

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
 Data File : VX018831.D
 Acq On : 07 Oct 2020 23:38
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

Quant Time: Oct 08 01:21:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 01:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	133508	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	130740	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	66413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44152	5.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.20%
7) Chloroethane-d5	1.70	69	35682	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.34	63	94730	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	4.56	46	115828	56.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.24%
24) Chloroform-d	5.14	84	96963	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	6.03	65	53998	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	6.05	84	172737	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	7.37	67	49714	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	8.70	98	163121	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
45) trans-1,3-Dichloropropene-	8.99	79	23530	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
48) 2-Hexanone-d5	9.43	63	96038	56.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.40%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	40555	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	60917	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	41284	4.606	ug/L 99
3) Chloromethane	1.31	50	33210	5.143	ug/L 98
5) Vinyl chloride	1.39	62	36031	5.002	ug/L 93
6) Bromomethane	1.64	94	19496	4.567	ug/L 97
8) Chloroethane	1.72	64	23037	5.272	ug/L 98
9) Trichlorofluoromethane	1.92	101	72048	4.687	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	37552	5.009	ug/L 98
12) 1,1-Dichloroethene	2.36	96	35776	5.379	ug/L 88
13) Acetone	2.46	43	55856	50.013	ug/L 97
14) Carbon disulfide	2.55	76	99462	4.779	ug/L 99
15) Methyl Acetate	2.76	43	13550	4.936	ug/L 99
16) Methylene chloride	2.83	84	37001	4.588	ug/L 97
17) Methyl tert-butyl Ether	3.17	73	84970	4.954	ug/L 98
18) trans-1,2-Dichloroethene	3.14	96	35428	4.975	ug/L 97
19) 1,1-Dichloroethane	3.67	63	65757	5.194	ug/L 97
21) 2-Butanone	4.66	43	91044	55.998	ug/L 95
22) cis-1,2-Dichloroethene	4.56	96	37422	5.096	ug/L # 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

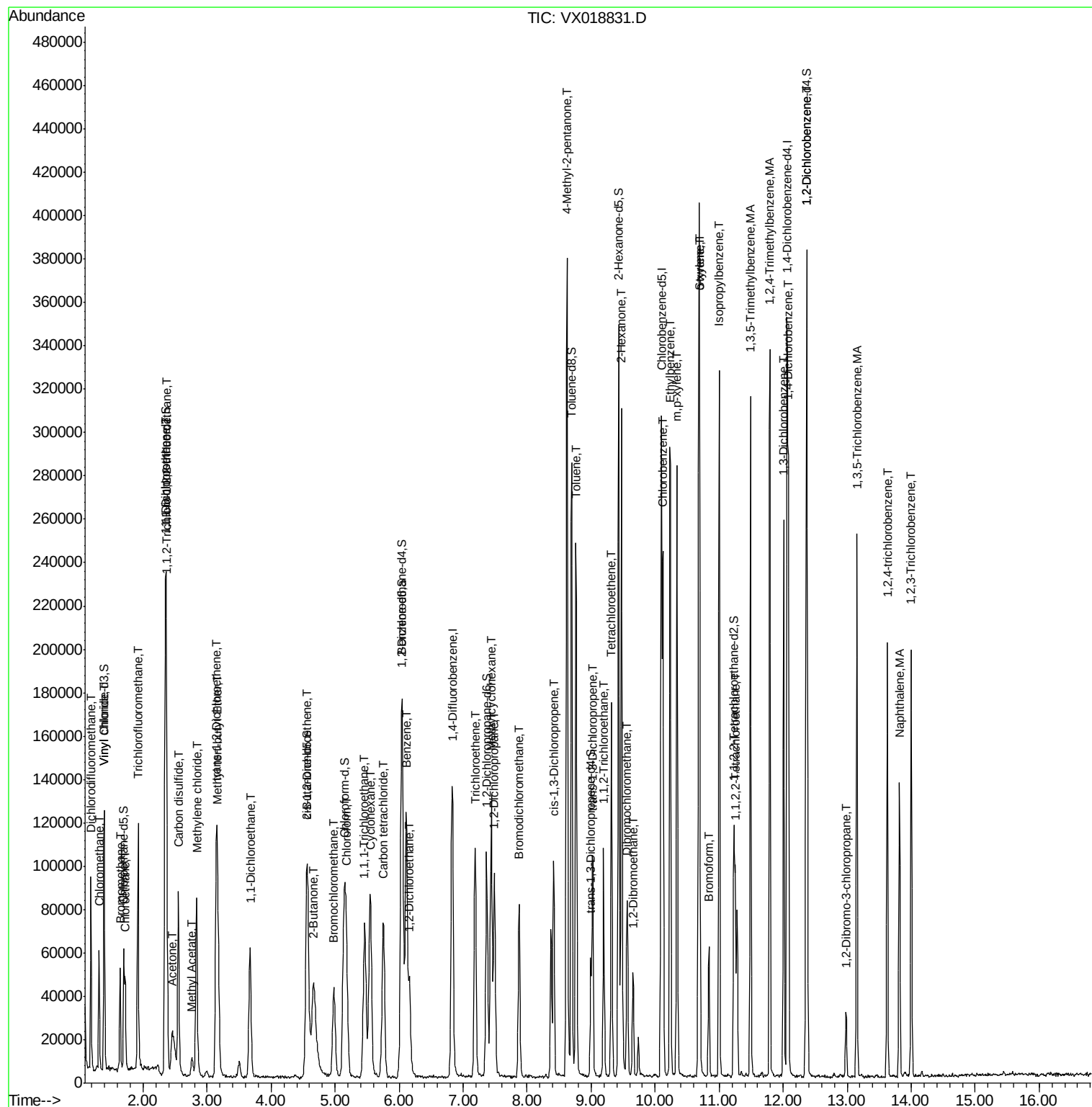
23) Bromochloromethane	4.98	128	18103	4.862	ug/L	94
25) Chloroform	5.18	83	72976	5.044	ug/L	96
27) 1,2-Dichloroethane	6.17	62	49331	4.694	ug/L #	95
29) 1,1,1-Trichloroethane	5.46	97	70536	4.561	ug/L	98
30) Cyclohexane	5.55	56	52832	4.925	ug/L	97
31) Carbon tetrachloride	5.75	117	65546	4.595	ug/L	99
33) Benzene	6.11	78	141637	5.173	ug/L	100
34) Trichloroethene	7.19	95	38028	4.704	ug/L	98
35) Methylcyclohexane	7.44	83	53198	4.644	ug/L	96
37) 1,2-Dichloropropane	7.49	63	35695	5.204	ug/L	98
38) Bromodichloromethane	7.87	83	51884	4.743	ug/L #	96
39) cis-1,3-Dichloropropene	8.42	75	51700	4.722	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	219751	55.305	ug/L	99
42) Toluene	8.76	91	152221	5.081	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	134353	4.738	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	138827	4.824	ug/L	96
46) trans-1,3-Dichloropropene	9.02	75	48828	4.831	ug/L	96
47) 1,1,2-Trichloroethane	9.20	97	26920	5.201	ug/L	97
49) Tetrachloroethene	9.32	164	31949	4.521	ug/L	96
50) 2-Hexanone	9.48	43	163187	56.546	ug/L	98
51) Dibromochloromethane	9.57	129	35901	4.772	ug/L	98
52) 1,2-Dibromoethane	9.65	107	25218	4.819	ug/L #	89
53) Chlorobenzene	10.12	112	101114	4.934	ug/L	92
54) Ethylbenzene	10.23	91	166469	4.957	ug/L	100
55) m,p-xylene	10.34	106	63239	4.828	ug/L	90
56) o-xylene	10.68	106	61492	5.080	ug/L	95
57) Styrene	10.70	104	104822	5.076	ug/L	92
58) Isopropylbenzene	11.00	105	166451	4.911	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	32458	5.657	ug/L	98
62) Bromoform	10.84	173	21171	4.823	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	83376	5.165	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	82408	5.119	ug/L	99
66) 1,2-Dichlorobenzene	12.37	146	77825	5.164	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.98	75	5969	4.647	ug/L	89
68) 1,3,5-Trichlorobenzene	13.15	180	58235	4.687	ug/L	99
69) 1,2,4-trichlorobenzene	13.63	180	46165	4.475	ug/L	98
70) Naphthalene	13.82	128	80304	4.763	ug/L	99
71) 1,2,3-Trichlorobenzene	14.00	180	46294	4.988	ug/L	99

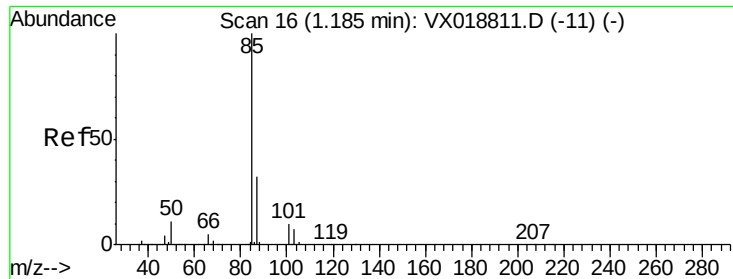
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.606 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampled :

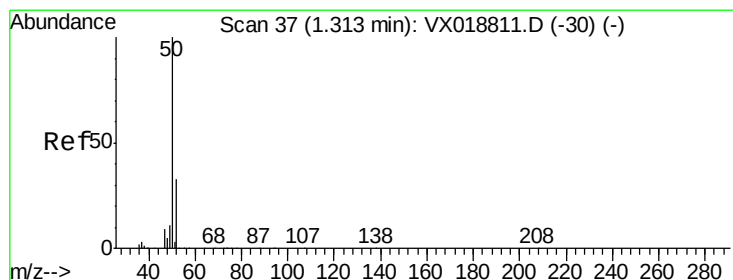
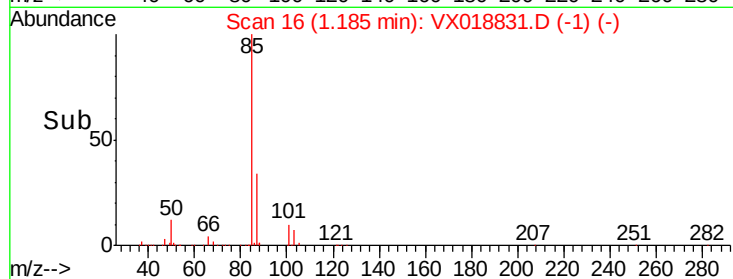
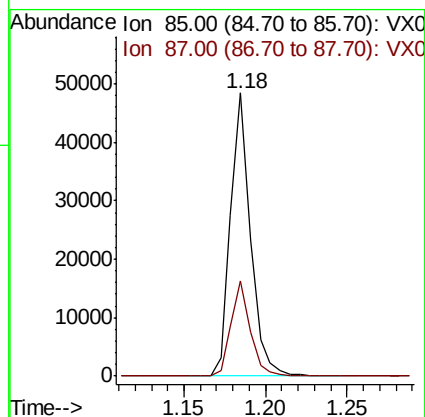
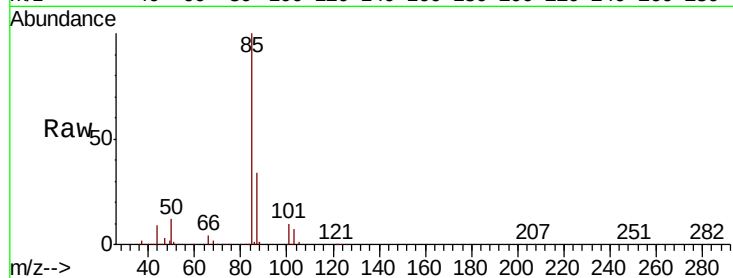
VSTD00598

Tot Ion: 85 Resp: 41284

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.0



#3

Chloromethane

Concen: 5.143 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018831.D

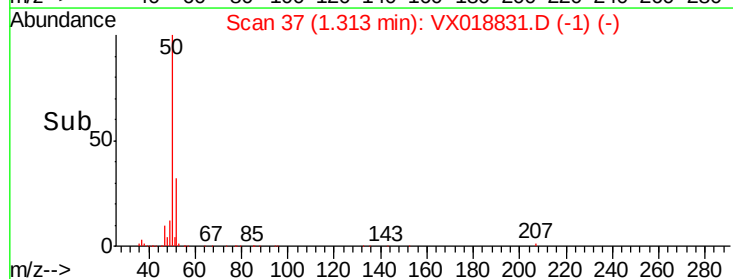
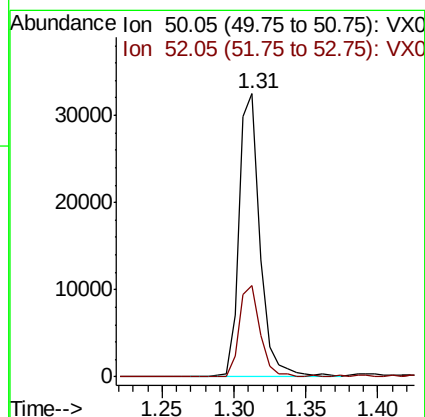
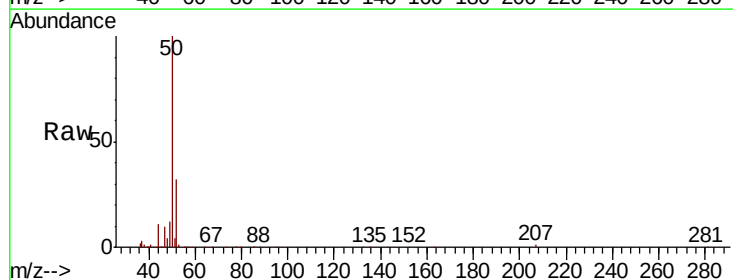
Acq: 07 Oct 2020 23:38

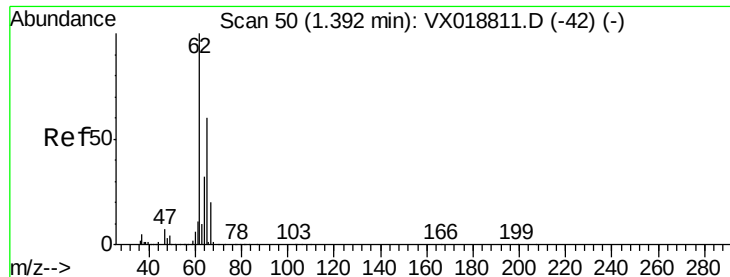
Tgt Ion: 50 Resp: 33210

Ion Ratio Lower Upper

50 100

52 32.3 23.4 43.6





#5

Vinyl chloride

Concen: 5.002 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

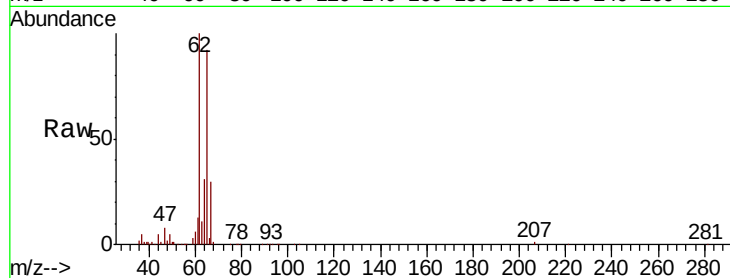
VSTD00598

Tot Ion: 62 Resp: 36031

Ion Ratio Lower Upper

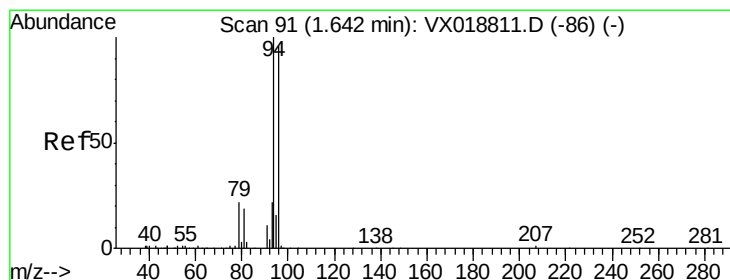
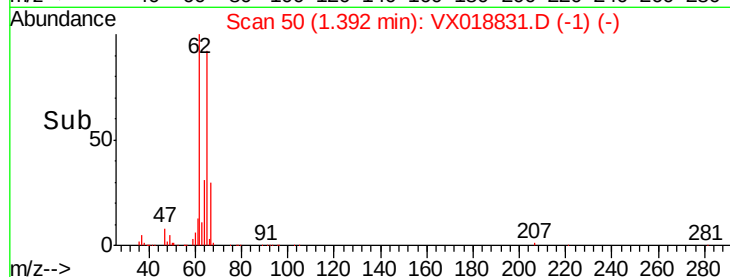
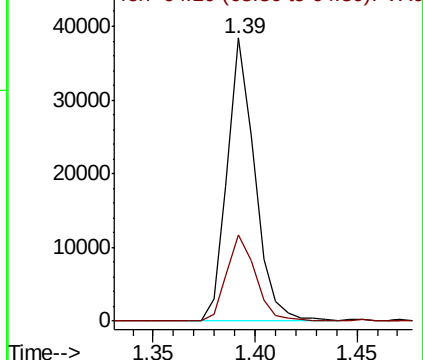
62 100

64 30.5 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 4.567 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018831.D

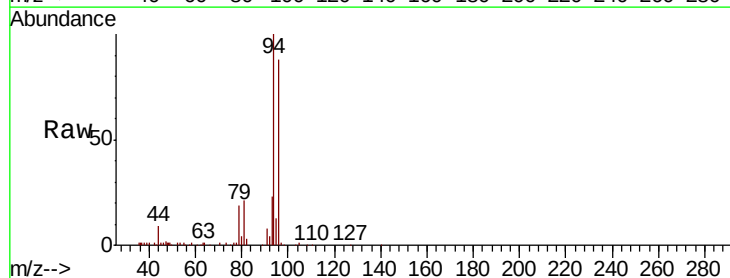
Acq: 07 Oct 2020 23:38

Tgt Ion: 94 Resp: 19496

Ion Ratio Lower Upper

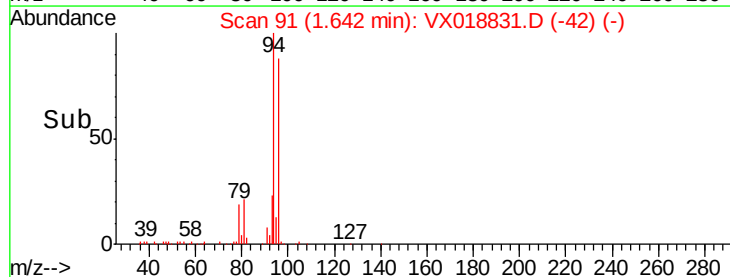
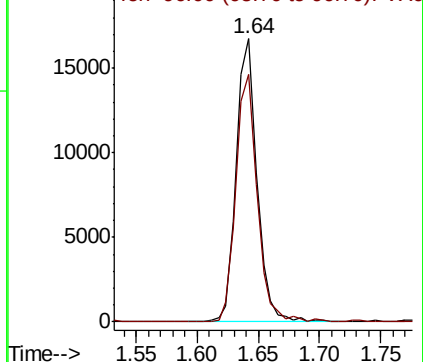
94 100

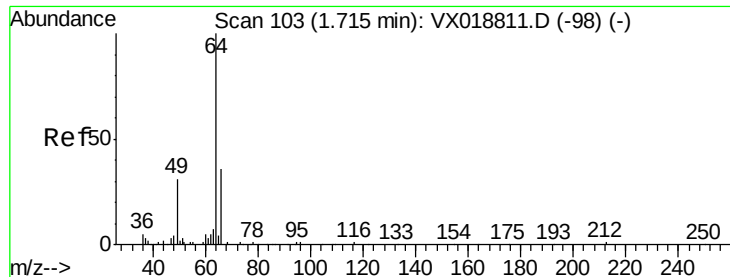
96 87.6 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 5.272 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

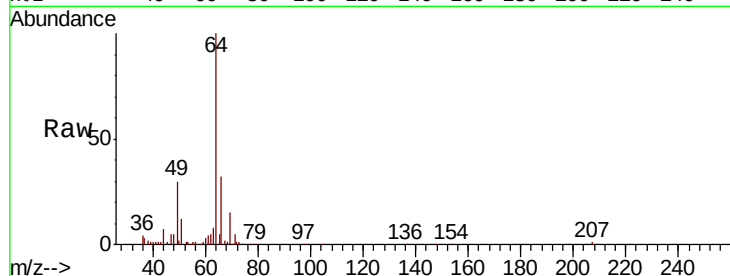
VSTD00598

Tot Ion: 64 Resp: 23037

Ion Ratio Lower Upper

64 100

66 31.6 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VX018831.D (-98) (-)

Ion 66.05 (65.75 to 66.75): VX018831.D (-98) (-)

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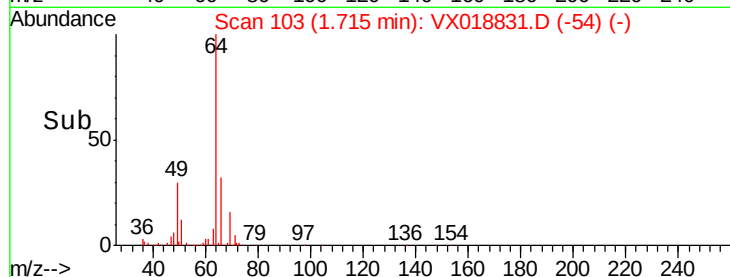
1.72

1.72

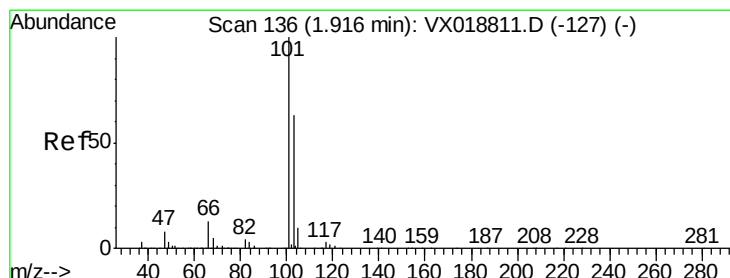
1.72

1.72

1.72



Time-->



#9

Trichlorofluoromethane

Concen: 4.687 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018831.D

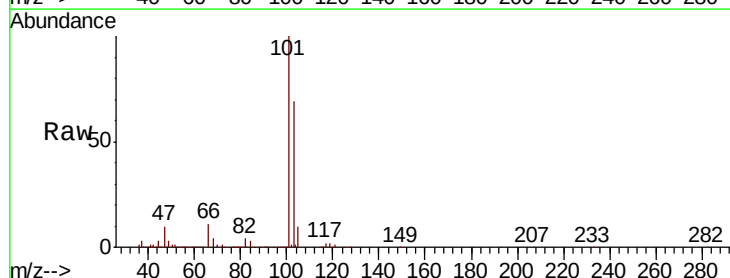
Acq: 07 Oct 2020 23:38

Tgt Ion: 101 Resp: 72048

Ion Ratio Lower Upper

101 100

103 65.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VX018831.D (-127) (-)

Ion 103.00 (102.70 to 103.70): VX018831.D (-127) (-)

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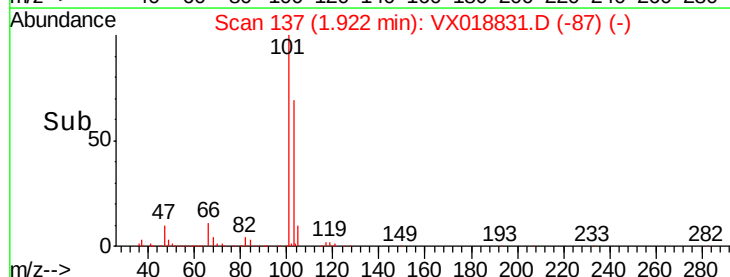
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1.92

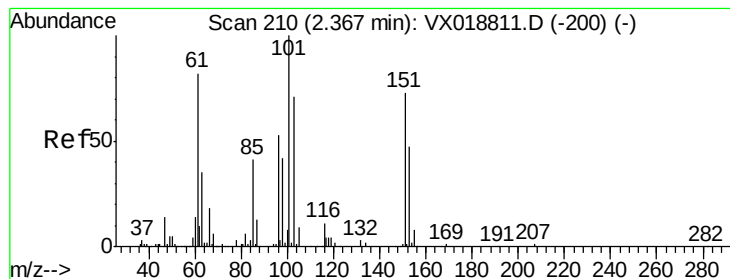
1.92

1.92

1.92



Time-->



#10

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

Concen: 5.009 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

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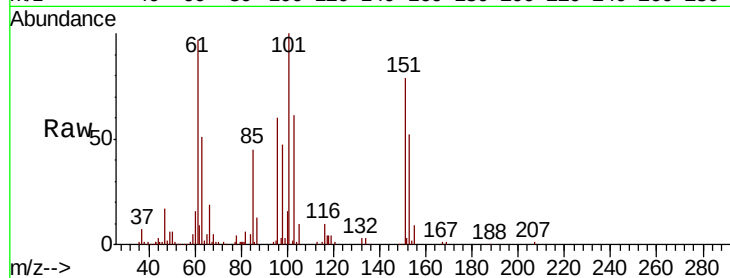
Tot Ion:101 Resp: 37552

Ion Ratio Lower Upper

101 100

85 44.2 37.1 55.7

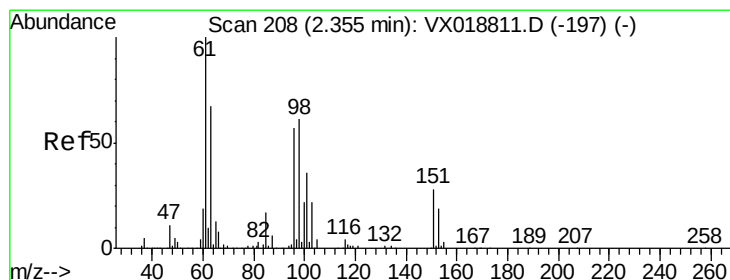
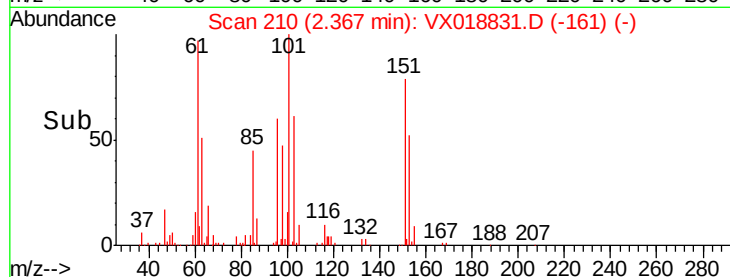
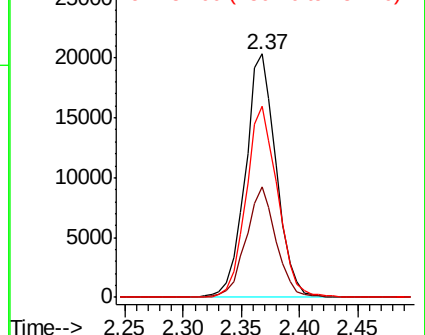
151 80.4 65.0 97.6



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: 5.379 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

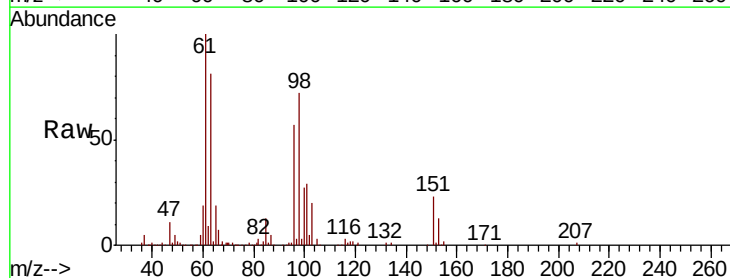
Tgt Ion: 96 Resp: 35776

Ion Ratio Lower Upper

96 100

61 176.8 133.2 247.4

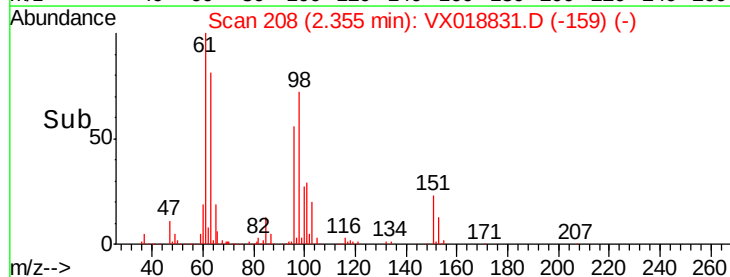
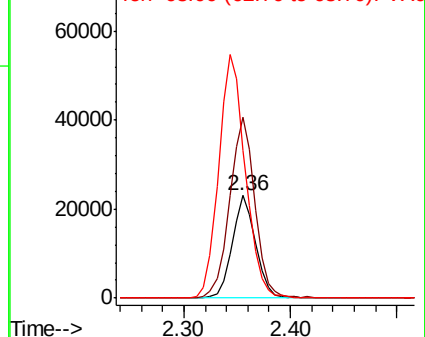
63 143.6 115.1 213.7

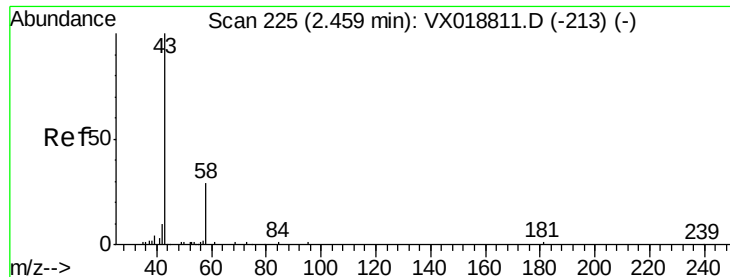


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.013 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.00 min

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ClientSampled :

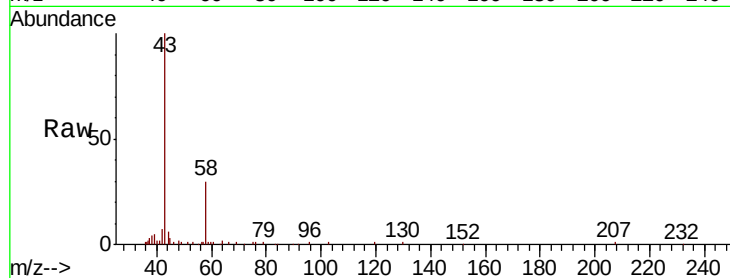
VSTD00598

Tot Ion: 43 Resp: 55856

Ion Ratio Lower Upper

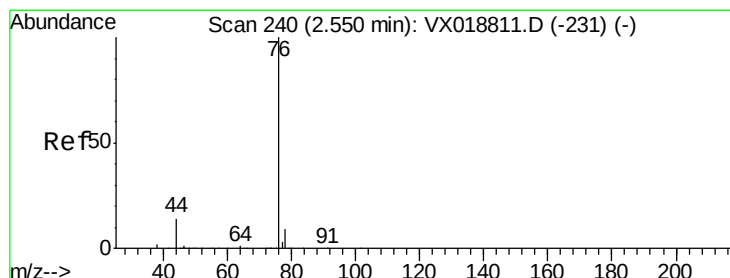
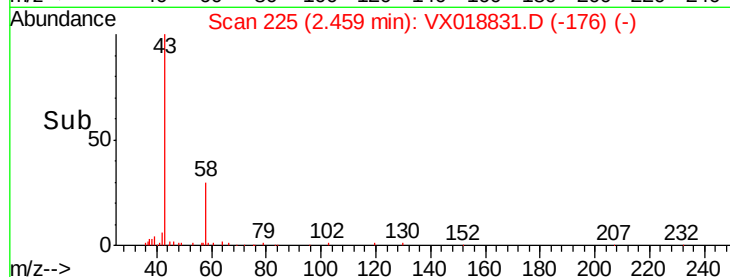
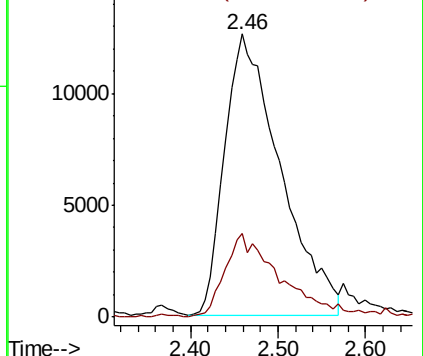
43 100

58 29.7 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 4.779 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018831.D

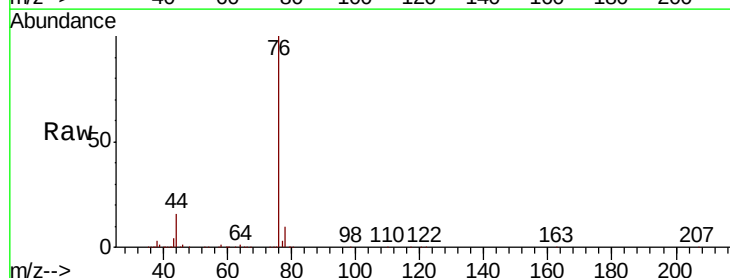
Acq: 07 Oct 2020 23:38

Tgt Ion: 76 Resp: 99462

Ion Ratio Lower Upper

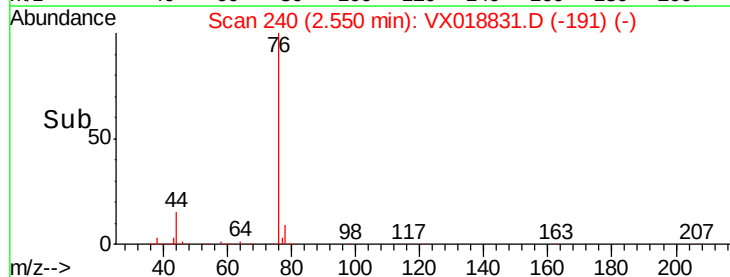
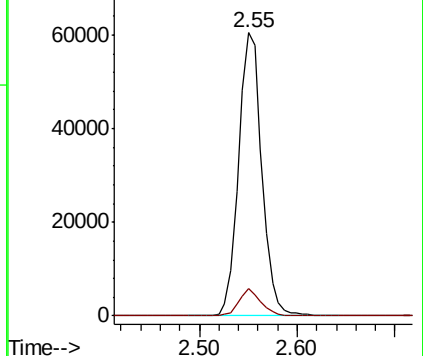
76 100

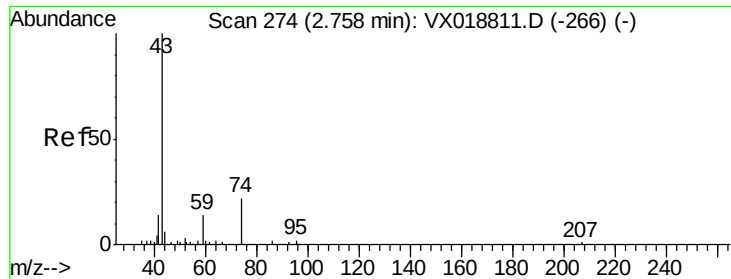
78 9.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

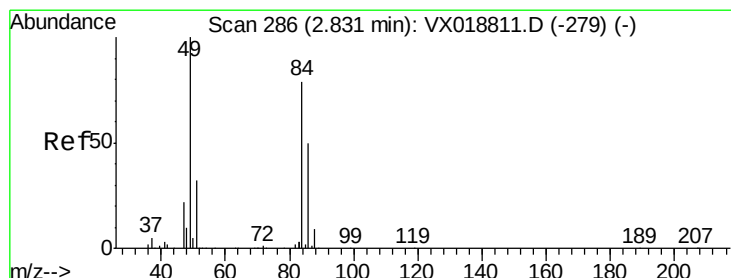
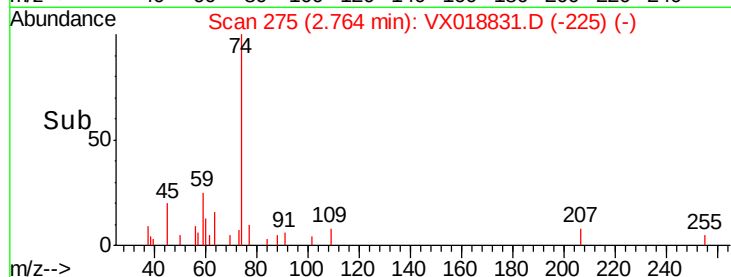
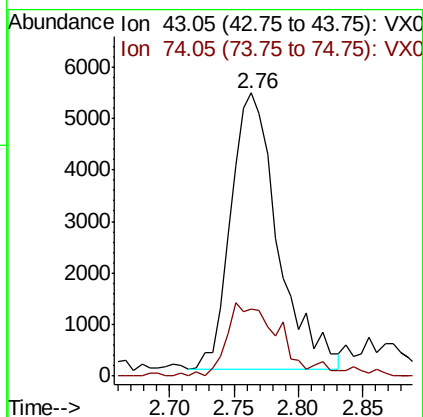
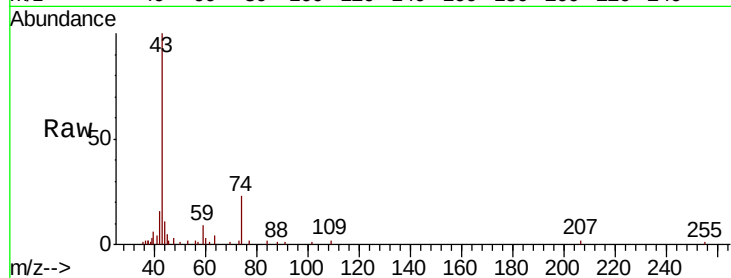




#15
Methyl Acetate
Concen: 4.936 ug/L
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

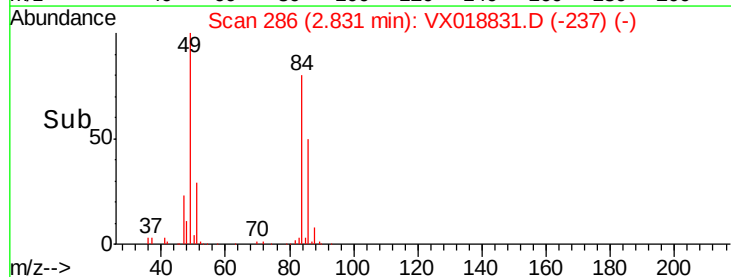
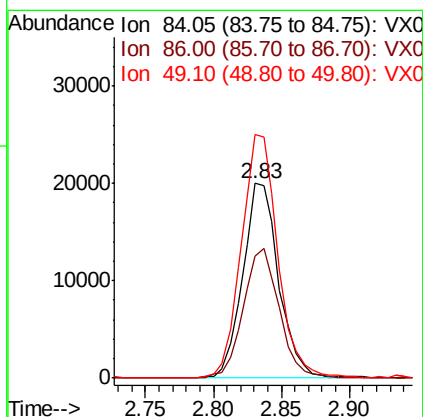
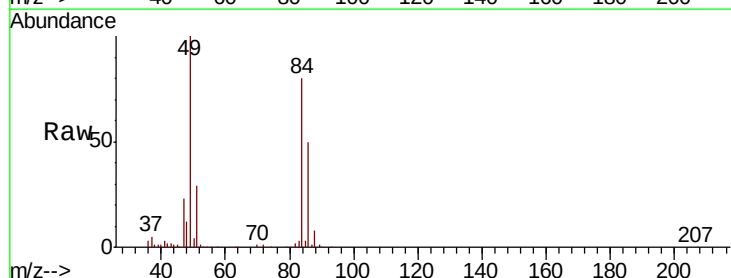
Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

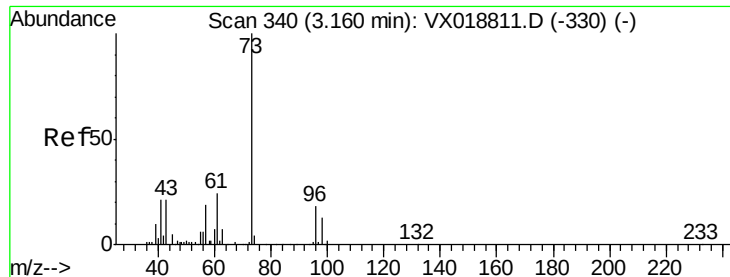
Tot Ion: 43 Resp: 13550
Ion Ratio Lower Upper
43 100
74 27.7 21.9 32.9



#16
Methylene chloride
Concen: 4.588 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion: 84 Resp: 37001
Ion Ratio Lower Upper
84 100
86 62.5 45.6 84.8
49 125.1 85.8 159.3

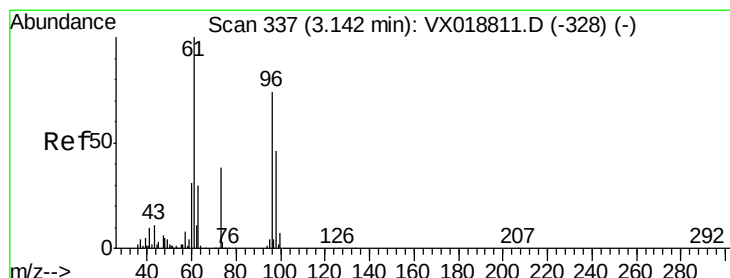
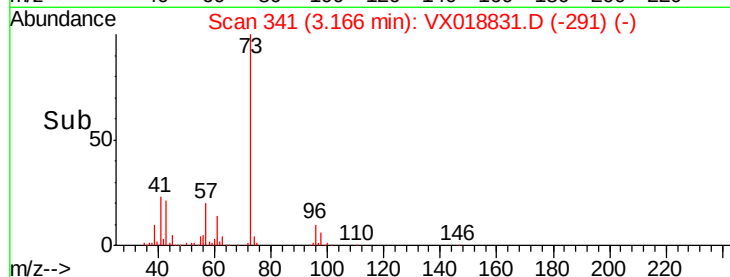
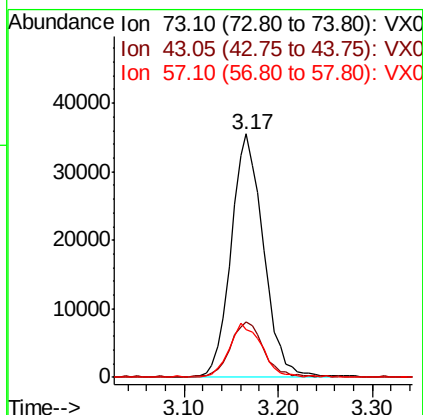
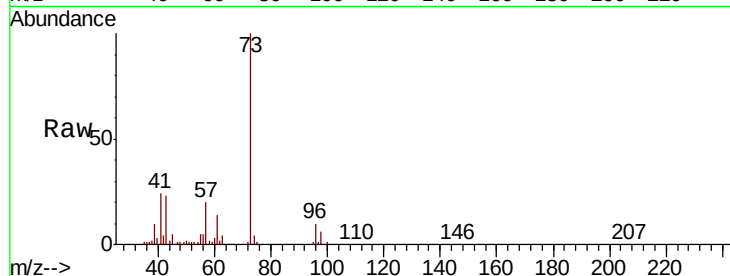




#17
Methyl tert-butyl Ether
Concen: 4.954 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

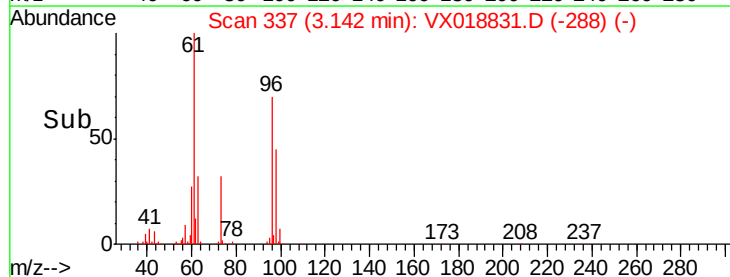
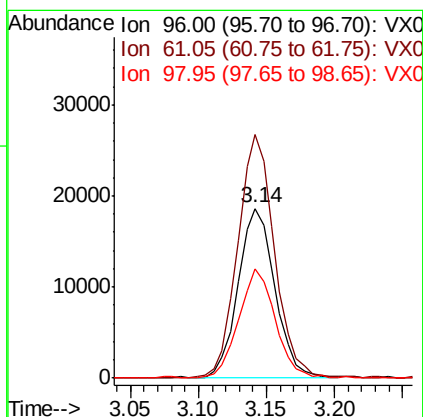
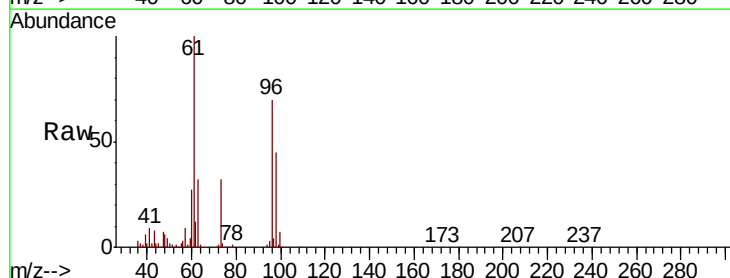
Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

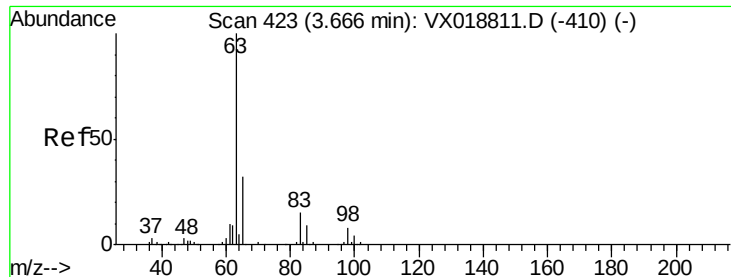
Tot Ion: 73 Resp: 84970
Ion Ratio Lower Upper
73 100
43 23.7 19.4 29.0
57 22.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.975 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion: 96 Resp: 35428
Ion Ratio Lower Upper
96 100
61 143.6 97.6 181.4
98 64.3 43.1 80.1

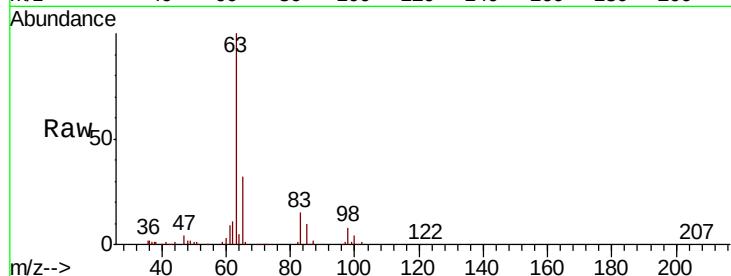




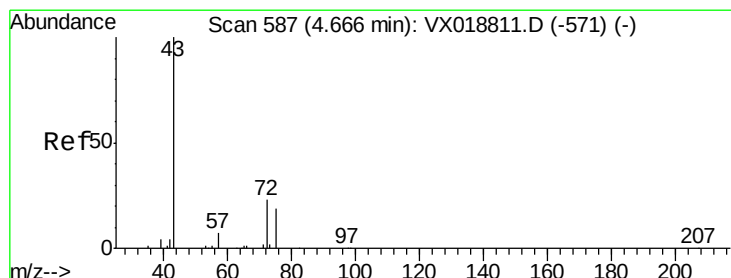
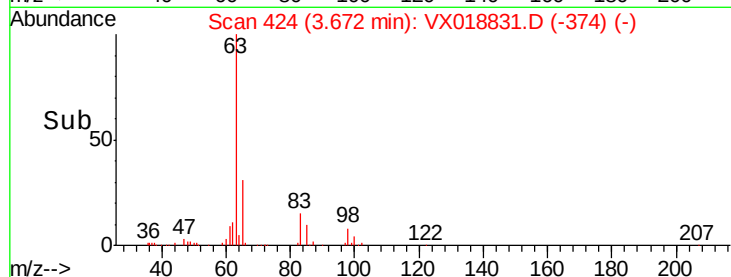
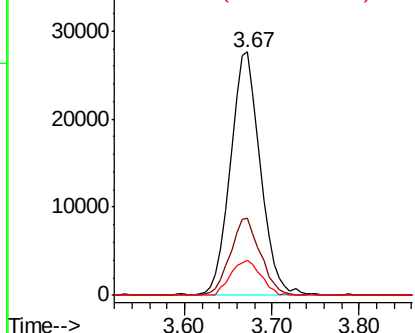
#19
 1,1-Dichloroethane
 Concen: 5.194 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.6	40.2
83	14.5	8.7	16.1

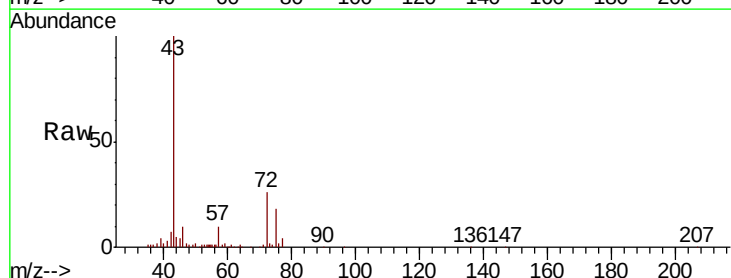


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

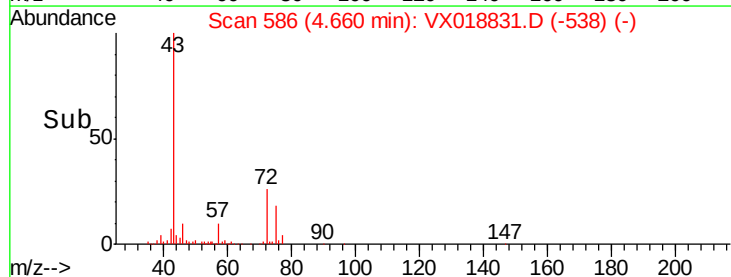
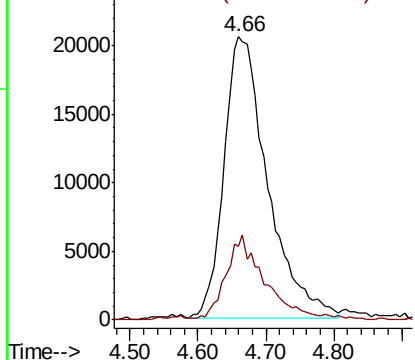


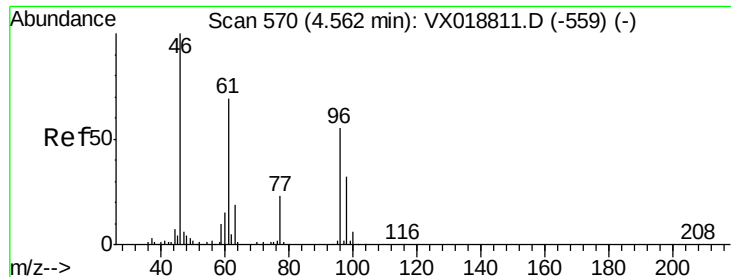
#21
 2-Butanone
 Concen: 55.998 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.5	12.4	37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0





#22

cis-1,2-Dichloroethene

Concen: 5.096 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

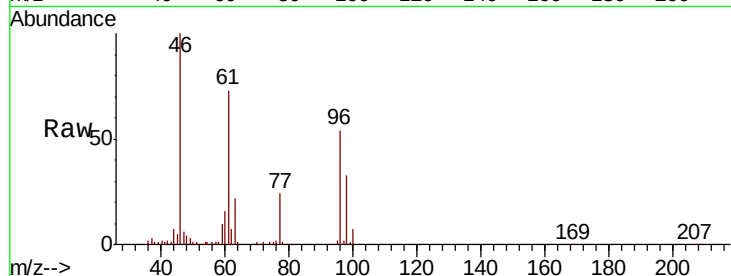
Tot Ion: 96 Resp: 37422

Ion Ratio Lower Upper

96 100

61 133.8 86.2 160.0

68 0.0 0.3 0.7#

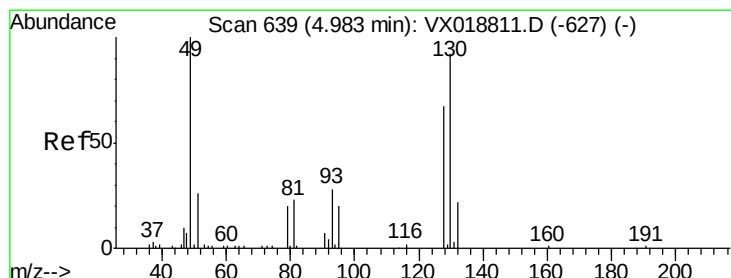
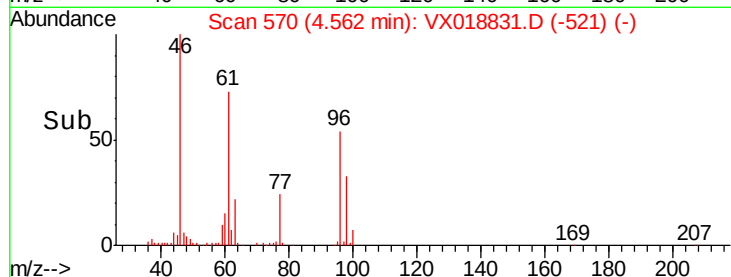
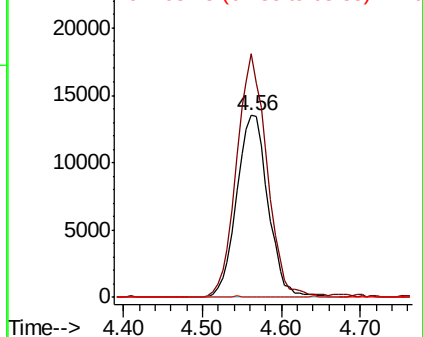


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0



#23

Bromochloromethane

Concen: 4.862 ug/L

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Tgt Ion:128 Resp: 18103

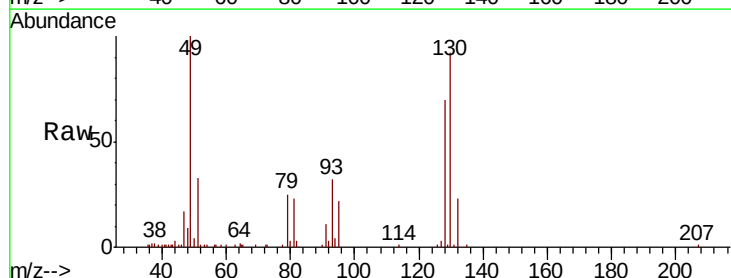
Ion Ratio Lower Upper

128 100

49 143.6 94.5 175.5

130 131.8 88.2 163.8

51 46.9 33.9 50.9



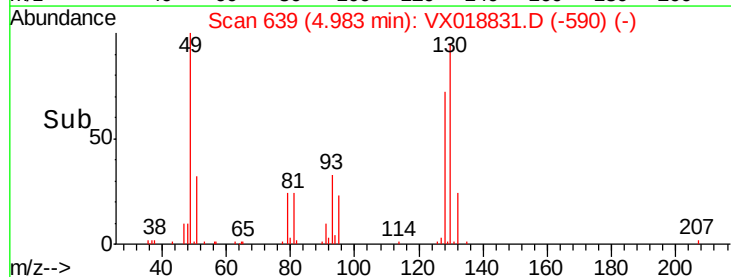
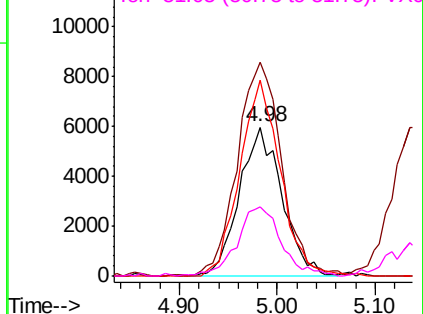
Abundance

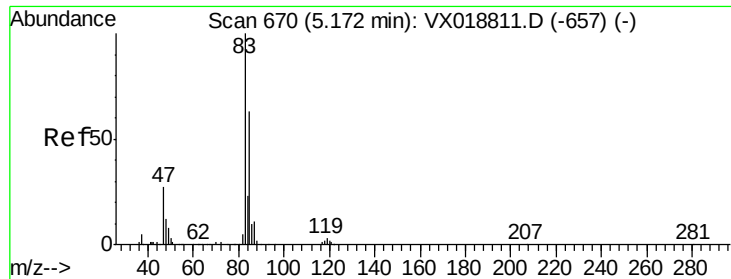
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VX0

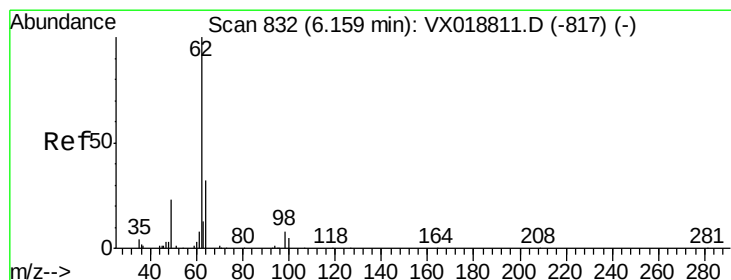
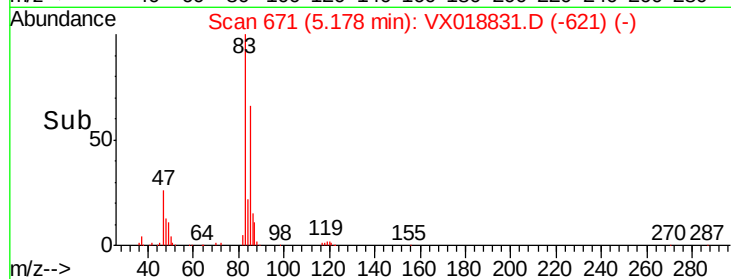
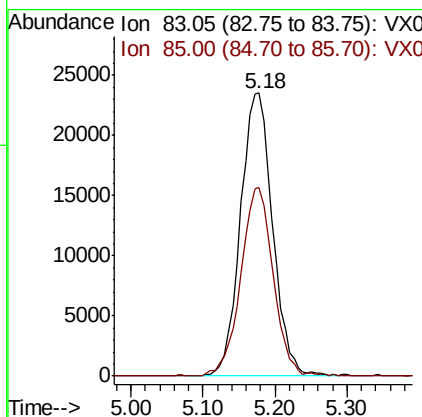
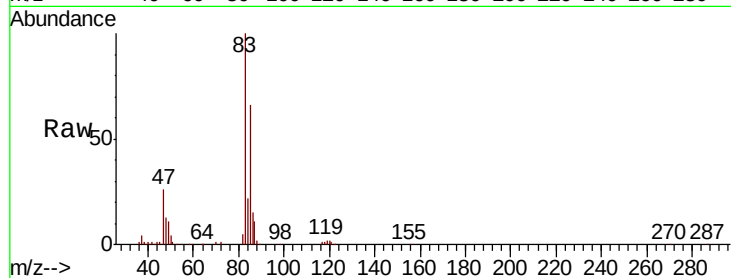




#25
Chloroform
Concen: 5.044 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

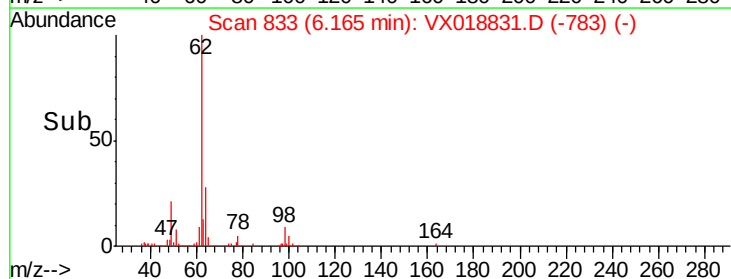
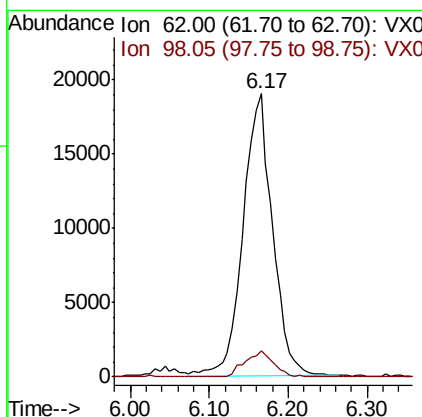
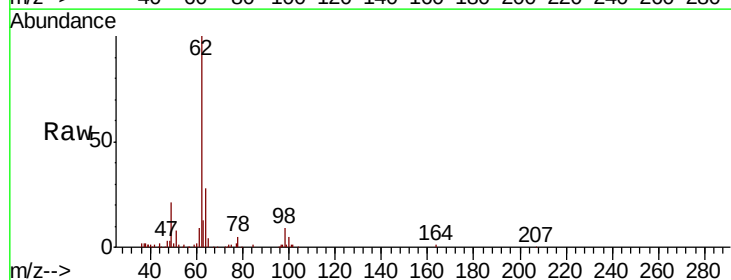
Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

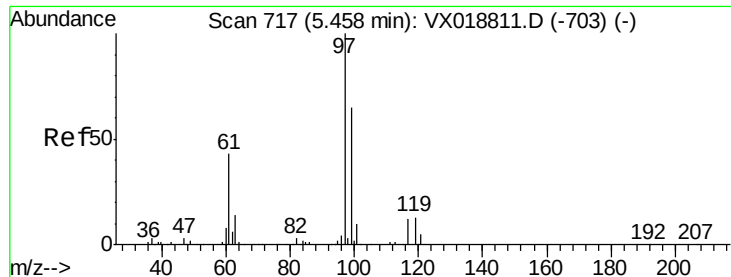
Tot Ion: 83 Resp: 72976
Ion Ratio Lower Upper
83 100
85 66.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.694 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion: 62 Resp: 49331
Ion Ratio Lower Upper
62 100
98 9.1 5.8 8.8#

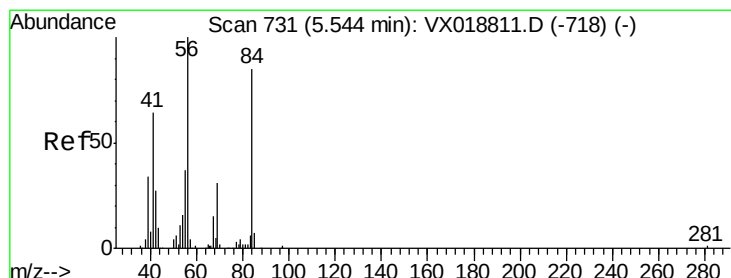
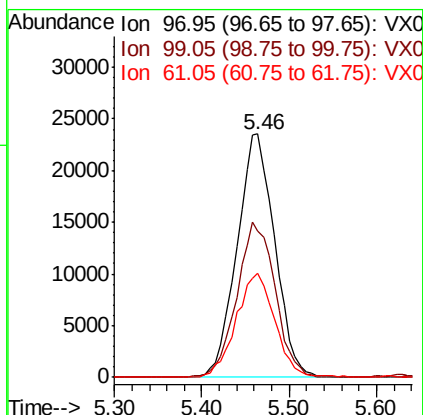
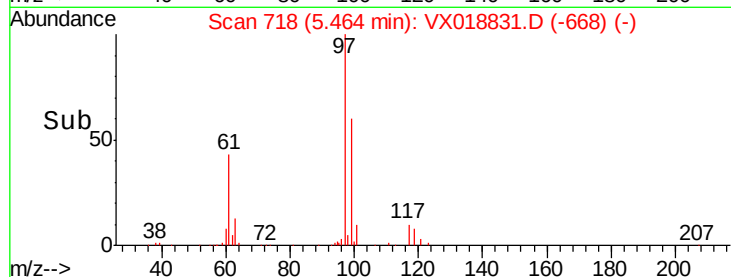
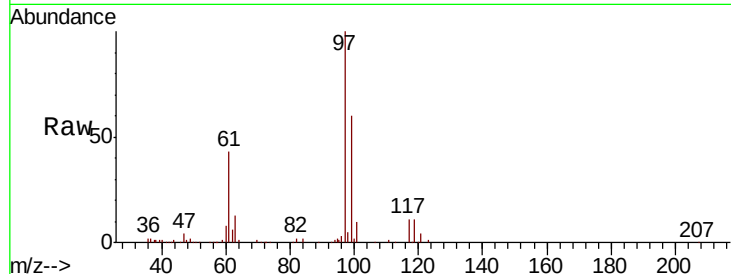




#29
 1,1,1-Trichloroethane
 Concen: 4.561 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

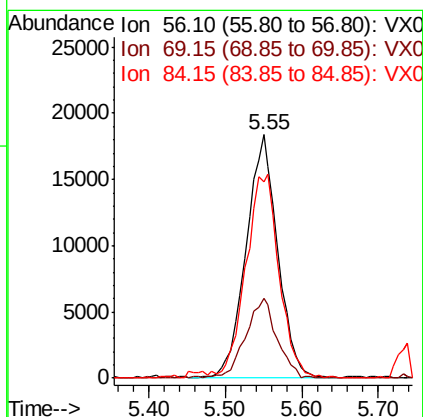
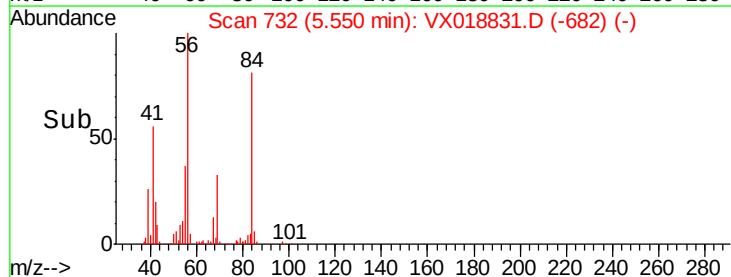
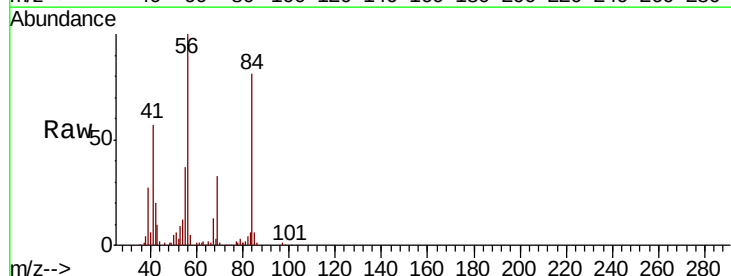
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

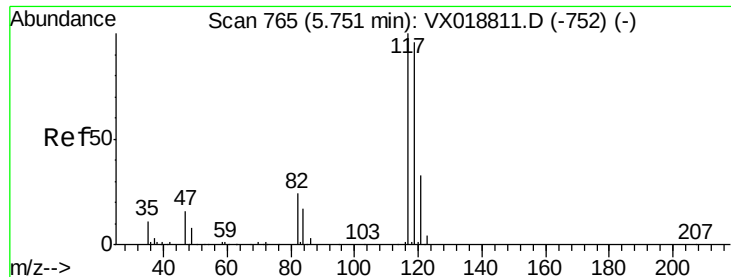
Tot Ion: 97 Resp: 70536
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 43.7 33.3 49.9



#30
 Cyclohexane
 Concen: 4.925 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion: 56 Resp: 52832
 Ion Ratio Lower Upper
 56 100
 69 32.4 26.0 39.0
 84 88.8 73.8 110.6





#31

Carbon tetrachloride

Concen: 4.595 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

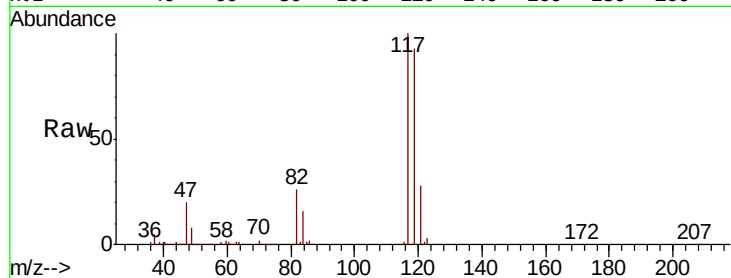
VSTD00598

Tot Ion:117 Resp: 65546

Ion Ratio Lower Upper

117 100

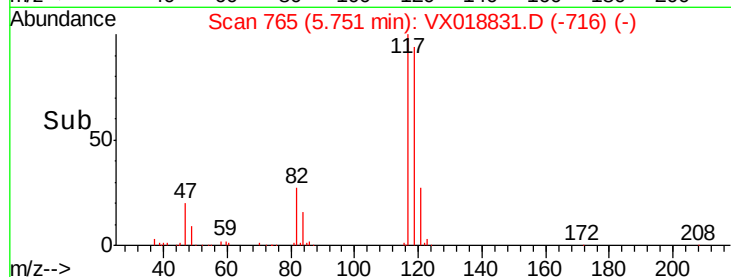
119 95.6 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.75



25000

20000

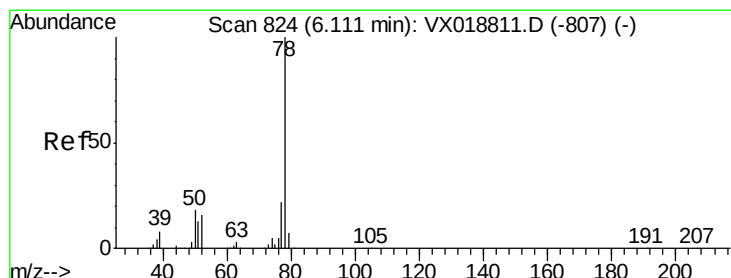
15000

10000

5000

0

Time--> 5.60 5.70 5.80



#33

Benzene

Concen: 5.173 ug/L

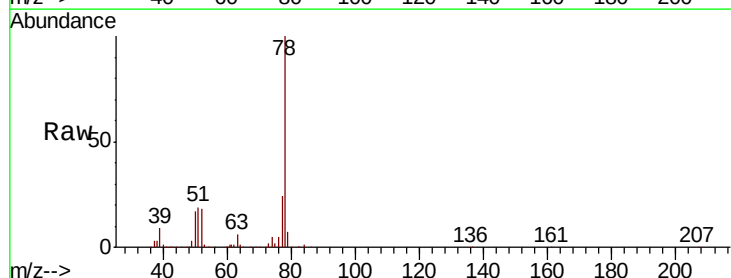
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Tgt Ion: 78 Resp: 141637



Abundance Ion 78.10 (77.80 to 78.80): VX0

60000

50000

40000

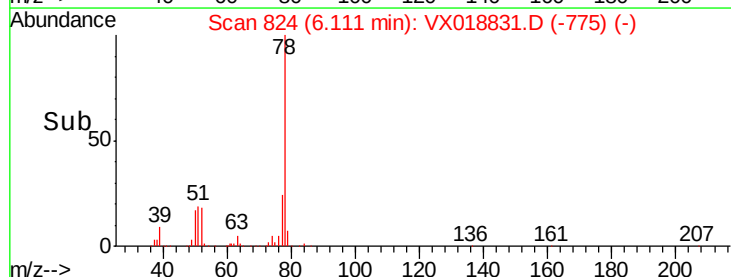
30000

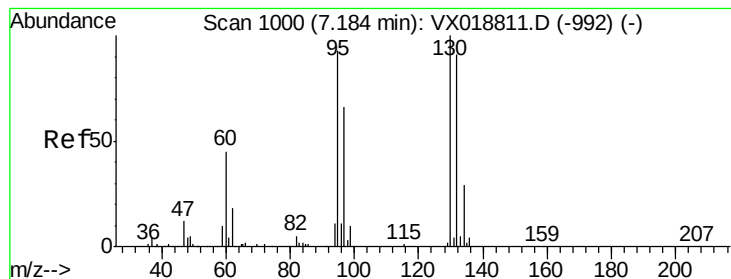
20000

10000

0

Time--> 6.00 6.10 6.20





#34

Trichloroethene

Concen: 4.704 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

Tot Ion: 95 Resp: 38028

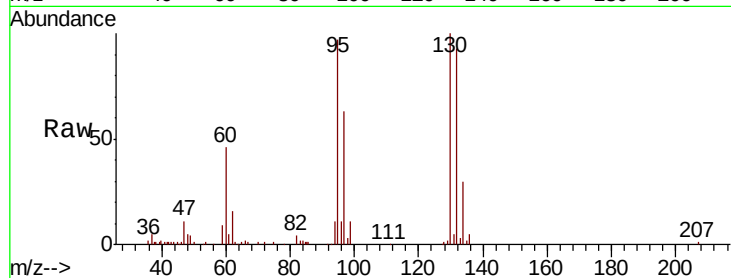
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 95.8 68.6 127.4

130 102.7 74.5 138.3

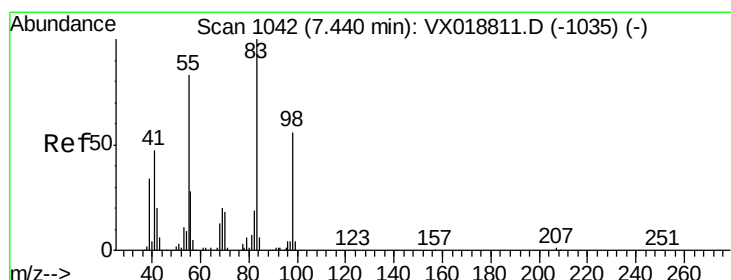
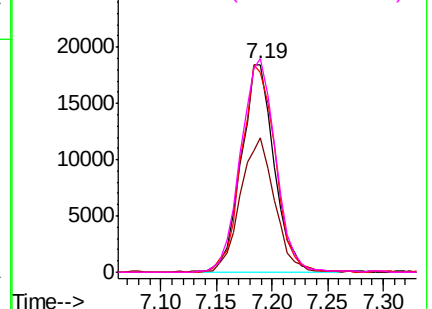
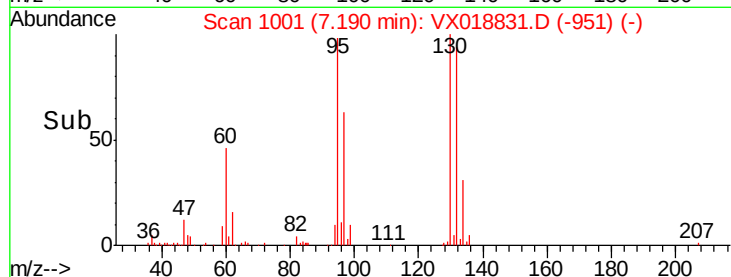


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 4.644 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

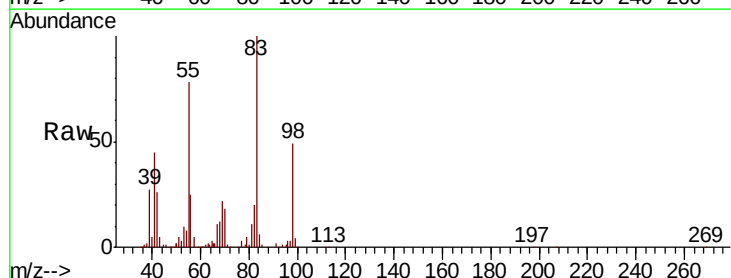
Tgt Ion: 83 Resp: 53198

Ion Ratio Lower Upper

83 100

55 79.5 60.3 90.5

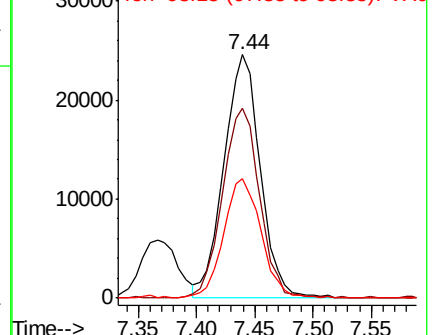
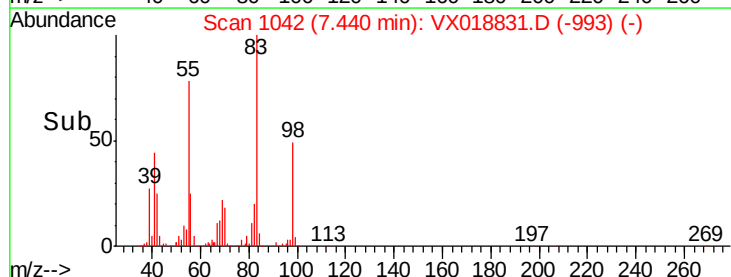
98 50.4 39.4 59.0

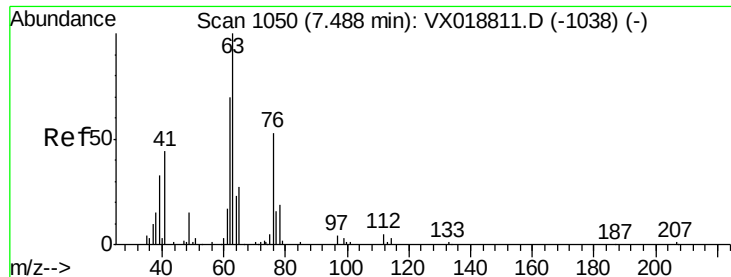


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

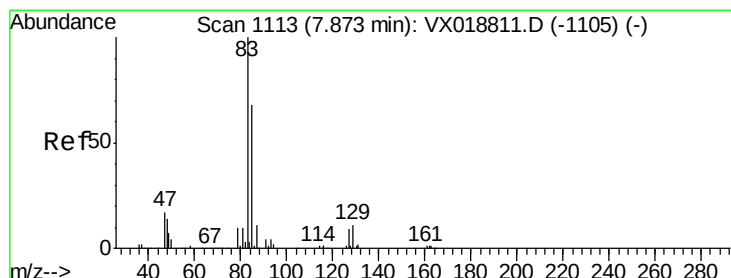
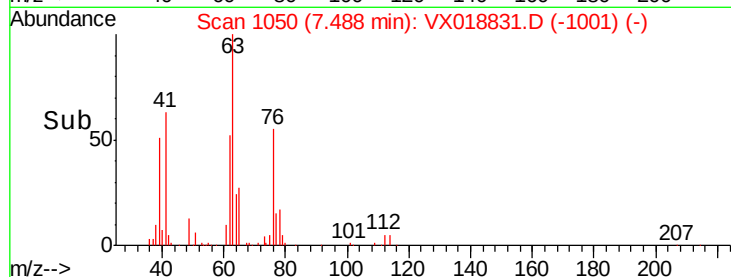
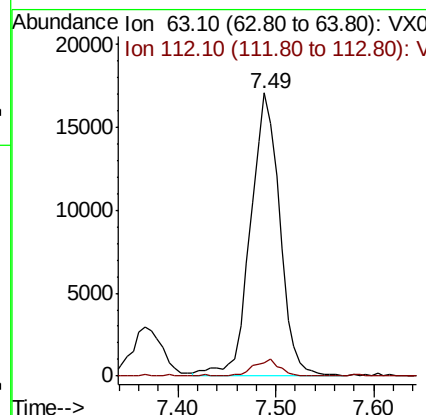
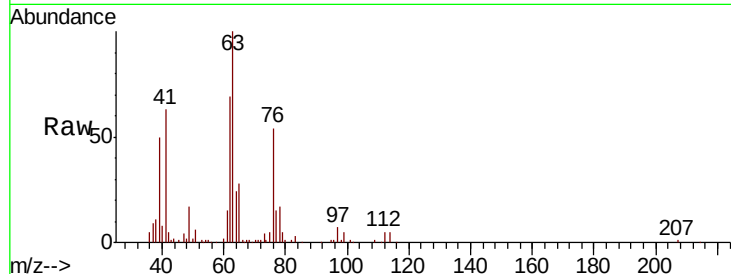




#37
 1,2-Dichloropropane
 Concen: 5.204 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

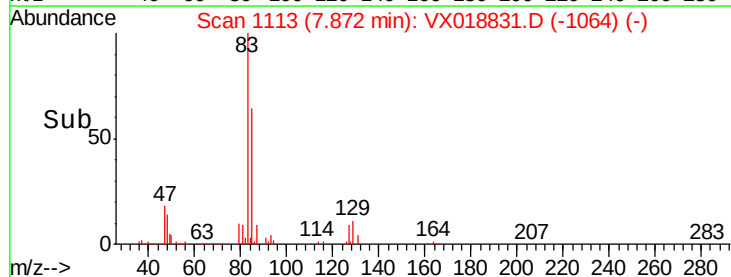
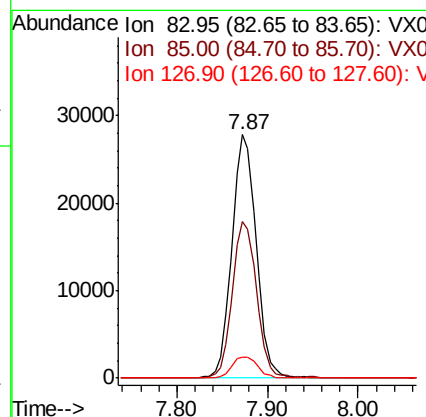
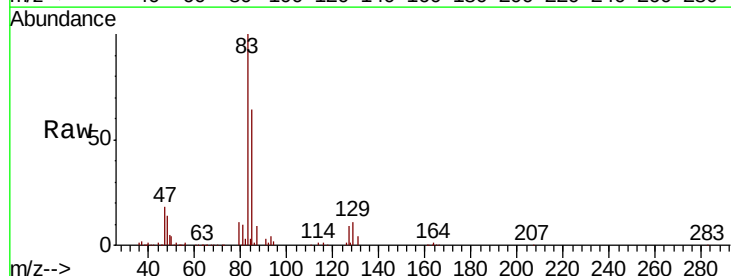
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

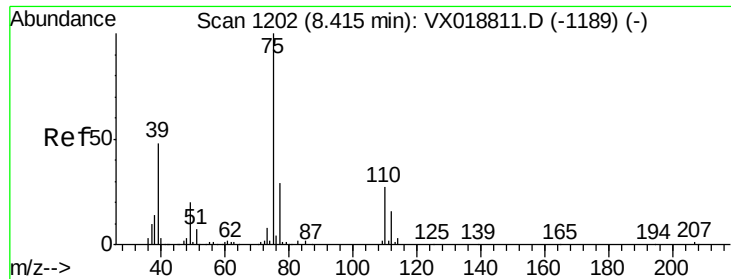
Tot Ion: 63 Resp: 35695
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.7 7.1



#38
 Bromodichloromethane
 Concen: 4.743 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion: 83 Resp: 51884
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.6 86.6
 127 8.7 9.9 14.9#

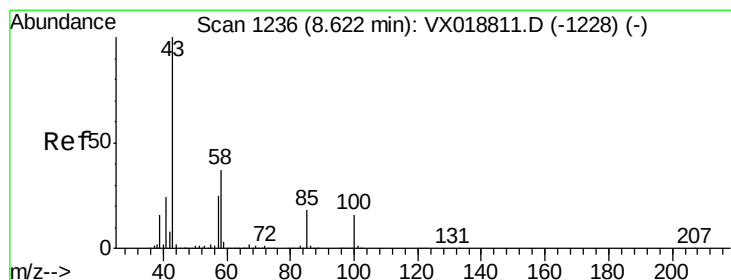
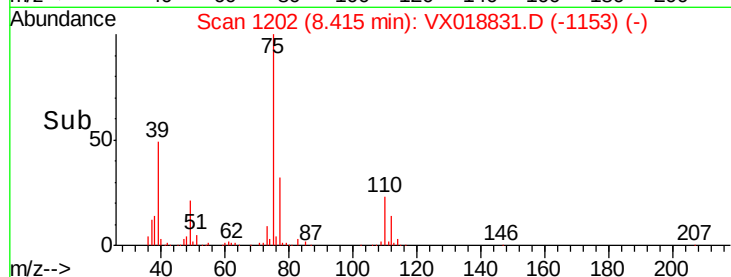
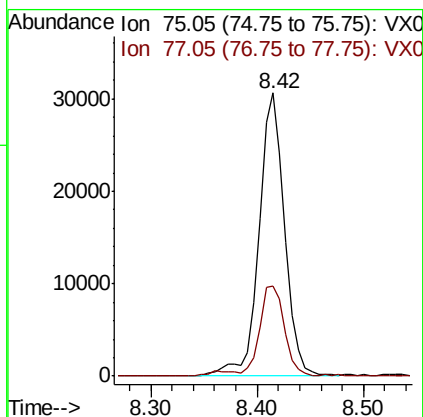
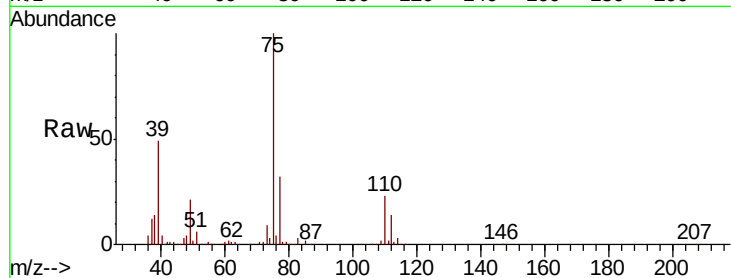




#39
 cis-1,3-Dichloropropene
 Concen: 4.722 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

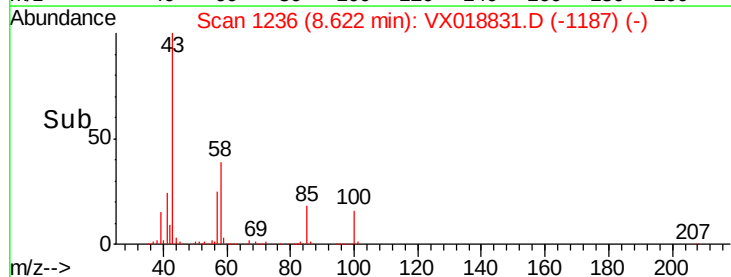
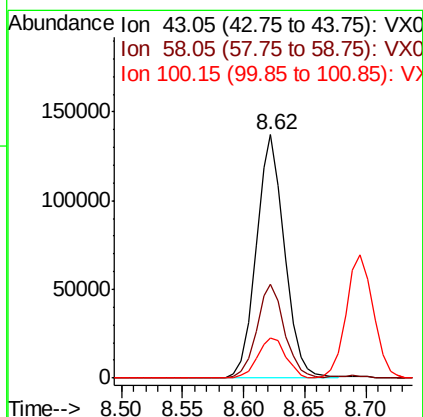
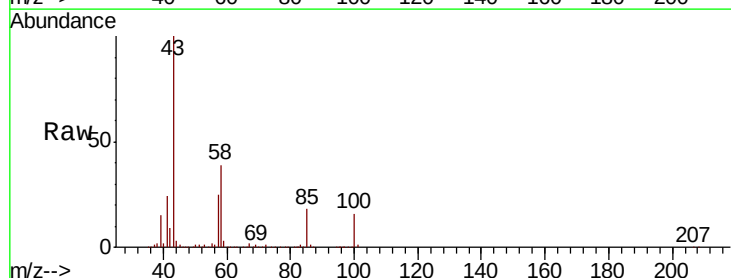
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

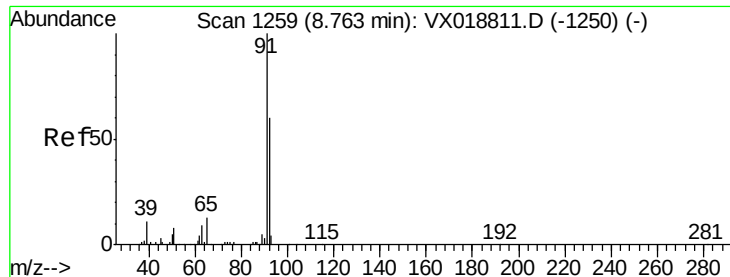
Tot Ion: 75 Resp: 51700
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 55.305 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion: 43 Resp: 219751
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 16.6 13.2 19.8





#42

Toluene

Concen: 5.081 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampled :

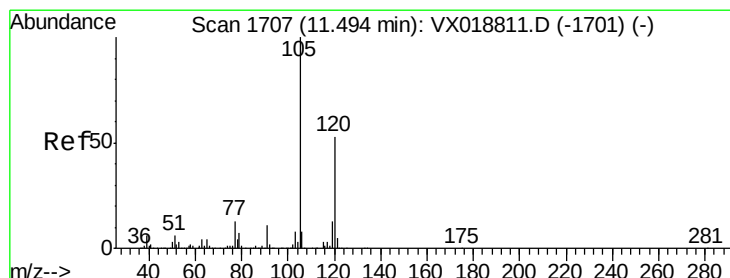
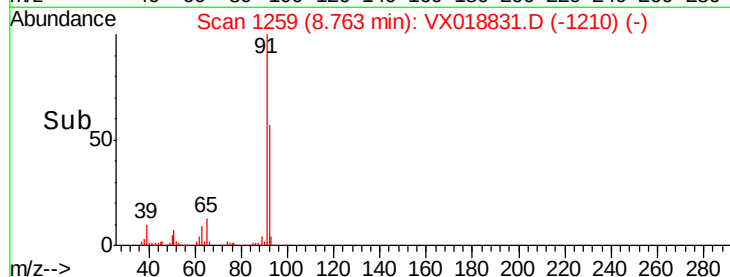
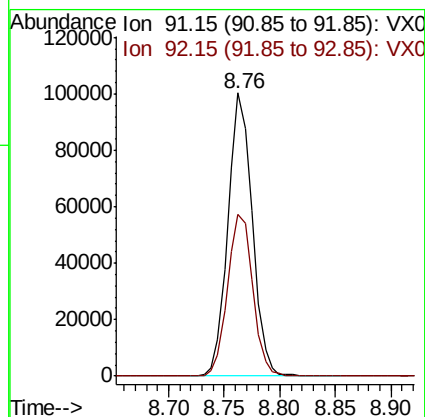
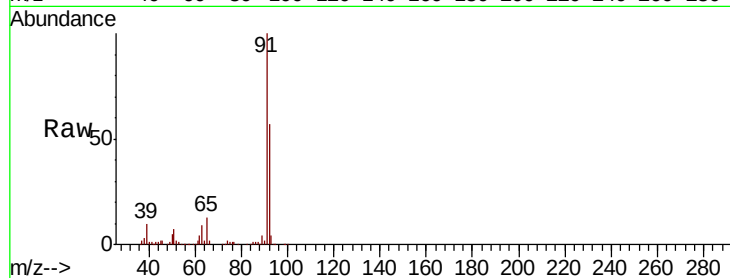
VSTD00598

Tot Ion: 91 Resp: 152221

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



#43

1,3,5-Trimethylbenzene

Concen: 4.738 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018831.D

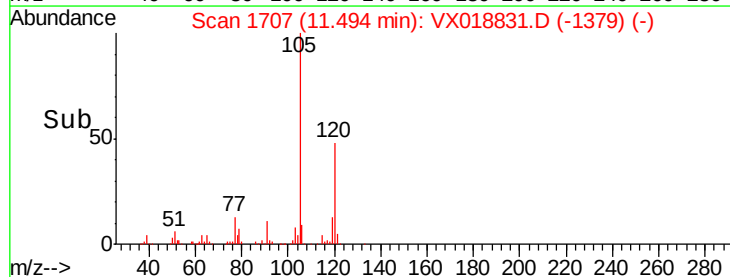
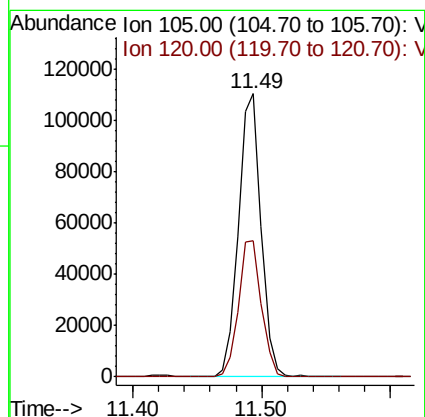
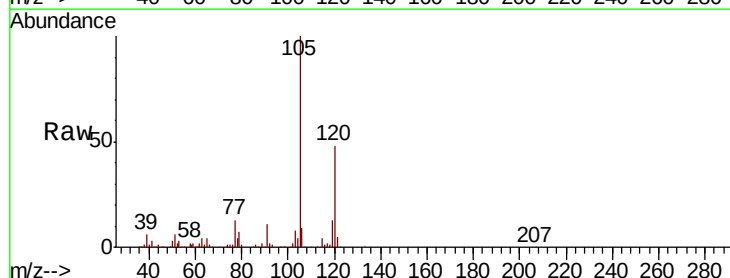
Acq: 07 Oct 2020 23:38

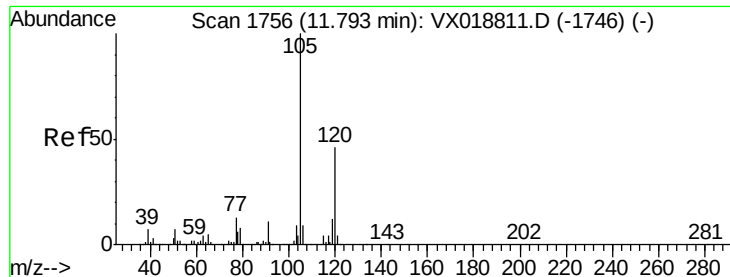
Tgt Ion: 105 Resp: 134353

Ion Ratio Lower Upper

105 100

120 49.1 37.7 56.5





#44

1,2,4-Trimethylbenzene

Concen: 4.824 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampled :

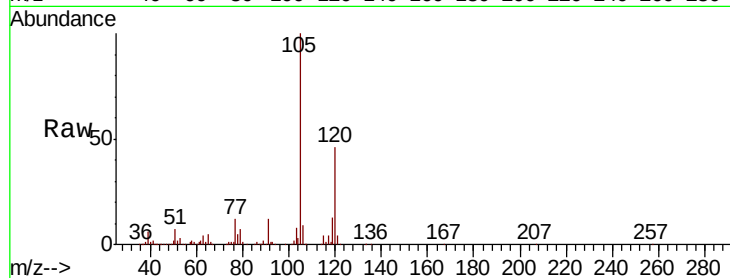
VSTD00598

Tot Ion:105 Resp: 138827

Ion Ratio Lower Upper

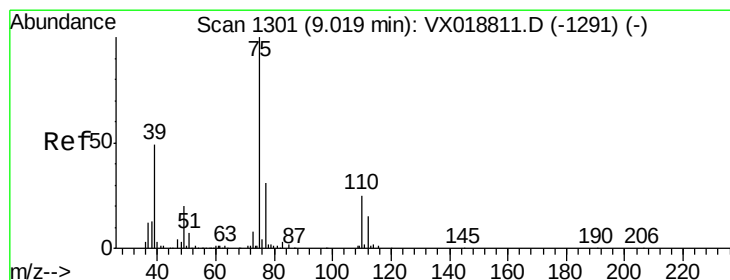
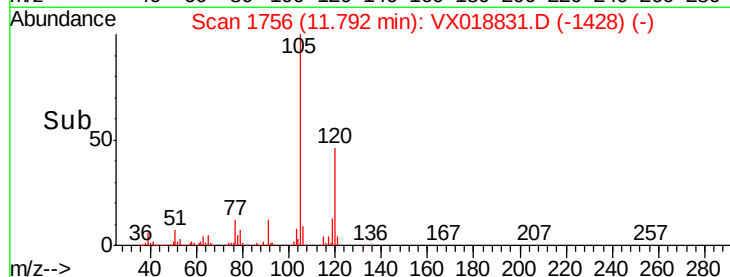
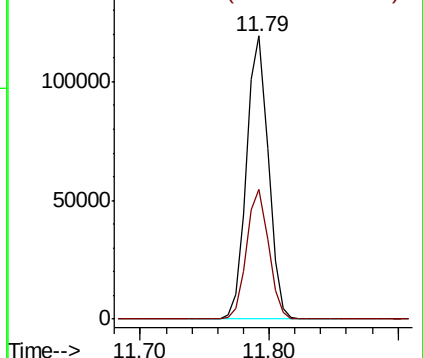
105 100

120 46.3 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 4.831 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX018831.D

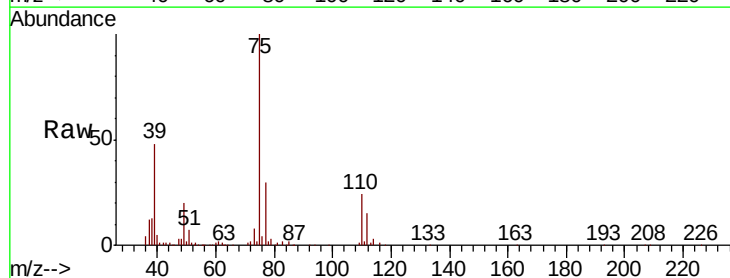
Acq: 07 Oct 2020 23:38

Tgt Ion: 75 Resp: 48828

Ion Ratio Lower Upper

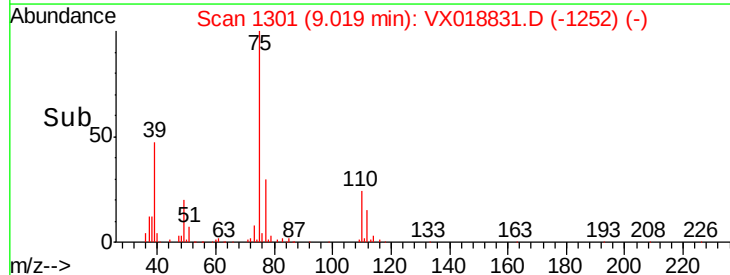
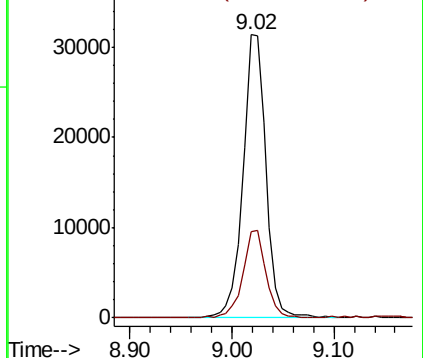
75 100

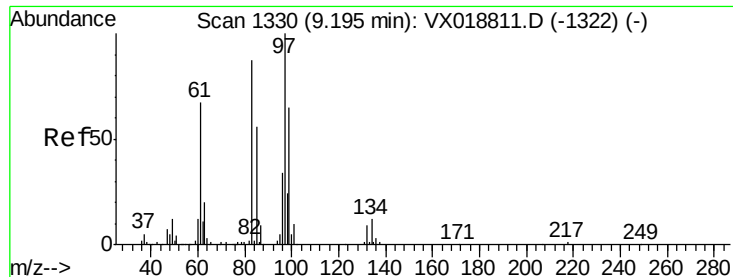
77 30.4 19.9 37.0



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

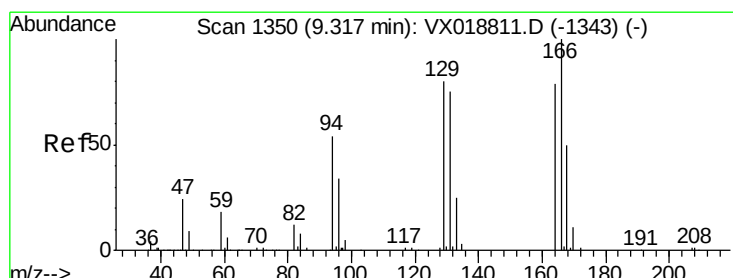
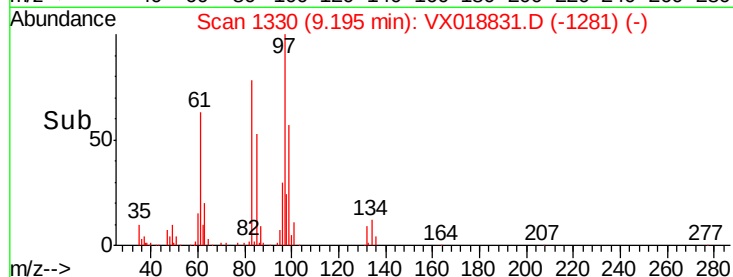
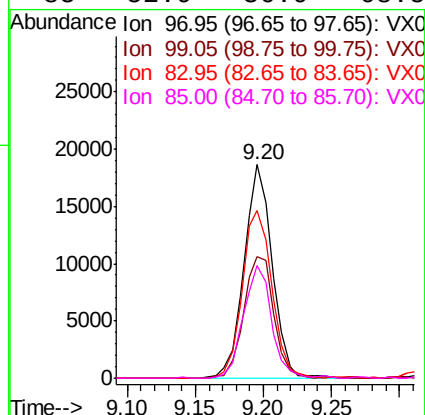
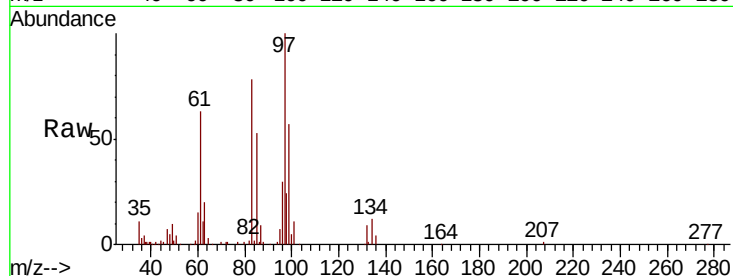




#47
1,1,2-Trichloroethane
Concen: 5.201 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

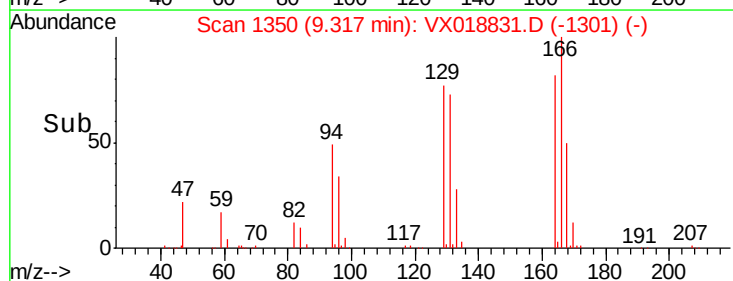
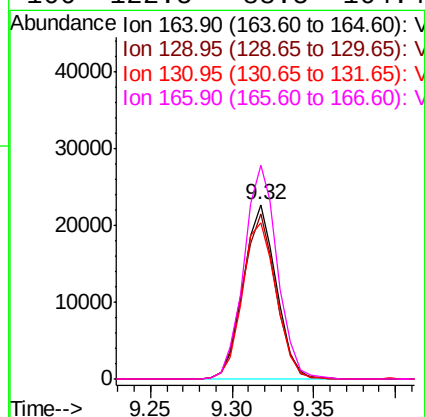
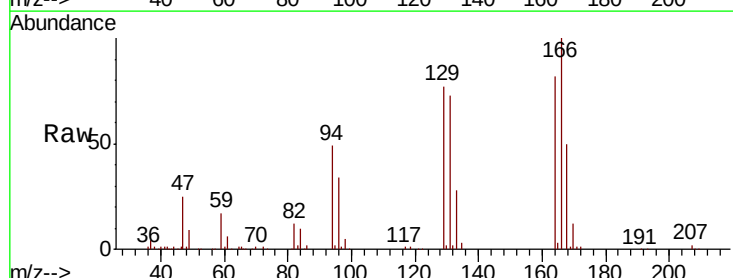
Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

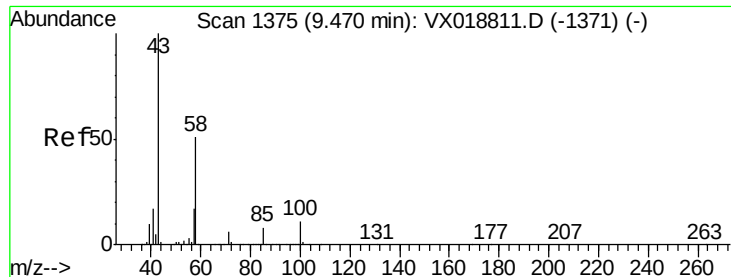
Tot Ion:	97	Resp:	26920
Ion	Ratio	Lower	Upper
97	100		
99	57.1	41.1	76.3
83	78.3	57.5	106.7
85	52.9	36.9	68.5



#49
Tetrachloroethene
Concen: 4.521 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion:	164	Resp:	31949
Ion	Ratio	Lower	Upper
164	100		
129	94.4	68.7	127.5
131	89.7	65.3	121.3
166	122.5	88.5	164.4

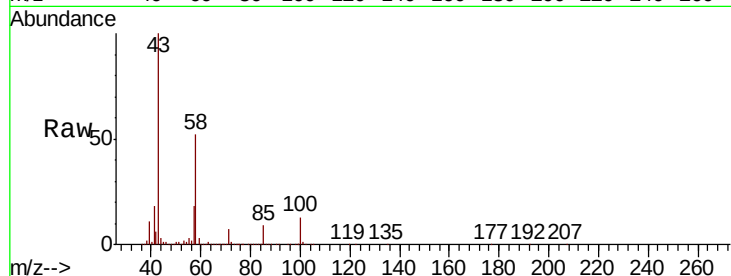




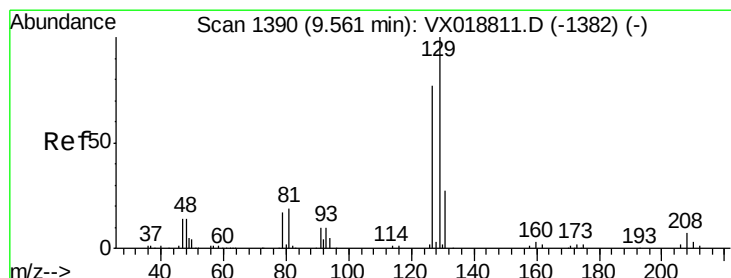
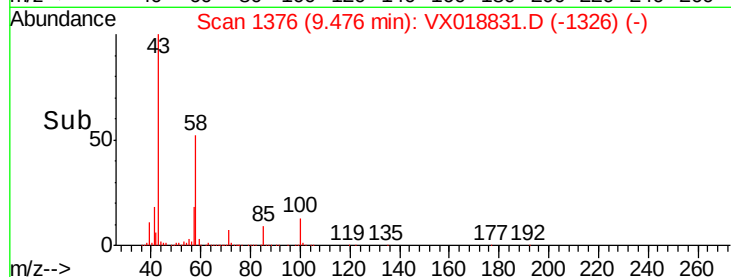
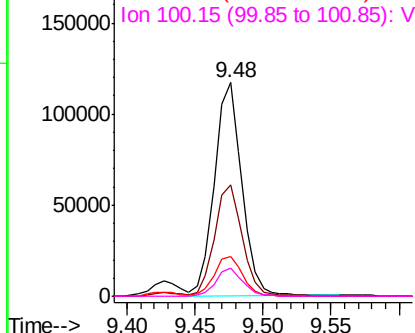
#50
2-Hexanone
Concen: 56.546 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

Tot Ion:	43	Resp:	163187
Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.0	61.4
57	19.4	15.9	23.9
100	13.3	10.1	15.1

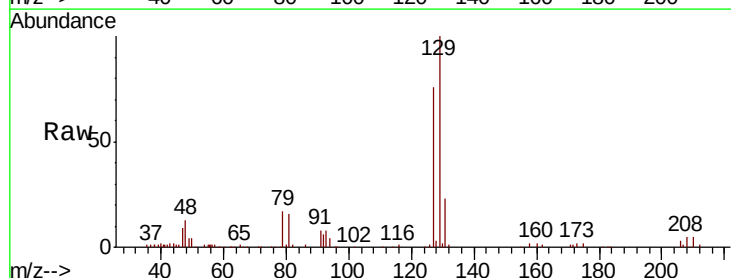


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

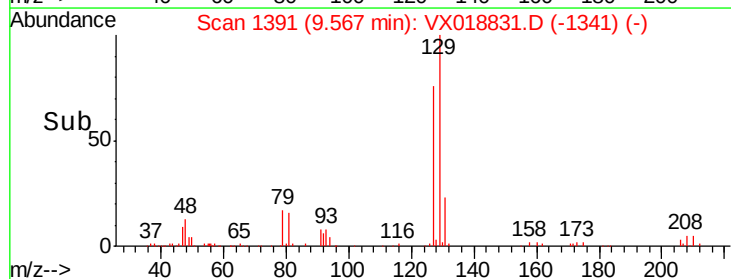
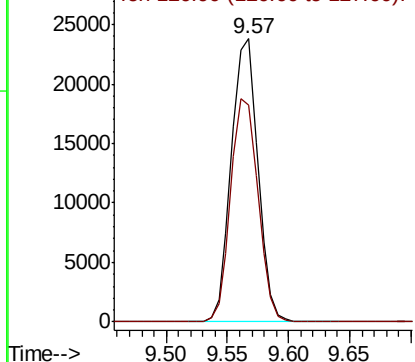


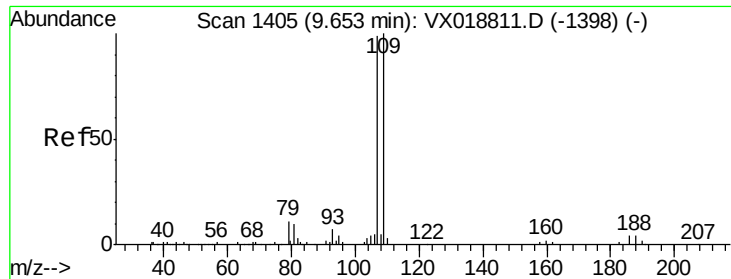
#51
Dibromochloromethane
Concen: 4.772 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion:	129	Resp:	35901
Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.5	101.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

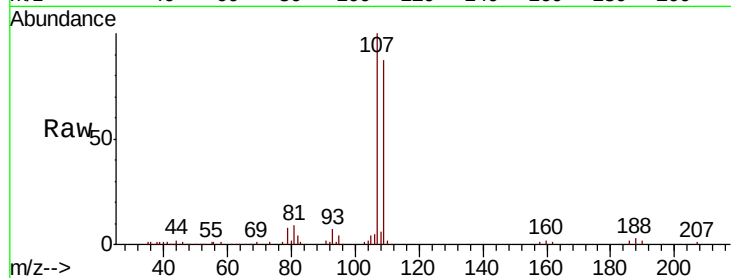




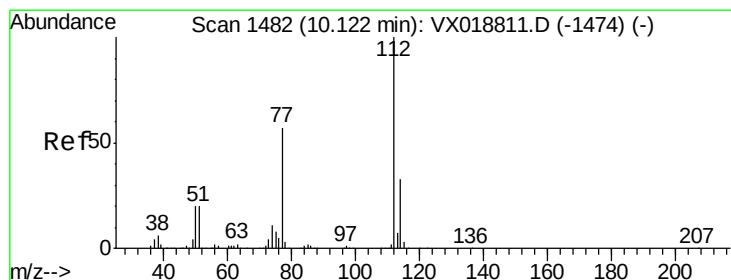
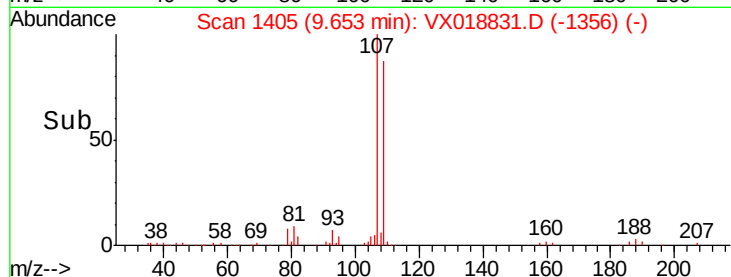
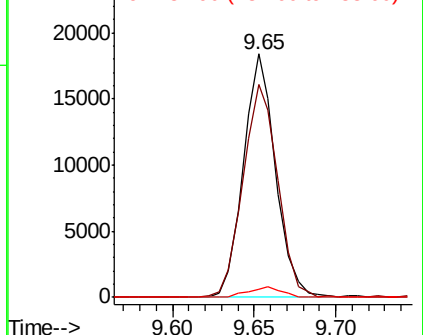
#52
 1,2-Dibromoethane
 Concen: 4.819 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

Tot Ion:107 Resp: 25218
 Ion Ratio Lower Upper
 107 100
 109 87.4 68.7 127.5
 188 3.4 4.5 6.7#

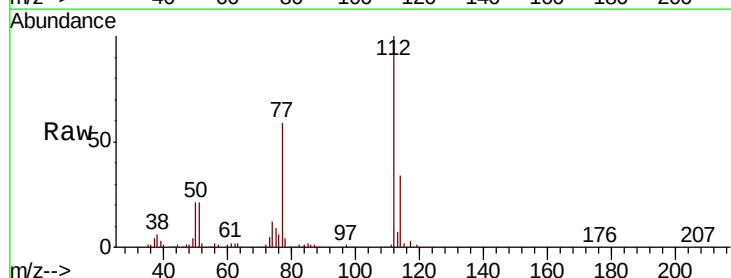


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

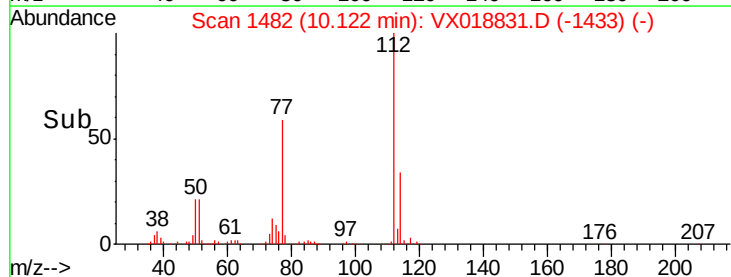
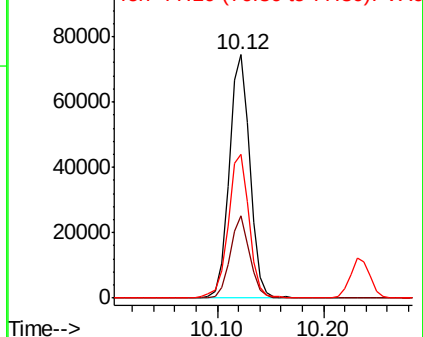


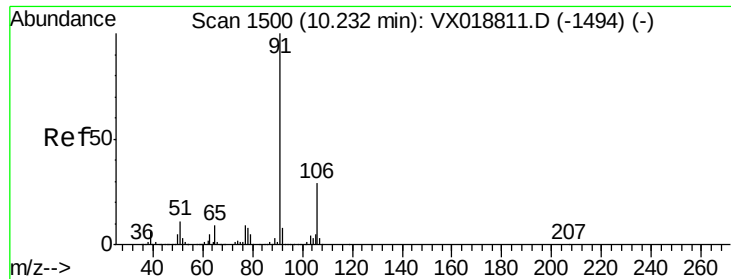
#53
 Chlorobenzene
 Concen: 4.934 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion:112 Resp: 101114
 Ion Ratio Lower Upper
 112 100
 114 33.7 21.3 39.5
 77 59.0 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 4.957 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampled :

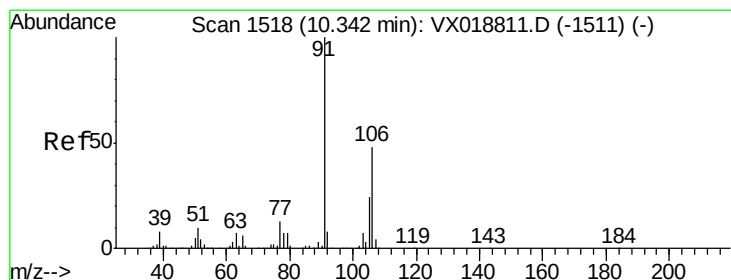
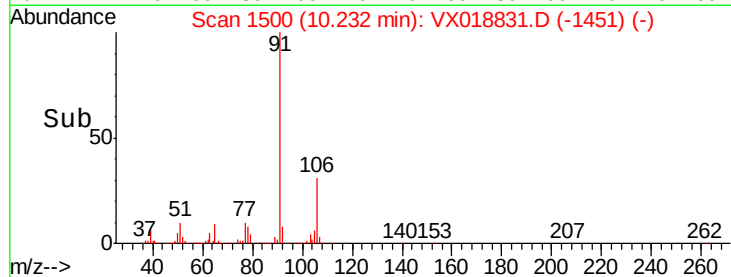
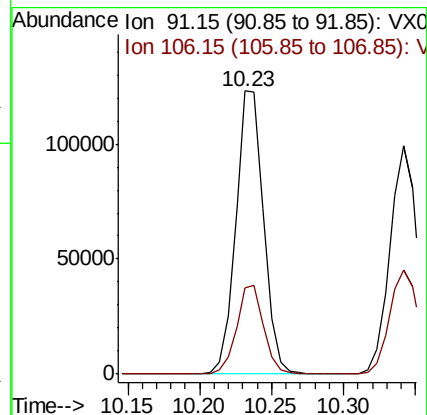
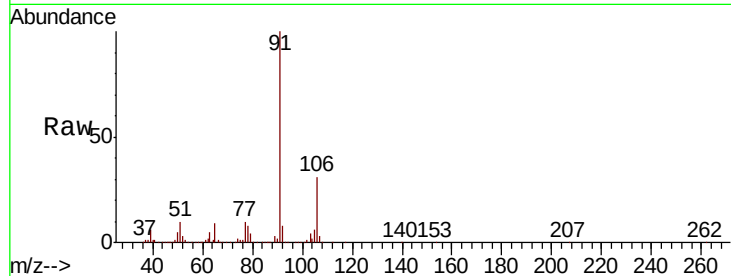
VSTD00598

Tot Ion: 91 Resp: 166469

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#55

m,p-xylene

Concen: 4.828 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018831.D

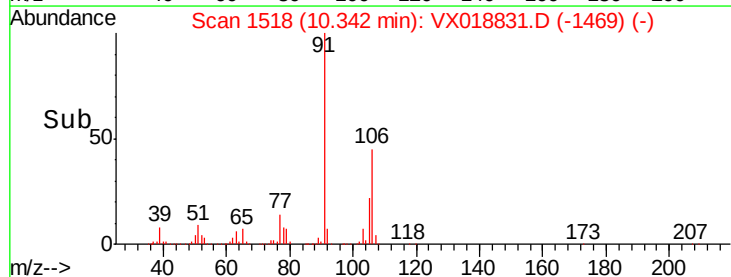
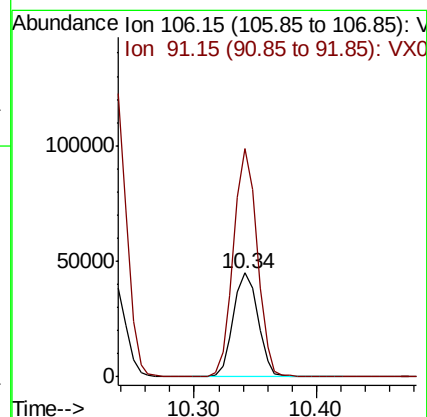
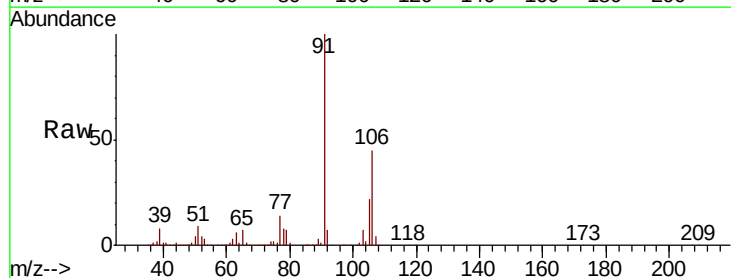
Acq: 07 Oct 2020 23:38

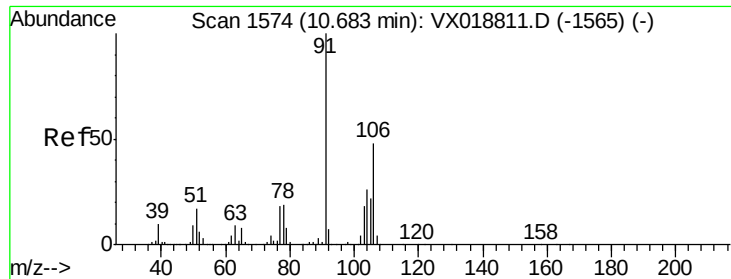
Tgt Ion: 106 Resp: 63239

Ion Ratio Lower Upper

106 100

91 220.0 143.4 266.2

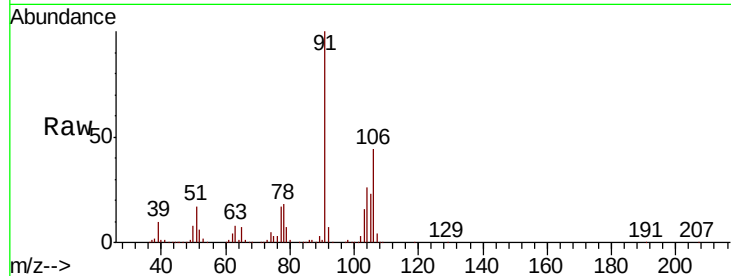




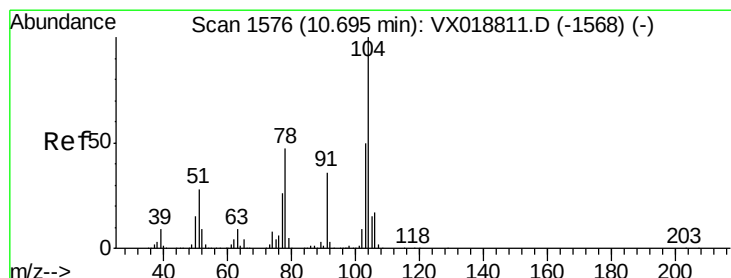
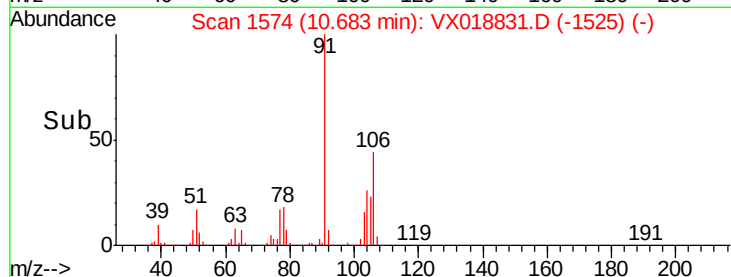
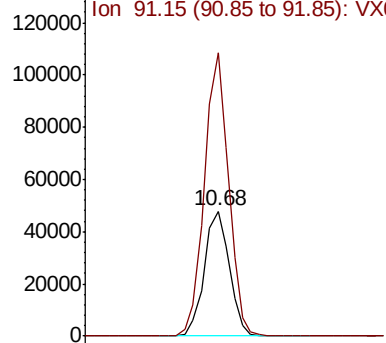
#56
o-xylene
Concen: 5.080 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTD00598

Tot Ion:106 Resp: 61492
Ion Ratio Lower Upper
106 100
91 226.3 153.4 284.8

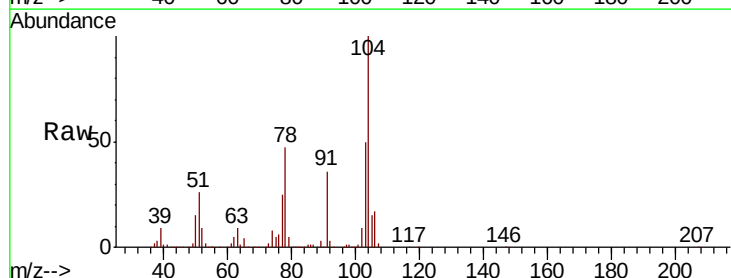


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

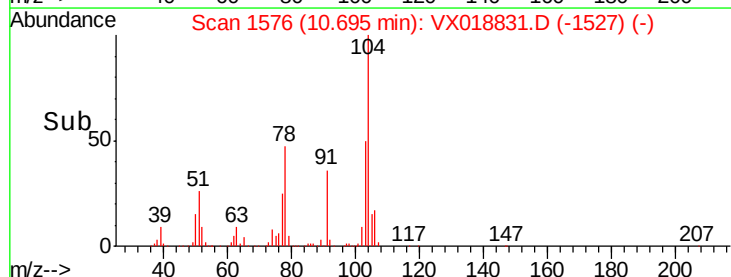
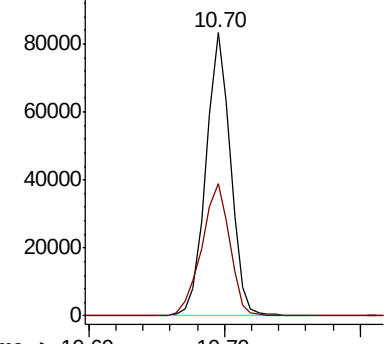


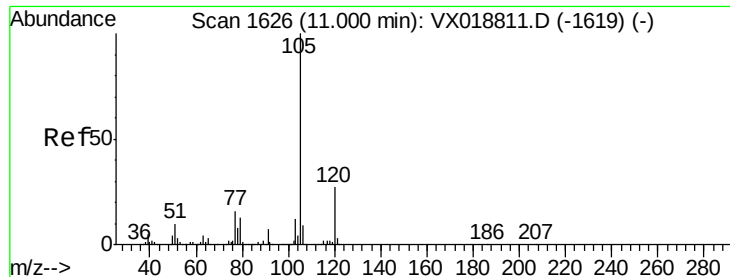
#57
Styrene
Concen: 5.076 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018831.D
Acq: 07 Oct 2020 23:38

Tgt Ion:104 Resp: 104822
Ion Ratio Lower Upper
104 100
78 47.0 37.1 68.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 4.911 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

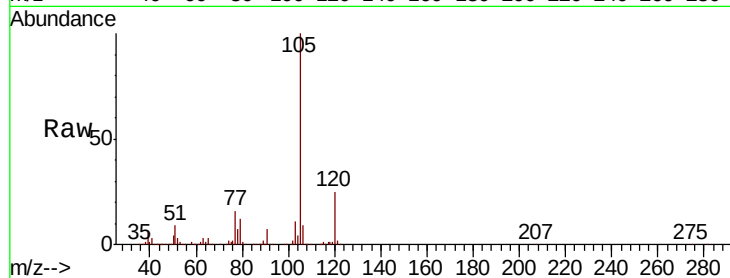
Tot Ion:105 Resp: 166451

Ion Ratio Lower Upper

105 100

120 26.3 20.2 30.2

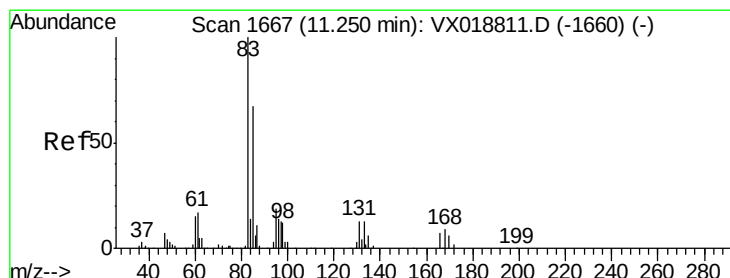
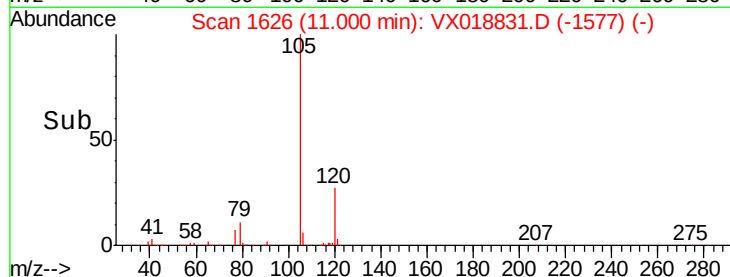
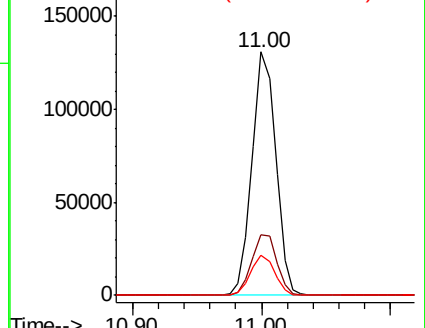
77 16.6 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.657 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

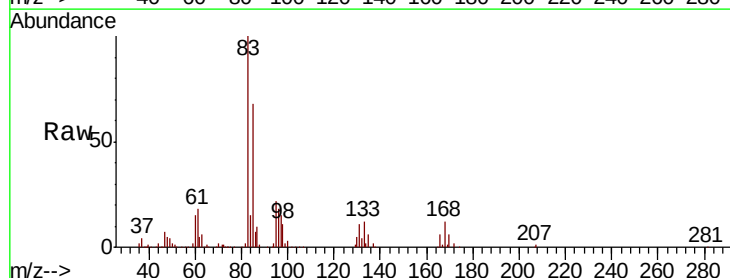
Tgt Ion: 83 Resp: 32458

Ion Ratio Lower Upper

83 100

85 67.6 46.5 86.5

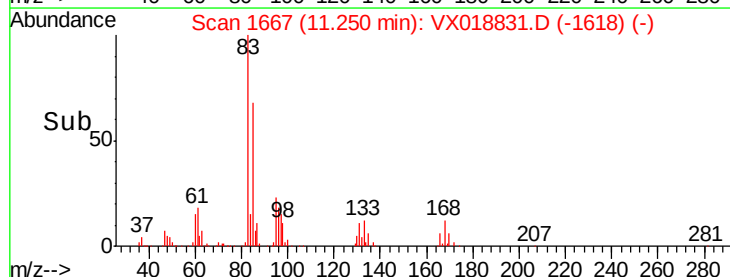
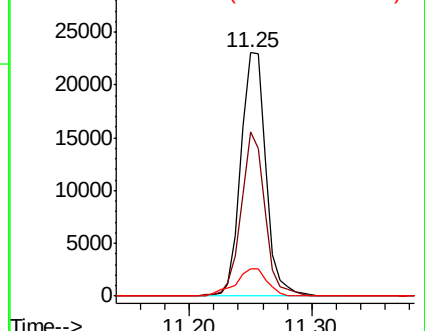
131 11.1 9.6 14.4

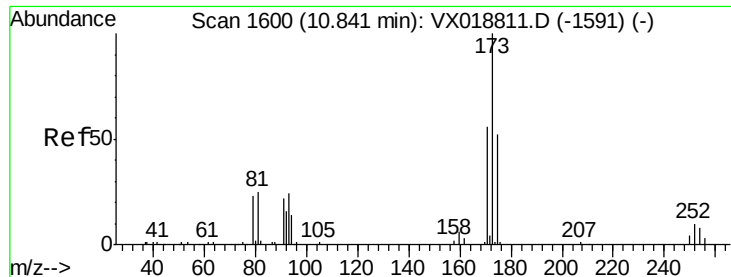


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.823 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

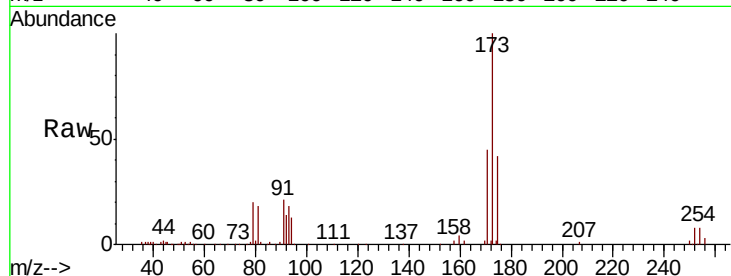
Tot Ion:173 Resp: 21171

Ion Ratio Lower Upper

173 100

175 46.8 37.8 56.8

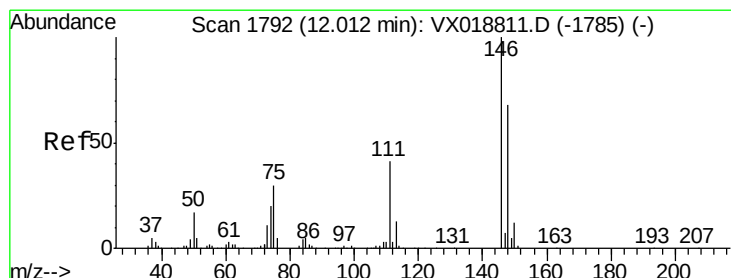
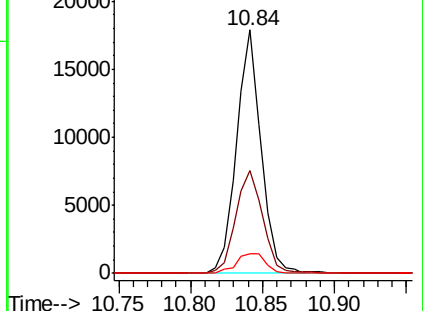
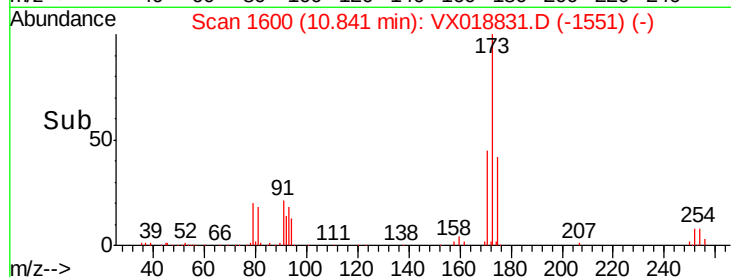
254 9.8 7.2 10.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.165 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

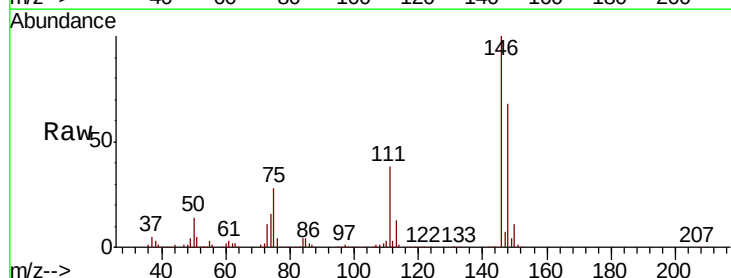
Tgt Ion:146 Resp: 83376

Ion Ratio Lower Upper

146 100

111 37.9 28.4 52.8

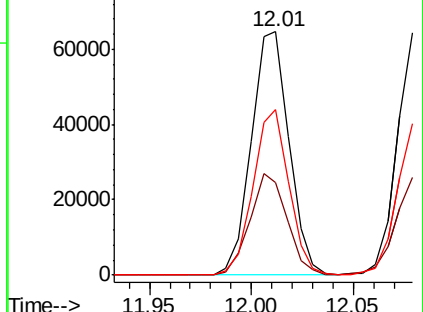
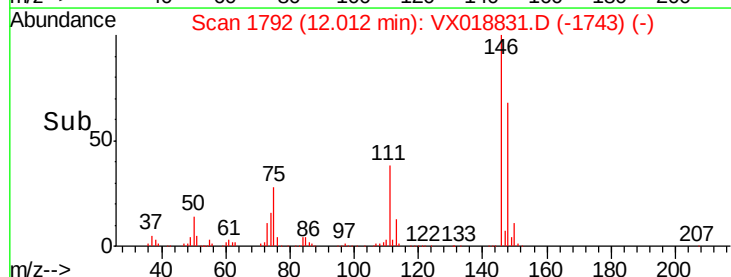
148 67.7 45.9 85.3

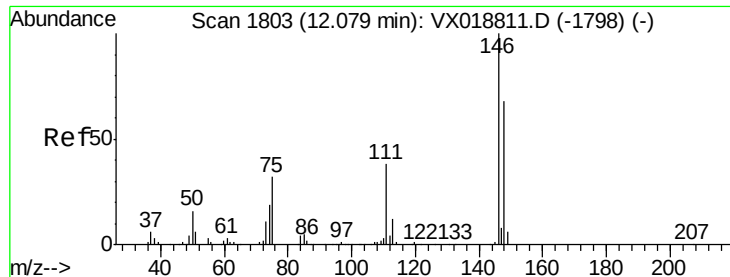


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.119 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

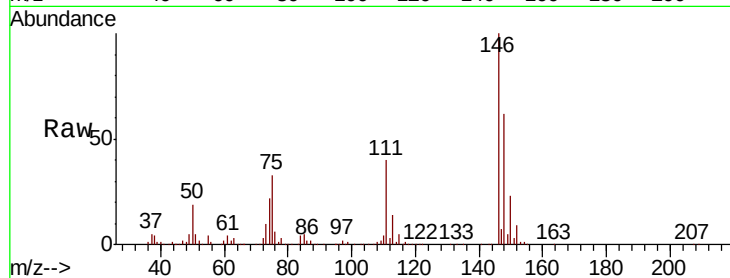
Tot Ion:146 Resp: 82408

Ion Ratio Lower Upper

146 100

111 40.0 28.6 53.2

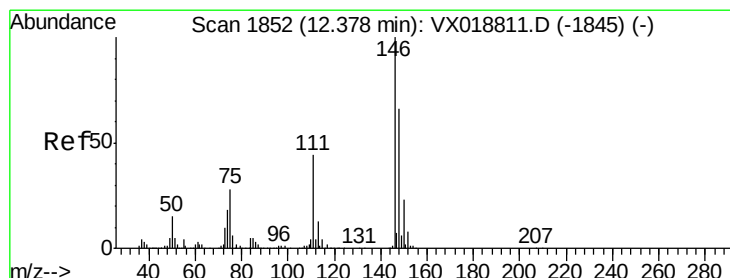
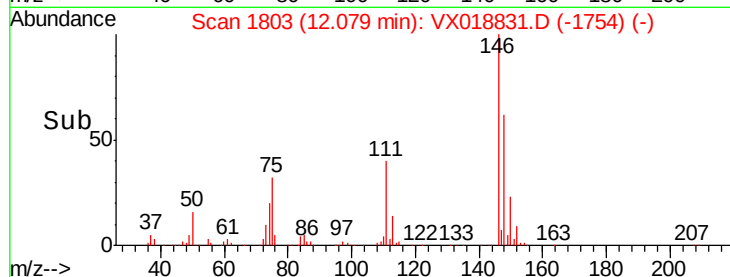
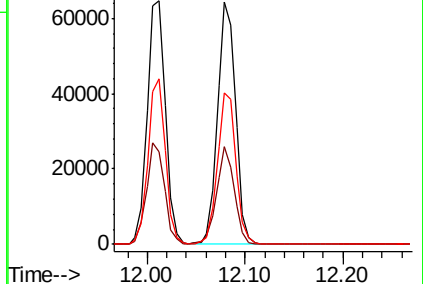
148 62.4 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 5.164 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

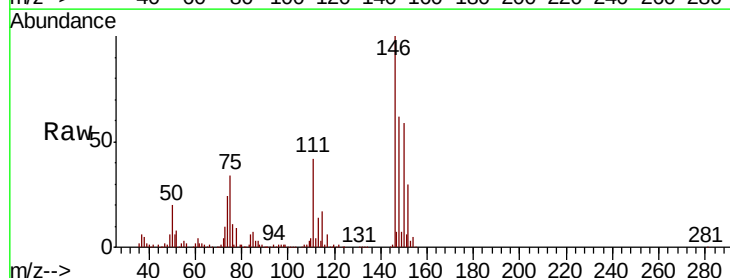
Tgt Ion:146 Resp: 77825

Ion Ratio Lower Upper

146 100

111 41.6 31.7 47.5

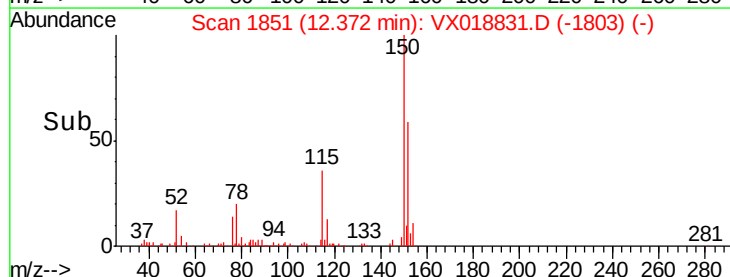
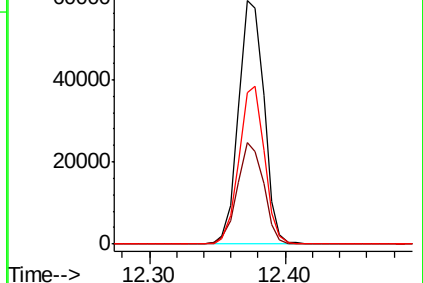
148 62.4 49.0 73.6

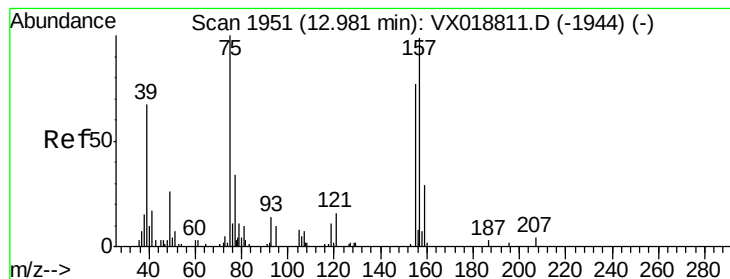


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 4.647 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD00598

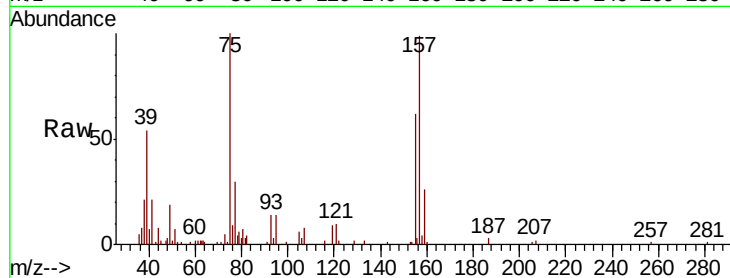
Tot Ion: 75 Resp: 5969

Ion Ratio Lower Upper

75 100

155 61.7 61.1 91.7

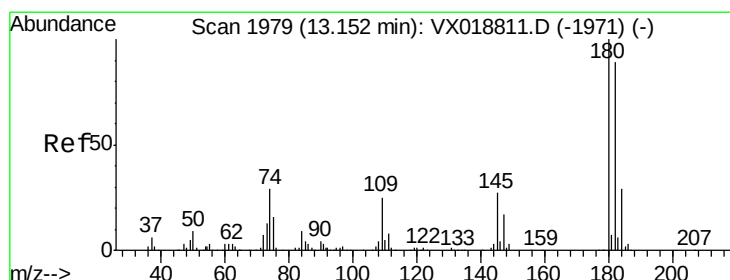
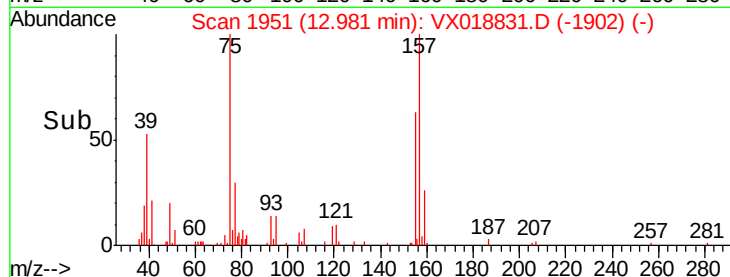
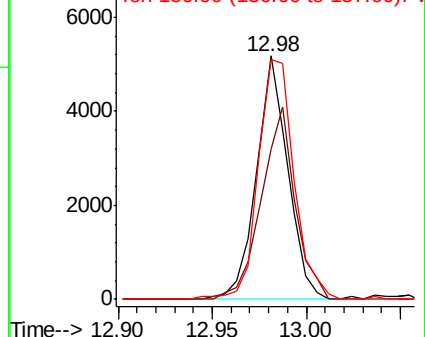
157 98.6 74.2 111.2



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



#68

1,3,5-Trichlorobenzene

Concen: 4.687 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX018831.D

Acq: 07 Oct 2020 23:38

Tgt Ion: 180 Resp: 58235

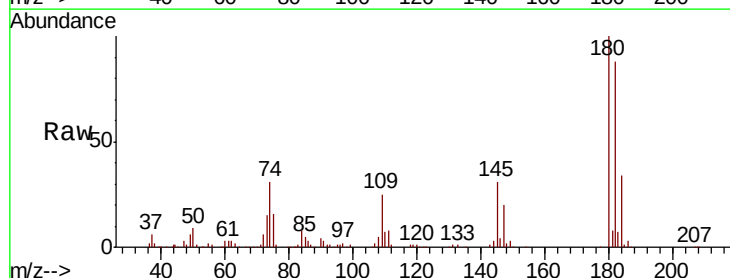
Ion Ratio Lower Upper

180 100

182 91.5 74.1 111.1

184 30.5 23.4 35.2

145 30.3 23.6 35.4

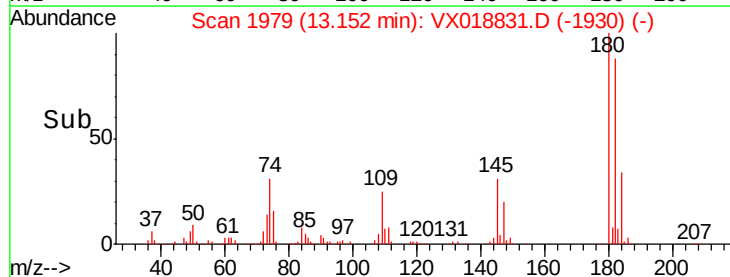
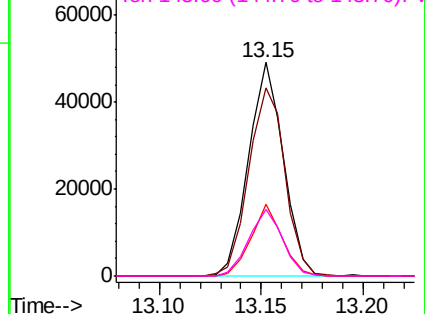


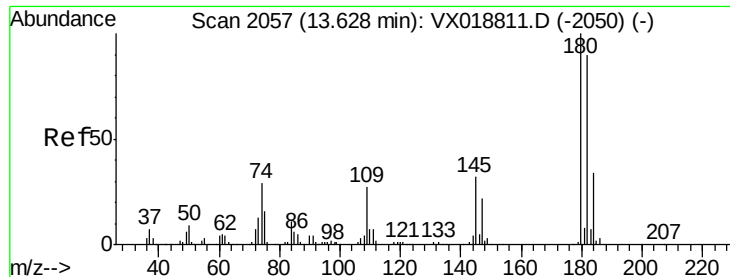
Abundance Ion 180.00 (179.70 to 180.70): V

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

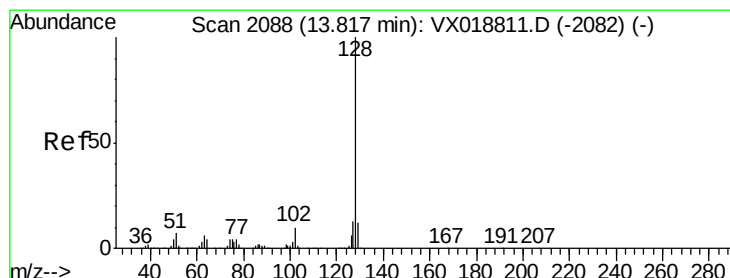
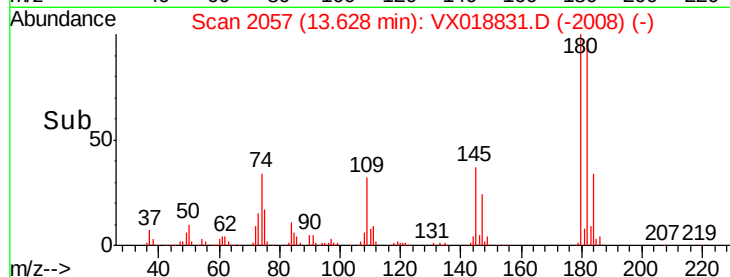
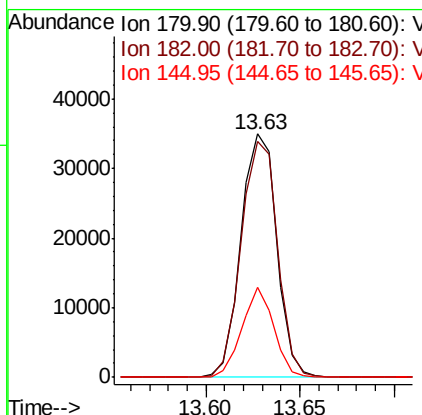
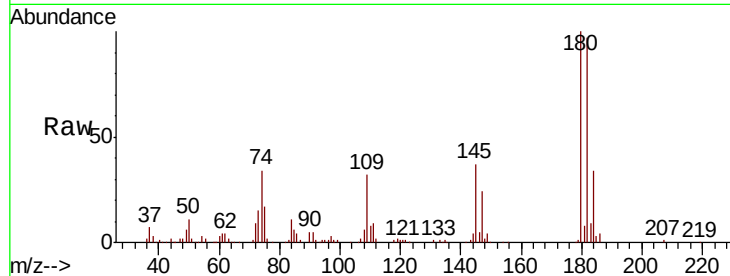




#69
 1,2,4-trichlorobenzene
 Concen: 4.475 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

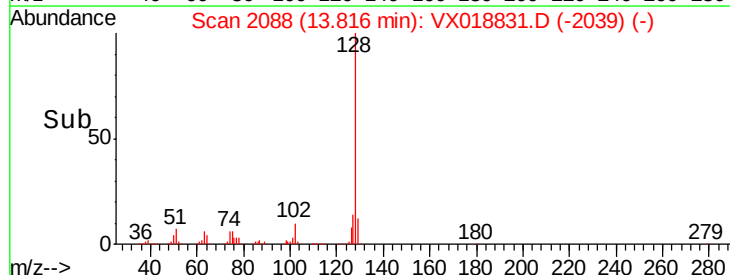
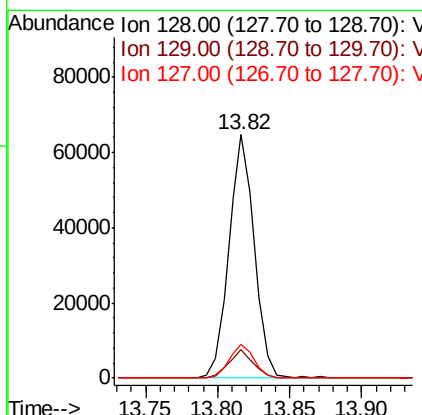
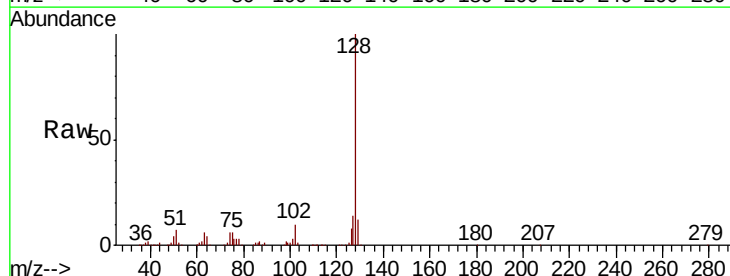
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

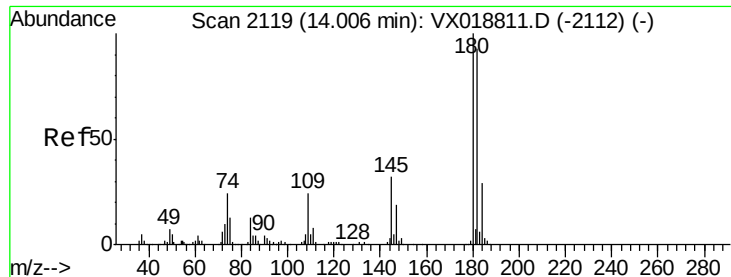
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	80.2	120.4
145	32.9	25.2	37.8



#70
 Naphthalene
 Concen: 4.763 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.6	10.5	15.7

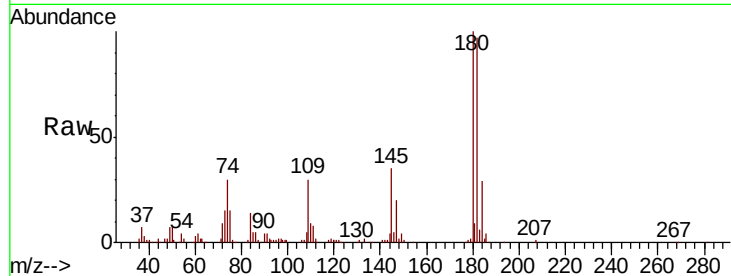




#71
 1,2,3-Trichlorobenzene
 Concen: 4.988 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018831.D
 Acq: 07 Oct 2020 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00598

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	73.6	110.4
145	32.9	26.6	40.0



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

