

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018020.D
 Acq On : 20 Aug 2020 06:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 06:33:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	467201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	741978	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	712365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	388594	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	318437	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	5.47	113	247814	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.70	98	905389	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.12	95	363107	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	328324	46.574	ug/l	96
3) Chloromethane	1.31	50	276518	43.278	ug/l	99
4) Vinyl Chloride	1.39	62	278827	42.504	ug/l	99
5) Bromomethane	1.62	94	183285	51.261	ug/l	98
6) Chloroethane	1.71	64	161150	45.992	ug/l	99
7) Trichlorofluoromethane	1.92	101	455135	46.520	ug/l	100
8) Diethyl Ether	2.17	74	125066	43.862	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	189361	41.153	ug/l	99
10) Methyl Iodide	2.49	142	255056	42.984	ug/l	100
11) Tert butyl alcohol	3.01	59	287814	217.657	ug/l	99
12) 1,1-Dichloroethene	2.36	96	174748	41.497	ug/l	90
13) Acrolein	2.28	56	143763	205.812	ug/l	98
14) Allyl chloride	2.71	41	347507	46.269	ug/l	99
15) Acrylonitrile	3.12	53	684156	236.911	ug/l	100
16) Acetone	2.42	43	609310	226.139	ug/l	98
17) Carbon Disulfide	2.55	76	483861	47.357	ug/l	99
18) Methyl Acetate	2.75	43	328518	48.454	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	816533	50.716	ug/l	98
20) Methylene Chloride	2.83	84	232290	46.793	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	212211	49.018	ug/l	96
22) Diisopropyl ether	3.83	45	817853	51.946	ug/l	96
23) Vinyl Acetate	3.79	43	2934698	243.912	ug/l	99
24) 1,1-Dichloroethane	3.67	63	429572	49.218	ug/l	97
25) 2-Butanone	4.64	43	952403	233.483	ug/l	95
26) 2,2-Dichloropropane	4.55	77	246530	31.018	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	257790	50.479	ug/l	95
28) Bromochloromethane	4.98	49	213700	47.379	ug/l	100
29) Tetrahydrofuran	5.09	42	605650	239.067	ug/l	99
30) Chloroform	5.18	83	463973	48.636	ug/l	99
31) Cyclohexane	5.55	56	373810	52.817	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	423112	48.891	ug/l	100
36) 1,1-Dichloropropene	5.77	75	297845	47.959	ug/l	100
37) Ethyl Acetate	4.79	43	334077	44.960	ug/l	99
38) Carbon Tetrachloride	5.76	117	383293	47.688	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	357610	45.042	ug/l	96
40) Benzene	6.12	78	899929	48.111	ug/l	99
41) Methacrylonitrile	5.01	41	202756	47.607	ug/l	98
42) 1,2-Dichloroethane	6.17	62	380581	47.899	ug/l	100
43) Isopropyl Acetate	6.42	43	567921	47.346	ug/l	99
44) Trichloroethene	7.19	130	261679	47.174	ug/l	94
45) 1,2-Dichloropropane	7.49	63	253000	47.207	ug/l	99
46) Dibromomethane	7.63	93	179268	47.927	ug/l	96
47) Bromodichloromethane	7.88	83	389924	48.020	ug/l	98
48) Methyl methacrylate	7.74	41	293844	49.414	ug/l	99
49) 1,4-Dioxane	7.71	88	101475	833.534	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1914826	237.093	ug/l	99
52) Toluene	8.77	92	592677	48.430	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	392851	45.743	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	404185	45.137	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	267965	47.663	ug/l	98
56) Ethyl methacrylate	9.16	69	396281	49.854	ug/l	98
57) 1,3-Dichloropropane	9.35	76	431486	48.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	877312	227.914	ug/l	99
59) 2-Hexanone	9.48	43	1451424	237.173	ug/l	100
60) Dibromochloromethane	9.57	129	328114	46.729	ug/l	100
61) 1,2-Dibromoethane	9.65	107	282472	45.359	ug/l	98
64) Tetrachloroethene	9.32	164	258956	47.600	ug/l	95
65) Chlorobenzene	10.12	112	698761	49.416	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	293425	49.055	ug/l	98
67) Ethyl Benzene	10.24	91	1192242	51.145	ug/l	100
68) m/p-Xylenes	10.34	106	916669	102.144	ug/l	96
69) o-Xylene	10.68	106	443342	51.230	ug/l	99
70) Styrene	10.70	104	795915	53.309	ug/l	100
71) Bromoform	10.84	173	265821	49.513	ug/l	100
73) Isopropylbenzene	11.00	105	1220221	48.786	ug/l	100
74) N-amyl acetate	10.88	43	534794	48.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	404388	46.346	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	486746	58.900	ug/l	84
77) Bromobenzene	11.24	156	334764	48.241	ug/l	98
78) n-propylbenzene	11.34	91	1408987	48.163	ug/l	100
79) 2-Chlorotoluene	11.40	91	858590	48.159	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1072081	48.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	129566	41.189	ug/l	98
82) 4-Chlorotoluene	11.49	91	1021749	48.734	ug/l	99
83) tert-Butylbenzene	11.76	119	1043435	50.325	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1096977	48.263	ug/l	98
85) sec-Butylbenzene	11.93	105	1210823	48.377	ug/l	100
86) p-Isopropyltoluene	12.05	119	1135874	48.786	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	619446	49.045	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	611350	49.407	ug/l	100
89) n-Butylbenzene	12.37	91	964644	50.060	ug/l	99
90) Hexachloroethane	12.58	117	224634	48.511	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	589491	50.559	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	101940	45.865	ug/l	96

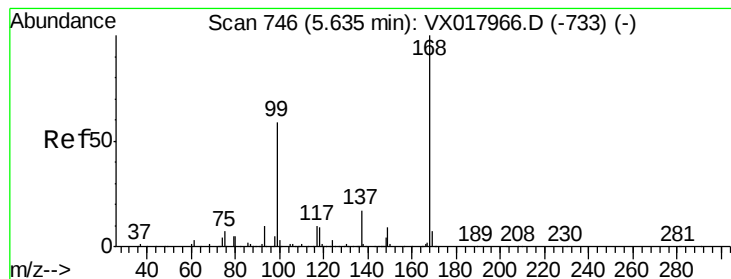
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	384109	50.077	ug/l	99
94) Hexachlorobutadiene	13.77	225	149014	45.523	ug/l	97
95) Naphthalene	13.82	128	1290624	53.305	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	392186	50.282	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

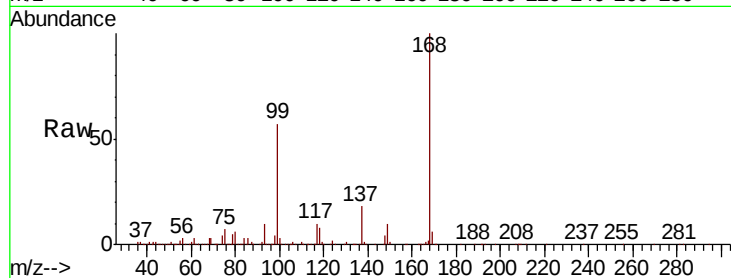
VSTDCCC050EC

Tot Ion:168 Resp: 467201

Ion Ratio Lower Upper

168 100

99 57.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

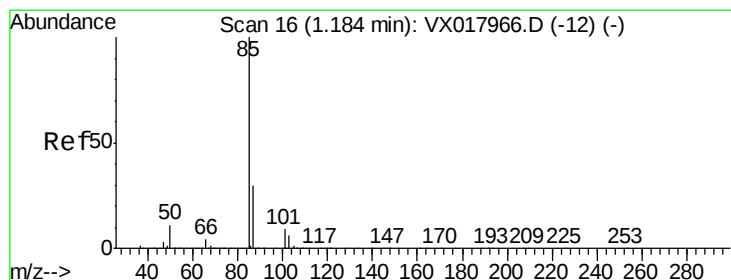
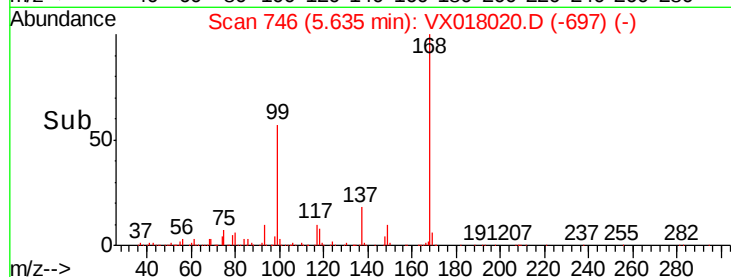
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.574 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018020.D

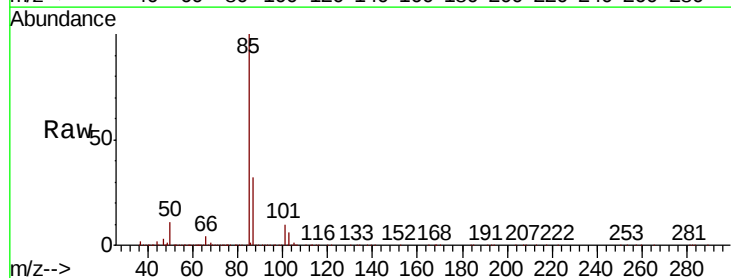
Acq: 20 Aug 2020 06:08

Tgt Ion: 85 Resp: 328324

Ion Ratio Lower Upper

85 100

87 32.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400000

300000

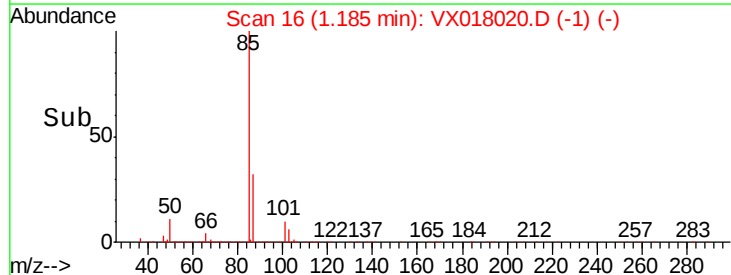
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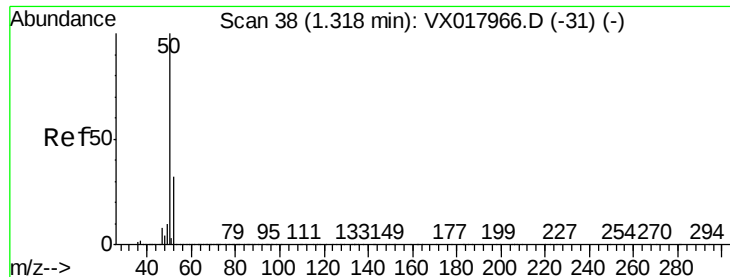
100000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 43.278 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

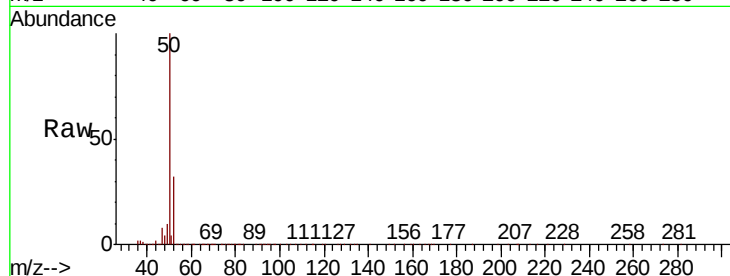
VSTDCCC050EC

Tot Ion: 50 Resp: 276518

Ion Ratio Lower Upper

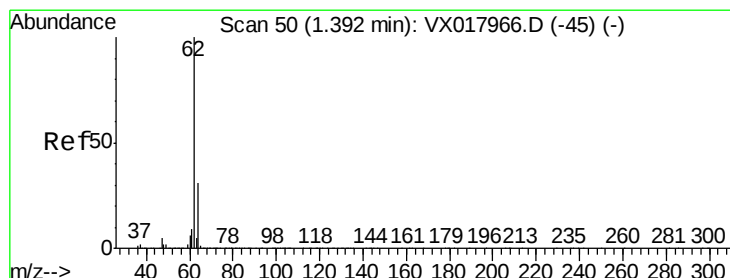
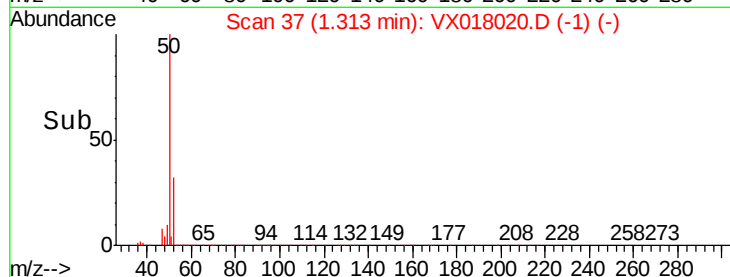
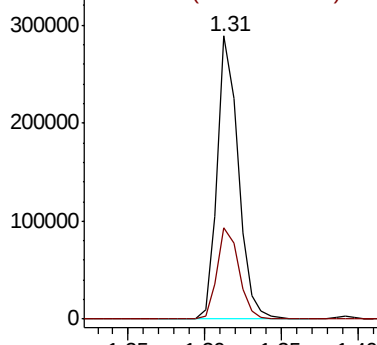
50 100

52 32.3 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.504 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018020.D

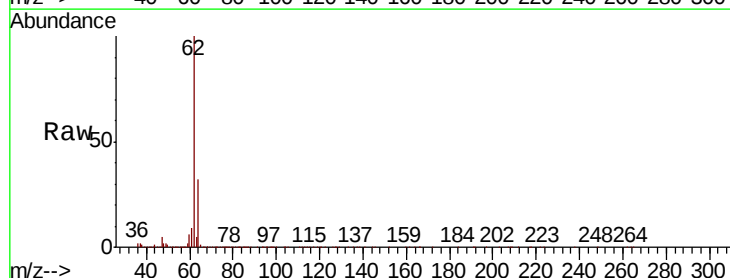
Acq: 20 Aug 2020 06:08

Tgt Ion: 62 Resp: 278827

Ion Ratio Lower Upper

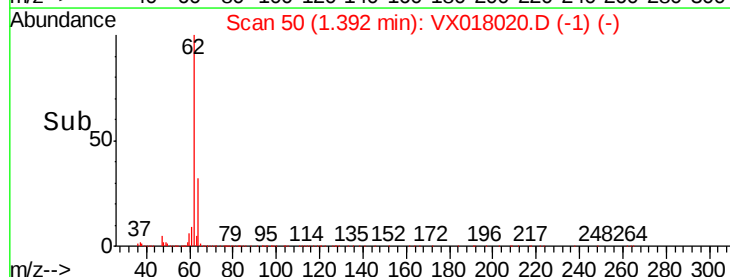
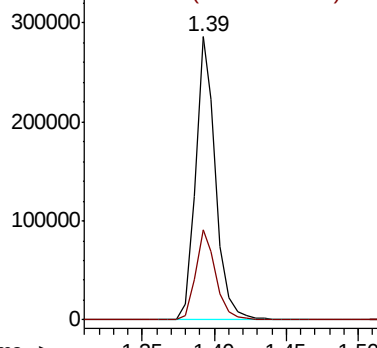
62 100

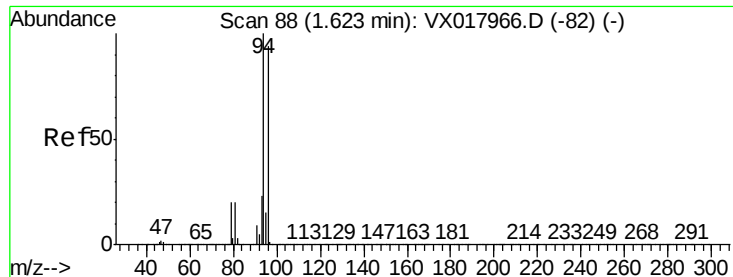
64 31.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.261 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

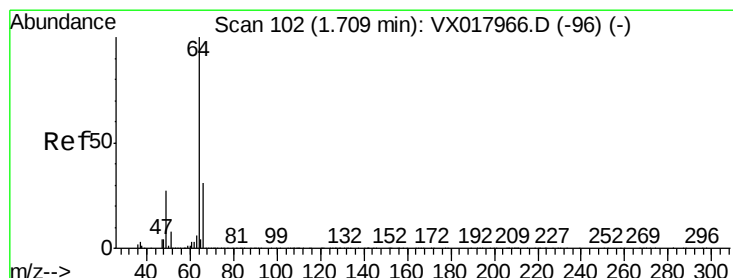
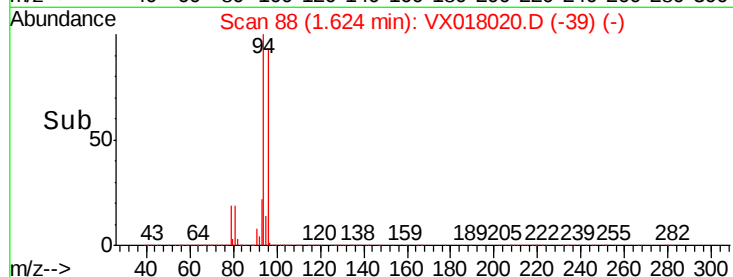
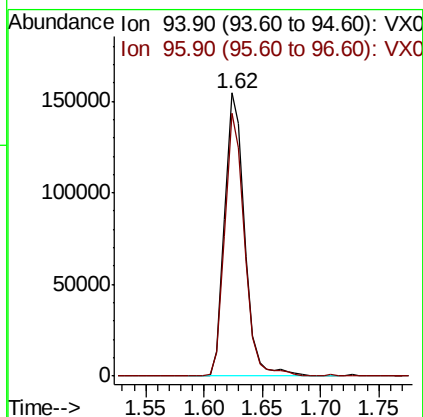
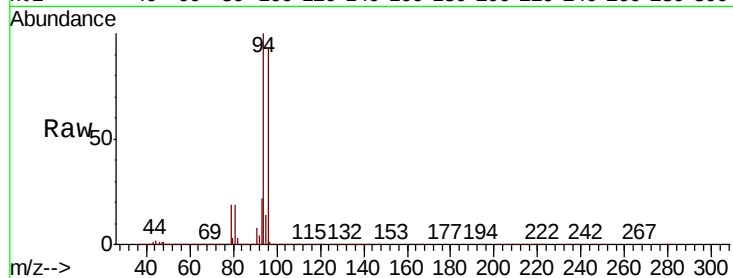
VSTDCCC050EC

Tot Ion: 94 Resp: 183285

Ion Ratio Lower Upper

94 100

96 92.8 75.5 113.3



#6

Chloroethane

Concen: 45.992 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX018020.D

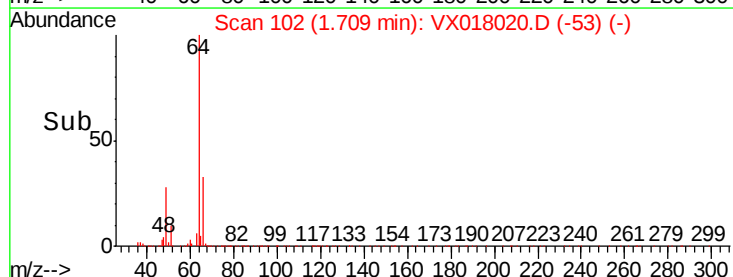
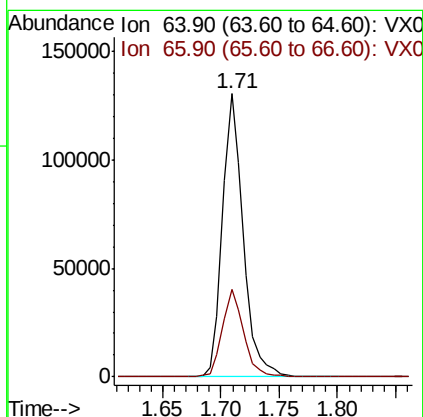
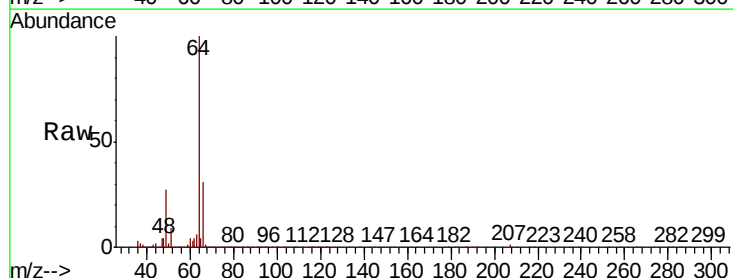
Acq: 20 Aug 2020 06:08

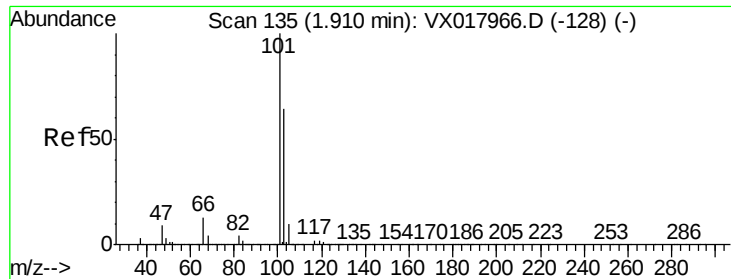
Tgt Ion: 64 Resp: 161150

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4



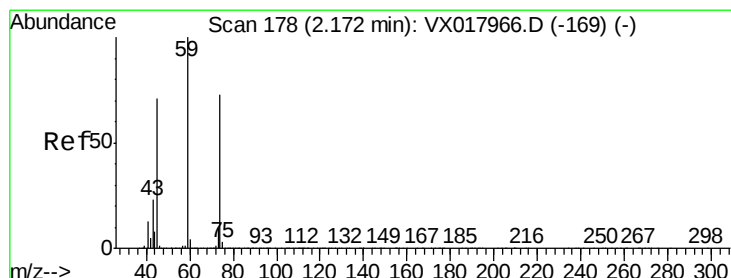
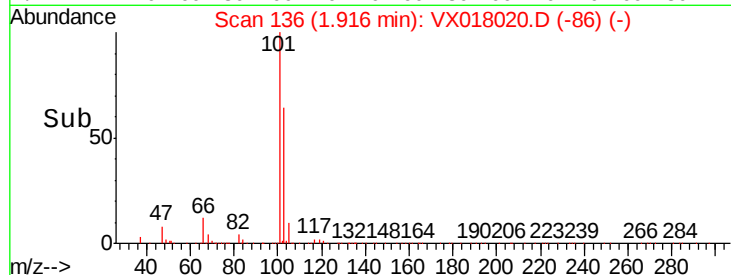
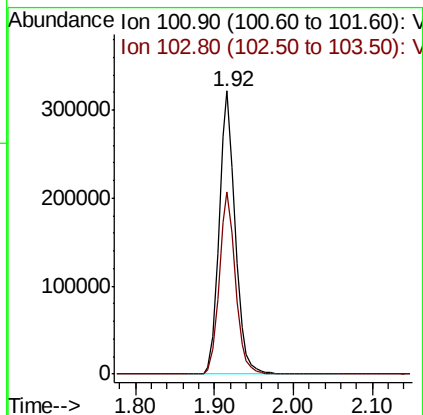
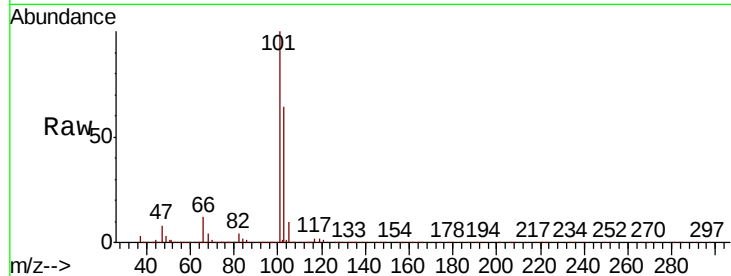


#7

Trichlorofluoromethane
Concen: 46.520 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

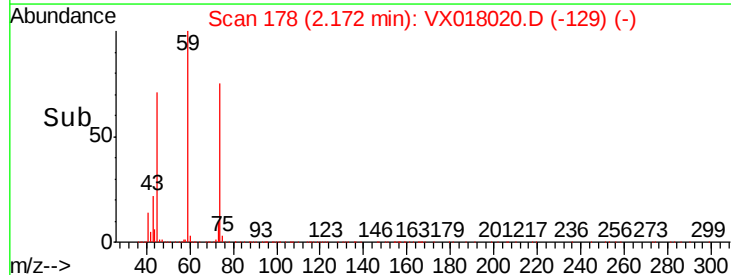
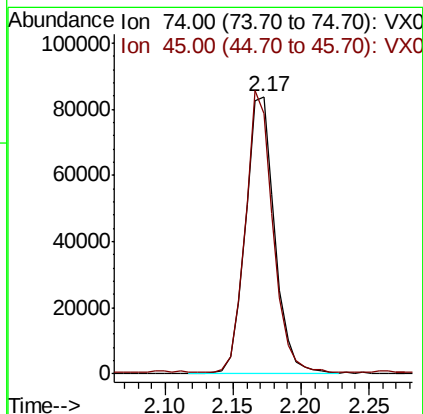
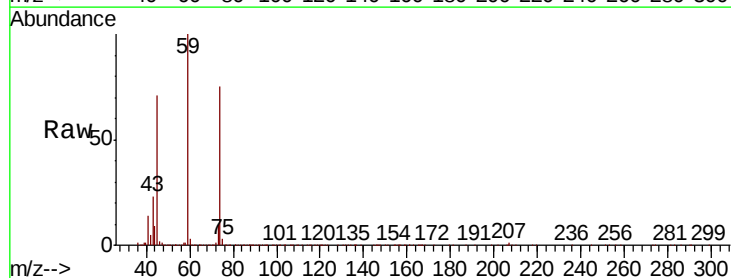
Tot Ion:101 Resp: 455135
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

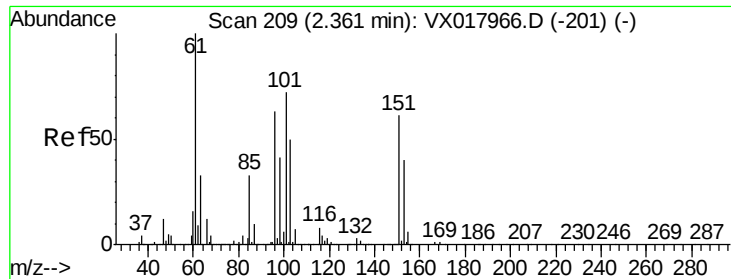


#8

Diethyl Ether
Concen: 43.862 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 74 Resp: 125066
Ion Ratio Lower Upper
74 100
45 96.4 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.153 ug/l

RT: 2.37 min Scan# 210

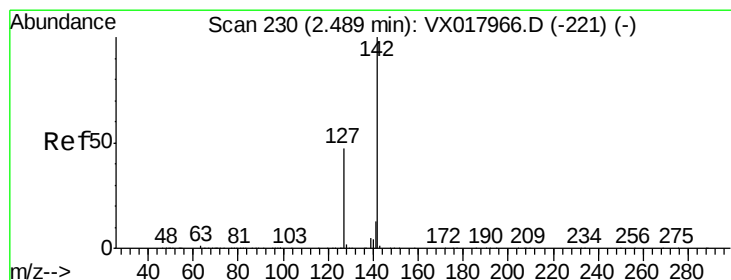
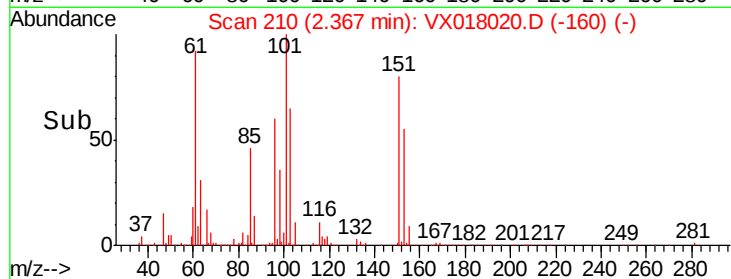
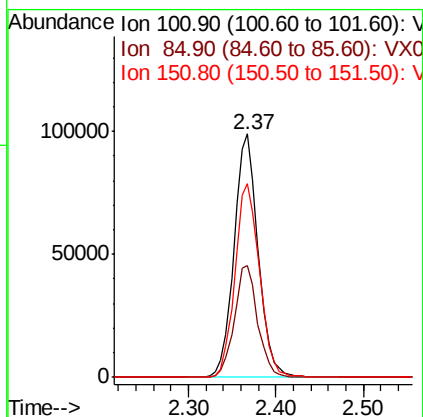
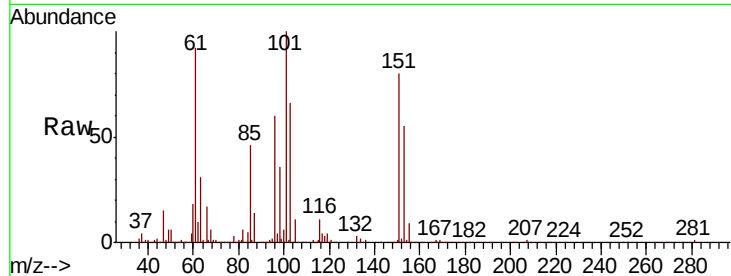
Delta R.T. 0.01 min

Lab File: VX018020.D

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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.4	53.2
151	81.2	65.4	98.0



#10

Methyl Iodide

Concen: 42.984 ug/l

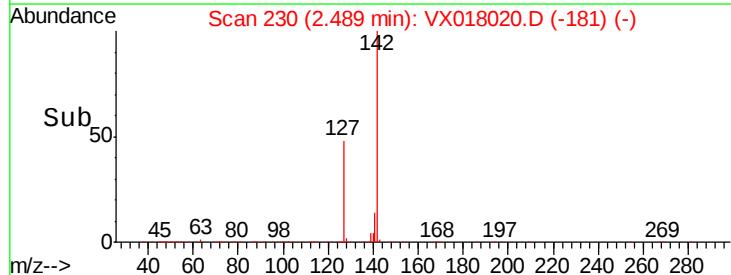
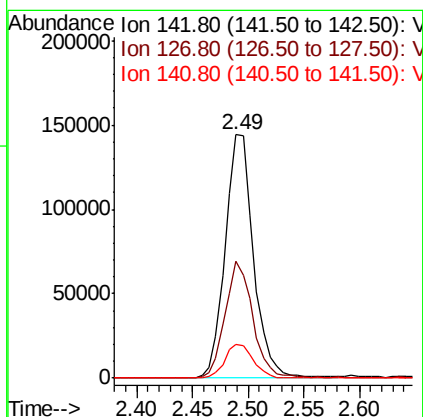
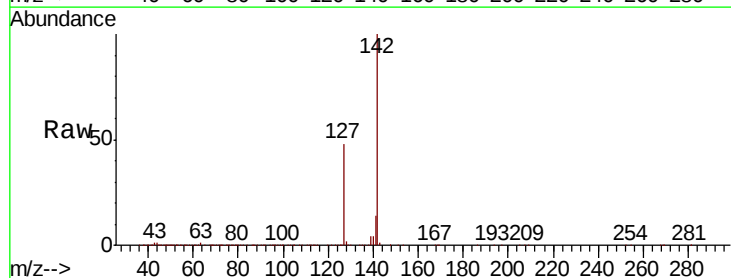
RT: 2.49 min Scan# 230

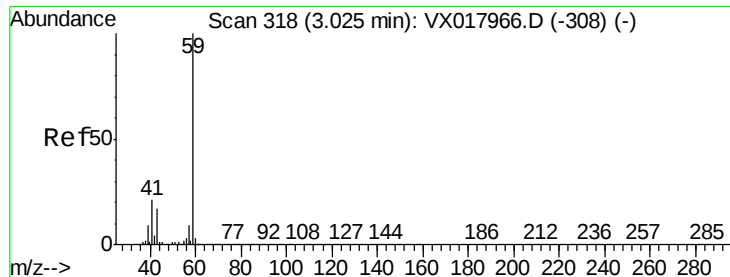
Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.2	38.0	57.0
141	14.1	11.2	16.8

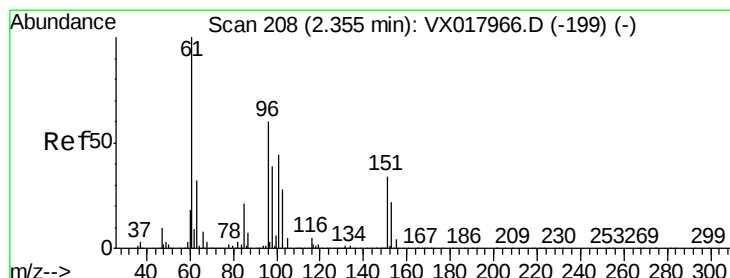
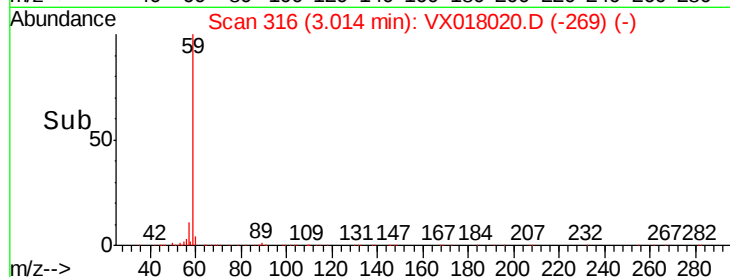
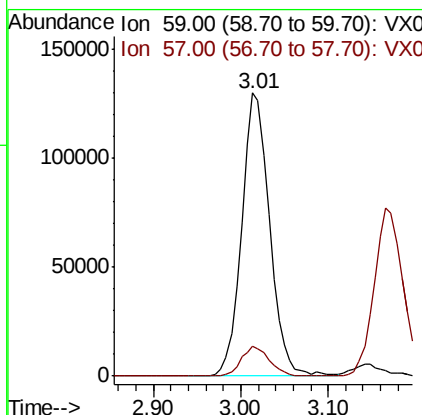
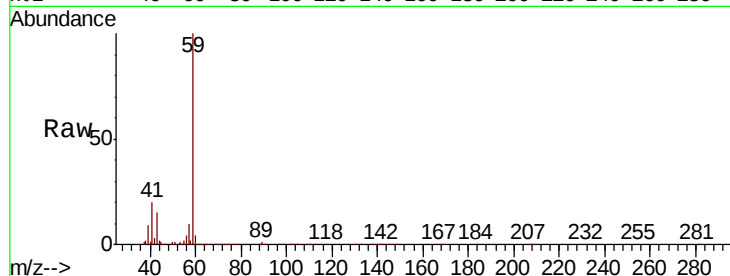




#11
Tert butyl alcohol
Concen: 217.657 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

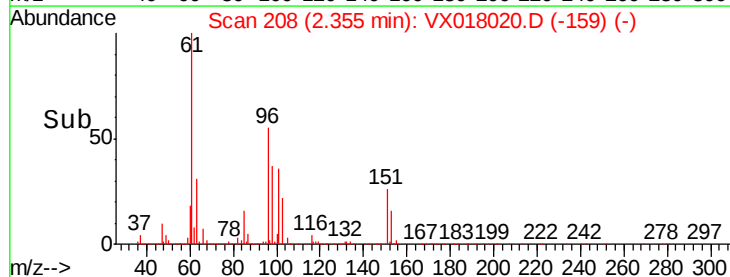
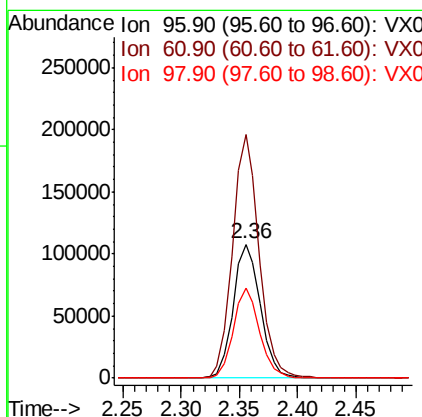
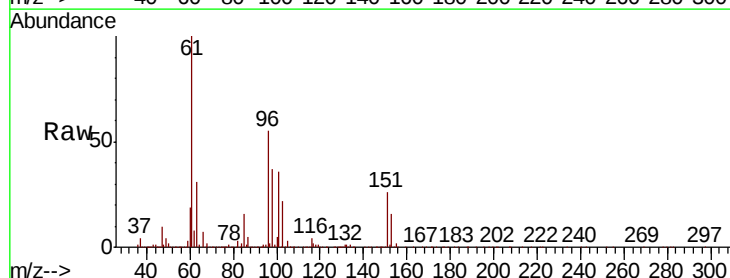
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

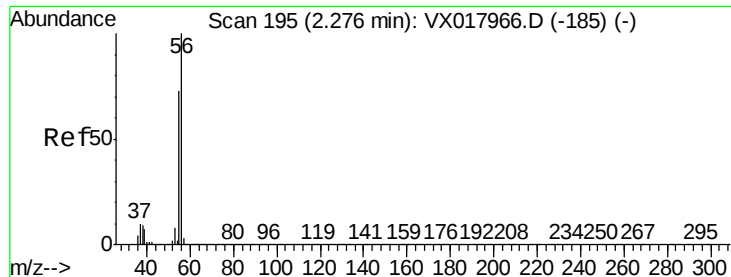
Tot Ion: 59 Resp: 287814
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0



#12
1,1-Dichloroethene
Concen: 41.497 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 96 Resp: 174748
Ion Ratio Lower Upper
96 100
61 182.3 132.9 199.3
98 67.8 51.6 77.4

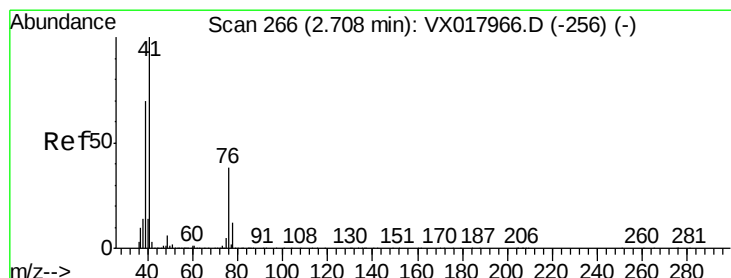
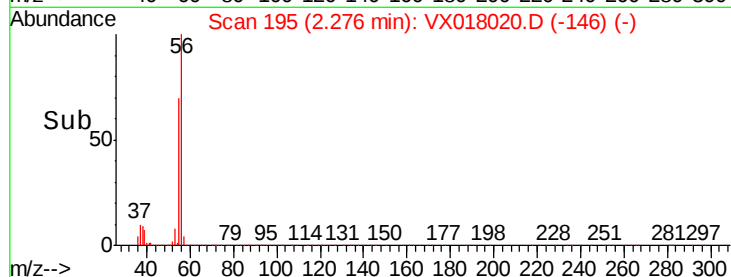
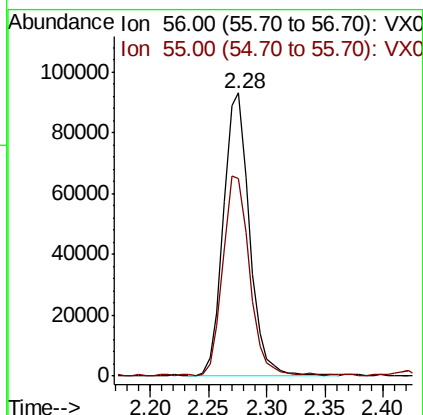
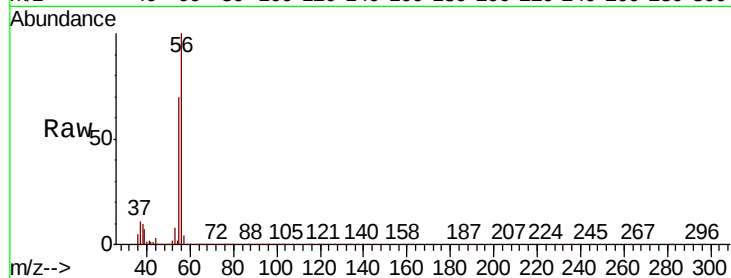




#13
Acrolein
Concen: 205.812 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

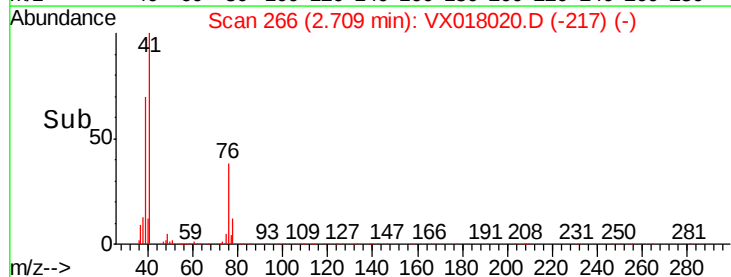
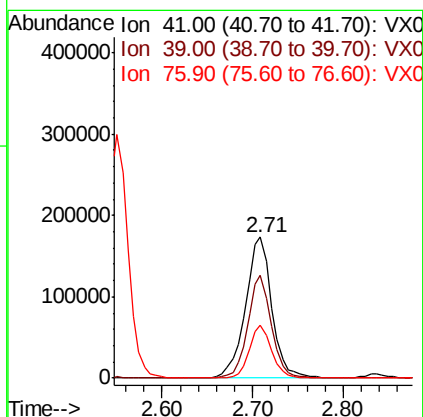
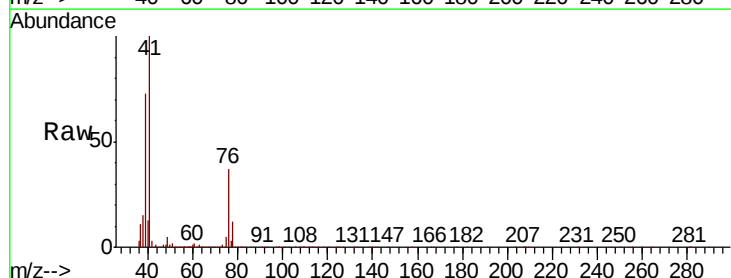
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

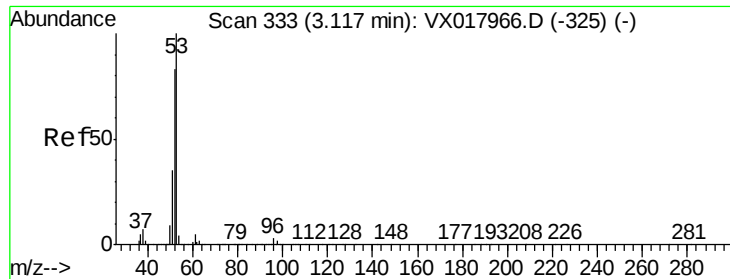
Tot Ion: 56 Resp: 143763
Ion Ratio Lower Upper
56 100
55 71.2 58.2 87.4



#14
Allyl chloride
Concen: 46.269 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 41 Resp: 347507
Ion Ratio Lower Upper
41 100
39 64.6 51.7 77.5
76 31.7 26.3 39.5

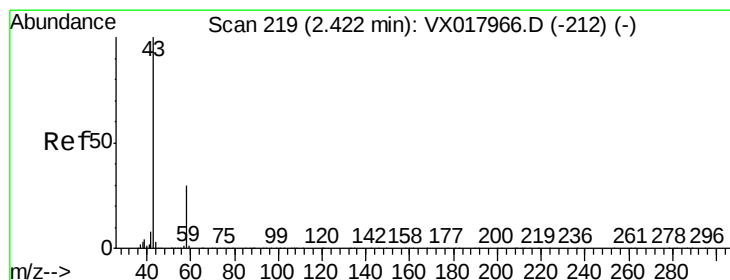
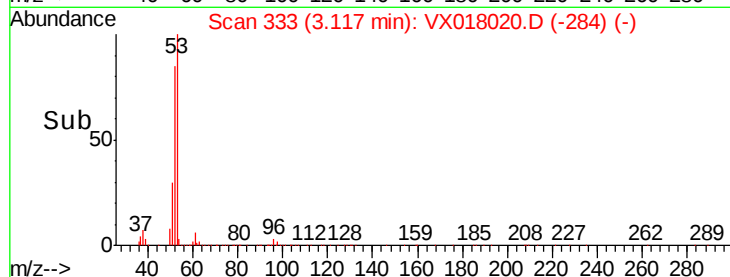
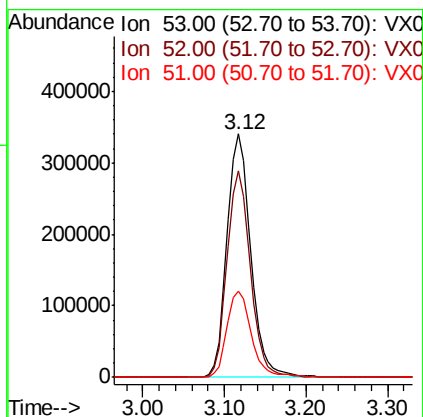
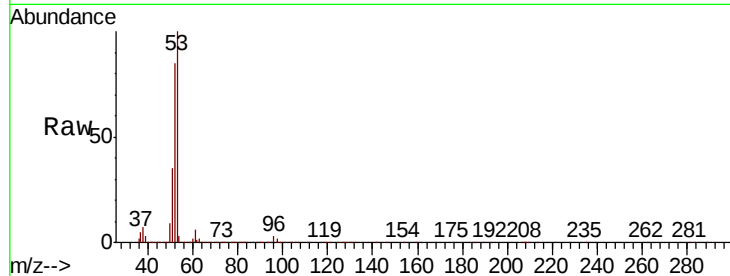




#15
 Acrylonitrile
 Concen: 236.911 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

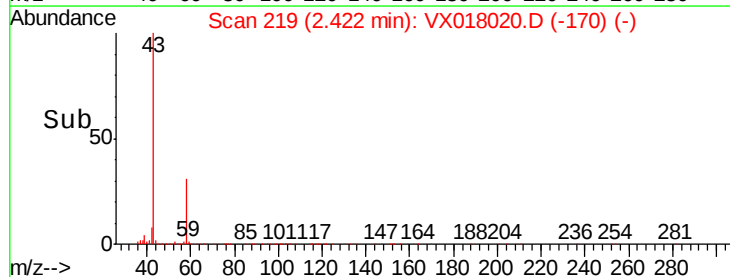
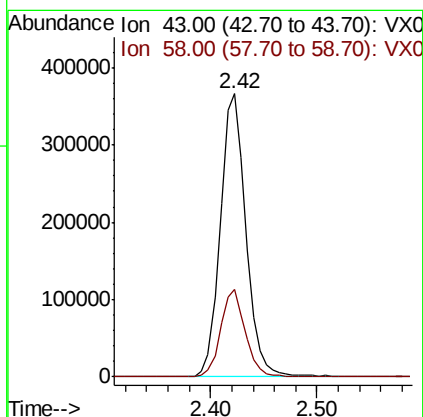
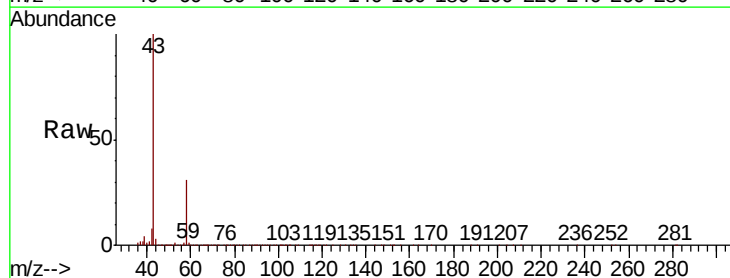
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

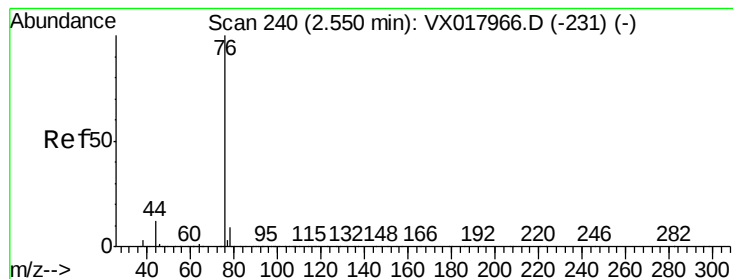
Tot Ion	53	Resp	684156
Ion Ratio	Lower	Upper	
53	100		
52	83.5	67.1	100.7
51	36.3	29.2	43.8



#16
 Acetone
 Concen: 226.139 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion	43	Resp	609310
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.8	35.8





#17

Carbon Disulfide

Concen: 47.357 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

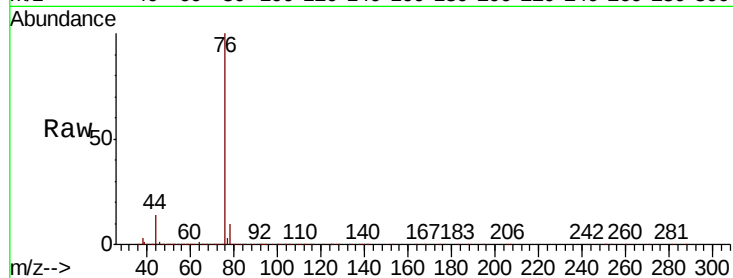
VSTDCCC050EC

Tot Ion: 76 Resp: 483861

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX017966.D (-231) (-)

Ion 77.90 (77.60 to 78.60): VX017966.D (-231) (-)

2.55

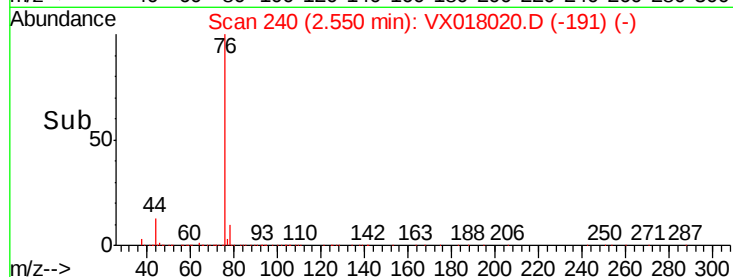
300000

200000

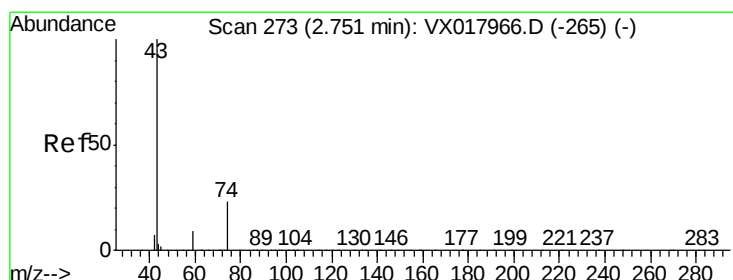
100000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.454 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018020.D

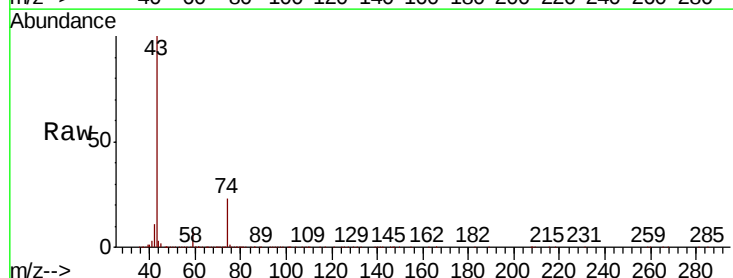
Acq: 20 Aug 2020 06:08

Tgt Ion: 43 Resp: 328518

Ion Ratio Lower Upper

43 100

74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX017966.D (-265) (-)

Ion 74.00 (73.70 to 74.70): VX017966.D (-265) (-)

2.75

200000

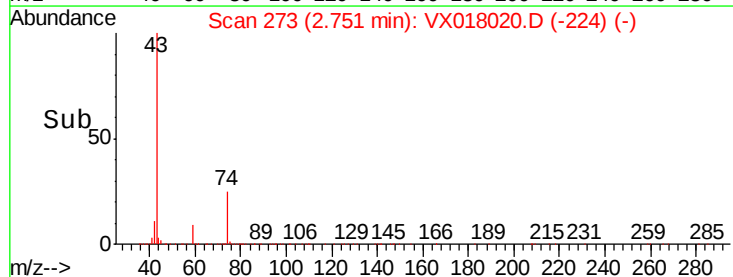
150000

100000

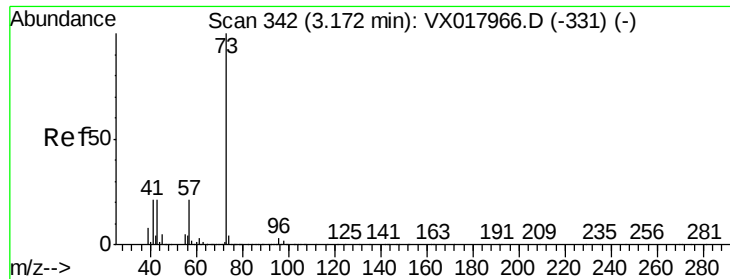
50000

0

Time-->



Time-->

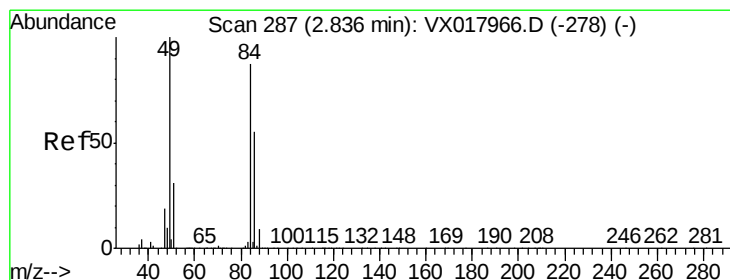
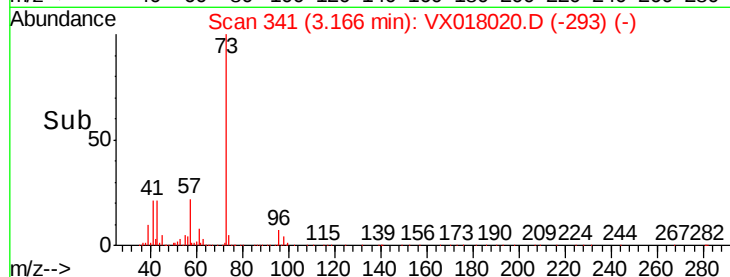
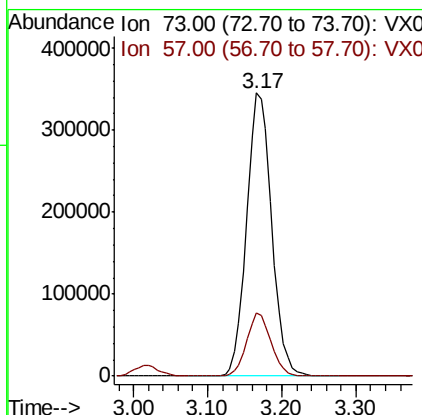
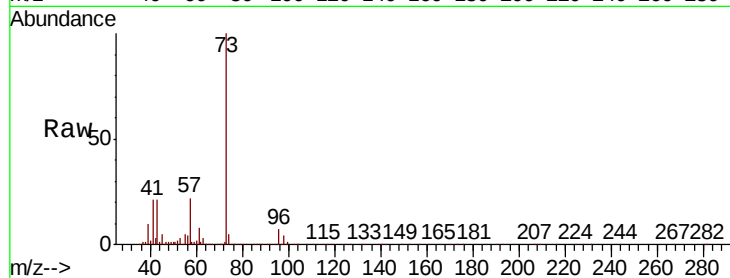


#19

Methyl tert-butyl Ether
 Concen: 50.716 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

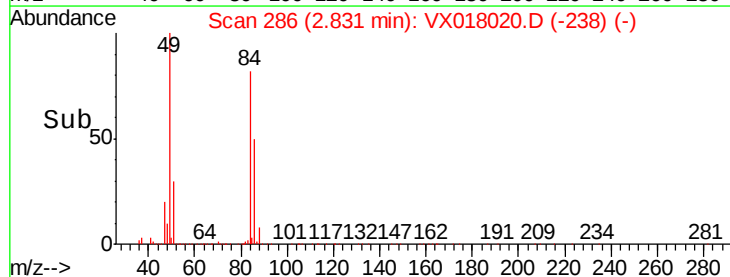
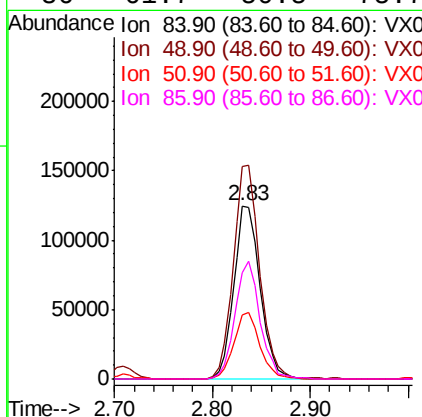
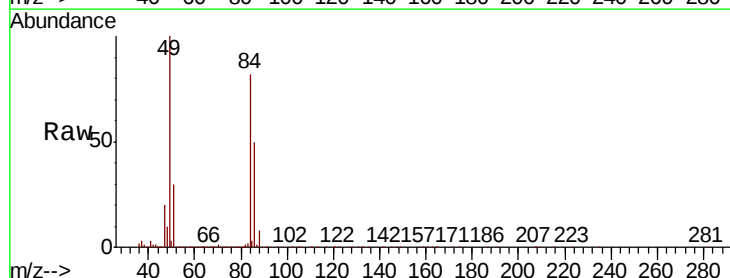
Tot Ion: 73 Resp: 816533
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.9 25.3

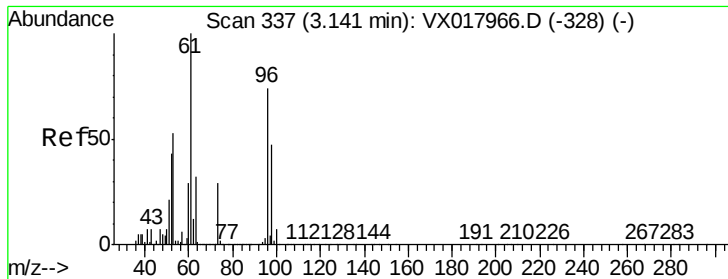


#20

Methylene Chloride
 Concen: 46.793 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion: 84 Resp: 232290
 Ion Ratio Lower Upper
 84 100
 49 122.3 91.8 137.6
 51 36.7 27.8 41.8
 86 61.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.018 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

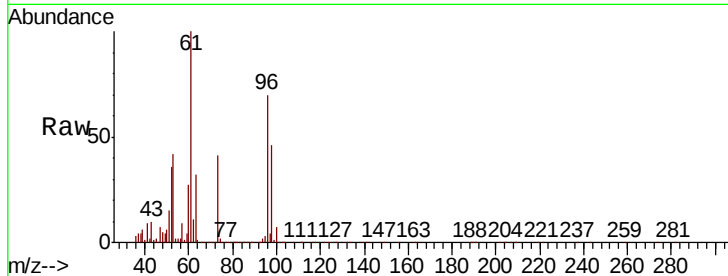
Tot Ion: 96 Resp: 212211

Ion Ratio Lower Upper

96 100

61 142.3 108.6 163.0

98 66.1 51.4 77.0

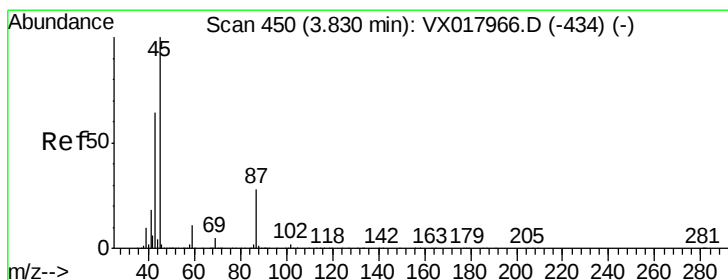
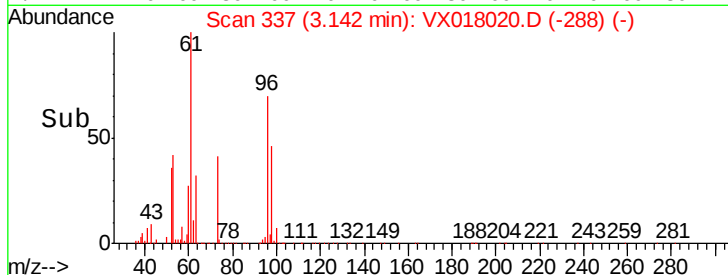
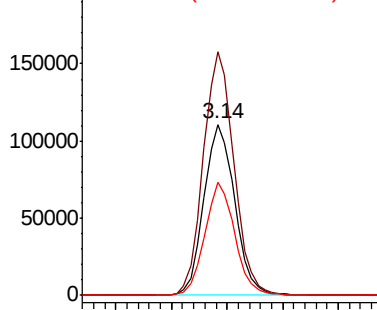


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.946 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Tgt Ion: 45 Resp: 817853

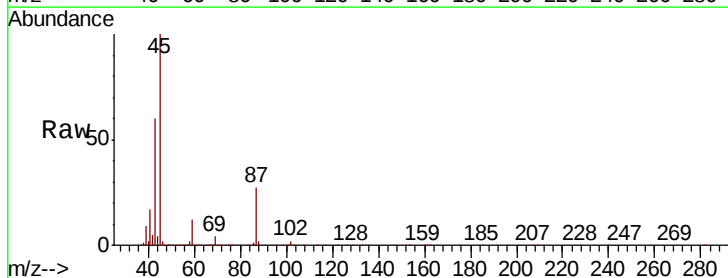
Ion Ratio Lower Upper

45 100

43 59.8 51.5 77.3

87 26.8 22.6 33.8

59 11.5 9.0 13.4



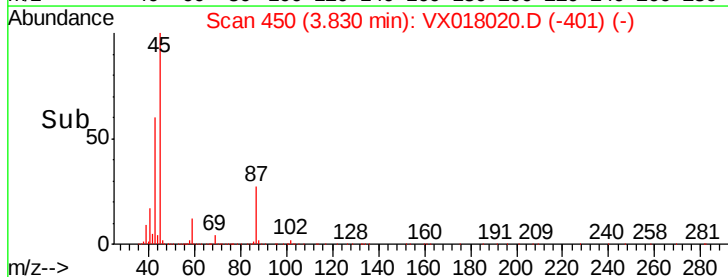
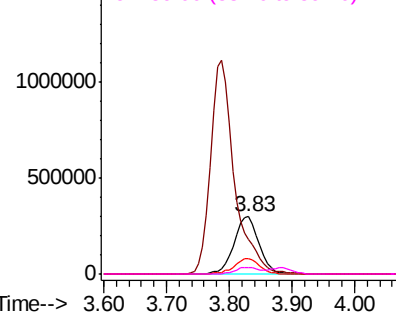
Abundance

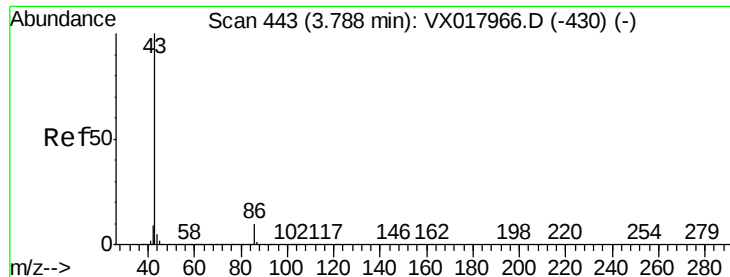
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 243.912 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

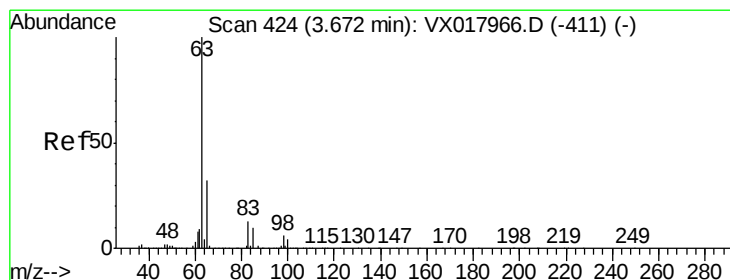
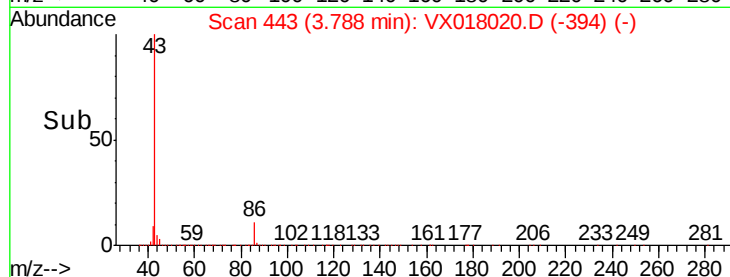
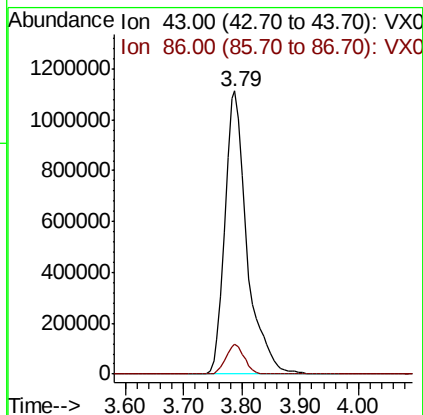
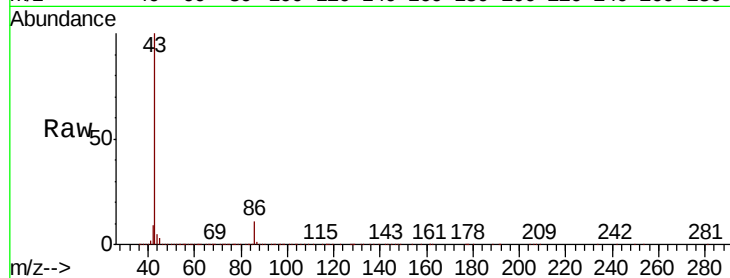
VSTDCCC050EC

Tot Ion: 43 Resp: 2934698

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 49.218 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

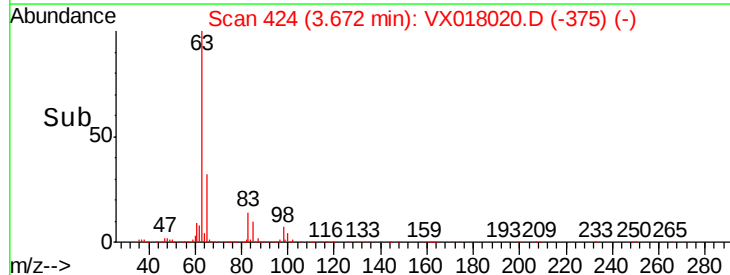
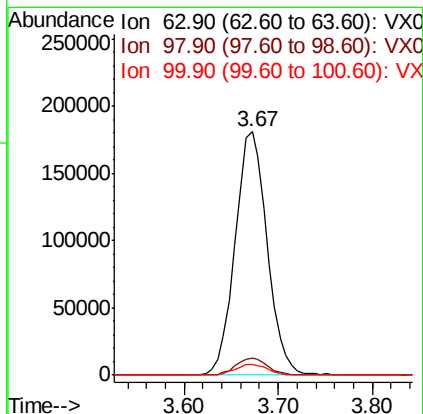
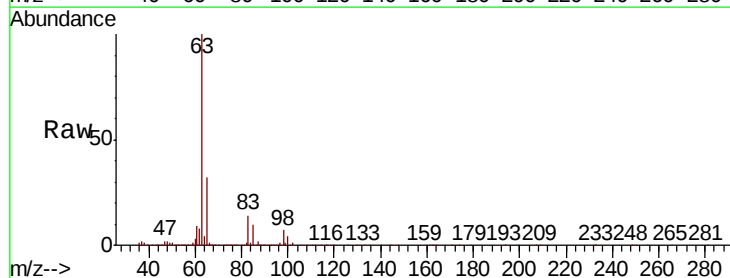
Tgt Ion: 63 Resp: 429572

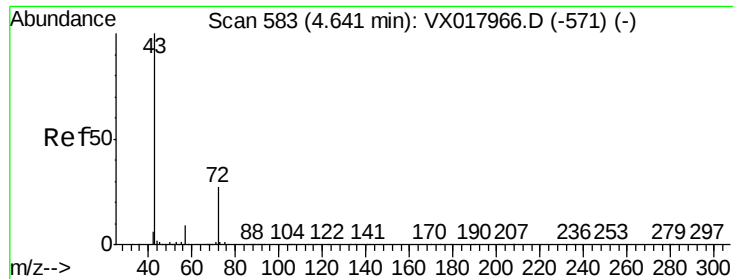
Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.0

100 4.5 2.0 5.8





#25

2-Butanone

Concen: 233.483 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

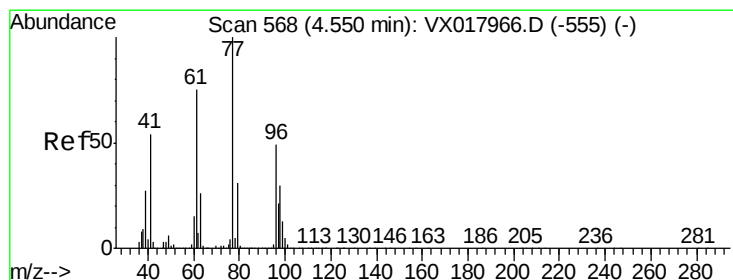
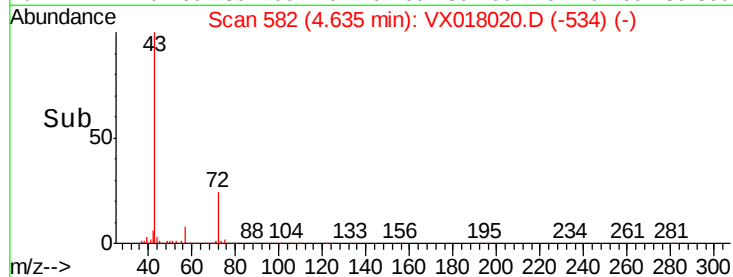
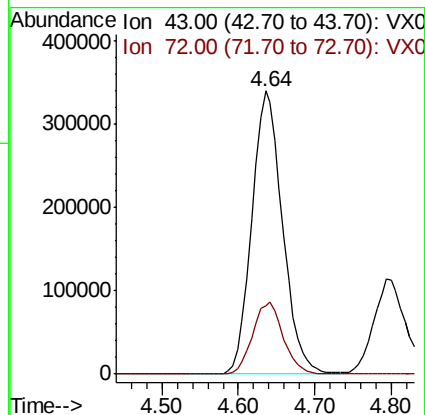
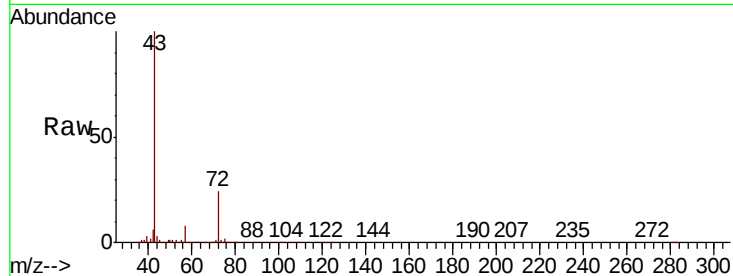
VSTDCCC050EC

Tot Ion: 43 Resp: 952403

Ion Ratio Lower Upper

43 100

72 24.3 21.4 32.2



#26

2,2-Dichloropropane

Concen: 31.018 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX018020.D

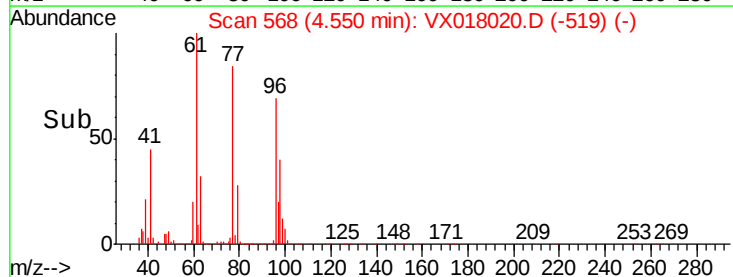
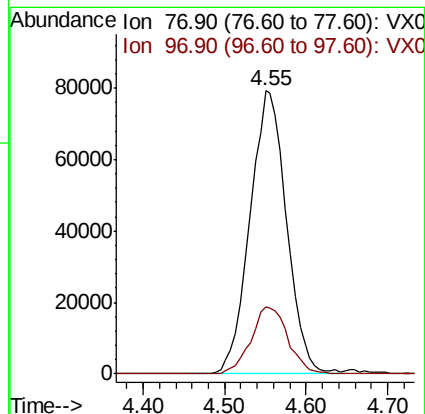
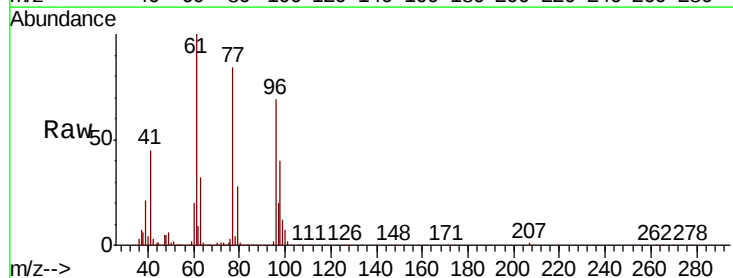
Acq: 20 Aug 2020 06:08

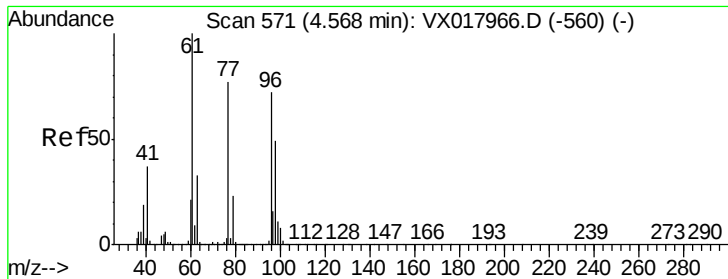
Tgt Ion: 77 Resp: 246530

Ion Ratio Lower Upper

77 100

97 23.9 10.9 32.9



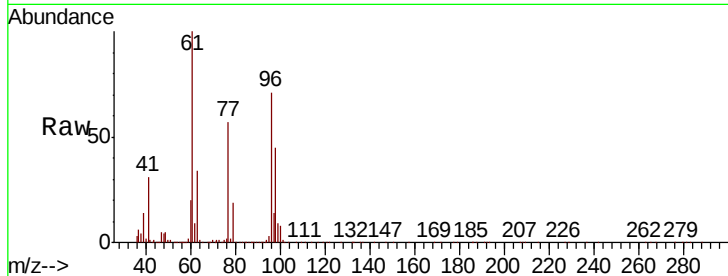


#27

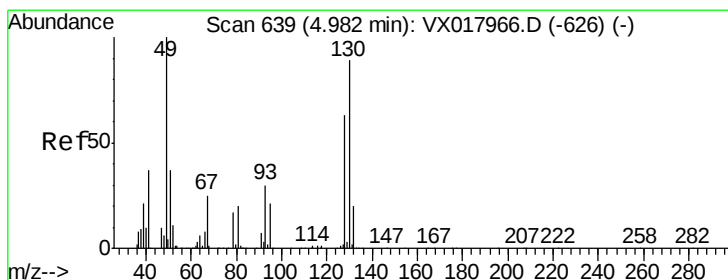
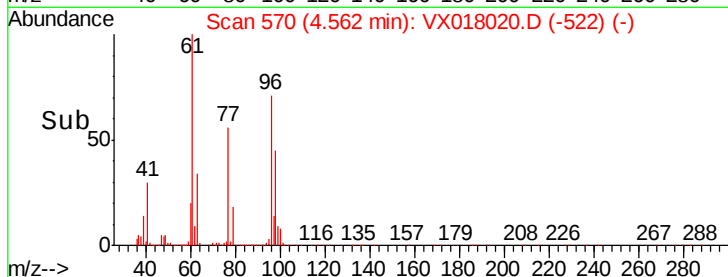
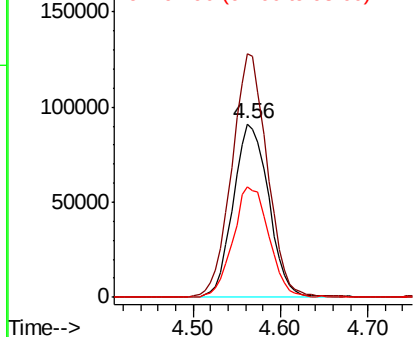
cis-1,2-Dichloroethene
Concen: 50.479 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	298.8
98	64.4	0.0	130.2



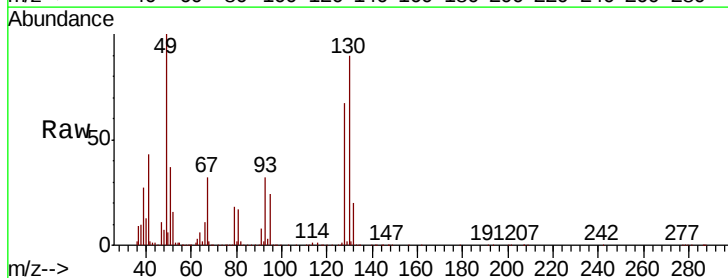
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



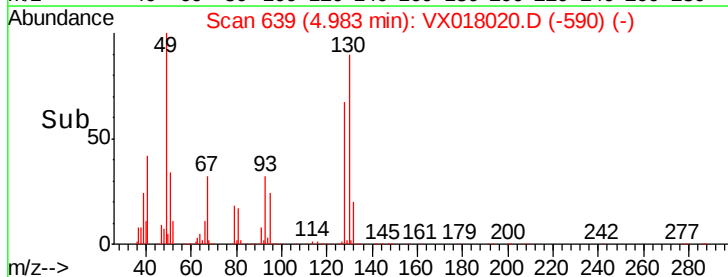
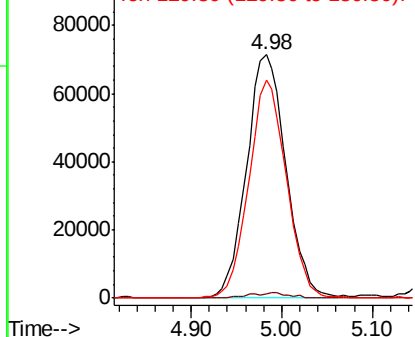
#28

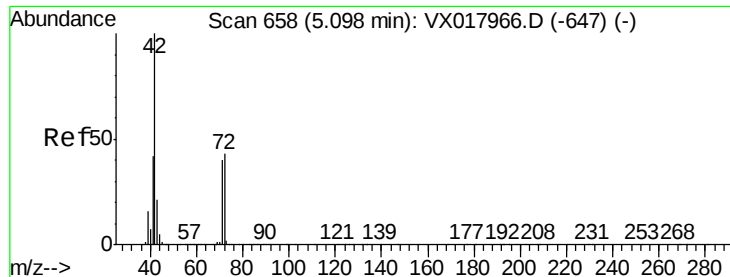
Bromochloromethane
Concen: 47.379 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	86.0	68.5	102.7



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 239.067 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

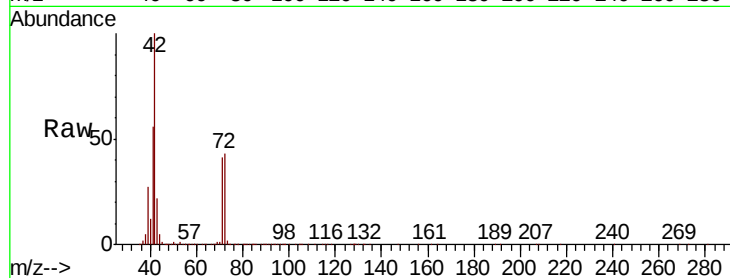
Tot Ion: 42 Resp: 605650

Ion Ratio Lower Upper

42 100

72 44.8 35.9 53.9

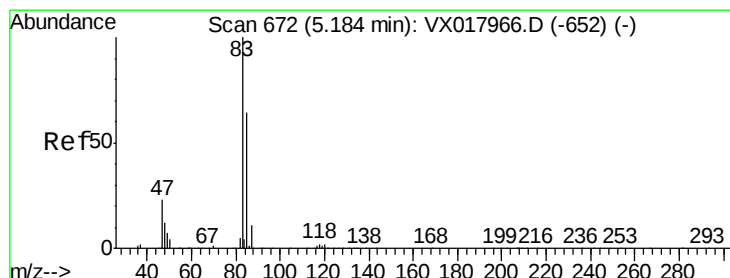
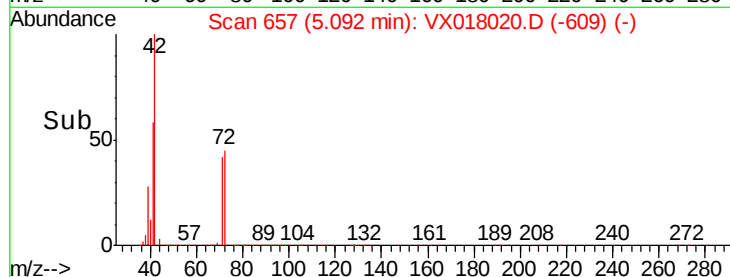
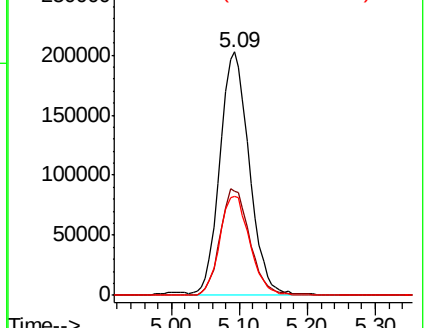
71 42.0 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.636 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018020.D

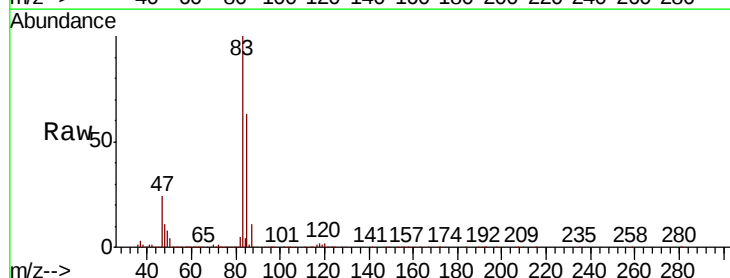
Acq: 20 Aug 2020 06:08

Tgt Ion: 83 Resp: 463973

Ion Ratio Lower Upper

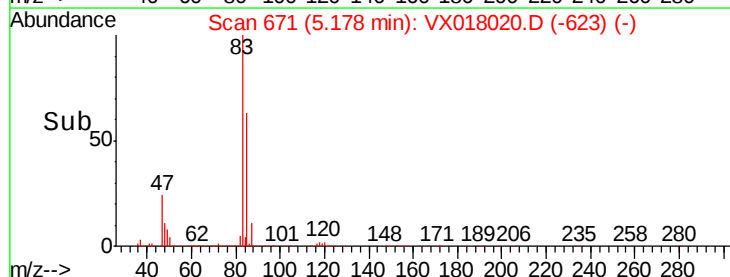
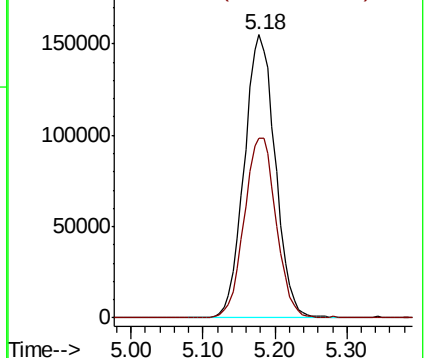
83 100

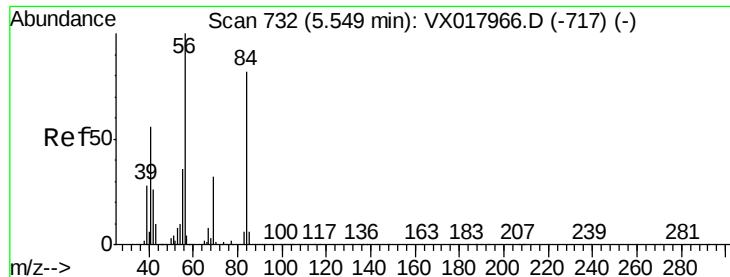
85 63.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

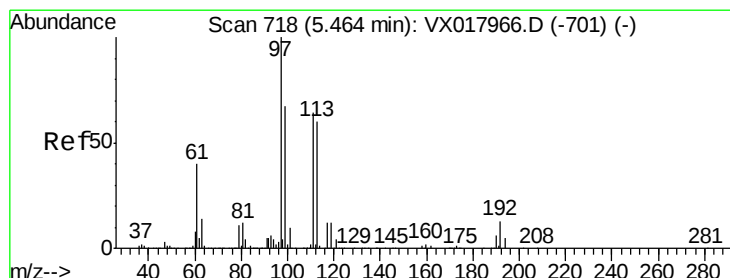
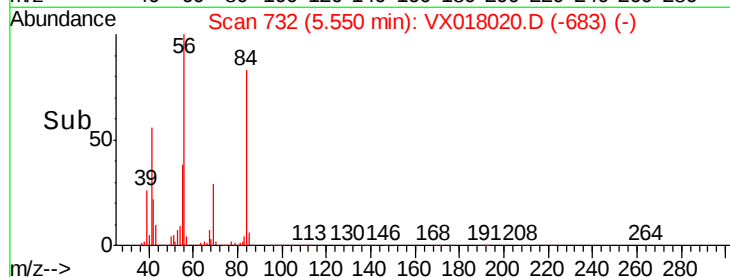
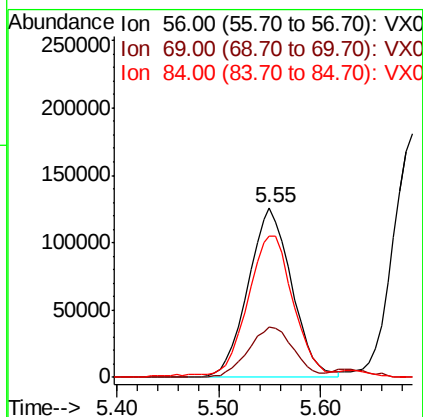
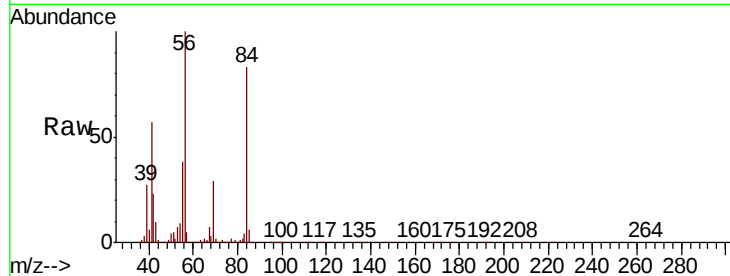




#31
Cyclohexane
Concen: 52.817 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

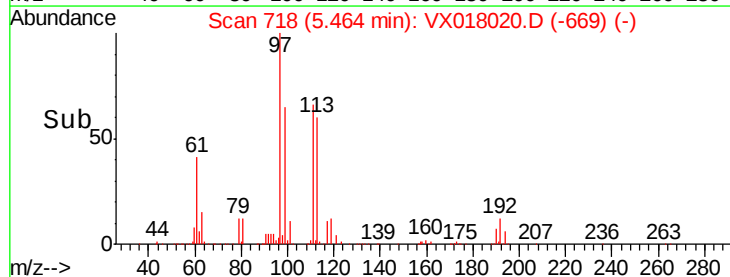
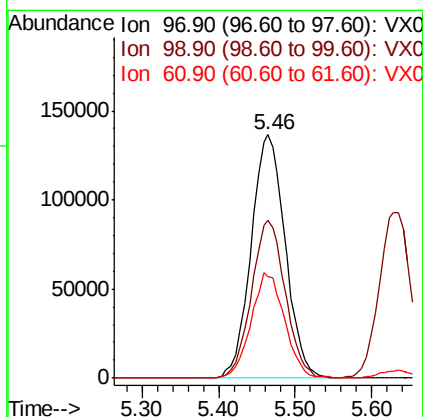
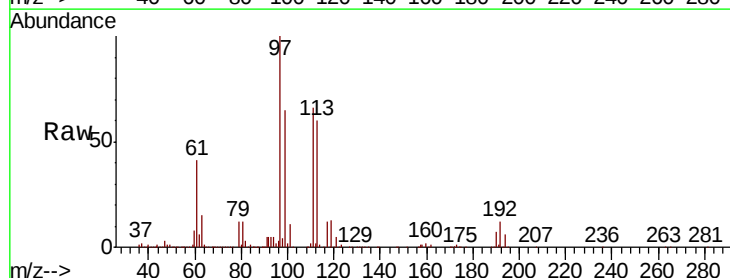
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

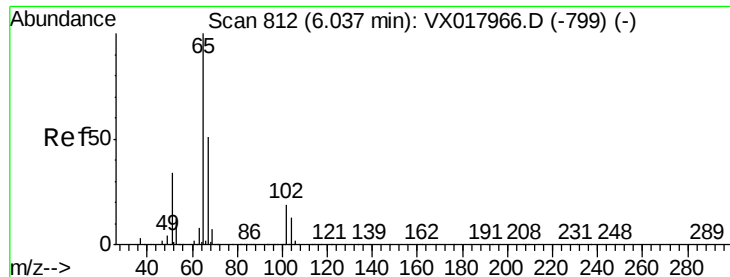
Tot Ion: 56 Resp: 373810
Ion Ratio Lower Upper
56 100
69 29.3 25.3 37.9
84 81.5 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 48.891 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 97 Resp: 423112
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 42.7 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 46.495 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

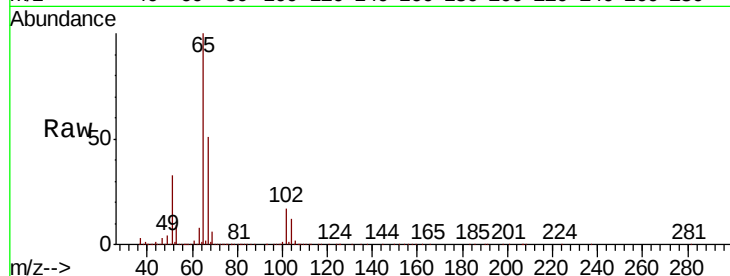
VSTDCCC050EC

Tot Ion: 65 Resp: 318437

Ion Ratio Lower Upper

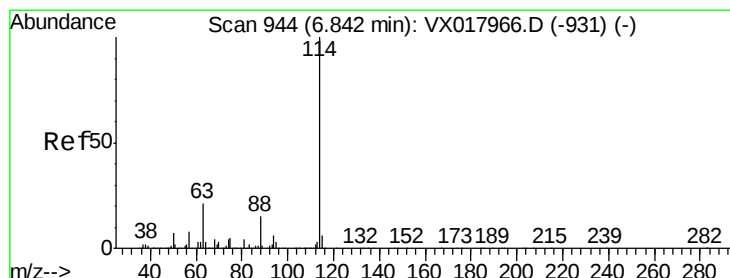
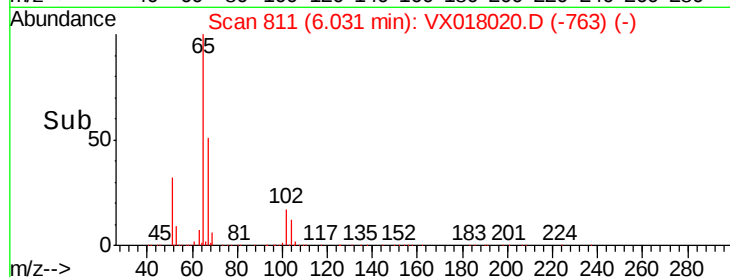
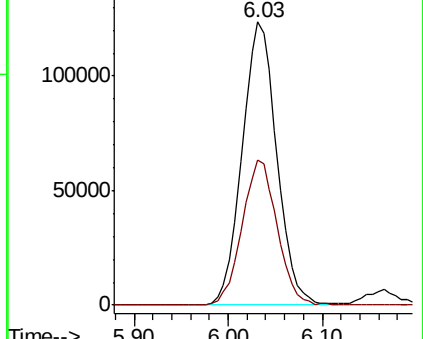
65 100

67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

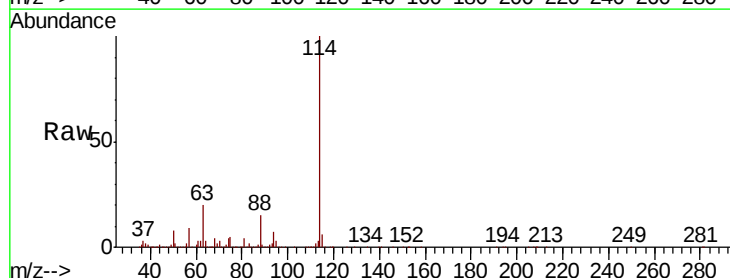
Tgt Ion: 114 Resp: 741978

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

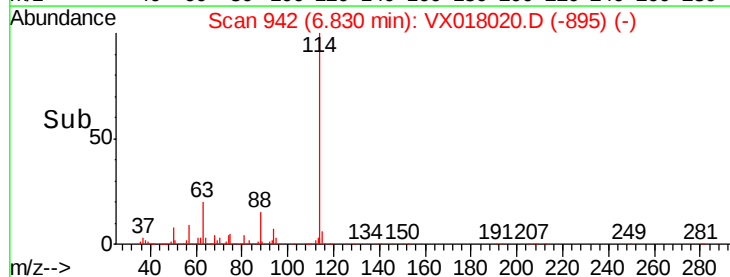
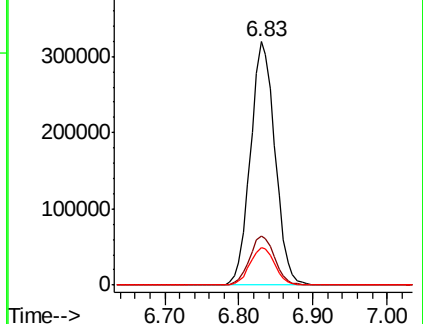
88 15.4 0.0 30.2

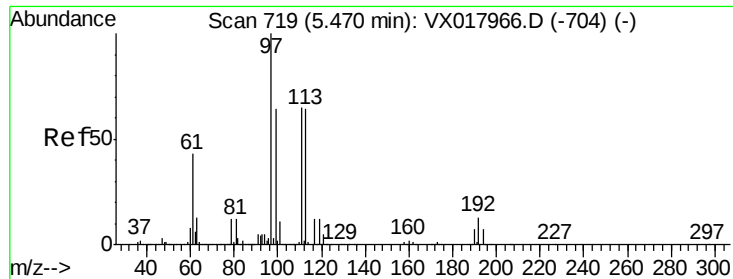


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

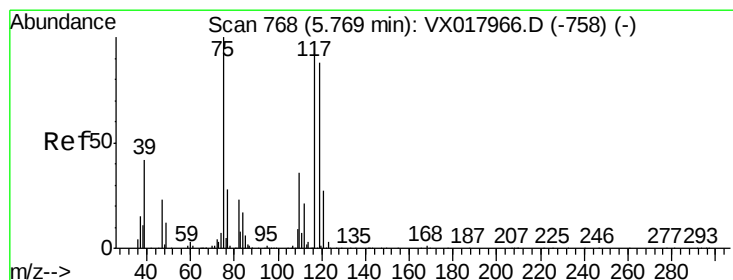
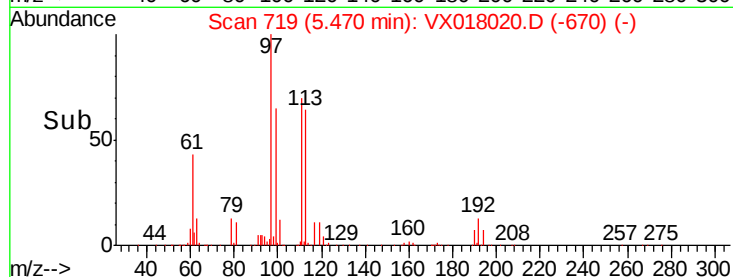
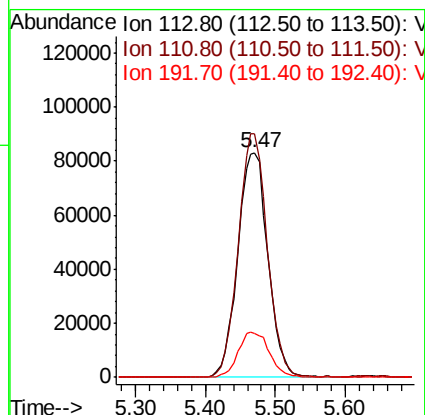
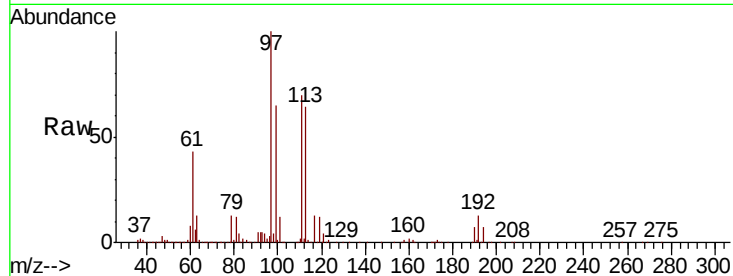




#35
 Dibromofluoromethane
 Concen: 44.850 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

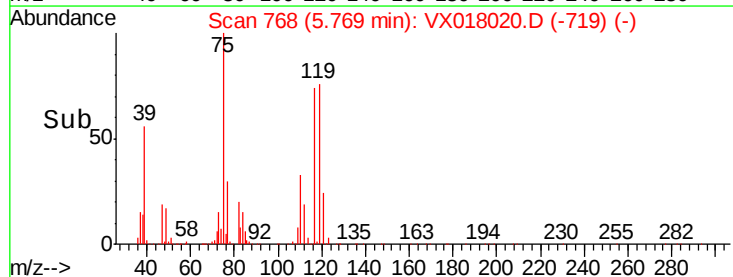
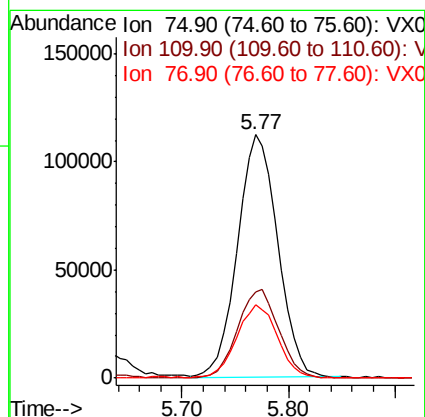
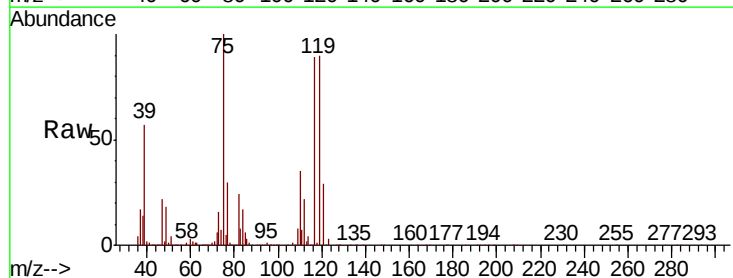
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

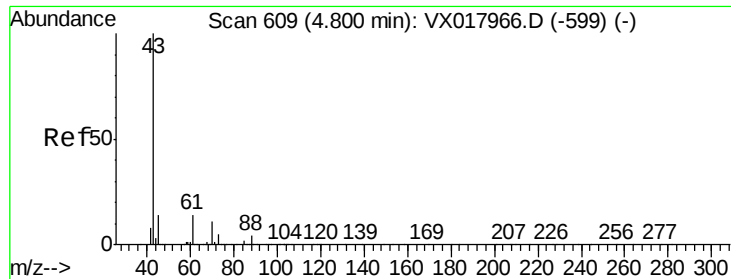
Tot Ion:113 Resp: 247814
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.5 125.3
 192 20.9 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 47.959 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion: 75 Resp: 297845
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.7 56.1
 77 30.5 24.4 36.6

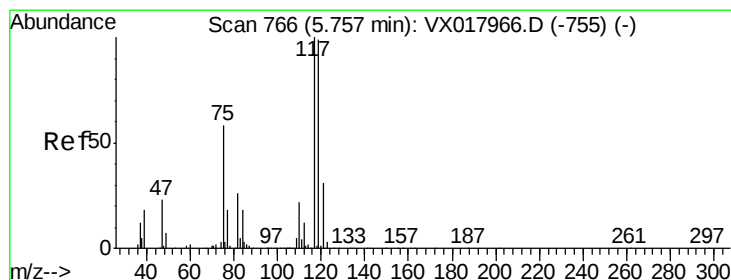
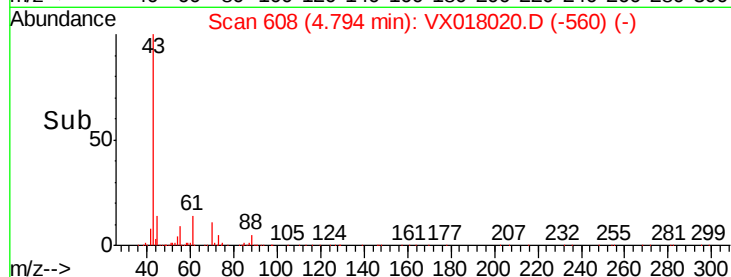
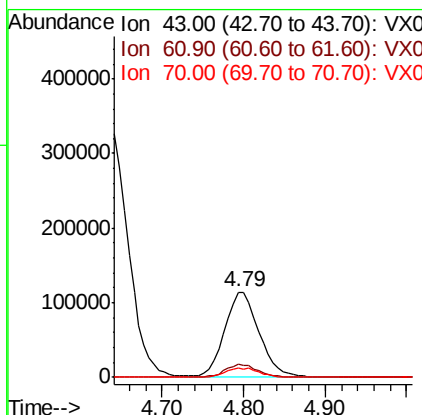
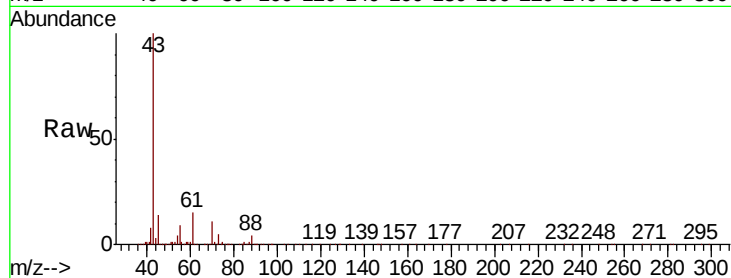




#37
Ethyl Acetate
Concen: 44.960 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

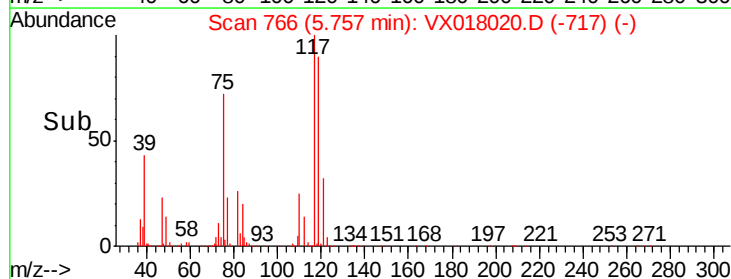
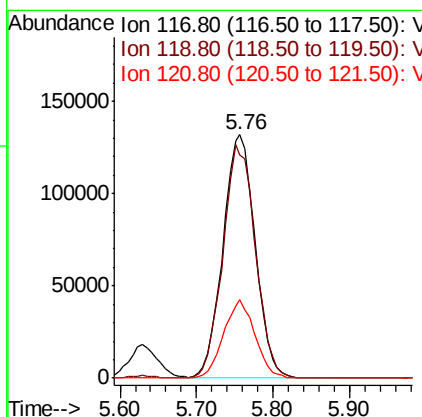
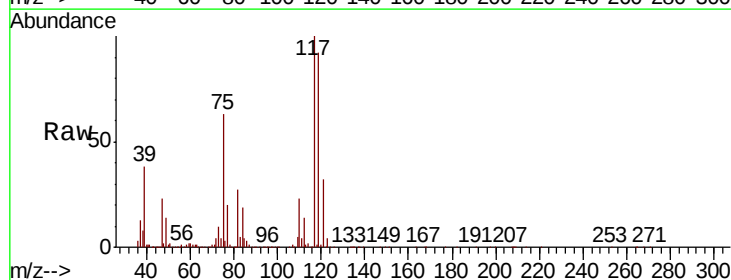
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

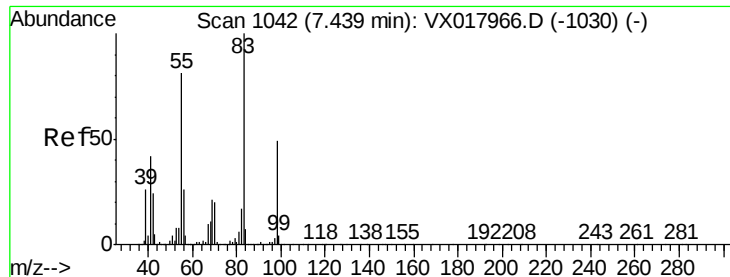
Tot Ion: 43 Resp: 334077
Ion Ratio Lower Upper
43 100
61 13.9 11.3 16.9
70 10.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 47.688 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 117 Resp: 383293
Ion Ratio Lower Upper
117 100
119 91.7 79.0 118.6
121 32.3 24.7 37.1

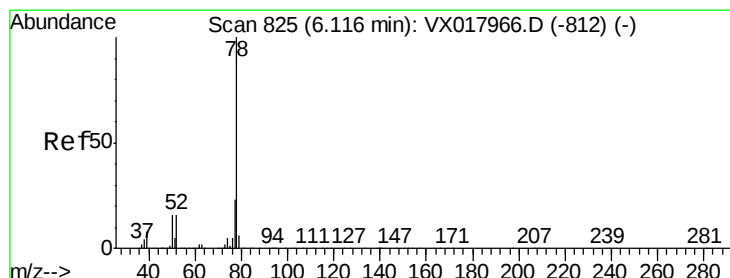
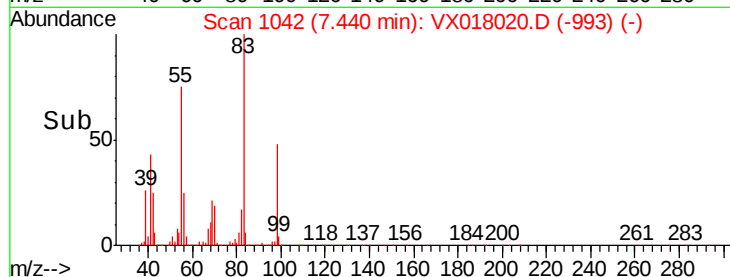
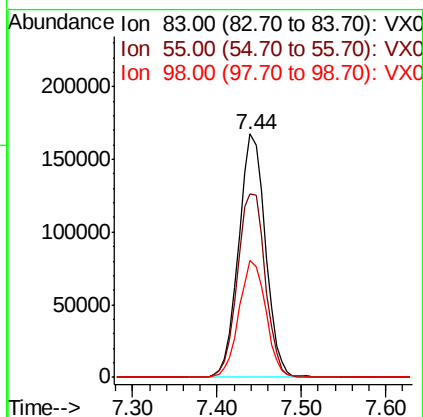
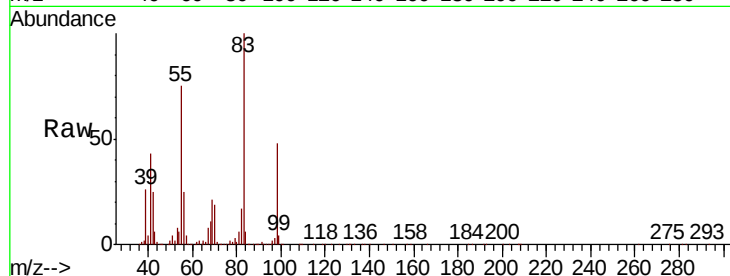




#39
Methvlcvclohexane
Concen: 45.042 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

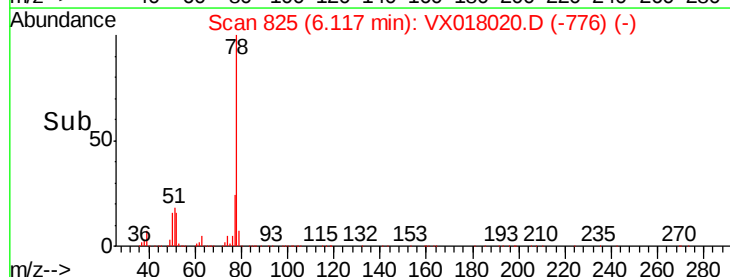
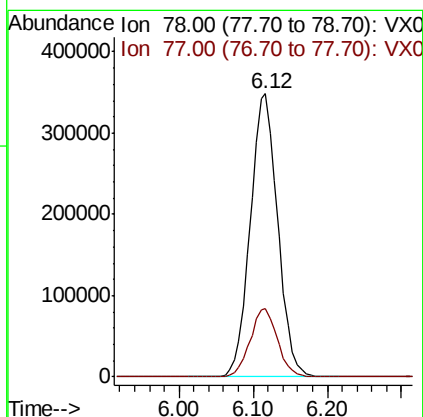
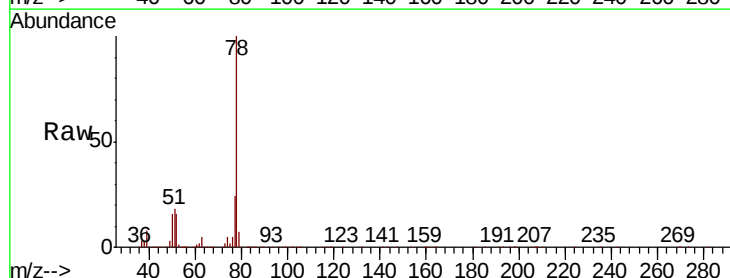
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

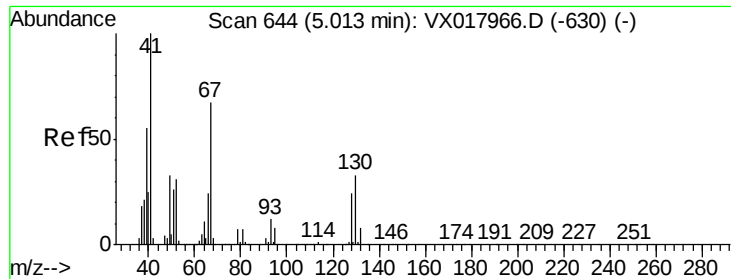
Tot Ion: 83 Resp: 357610
Ion Ratio Lower Upper
83 100
55 75.4 64.5 96.7
98 47.7 39.0 58.6



#40
Benzene
Concen: 48.111 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 78 Resp: 899929
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

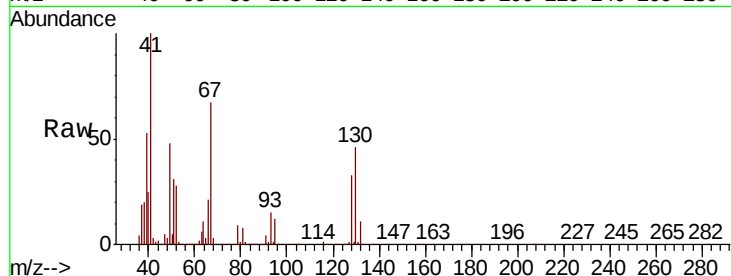




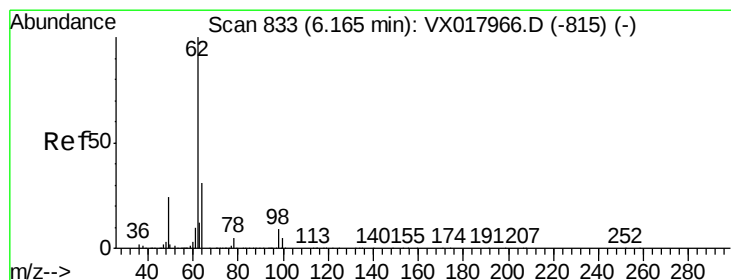
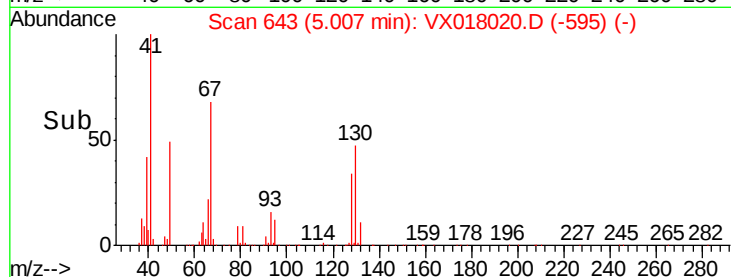
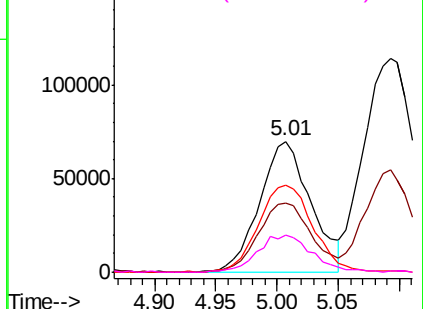
#41
Methacrylonitrile
Concen: 47.607 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	202756
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.8	67.2
67	70.8	57.5	86.3
52	29.3	25.6	38.4

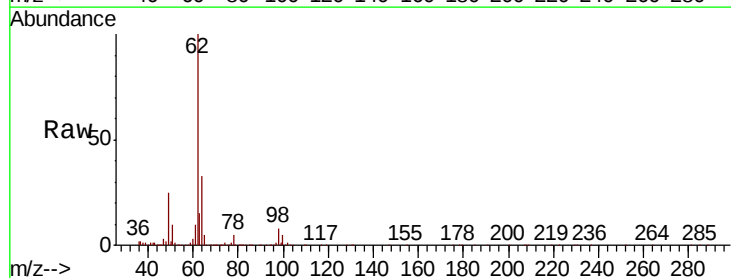


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

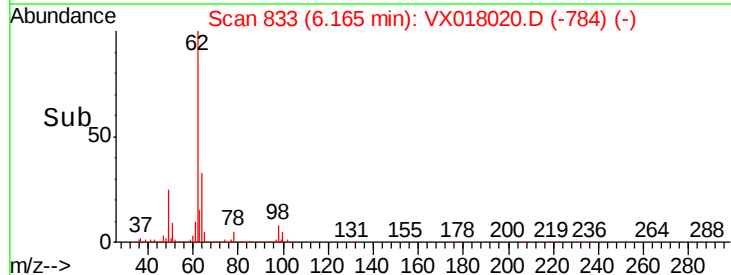
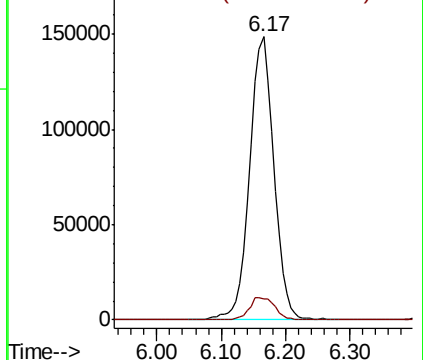


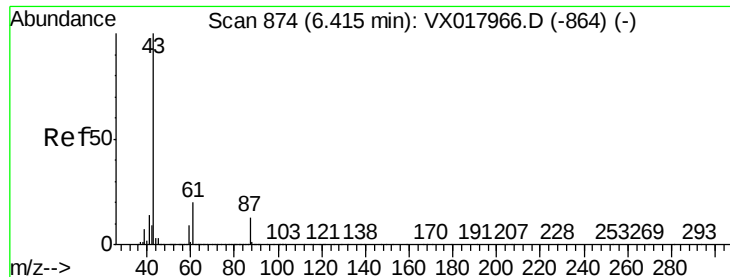
#42
1,2-Dichloroethane
Concen: 47.899 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion:	62	Resp:	380581
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



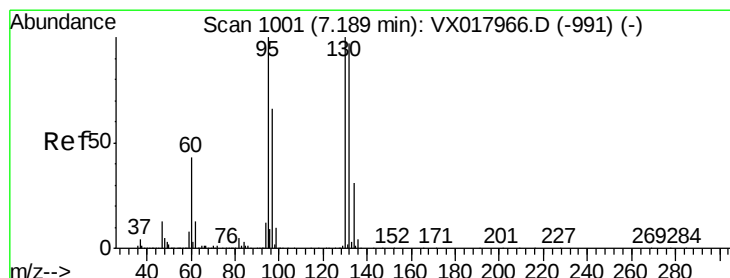
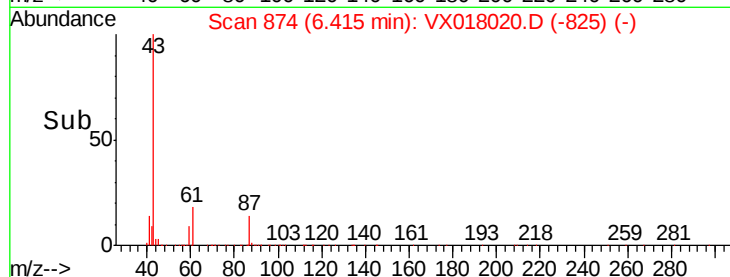
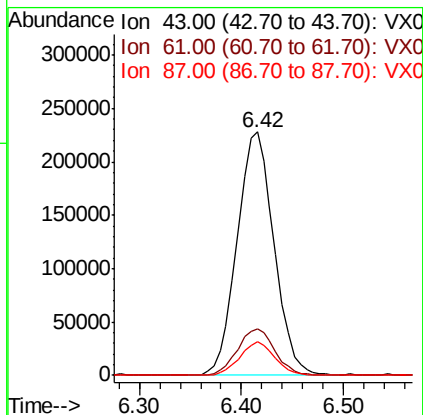
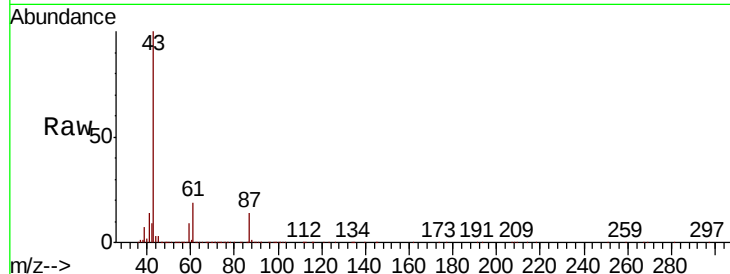


#43

Isopropyl Acetate
 Concen: 47.346 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

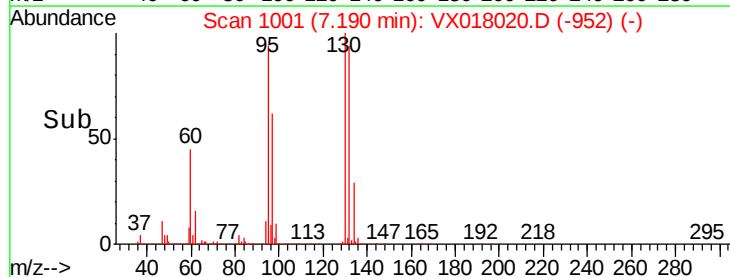
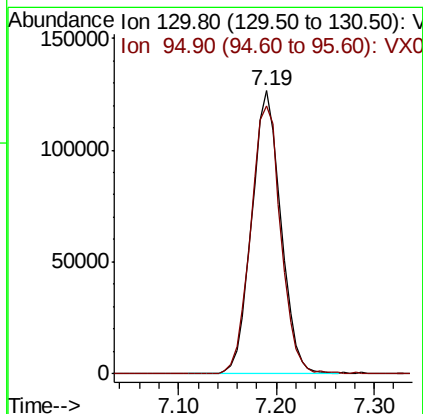
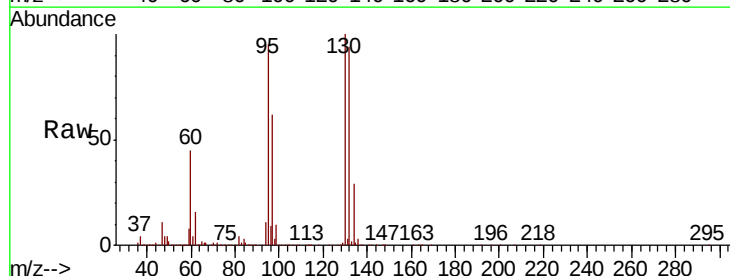
Tot Ion	43	Resp	567921
Ion Ratio	Lower	Upper	
43	100		
61	19.6	16.2	24.4
87	13.3	10.8	16.2

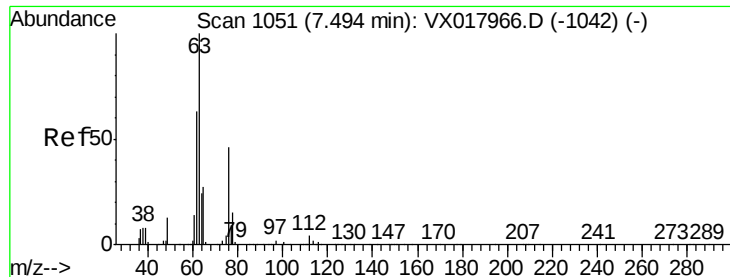


#44

Trichloroethene
 Concen: 47.174 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion	130	Resp	261679
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	200.6





#45

1,2-Dichloropropane

Concen: 47.207 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

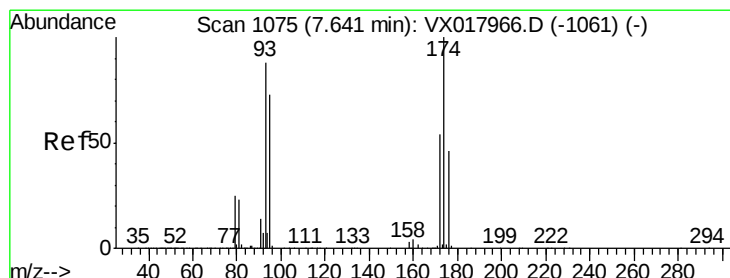
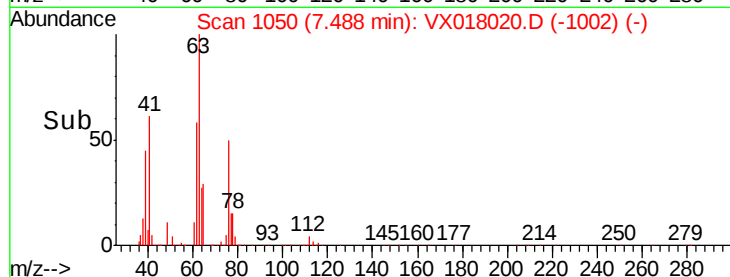
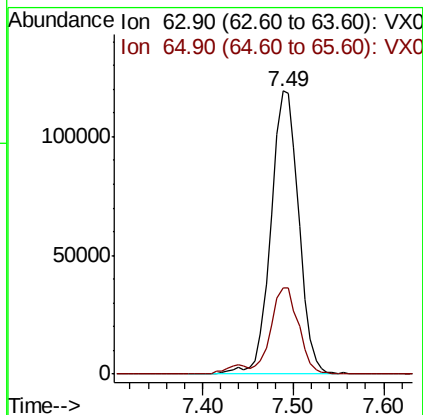
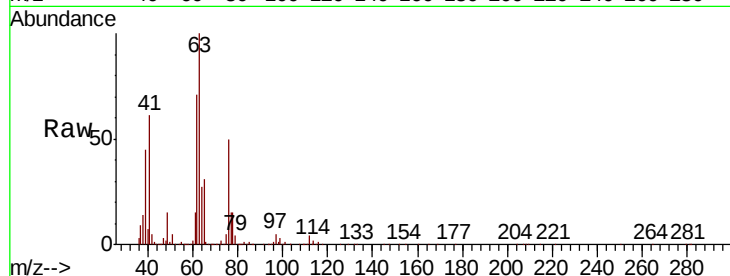
VSTDCCC050EC

Tot Ion: 63 Resp: 253000

Ion Ratio Lower Upper

63 100

65 30.5 23.8 35.8



#46

Dibromomethane

Concen: 47.927 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

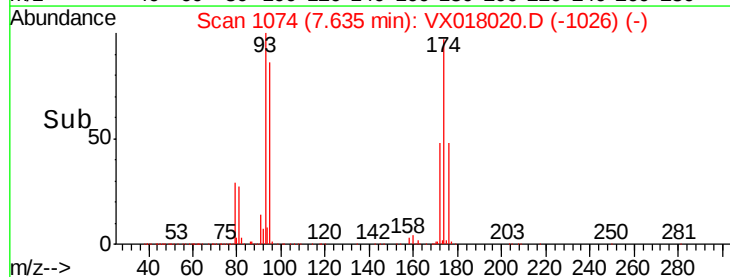
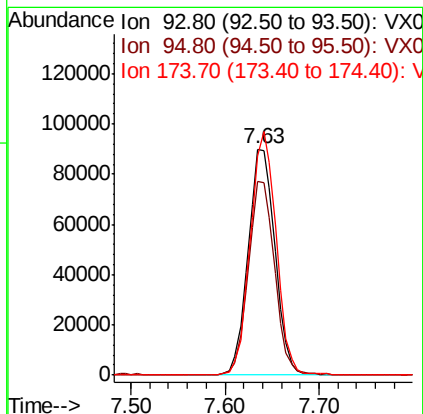
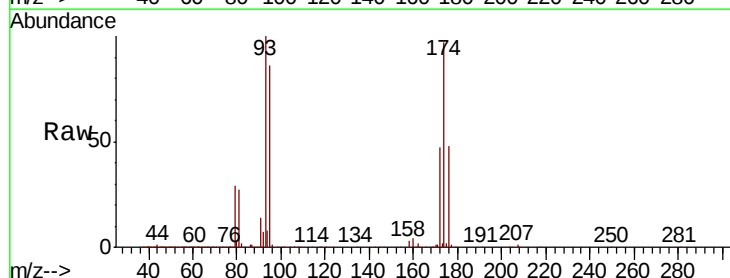
Tgt Ion: 93 Resp: 179268

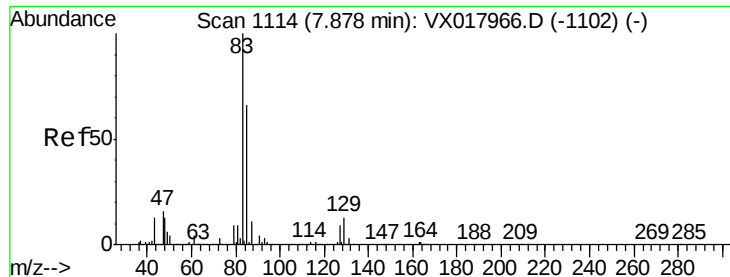
Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

174 104.5 88.3 132.5





#47

Bromodichloromethane

Concen: 48.020 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

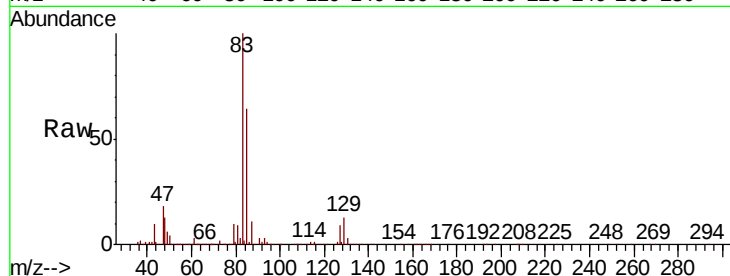
Tot Ion: 83 Resp: 389924

Ion Ratio Lower Upper

83 100

85 63.5 52.4 78.6

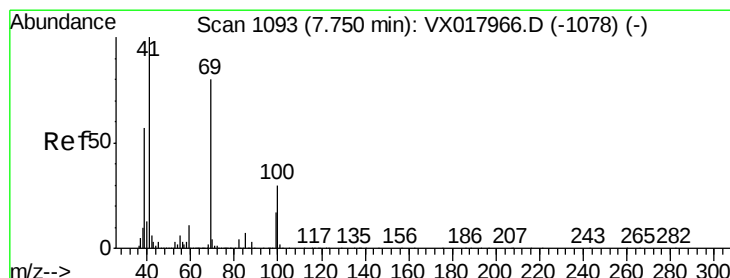
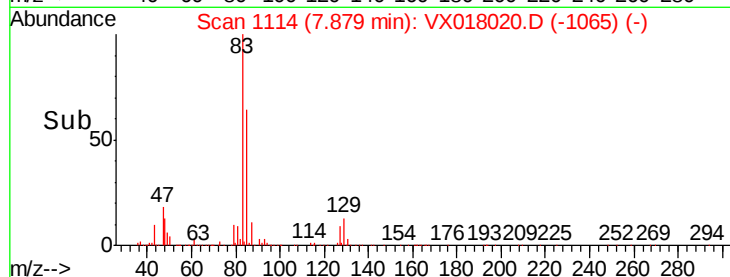
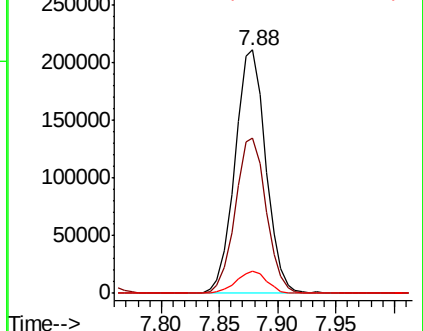
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.414 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

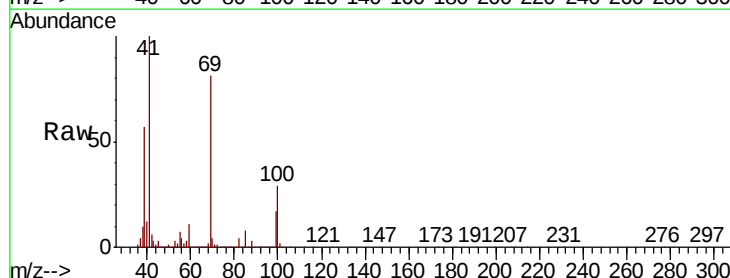
Tgt Ion: 41 Resp: 293844

Ion Ratio Lower Upper

41 100

69 81.2 64.3 96.5

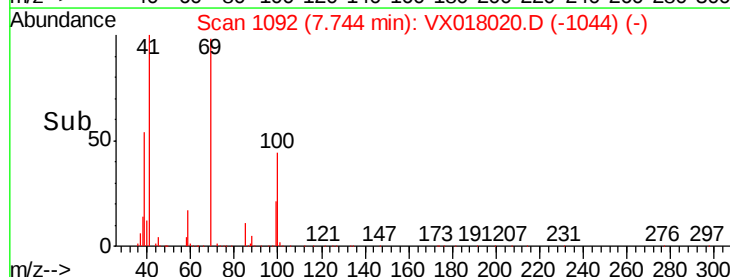
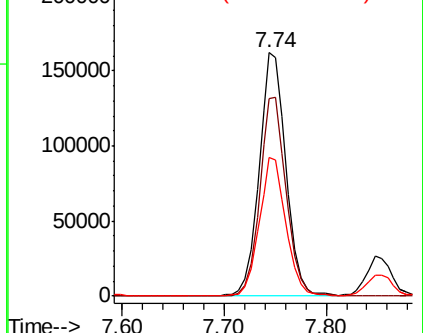
39 56.3 45.3 67.9

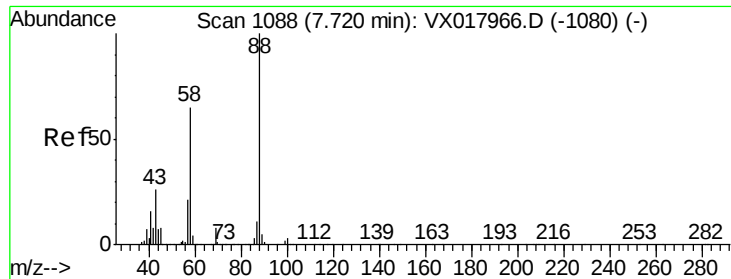


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

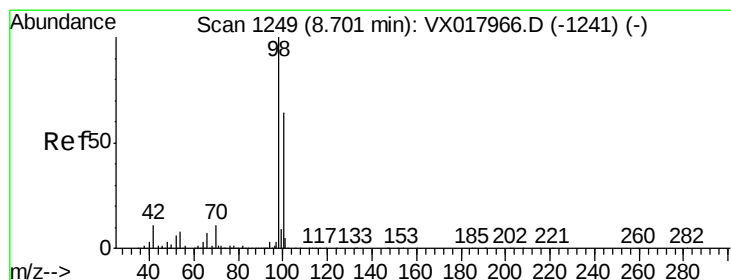
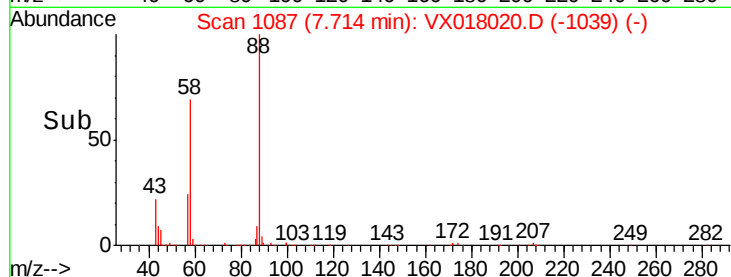
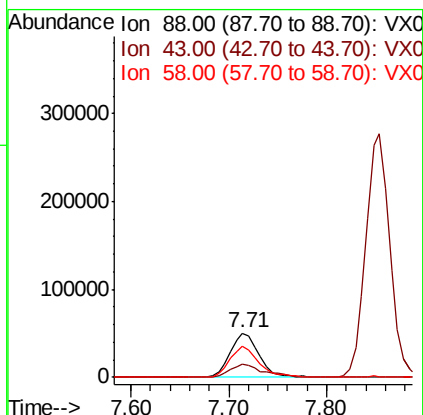
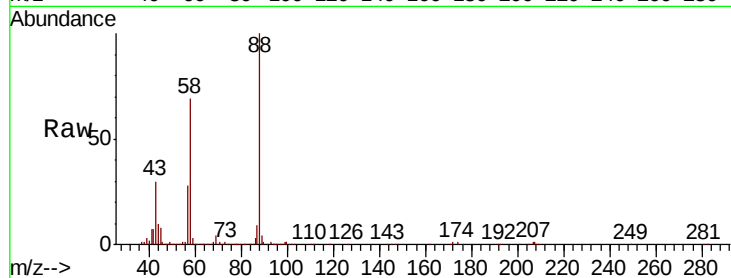




#49
1,4-Dioxane
Concen: 833.534 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

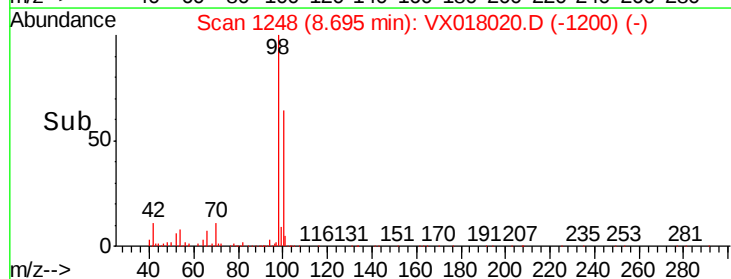
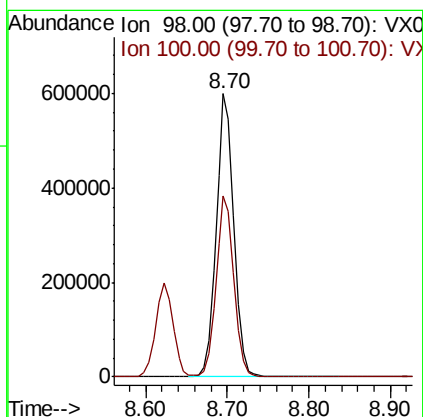
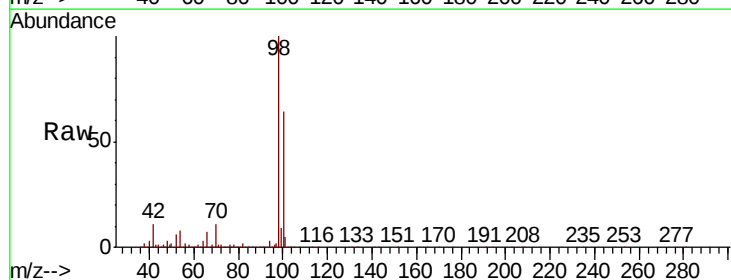
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

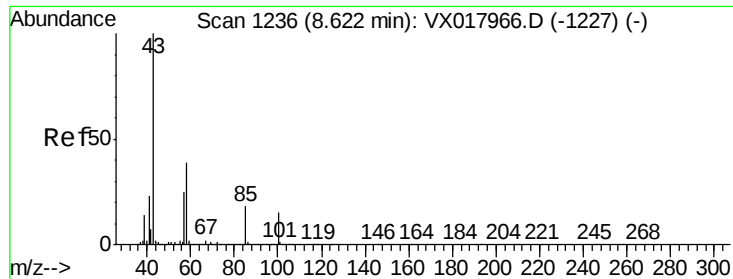
Tot Ion: 88 Resp: 101475
Ion Ratio Lower Upper
88 100
43 34.8 27.3 40.9
58 71.9 57.7 86.5



#50
Toluene-d8
Concen: 46.357 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 98 Resp: 905389
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 237.093 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

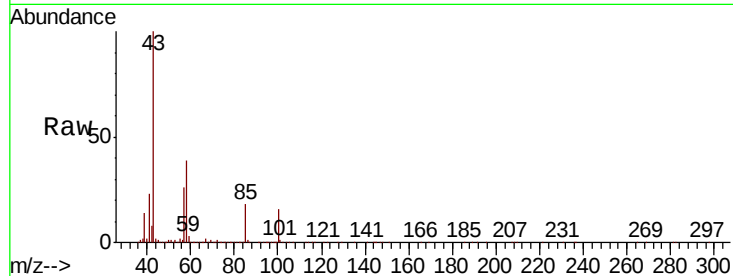
VSTDCCC050EC

Tot Ion: 43 Resp: 1914826

Ion Ratio Lower Upper

43 100

58 38.2 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

1500000

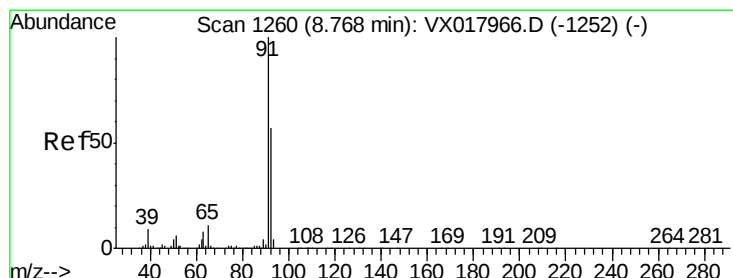
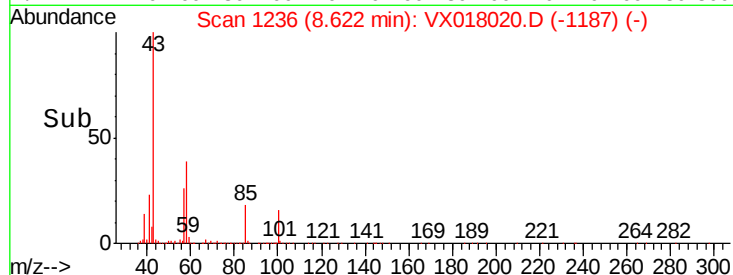
1000000

500000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 48.430 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018020.D

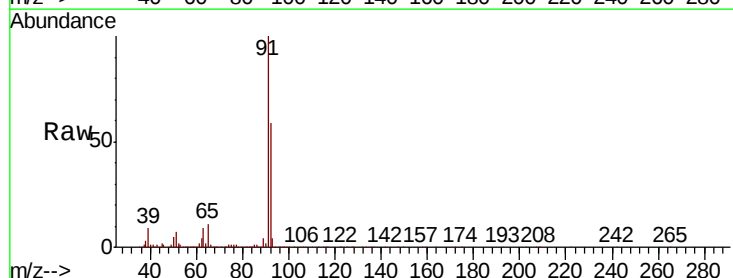
Acq: 20 Aug 2020 06:08

Tgt Ion: 92 Resp: 592677

Ion Ratio Lower Upper

92 100

91 171.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

600000

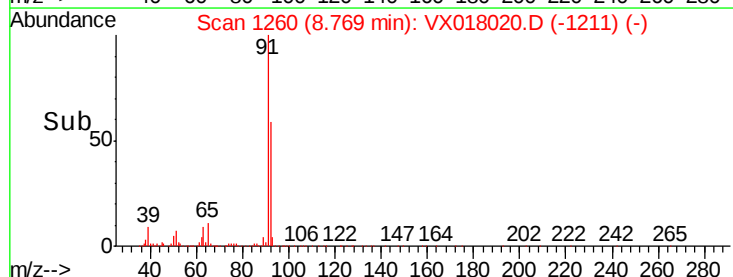
400000

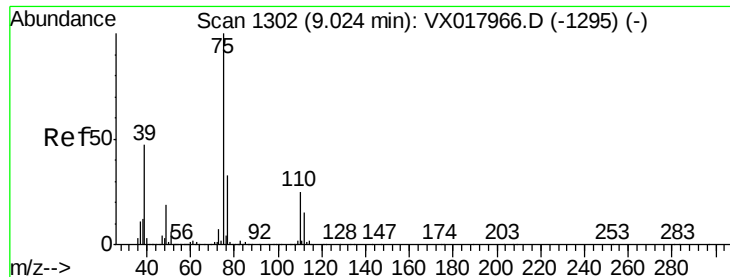
200000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.743 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

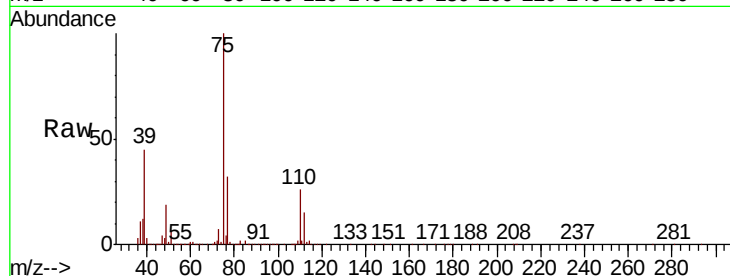
VSTDCCC050EC

Tot Ion: 75 Resp: 392851

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

300000

250000

200000

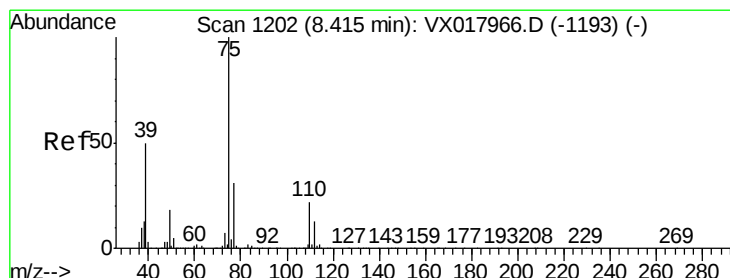
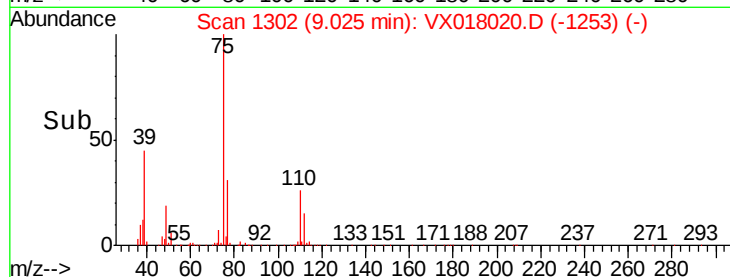
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.137 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

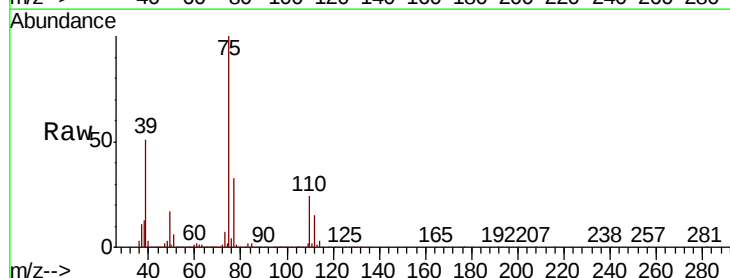
Tgt Ion: 75 Resp: 404185

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

39 50.6 39.7 59.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

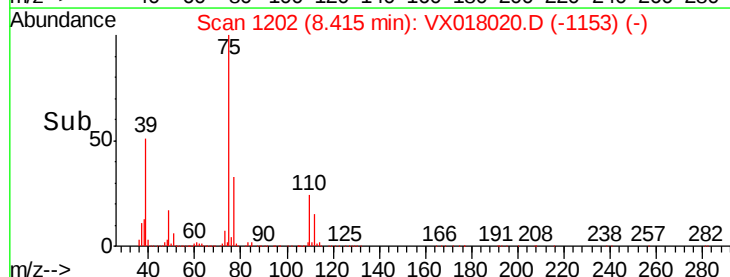
300000

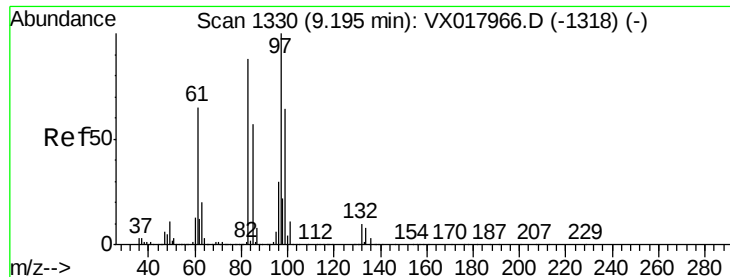
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.663 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 267965

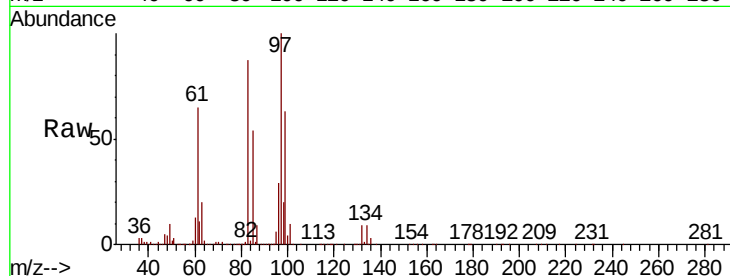
Ion Ratio Lower Upper

97 100

83 86.7 70.1 105.1

85 54.2 45.8 68.8

99 63.4 51.4 77.2



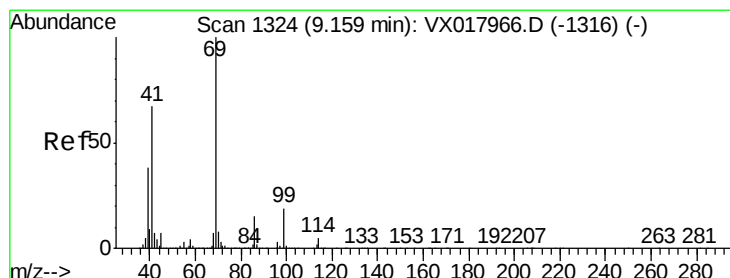
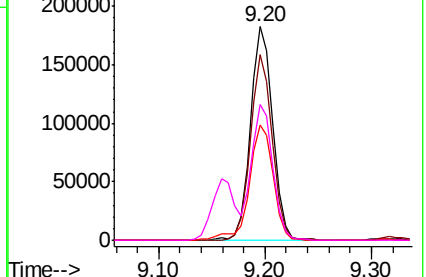
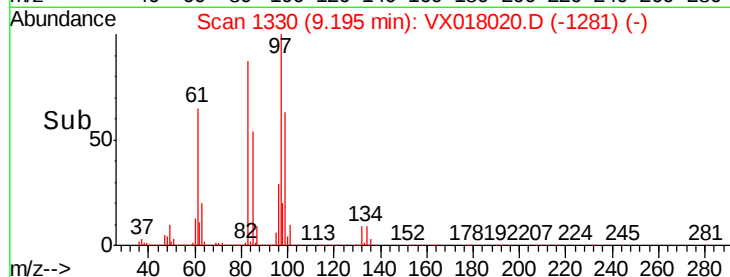
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Time-->



#56

Ethyl methacrylate

Concen: 49.854 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

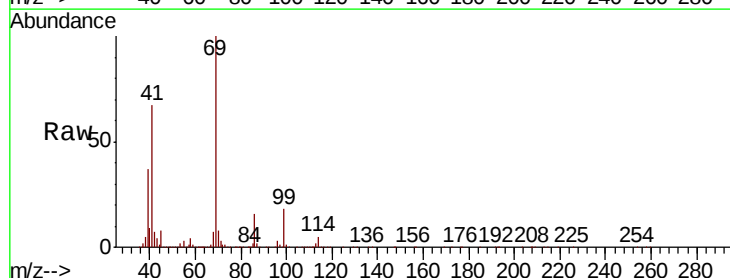
Tgt Ion: 69 Resp: 396281

Ion Ratio Lower Upper

69 100

41 67.7 52.3 78.5

39 36.7 29.2 43.8

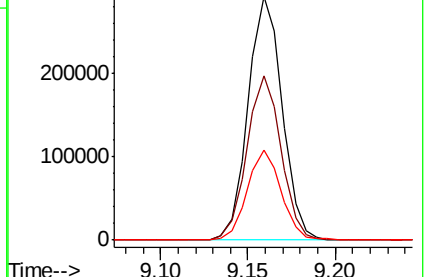
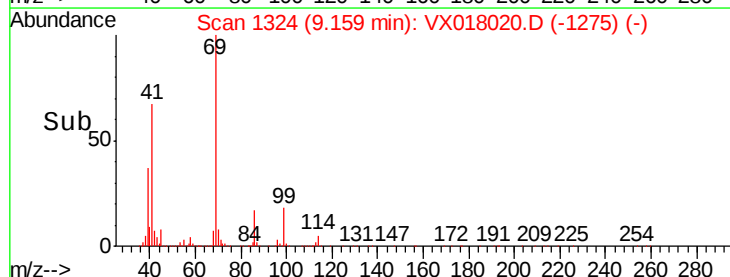


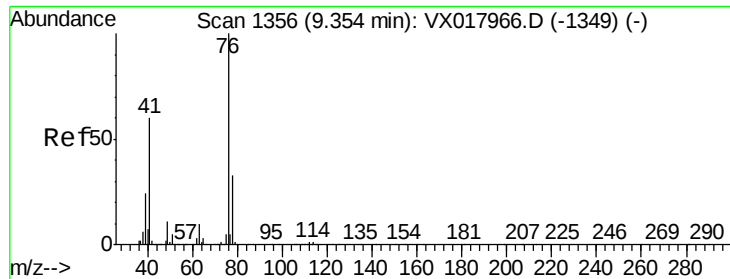
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





#57

1,3-Dichloropropane

Concen: 48.325 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

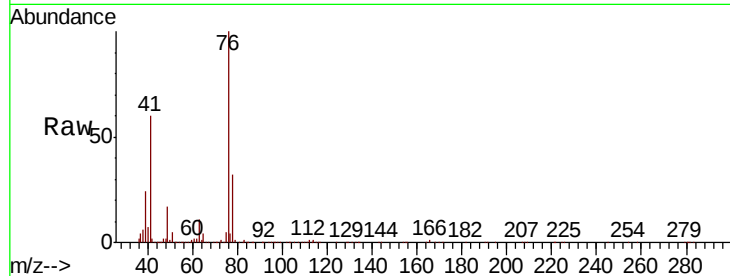
VSTDCCC050EC

Tot Ion: 76 Resp: 431486

Ion Ratio Lower Upper

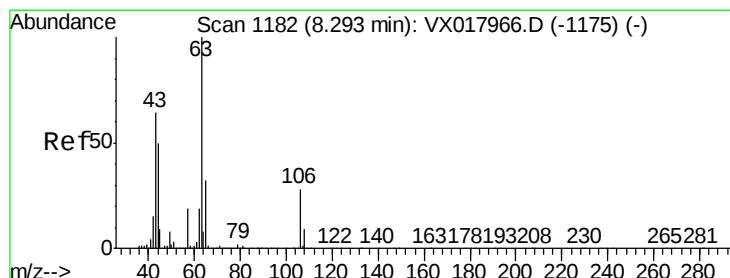
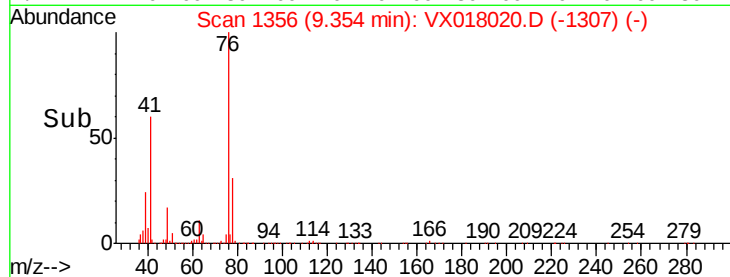
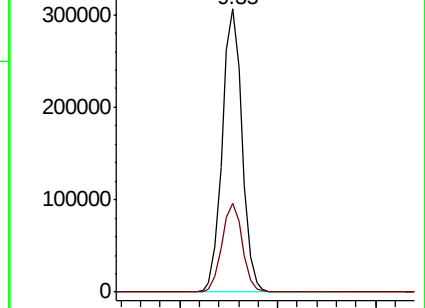
76 100

78 32.4 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 227.914 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018020.D

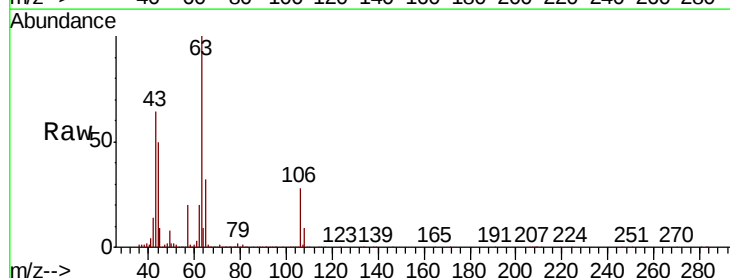
Acq: 20 Aug 2020 06:08

Tgt Ion: 63 Resp: 877312

Ion Ratio Lower Upper

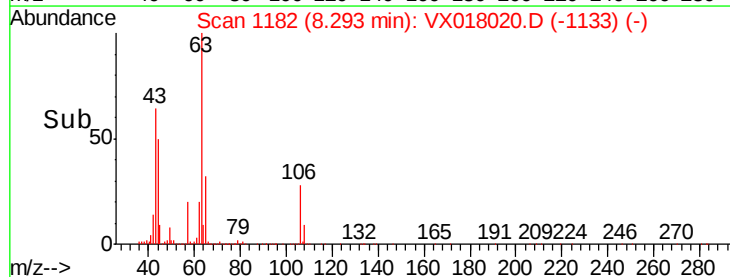
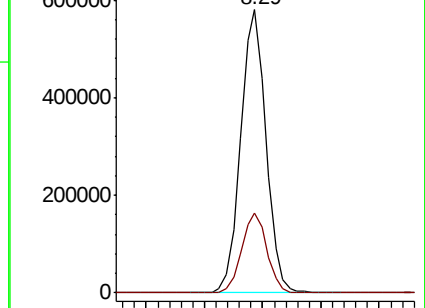
63 100

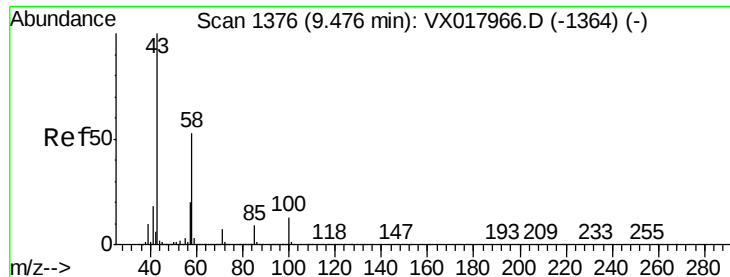
106 28.2 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

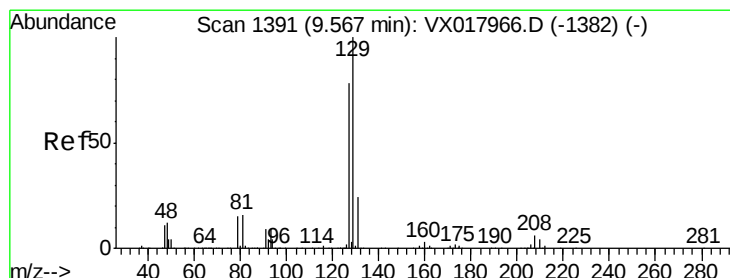
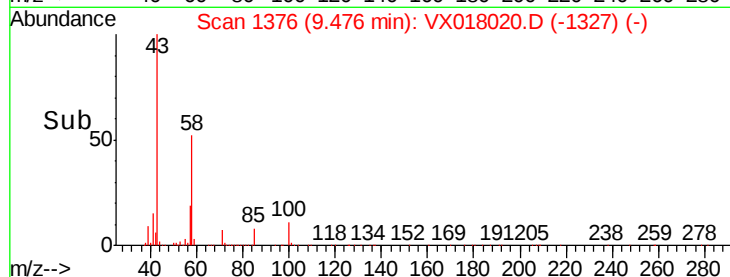
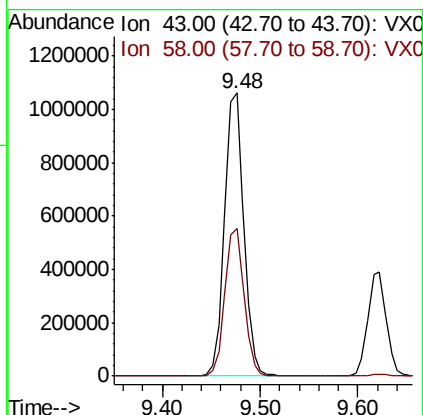
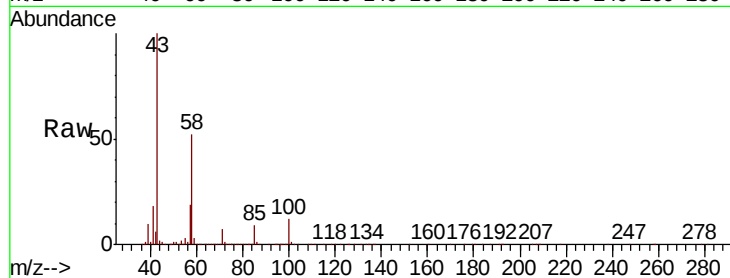




#59
2-Hexanone
Concen: 237.173 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

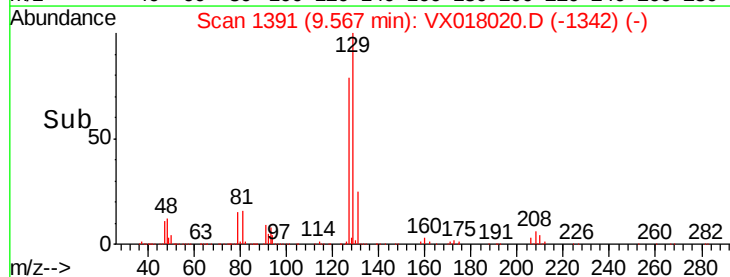
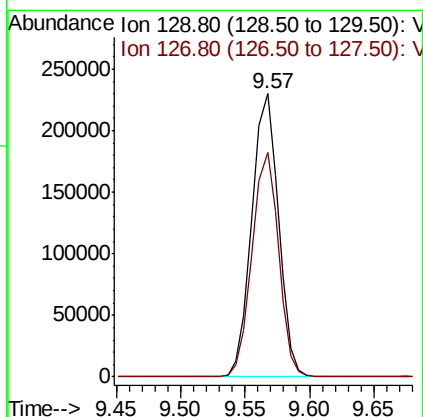
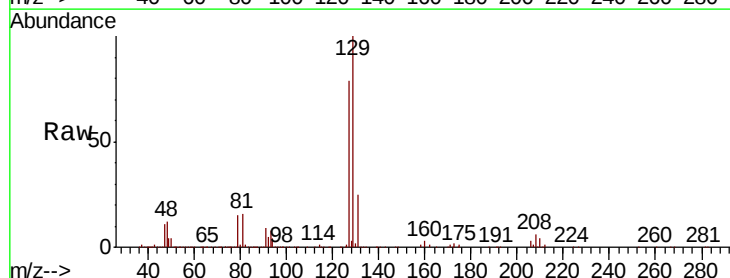
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

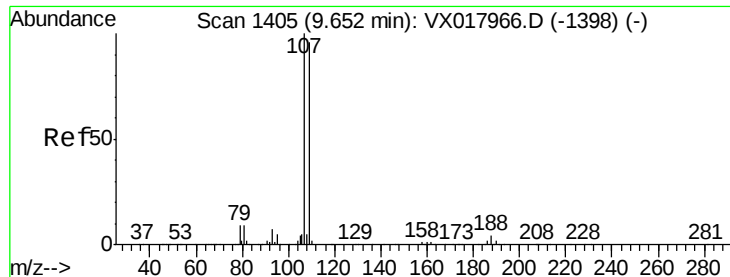
Tot Ion: 43 Resp: 1451424
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 46.729 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 129 Resp: 328114
Ion Ratio Lower Upper
129 100
127 78.7 39.5 118.3





#61

1,2-Dibromoethane

Concen: 45.359 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

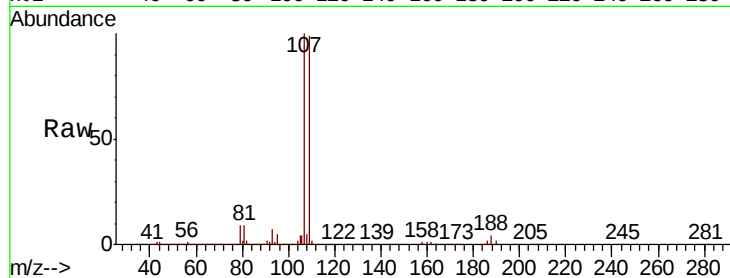
VSTDCCC050EC

Tot Ion: 107 Resp: 282472

Ion Ratio Lower Upper

107 100

109 96.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

200000

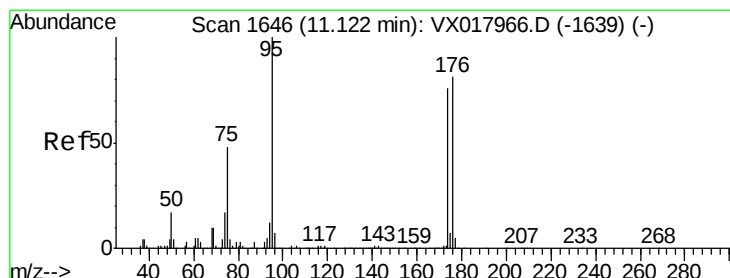
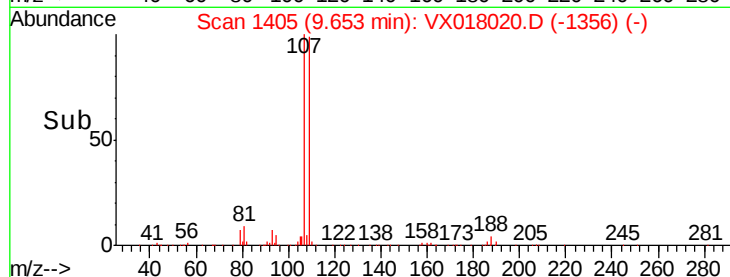
150000

100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.336 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

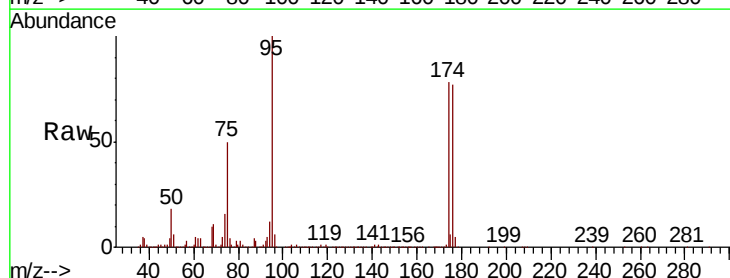
Tgt Ion: 95 Resp: 363107

Ion Ratio Lower Upper

95 100

174 80.6 0.0 166.0

176 77.0 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

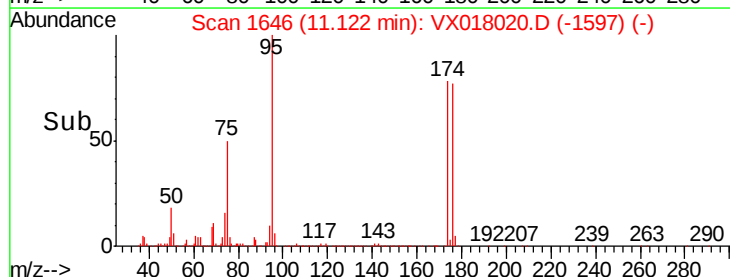
300000

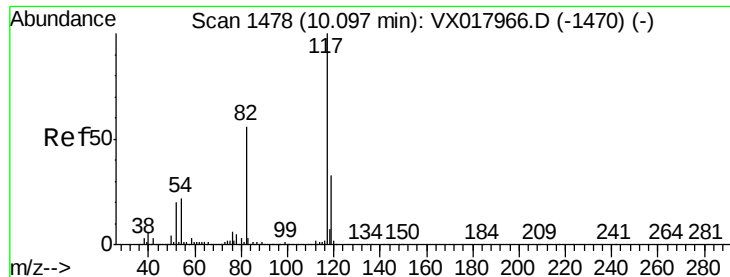
200000

100000

0

Time--> 11.05 11.10 11.15 11.20

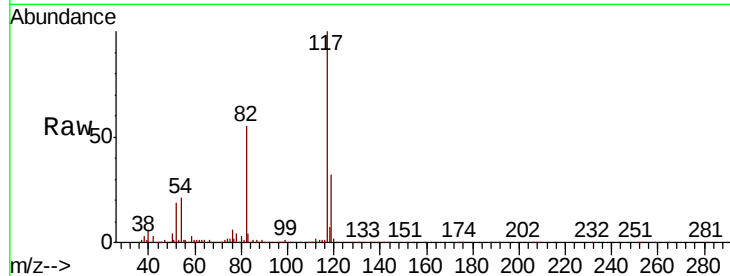




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	32.1	26.2	39.4

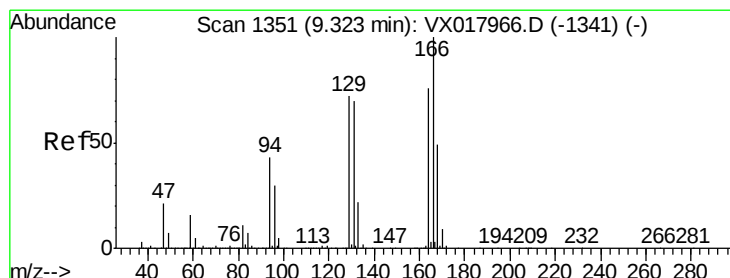
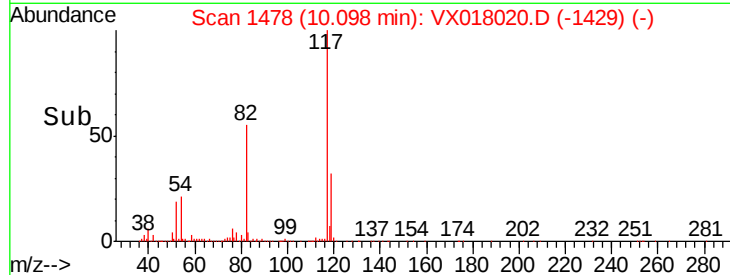
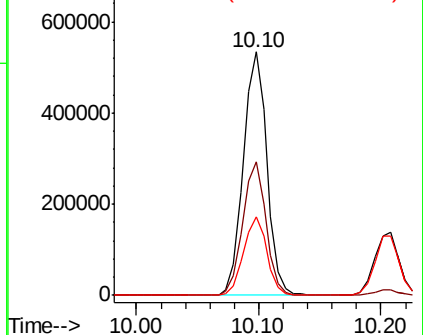


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.600 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	105.7	158.5
129	94.2	75.8	113.8
131	87.4	74.2	111.4

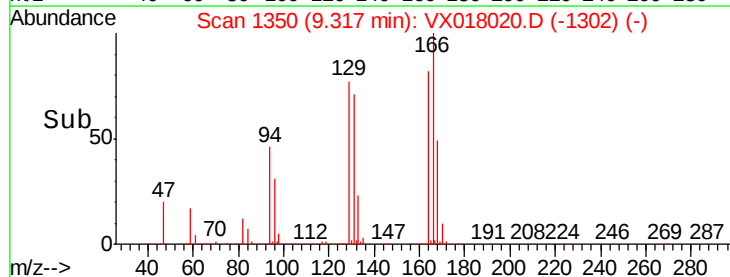
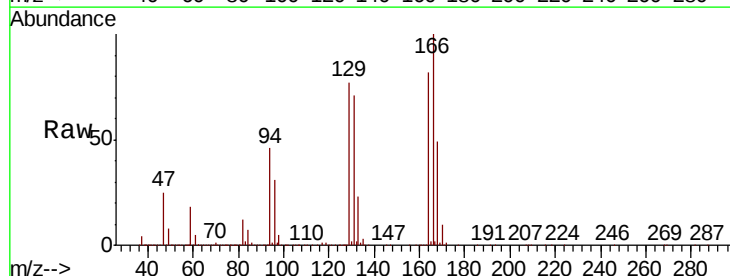
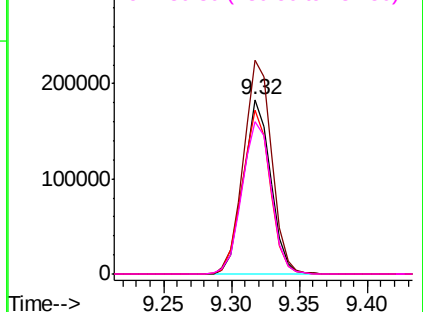
Abundance

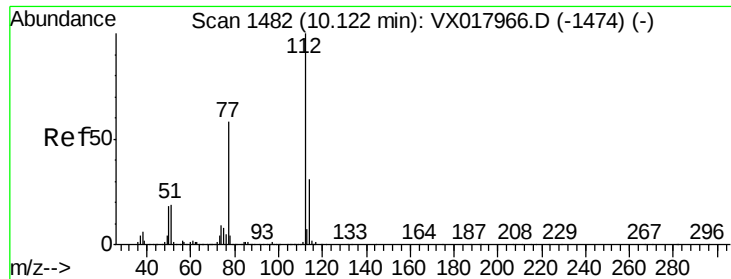
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

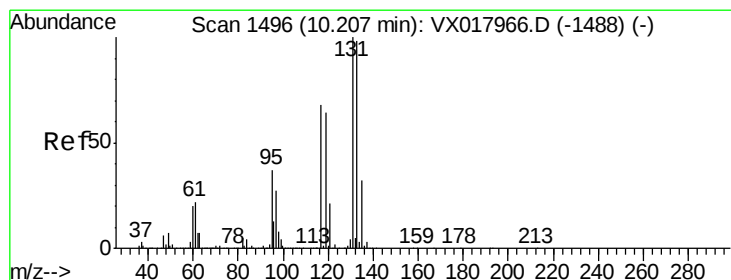
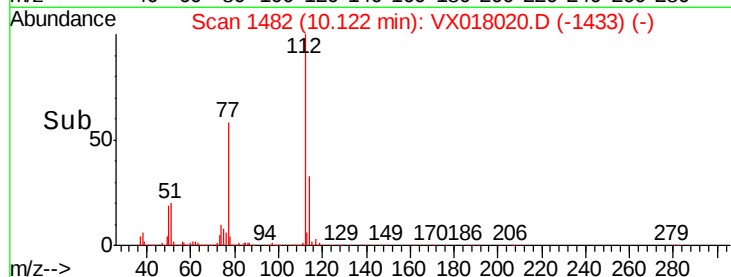
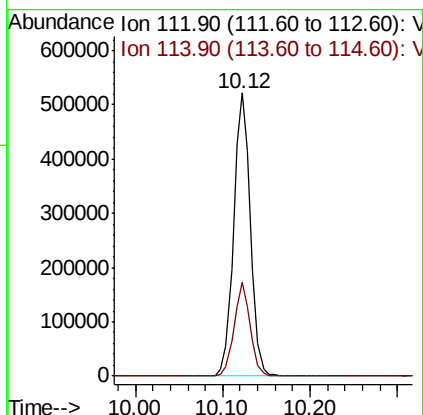
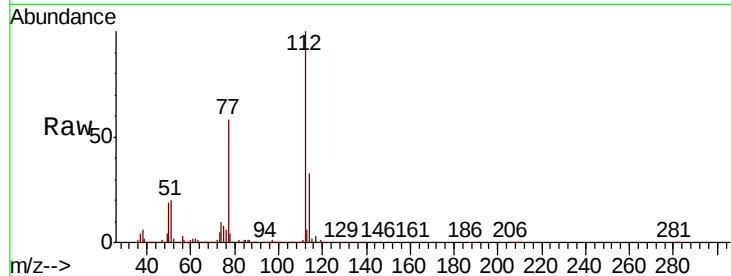




#65
Chlorobenzene
Concen: 49.416 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

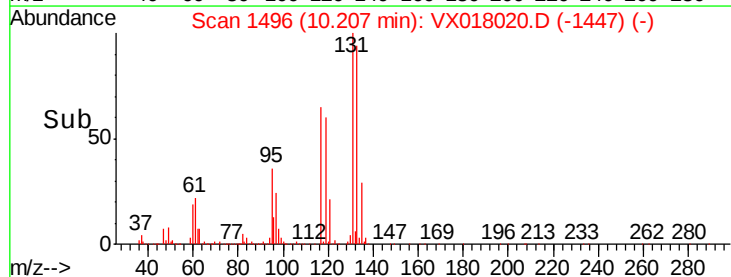
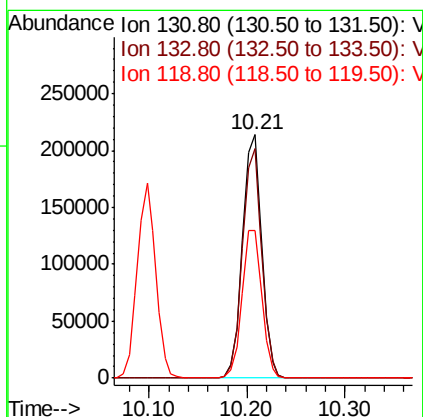
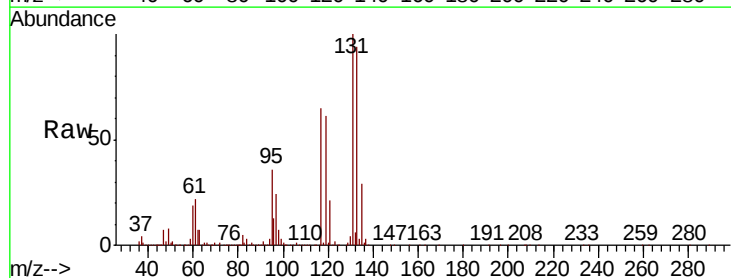
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

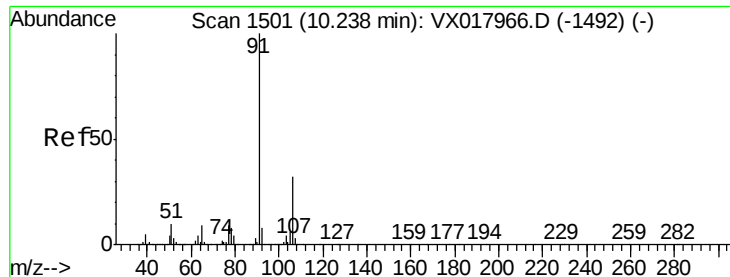
Tot Ion:112 Resp: 698761
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.055 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion:131 Resp: 293425
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.3
119 62.6 31.6 94.8

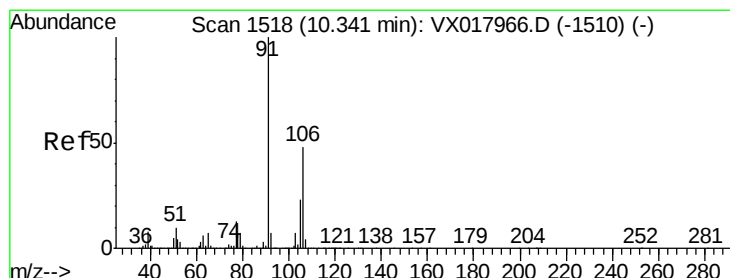
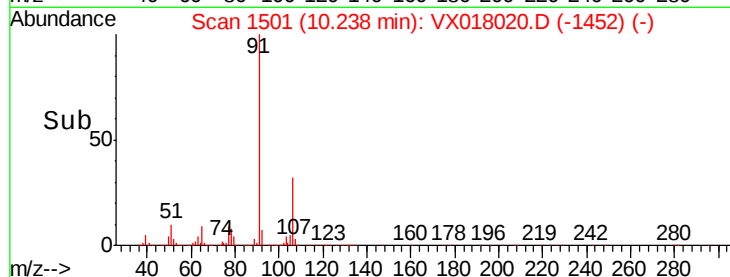
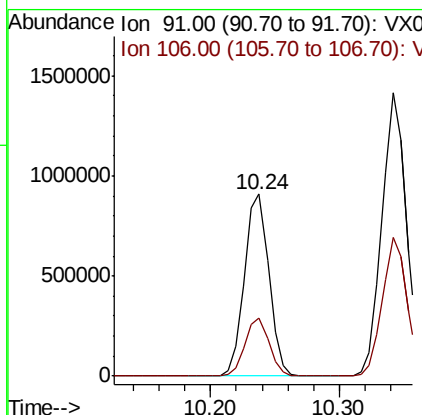
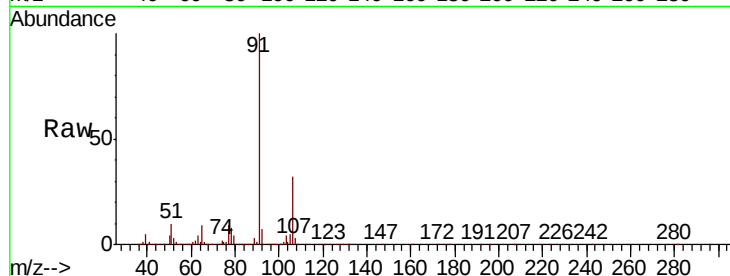




#67
Ethyl Benzene
Concen: 51.145 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

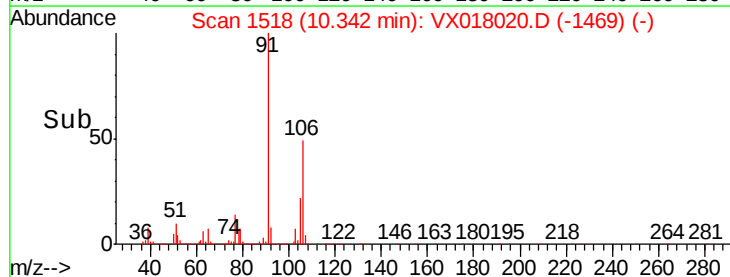
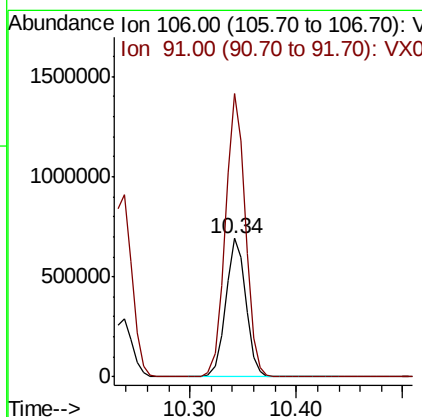
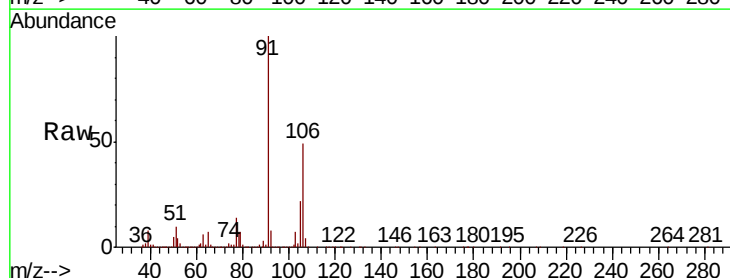
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

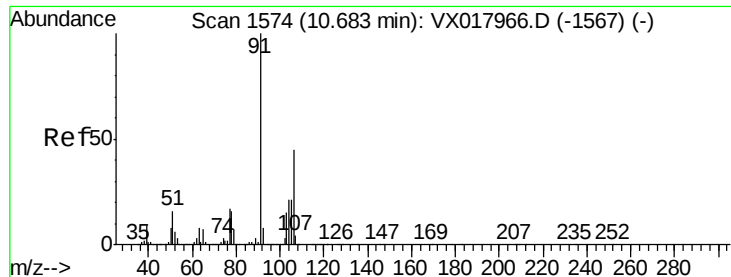
Tot Ion: 91 Resp: 1192242
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0



#68
m/p-Xylenes
Concen: 102.144 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 106 Resp: 916669
Ion Ratio Lower Upper
106 100
91 202.9 167.4 251.2

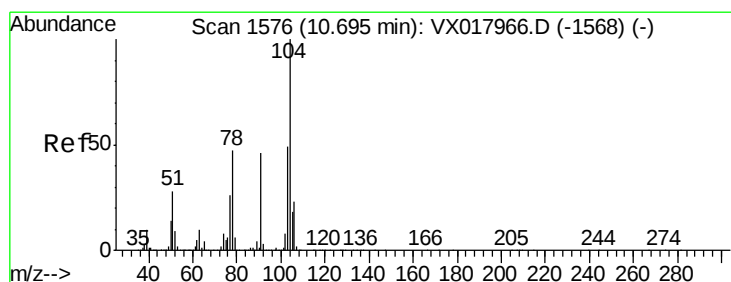
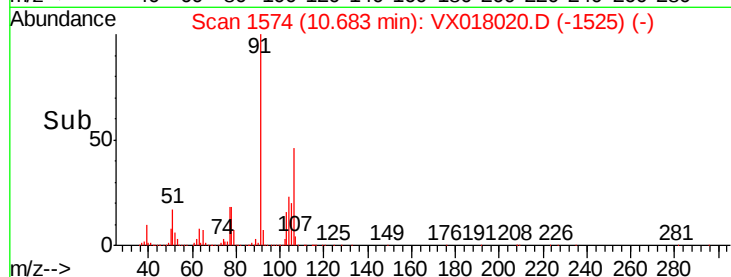
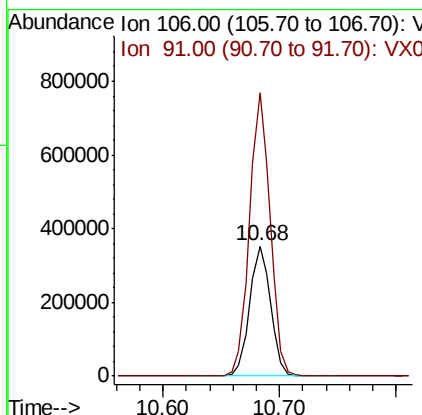
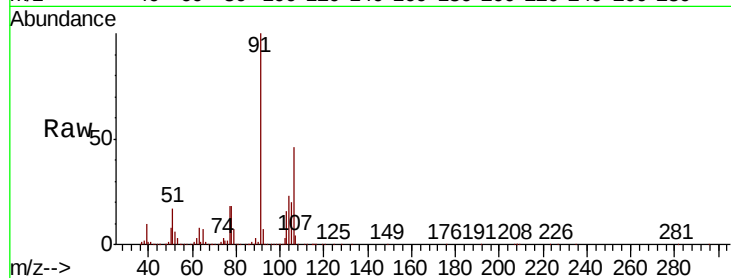




#69
o-Xylene
Concen: 51.230 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

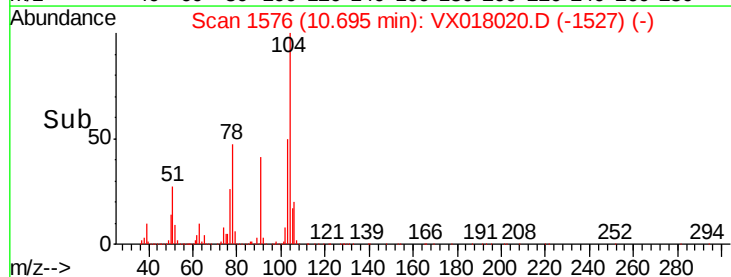
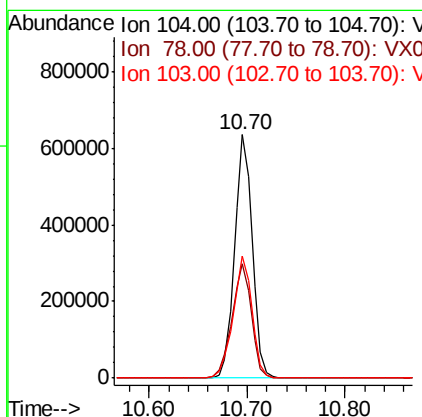
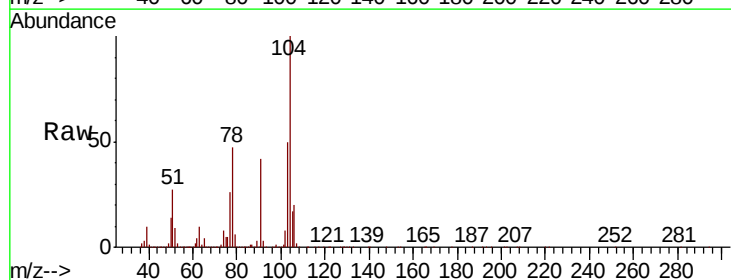
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

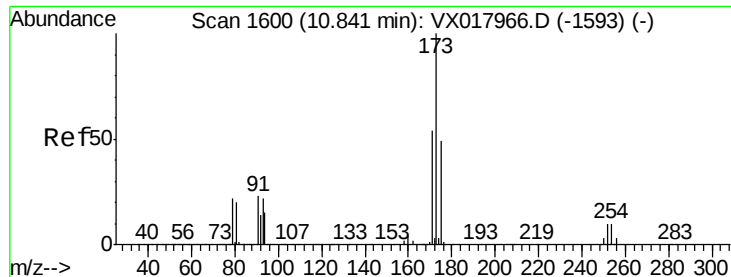
Tot Ion:106 Resp: 443342
Ion Ratio Lower Upper
106 100
91 215.2 108.1 324.2



#70
Styrene
Concen: 53.309 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion:104 Resp: 795915
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 53.6 42.9 64.3





#71

Bromoform

Concen: 49.513 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

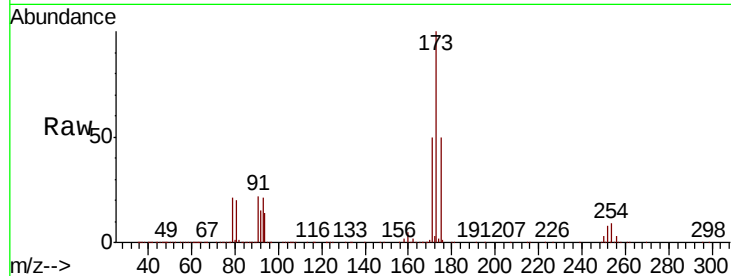
Tot Ion:173 Resp: 265821

Ion Ratio Lower Upper

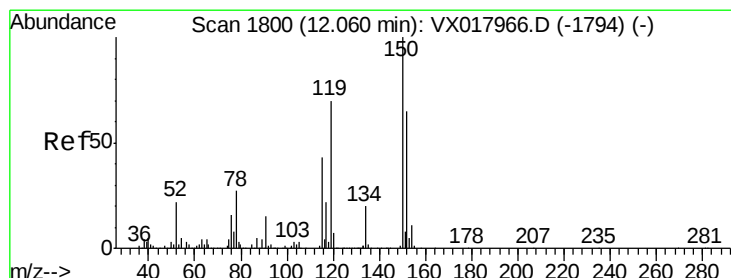
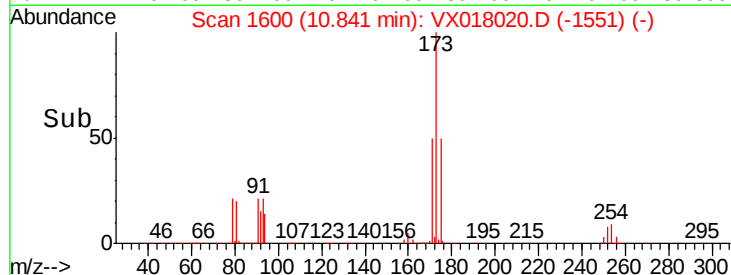
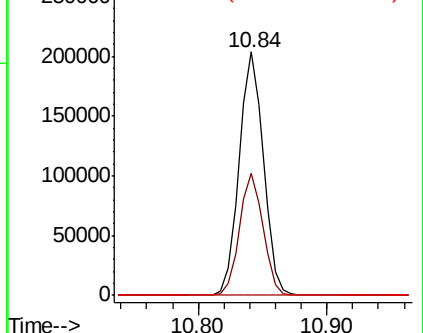
173 100

175 48.7 24.4 73.2

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

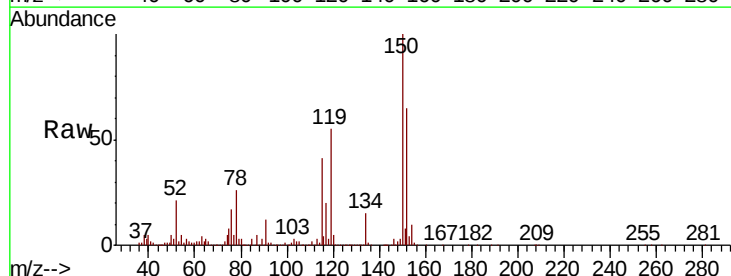
Tgt Ion:152 Resp: 388594

Ion Ratio Lower Upper

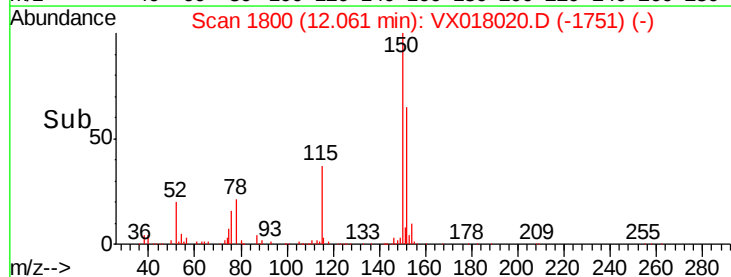
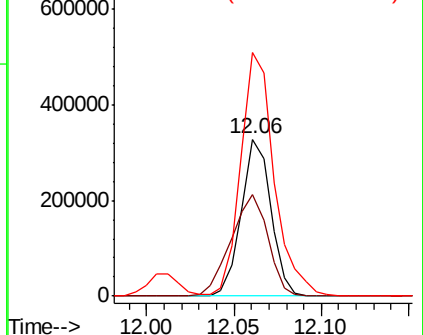
152 100

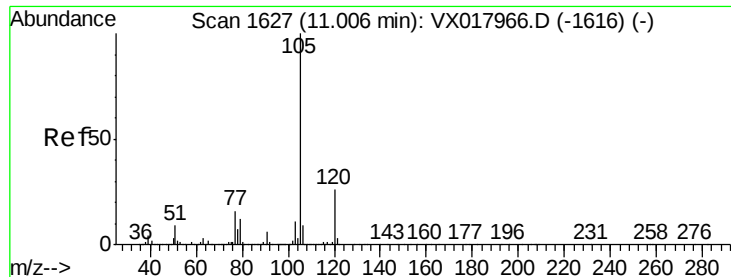
115 80.7 40.6 121.7

150 174.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.786 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

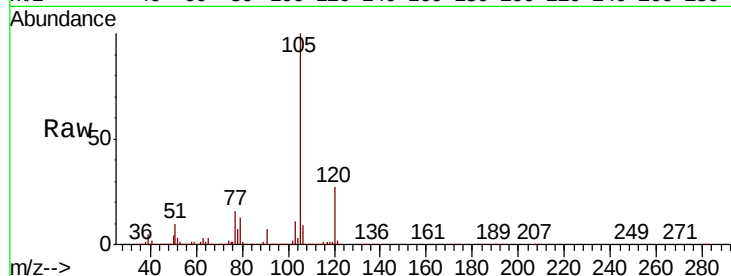
VSTDCCC050EC

Tot Ion:105 Resp: 1220221

Ion Ratio Lower Upper

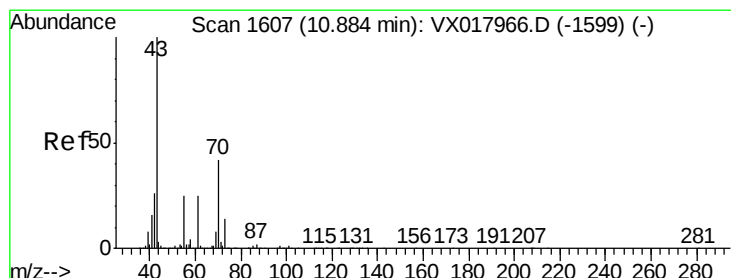
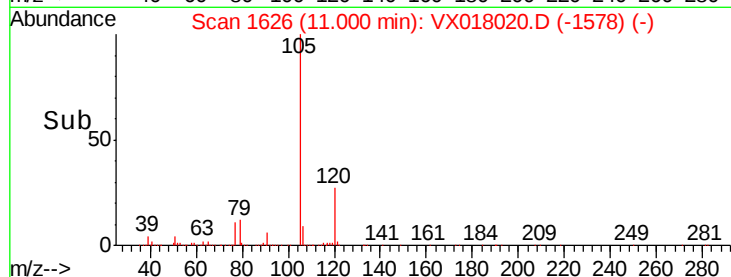
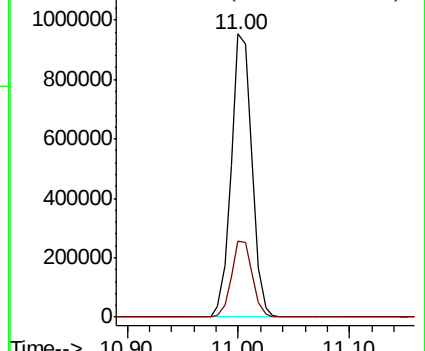
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.071 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Tgt Ion: 43 Resp: 534794

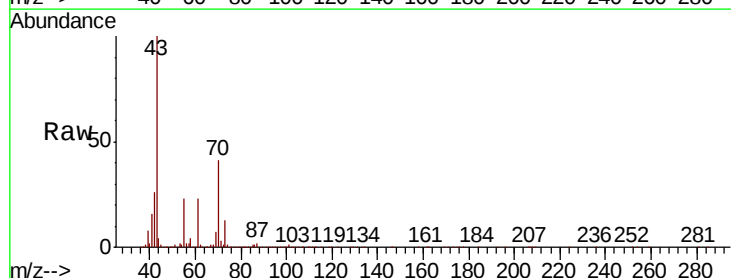
Ion Ratio Lower Upper

43 100

70 41.7 32.9 49.3

55 23.8 19.3 28.9

61 23.9 19.6 29.4

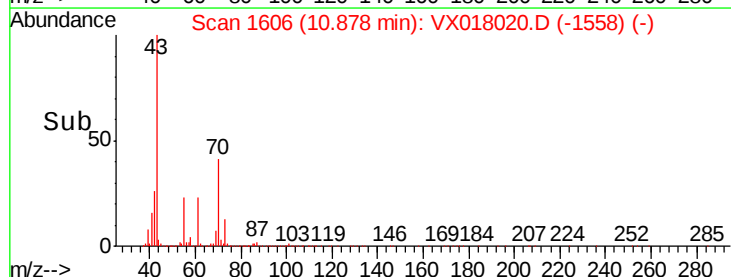
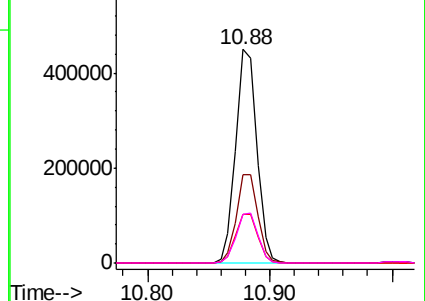


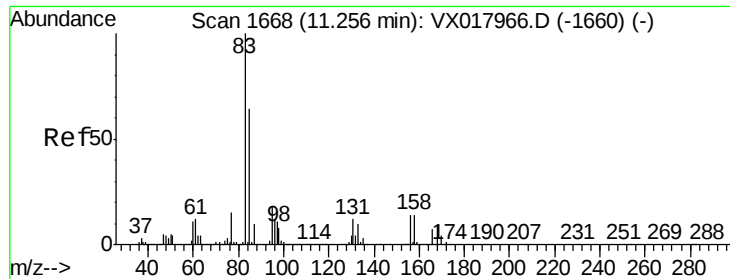
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.346 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

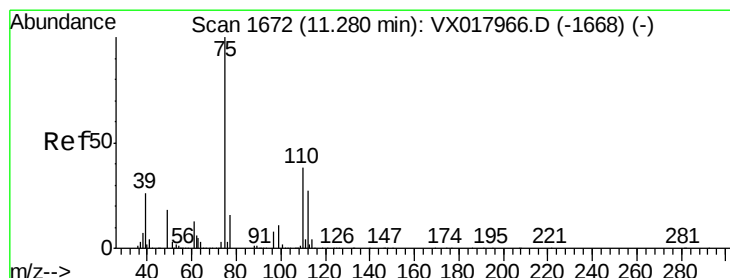
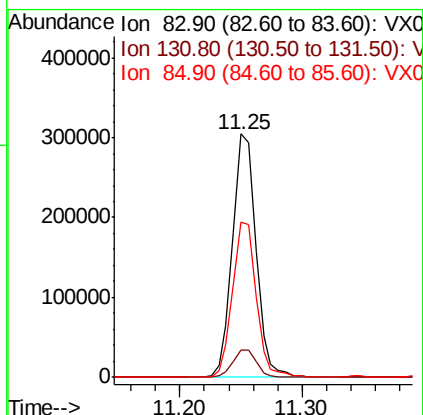
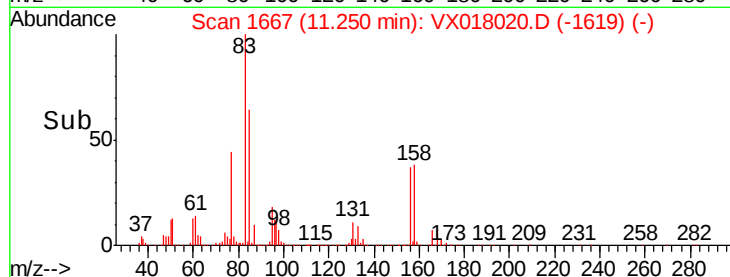
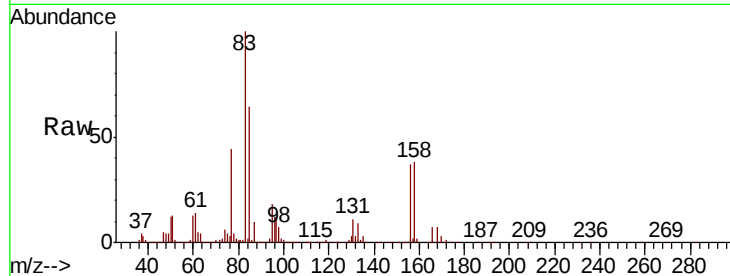
Tot Ion: 83 Resp: 404388

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

85 64.5 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 58.900 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018020.D

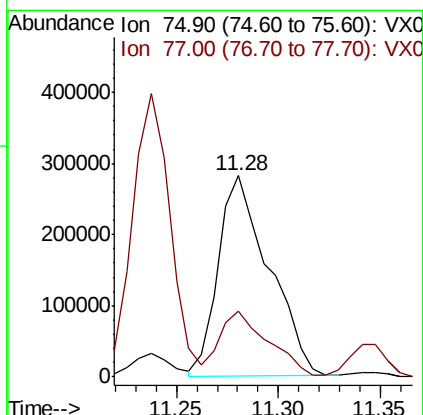
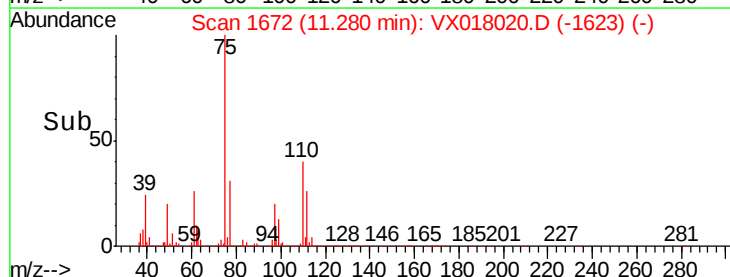
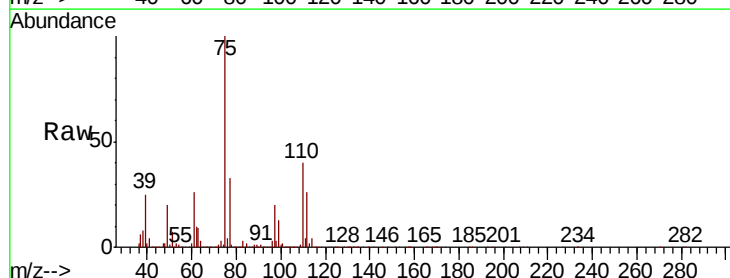
Acq: 20 Aug 2020 06:08

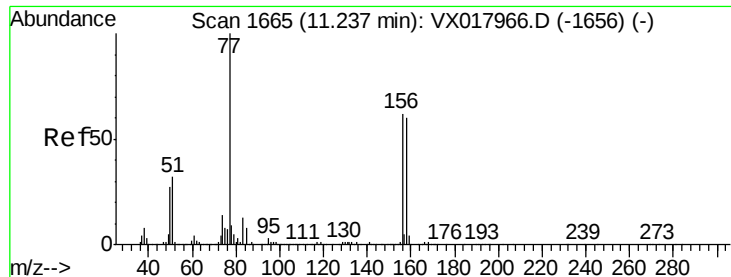
Tgt Ion: 75 Resp: 486746

Ion Ratio Lower Upper

75 100

77 32.0 21.1 63.1





#77

Bromobenzene

Concen: 48.241 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

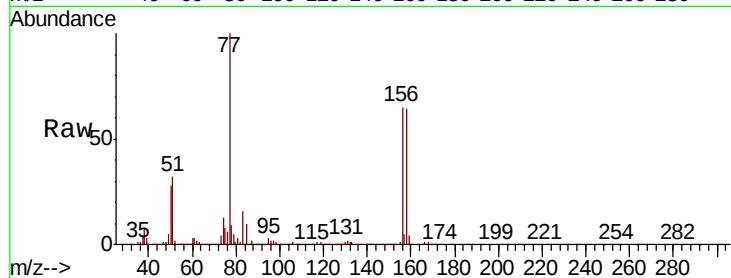
Tot Ion:156 Resp: 334764

Ion Ratio Lower Upper

156 100

77 153.2 78.0 234.0

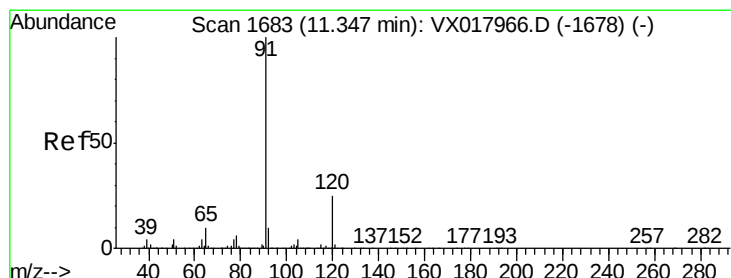
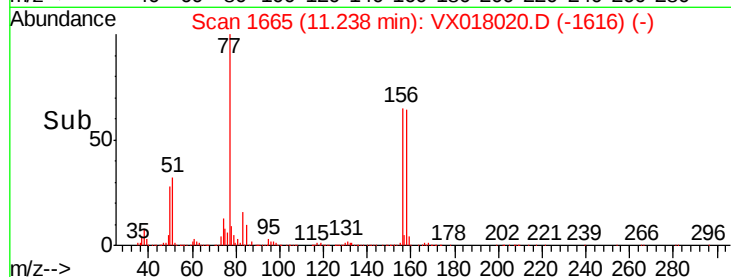
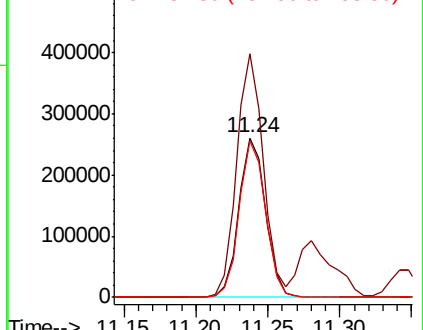
158 97.0 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.163 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018020.D

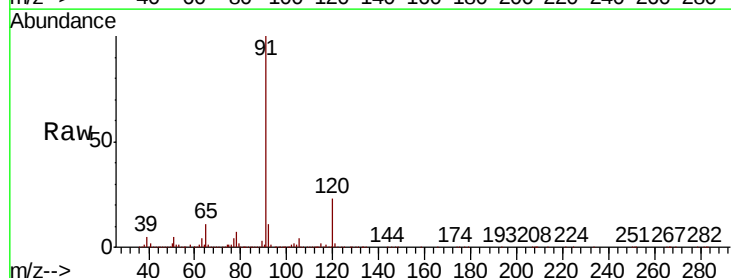
Acq: 20 Aug 2020 06:08

Tgt Ion: 91 Resp: 1408987

Ion Ratio Lower Upper

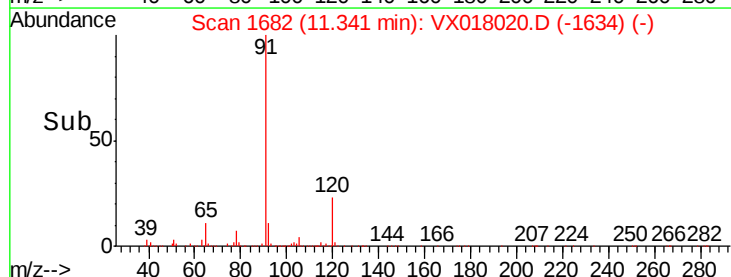
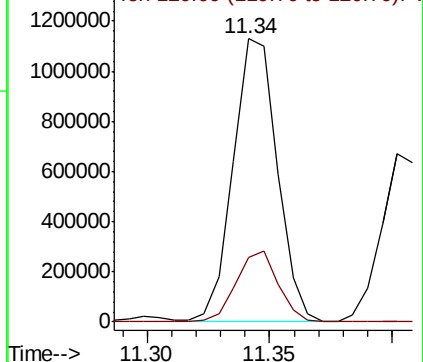
91 100

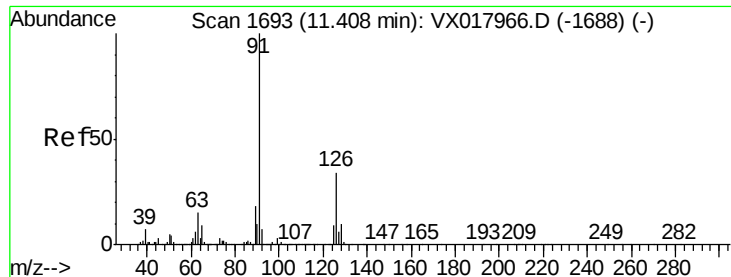
120 24.0 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.159 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

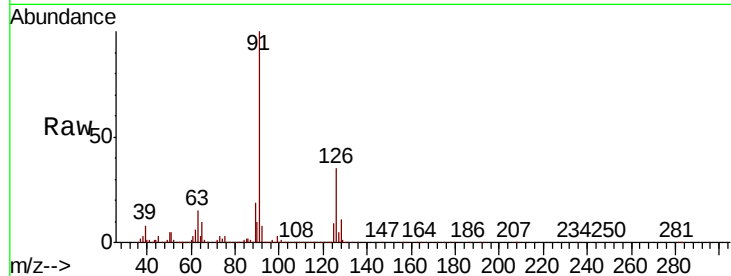
VSTDCCC050EC

Tot Ion: 91 Resp: 858590

Ion Ratio Lower Upper

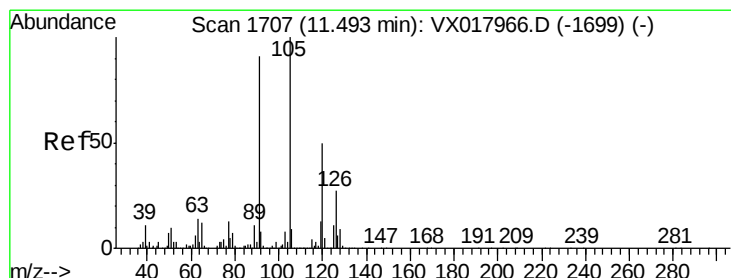
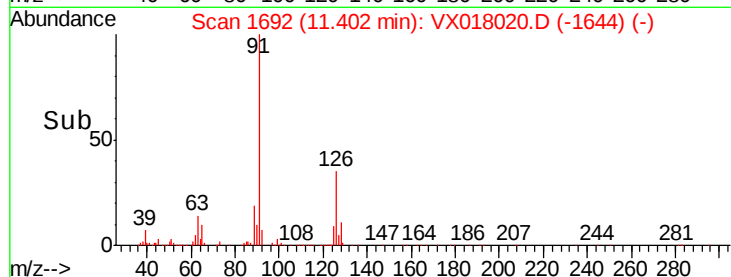
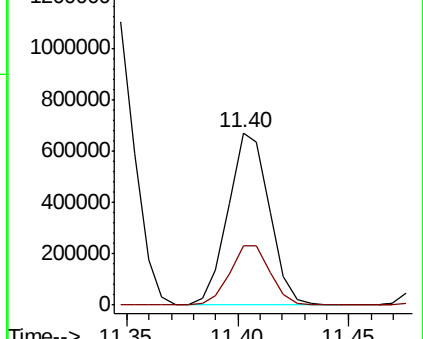
91 100

126 34.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VX017966.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX017966.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.831 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018020.D

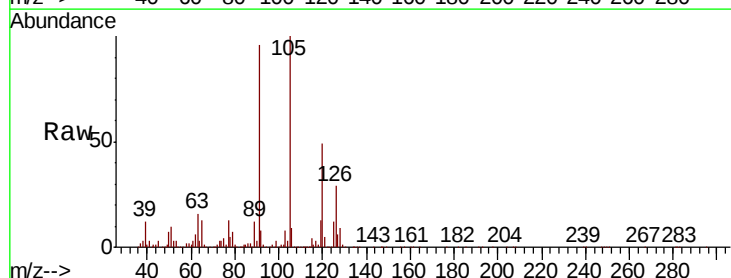
Acq: 20 Aug 2020 06:08

Tgt Ion: 105 Resp: 1072081

Ion Ratio Lower Upper

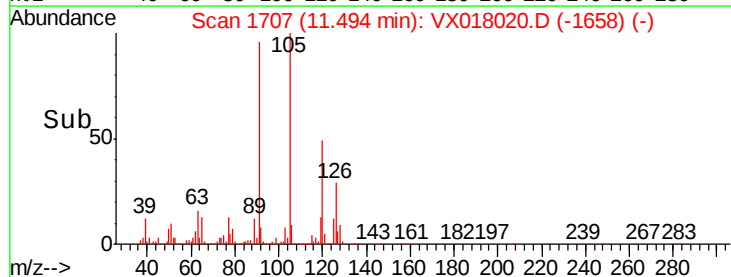
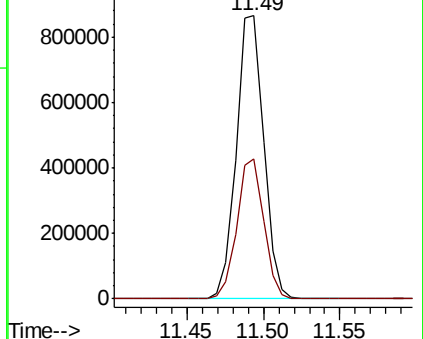
105 100

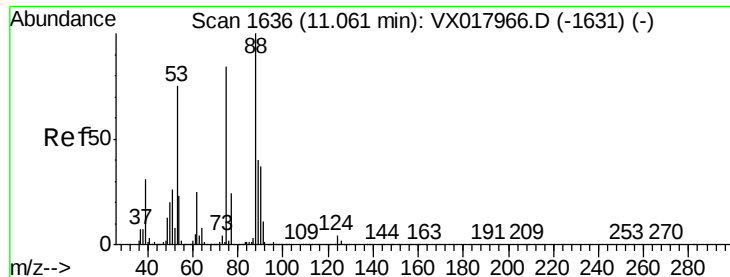
120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX017966.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX017966.D (-1699) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.189 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

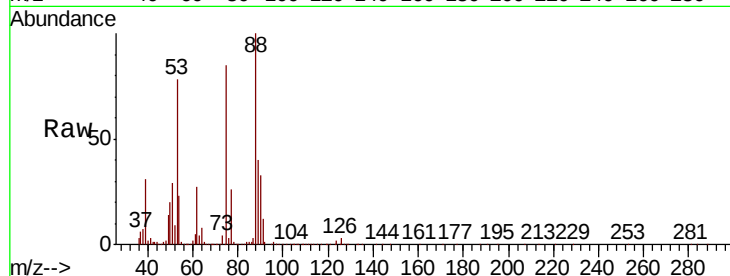
Tot Ion: 75 Resp: 129566

Ion Ratio Lower Upper

75 100

53 97.2 75.2 112.8

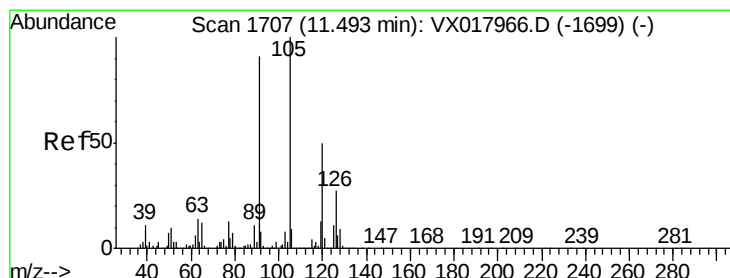
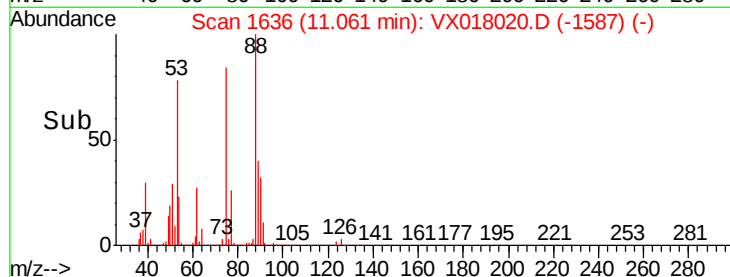
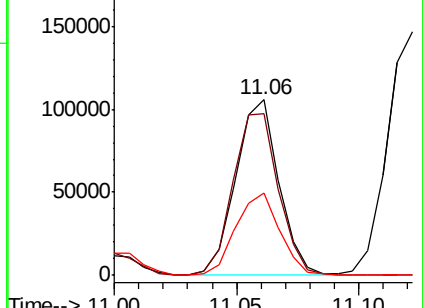
89 48.3 38.4 57.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.734 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018020.D

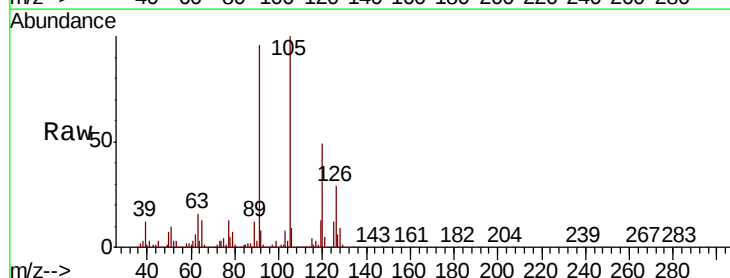
Acq: 20 Aug 2020 06:08

Tgt Ion: 91 Resp: 1021749

Ion Ratio Lower Upper

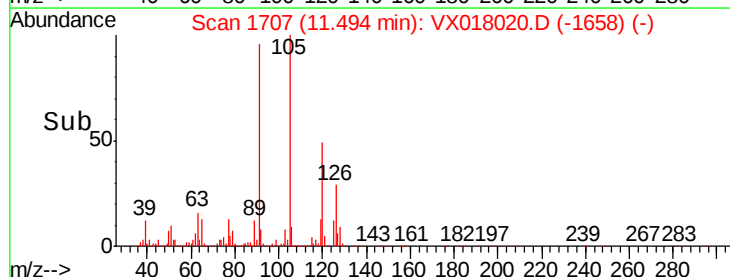
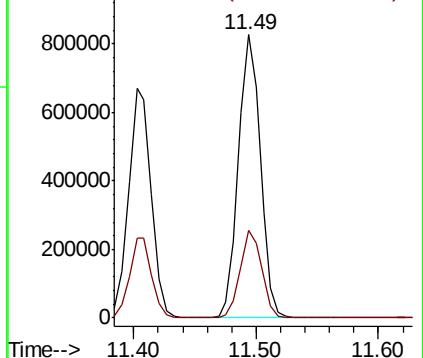
91 100

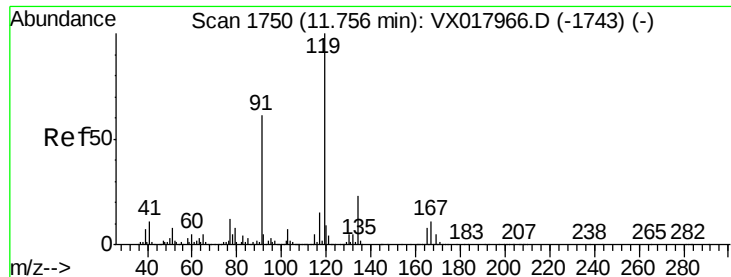
126 30.4 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.325 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

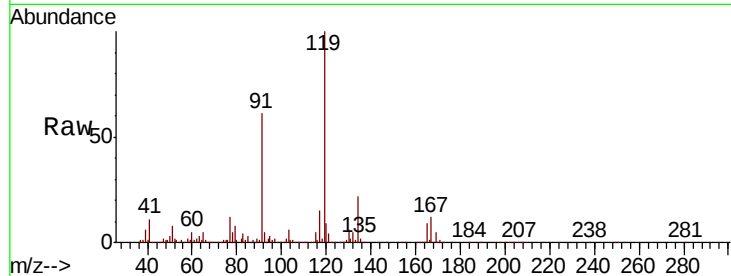
Tot Ion:119 Resp: 1043435

Ion Ratio Lower Upper

119 100

91 58.2 30.1 90.5

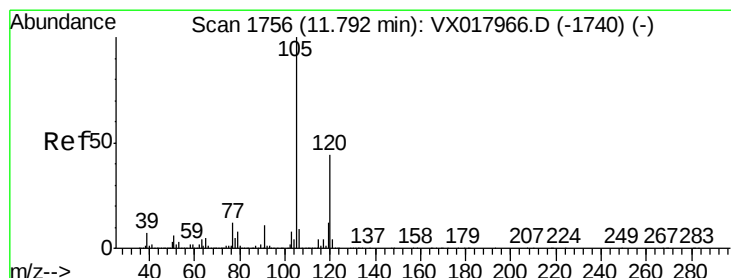
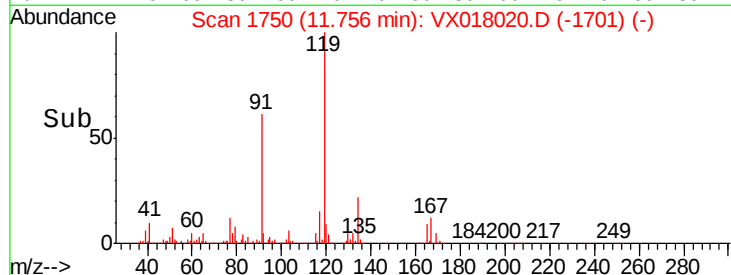
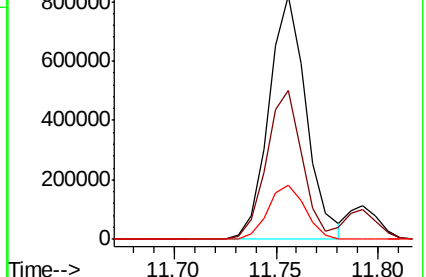
134 22.3 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.263 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018020.D

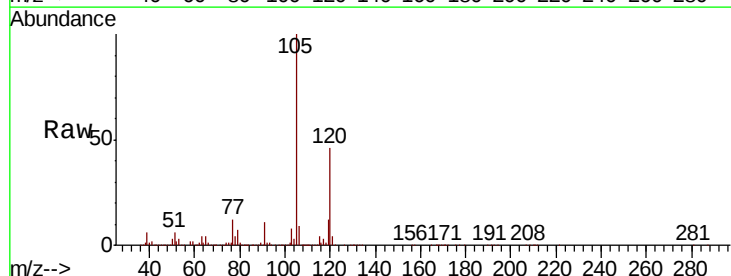
Acq: 20 Aug 2020 06:08

Tgt Ion:105 Resp: 1096977

Ion Ratio Lower Upper

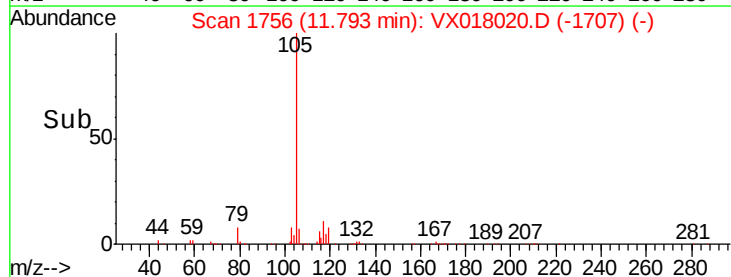
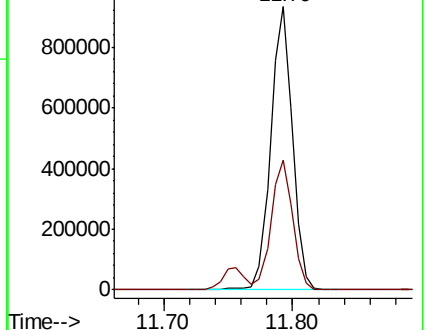
105 100

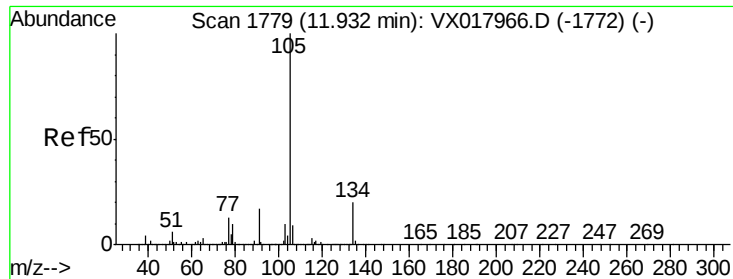
120 45.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.377 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

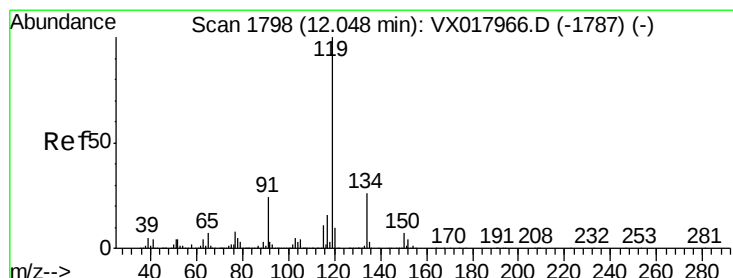
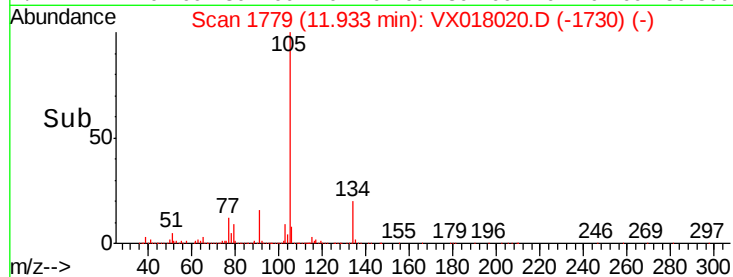
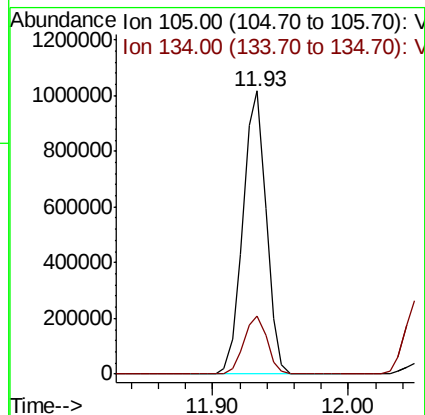
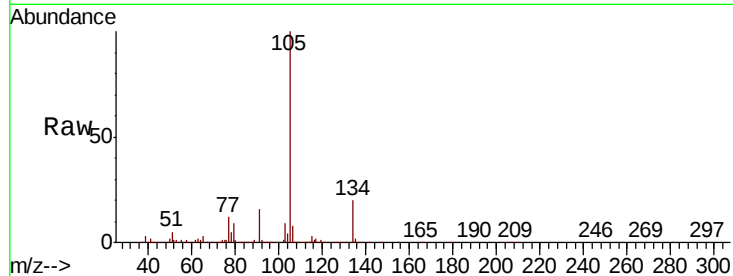
VSTDCCC050EC

Tot Ion:105 Resp: 1210823

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9



#86

p-Isopropyltoluene

Concen: 48.786 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

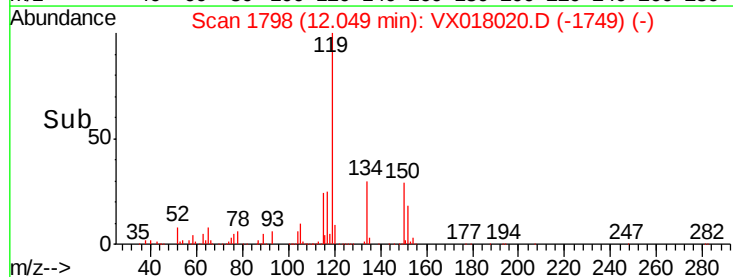
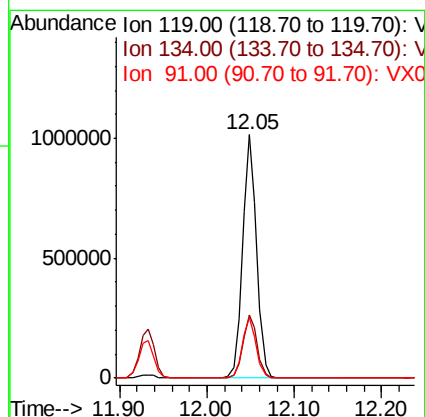
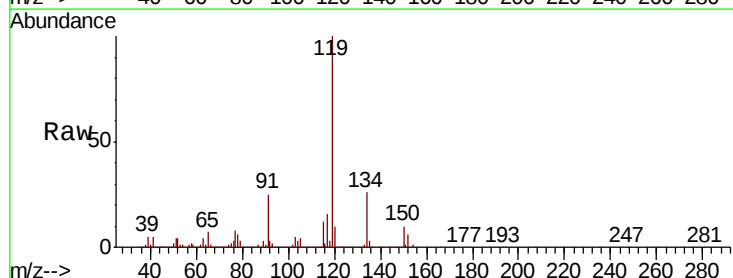
Tgt Ion:119 Resp: 1135874

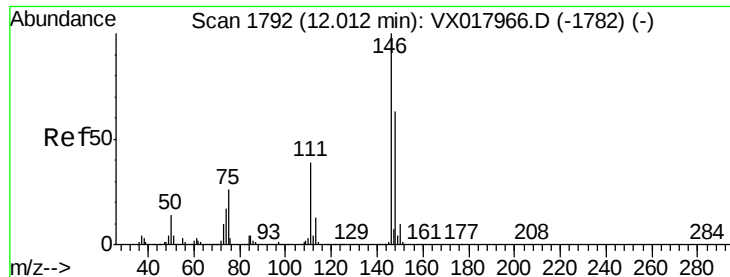
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.0

91 24.5 12.2 36.4

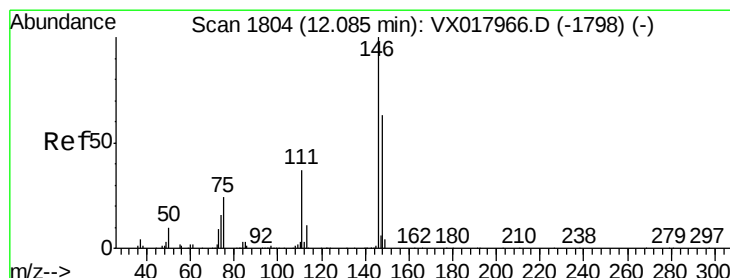
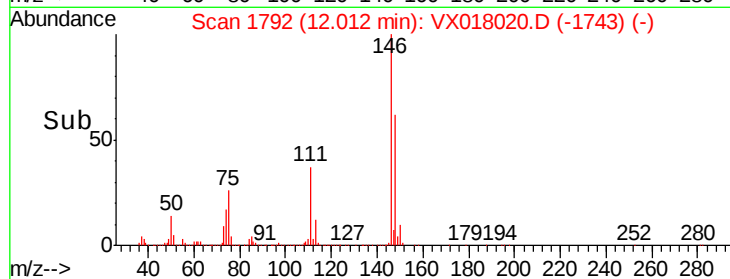
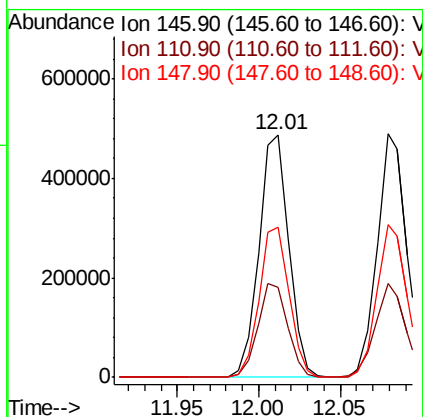
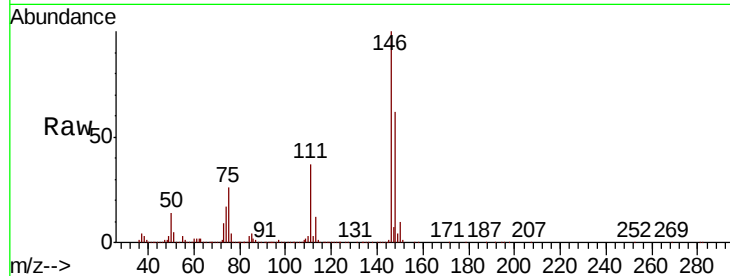




#87
 1,3-Dichlorobenzene
 Concen: 49.045 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

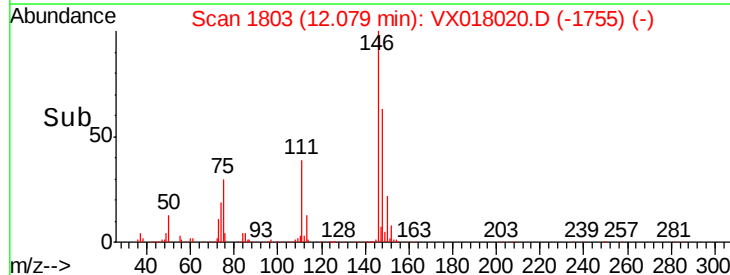
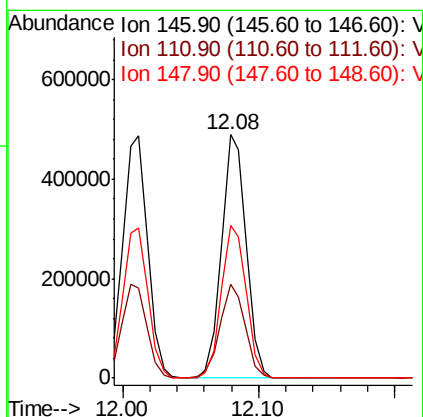
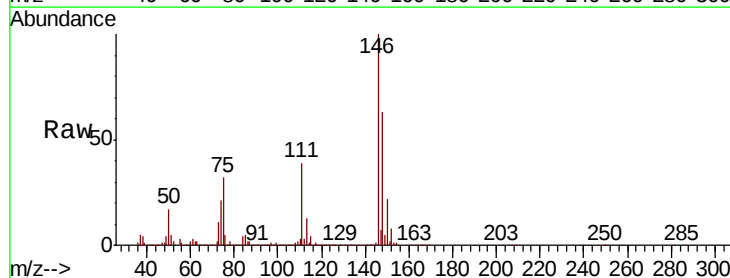
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

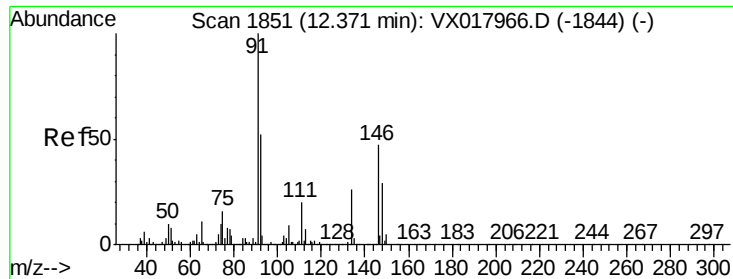
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.3
148	62.2	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 49.407 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.5	31.9	95.7

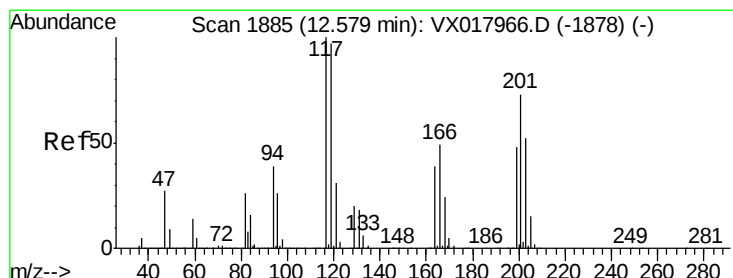
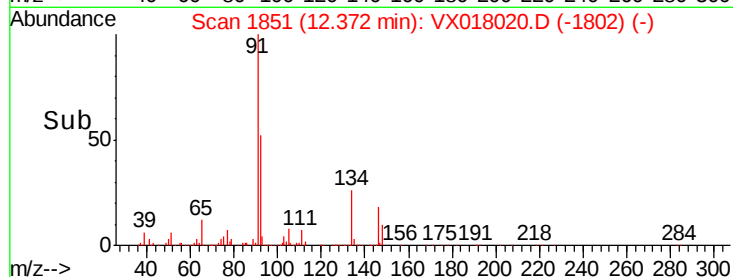
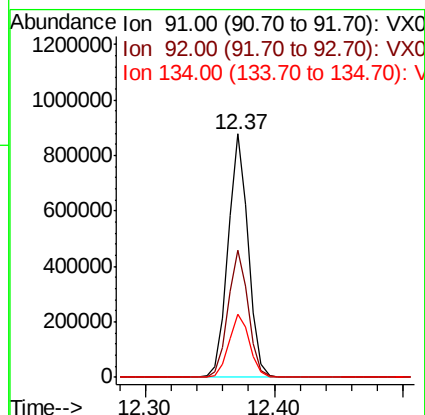
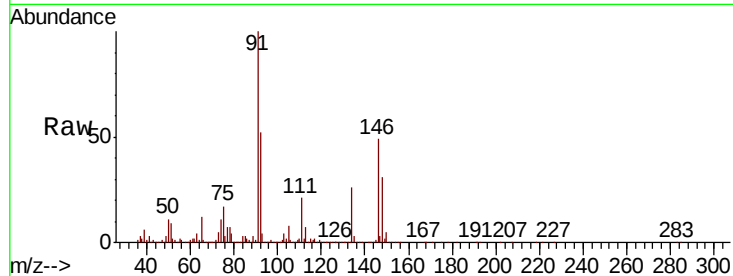




#89
n-Butylbenzene
Concen: 50.060 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

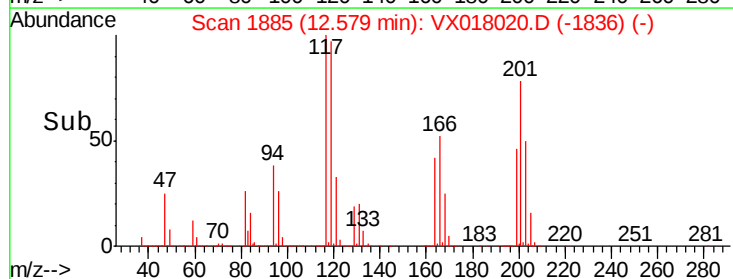
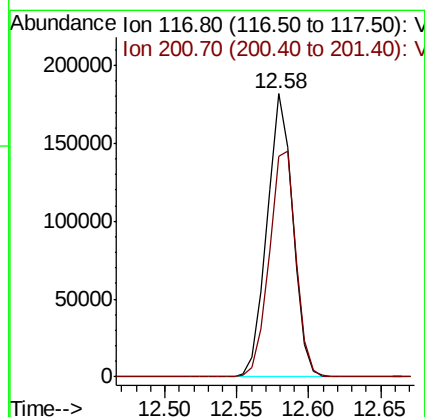
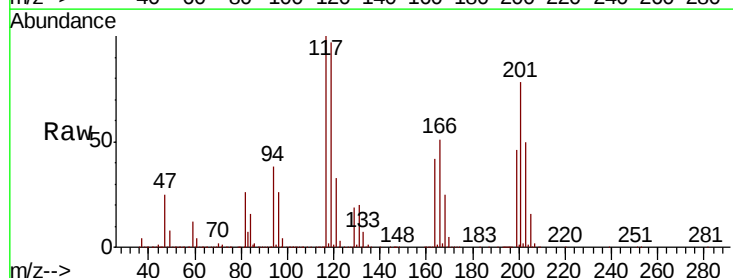
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

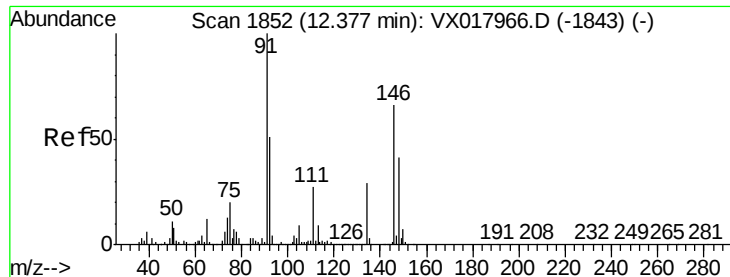
Tot Ion: 91 Resp: 964644
Ion Ratio Lower Upper
91 100
92 52.6 25.7 77.0
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 48.511 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018020.D
Acq: 20 Aug 2020 06:08

Tgt Ion: 117 Resp: 224634
Ion Ratio Lower Upper
117 100
201 82.5 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 50.559 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

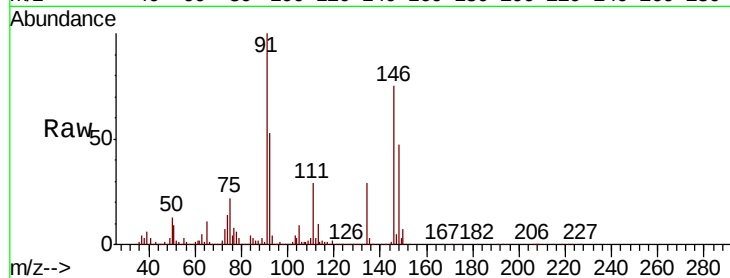
Tot Ion:146 Resp: 589491

Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.9

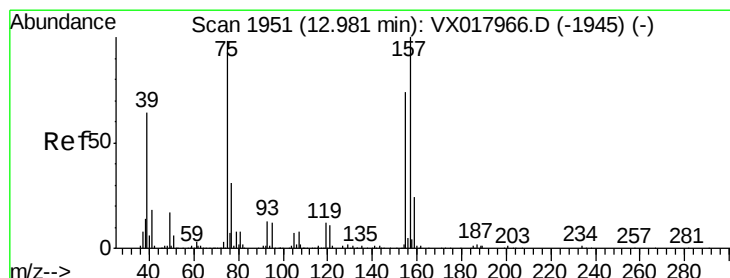
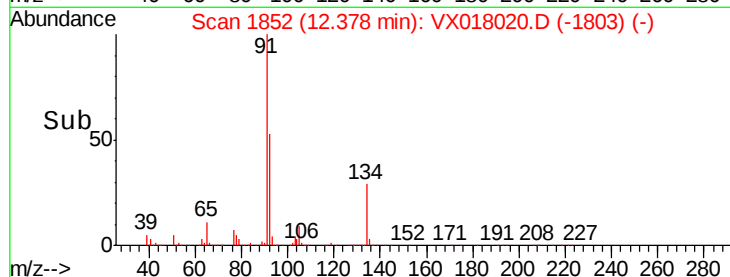
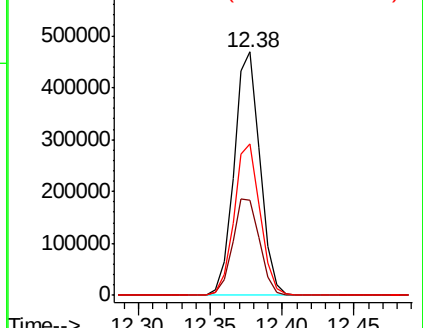
148 62.6 31.2 93.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.865 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

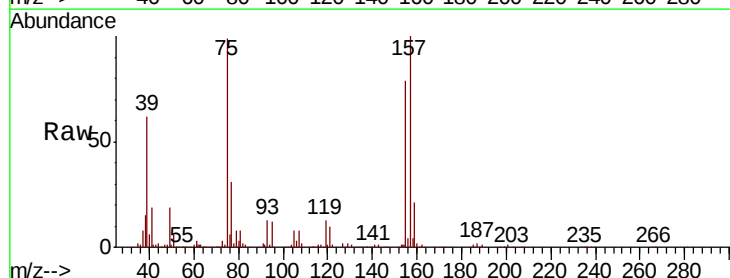
Tgt Ion: 75 Resp: 101940

Ion Ratio Lower Upper

75 100

155 83.9 40.5 121.5

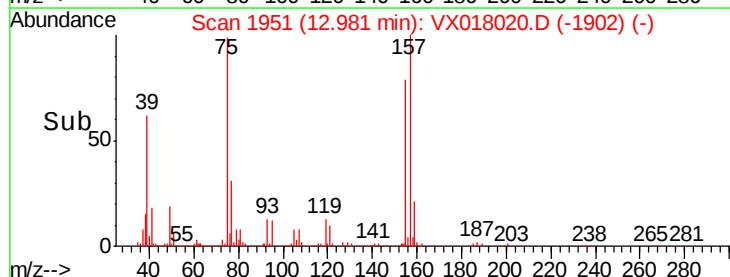
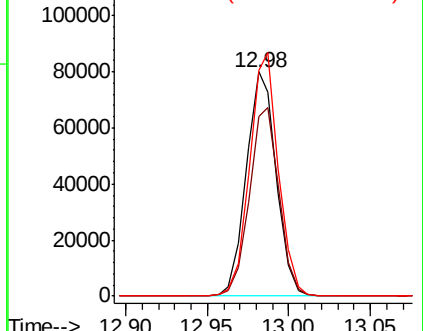
157 104.6 54.4 163.2

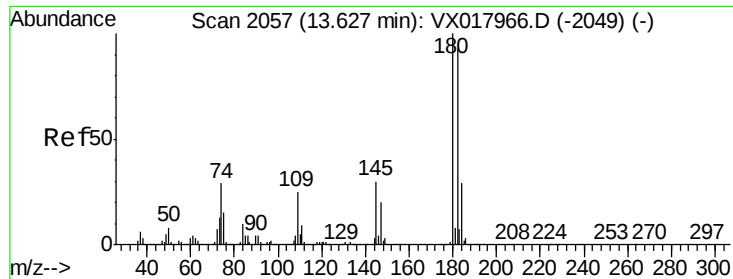


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

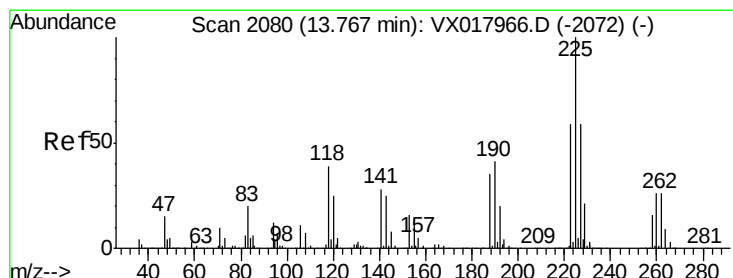
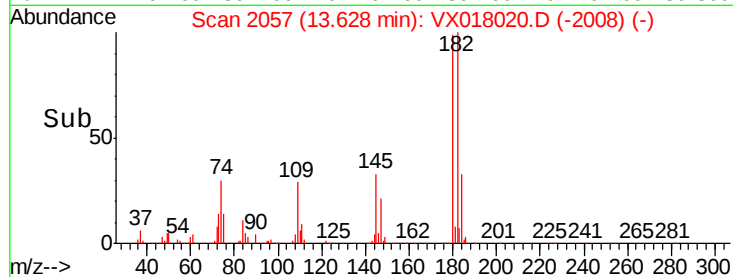
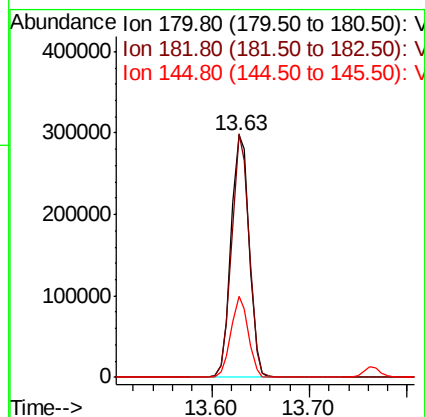
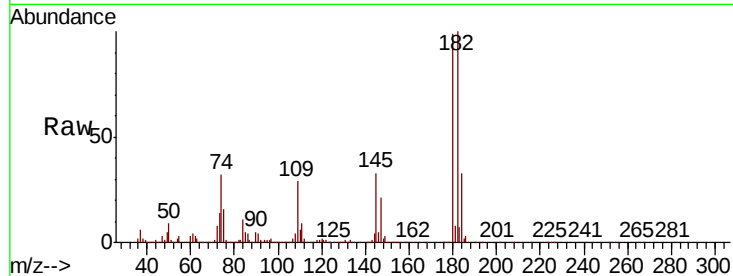




#93
 1,2,4-Trichlorobenzene
 Concen: 50.077 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

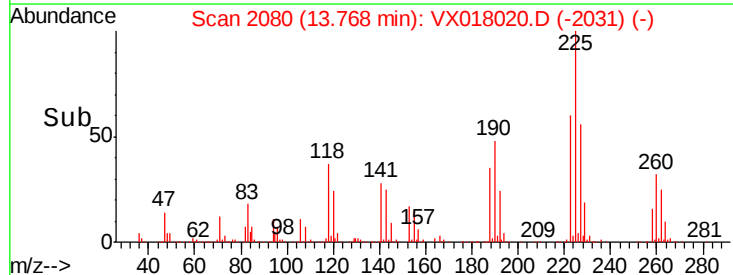
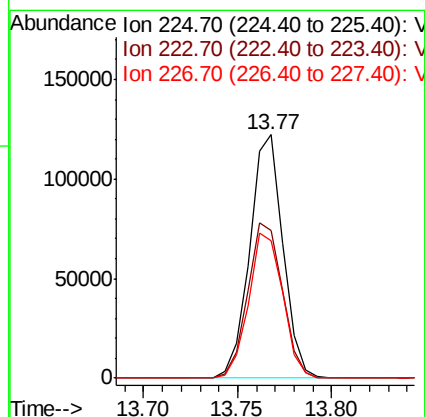
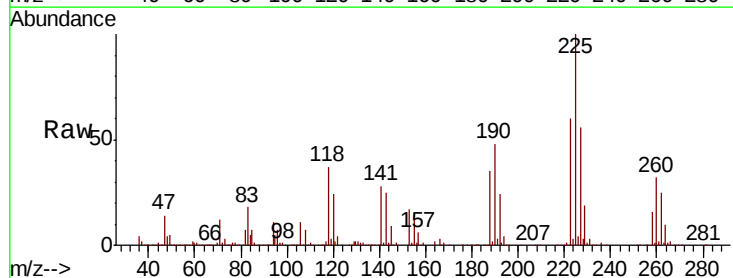
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

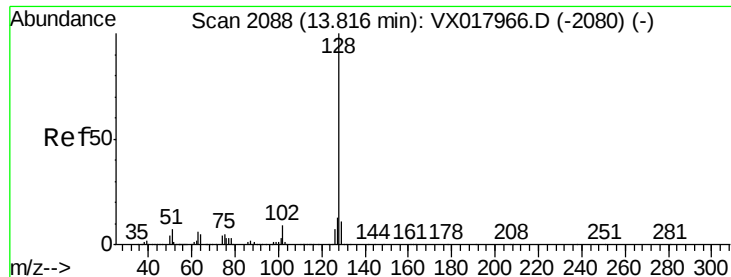
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.8	146.4
145	32.0	16.0	48.0



#94
 Hexachlorobutadiene
 Concen: 45.523 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX018020.D
 Acq: 20 Aug 2020 06:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	32.1	96.3
227	61.6	29.8	89.5





#95

Naphthalene

Concen: 53.305 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

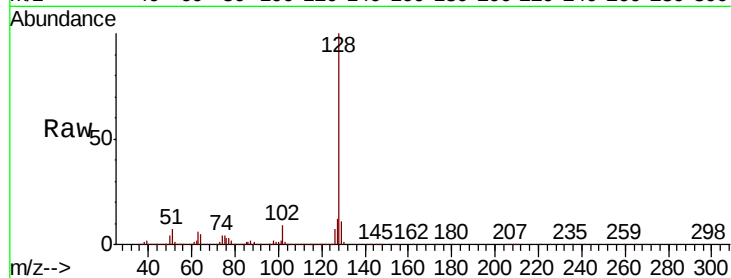
Tot Ion:128 Resp: 1290624

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

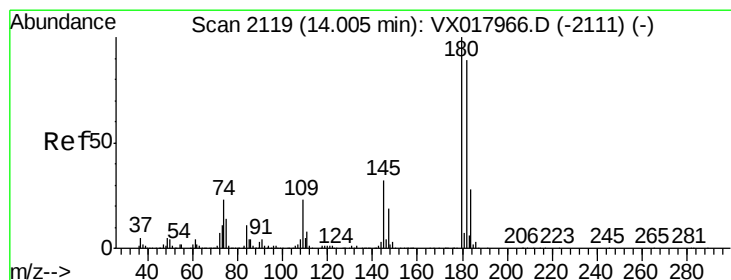
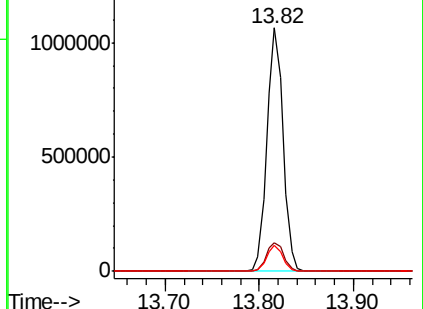
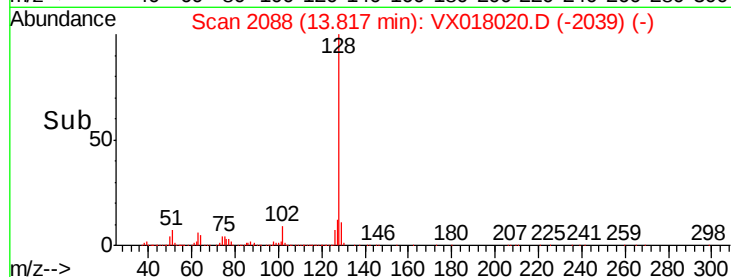
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.282 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018020.D

Acq: 20 Aug 2020 06:08

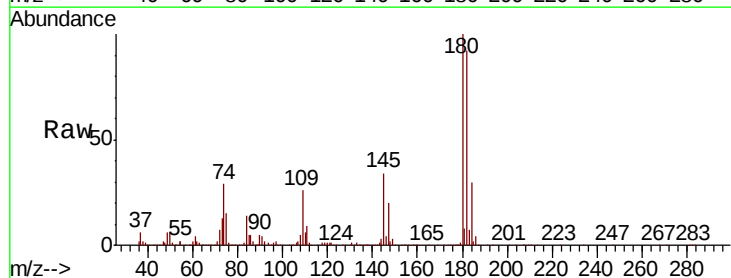
Tgt Ion:180 Resp: 392186

Ion Ratio Lower Upper

180 100

182 95.8 46.6 139.8

145 33.5 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

