

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006869.D
 Acq On : 28 Dec 2018 18:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 28 23:02:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	569156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	842477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	747657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	376511	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	293542	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	269595	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	8.71	98	982990	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.13	95	347015	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	199572	38.329	ug/l	98
3) Chloromethane	1.33	50	224546	40.029	ug/l	99
4) Vinyl Chloride	1.41	62	255919	43.682	ug/l	98
5) Bromomethane	1.64	94	235469	42.793	ug/l	98
6) Chloroethane	1.71	64	168144	41.449	ug/l	99
7) Trichlorofluoromethane	1.92	101	420652	46.053	ug/l	97
8) Diethyl Ether	2.19	74	173551	47.837	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	243624	45.426	ug/l	99
10) Methyl Iodide	2.51	142	375279	48.883	ug/l	100
11) Tert butyl alcohol	3.08	59	303400	221.627	ug/l	99
12) 1,1-Dichloroethene	2.37	96	230696	45.366	ug/l	97
13) Acrolein	2.29	56	207903	225.122	ug/l	97
14) Allyl chloride	2.73	41	408360	47.707	ug/l	99
15) Acrylonitrile	3.15	53	765267	251.771	ug/l	100
16) Acetone	2.45	43	616525	218.765	ug/l	98
17) Carbon Disulfide	2.57	76	479416	35.625	ug/l	99
18) Methyl Acetate	2.78	43	460079	55.519	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	876459	51.929	ug/l	100
20) Methylene Chloride	2.85	84	271623	46.610	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	244916	43.468	ug/l	98
22) Diisopropyl ether	3.87	45	786668	50.236	ug/l	95
23) Vinyl Acetate	3.82	43	3140442	245.177	ug/l	100
24) 1,1-Dichloroethane	3.70	63	430742	46.079	ug/l	99
25) 2-Butanone	4.70	43	913137	230.348	ug/l	100
26) 2,2-Dichloropropane	4.58	77	290755	40.266	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	289989	46.648	ug/l	99
28) Bromochloromethane	5.02	49	205010	52.104	ug/l	98
29) Tetrahydrofuran	5.15	42	621226	237.934	ug/l	98
30) Chloroform	5.21	83	454621	46.964	ug/l	96
31) Cyclohexane	5.57	56	348517	41.039	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	380793	46.587	ug/l	99
36) 1,1-Dichloropropene	5.80	75	317624	45.520	ug/l	99
37) Ethyl Acetate	4.85	43	365277	50.297	ug/l	98
38) Carbon Tetrachloride	5.78	117	317037	46.752	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	358419	39.017	ug/l	99
40) Benzene	6.14	78	1000101	47.153	ug/l	99
41) Methacrylonitrile	5.06	41	203336	52.735	ug/l	99
42) 1,2-Dichloroethane	6.20	62	345005	47.736	ug/l	99
43) Isopropyl Acetate	6.46	43	586940	53.116	ug/l	99
44) Trichloroethene	7.21	130	293345	45.696	ug/l	97
45) 1,2-Dichloropropane	7.52	63	261566	50.678	ug/l	98
46) Dibromomethane	7.66	93	179459	47.270	ug/l	96
47) Bromodichloromethane	7.90	83	309401	49.088	ug/l	99
48) Methyl methacrylate	7.77	41	299508	53.300	ug/l	97
49) 1,4-Dioxane	7.75	88	118700	803.428	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1818461	258.639	ug/l	99
52) Toluene	8.78	92	641666	46.829	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	347180	51.359	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	382865	51.618	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	278328	49.625	ug/l	99
56) Ethyl methacrylate	9.18	69	405393	51.140	ug/l	95
57) 1,3-Dichloropropane	9.37	76	441004	48.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1102569	261.658	ug/l	99
59) 2-Hexanone	9.49	43	1340624	249.212	ug/l	99
60) Dibromochloromethane	9.59	129	268502	45.969	ug/l	100
61) 1,2-Dibromoethane	9.67	107	296553	49.739	ug/l	100
64) Tetrachloroethene	9.34	164	276772	46.750	ug/l	95
65) Chlorobenzene	10.14	112	754507	47.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	271640	55.044	ug/l	98
67) Ethyl Benzene	10.25	91	1222388	47.294	ug/l	99
68) m/p-Xylenes	10.36	106	961391	94.263	ug/l	99
69) o-Xylene	10.70	106	473830	47.048	ug/l	97
70) Styrene	10.71	104	770515	48.358	ug/l	99
71) Bromoform	10.86	173	194480	44.253	ug/l #	98
73) Isopropylbenzene	11.02	105	1238304	48.075	ug/l	99
74) N-amyl acetate	10.90	43	525060	56.949	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	400442	52.274	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	444316	63.500	ug/l	90
77) Bromobenzene	11.26	156	344105	49.414	ug/l	99
78) n-propylbenzene	11.36	91	1363394	48.067	ug/l	99
79) 2-Chlorotoluene	11.42	91	806193	46.901	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1010562	47.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	100637	44.297	ug/l	97
82) 4-Chlorotoluene	11.51	91	942756	47.814	ug/l	100
83) tert-Butylbenzene	11.77	119	1027235	48.377	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1034310	46.349	ug/l	100
85) sec-Butylbenzene	11.94	105	1180570	45.348	ug/l	100
86) p-Isopropyltoluene	12.07	119	1062270	46.418	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	600041	47.810	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	603284	46.890	ug/l	99
89) n-Butylbenzene	12.38	91	891686	45.784	ug/l	99
90) Hexachloroethane	12.60	117	152179	42.984	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	597625	47.602	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78770	49.696	ug/l	98

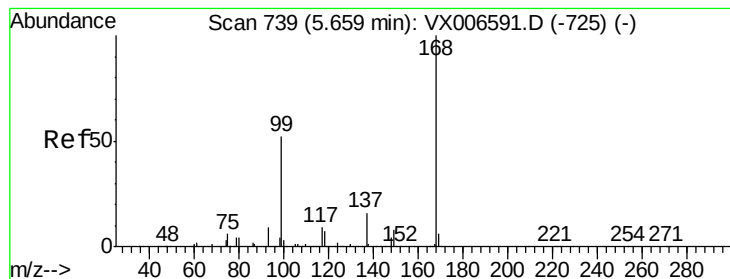
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	400715	46.271	ug/l	99
94) Hexachlorobutadiene	13.78	225	171926	42.119	ug/l	99
95) Naphthalene	13.83	128	1247496	45.133	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	388408	43.438	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

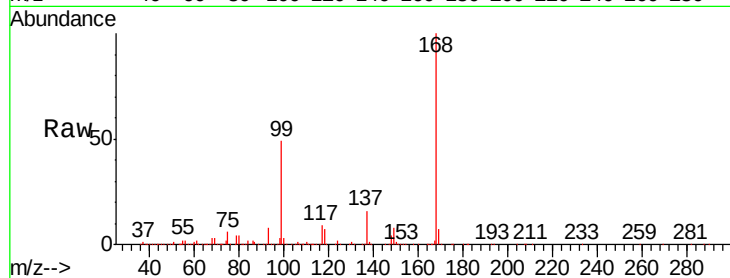
VSTDCCC050EC

Tgt Ion:168 Resp: 569156

Ion Ratio Lower Upper

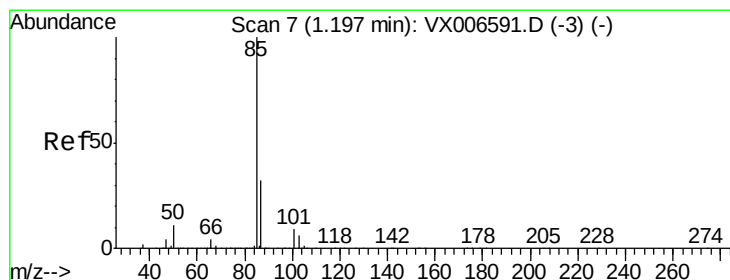
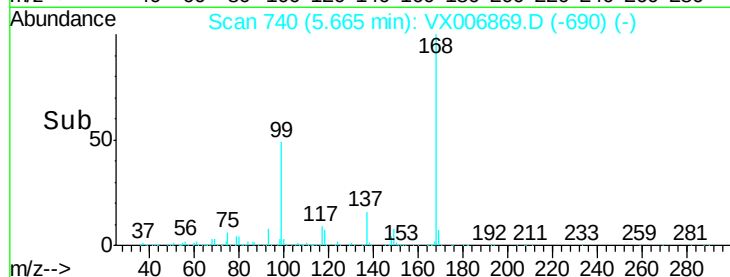
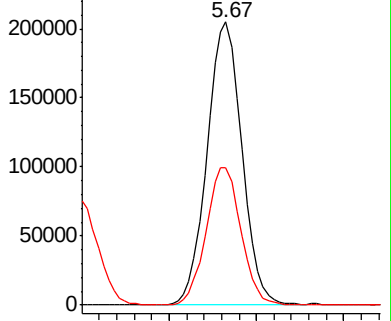
168 100

99 48.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 38.329 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006869.D

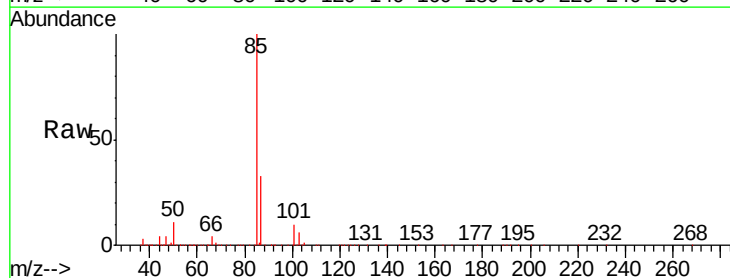
Acq: 28 Dec 2018 18:46

Tgt Ion: 85 Resp: 199572

Ion Ratio Lower Upper

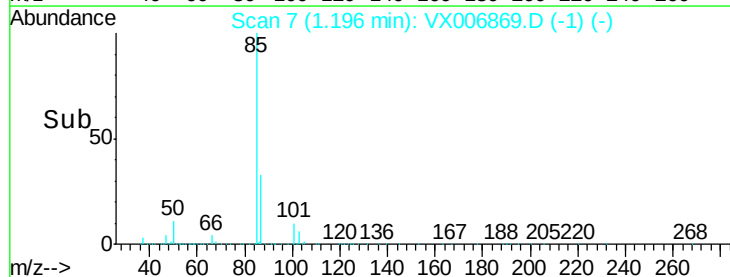
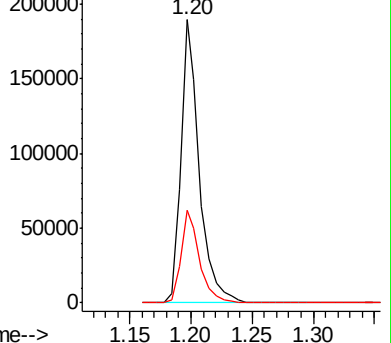
85 100

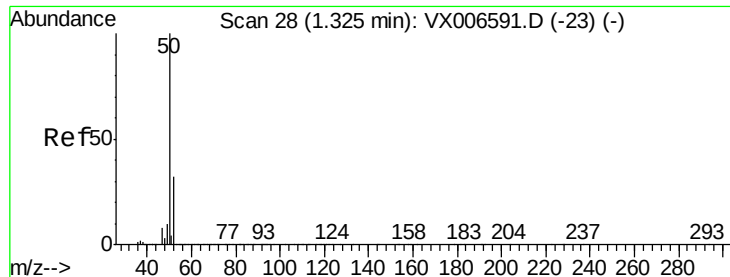
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 40.029 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

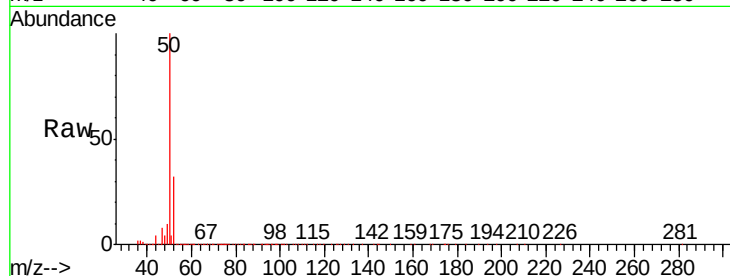
VSTDCCC050EC

Tgt Ion: 50 Resp: 224546

Ion Ratio Lower Upper

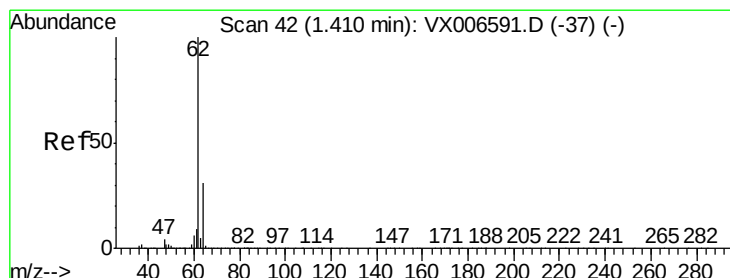
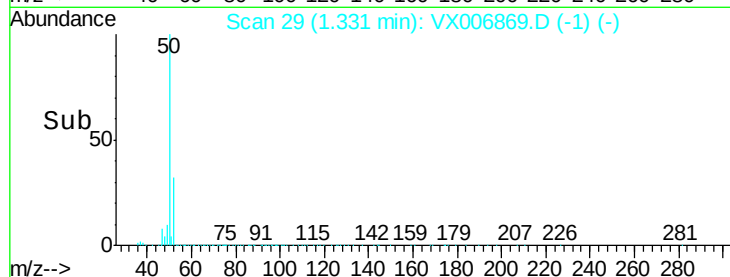
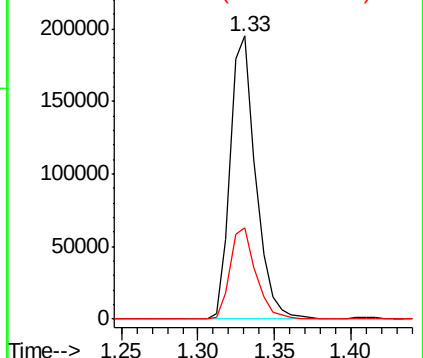
50 100

52 32.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.682 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006869.D

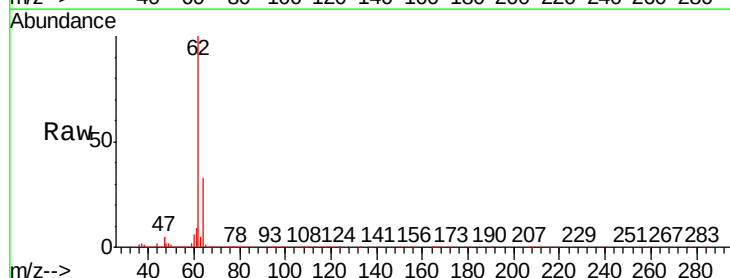
Acq: 28 Dec 2018 18:46

Tgt Ion: 62 Resp: 255919

Ion Ratio Lower Upper

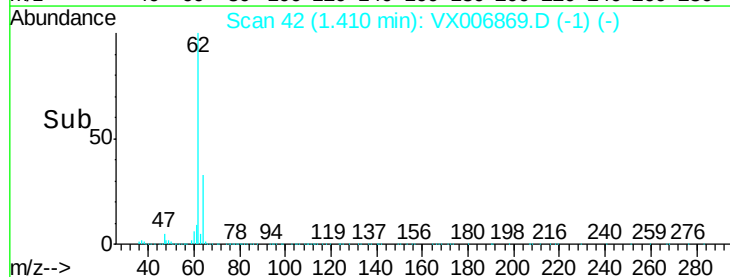
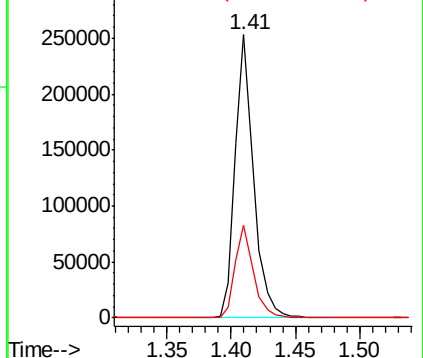
62 100

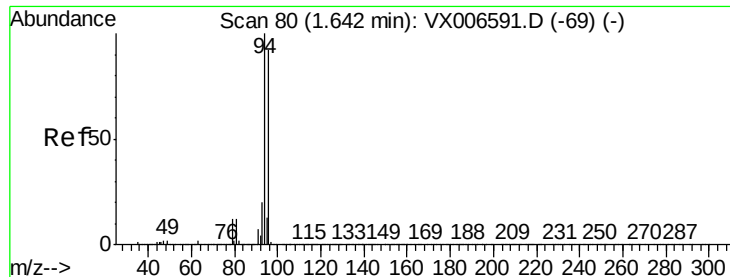
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.793 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

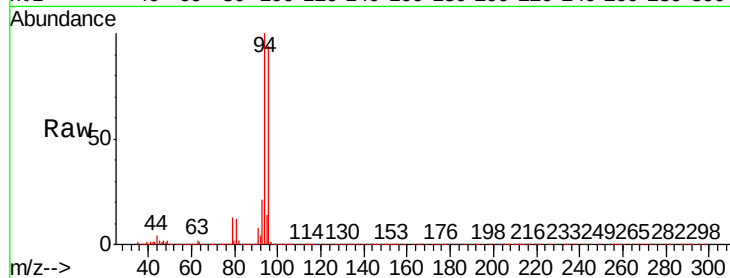
VSTDCCC050EC

Tgt Ion: 94 Resp: 235469

Ion Ratio Lower Upper

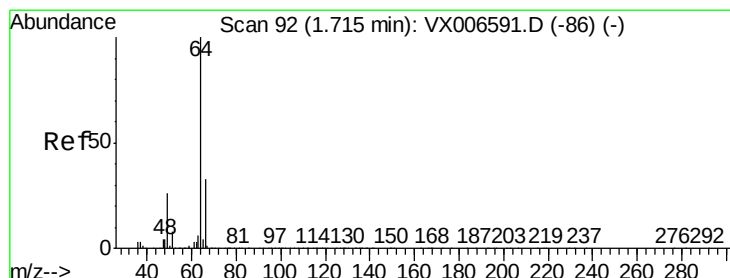
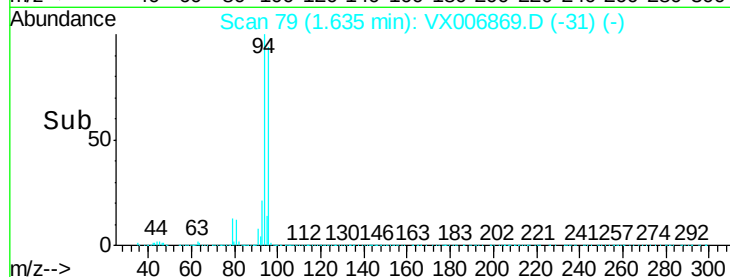
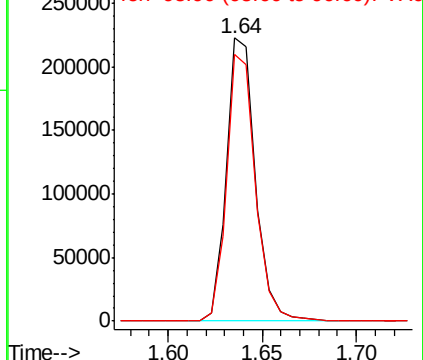
94 100

96 94.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 41.449 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006869.D

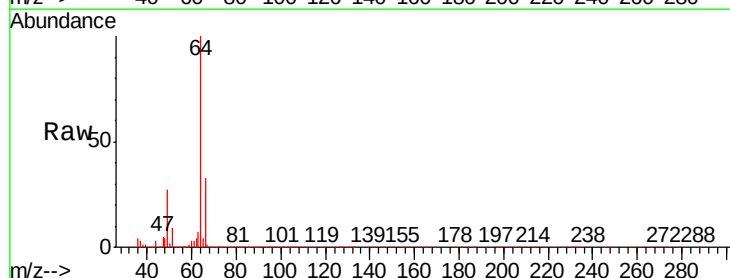
Acq: 28 Dec 2018 18:46

Tgt Ion: 64 Resp: 168144

Ion Ratio Lower Upper

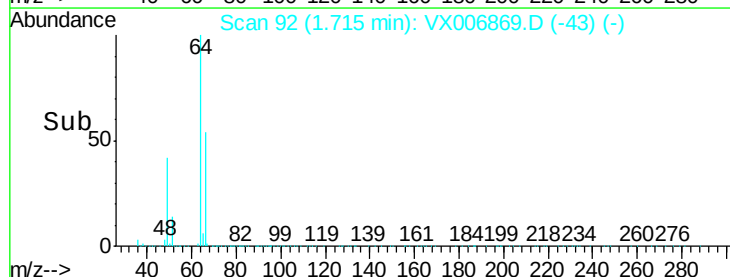
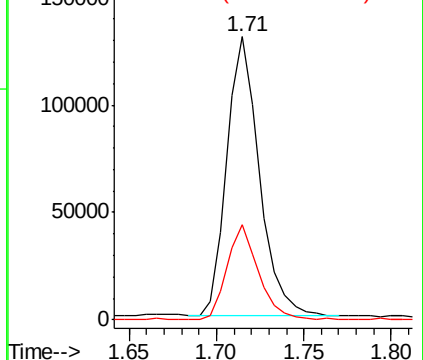
64 100

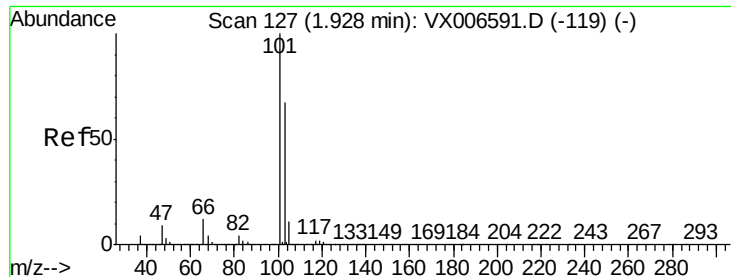
66 33.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



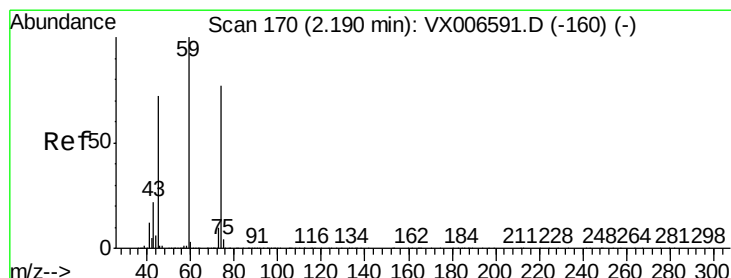
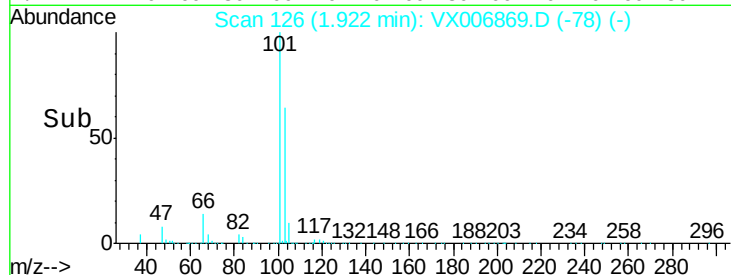
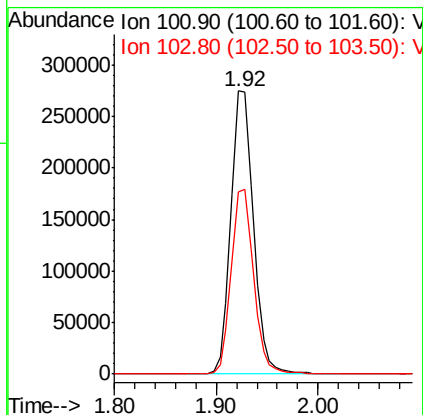
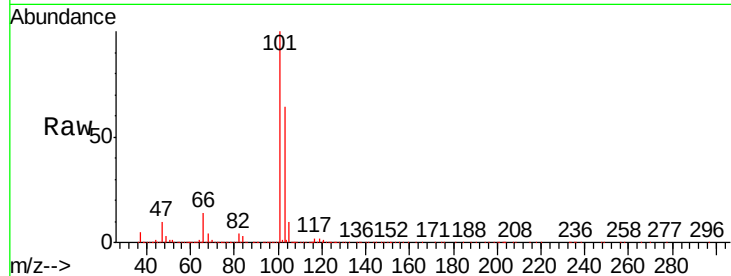


#7

Trichlorofluoromethane
 Concen: 46.053 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

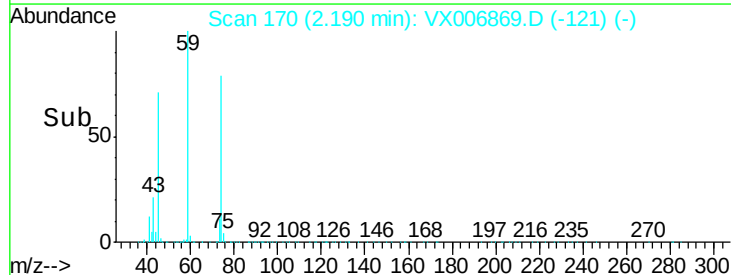
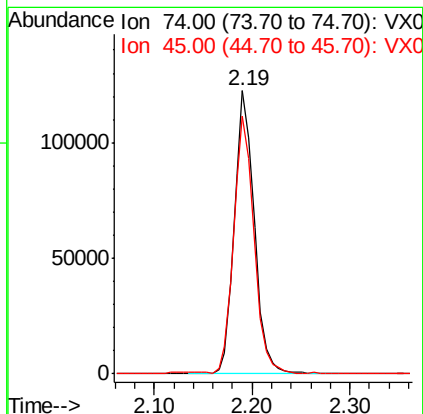
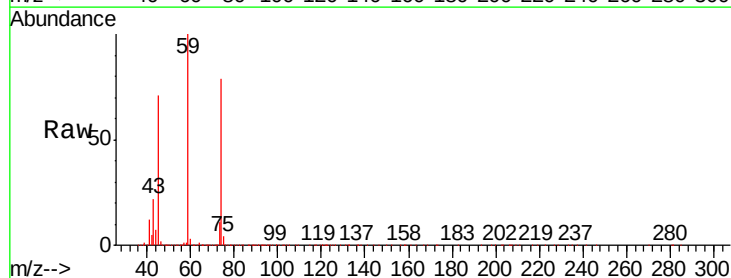
Tgt Ion: 101 Resp: 420652
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.2 79.8

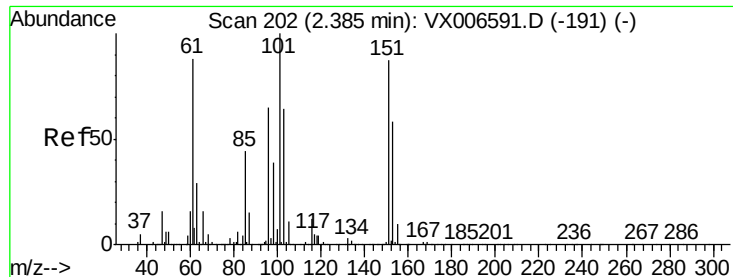


#8

Diethyl Ether
 Concen: 47.837 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion: 74 Resp: 173551
 Ion Ratio Lower Upper
 74 100
 45 92.3 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.426 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

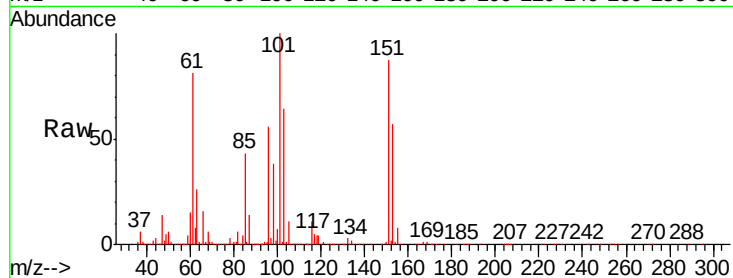
Tgt Ion:101 Resp: 243624

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

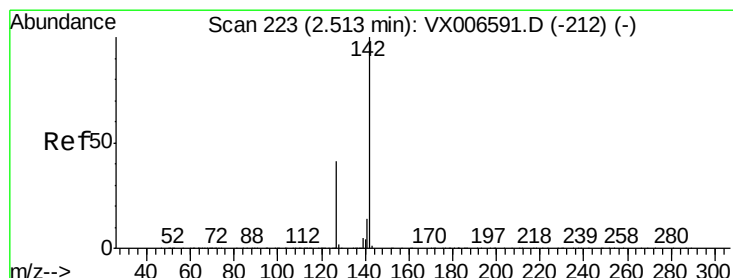
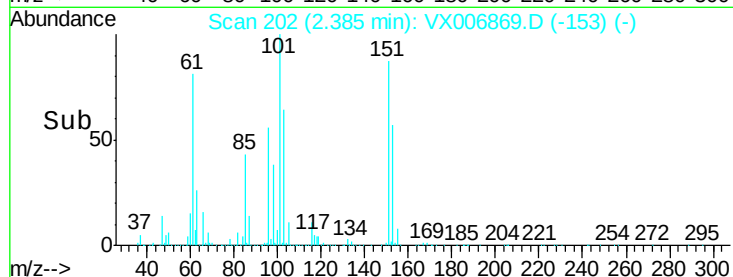
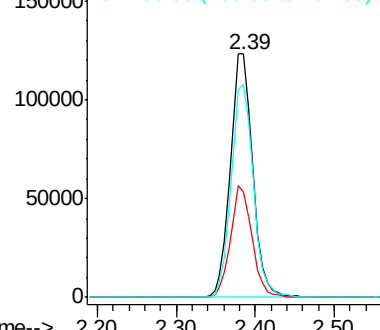
151 87.4 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.883 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

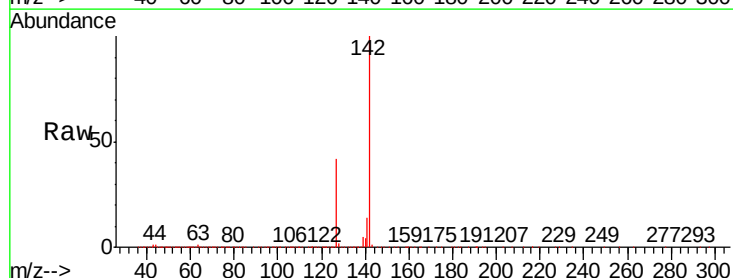
Tgt Ion:142 Resp: 375279

Ion Ratio Lower Upper

142 100

127 42.7 33.9 50.9

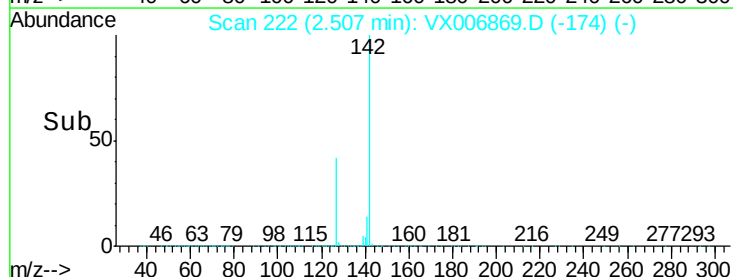
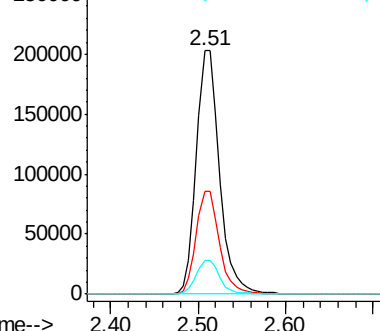
141 14.2 11.4 17.0

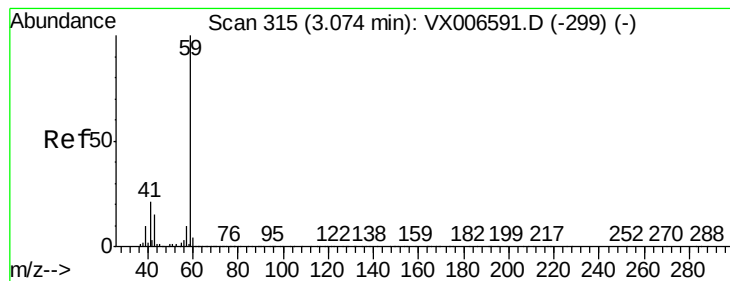


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



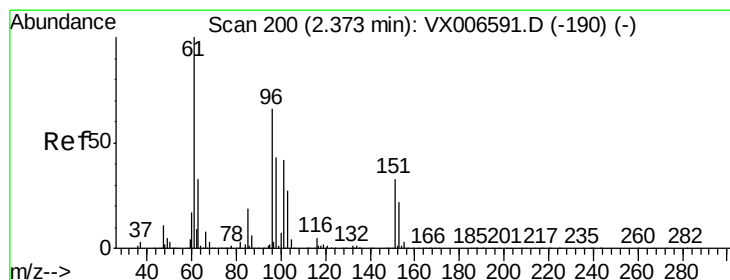
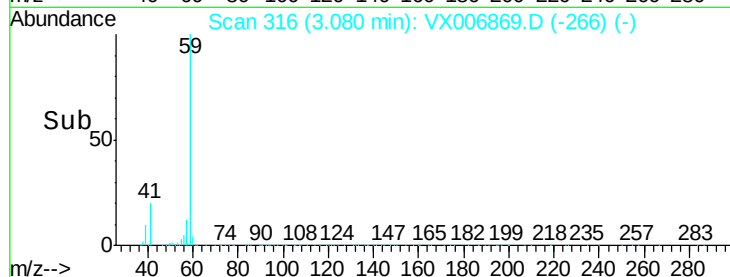
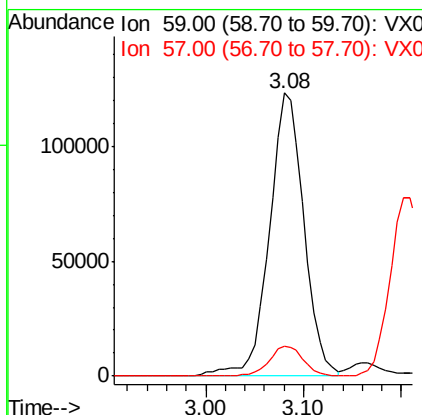
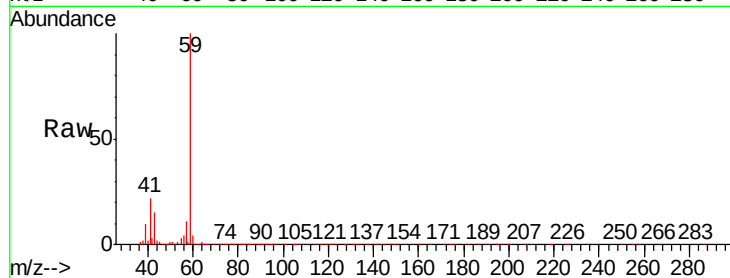


#11

Tert butyl alcohol
 Concen: 221.627 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

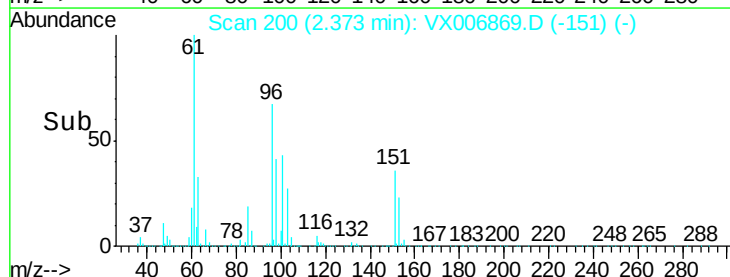
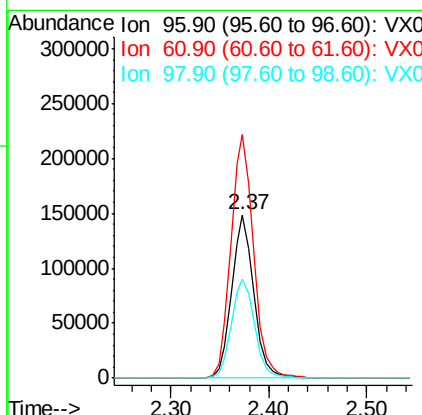
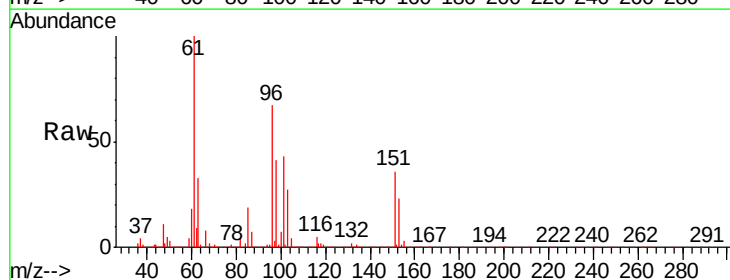
Tgt Ion: 59 Resp: 303400
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

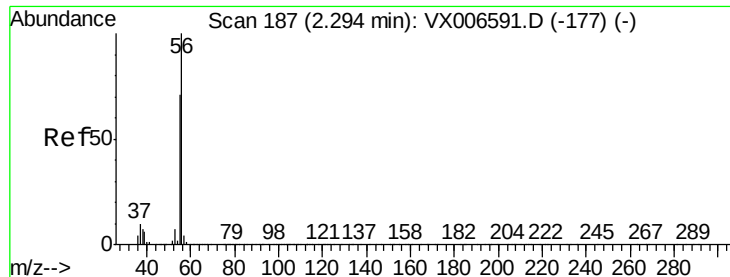


#12

1,1-Dichloroethene
 Concen: 45.366 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion: 96 Resp: 230696
 Ion Ratio Lower Upper
 96 100
 61 149.2 121.4 182.2
 98 60.6 51.9 77.9

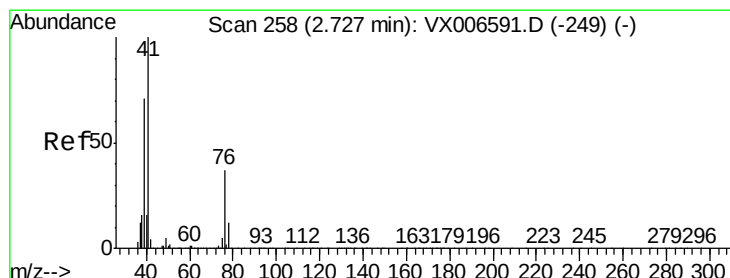
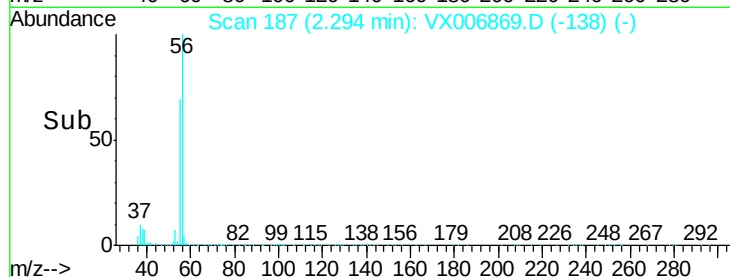
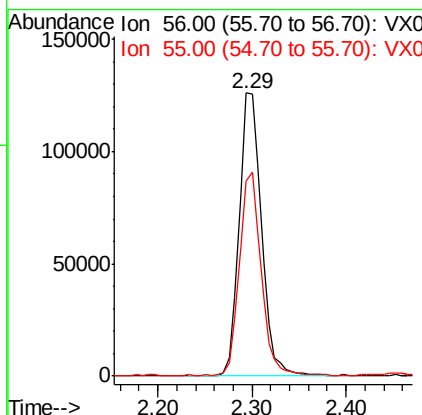
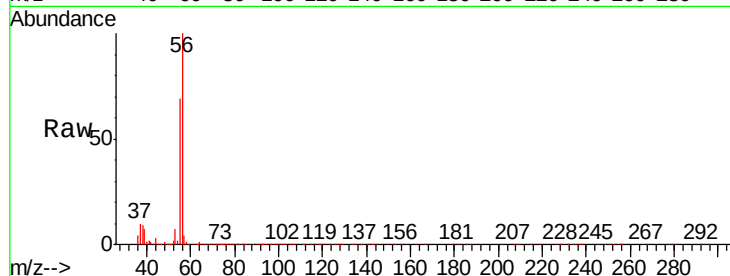




#13
Acrolein
Concen: 225.122 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

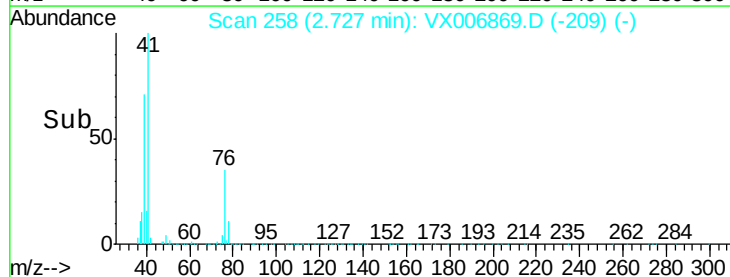
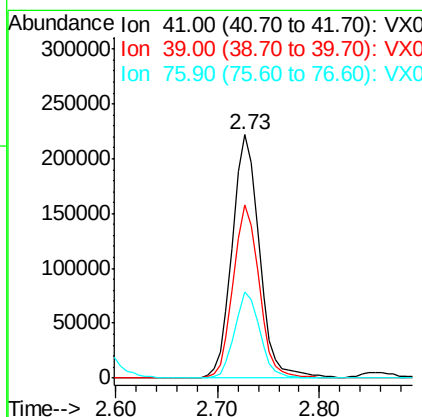
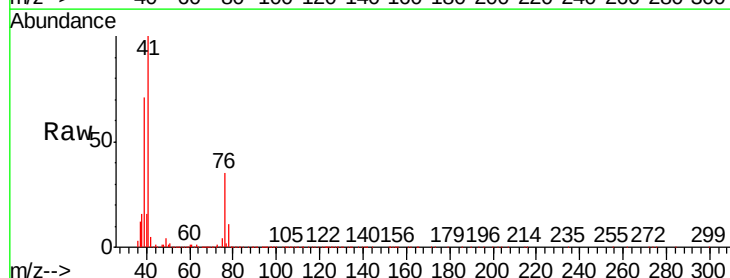
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

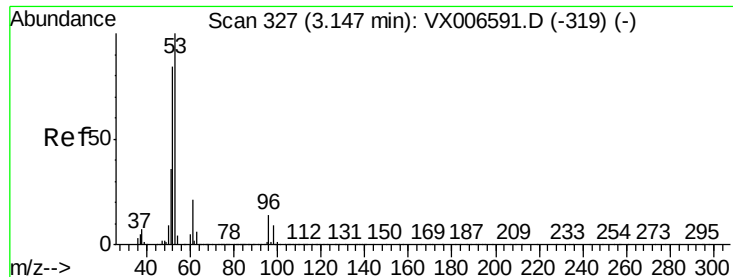
Tgt Ion: 56 Resp: 207903
Ion Ratio Lower Upper
56 100
55 70.1 58.2 87.4



#14
Allyl chloride
Concen: 47.707 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion: 41 Resp: 408360
Ion Ratio Lower Upper
41 100
39 67.6 53.6 80.4
76 32.7 27.4 41.2





#15

Acrylonitrile

Concen: 251.771 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

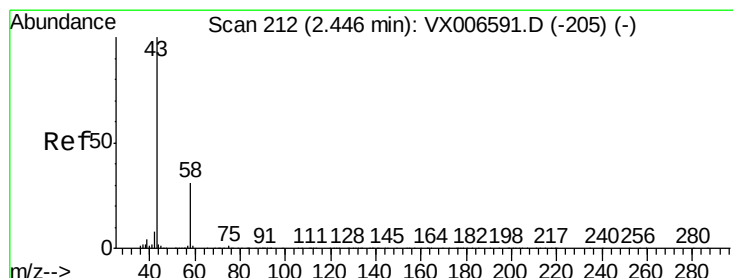
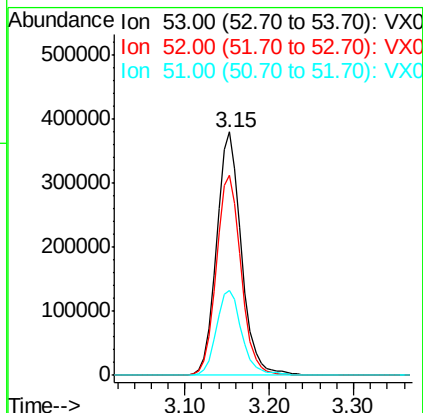
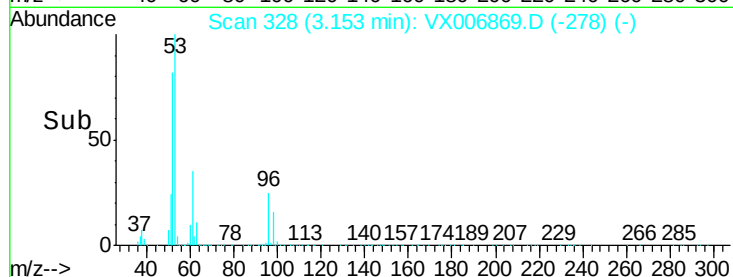
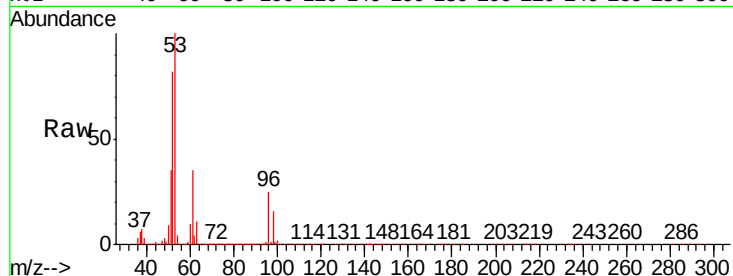
Tgt Ion: 53 Resp: 765267

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

51 35.7 28.6 42.8



#16

Acetone

Concen: 218.765 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006869.D

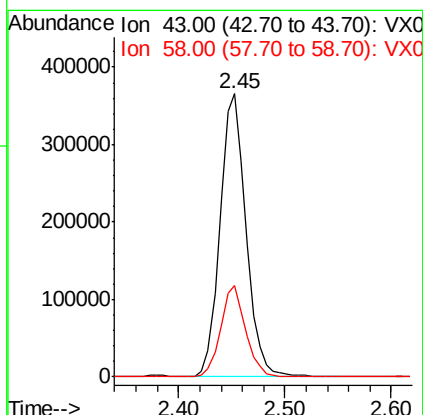
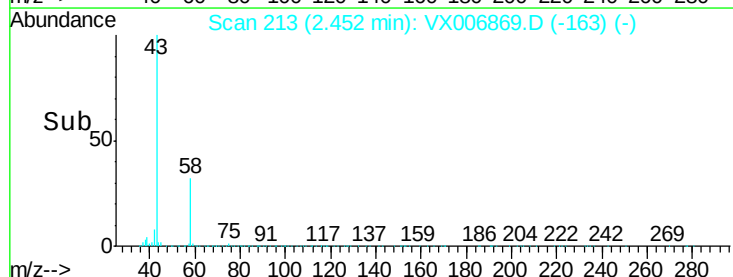
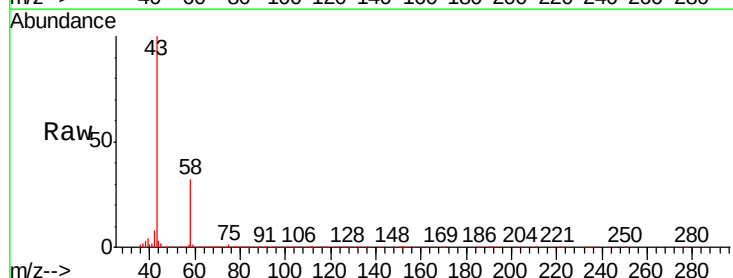
Acq: 28 Dec 2018 18:46

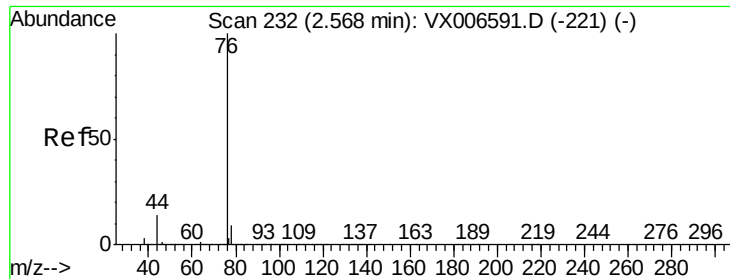
Tgt Ion: 43 Resp: 616525

Ion Ratio Lower Upper

43 100

58 32.4 25.0 37.6





#17

Carbon Disulfide

Concen: 35.625 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

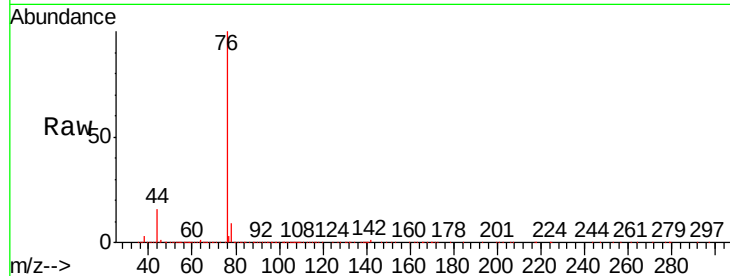
VSTDCCC050EC

Tgt Ion: 76 Resp: 479416

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

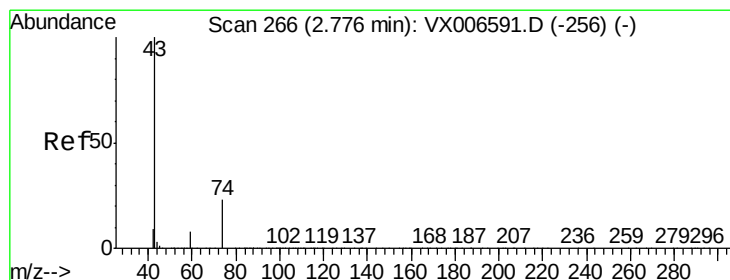
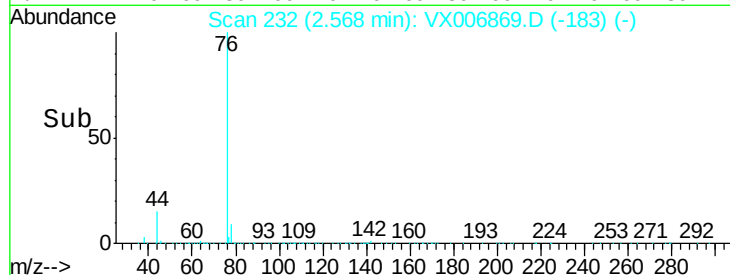
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 55.519 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006869.D

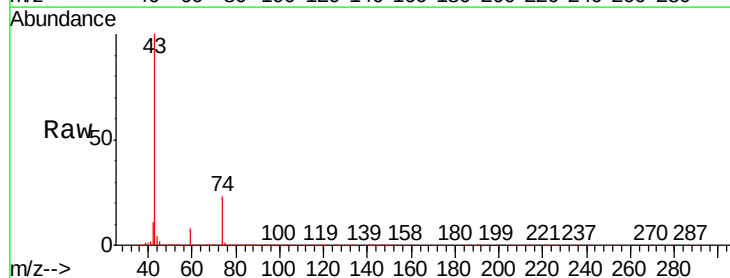
Acq: 28 Dec 2018 18:46

Tgt Ion: 43 Resp: 460079

Ion Ratio Lower Upper

43 100

74 22.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300000

250000

200000

150000

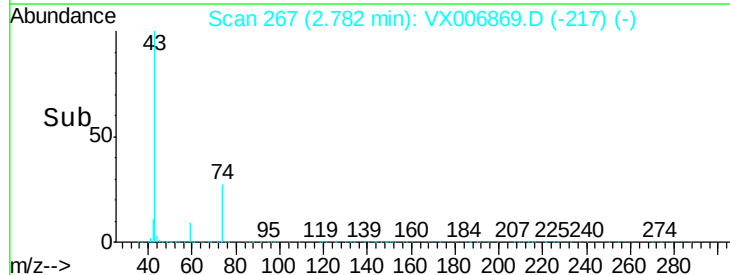
100000

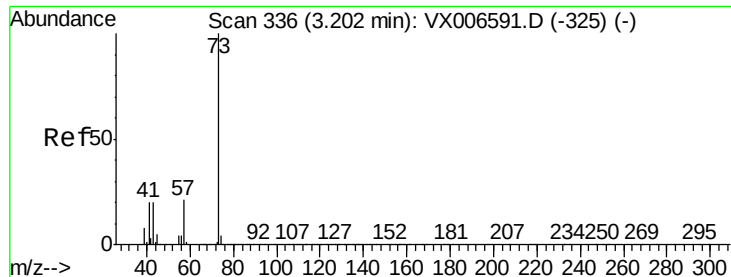
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





#19

Methyl tert-butyl Ether

Concen: 51.929 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

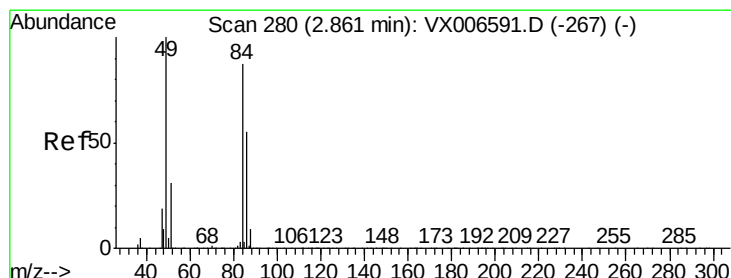
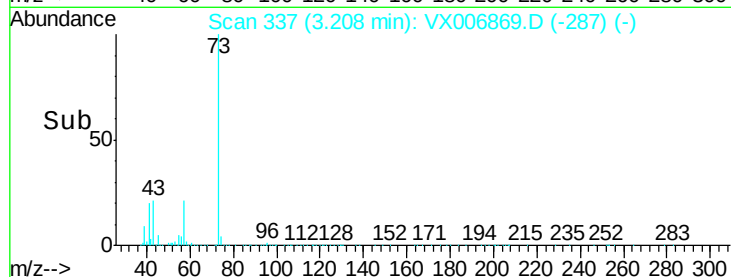
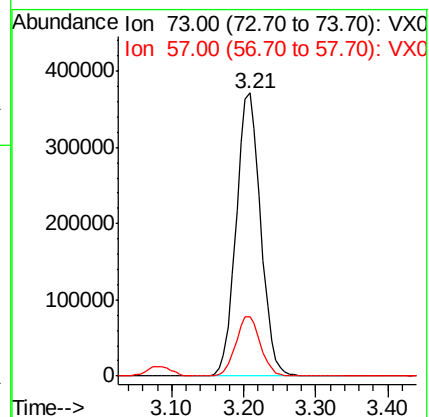
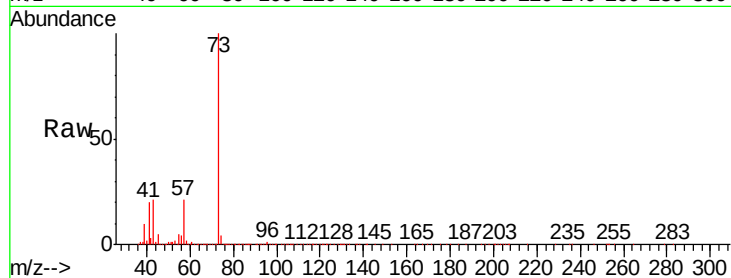
VSTDCCC050EC

Tgt Ion: 73 Resp: 876459

Ion Ratio Lower Upper

73 100

57 20.8 16.8 25.2



#20

Methylene Chloride

Concen: 46.610 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Tgt Ion: 84 Resp: 271623

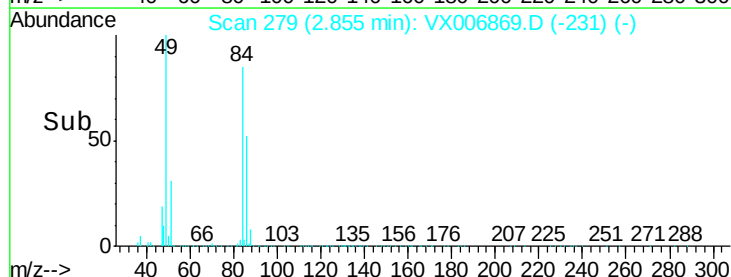
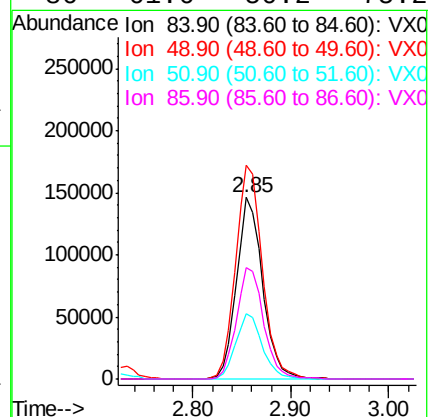
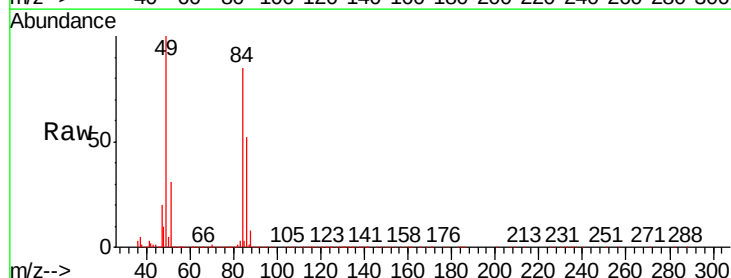
Ion Ratio Lower Upper

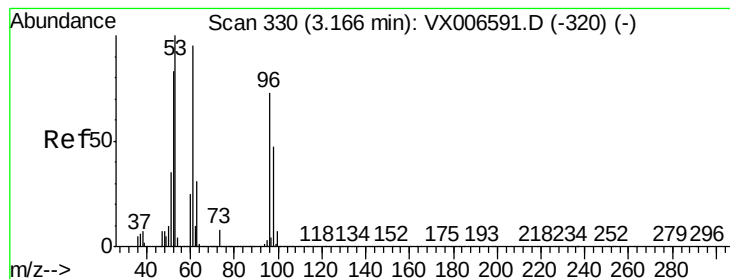
84 100

49 117.7 91.8 137.6

51 36.1 28.5 42.7

86 61.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 43.468 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

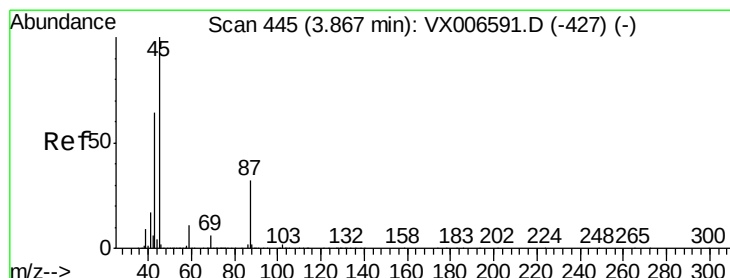
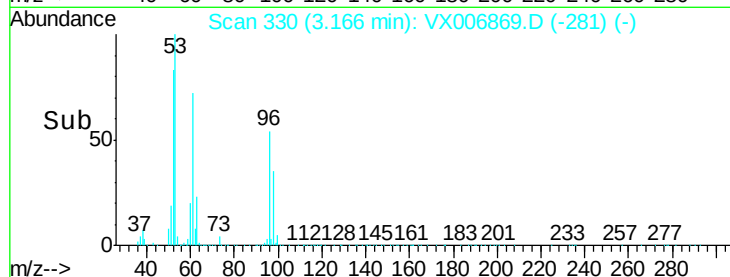
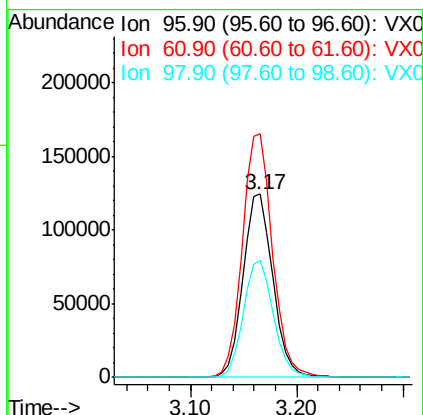
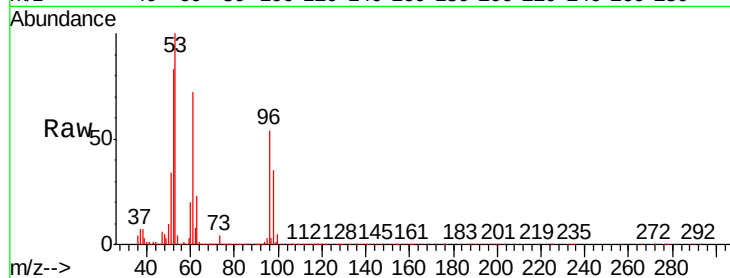
Tgt Ion: 96 Resp: 244916

Ion Ratio Lower Upper

96 100

61 132.7 103.7 155.5

98 64.0 51.0 76.6



#22

Diisopropyl ether

Concen: 50.236 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Tgt Ion: 45 Resp: 786668

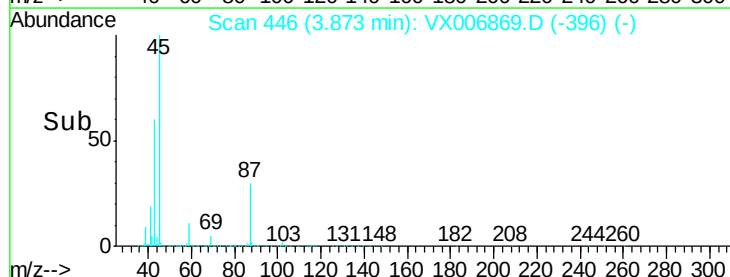
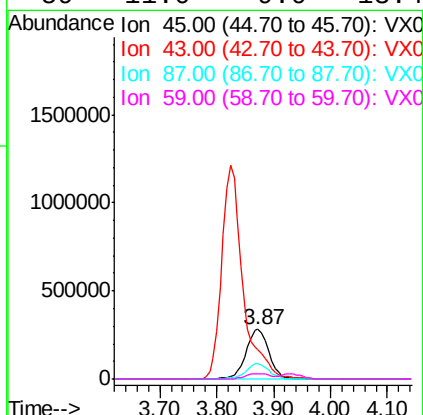
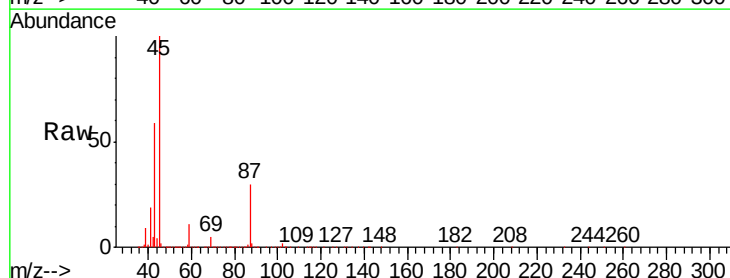
Ion Ratio Lower Upper

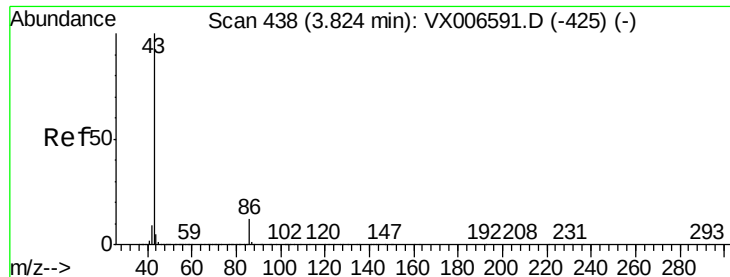
45 100

43 59.4 51.2 76.8

87 30.2 25.8 38.6

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 245.177 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

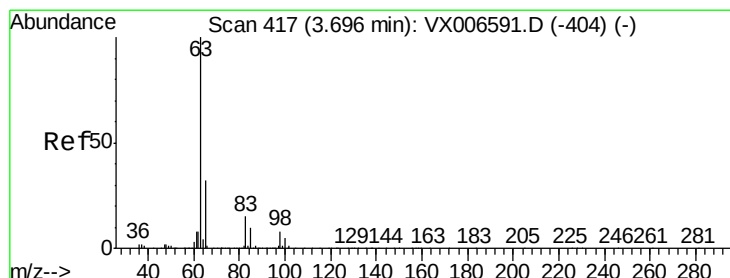
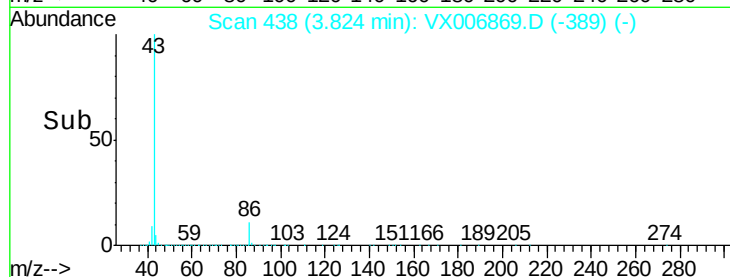
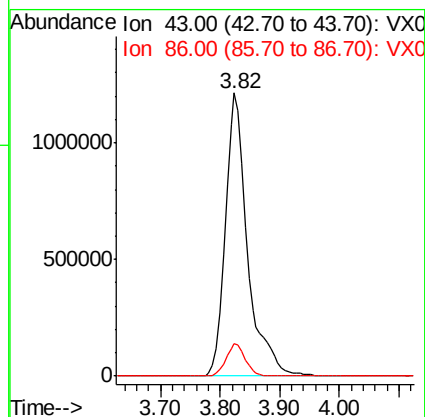
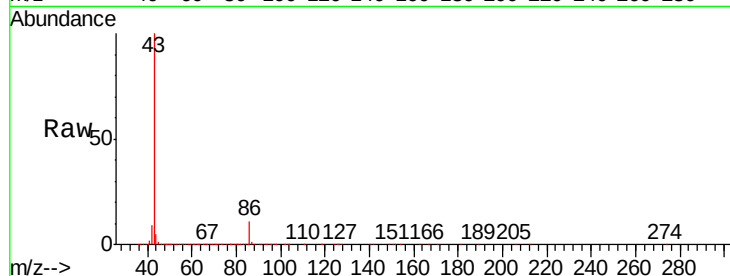
VSTDCCC050EC

Tgt Ion: 43 Resp: 3140442

Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8



#24

1,1-Dichloroethane

Concen: 46.079 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

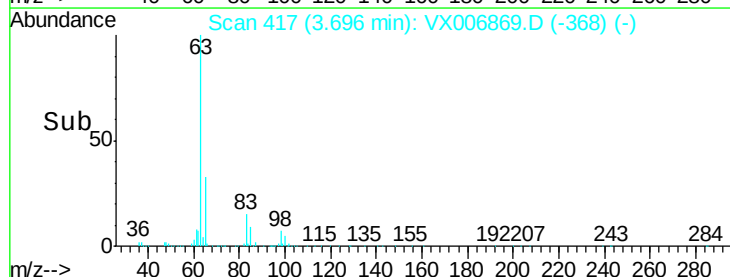
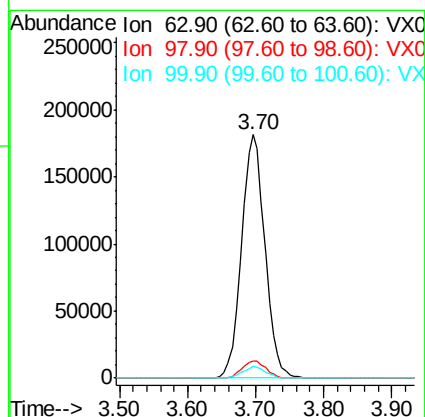
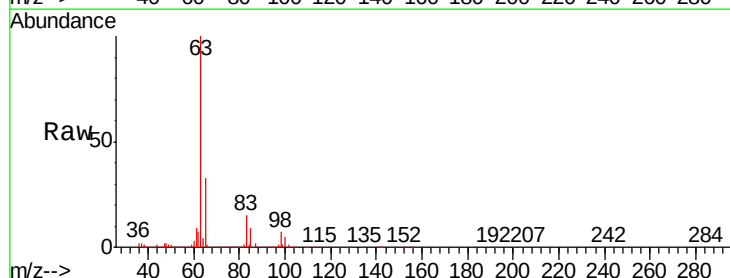
Tgt Ion: 63 Resp: 430742

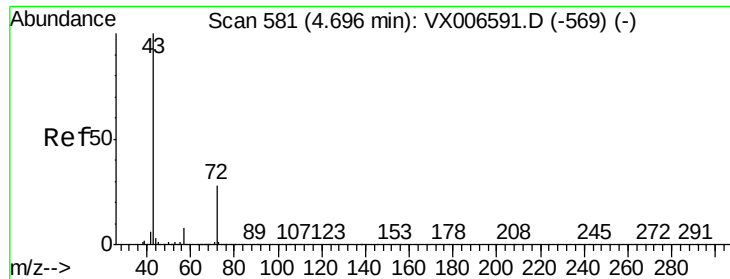
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 230.348 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

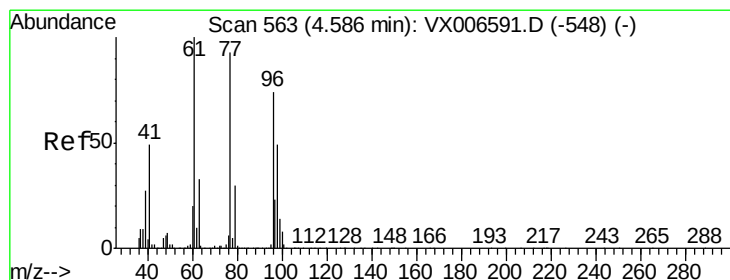
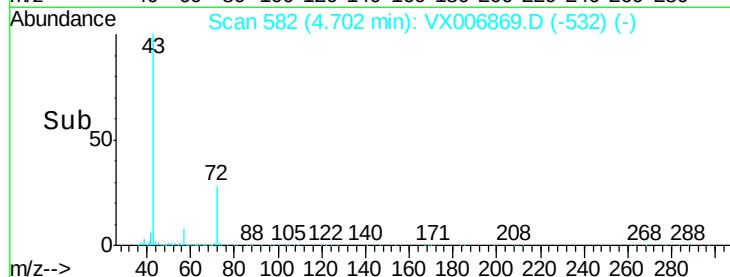
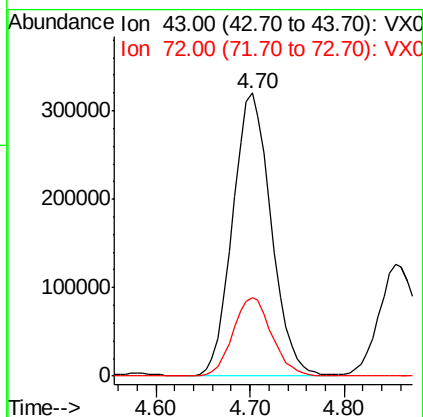
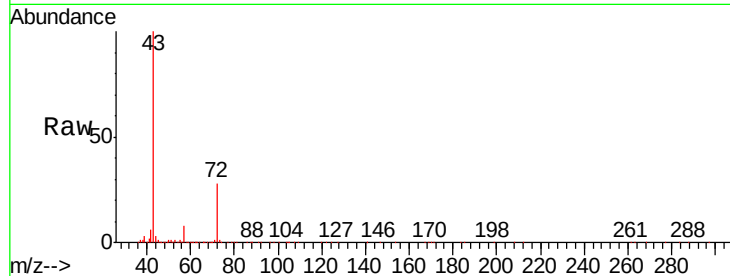
VSTDCCC050EC

Tgt Ion: 43 Resp: 913137

Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 40.266 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006869.D

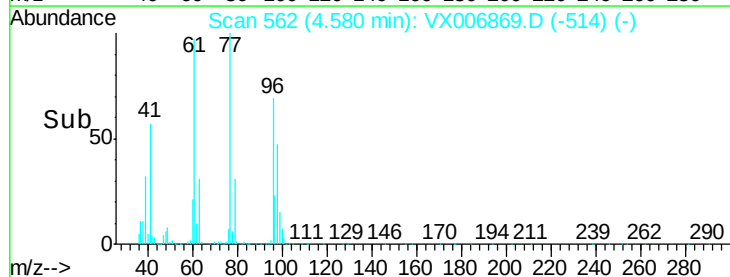
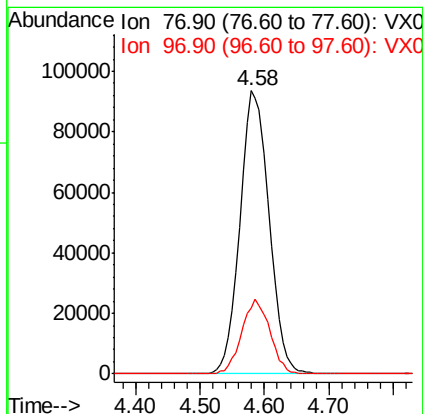
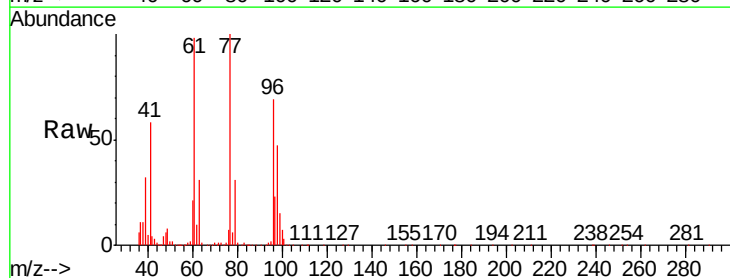
Acq: 28 Dec 2018 18:46

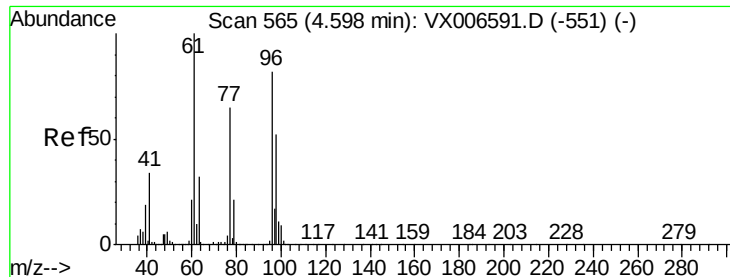
Tgt Ion: 77 Resp: 290755

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4



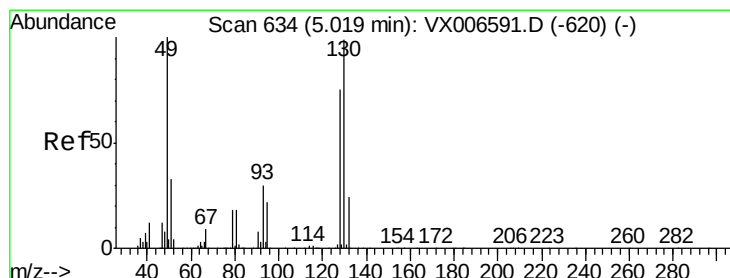
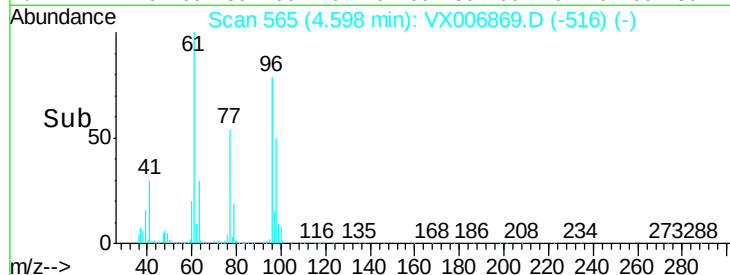
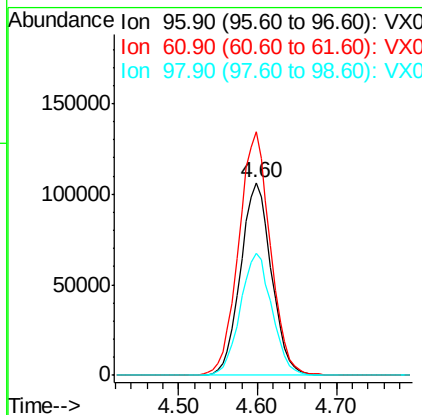
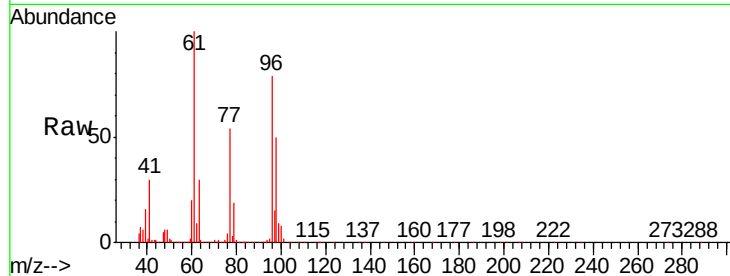


#27

cis-1,2-Dichloroethene
 Concen: 46.648 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

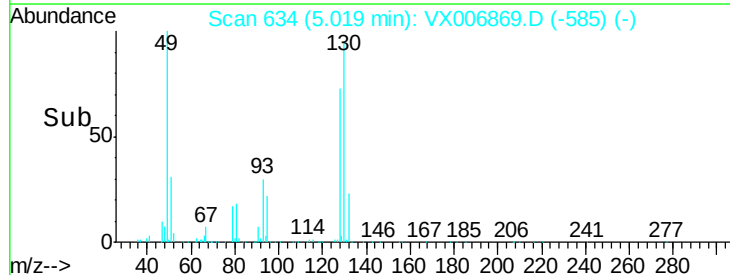
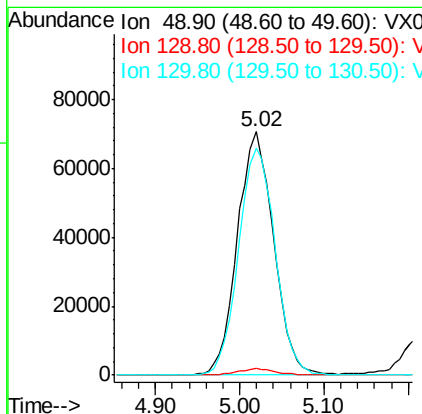
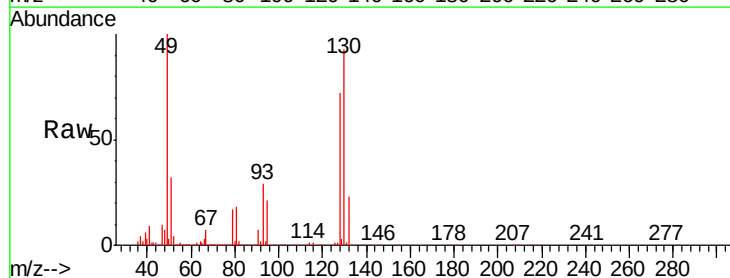
Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	258.6
98	64.6	0.0	132.0

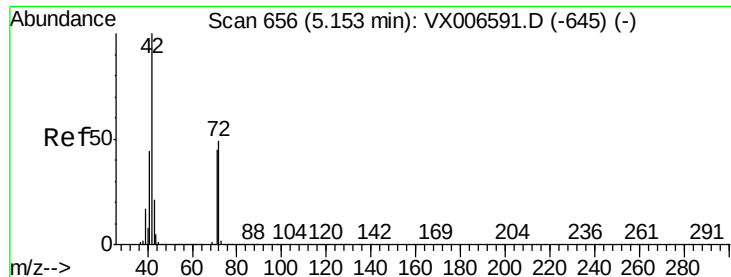


#28

Bromochloromethane
 Concen: 52.104 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	94.6	77.7	116.5





#29

Tetrahydrofuran

Concen: 237.934 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

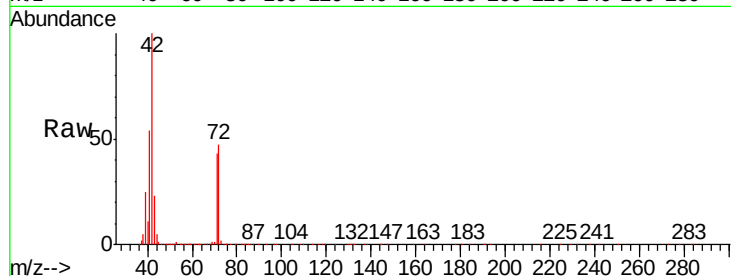
Tgt Ion: 42 Resp: 621226

Ion Ratio Lower Upper

42 100

72 47.3 38.9 58.3

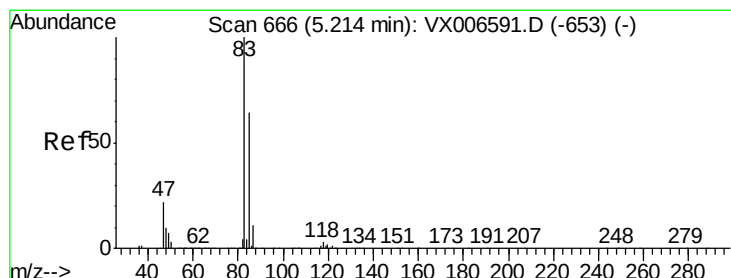
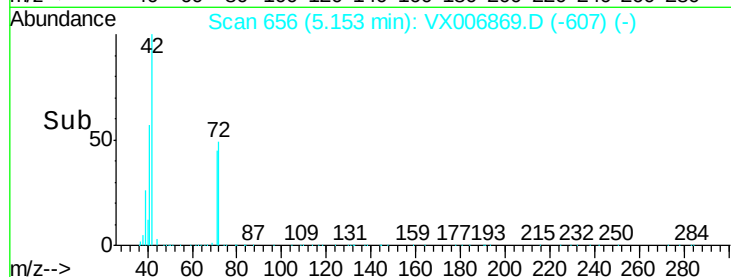
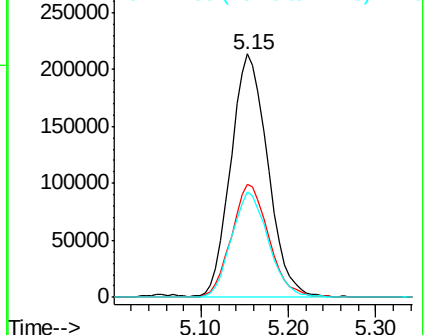
71 43.7 36.2 54.4



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: 46.964 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006869.D

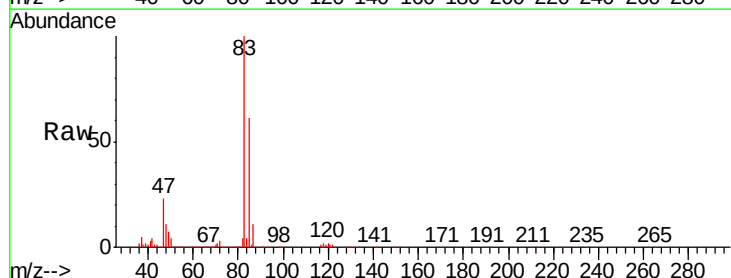
Acq: 28 Dec 2018 18:46

Tgt Ion: 83 Resp: 454621

Ion Ratio Lower Upper

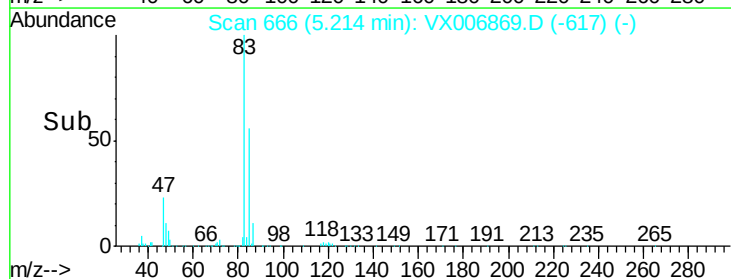
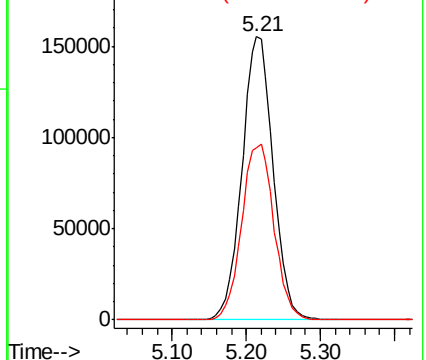
83 100

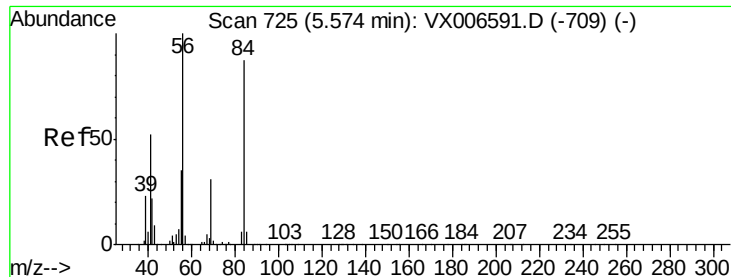
85 60.9 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

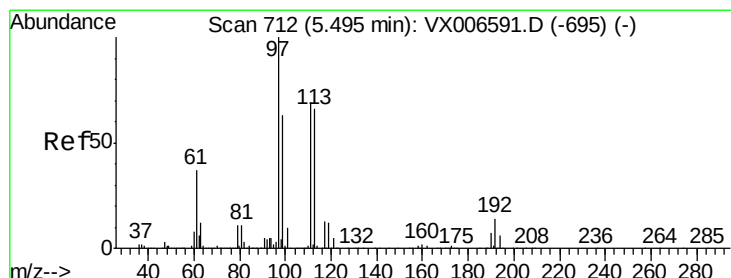
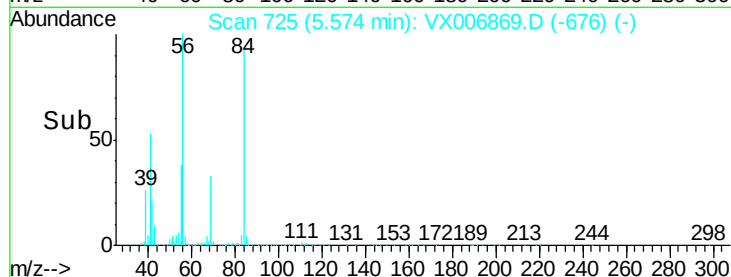
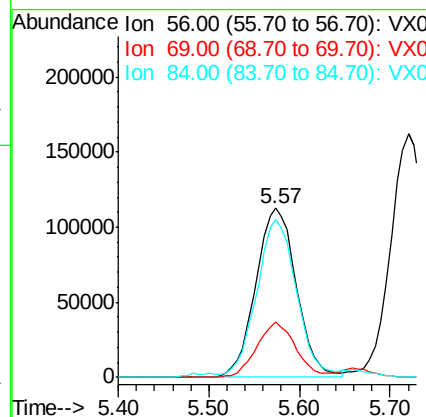
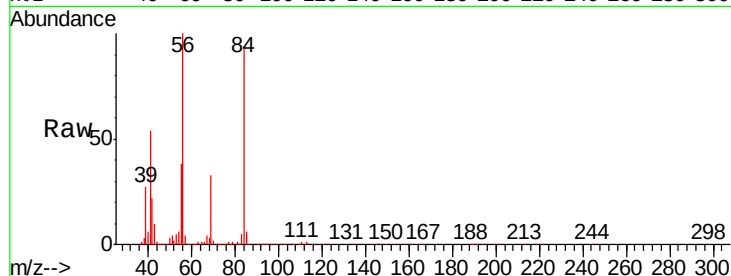




#31
Cyclohexane
Concen: 41.039 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

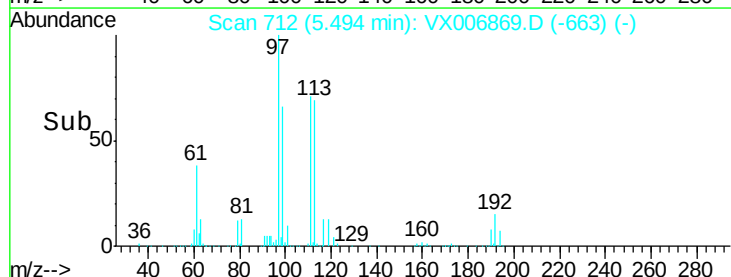
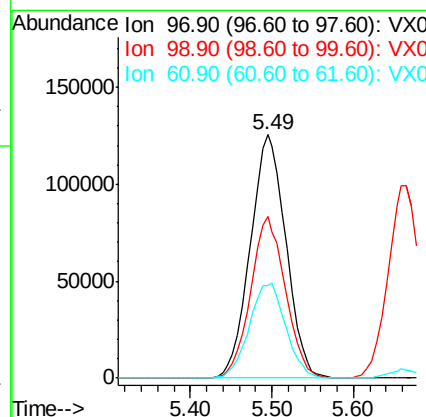
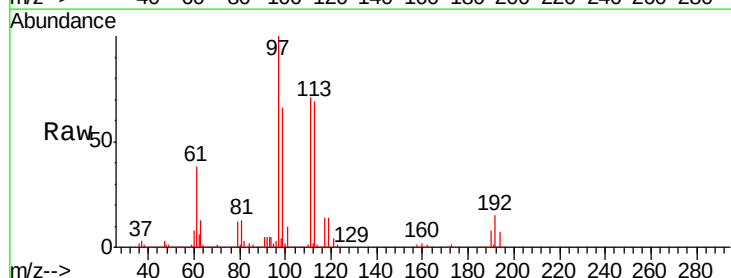
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

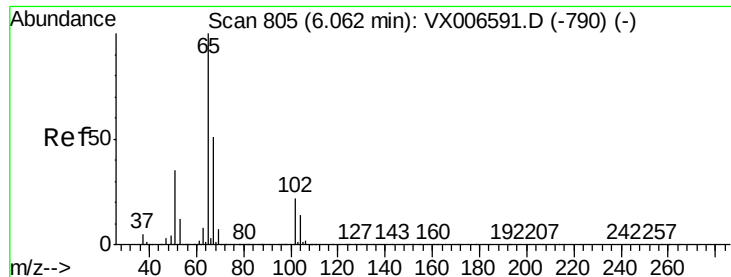
Tgt Ion: 56 Resp: 348517
Ion Ratio Lower Upper
56 100
69 32.5 24.4 36.6
84 91.4 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 46.587 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion: 97 Resp: 380793
Ion Ratio Lower Upper
97 100
99 65.1 51.7 77.5
61 40.2 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 47.854 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

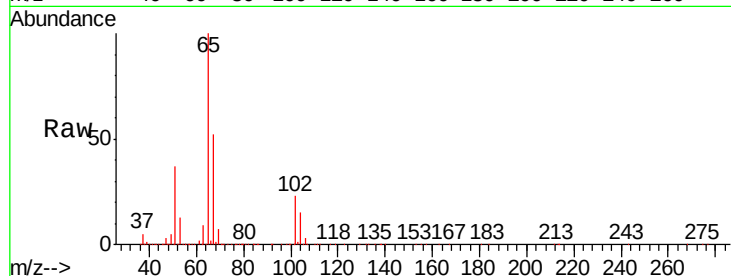
VSTDCCC050EC

Tgt Ion: 65 Resp: 293542

Ion Ratio Lower Upper

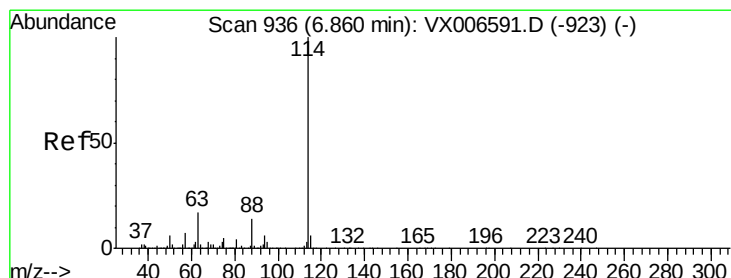
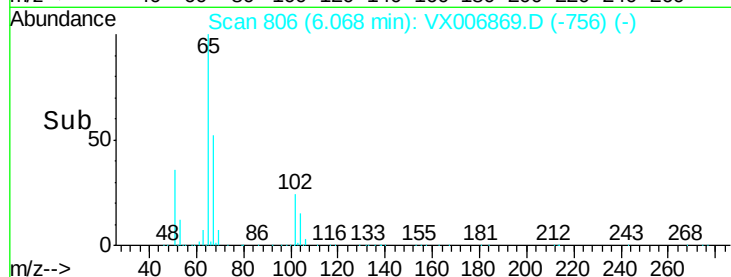
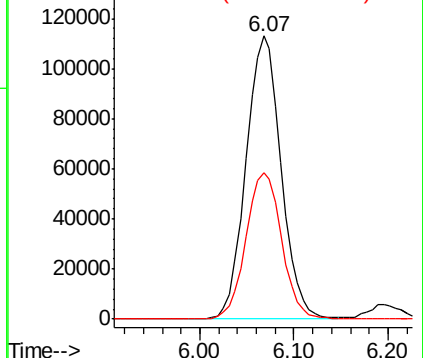
65 100

67 52.4 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

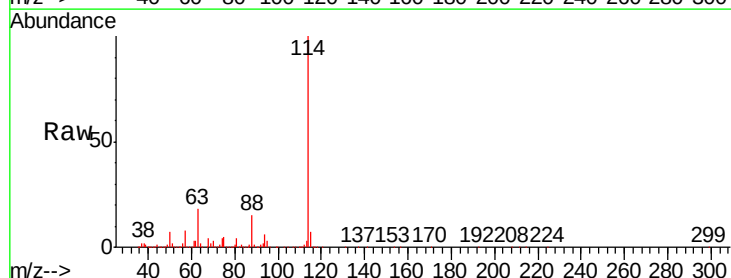
Tgt Ion: 114 Resp: 842477

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

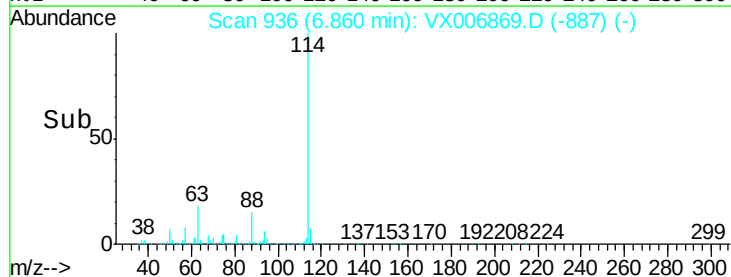
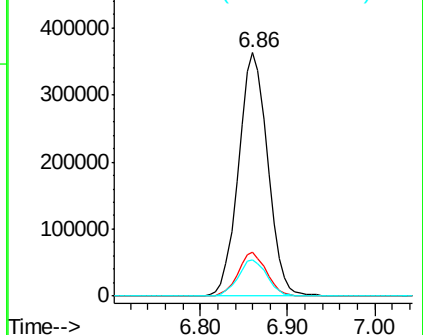
88 14.7 0.0 28.8

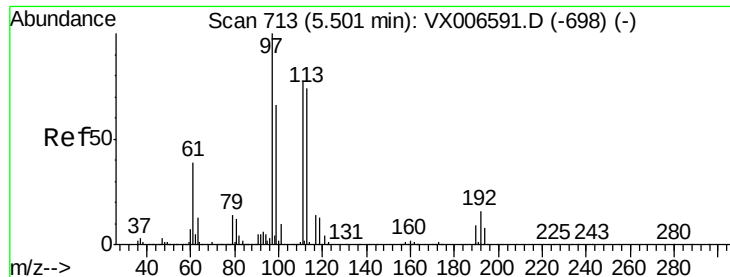


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.603 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

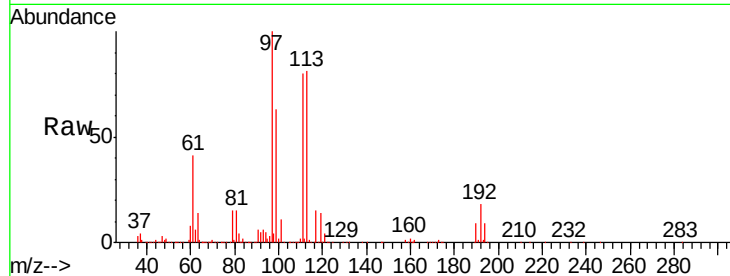
Tgt Ion:113 Resp: 269595

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

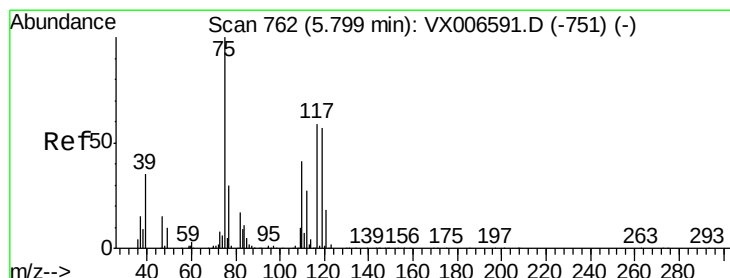
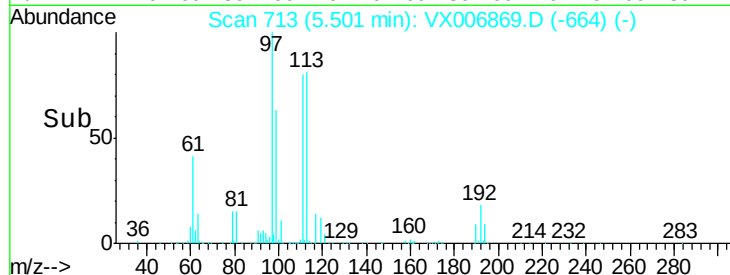
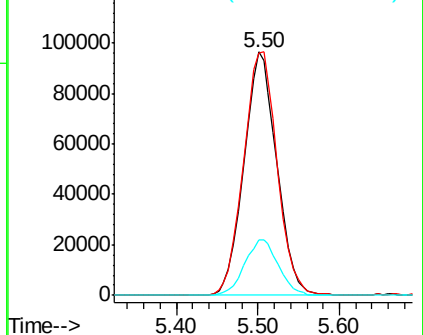
192 23.5 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.520 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

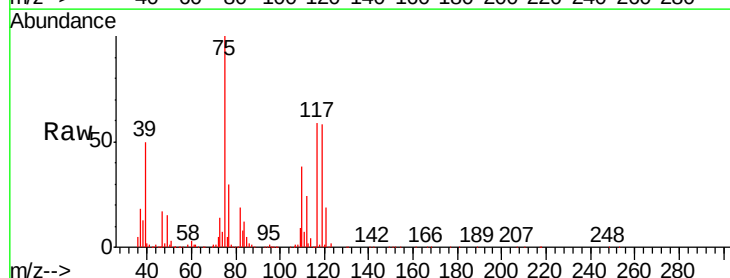
Tgt Ion: 75 Resp: 317624

Ion Ratio Lower Upper

75 100

110 39.4 20.2 60.5

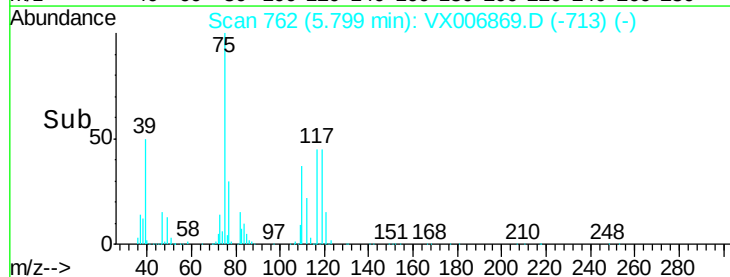
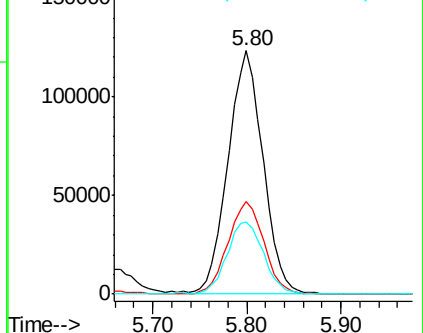
77 31.2 24.8 37.2

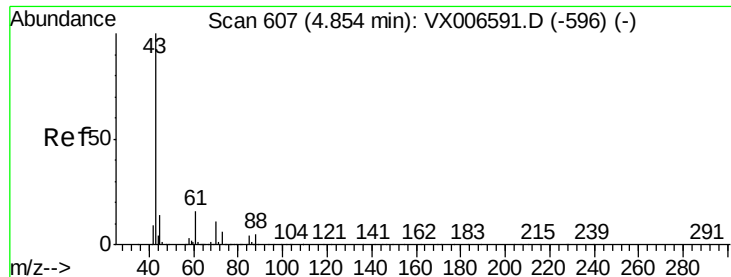


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

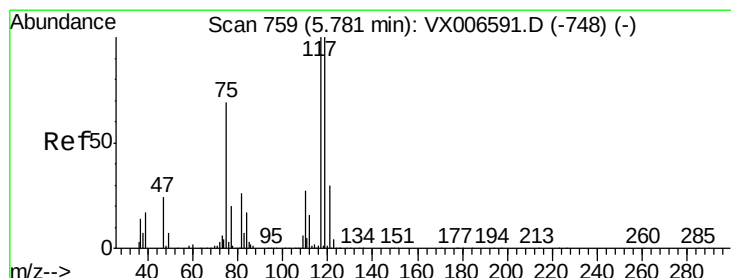
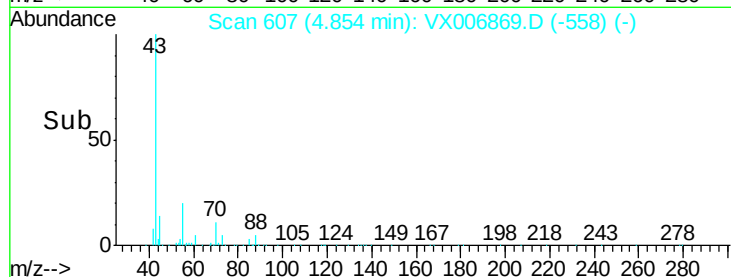
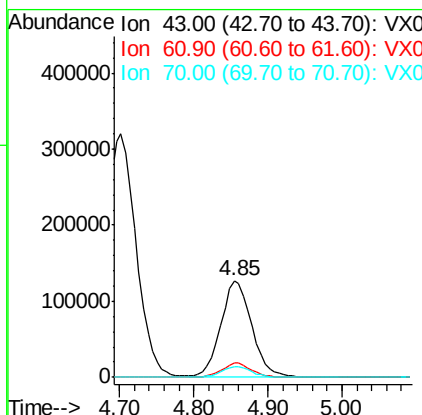
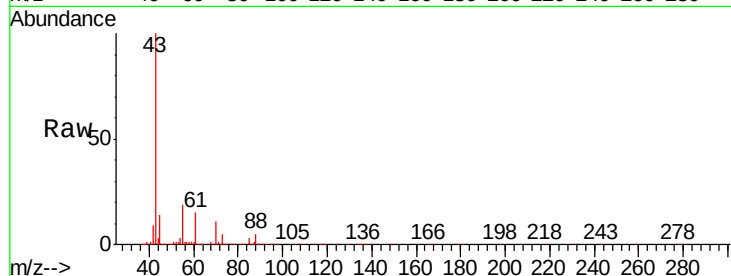




#37
 Ethyl Acetate
 Concen: 50.297 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

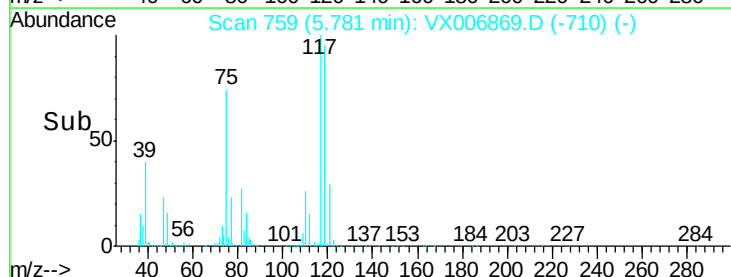
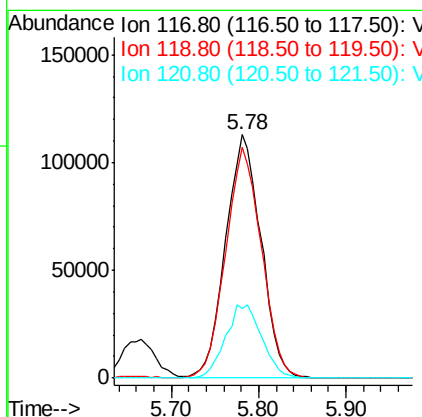
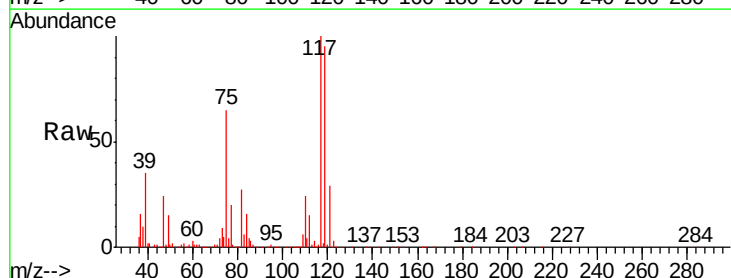
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

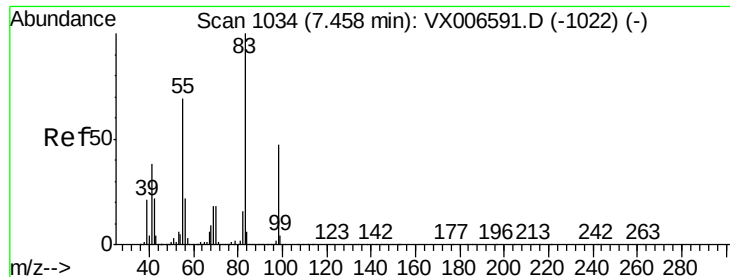
Tgt Ion: 43 Resp: 365277
 Ion Ratio Lower Upper
 43 100
 61 14.2 11.9 17.9
 70 11.0 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 46.752 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion: 117 Resp: 317037
 Ion Ratio Lower Upper
 117 100
 119 94.6 79.4 119.2
 121 28.6 24.0 36.0

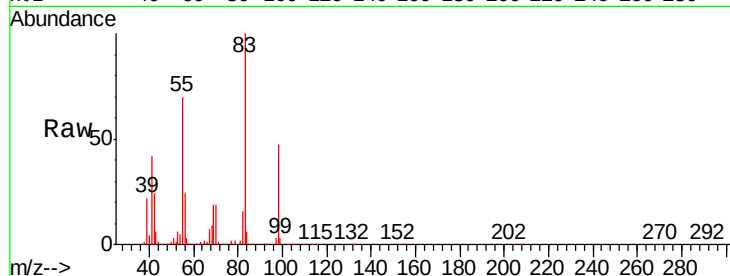




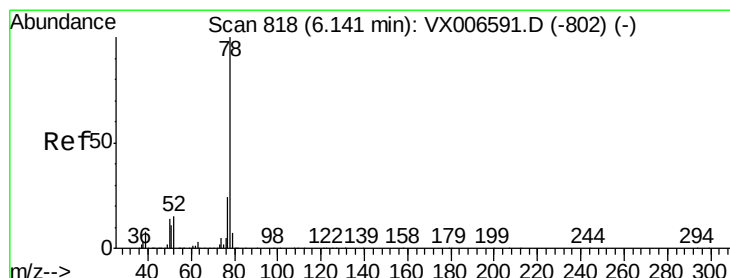
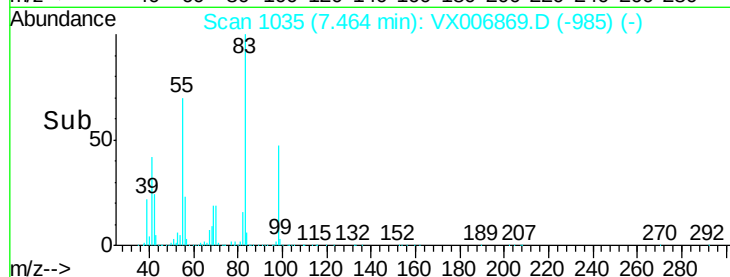
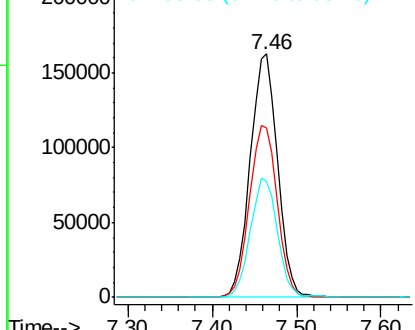
#39
Methylcyclohexane
Concen: 39.017 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.5	54.9	82.3
98	47.3	37.9	56.9

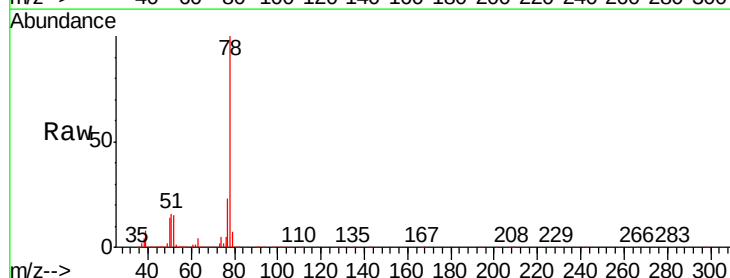


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

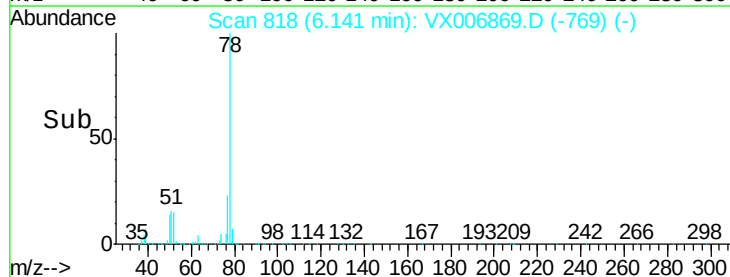
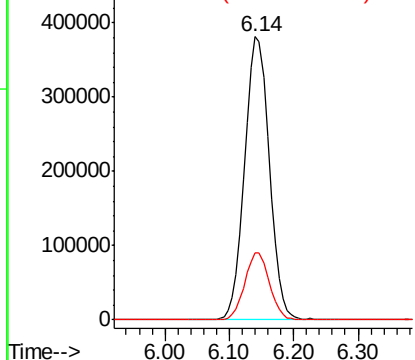


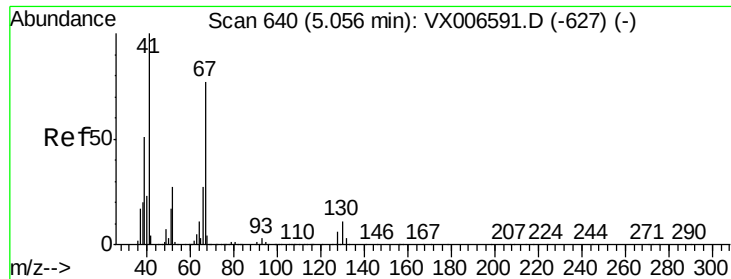
#40
Benzene
Concen: 47.153 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

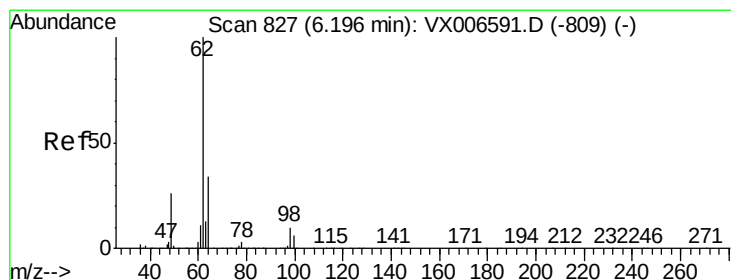
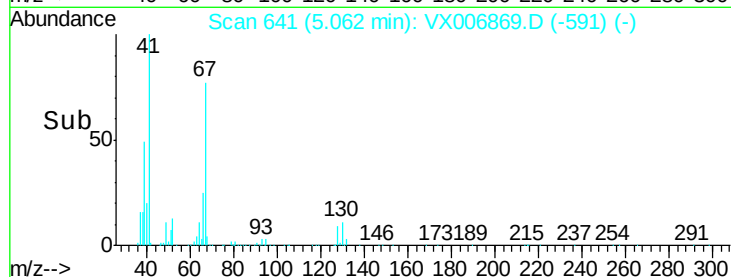
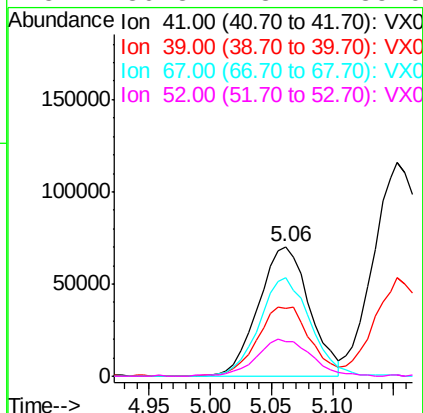
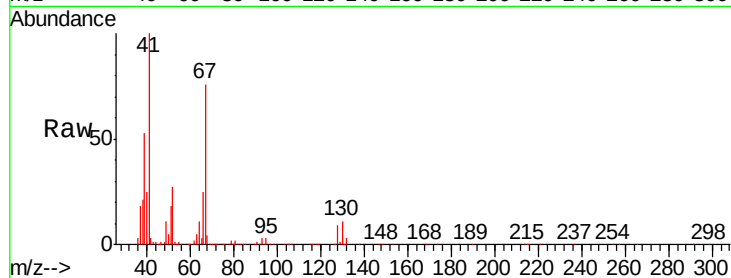




#41
Methacrylonitrile
Concen: 52.735 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

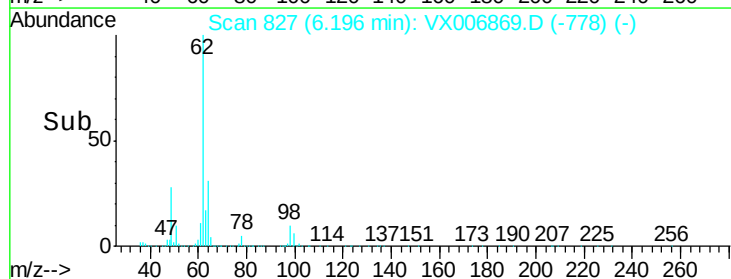
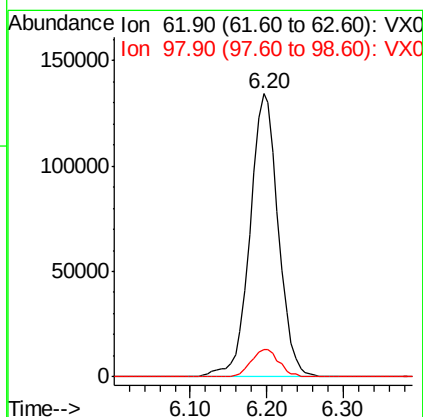
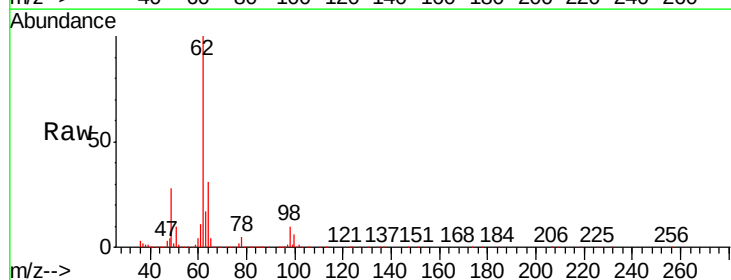
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

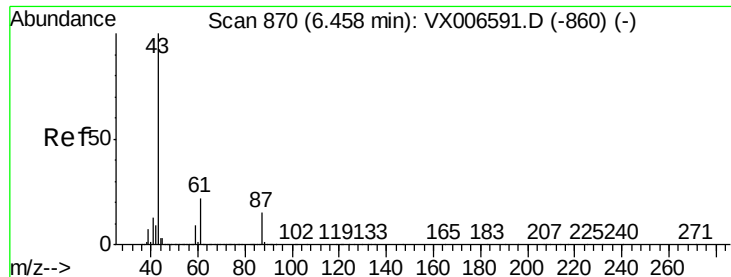
Tgt Ion:	41	Resp:	203336
Ion	Ratio	Lower	Upper
41	100		
39	54.7	42.8	64.2
67	77.1	62.1	93.1
52	30.3	23.4	35.0



#42
1,2-Dichloroethane
Concen: 47.736 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion:	62	Resp:	345005
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 53.116 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

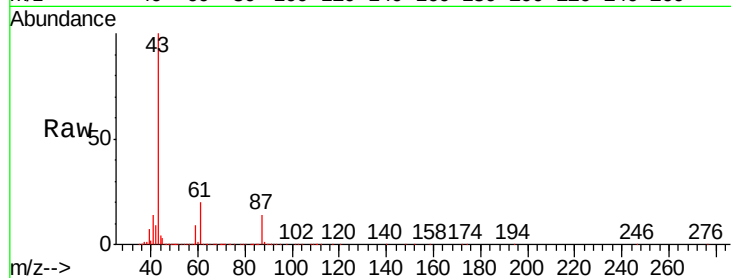
Tgt Ion: 43 Resp: 586940

Ion Ratio Lower Upper

43 100

61 20.5 16.8 25.2

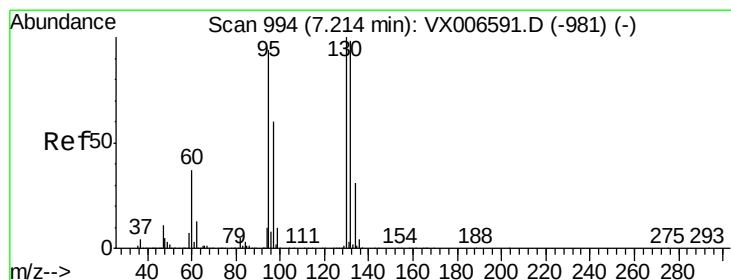
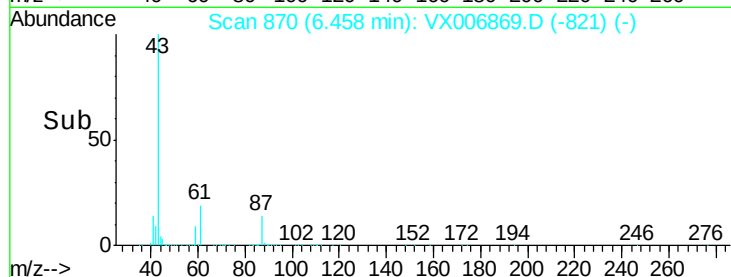
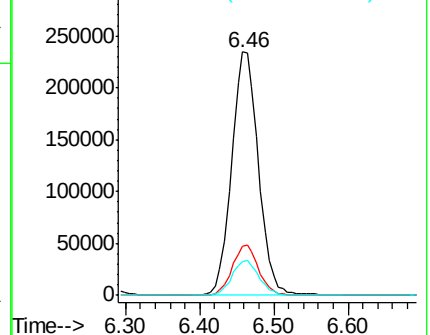
87 14.6 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX006869.D (-821) (-)

Ion 61.00 (60.70 to 61.70): VX006869.D (-821) (-)

Ion 87.00 (86.70 to 87.70): VX006869.D (-821) (-)



#44

Trichloroethene

Concen: 45.696 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006869.D

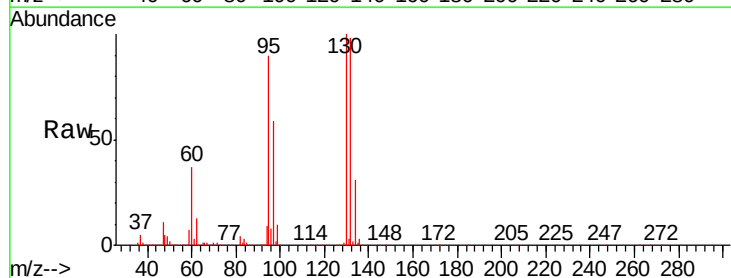
Acq: 28 Dec 2018 18:46

Tgt Ion: 130 Resp: 293345

Ion Ratio Lower Upper

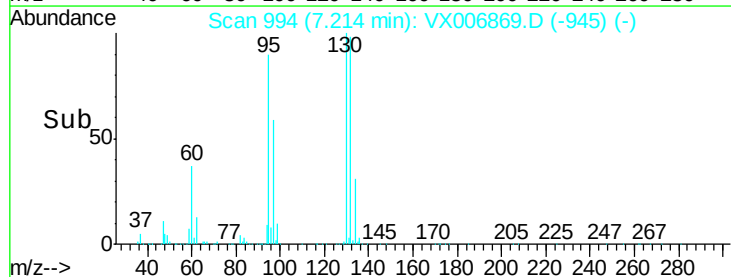
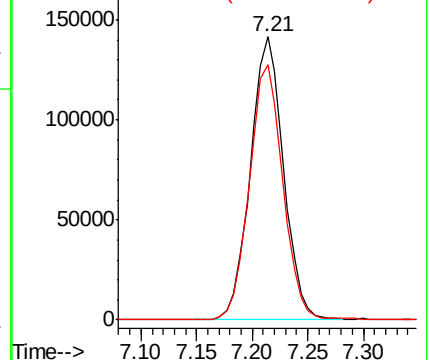
130 100

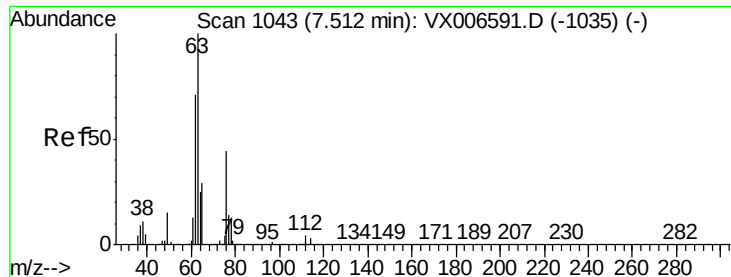
95 90.2 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): VX006869.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX006869.D (-945) (-)

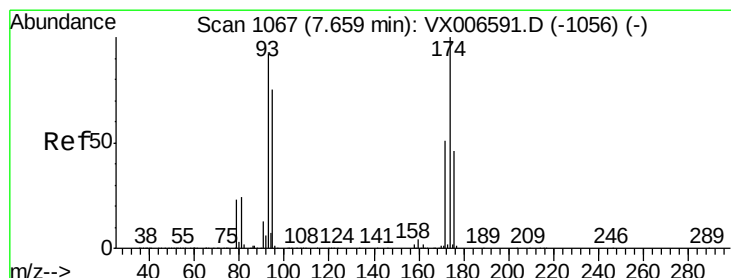
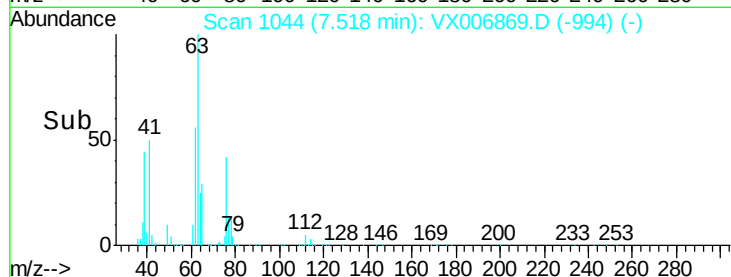
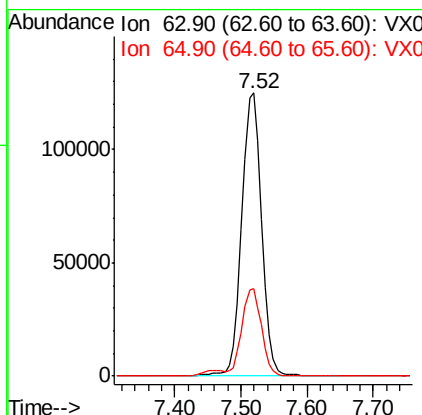
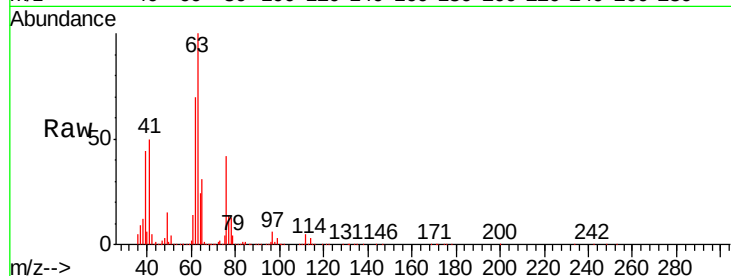




#45
 1,2-Dichloropropane
 Concen: 50.678 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

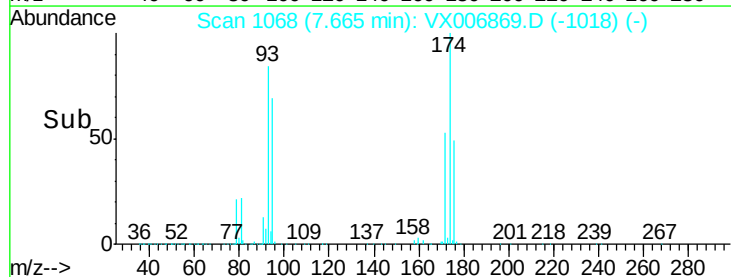
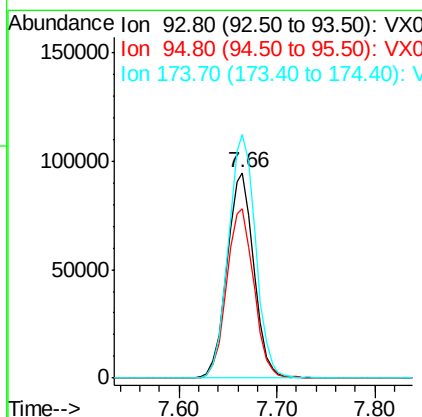
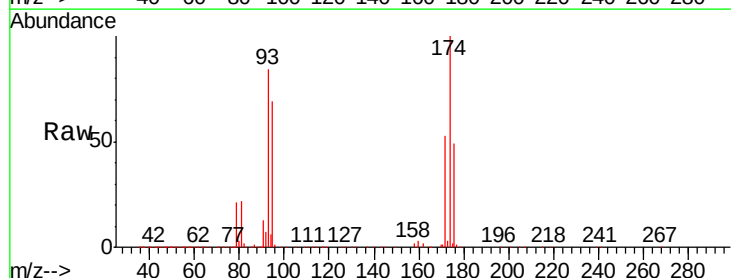
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

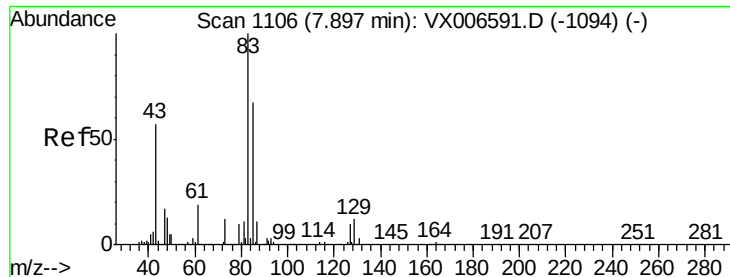
Tgt Ion: 63 Resp: 261566
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 47.270 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion: 93 Resp: 179459
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.4
 174 120.7 91.0 136.4





#47

Bromodichloromethane

Concen: 49.088 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

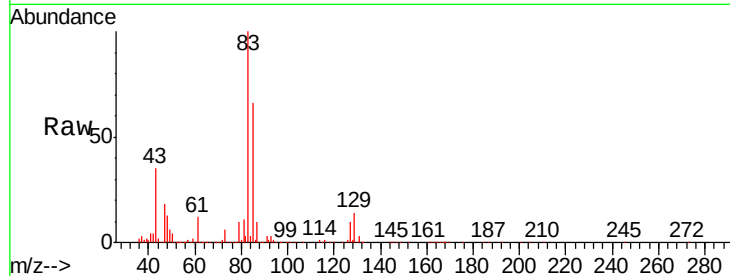
Tgt Ion: 83 Resp: 309401

Ion Ratio Lower Upper

83 100

85 65.5 53.2 79.8

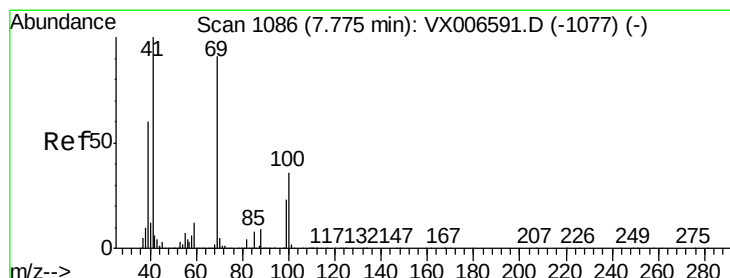
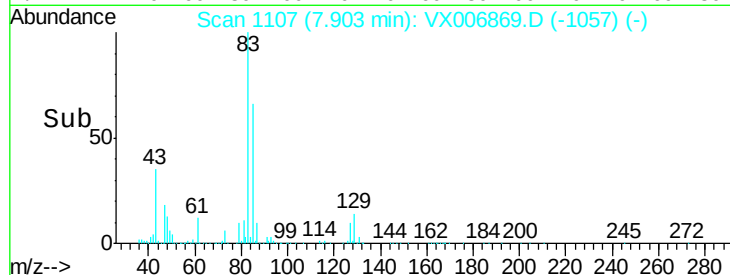
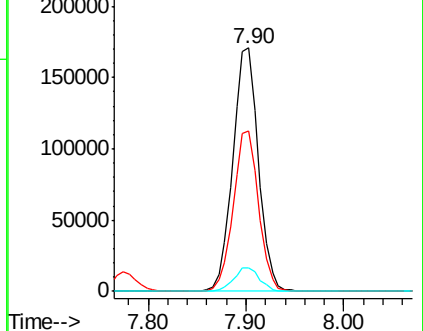
127 9.7 7.8 11.6



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: 53.300 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

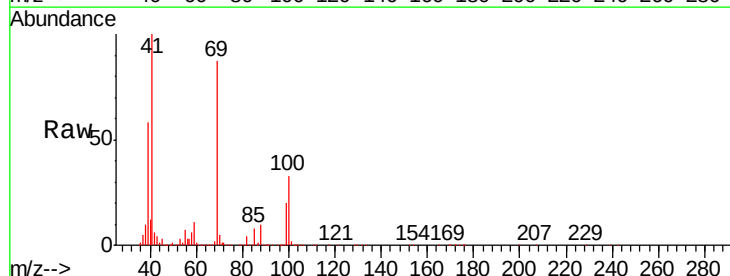
Tgt Ion: 41 Resp: 299508

Ion Ratio Lower Upper

41 100

69 87.4 72.4 108.6

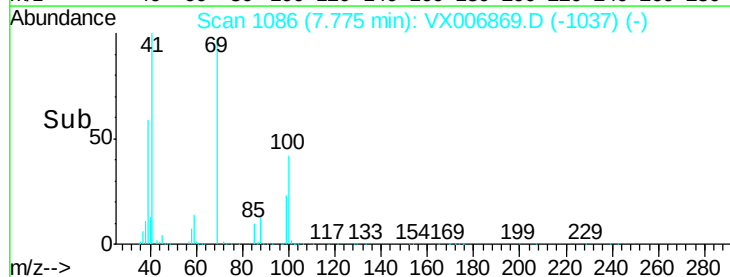
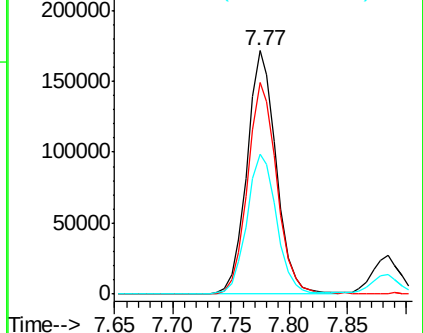
39 58.4 45.8 68.8

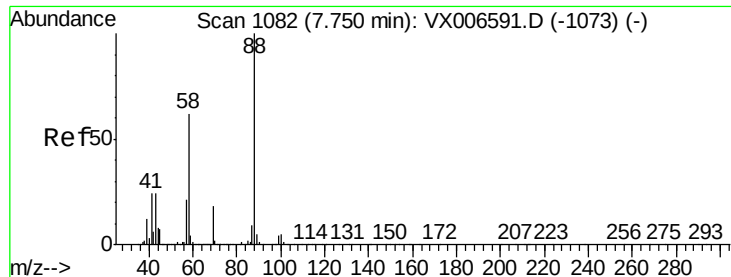


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 803.428 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

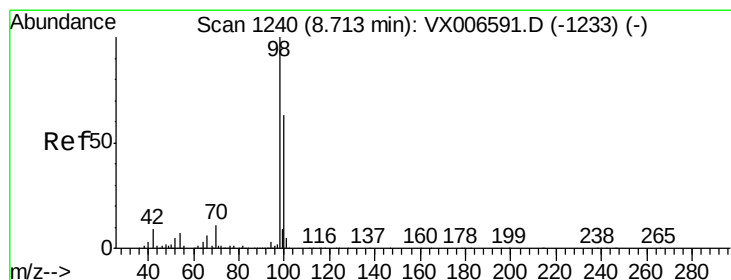
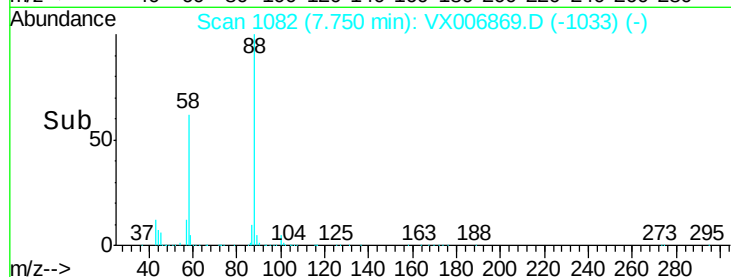
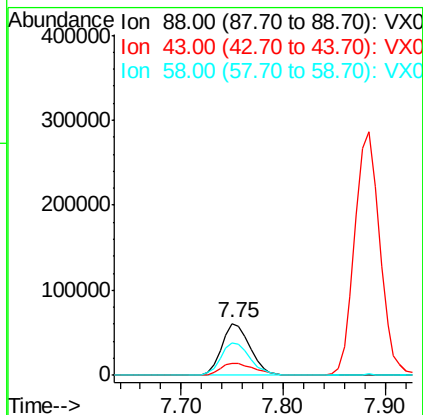
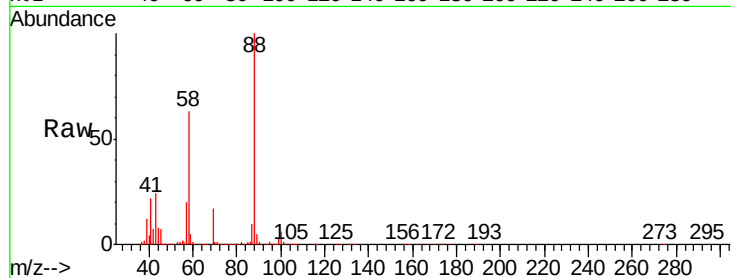
Tgt Ion: 88 Resp: 118700

Ion Ratio Lower Upper

88 100

43 29.0 22.2 33.4

58 64.5 51.0 76.4



#50

Toluene-d8

Concen: 48.940 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006869.D

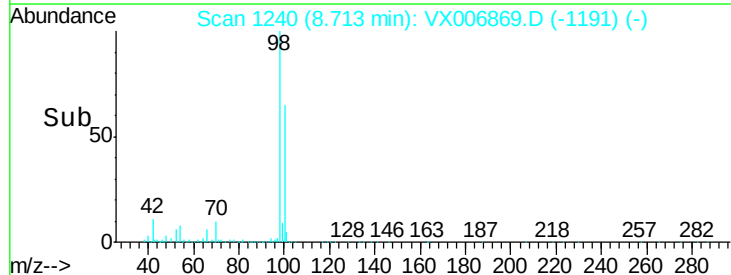
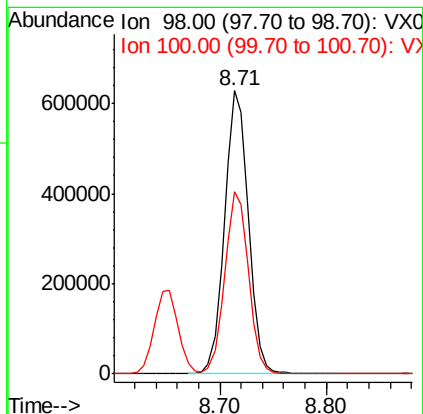
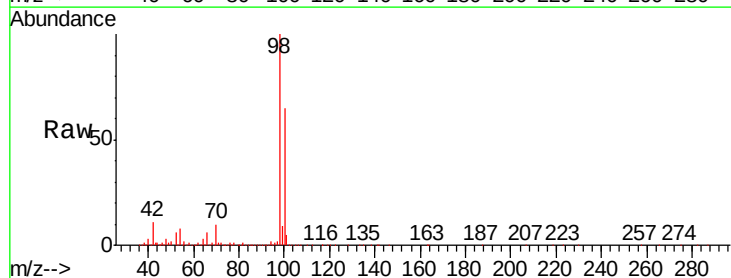
Acq: 28 Dec 2018 18:46

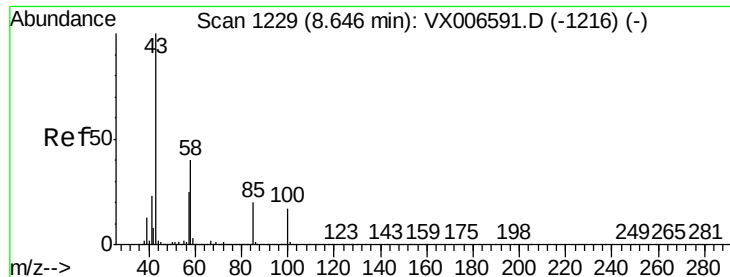
Tgt Ion: 98 Resp: 982990

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 258.639 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

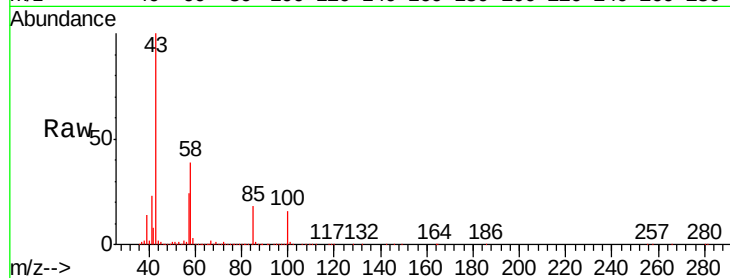
VSTDCCC050EC

Tgt Ion: 43 Resp: 1818461

Ion Ratio Lower Upper

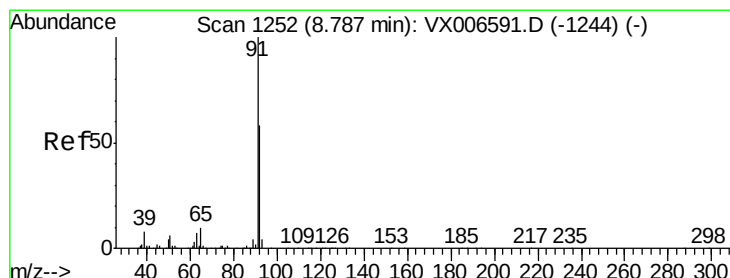
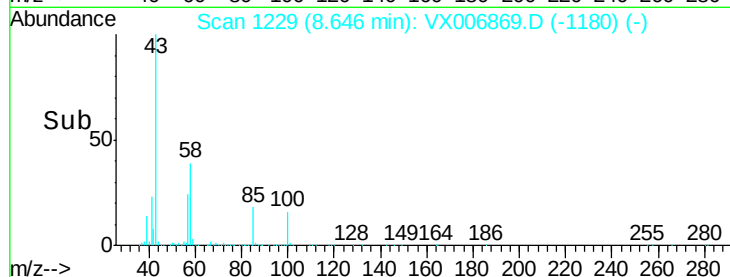
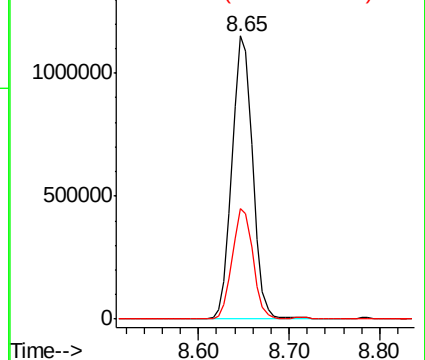
43 100

58 39.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.829 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006869.D

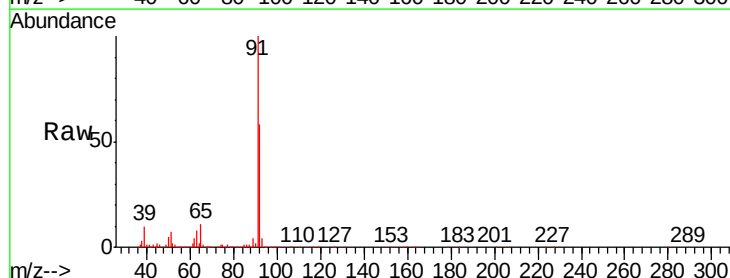
Acq: 28 Dec 2018 18:46

Tgt Ion: 92 Resp: 641666

Ion Ratio Lower Upper

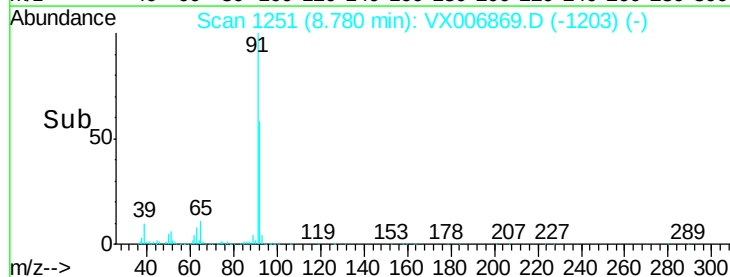
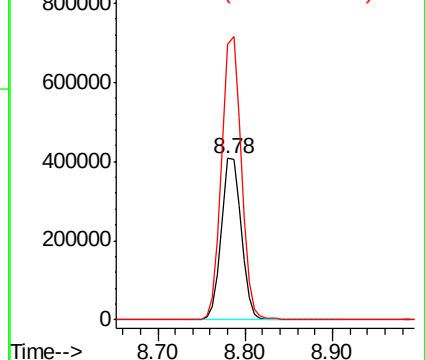
92 100

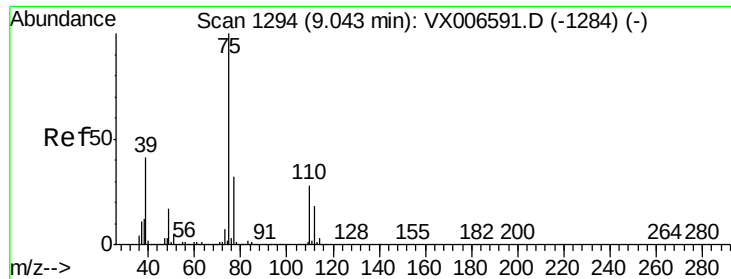
91 174.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

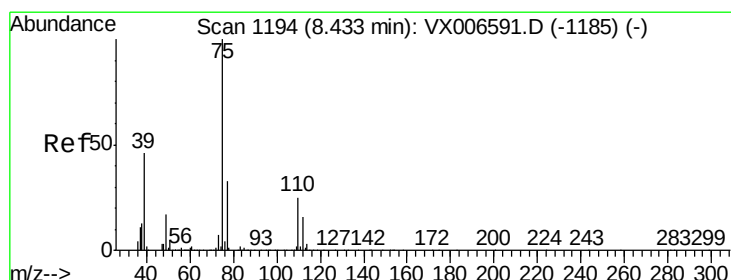
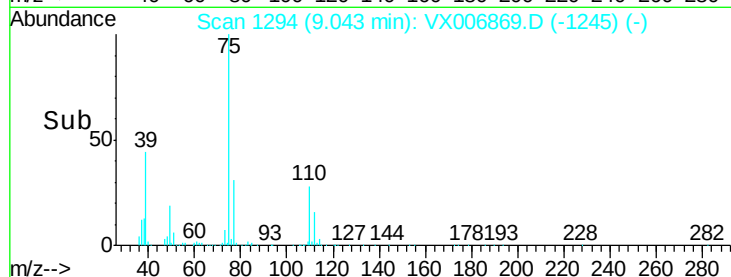
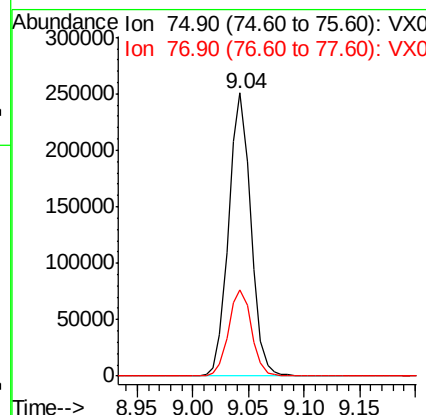
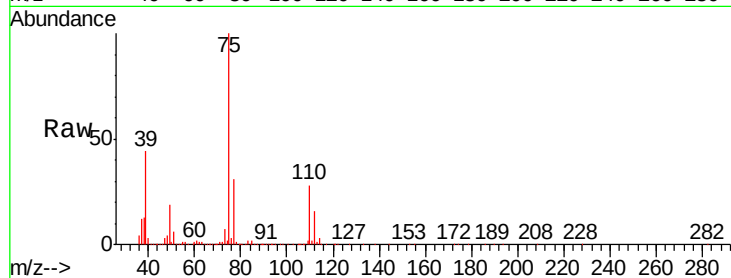




#53
t-1,3-Dichloropropene
Concen: 51.359 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

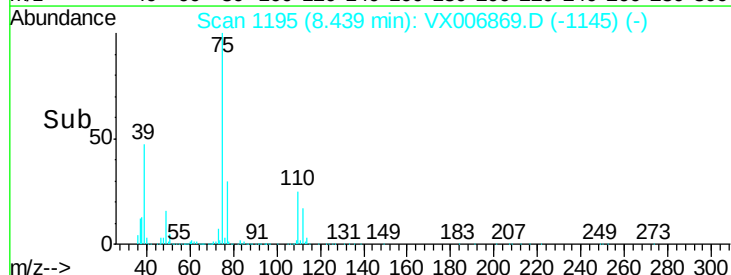
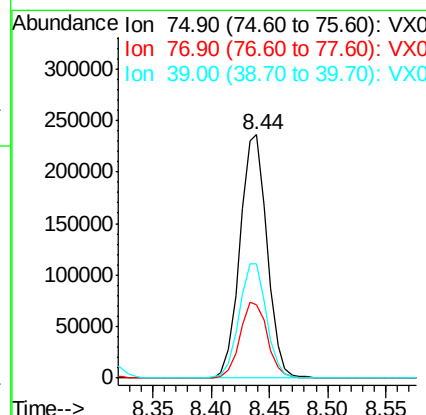
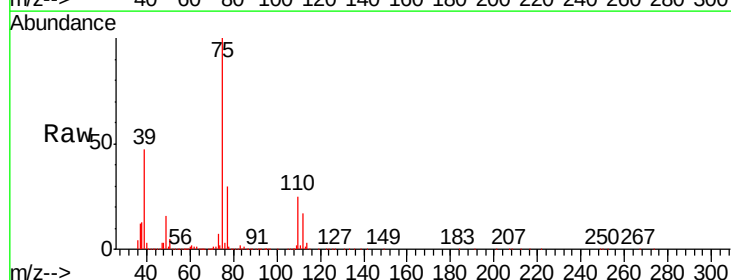
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

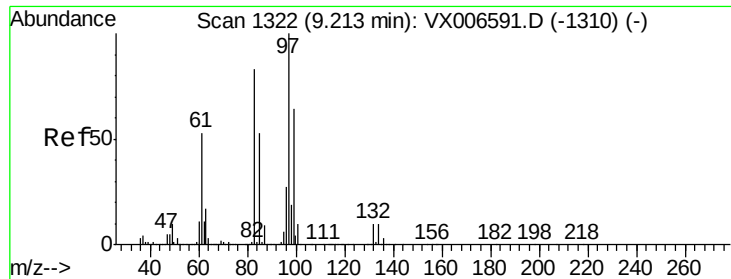
Tgt Ion: 75 Resp: 347180
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 51.618 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion: 75 Resp: 382865
Ion Ratio Lower Upper
75 100
77 30.0 26.2 39.2
39 46.6 36.7 55.1

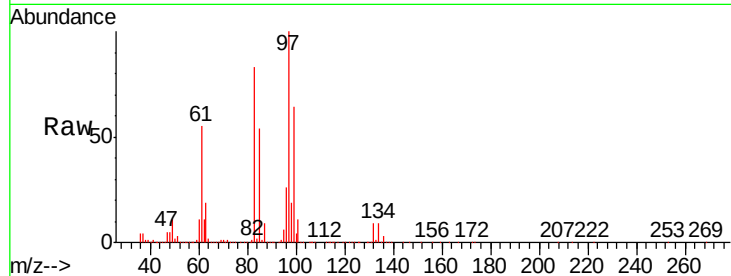




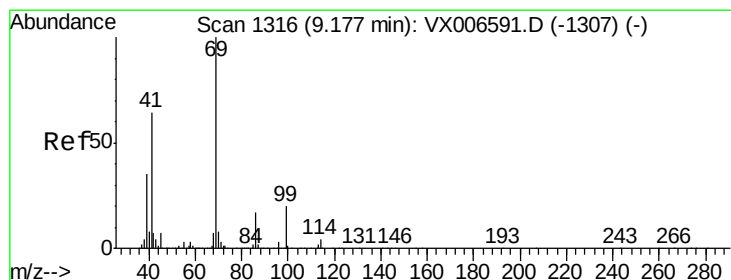
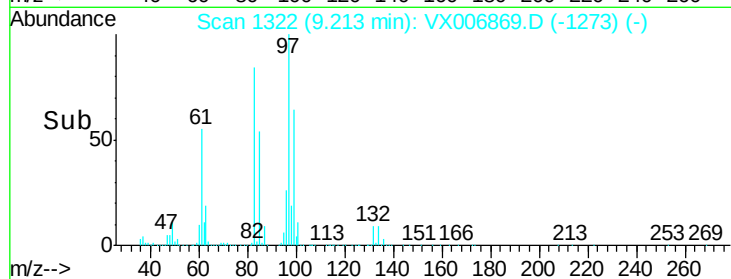
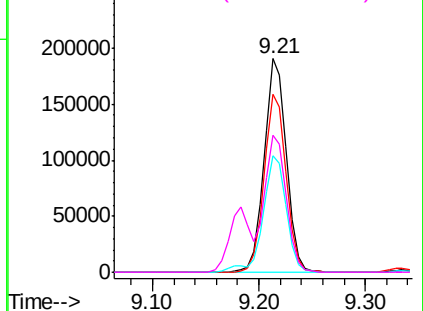
#55
 1,1,2-Trichloroethane
 Concen: 49.625 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	278328
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	99.8
85	54.3	42.7	64.1
99	64.1	50.8	76.2

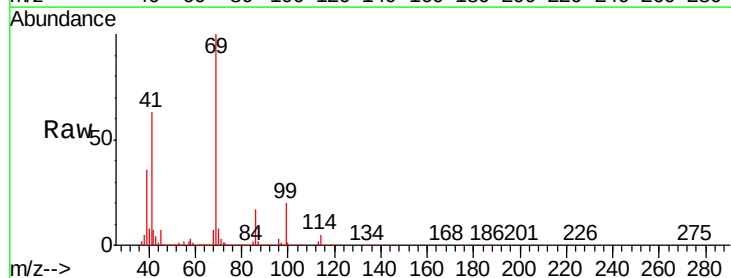


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

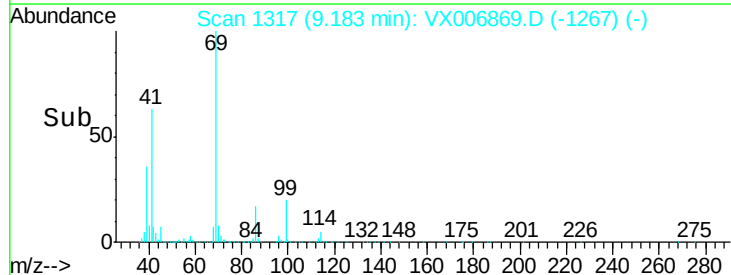
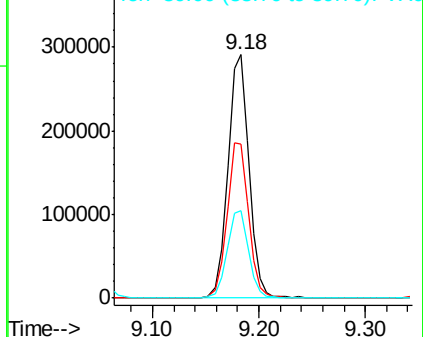


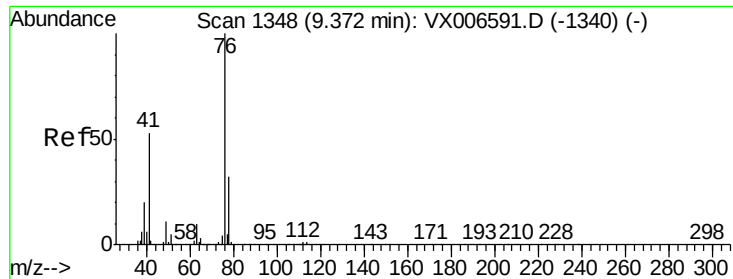
#56
 Ethyl methacrylate
 Concen: 51.140 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion:	69	Resp:	405393
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.7	73.1
39	36.6	27.0	40.6



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

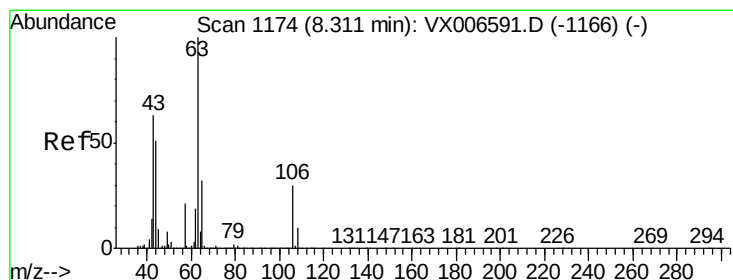
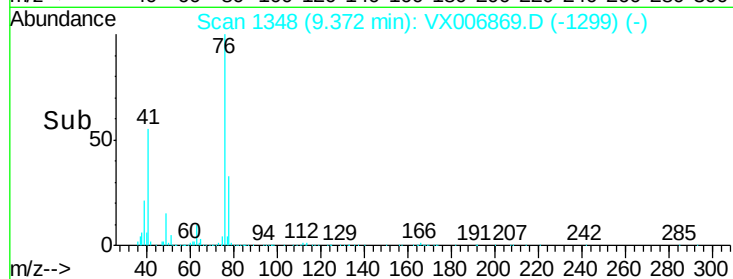
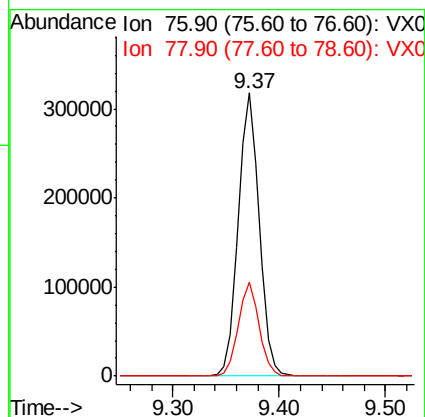
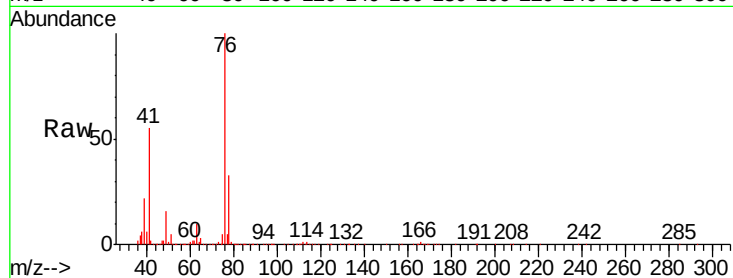




#57
 1,3-Dichloropropane
 Concen: 48.872 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

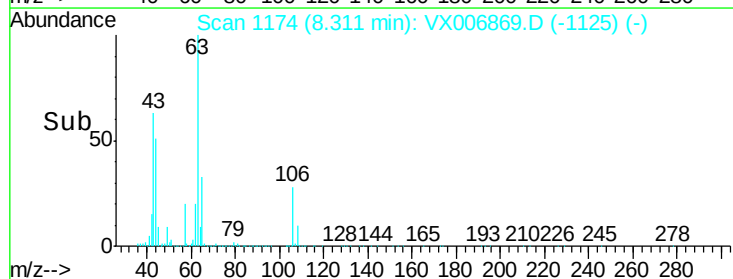
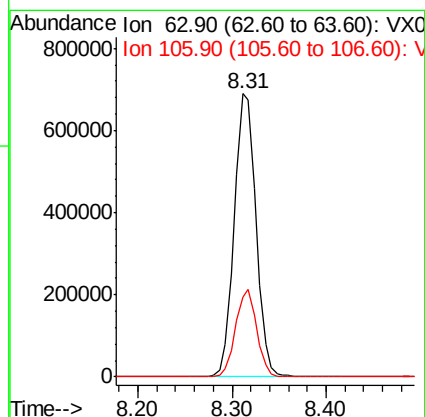
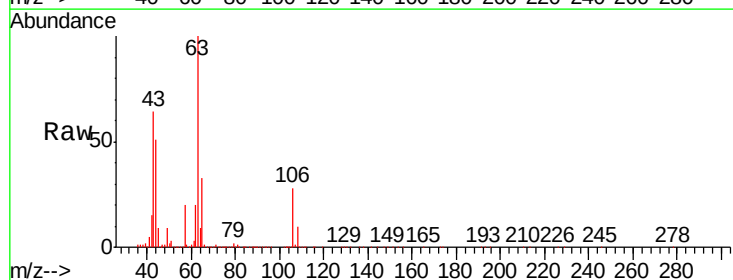
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

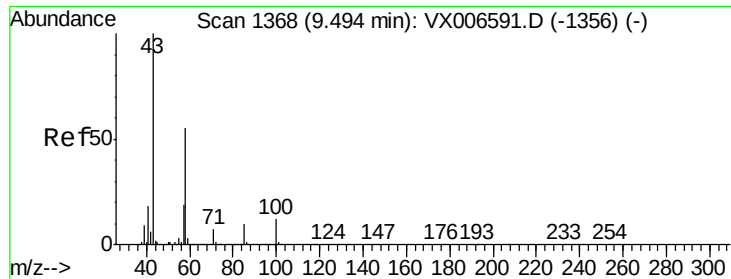
Tgt Ion: 76 Resp: 441004
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.658 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion: 63 Resp: 1102569
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.6 36.8

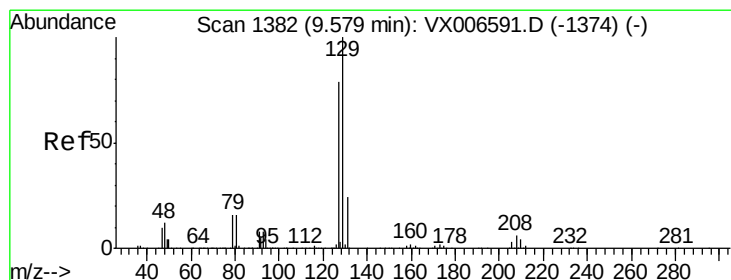
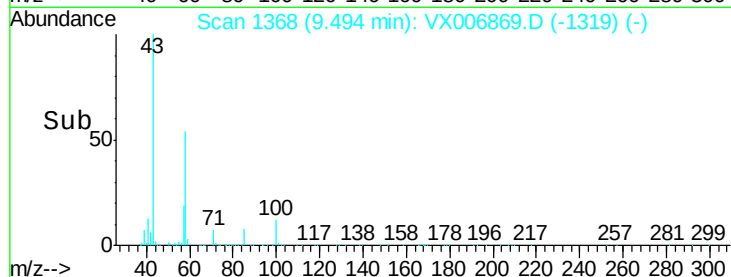
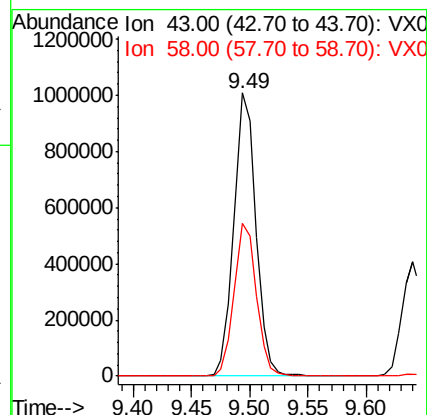
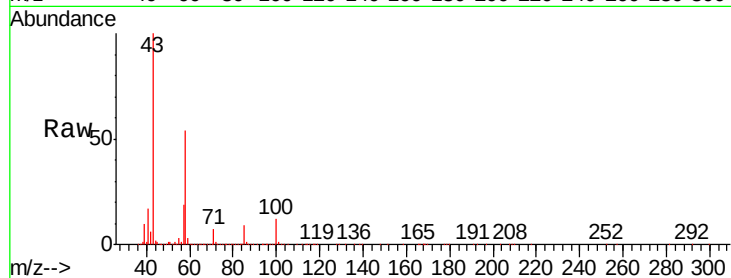




#59
2-Hexanone
Concen: 249.212 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

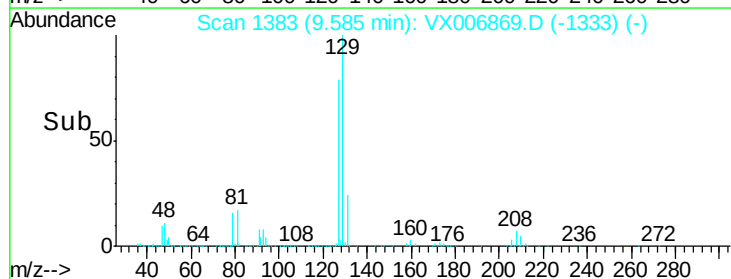
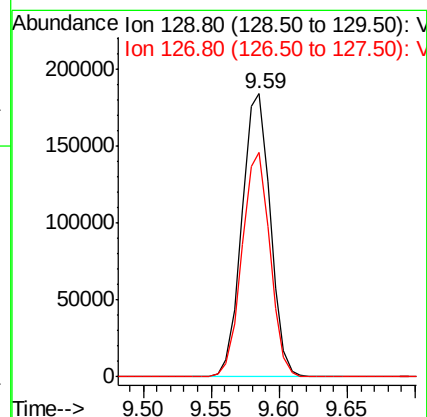
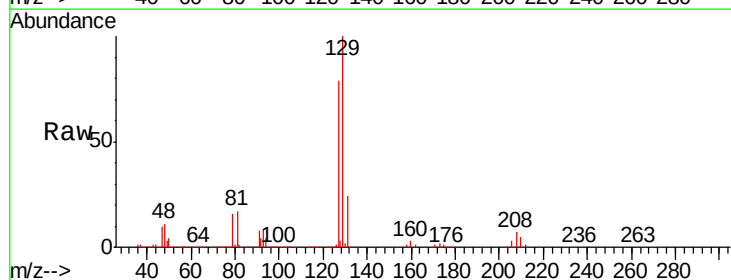
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

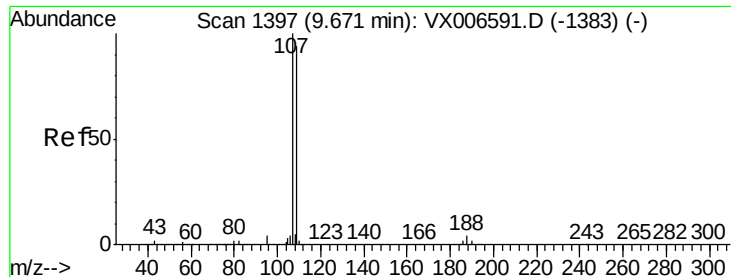
Tgt Ion: 43 Resp: 1340624
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1



#60
Dibromochloromethane
Concen: 45.969 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion: 129 Resp: 268502
Ion Ratio Lower Upper
129 100
127 78.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.739 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

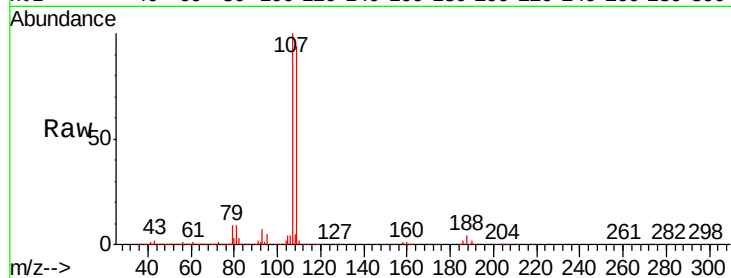
VSTDCCC050EC

Tgt Ion: 107 Resp: 296553

Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

150000

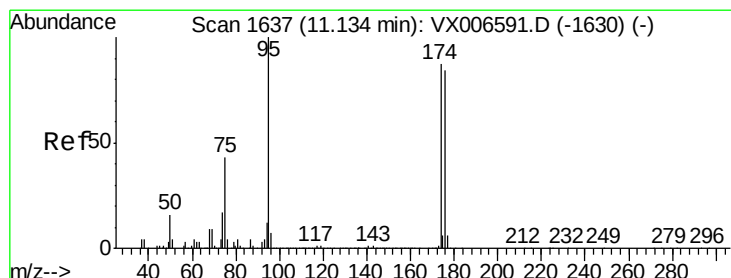
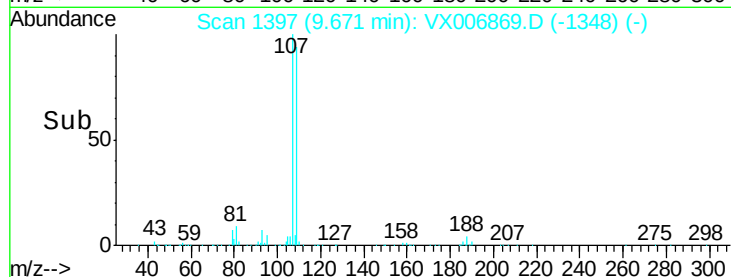
100000

50000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 47.174 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

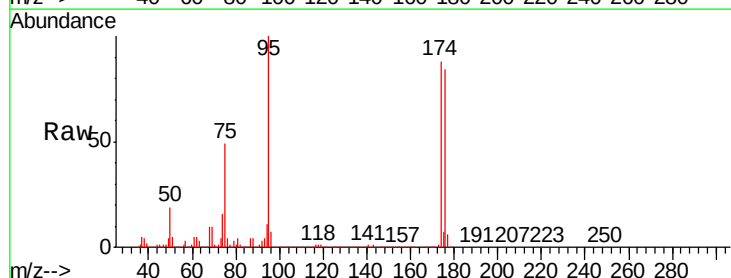
Tgt Ion: 95 Resp: 347015

Ion Ratio Lower Upper

95 100

174 95.3 0.0 182.2

176 91.7 0.0 178.8



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

11.13

300000

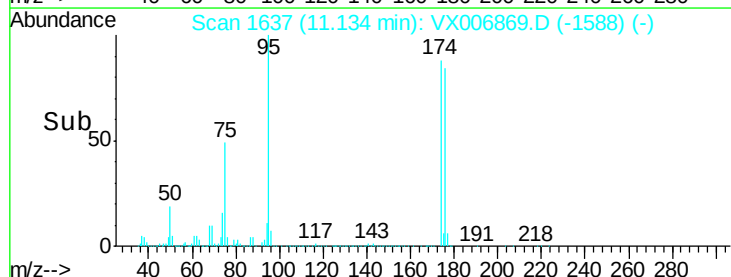
200000

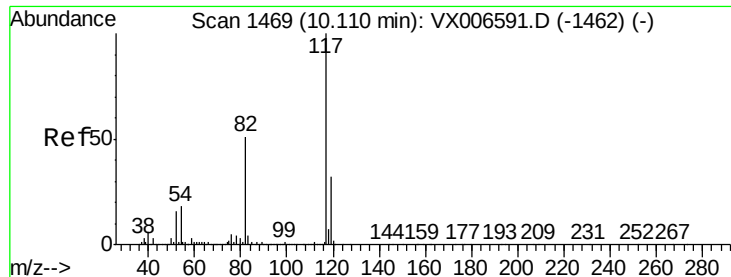
100000

0

Time-->

11.10 11.20

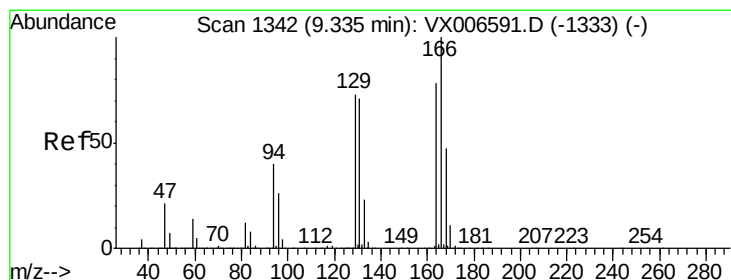
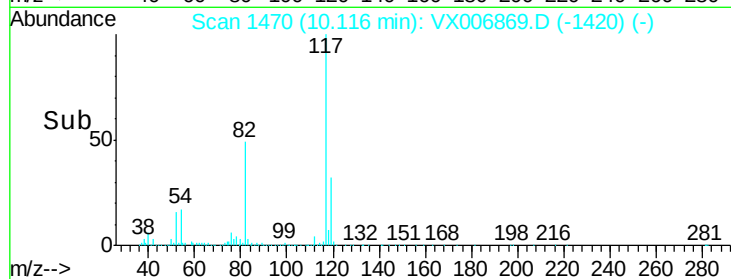
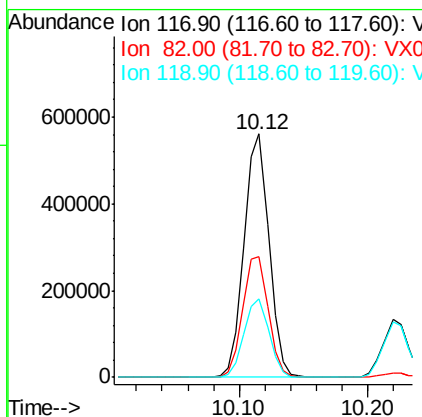
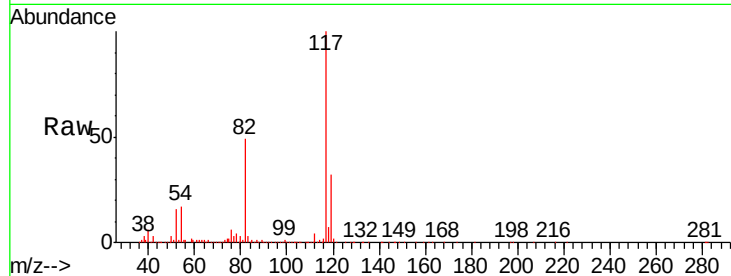




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

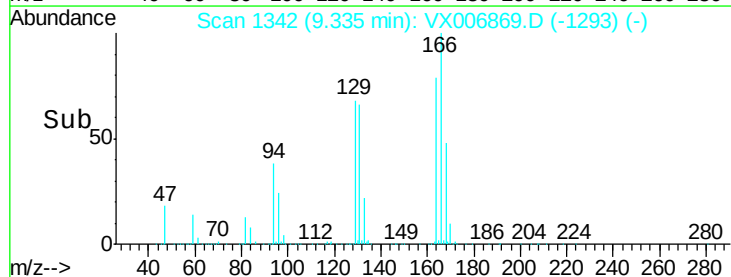
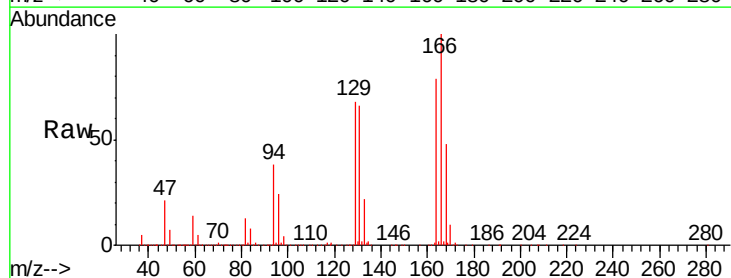
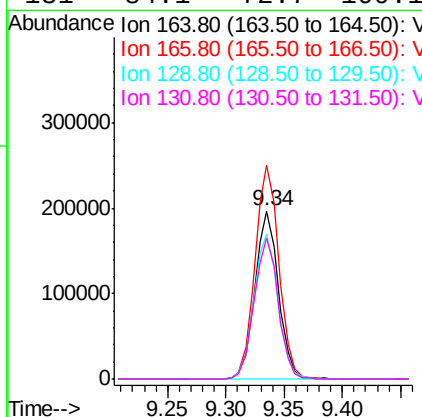
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

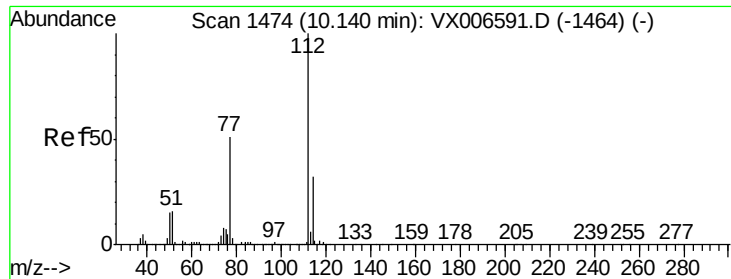
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.6
119	32.3	25.4	38.0



#64
Tetrachloroethene
Concen: 46.750 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.5	153.7
129	85.9	75.1	112.7
131	84.1	72.7	109.1





#65

Chlorobenzene

Concen: 47.701 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

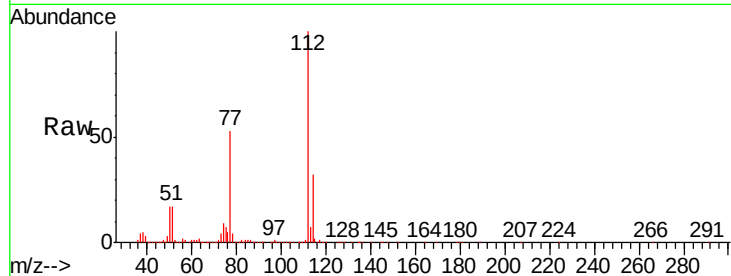
VSTDCCC050EC

Tgt Ion:112 Resp: 754507

Ion Ratio Lower Upper

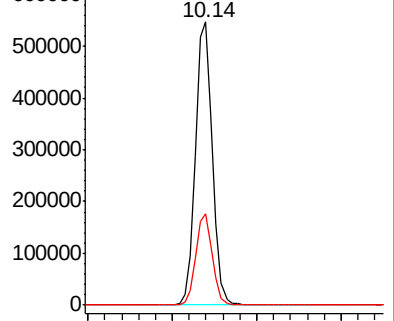
112 100

114 32.4 25.7 38.5

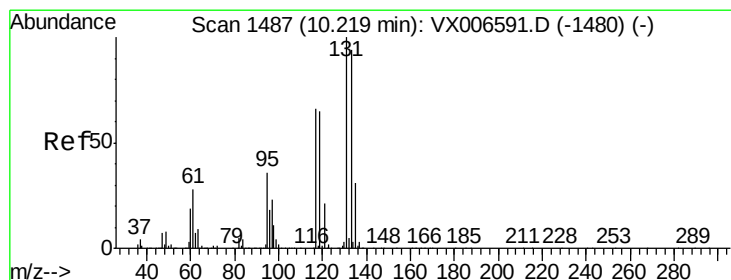
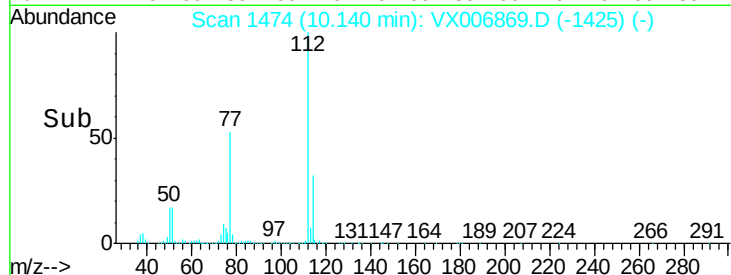


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 55.044 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

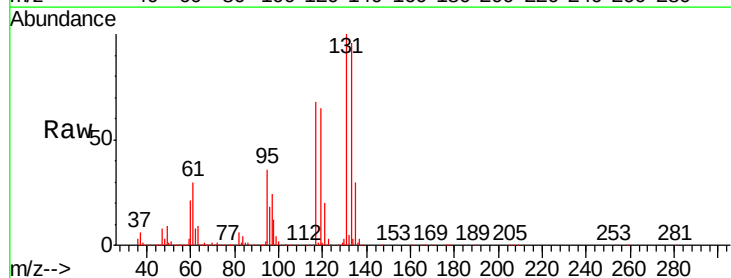
Tgt Ion:131 Resp: 271640

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.2

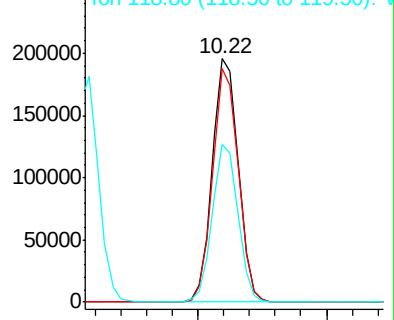
119 63.8 32.6 97.8



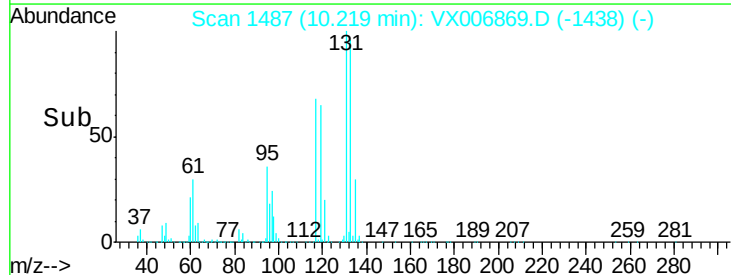
Abundance Ion 130.80 (130.50 to 131.50): V

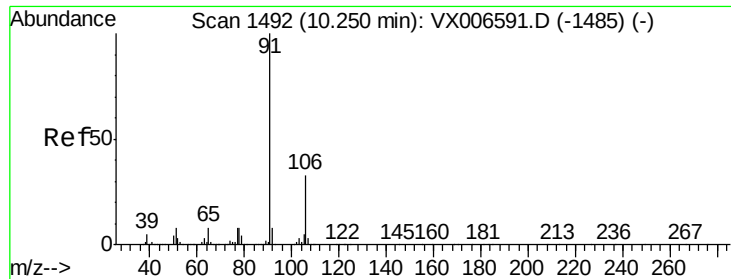
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 10.20 10.30





#67

Ethyl Benzene

Concen: 47.294 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

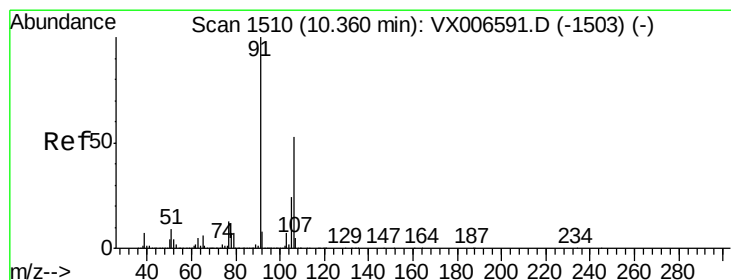
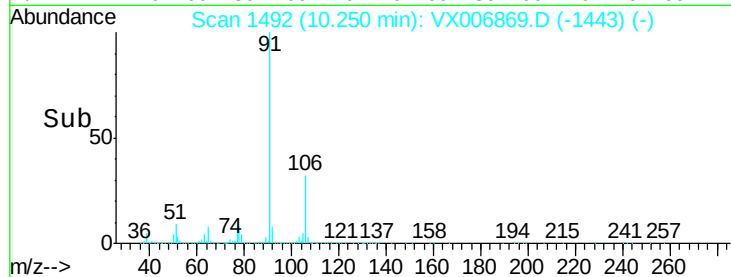
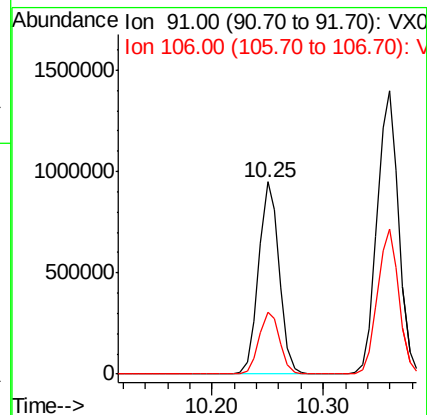
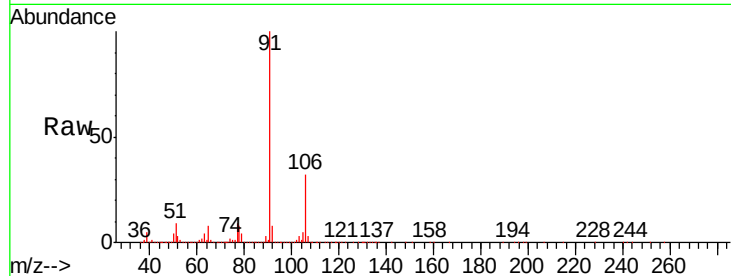
VSTDCCC050EC

Tgt Ion: 91 Resp: 1222388

Ion Ratio Lower Upper

91 100

106 32.3 26.4 39.6



#68

m/p-Xylenes

Concen: 94.263 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006869.D

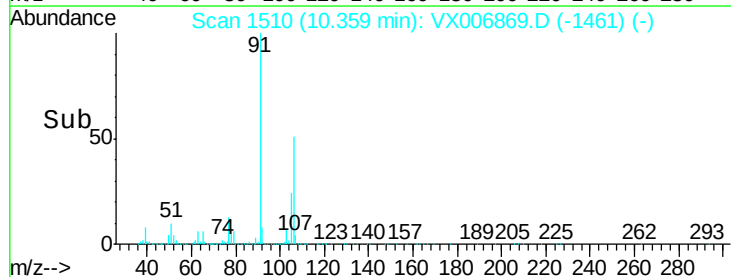
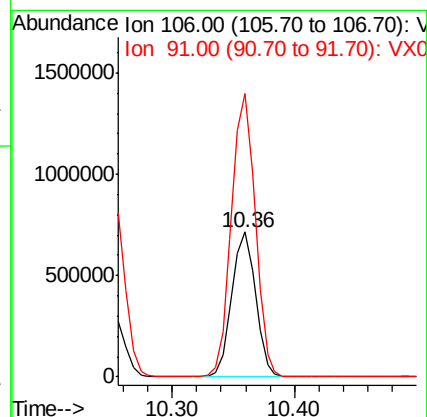
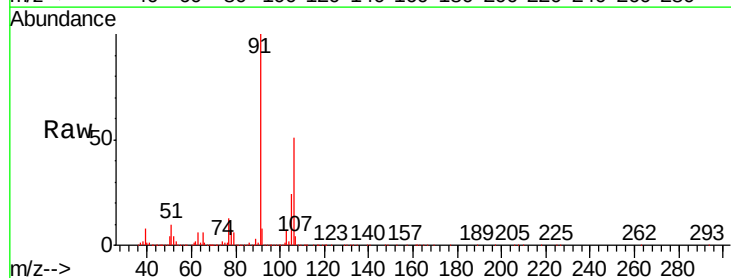
Acq: 28 Dec 2018 18:46

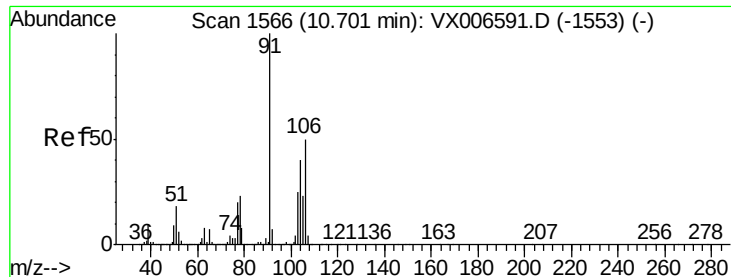
Tgt Ion: 106 Resp: 961391

Ion Ratio Lower Upper

106 100

91 196.1 155.8 233.6

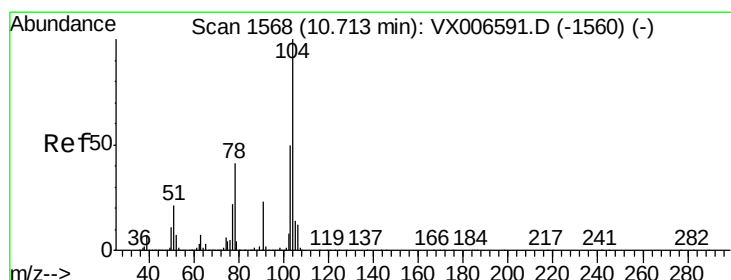
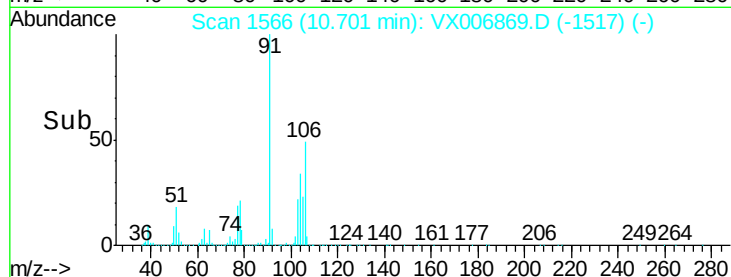
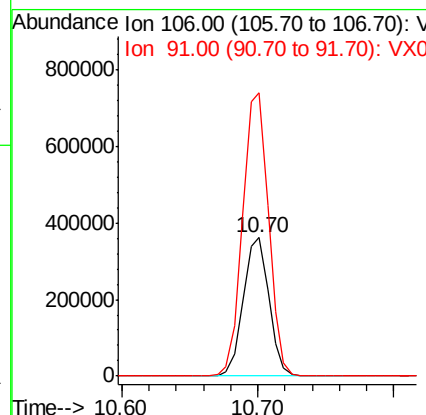
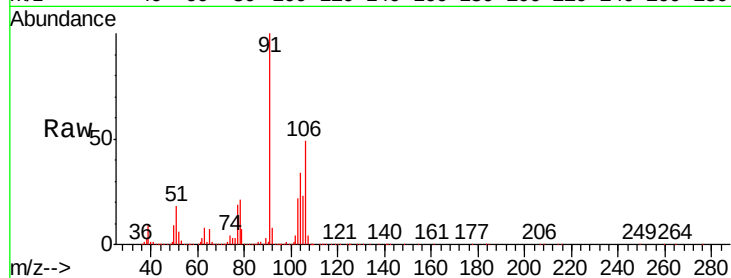




#69
o-Xylene
Concen: 47.048 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

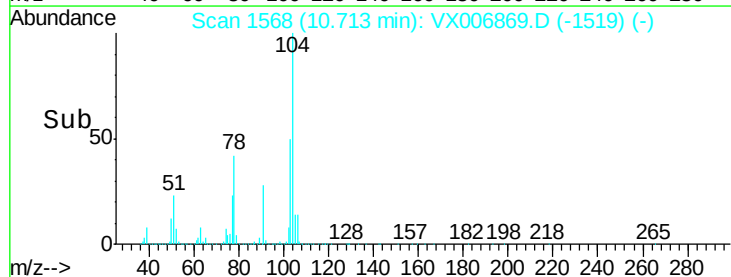
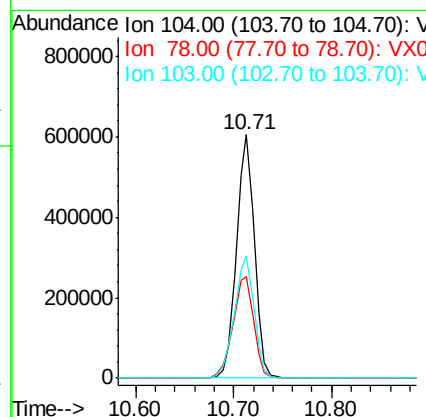
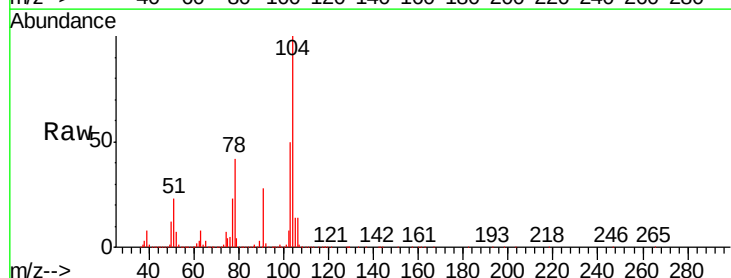
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

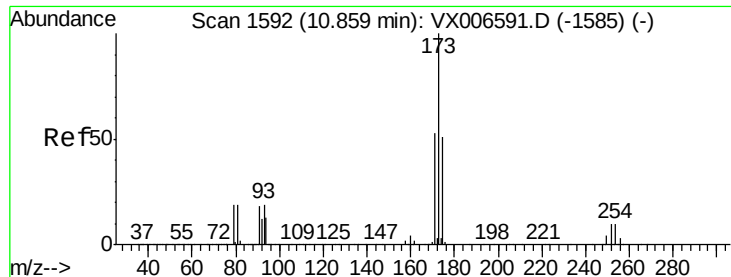
Tgt Ion:106 Resp: 473830
Ion Ratio Lower Upper
106 100
91 207.1 101.3 303.7



#70
Styrene
Concen: 48.358 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion:104 Resp: 770515
Ion Ratio Lower Upper
104 100
78 48.2 37.7 56.5
103 55.6 43.8 65.8





#71

Bromoform

Concen: 44.253 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

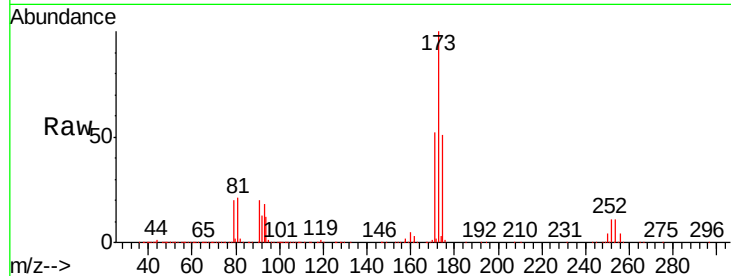
Tgt Ion:173 Resp: 194480

Ion Ratio Lower Upper

173 100

175 48.3 24.7 74.1

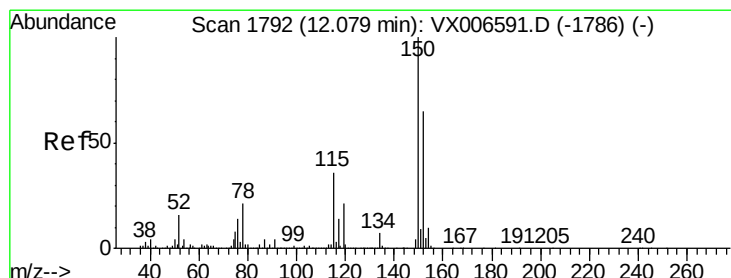
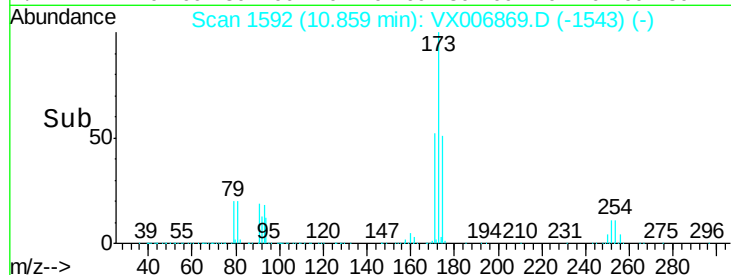
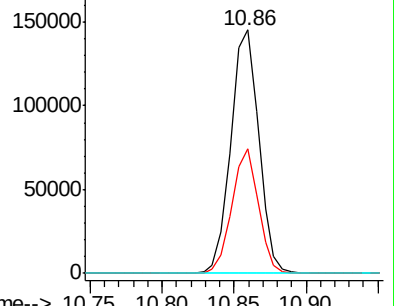
254 0.1 0.2 0.2#



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

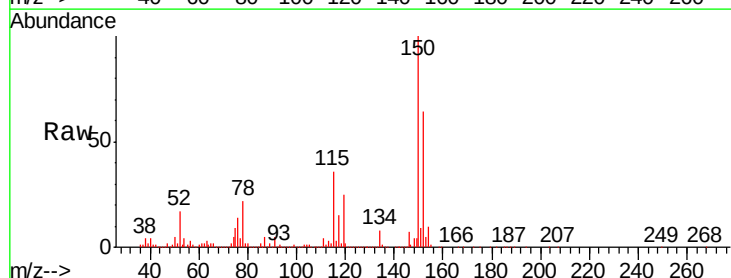
Tgt Ion:152 Resp: 376511

Ion Ratio Lower Upper

152 100

115 75.7 39.1 117.2

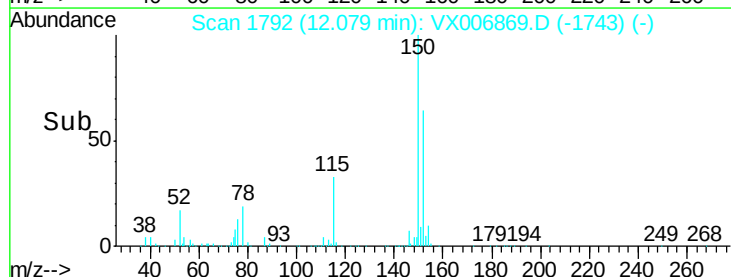
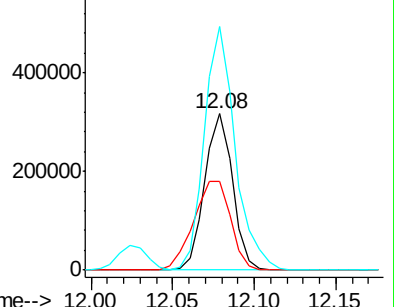
150 171.9 0.0 344.8

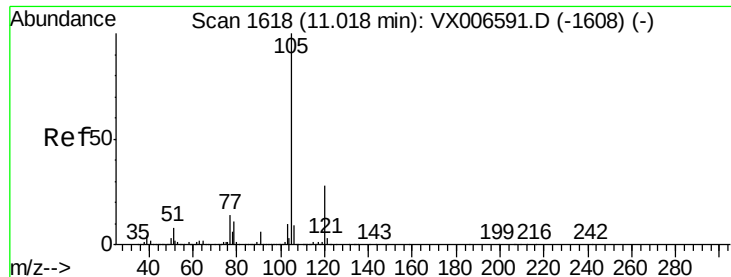


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.075 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

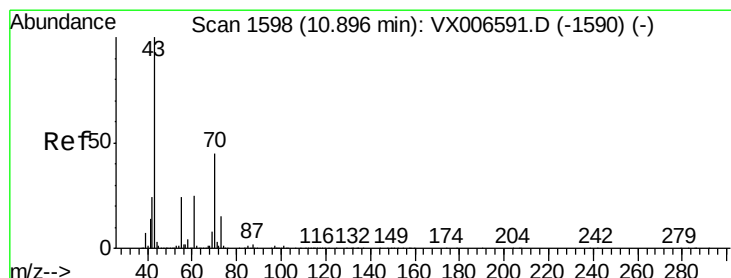
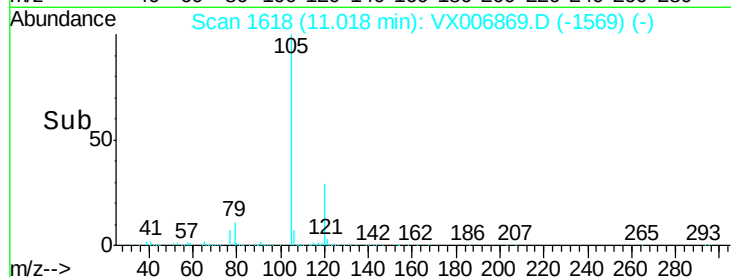
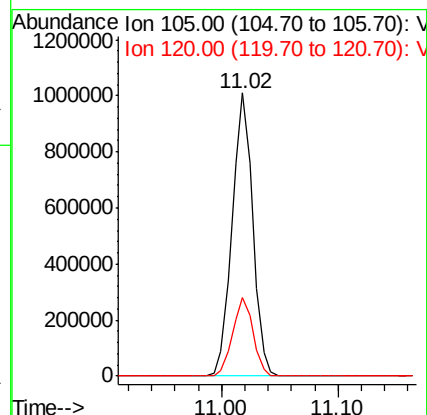
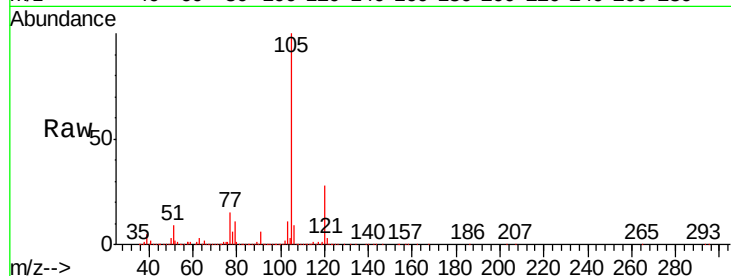
VSTDCCC050EC

Tgt Ion:105 Resp: 1238304

Ion Ratio Lower Upper

105 100

120 27.7 14.1 42.4



#74

N-ethyl acetate

Concen: 56.949 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Tgt Ion: 43 Resp: 525060

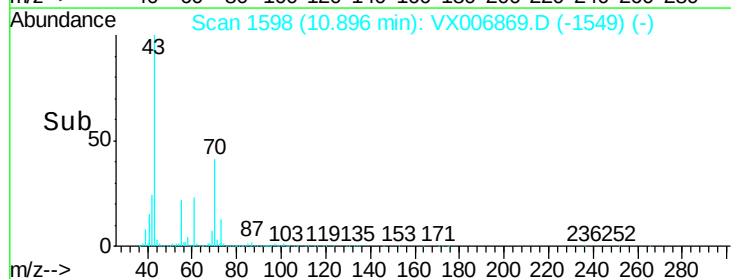
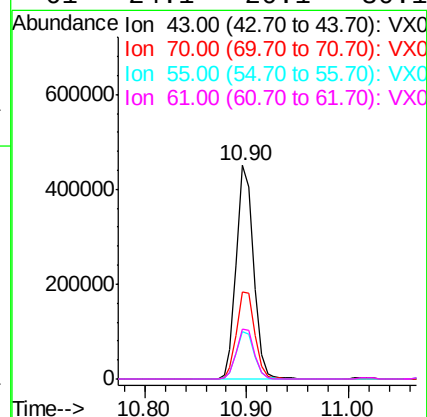
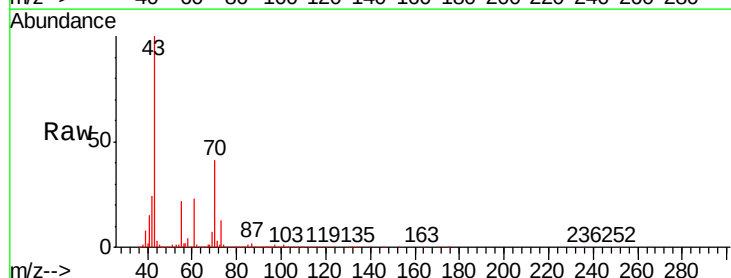
Ion Ratio Lower Upper

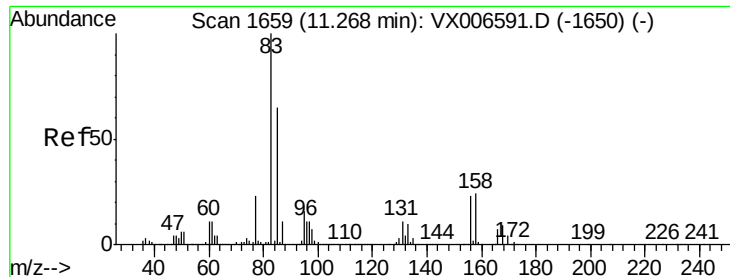
43 100

70 42.5 35.8 53.8

55 23.5 19.4 29.0

61 24.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.274 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

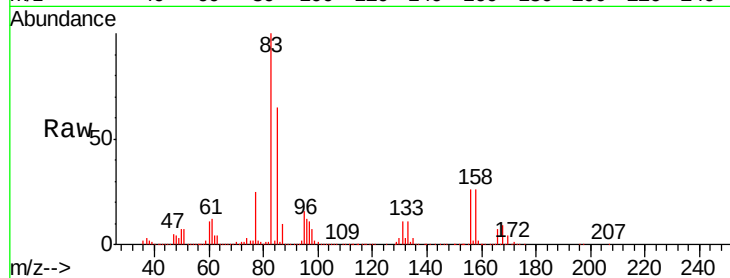
Tgt Ion: 83 Resp: 400442

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

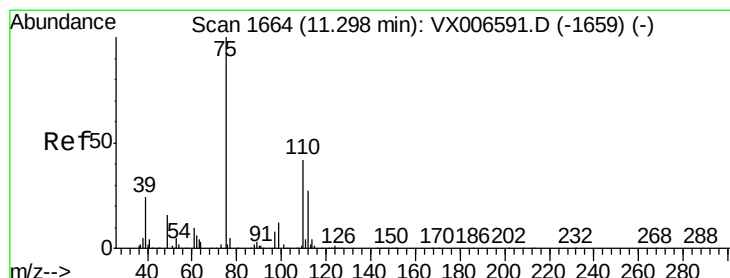
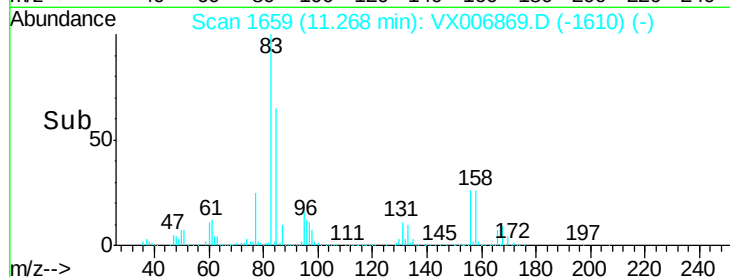
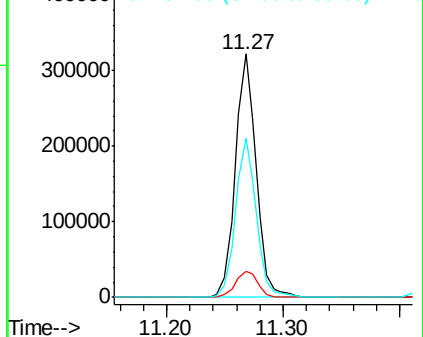
85 65.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.500 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006869.D

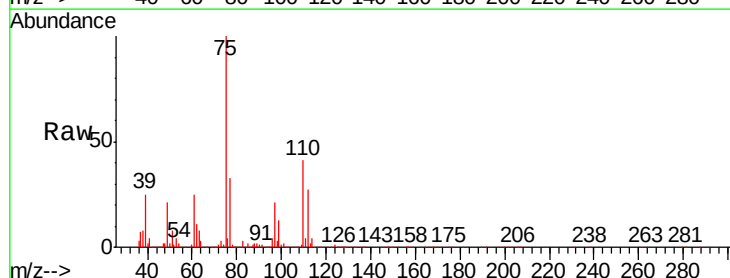
Acq: 28 Dec 2018 18:46

Tgt Ion: 75 Resp: 444316

Ion Ratio Lower Upper

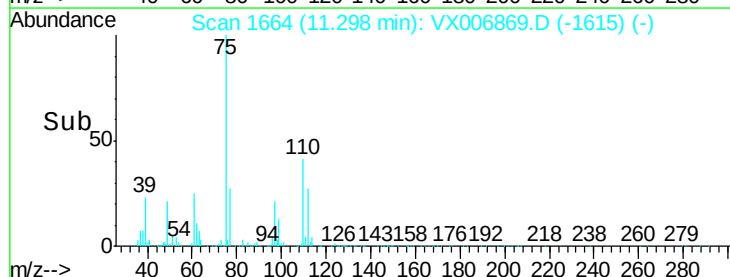
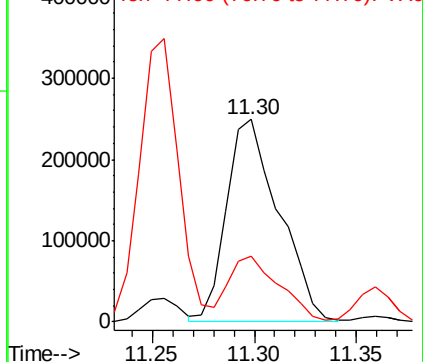
75 100

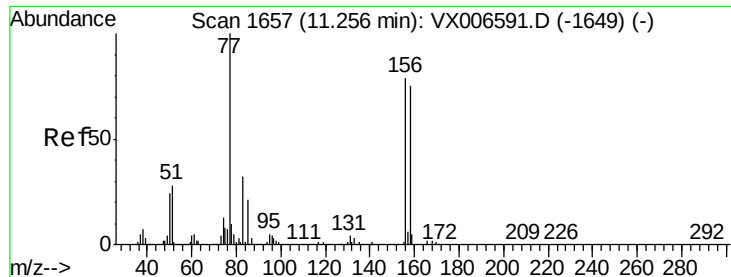
77 31.0 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.414 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

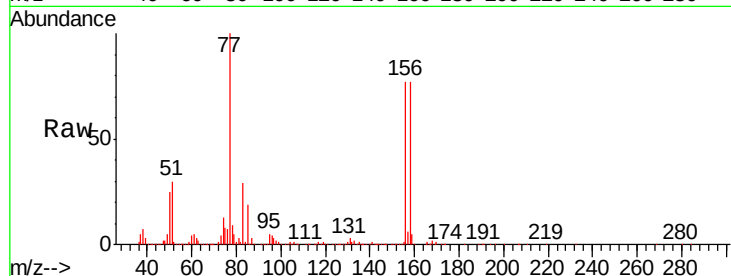
Tgt Ion:156 Resp: 344105

Ion Ratio Lower Upper

156 100

77 134.8 68.0 204.0

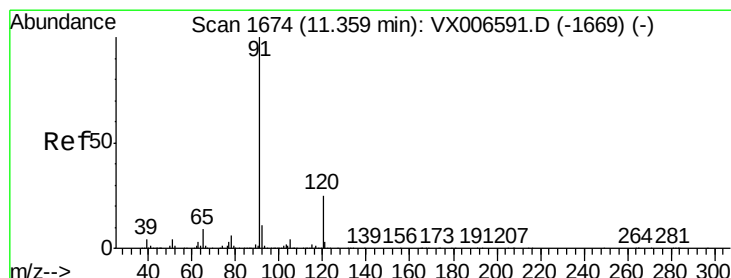
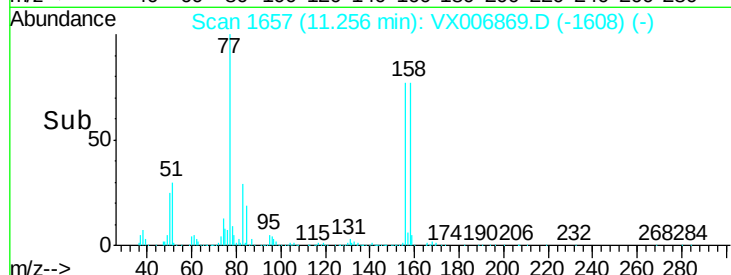
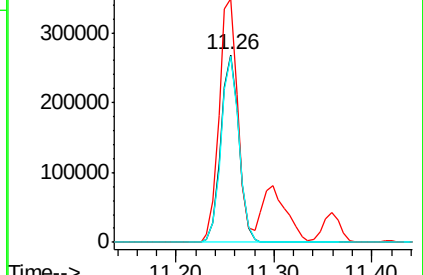
158 98.2 48.3 144.8



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: 48.067 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006869.D

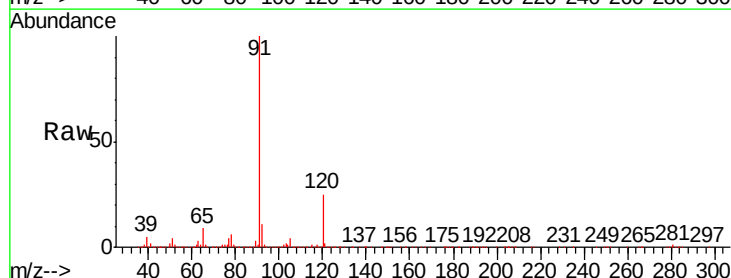
Acq: 28 Dec 2018 18:46

Tgt Ion: 91 Resp: 1363394

Ion Ratio Lower Upper

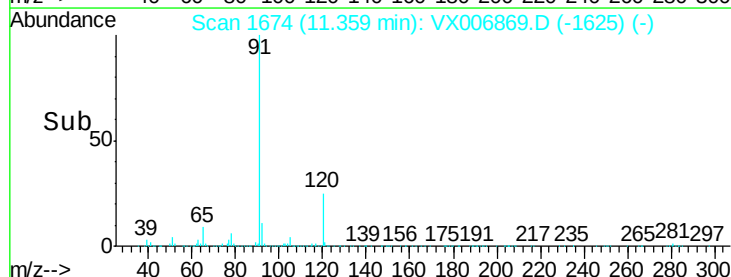
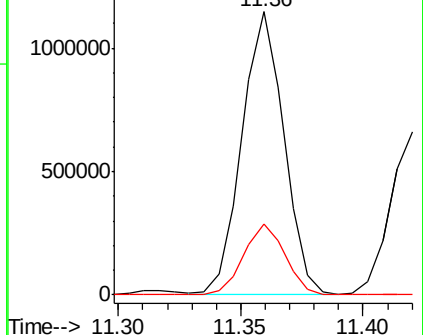
91 100

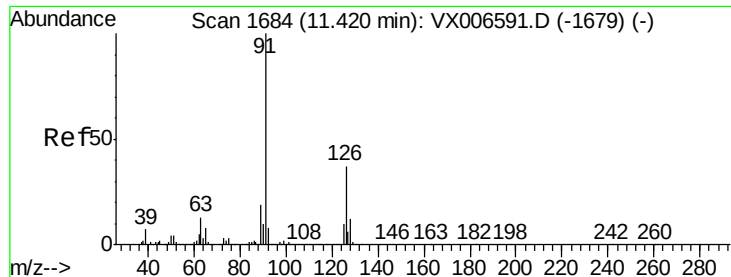
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.901 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

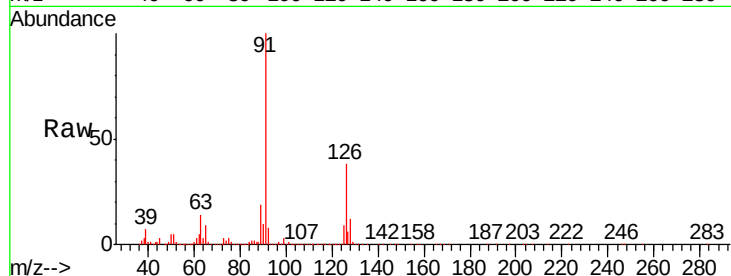
VSTDCCC050EC

Tgt Ion: 91 Resp: 806193

Ion Ratio Lower Upper

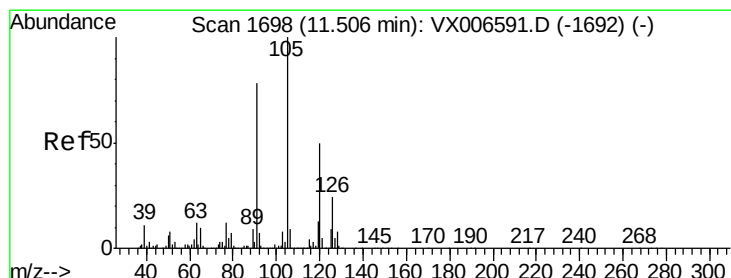
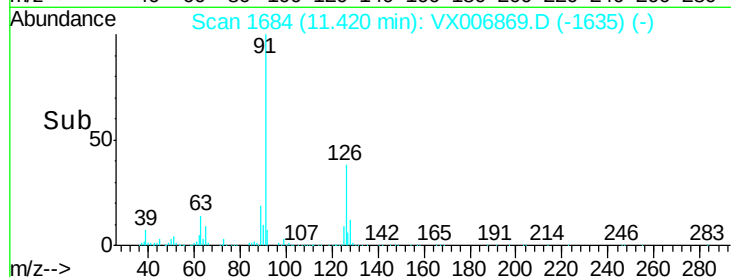
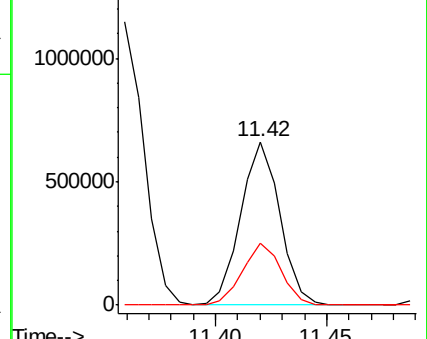
91 100

126 37.8 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.632 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006869.D

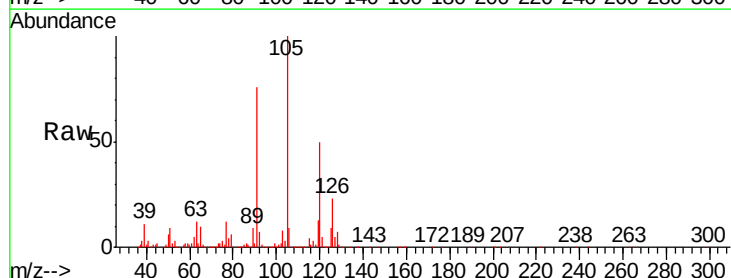
Acq: 28 Dec 2018 18:46

Tgt Ion: 105 Resp: 1010562

Ion Ratio Lower Upper

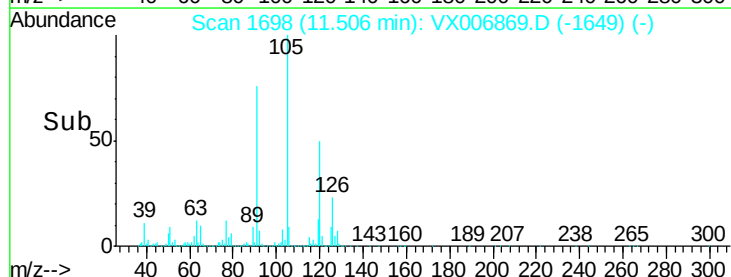
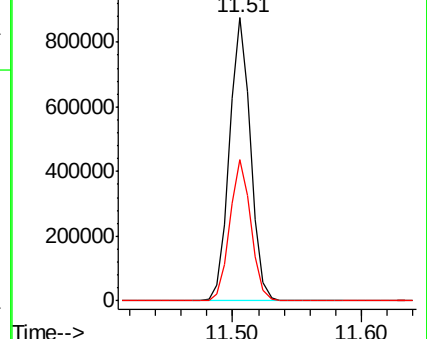
105 100

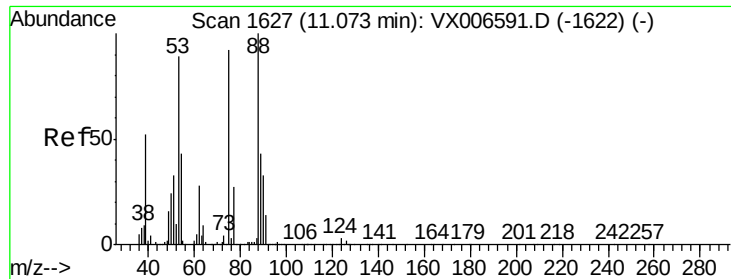
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.297 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

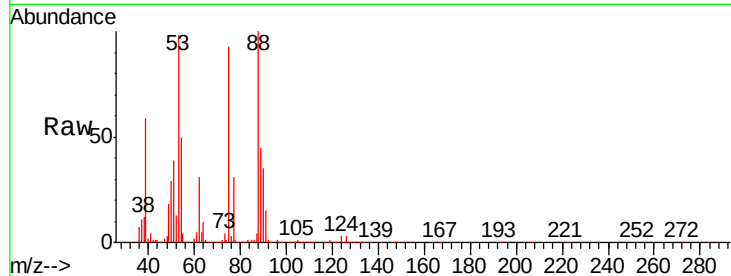
Tgt Ion: 75 Resp: 100637

Ion Ratio Lower Upper

75 100

53 103.9 79.7 119.5

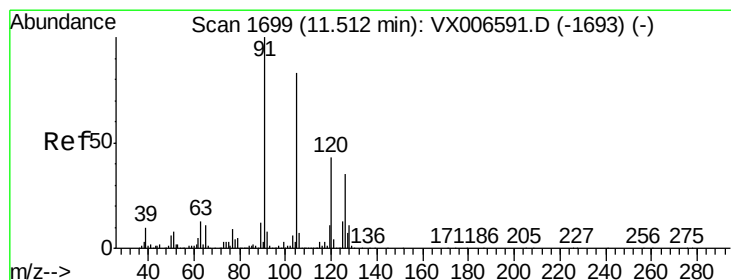
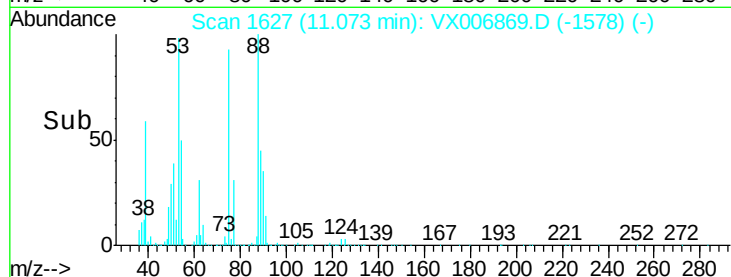
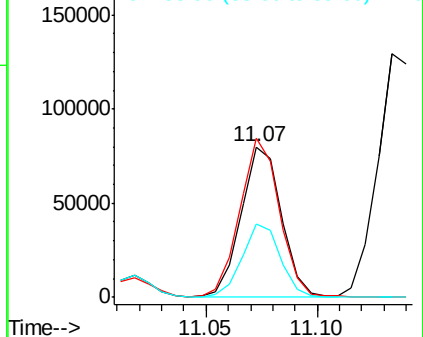
89 47.0 38.0 57.0



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: 47.814 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006869.D

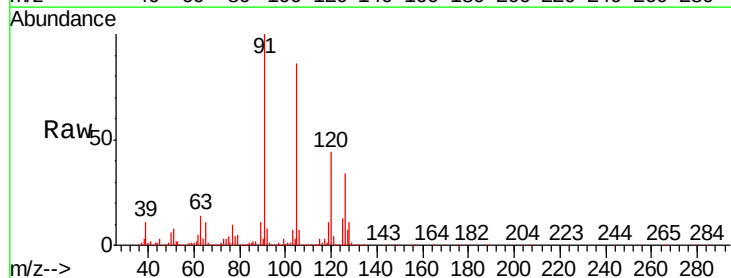
Acq: 28 Dec 2018 18:46

Tgt Ion: 91 Resp: 942756

Ion Ratio Lower Upper

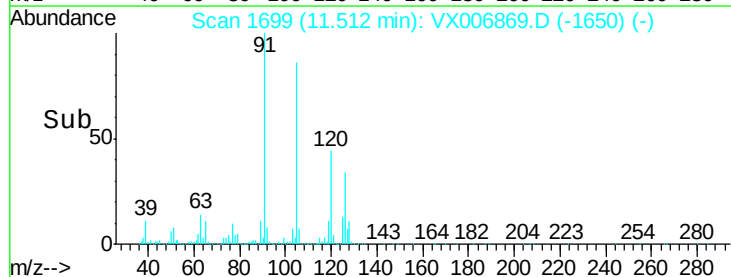
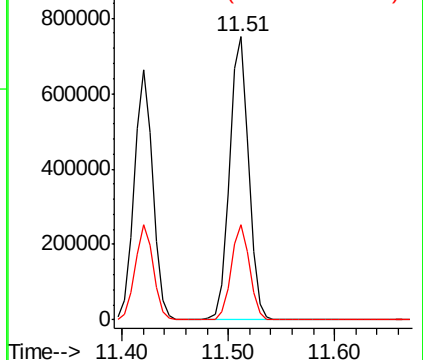
91 100

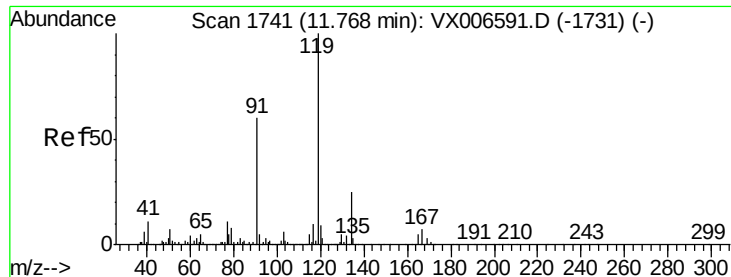
126 32.5 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

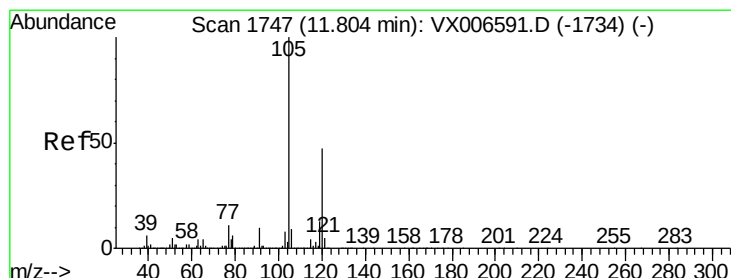
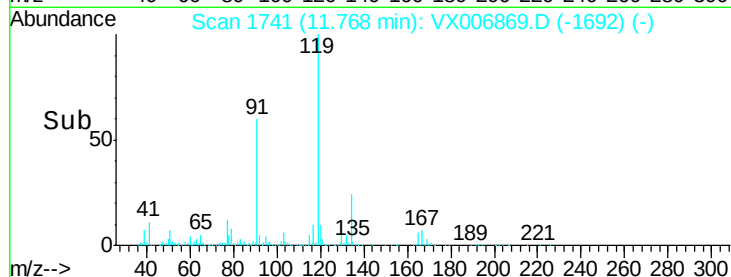
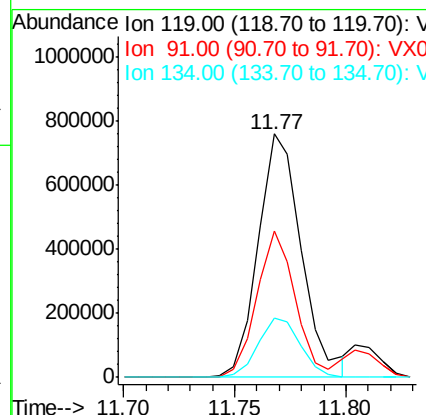
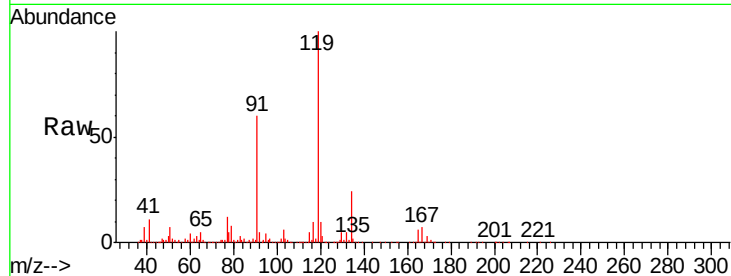




#83
 tert-Butylbenzene
 Concen: 48.377 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

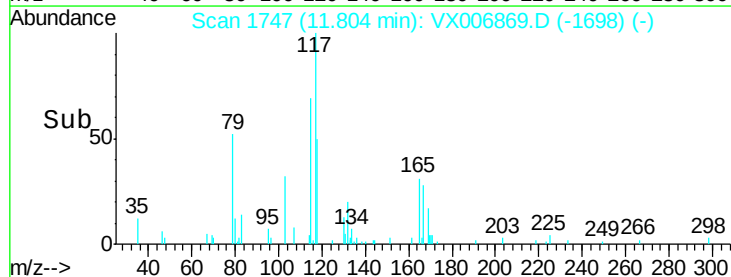
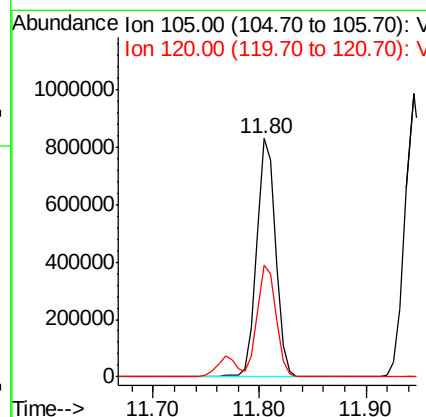
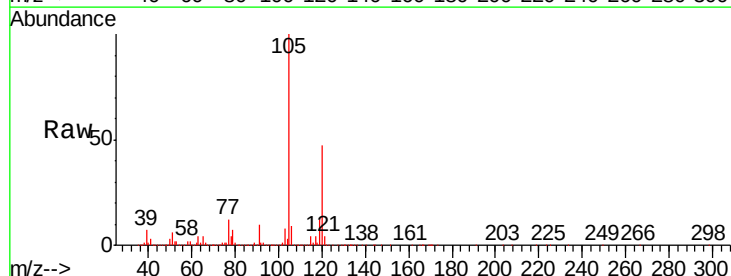
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

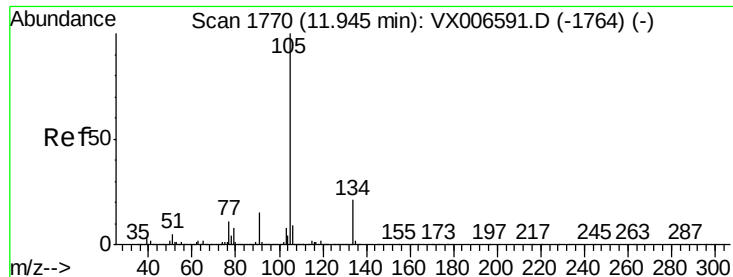
Tgt Ion:119 Resp: 1027235
 Ion Ratio Lower Upper
 119 100
 91 53.6 27.7 83.1
 134 23.6 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 46.349 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion:105 Resp: 1034310
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 45.348 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

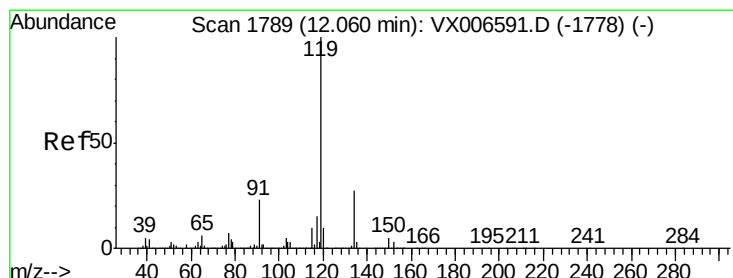
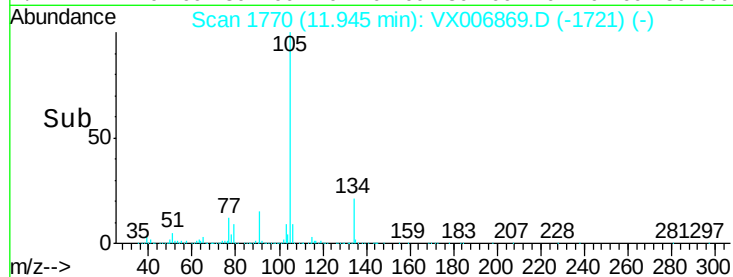
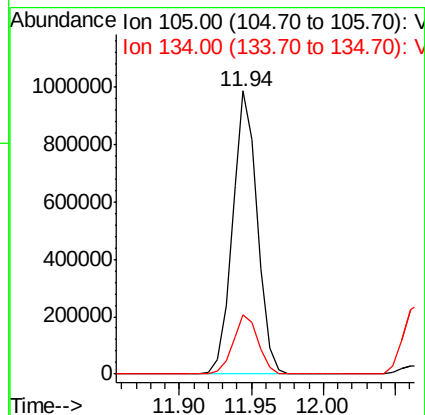
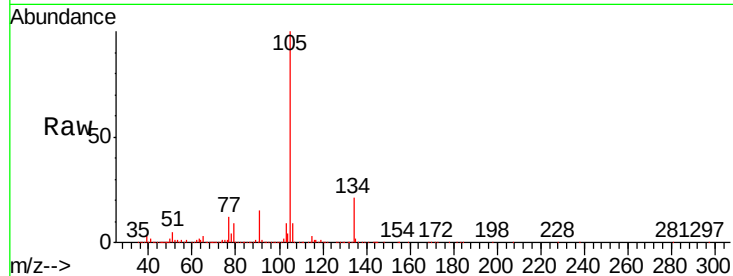
VSTDCCC050EC

Tgt Ion:105 Resp: 1180570

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



#86

p-Isopropyltoluene

Concen: 46.418 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

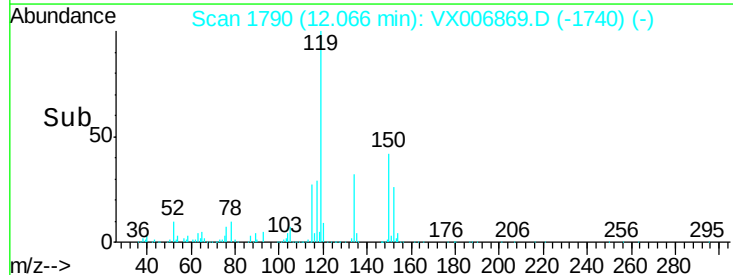
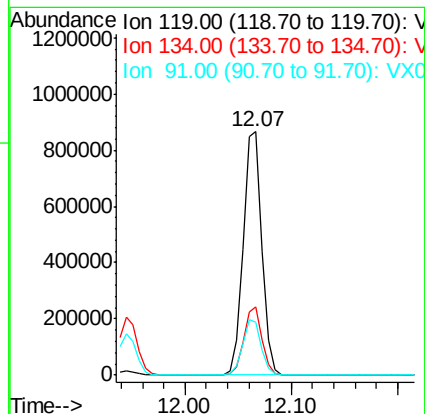
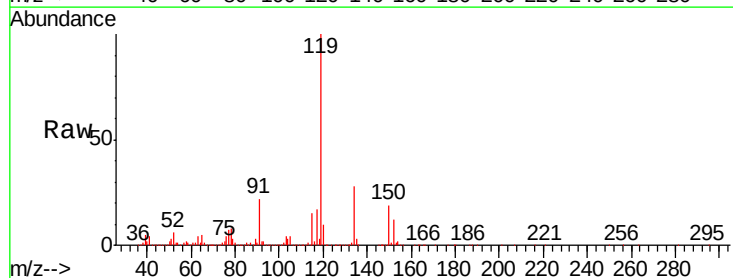
Tgt Ion:119 Resp: 1062270

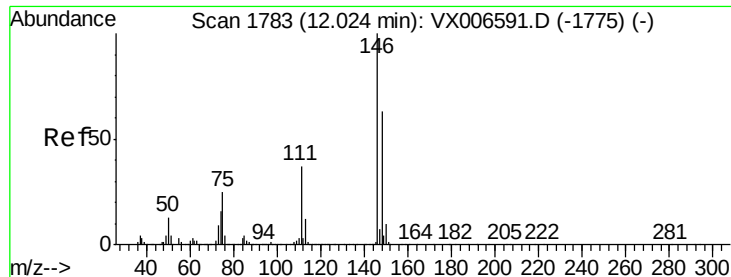
Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.7 11.3 33.9

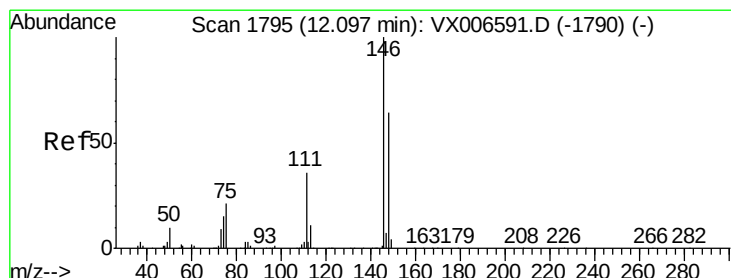
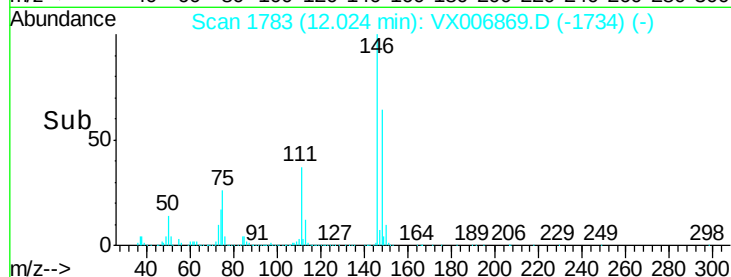
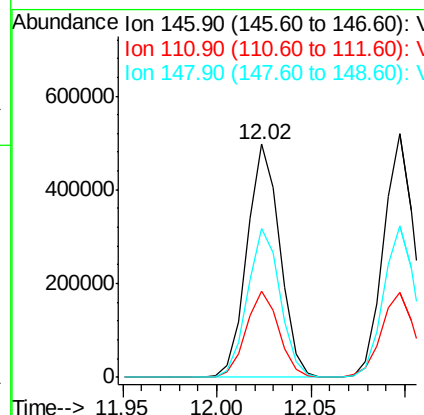
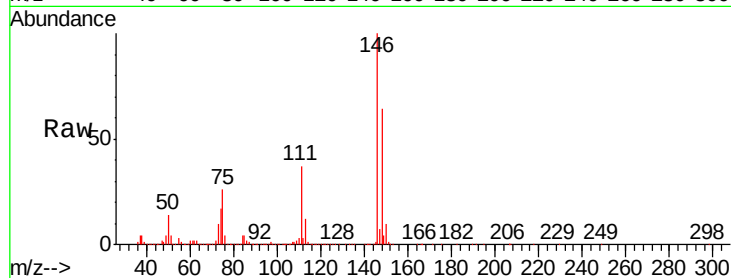




#87
 1,3-Dichlorobenzene
 Concen: 47.810 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

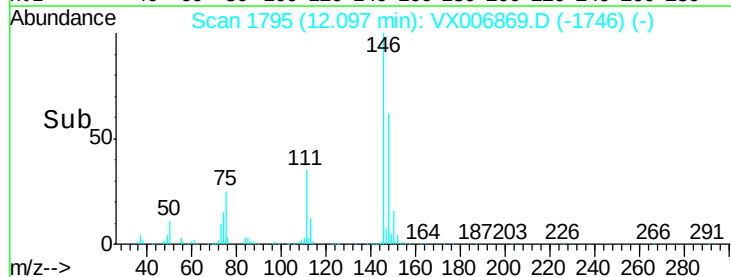
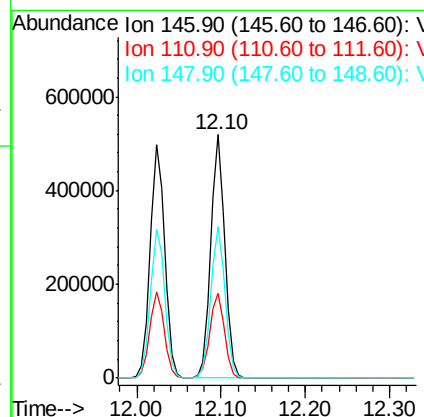
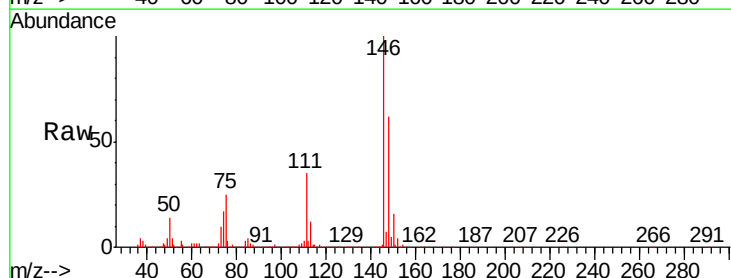
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

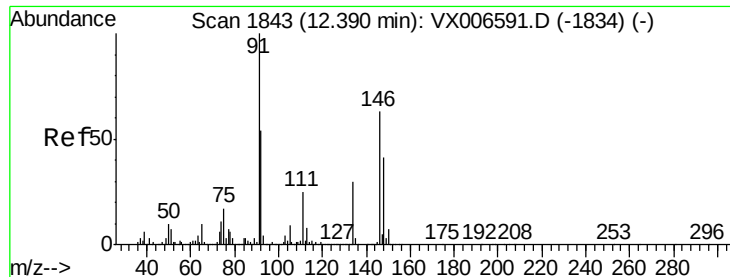
Tgt Ion:146 Resp: 600041
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 46.890 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion:146 Resp: 603284
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.1
 148 63.0 31.9 95.9

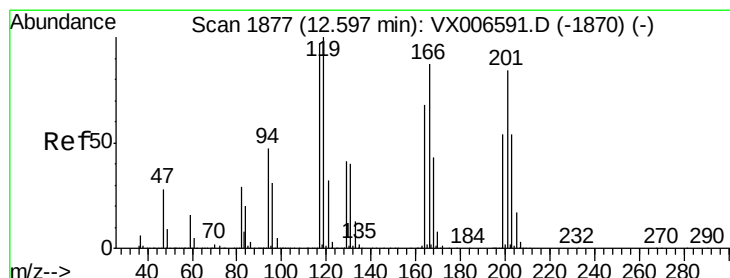
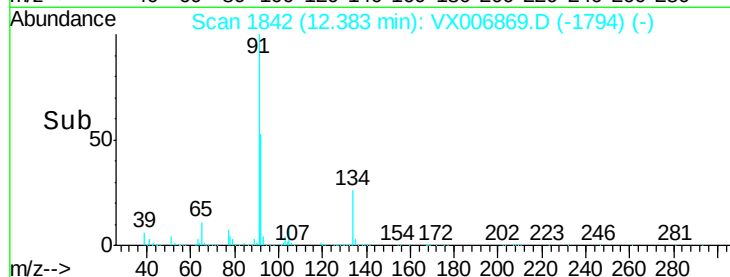
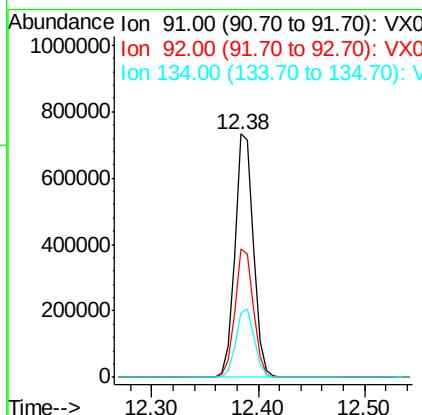
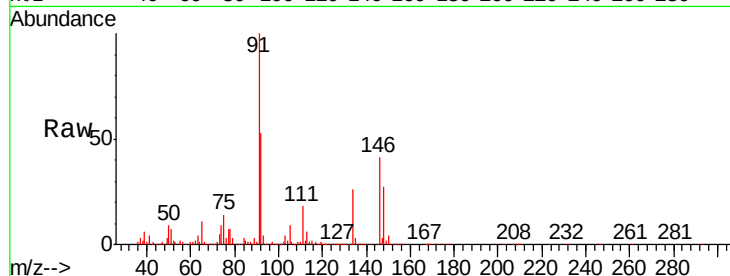




#89
n-Butylbenzene
Concen: 45.784 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

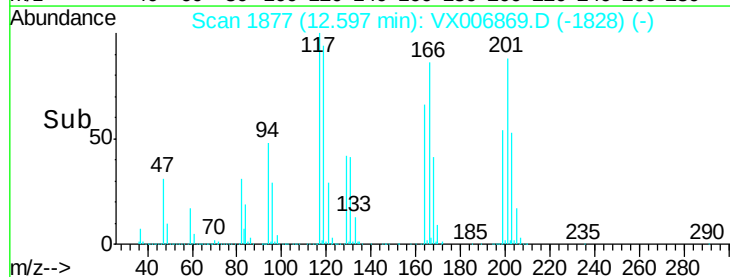
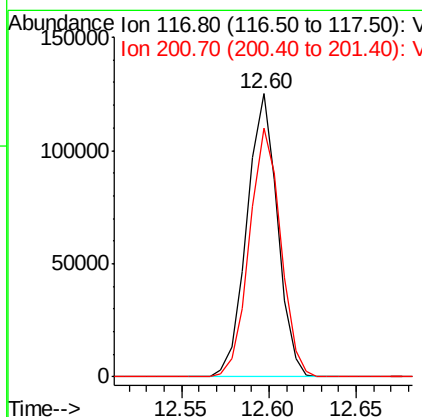
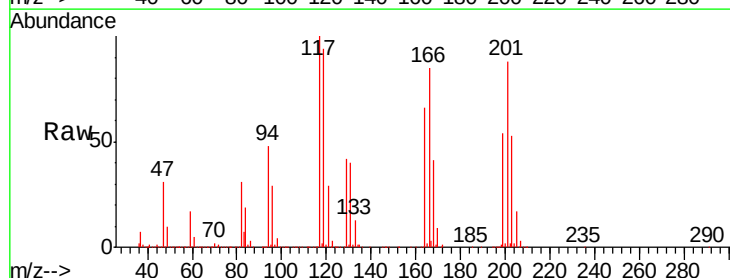
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

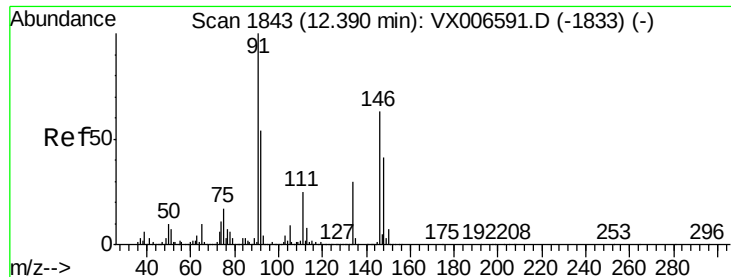
Tgt Ion: 91 Resp: 891686
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 28.4 14.4 43.2



#90
Hexachloroethane
Concen: 42.984 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006869.D
Acq: 28 Dec 2018 18:46

Tgt Ion: 117 Resp: 152179
Ion Ratio Lower Upper
117 100
201 89.7 42.9 128.7

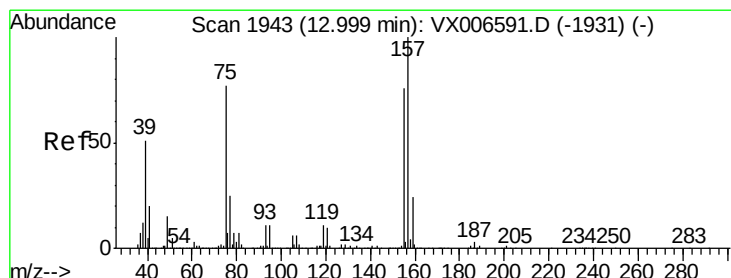
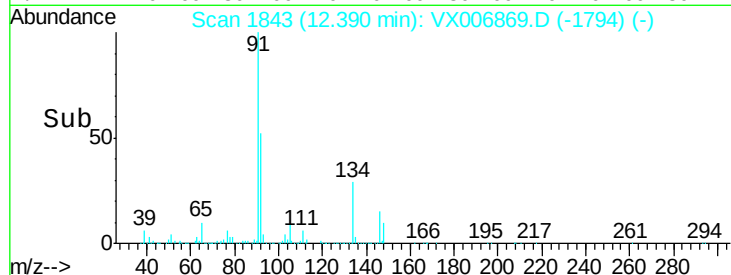
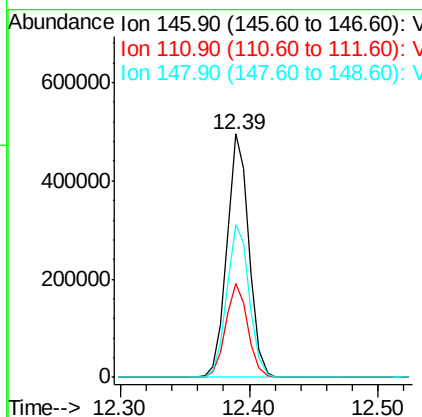
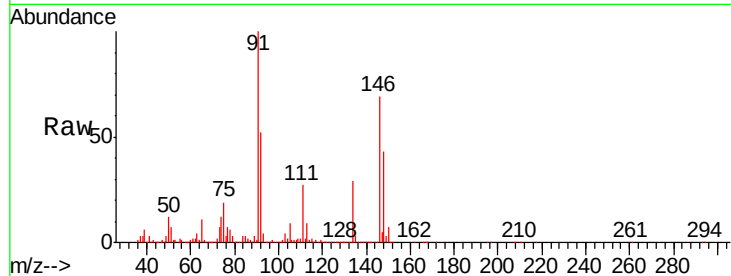




#91
 1,2-Dichlorobenzene
 Concen: 47.602 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

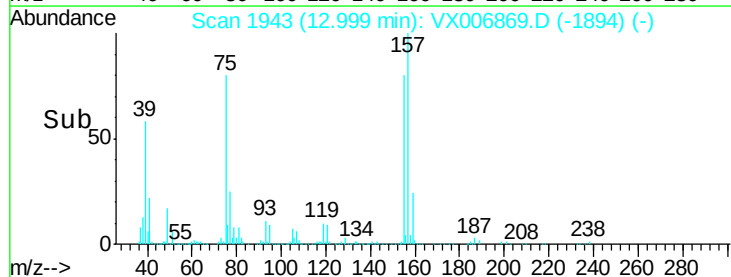
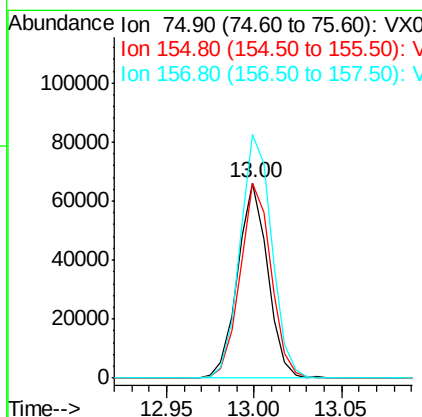
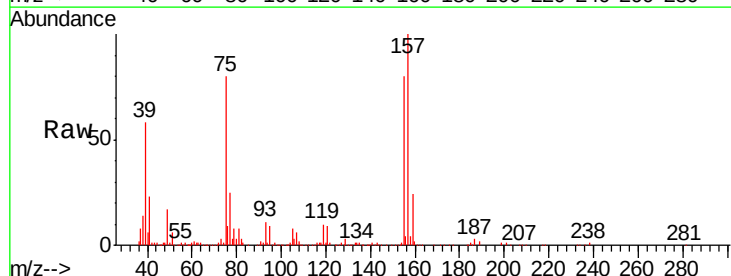
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

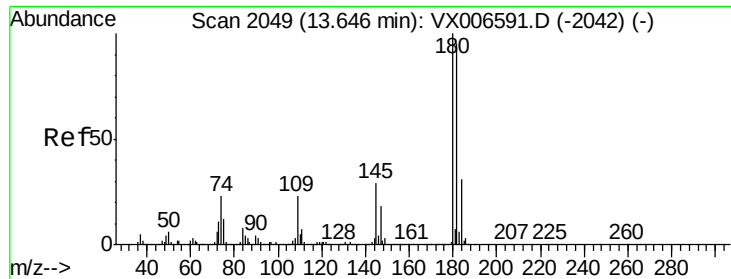
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	64.1	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.696 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	50.6	151.8
157	132.2	64.6	193.8

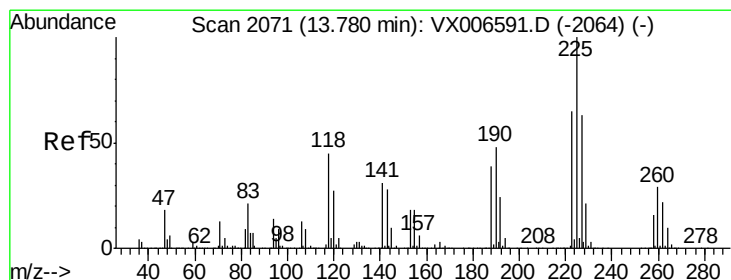
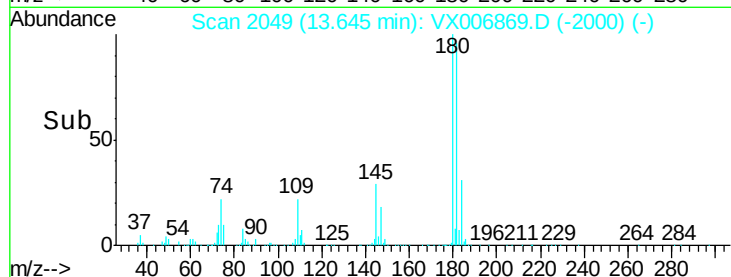
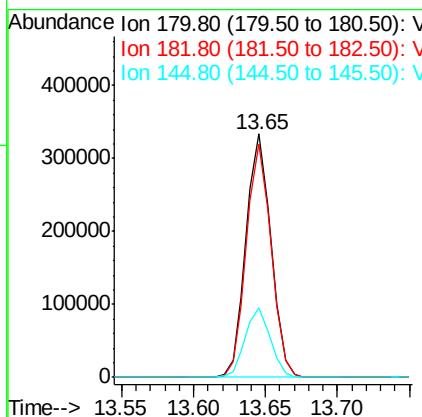
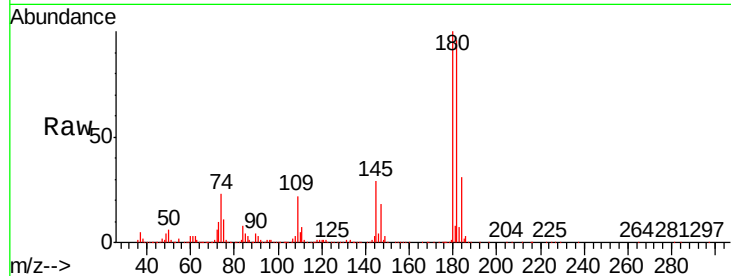




#93
 1,2,4-Trichlorobenzene
 Concen: 46.271 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

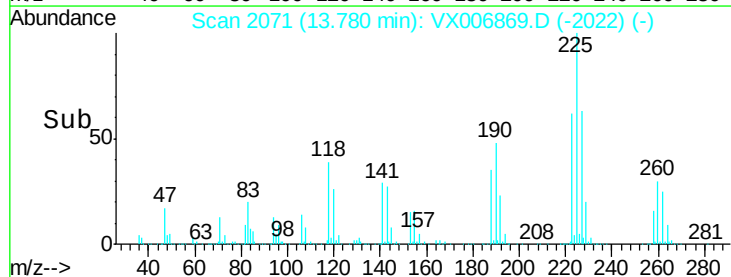
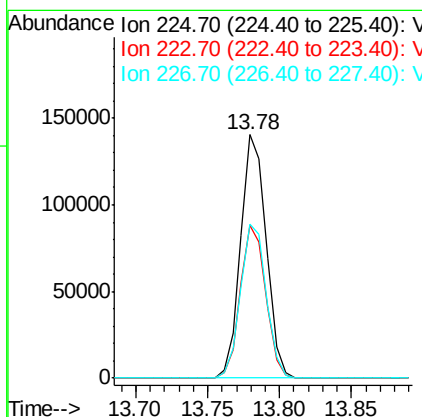
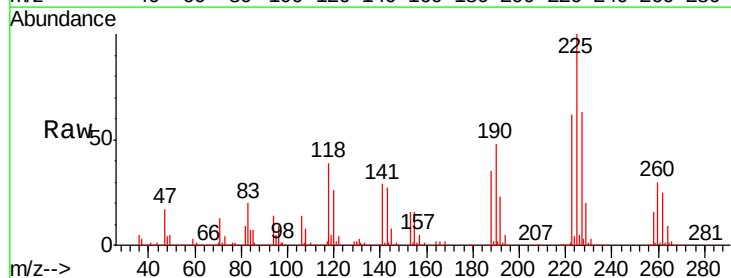
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

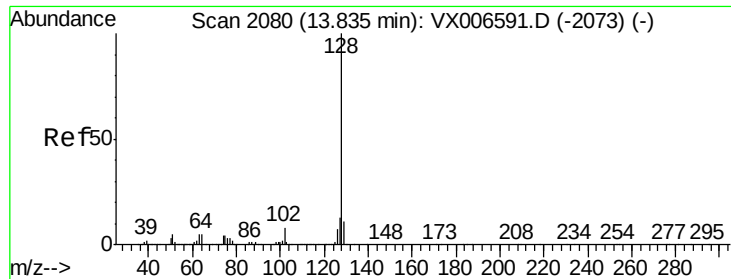
Tgt Ion:180 Resp: 400715
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 28.8 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 42.119 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006869.D
 Acq: 28 Dec 2018 18:46

Tgt Ion:225 Resp: 171926
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.1 96.3
 227 63.9 32.3 96.8





#95

Naphthalene

Concen: 45.133 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

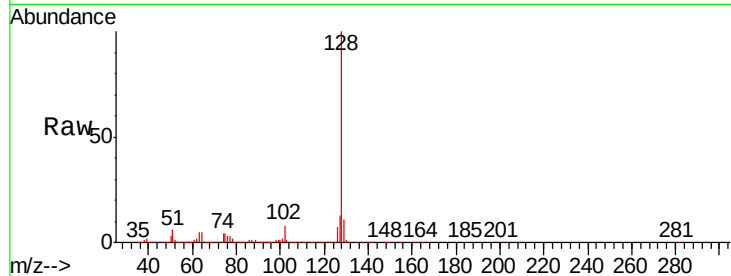
Tgt Ion:128 Resp: 1247496

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

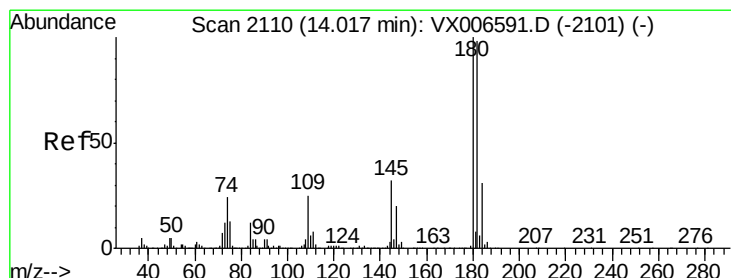
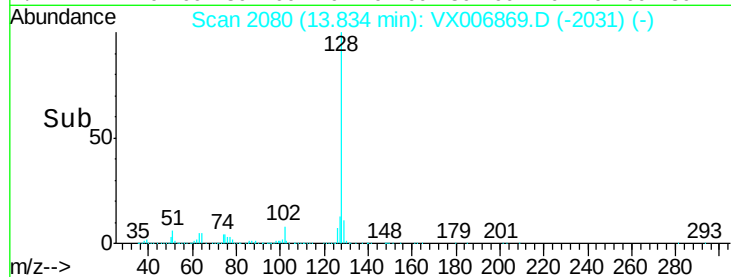
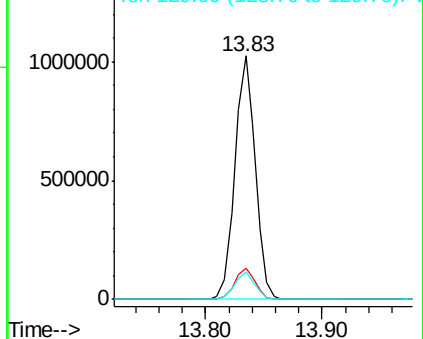
129 11.1 8.6 13.0



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: 43.438 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006869.D

Acq: 28 Dec 2018 18:46

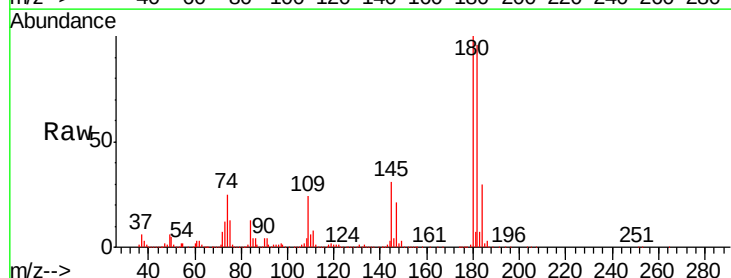
Tgt Ion:180 Resp: 388408

Ion Ratio Lower Upper

180 100

182 96.3 48.5 145.5

145 30.4 16.0 47.9



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

