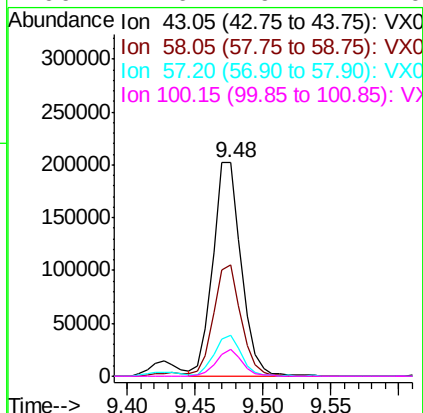
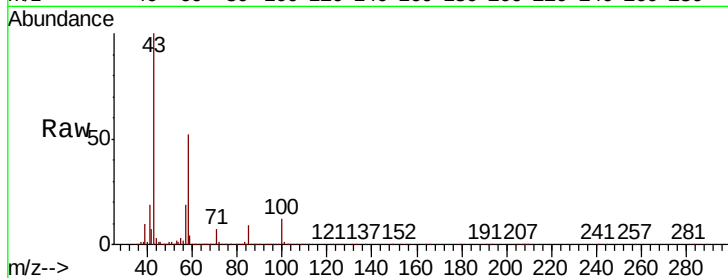




#48
2-Hexanone
Concen: 54.847 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

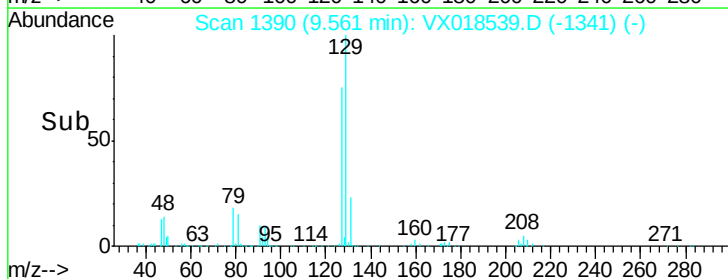
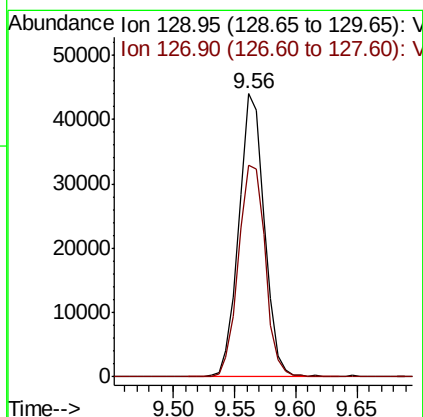
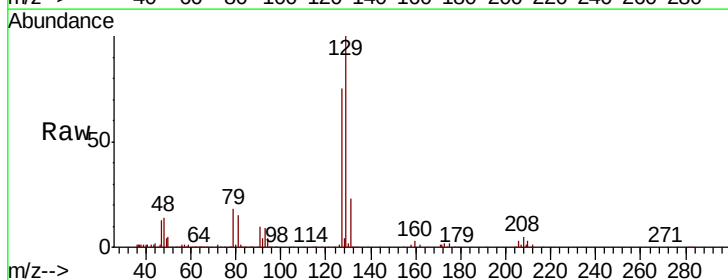
Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

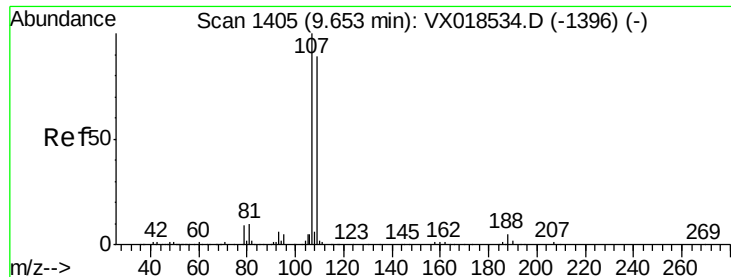
Tot Ion:	43	Resp:	290292
Ion	Ratio	Lower	Upper
43	100		
58	50.7	41.5	62.3
57	18.7	15.4	23.0
100	11.6	9.4	14.0



#49
Dibromochloromethane
Concen: 5.113 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion:	129	Resp:	63430
Ion	Ratio	Lower	Upper
129	100		
127	74.7	51.6	95.8

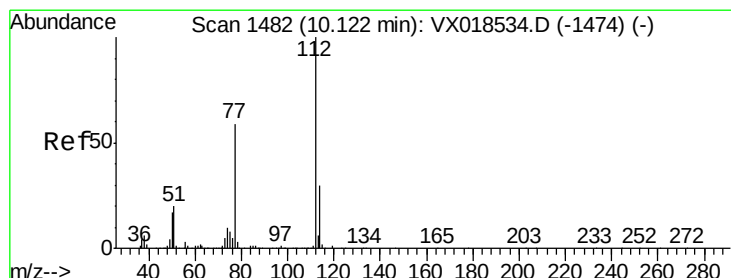
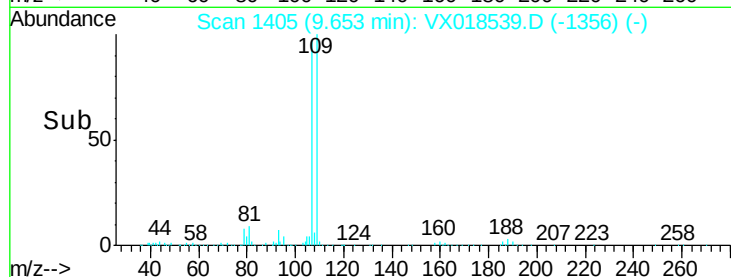
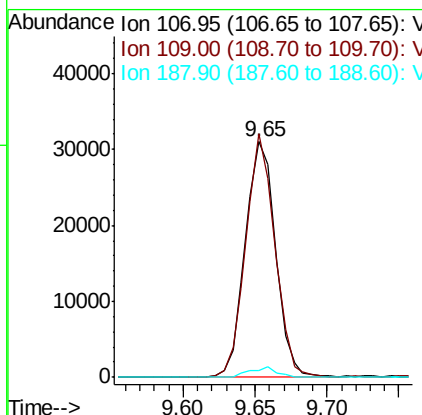
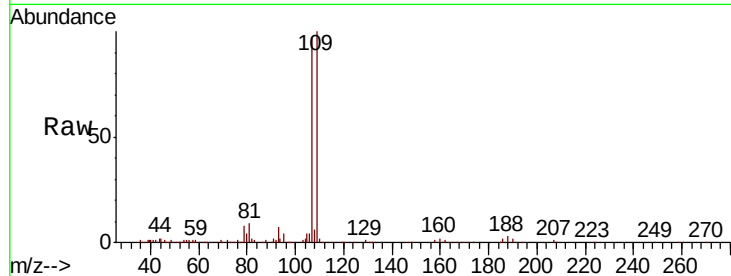




#50
1,2-Dibromoethane
Concen: 5.095 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

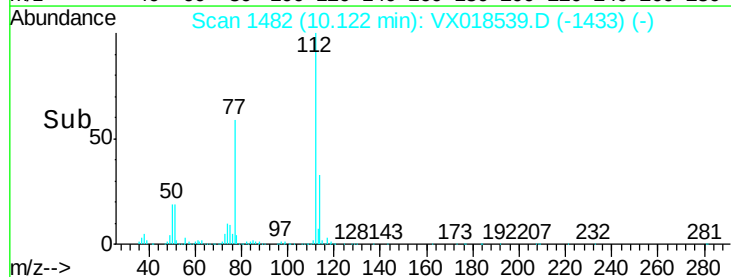
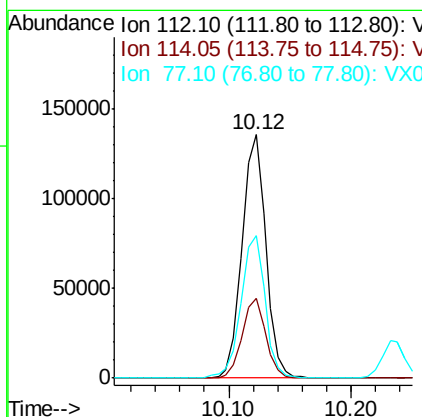
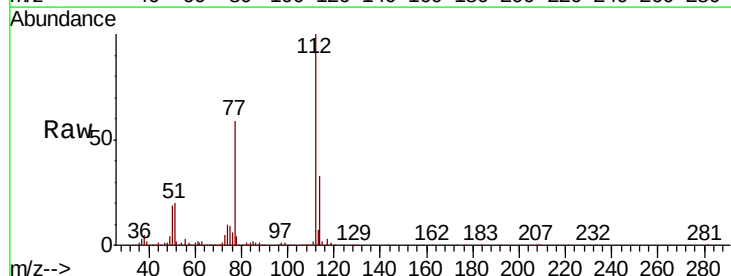
Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

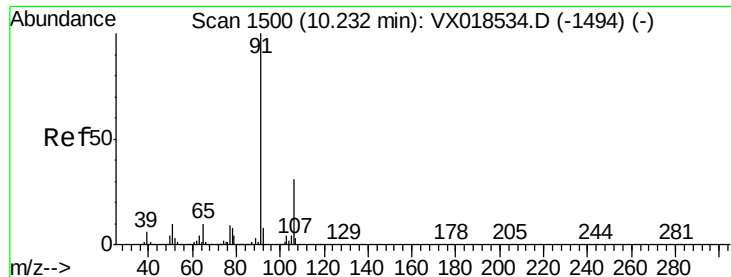
Tot Ion:107 Resp: 45497
Ion Ratio Lower Upper
107 100
109 103.3 71.2 132.2
188 2.9 1.9 2.9



#51
Chlorobenzene
Concen: 5.092 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018539.D
Acq: 23 Sep 2020 15:48

Tgt Ion:112 Resp: 182590
Ion Ratio Lower Upper
112 100
114 32.7 23.1 42.9
77 58.8 44.9 67.3





#52

Ethylbenzene

Concen: 5.279 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

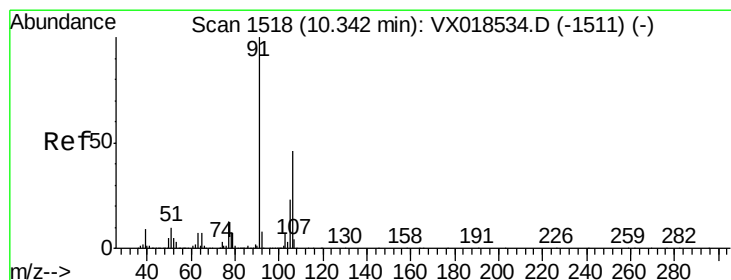
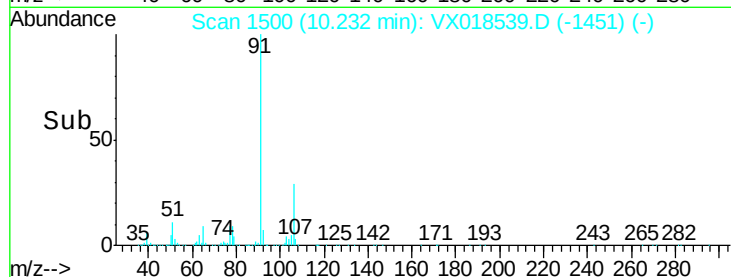
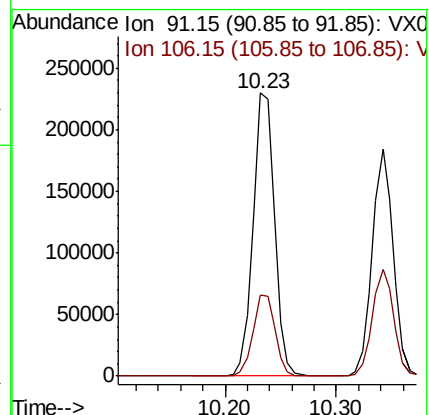
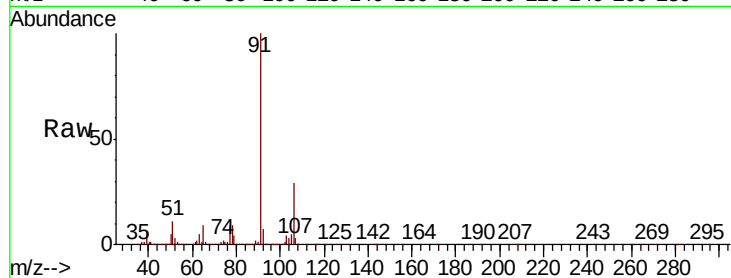
VSTD005309

Tot Ion: 91 Resp: 308068

Ion Ratio Lower Upper

91 100

106 28.6 23.3 43.3



#53

m,p-xylene

Concen: 5.209 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018539.D

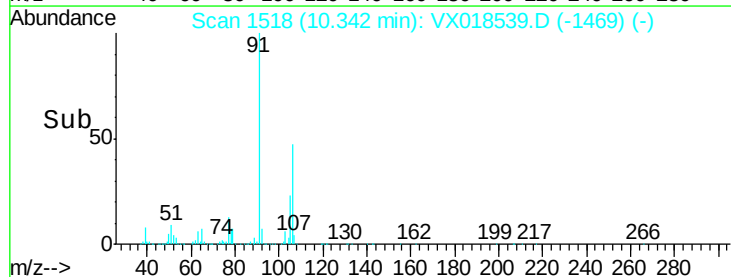
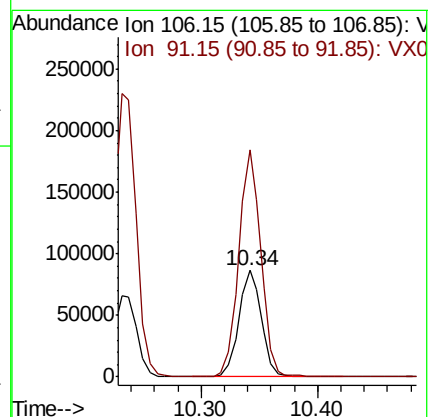
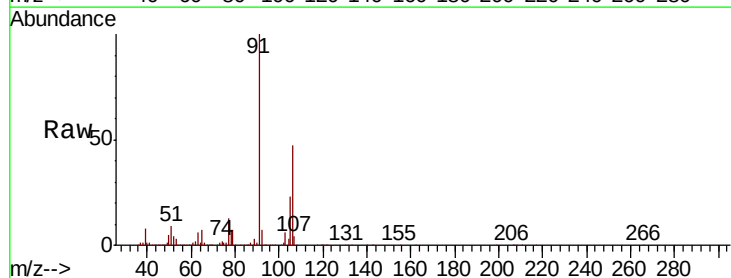
Acq: 23 Sep 2020 15:48

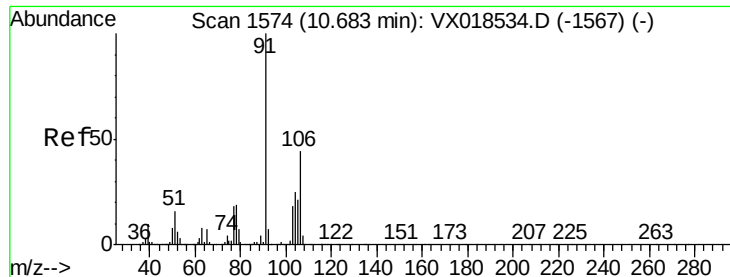
Tgt Ion: 106 Resp: 116485

Ion Ratio Lower Upper

106 100

91 213.8 146.8 272.6





#54

o-xylene

Concen: 5.349 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

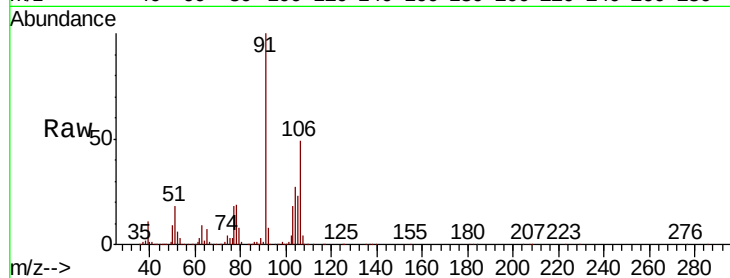
VSTD005309

Tot Ion:106 Resp: 111282

Ion Ratio Lower Upper

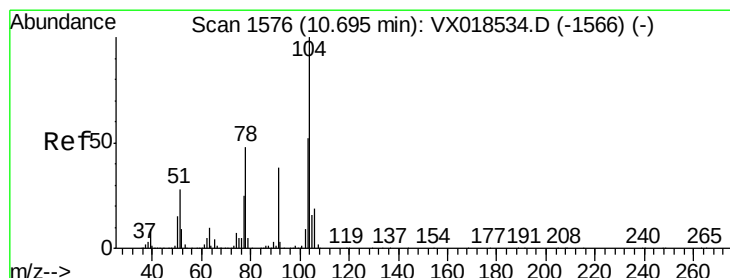
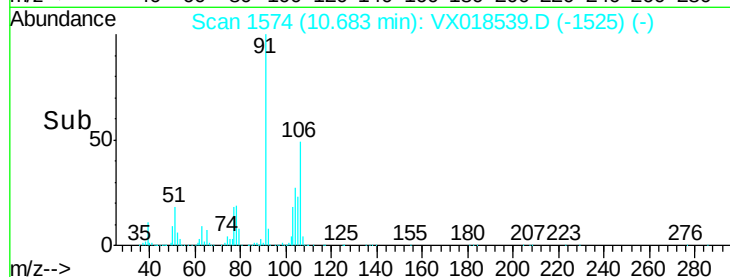
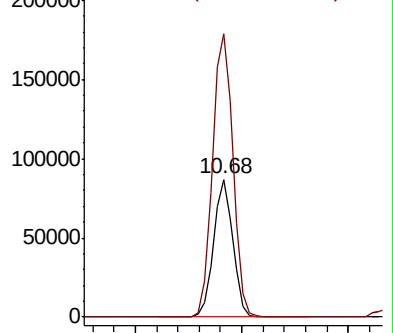
106 100

91 205.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.388 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018539.D

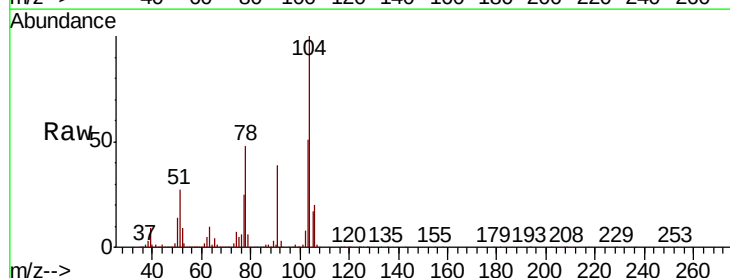
Acq: 23 Sep 2020 15:48

Tgt Ion:104 Resp: 191153

Ion Ratio Lower Upper

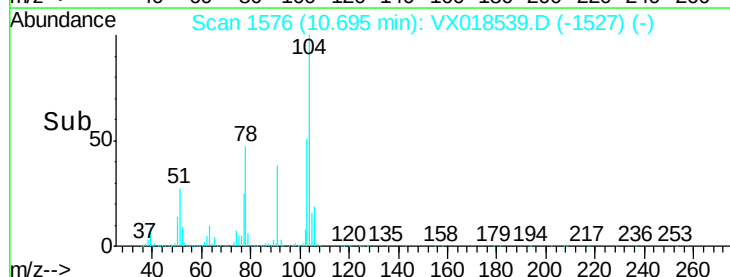
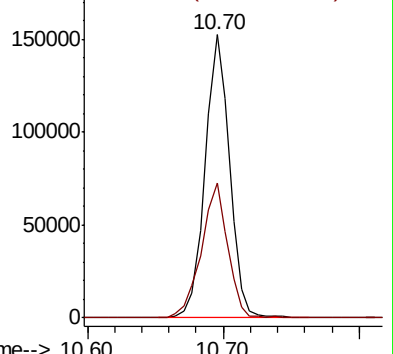
104 100

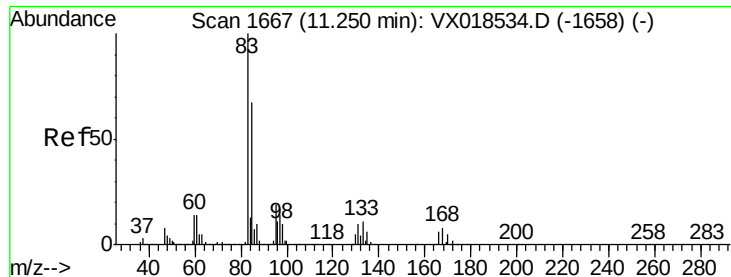
78 47.5 33.0 61.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.239 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

VSTD005309

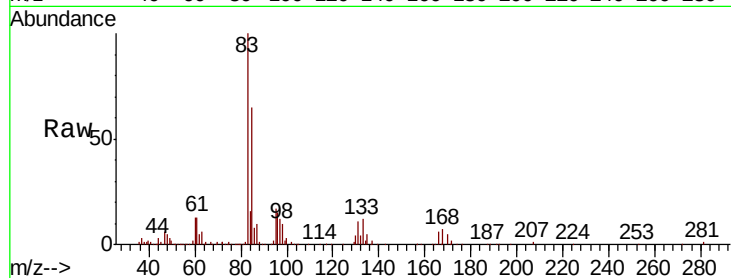
Tot Ion: 83 Resp: 55814

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4

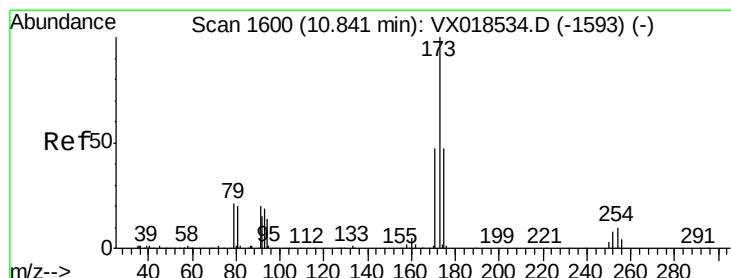
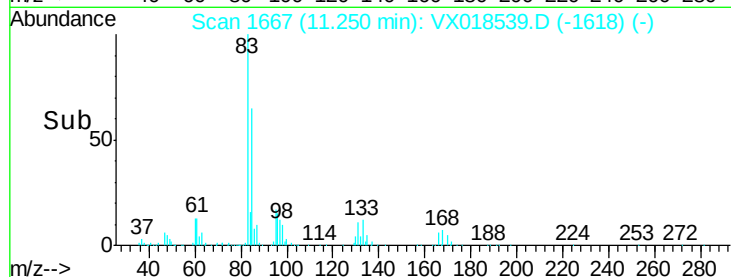
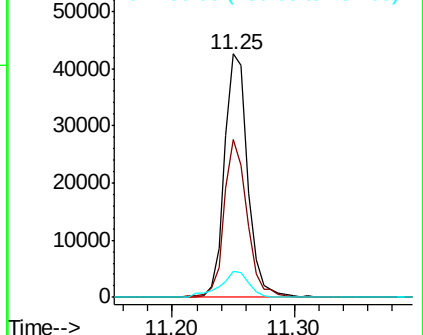
131 10.5 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VX018539.D (-1618) (-)

Ion 85.00 (84.70 to 85.70): VX018539.D (-1618) (-)

Ion 130.95 (130.65 to 131.65): VX018539.D (-1618) (-)



#59

Bromoform

Concen: 4.642 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

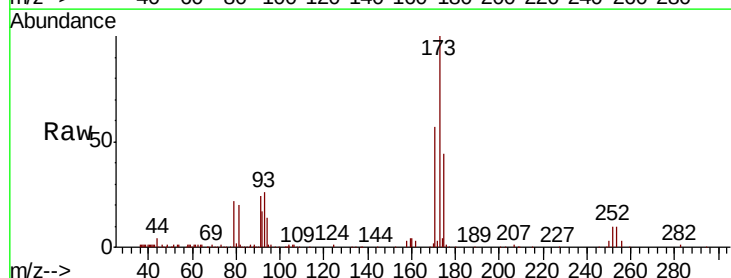
Tgt Ion: 173 Resp: 35603

Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

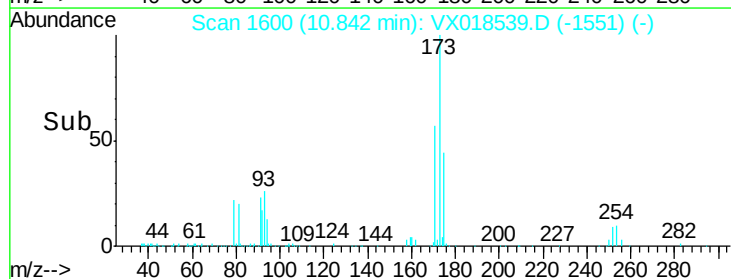
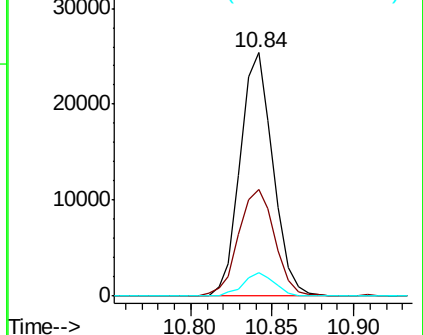
254 9.0 7.5 11.3

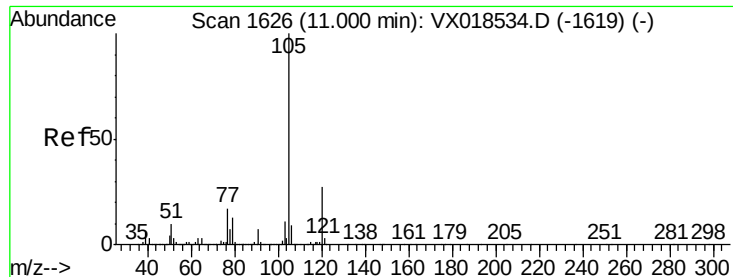


Abundance Ion 172.90 (172.60 to 173.60): VX018539.D (-1551) (-)

Ion 174.90 (174.60 to 175.60): VX018539.D (-1551) (-)

Ion 253.75 (253.45 to 254.45): VX018539.D (-1551) (-)





#60

Isopropylbenzene

Concen: 5.121 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

VSTD005309

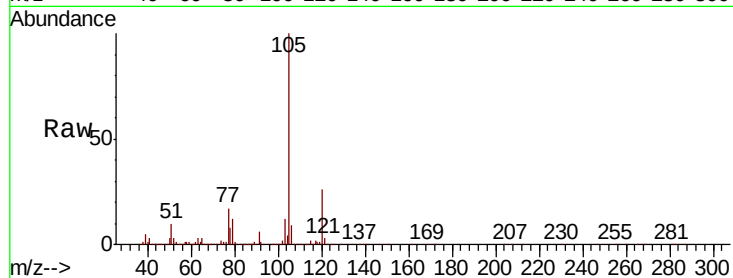
Tot Ion:105 Resp: 299200

Ion Ratio Lower Upper

105 100

120 26.7 21.8 32.8

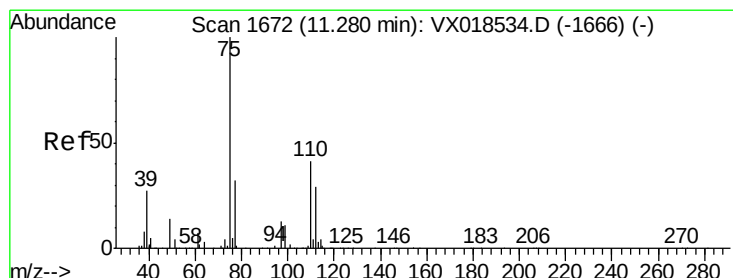
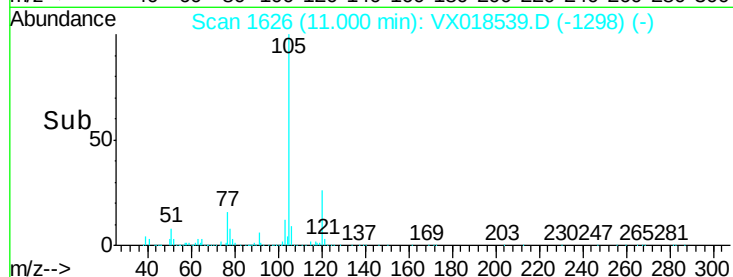
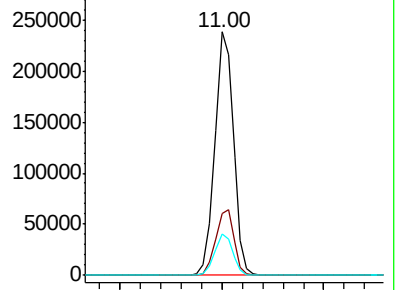
77 16.6 13.1 19.7



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: 4.794 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

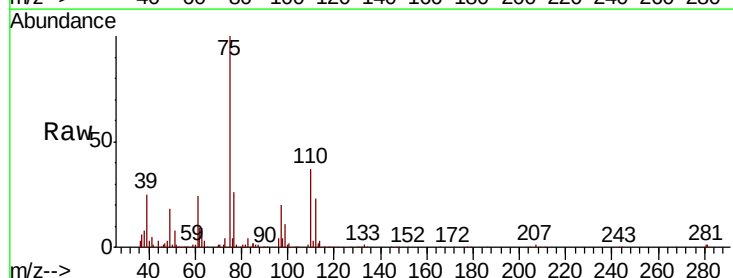
Tgt Ion: 75 Resp: 41893

Ion Ratio Lower Upper

75 100

77 30.6 27.1 40.7

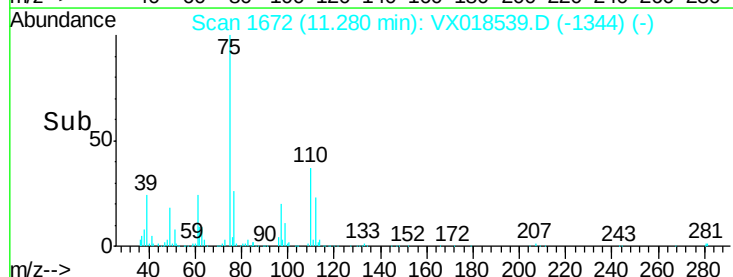
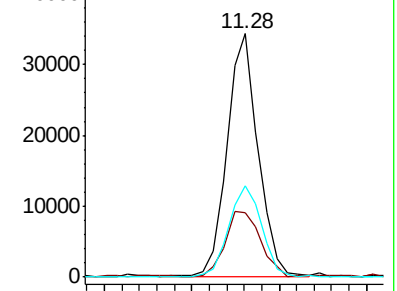
110 40.5 32.4 48.6

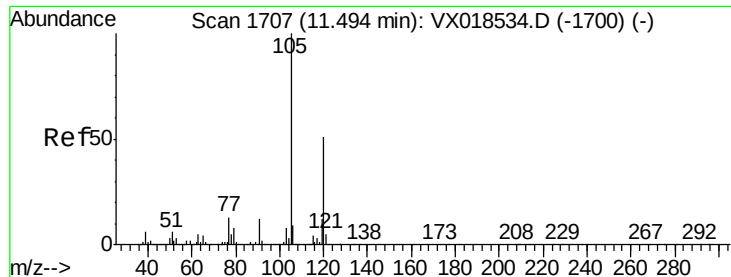


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.117 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

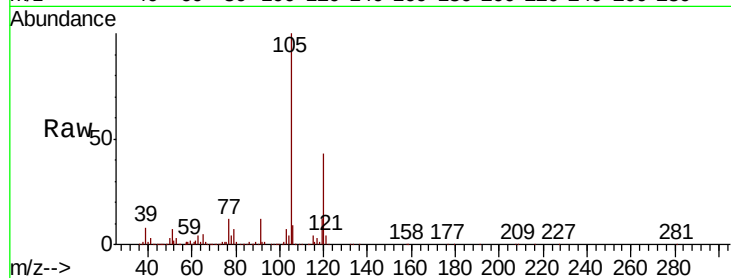
VSTD005309

Tot Ion:105 Resp: 242652

Ion Ratio Lower Upper

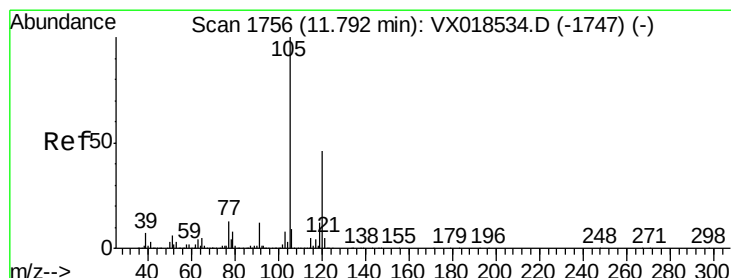
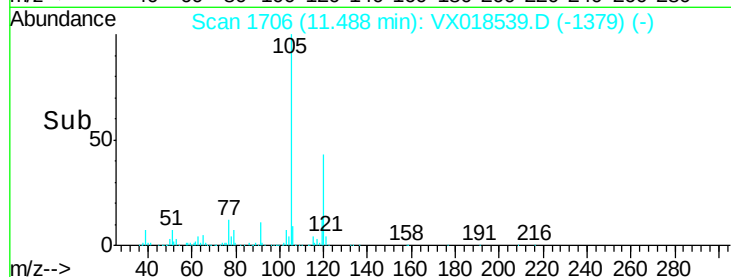
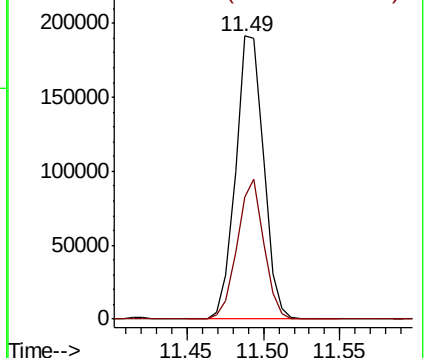
105 100

120 47.1 39.3 58.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.163 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018539.D

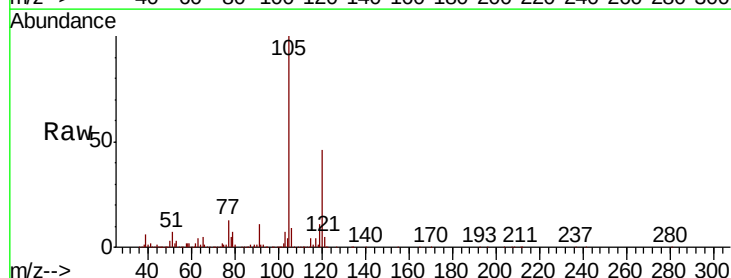
Acq: 23 Sep 2020 15:48

Tgt Ion:105 Resp: 248735

Ion Ratio Lower Upper

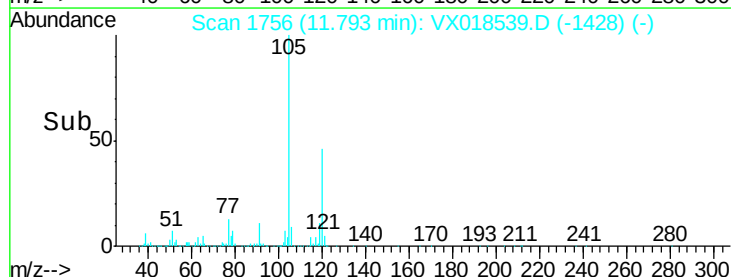
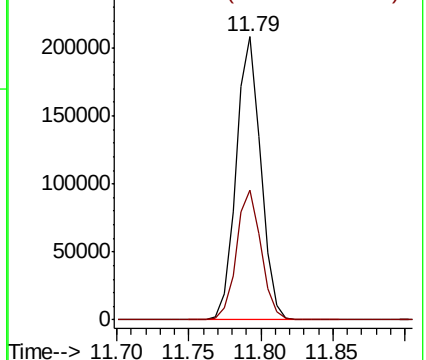
105 100

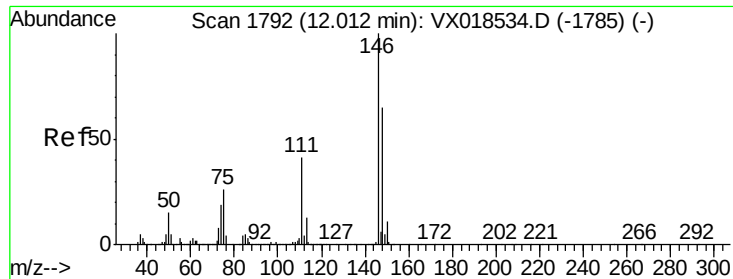
120 46.0 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

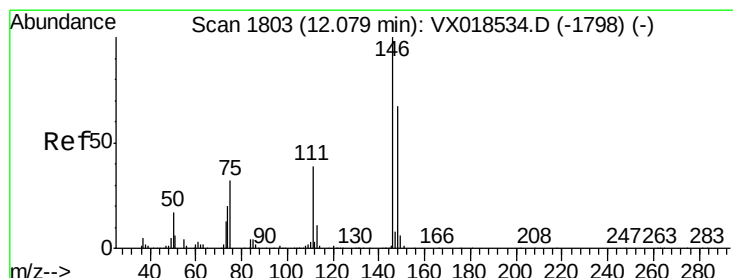
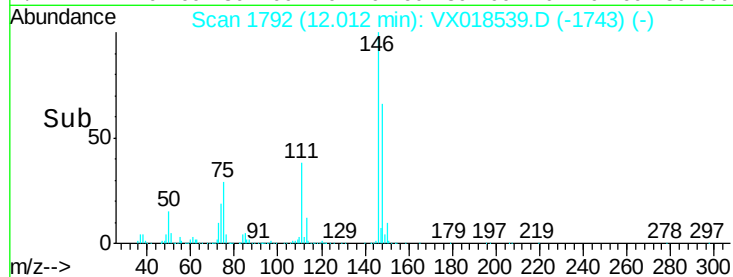
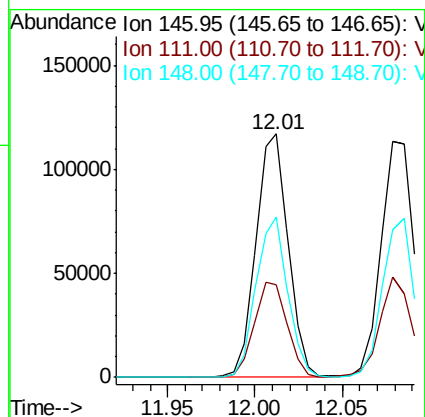
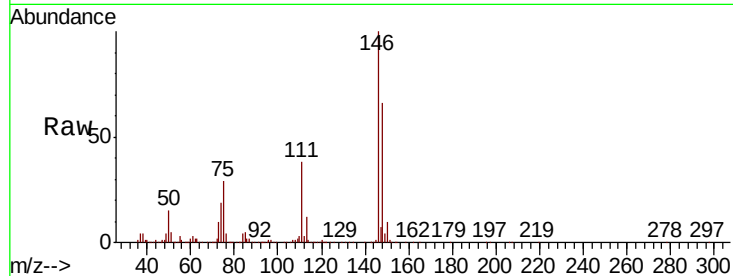




#64
 1,3-Dichlorobenzene
 Concen: 5.037 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

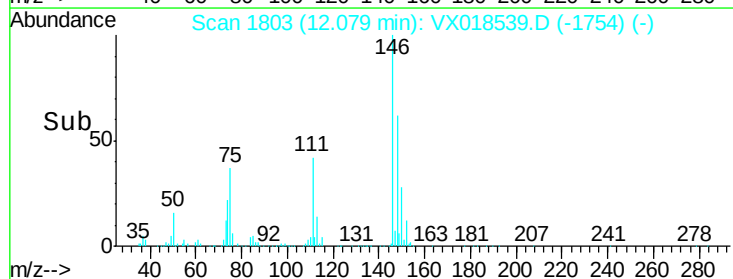
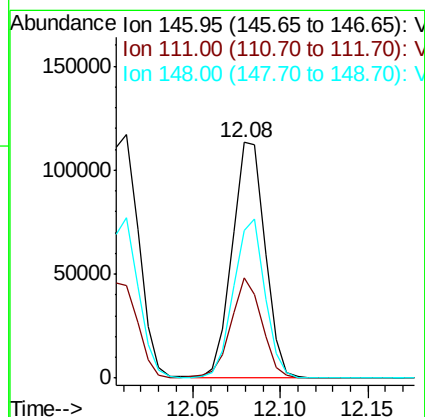
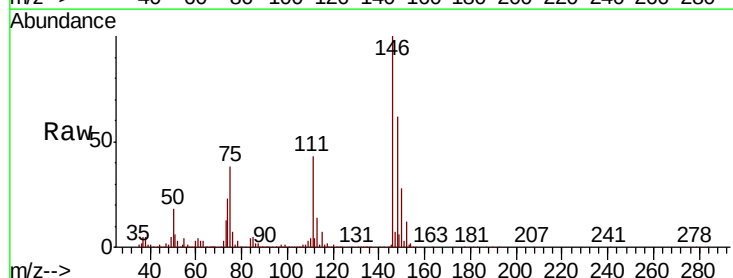
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

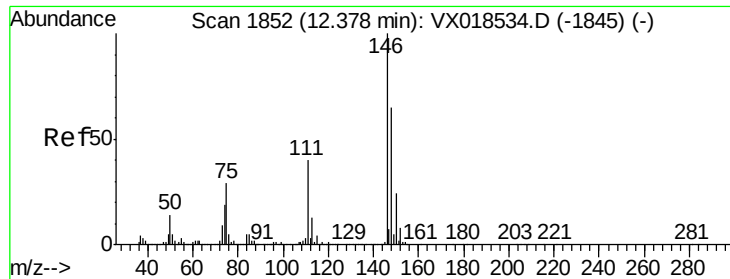
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	25.7	47.7
148	66.0	44.9	83.3



#65
 1,4-Dichlorobenzene
 Concen: 4.882 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	27.9	51.9
148	62.5	45.0	83.6

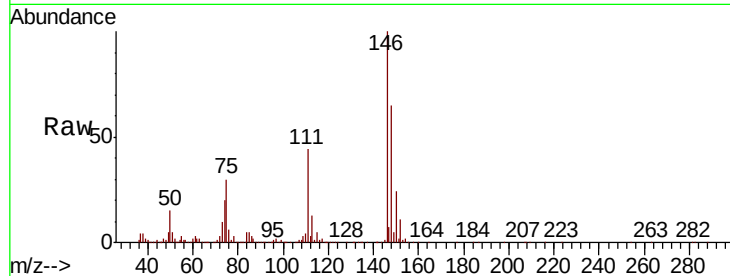




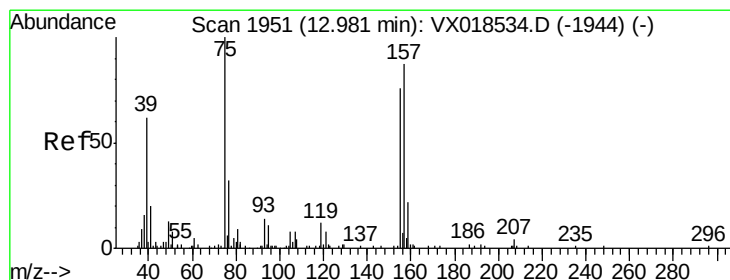
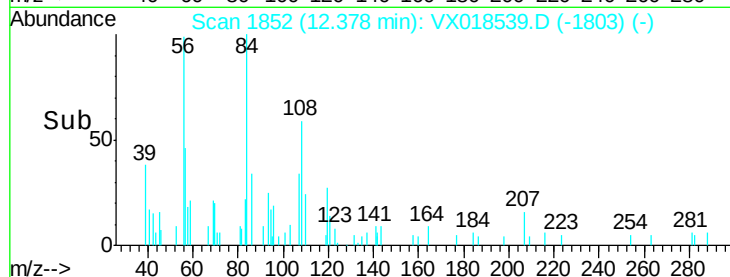
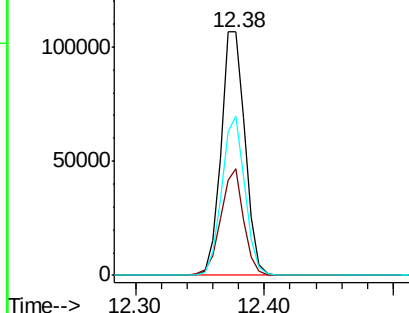
#67
 1,2-Dichlorobenzene
 Concen: 5.040 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.6	45.8
148	65.2	53.5	80.3

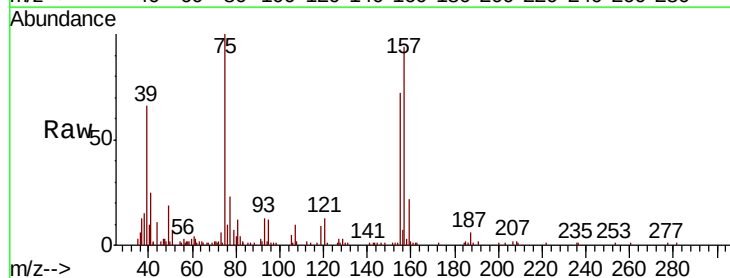


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

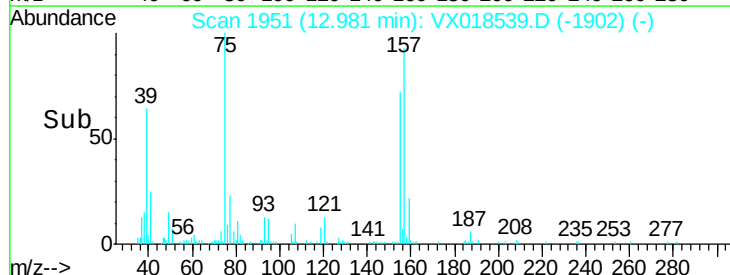
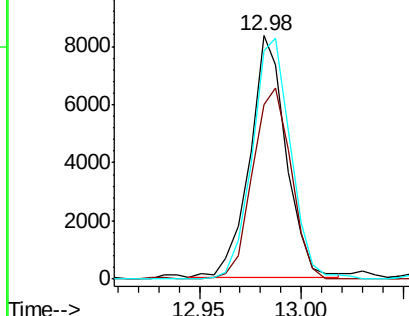


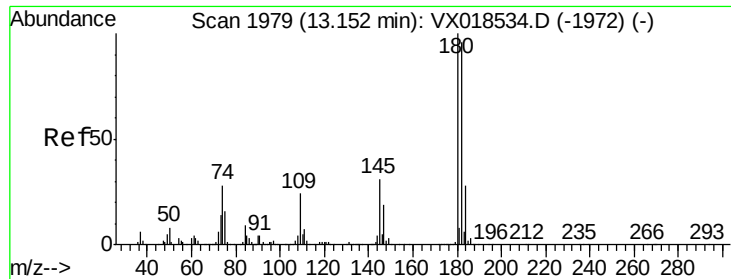
#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.277 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	71.1	106.7
157	93.9	83.5	125.3



Abundance Ion 75.05 (74.75 to 75.75): VX0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

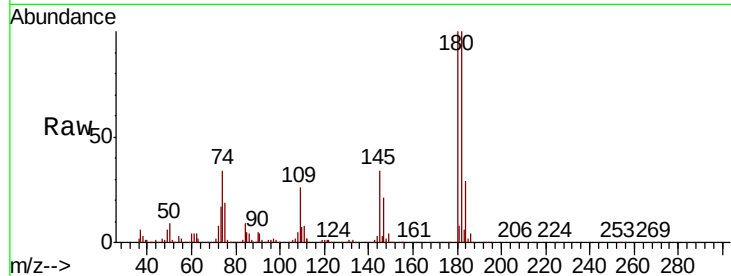




#69
 1,3,5-Trichlorobenzene
 Concen: 4.766 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	74.3	111.5
184	29.5	24.6	37.0
145	32.5	24.6	37.0

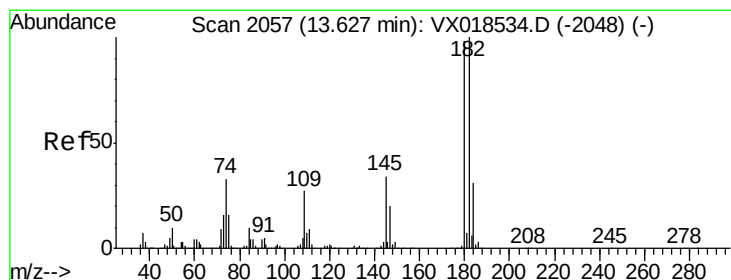
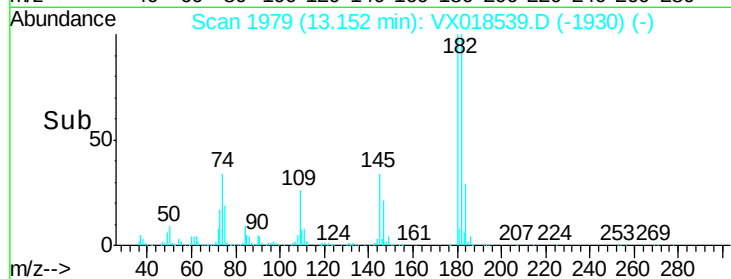
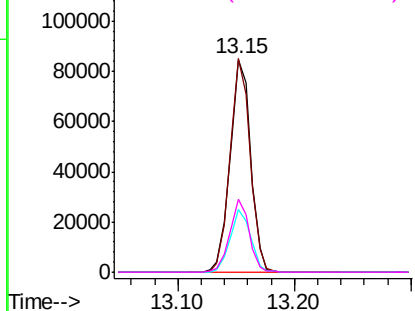


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

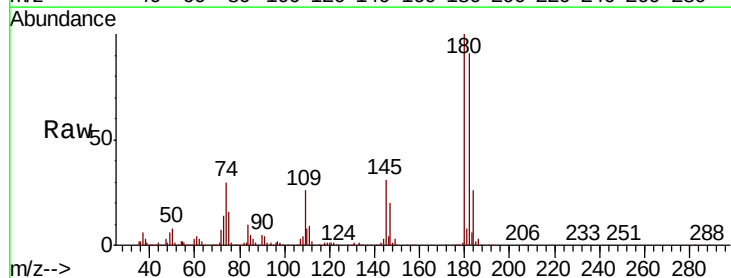
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.838 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018539.D
 Acq: 23 Sep 2020 15:48

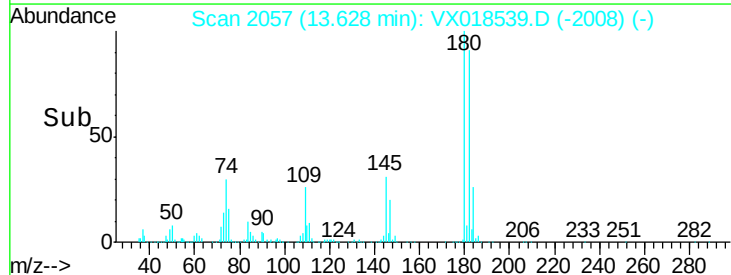
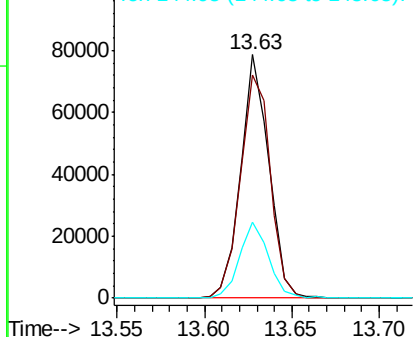
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.7	112.1
145	32.4	26.6	39.8

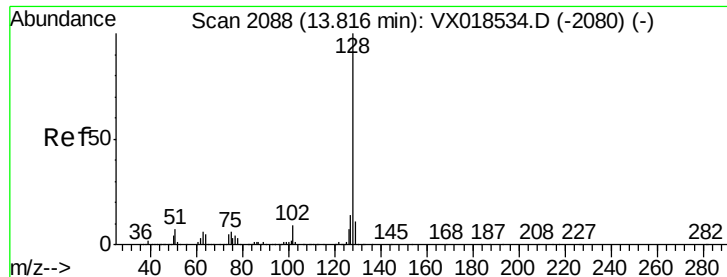


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 4.921 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

Instrument :

MSVOA_X

ClientSampleId :

VSTD005309

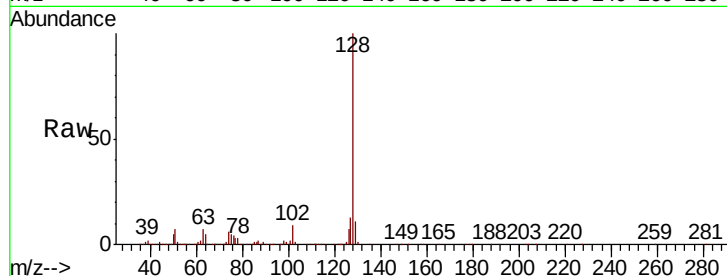
Tot Ion:128 Resp: 148788

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

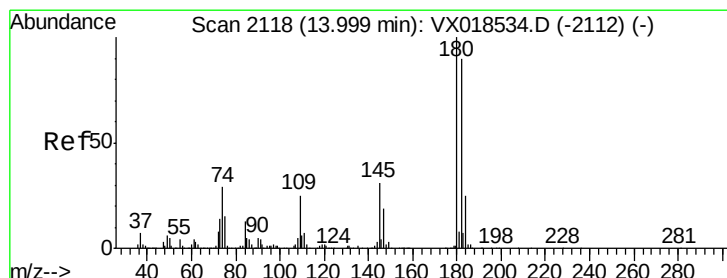
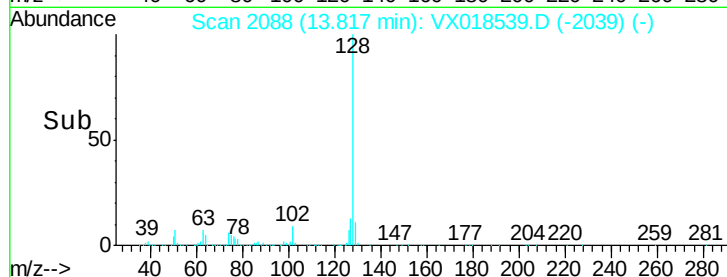
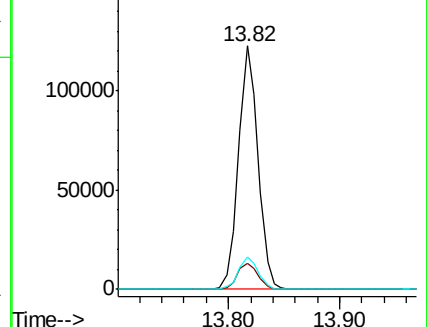
127 13.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.047 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018539.D

Acq: 23 Sep 2020 15:48

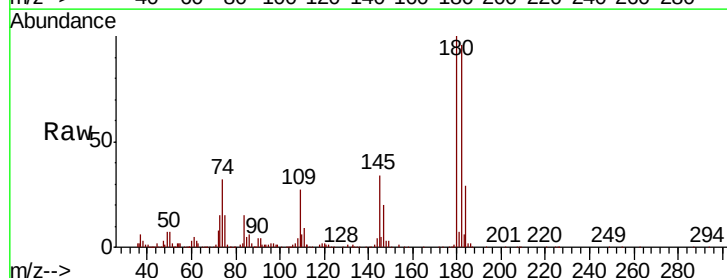
Tgt Ion:180 Resp: 83034

Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

145 33.5 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

