

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
 Data File : VX006592.D
 Acq On : 18 Dec 2018 12:31
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 19 00:36:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	616939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	930505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	874541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	637167	95.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.66%	
35) Dibromofluoromethane	5.50	113	591379	100.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.00%	
50) Toluene-d8	8.71	98	2223710	100.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.48%	
62) 4-Bromofluorobenzene	11.13	95	818206	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	526866	93.351	ug/l	97
3) Chloromethane	1.32	50	567662	93.358	ug/l	99
4) Vinyl Chloride	1.41	62	605765	95.389	ug/l	100
5) Bromomethane	1.64	94	589553	85.382	ug/l	98
6) Chloroethane	1.71	64	492517	112.008	ug/l	97
7) Trichlorofluoromethane	1.92	101	947927	95.741	ug/l	99
8) Diethyl Ether	2.19	74	360512	91.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	543619	93.512	ug/l	98
10) Methyl Iodide	2.51	142	888277	106.744	ug/l	99
11) Tert butyl alcohol	3.09	59	712175	479.935	ug/l	99
12) 1,1-Dichloroethene	2.37	96	523084	94.896	ug/l	98
13) Acrolein	2.30	56	503343	502.816	ug/l	98
14) Allyl chloride	2.73	41	924203	99.609	ug/l	100
15) Acrylonitrile	3.15	53	1642001	498.374	ug/l	100
16) Acetone	2.45	43	1403261	459.362	ug/l	100
17) Carbon Disulfide	2.57	76	1436655	98.487	ug/l	99
18) Methyl Acetate	2.78	43	865592	96.363	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1800403	98.410	ug/l	99
20) Methylene Chloride	2.85	84	586025	92.772	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	565874	92.652	ug/l	97
22) Diisopropyl ether	3.87	45	1668875	98.319	ug/l	94
23) Vinyl Acetate	3.82	43	6901338	497.062	ug/l	99
24) 1,1-Dichloroethane	3.70	63	942305	92.996	ug/l	99
25) 2-Butanone	4.70	43	2030473	472.537	ug/l	99
26) 2,2-Dichloropropane	4.58	77	775525	99.081	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	650162	96.485	ug/l	100
28) Bromochloromethane	5.02	49	440744	94.606	ug/l	100
29) Tetrahydrofuran	5.15	42	1364431	482.111	ug/l	100
30) Chloroform	5.21	83	1019448	97.155	ug/l	99
31) Cyclohexane	5.57	56	860244	93.450	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	899595	101.533	ug/l	100
36) 1,1-Dichloropropene	5.80	75	758335	98.399	ug/l	100
37) Ethyl Acetate	4.86	43	794363	99.032	ug/l	99
38) Carbon Tetrachloride	5.78	117	790938	105.603	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	979002	96.490	ug/l	99
40) Benzene	6.14	78	2301258	98.236	ug/l	99
41) Methacrylonitrile	5.06	41	439553	97.514	ug/l	99
42) 1,2-Dichloroethane	6.20	62	761203	95.359	ug/l	99
43) Isopropyl Acetate	6.46	43	1294648	106.077	ug/l	99
44) Trichloroethene	7.21	130	686858	96.873	ug/l	97
45) 1,2-Dichloropropane	7.51	63	570967	100.158	ug/l	99
46) Dibromomethane	7.66	93	409777	97.725	ug/l	97
47) Bromodichloromethane	7.90	83	746461	107.226	ug/l	98
48) Methyl methacrylate	7.77	41	655020	105.538	ug/l	100
49) 1,4-Dioxane	7.76	88	329384	1875.700	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3985686	513.254	ug/l	99
52) Toluene	8.79	92	1514994	100.104	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	872089	116.805	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	928699	113.362	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	620784	100.213	ug/l	99
56) Ethyl methacrylate	9.18	69	929398	106.152	ug/l	99
57) 1,3-Dichloropropane	9.37	76	991948	99.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2402754	516.271	ug/l	100
59) 2-Hexanone	9.50	43	3064266	515.736	ug/l	100
60) Dibromochloromethane	9.59	129	678881	118.979	ug/l	98
61) 1,2-Dibromoethane	9.67	107	688319	104.526	ug/l	100
64) Tetrachloroethene	9.34	164	642921	92.840	ug/l	97
65) Chlorobenzene	10.14	112	1797353	97.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	634931	109.993	ug/l	99
67) Ethyl Benzene	10.25	91	2958315	97.851	ug/l	99
68) m/p-Xylenes	10.36	106	2366835	198.396	ug/l	99
69) o-Xylene	10.70	106	1160986	98.552	ug/l	99
70) Styrene	10.71	104	1884039	101.089	ug/l	100
71) Bromoform	10.86	173	520664	118.476	ug/l #	99
73) Isopropylbenzene	11.02	105	3050808	98.380	ug/l	100
74) N-amyl acetate	10.90	43	1182905	106.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	935786	101.467	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	1091279	135.902	ug/l	90
77) Bromobenzene	11.26	156	820490	97.866	ug/l	98
78) n-propylbenzene	11.36	91	3433536	100.546	ug/l	100
79) 2-Chlorotoluene	11.42	91	1976527	95.510	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2520899	98.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	284714	121.061	ug/l	95
82) 4-Chlorotoluene	11.51	91	2323933	97.899	ug/l	100
83) tert-Butylbenzene	11.77	119	2595611	101.535	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	2592529	96.498	ug/l	99
85) sec-Butylbenzene	11.94	105	3110162	99.231	ug/l	100
86) p-Isopropyltoluene	12.07	119	2795553	101.467	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	1513159	100.145	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1509885	97.362	ug/l	99
89) n-Butylbenzene	12.39	91	2452564	104.598	ug/l	99
90) Hexachloroethane	12.60	117	442082	117.791	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1474812	97.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207204	108.582	ug/l	97

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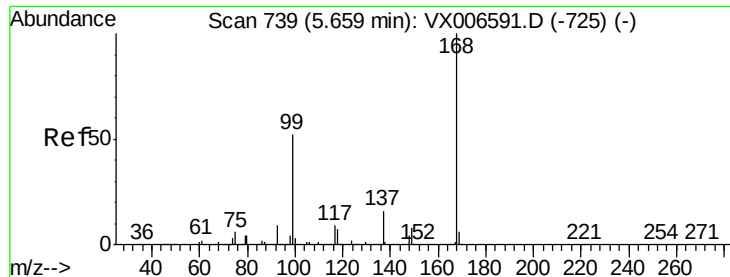
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 00:31:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1085409	104.104	ug/l	99
94) Hexachlorobutadiene	13.78	225	498913	101.522	ug/l	99
95) Naphthalene	13.83	128	3353687	100.781	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1081997	100.511	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

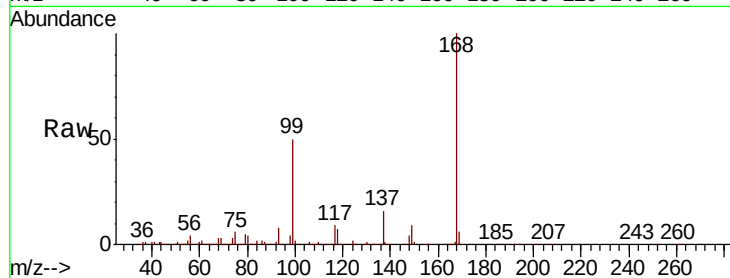
VSTDICC100

Tgt Ion:168 Resp: 616939

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

100000

50000

0

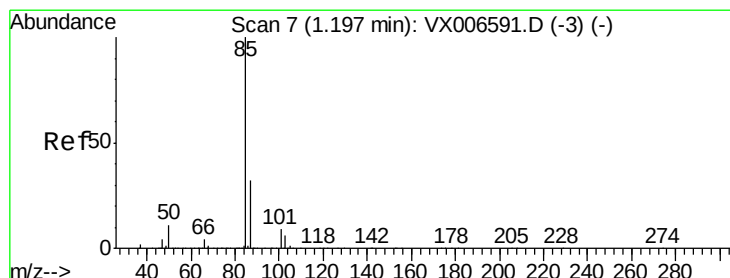
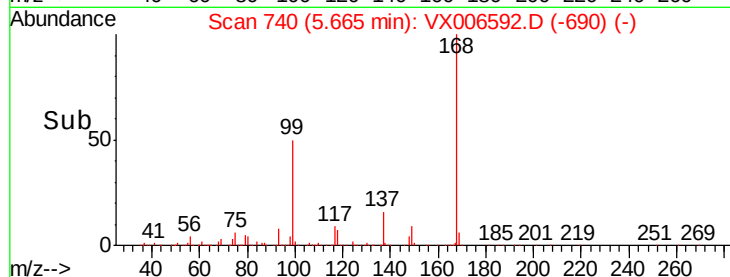
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 93.351 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006592.D

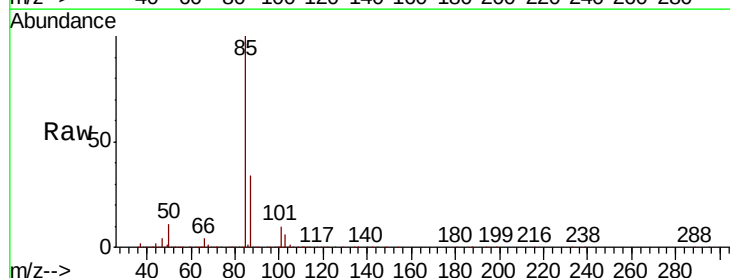
Acq: 18 Dec 2018 12:31

Tgt Ion: 85 Resp: 526866

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

500000

400000

300000

200000

100000

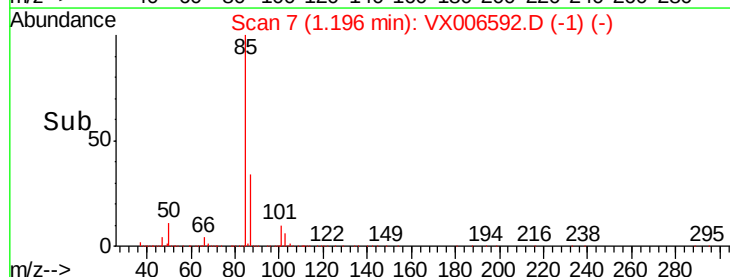
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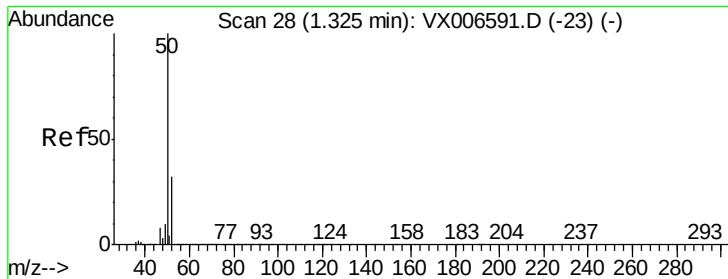
Time-->

1.10

1.20

1.30





#3

Chloromethane

Concen: 93.358 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

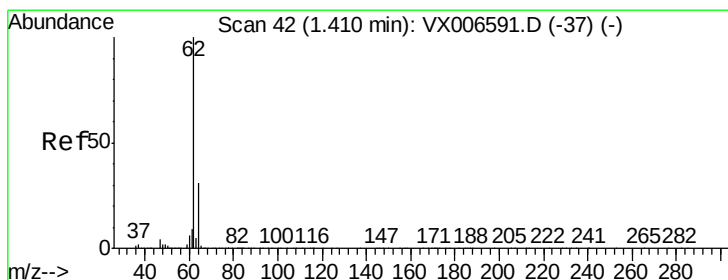
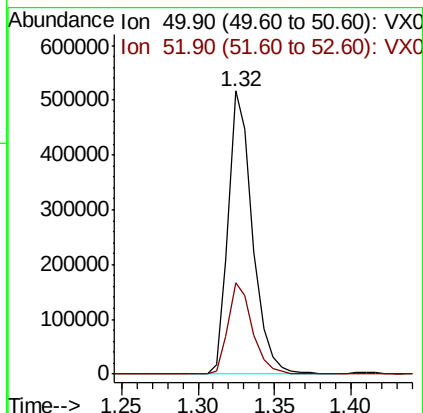
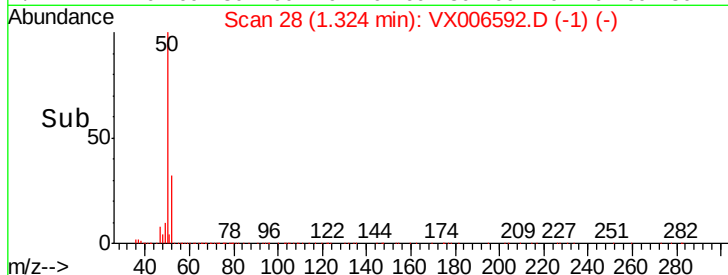
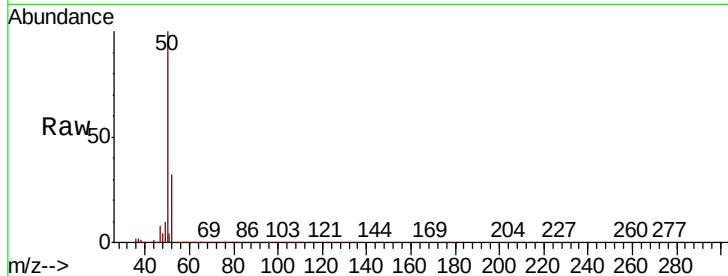
VSTDIC100

Tgt Ion: 50 Resp: 567662

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 95.389 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006592.D

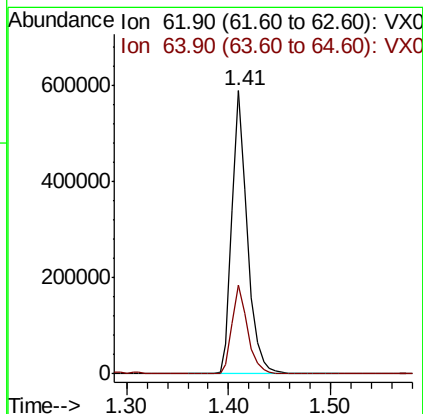
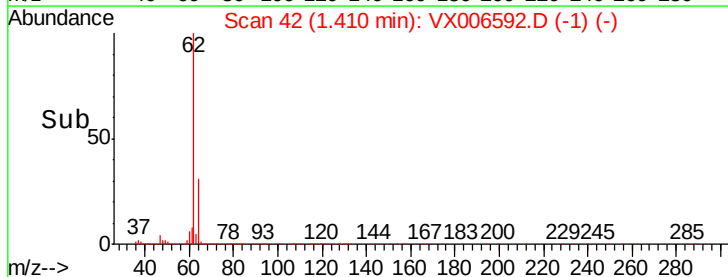
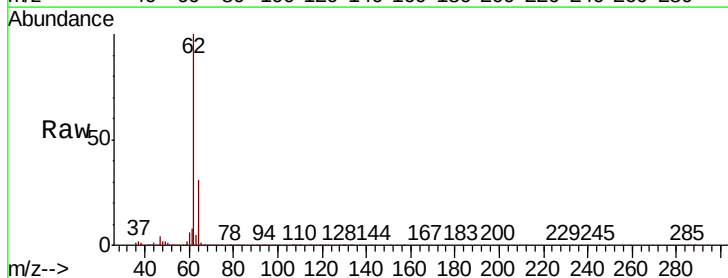
Acq: 18 Dec 2018 12:31

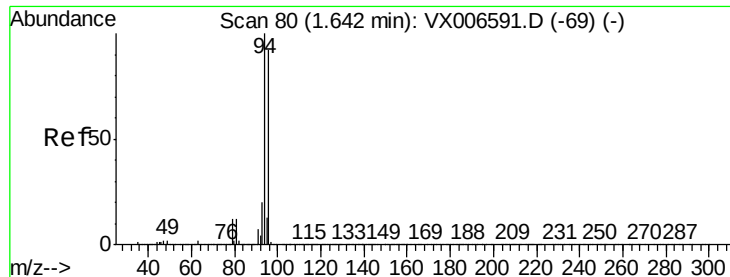
Tgt Ion: 62 Resp: 605765

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 85.382 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

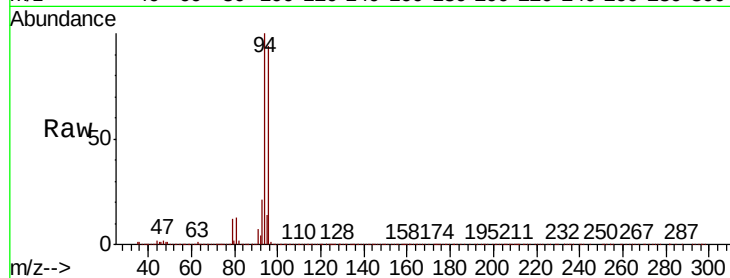
VSTDIC100

Tgt Ion: 94 Resp: 589553

Ion Ratio Lower Upper

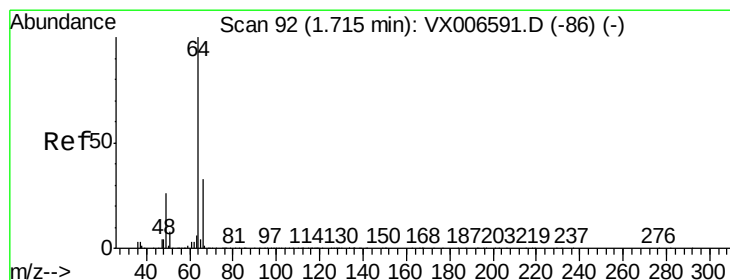
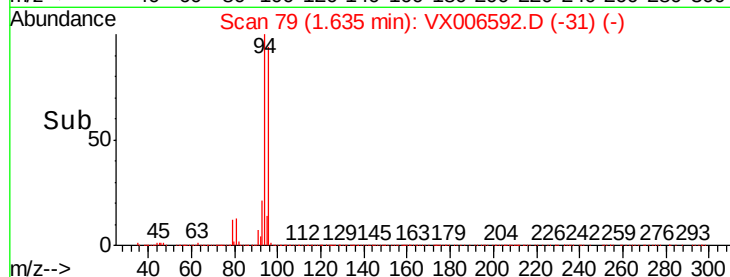
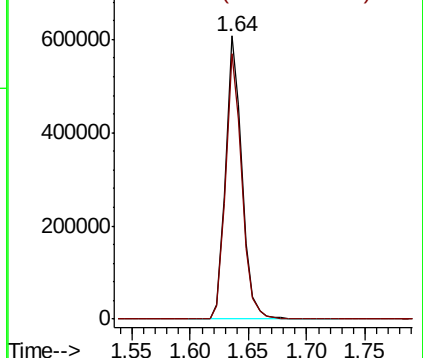
94 100

96 94.0 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: 112.008 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006592.D

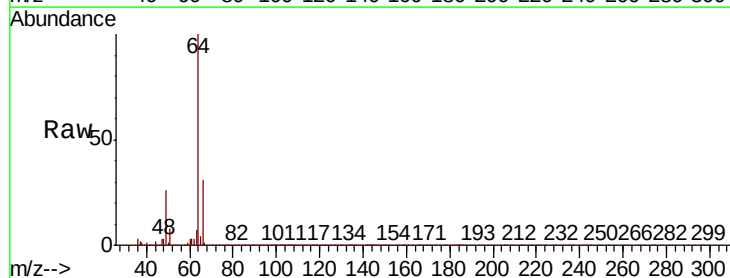
Acq: 18 Dec 2018 12:31

Tgt Ion: 64 Resp: 492517

Ion Ratio Lower Upper

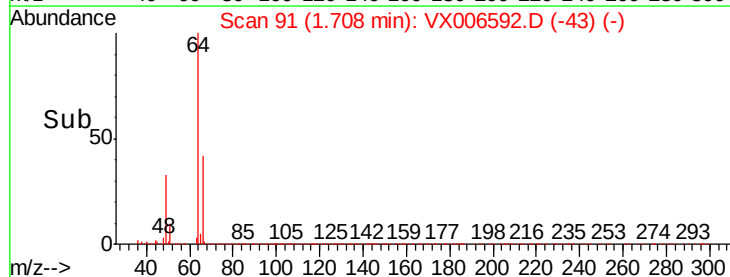
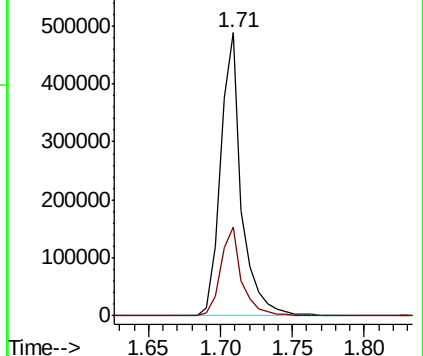
64 100

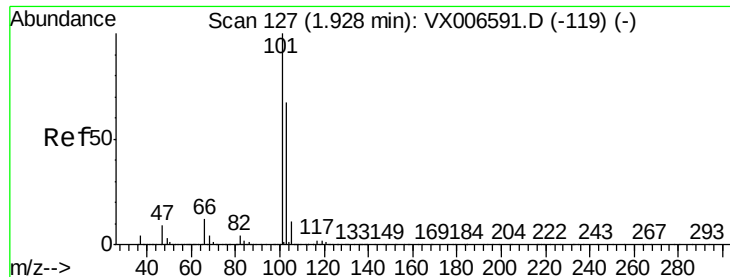
66 31.5 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



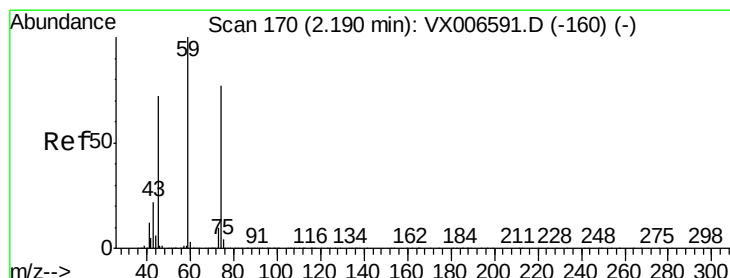
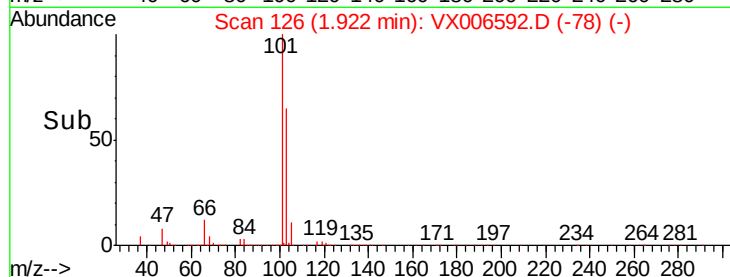
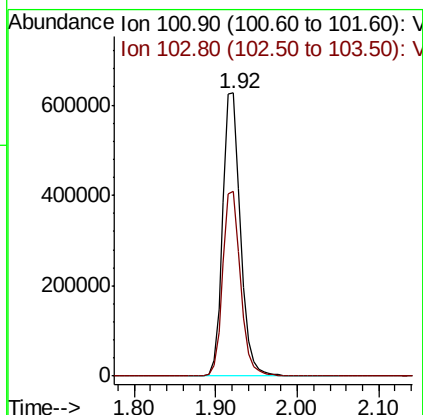
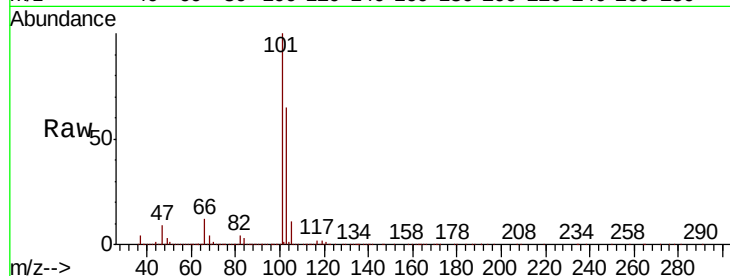


#7

Trichlorofluoromethane
Concen: 95.741 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

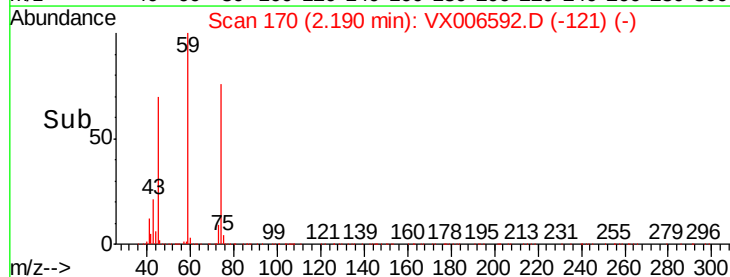
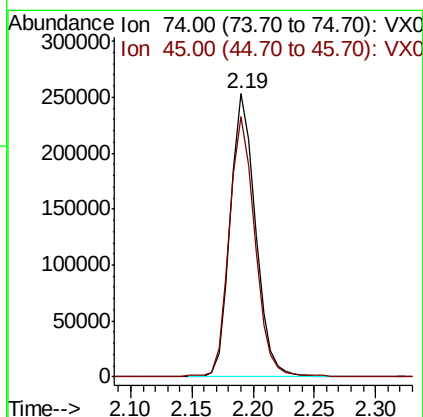
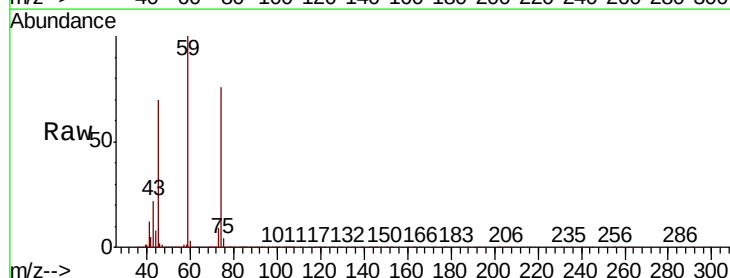
Tgt Ion:101 Resp: 947927
Ion Ratio Lower Upper
101 100
103 65.4 53.2 79.8

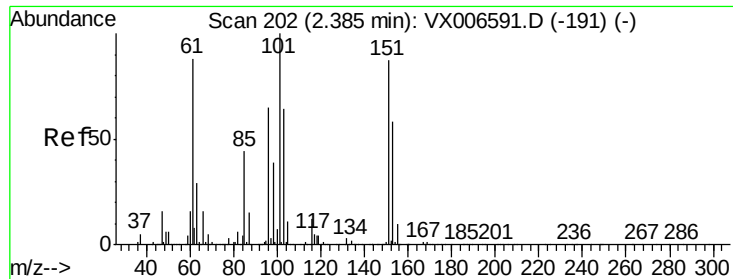


#8

Diethyl Ether
Concen: 91.674 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 74 Resp: 360512
Ion Ratio Lower Upper
74 100
45 93.2 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.512 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

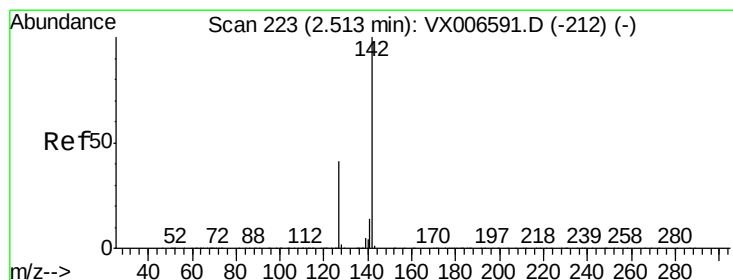
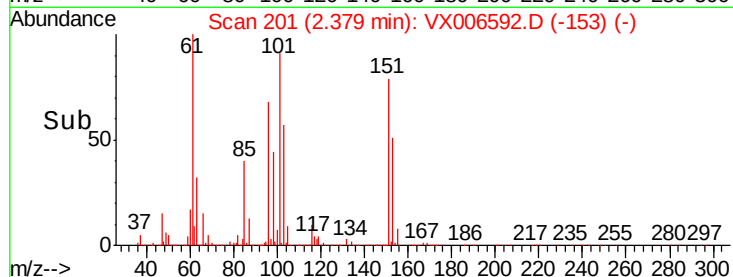
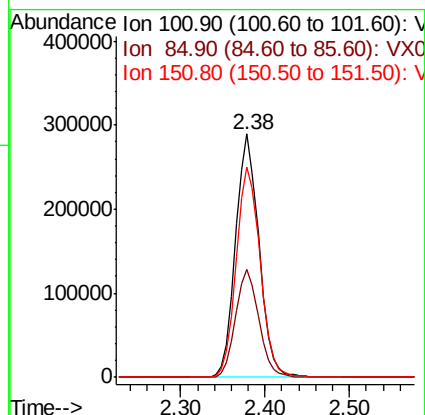
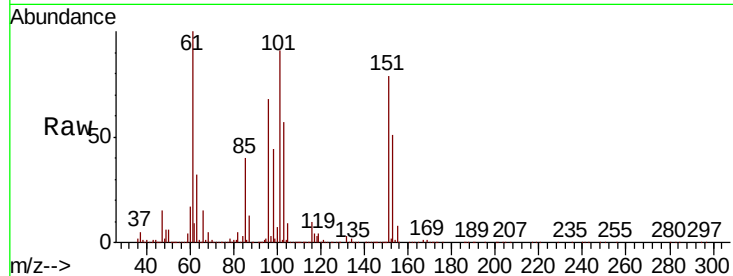
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	543619
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	88.2	68.9	103.3



#10

Methyl Iodide

Concen: 106.744 ug/l

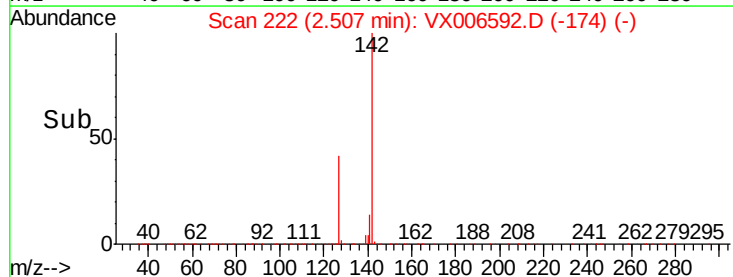
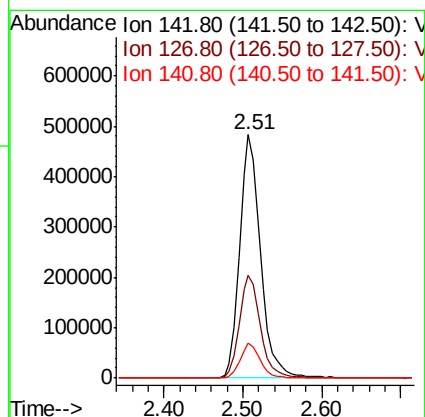
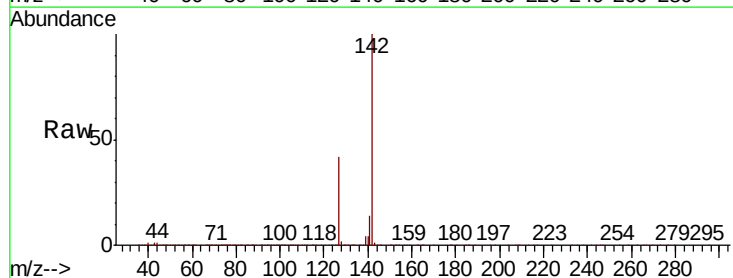
RT: 2.51 min Scan# 222

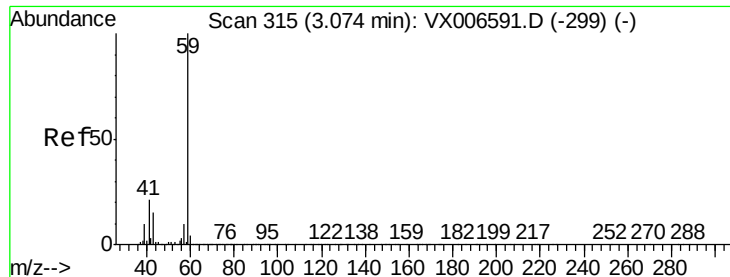
Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	142	Resp:	888277
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	14.0	11.4	17.0

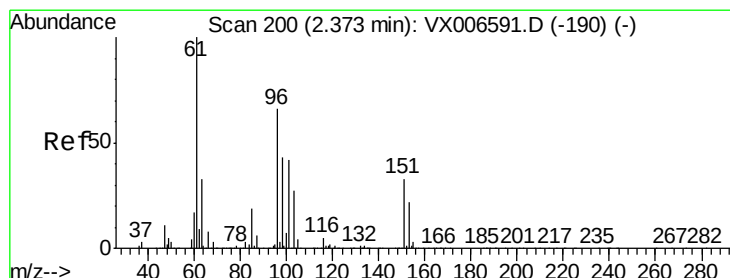
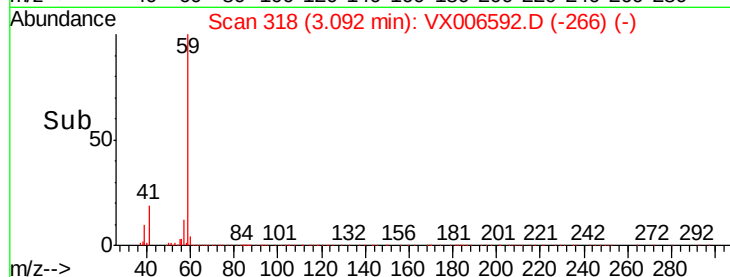
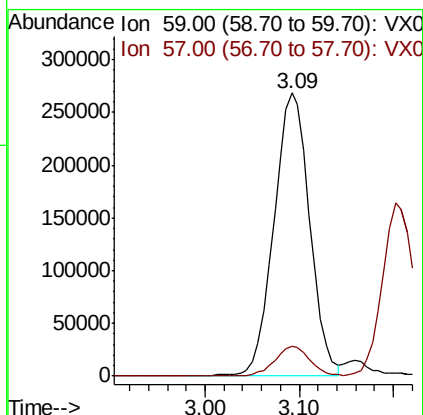
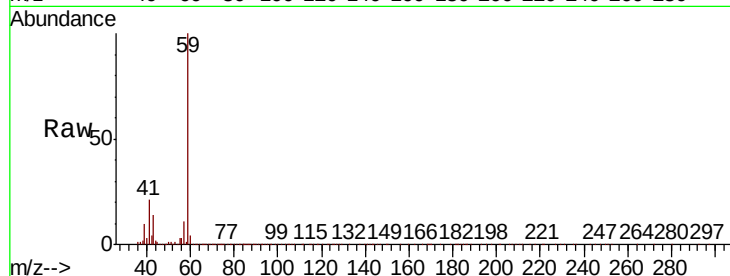




#11
Tert butyl alcohol
Concen: 479.935 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

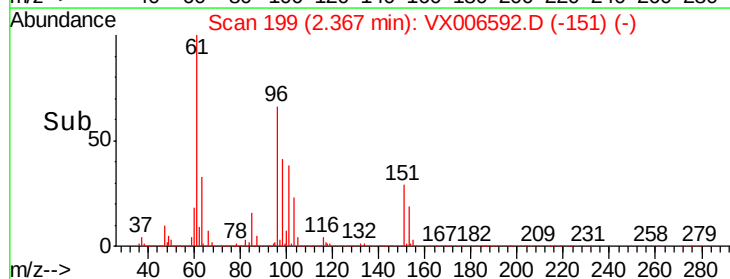
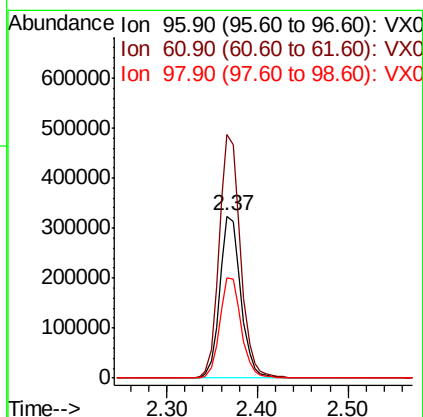
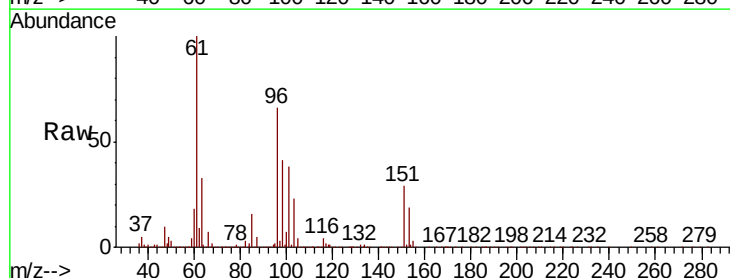
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

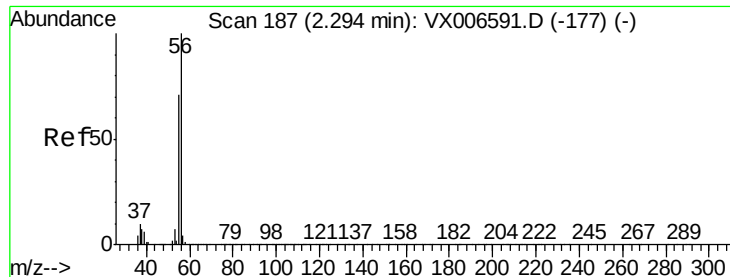
Tgt Ion: 59 Resp: 712175
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 94.896 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 96 Resp: 523084
Ion Ratio Lower Upper
96 100
61 150.5 121.4 182.2
98 61.9 51.9 77.9

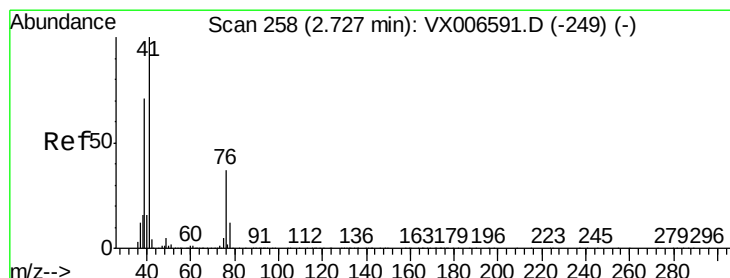
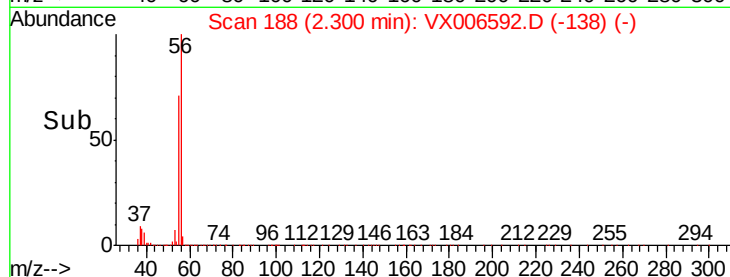
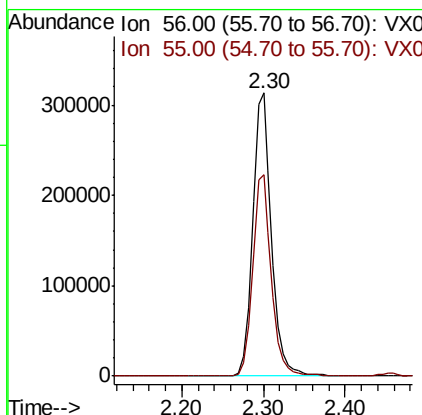
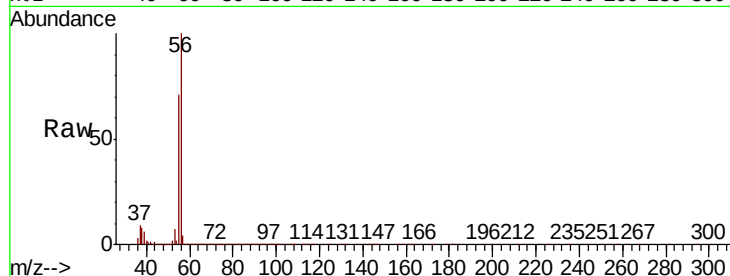




#13
Acrolein
Concen: 502.816 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

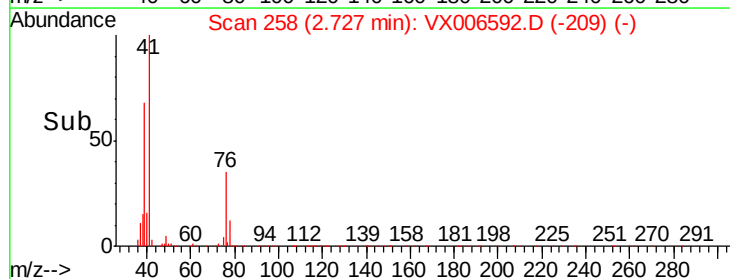
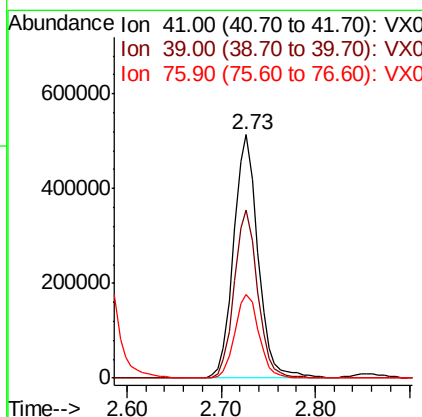
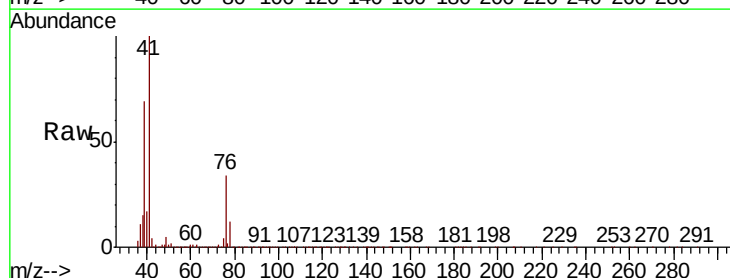
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

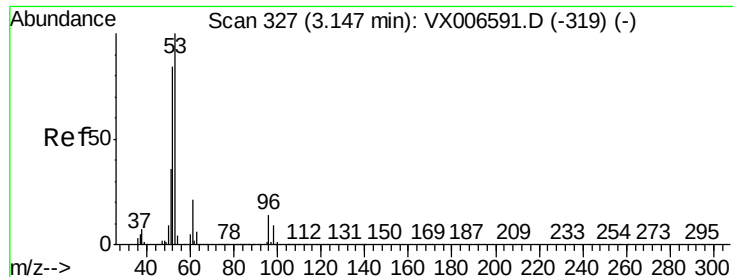
Tgt Ion: 56 Resp: 503343
Ion Ratio Lower Upper
56 100
55 71.0 58.2 87.4



#14
Allyl chloride
Concen: 99.609 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 41 Resp: 924203
Ion Ratio Lower Upper
41 100
39 66.6 53.6 80.4
76 34.1 27.4 41.2





#15

Acrylonitrile

Concen: 498.374 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

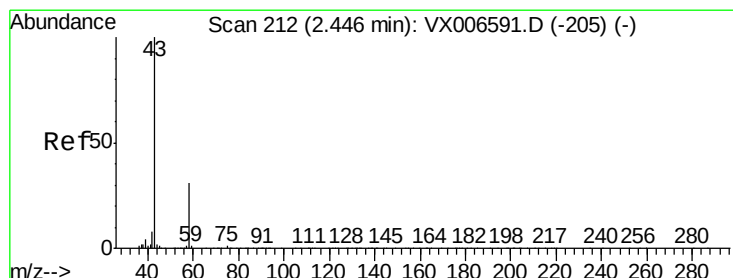
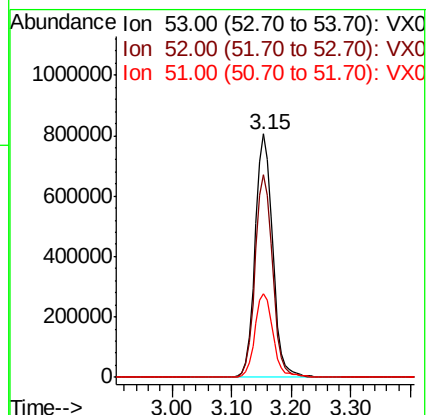
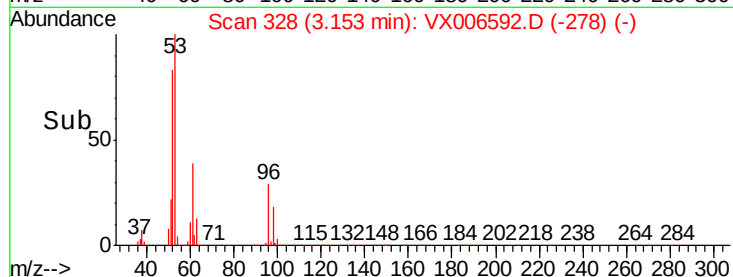
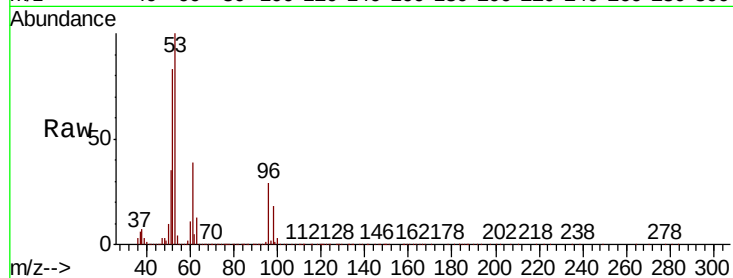
Tgt Ion: 53 Resp: 1642001

Ion Ratio Lower Upper

53 100

52 82.1 66.0 99.0

51 35.7 28.6 42.8



#16

Acetone

Concen: 459.362 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006592.D

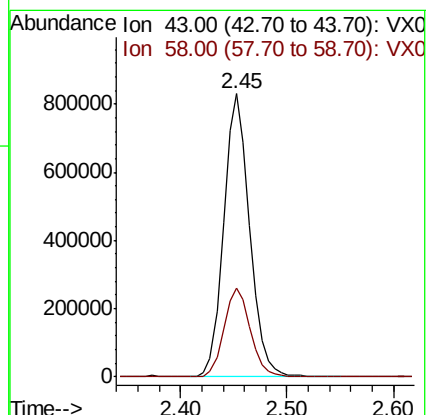
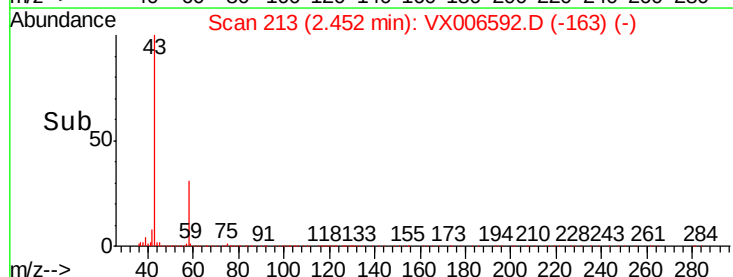
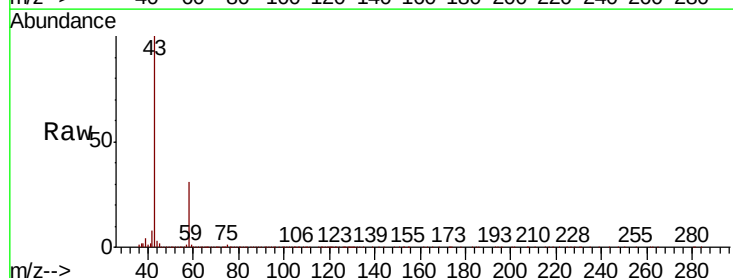
Acq: 18 Dec 2018 12:31

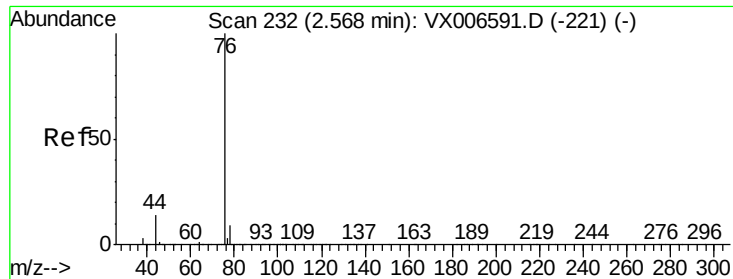
Tgt Ion: 43 Resp: 1403261

Ion Ratio Lower Upper

43 100

58 31.2 25.0 37.6





#17

Carbon Disulfide

Concen: 98.487 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

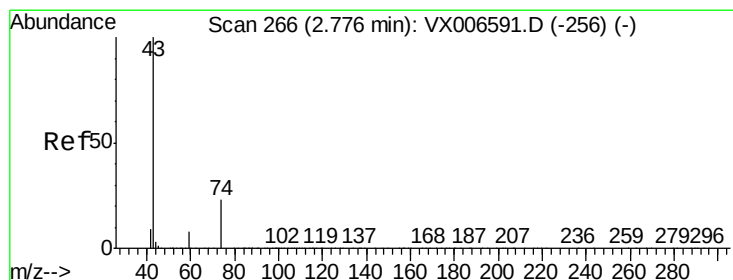
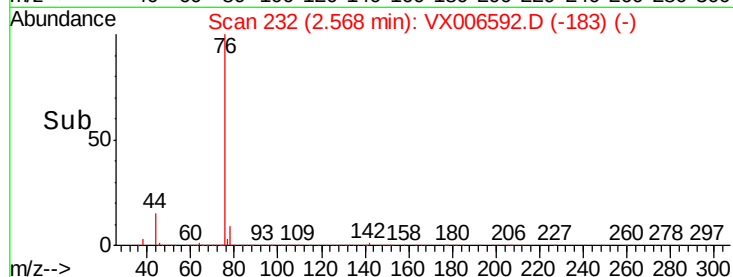
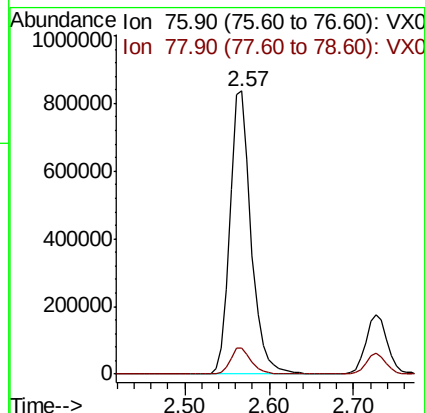
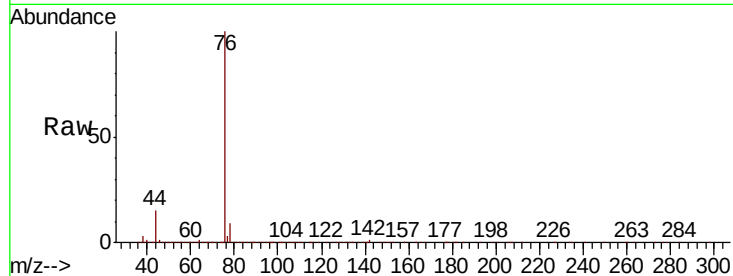
VSTDIC100

Tgt Ion: 76 Resp: 1436655

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



#18

Methyl Acetate

Concen: 96.363 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006592.D

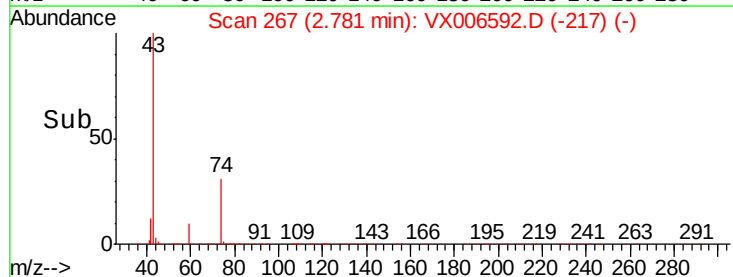
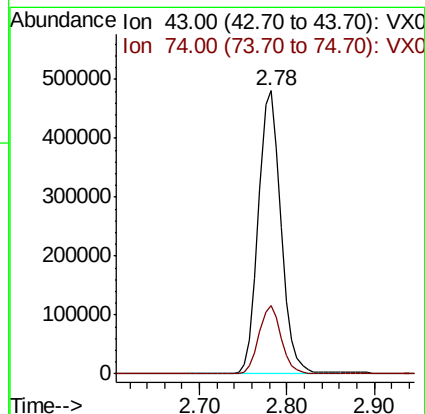
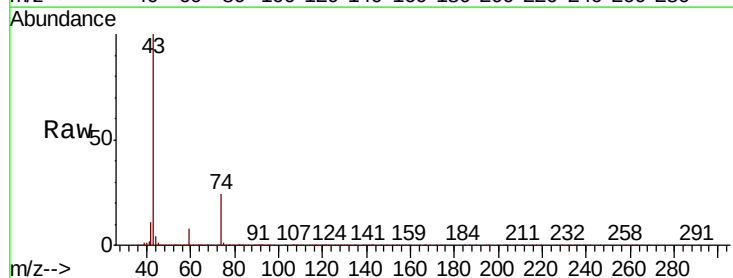
Acq: 18 Dec 2018 12:31

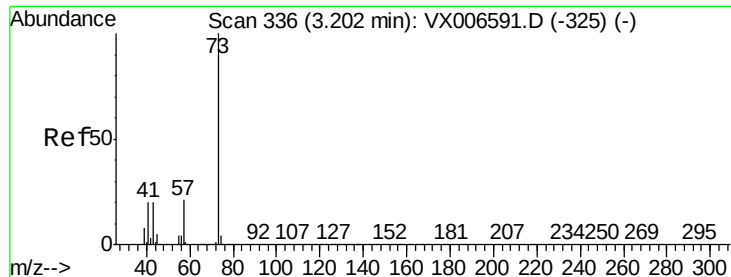
Tgt Ion: 43 Resp: 865592

Ion Ratio Lower Upper

43 100

74 23.8 18.6 28.0

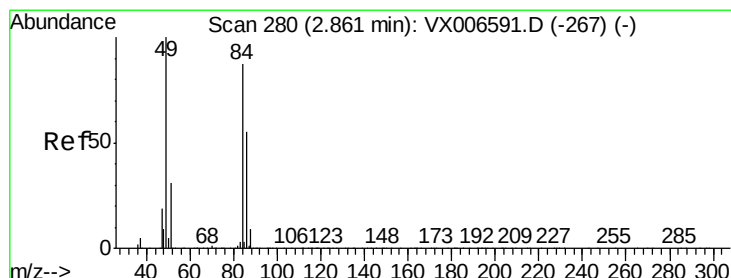
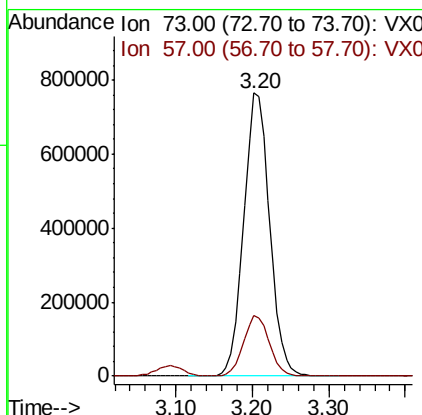
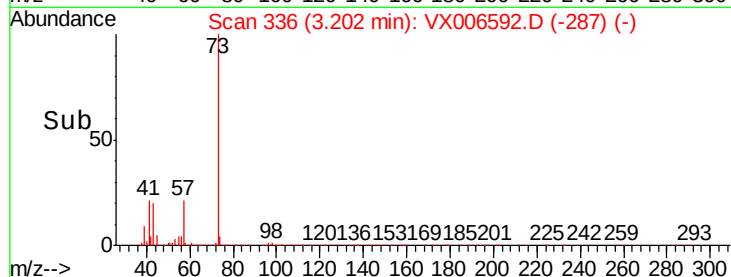
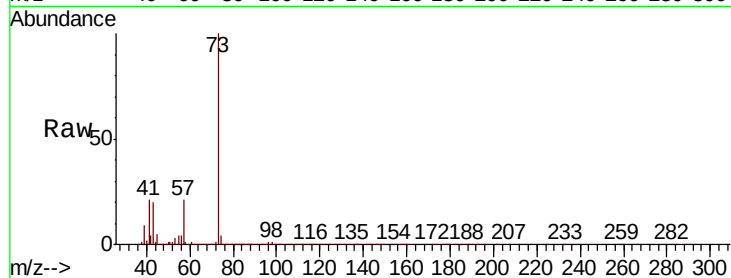




#19
Methyl tert-butyl Ether
Concen: 98.410 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

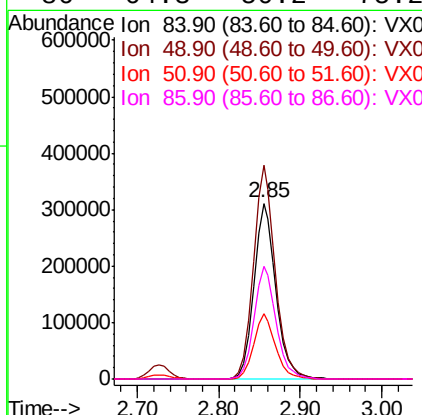
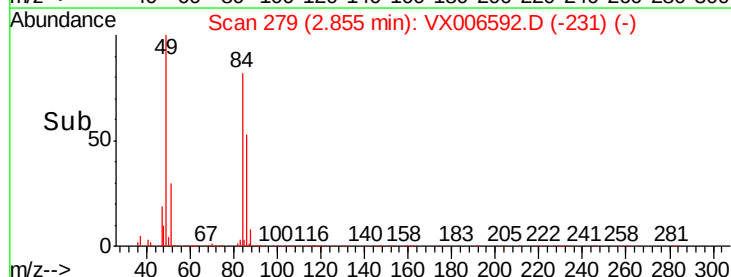
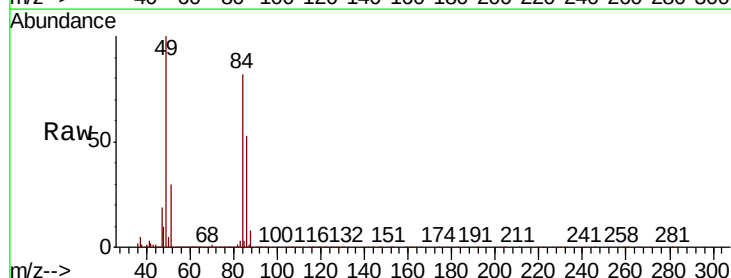
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

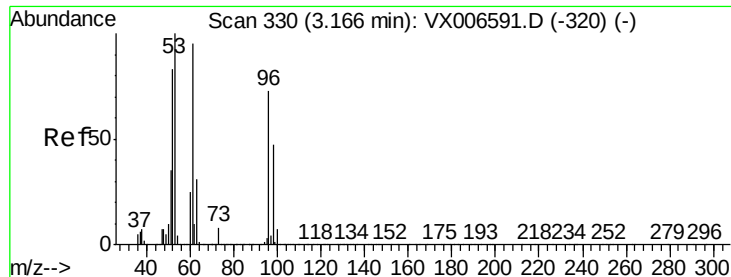
Tgt Ion: 73 Resp: 1800403
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 92.772 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 84 Resp: 586025
Ion Ratio Lower Upper
84 100
49 121.5 91.8 137.6
51 37.0 28.5 42.7
86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 92.652 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

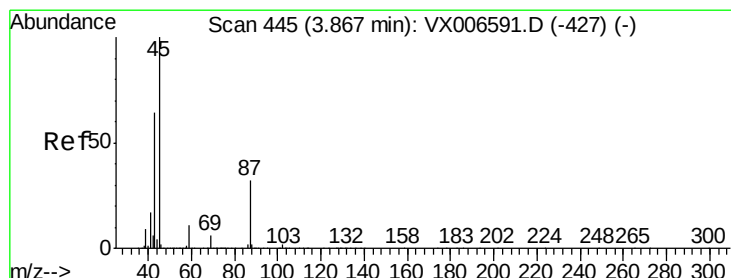
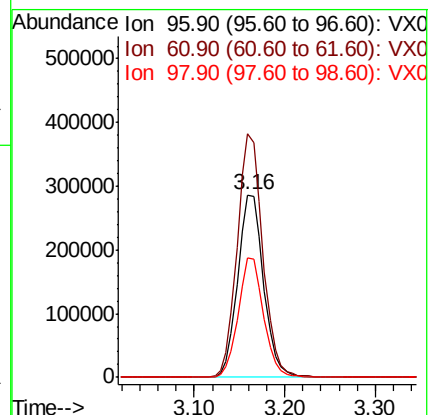
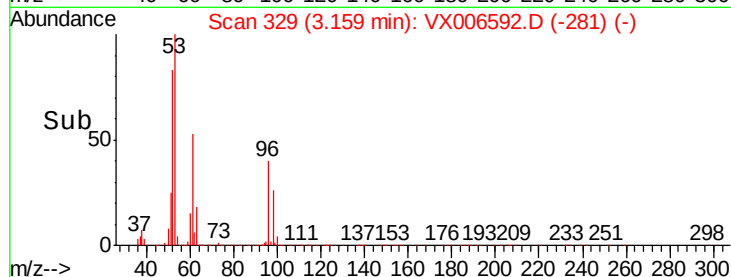
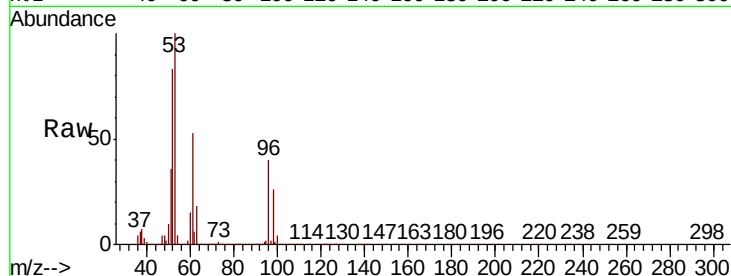
Tgt Ion: 96 Resp: 565874

Ion Ratio Lower Upper

96 100

61 133.2 103.7 155.5

98 65.0 51.0 76.6



#22

Diisopropyl ether

Concen: 98.319 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion: 45 Resp: 1668875

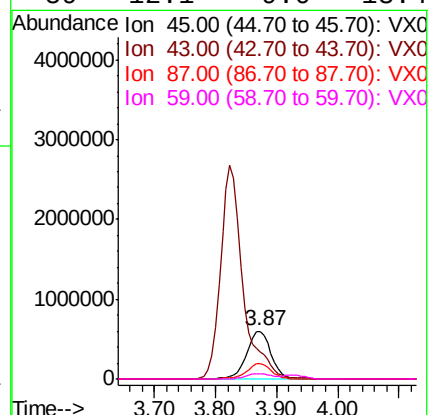
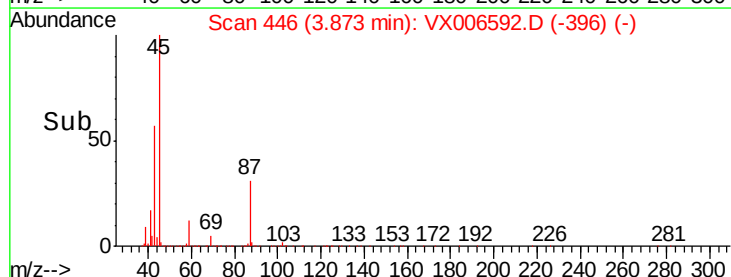
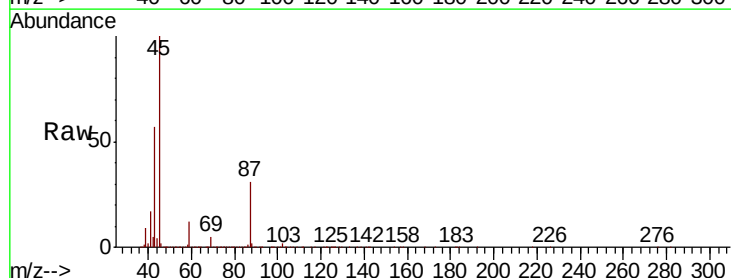
Ion Ratio Lower Upper

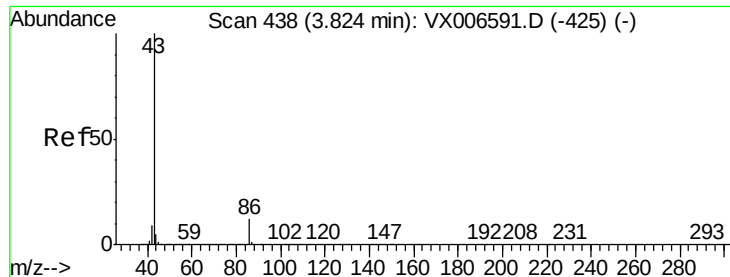
45 100

43 56.6 51.2 76.8

87 31.1 25.8 38.6

59 12.1 9.0 13.4





#23

Vinyl Acetate

Concen: 497.062 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

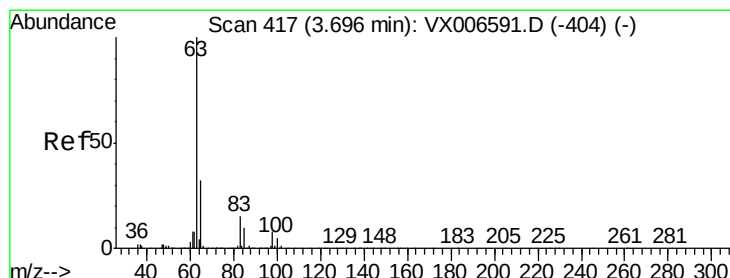
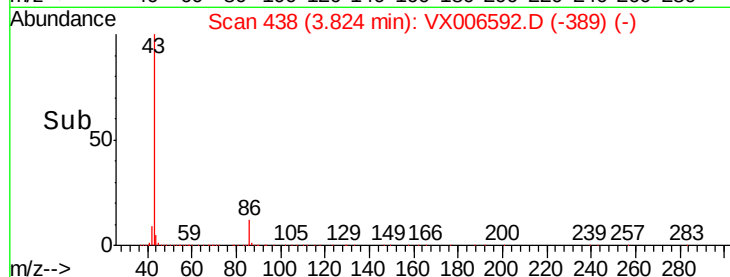
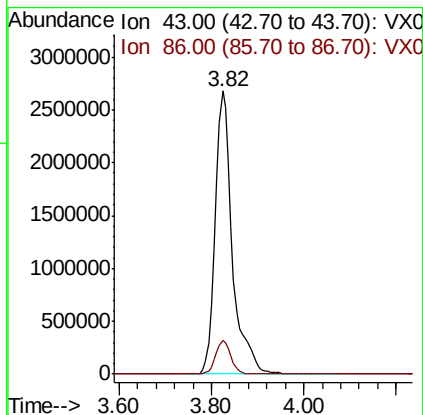
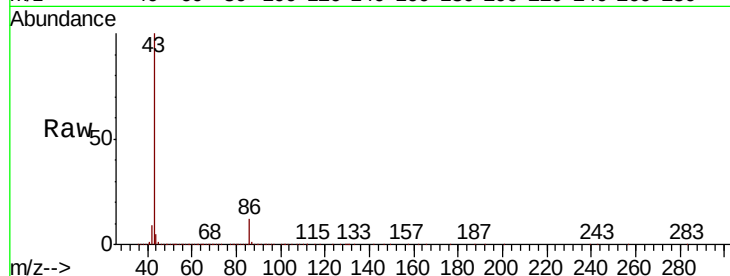
VSTDIC100

Tgt Ion: 43 Resp: 6901338

Ion Ratio Lower Upper

43 100

86 11.9 9.2 13.8



#24

1,1-Dichloroethane

Concen: 92.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

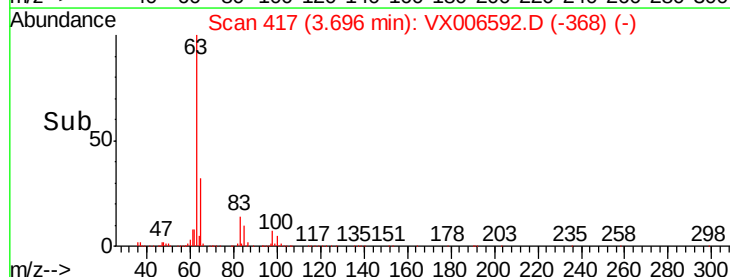
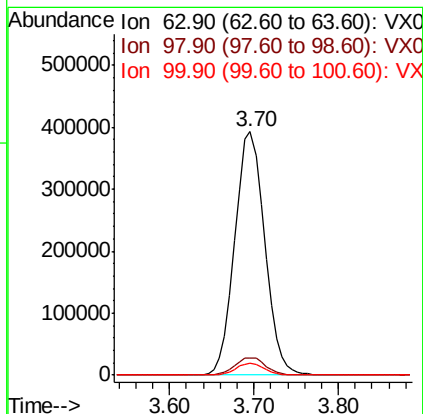
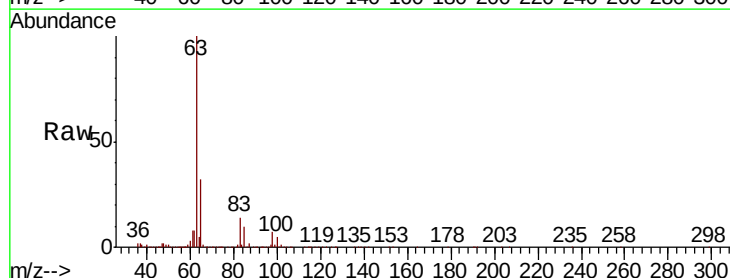
Tgt Ion: 63 Resp: 942305

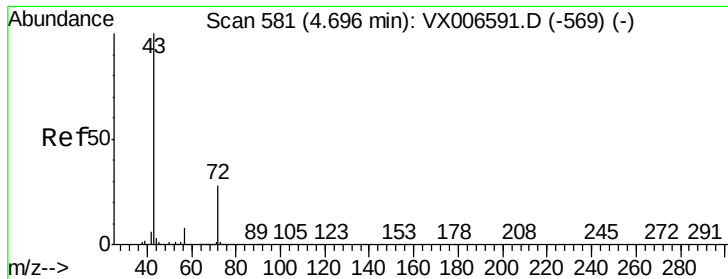
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 472.537 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

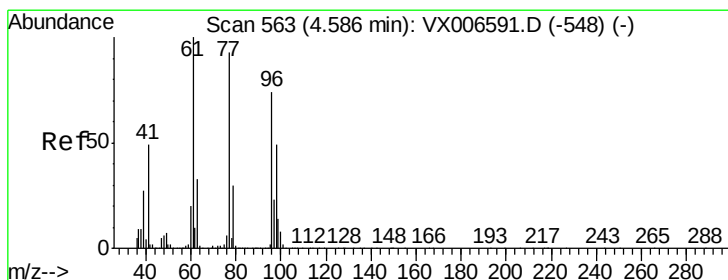
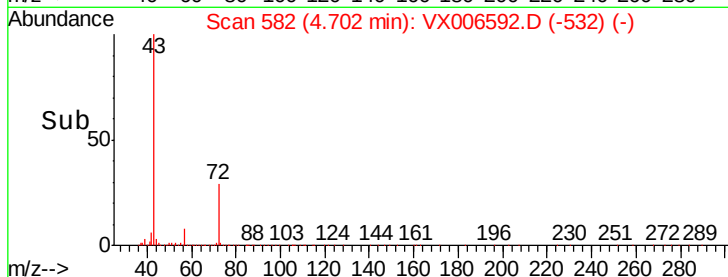
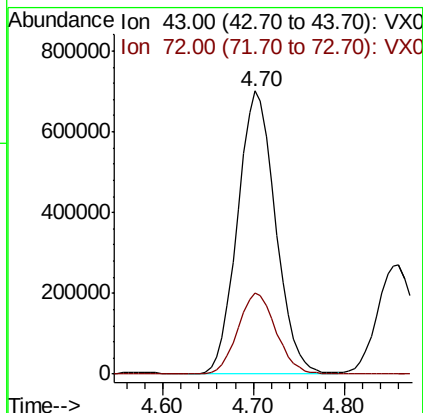
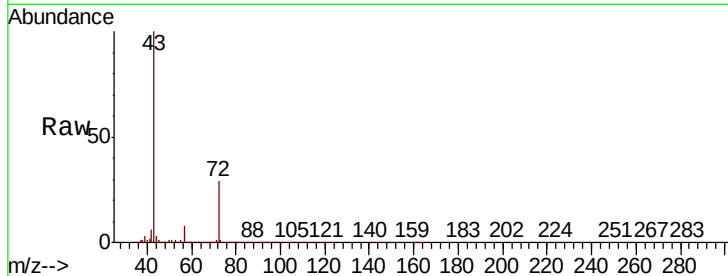
VSTDIC100

Tgt Ion: 43 Resp: 2030473

Ion Ratio Lower Upper

43 100

72 28.5 22.4 33.6



#26

2,2-Dichloropropane

Concen: 99.081 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006592.D

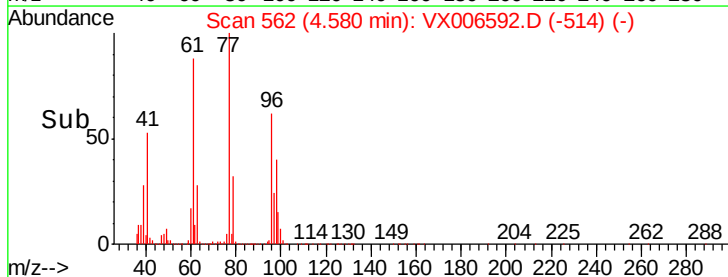
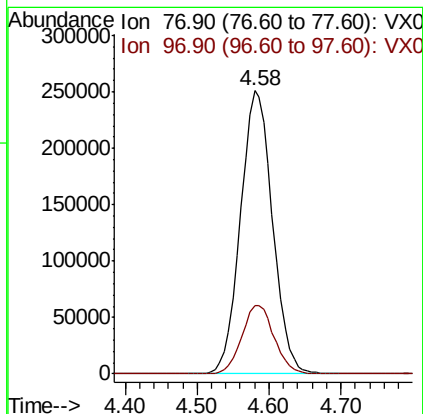
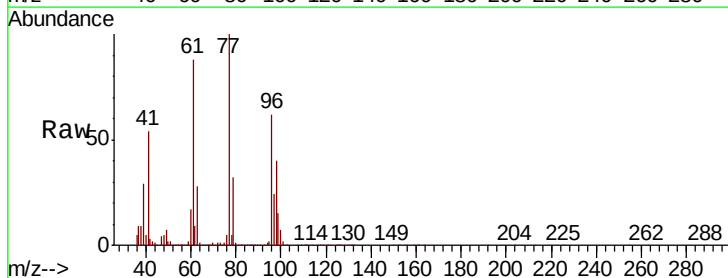
Acq: 18 Dec 2018 12:31

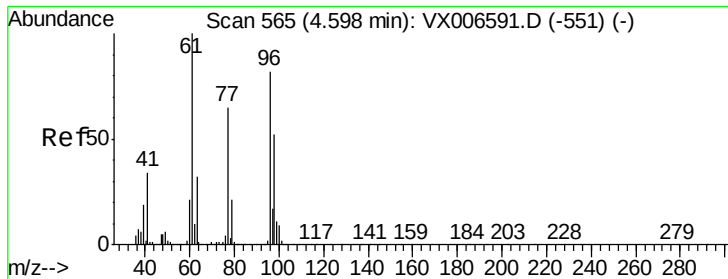
Tgt Ion: 77 Resp: 775525

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4



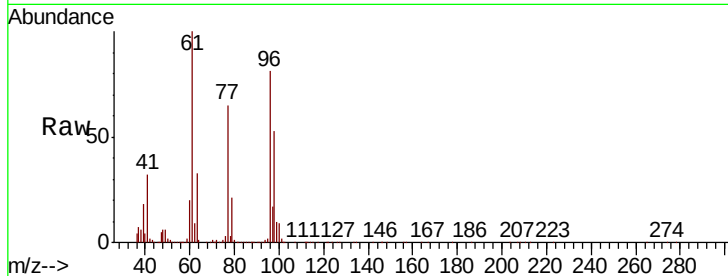


#27

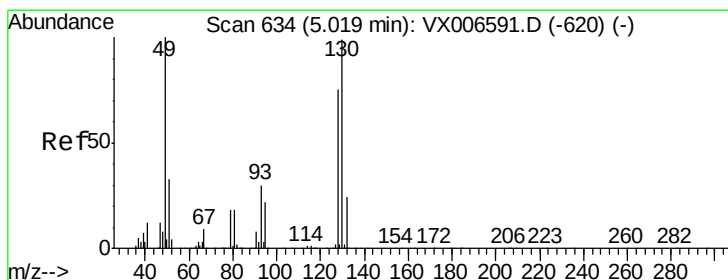
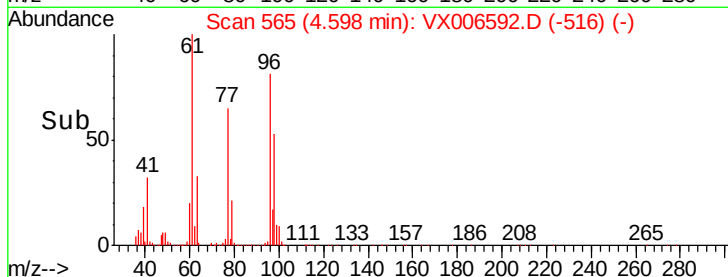
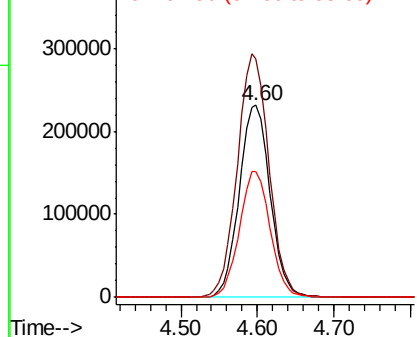
cis-1,2-Dichloroethene
Concen: 96.485 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	258.6
98	65.5	0.0	132.0



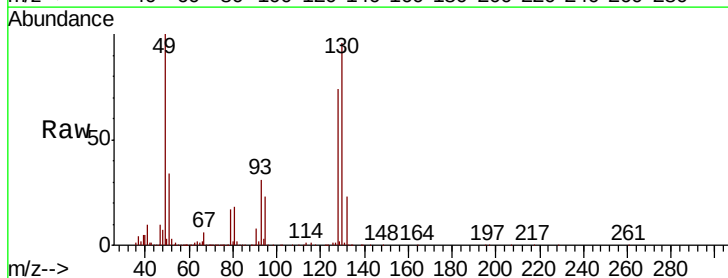
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



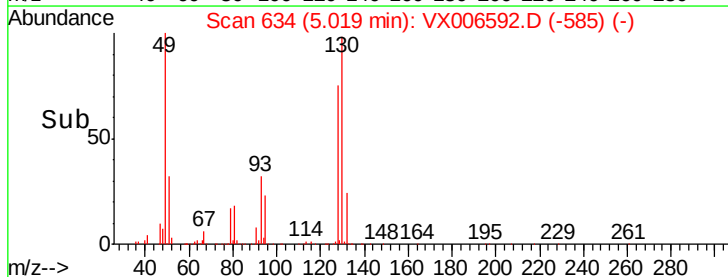
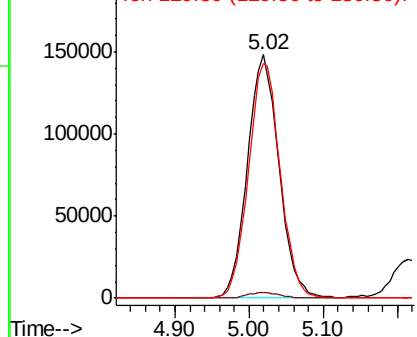
#28

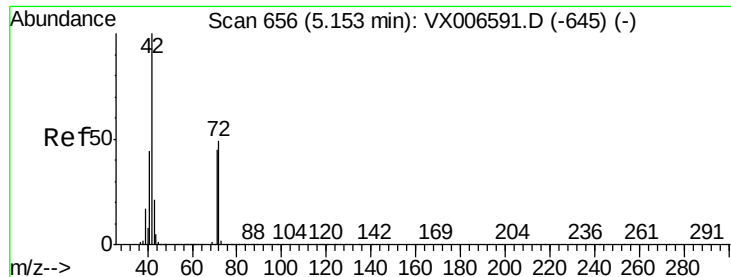
Bromochloromethane
Concen: 94.606 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	97.3	77.7	116.5



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





#29

Tetrahydrofuran

Concen: 482.111 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

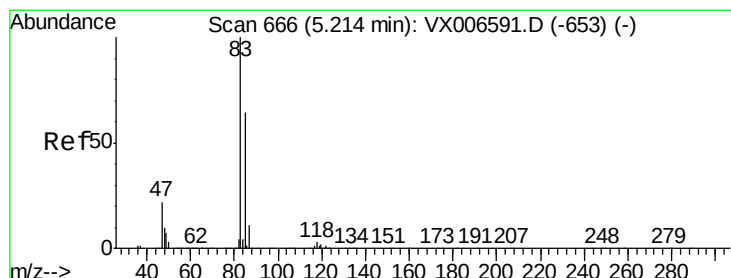
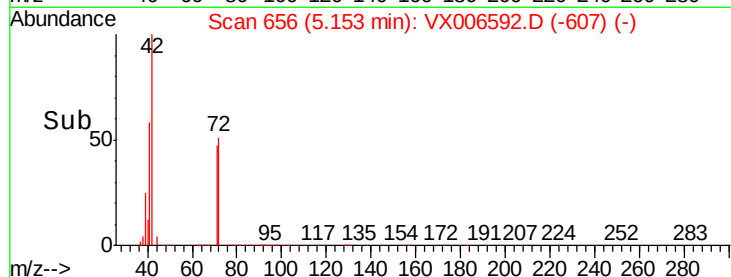
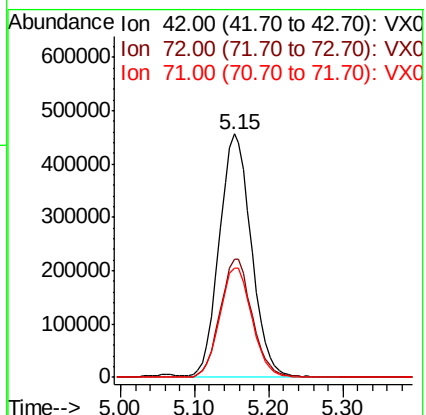
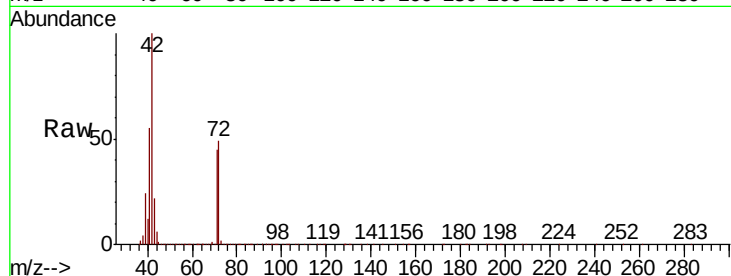
Tgt Ion: 42 Resp: 1364431

Ion Ratio Lower Upper

42 100

72 48.8 38.9 58.3

71 45.3 36.2 54.4



#30

Chloroform

Concen: 97.155 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006592.D

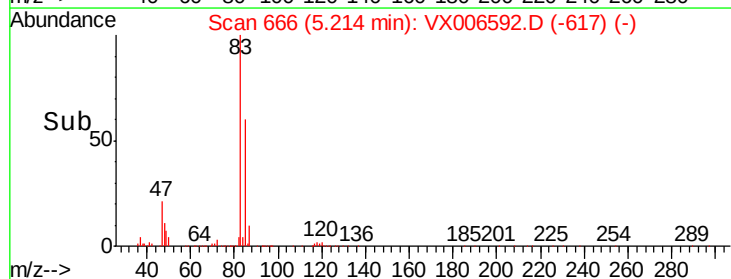
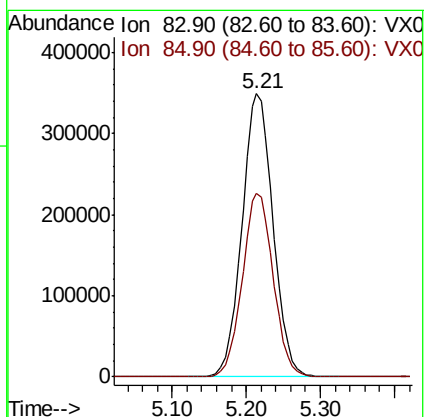
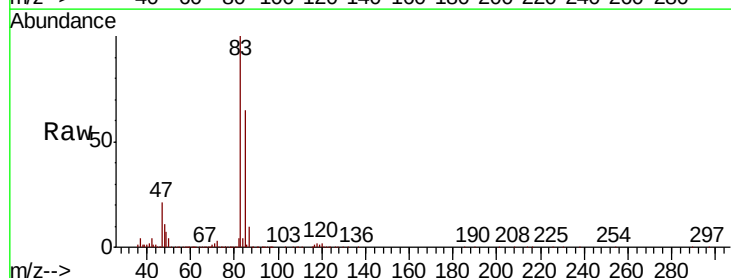
Acq: 18 Dec 2018 12:31

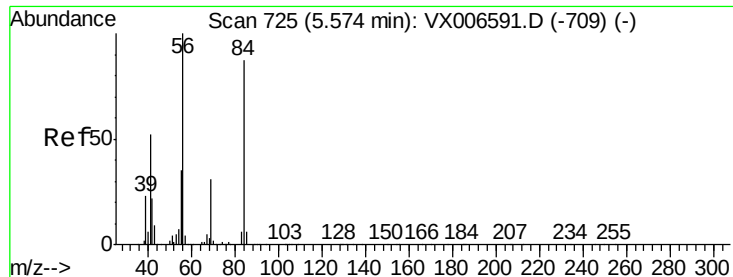
Tgt Ion: 83 Resp: 1019448

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

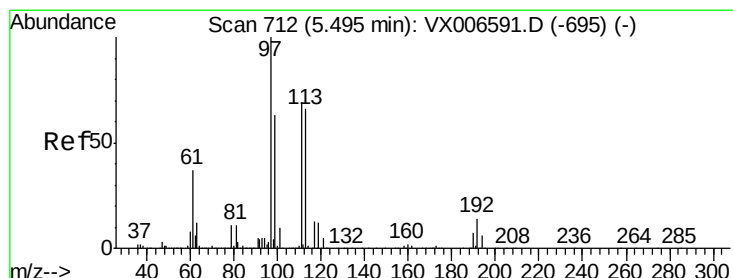
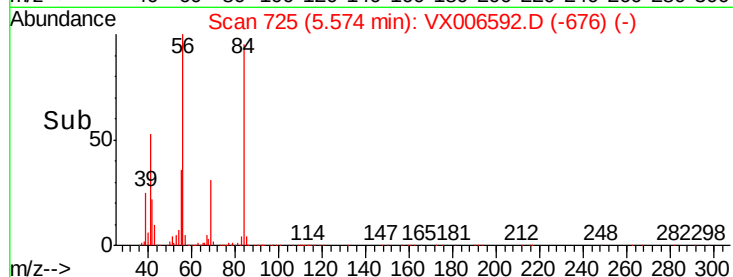
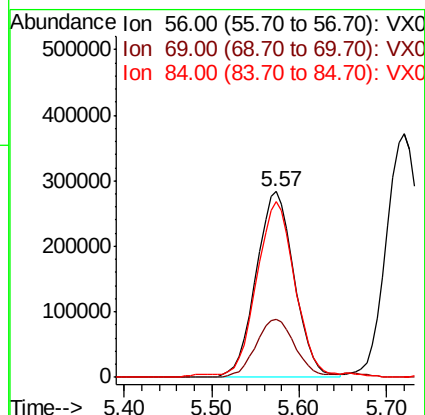
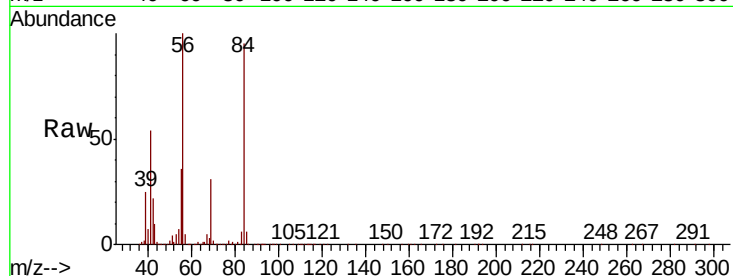




#31
Cyclohexane
Concen: 93.450 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

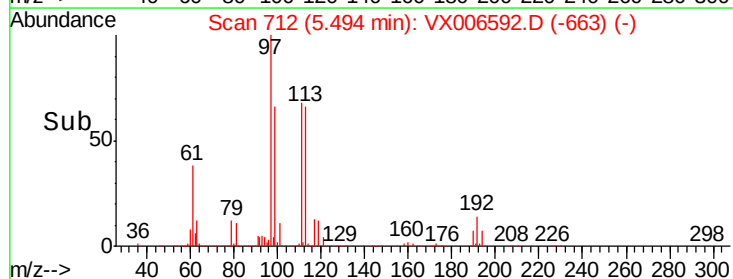
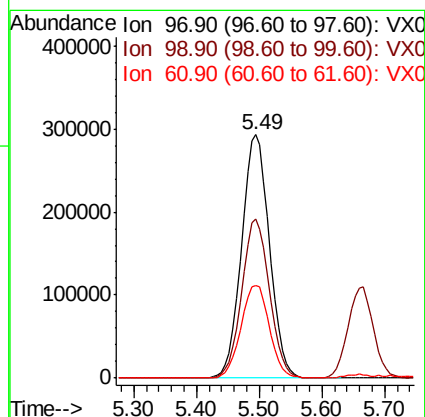
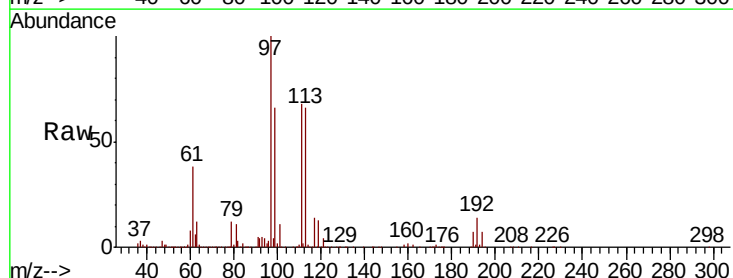
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

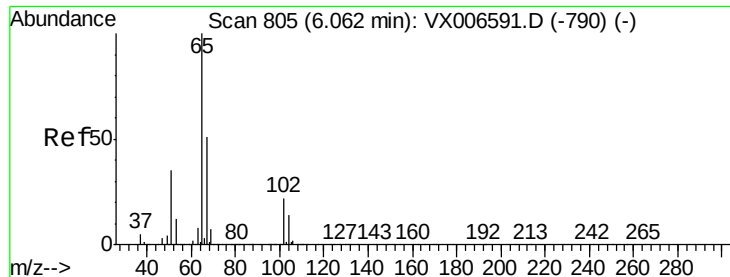
Tgt Ion: 56 Resp: 860244
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 93.4 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 101.533 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 97 Resp: 899595
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 39.2 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 95.828 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

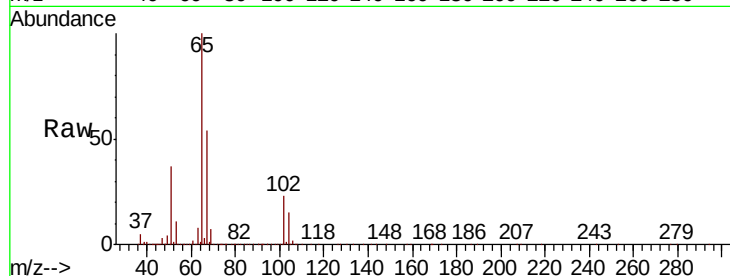
VSTDIC100

Tgt Ion: 65 Resp: 637167

Ion Ratio Lower Upper

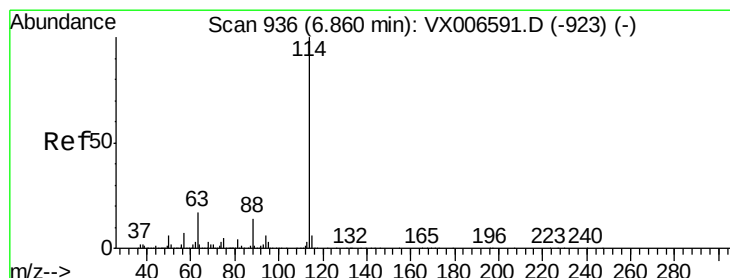
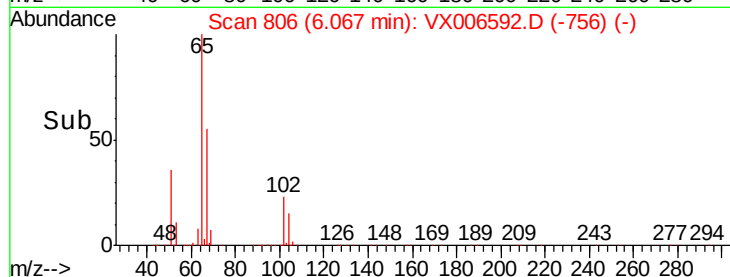
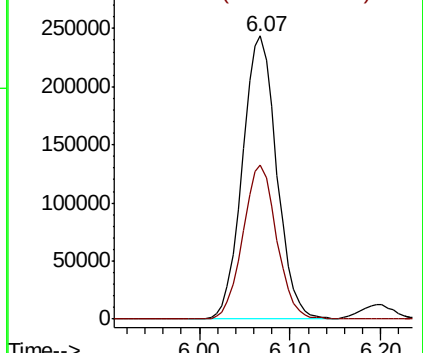
65 100

67 53.5 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: VX006592.D

Acq: 18 Dec 2018 12:31

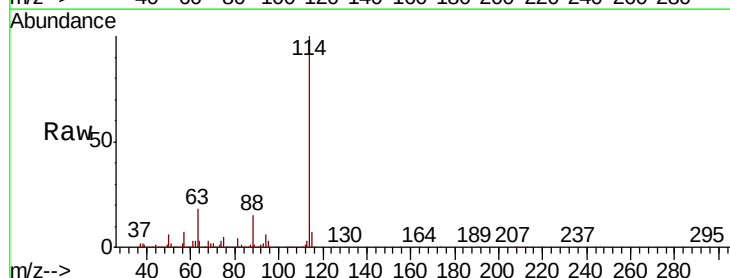
Tgt Ion: 114 Resp: 930505

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

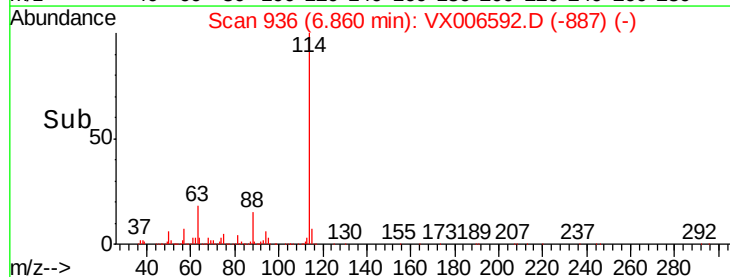
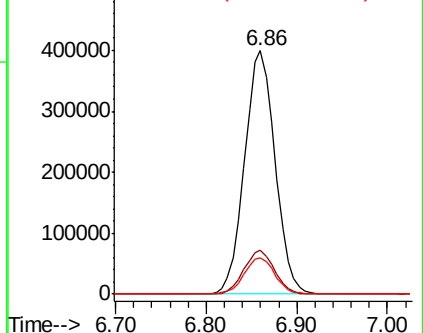
88 14.8 0.0 28.8

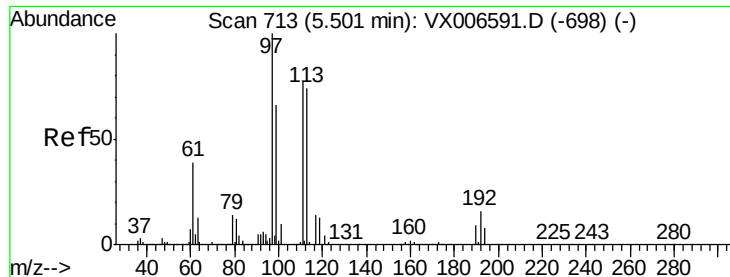


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 100.501 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

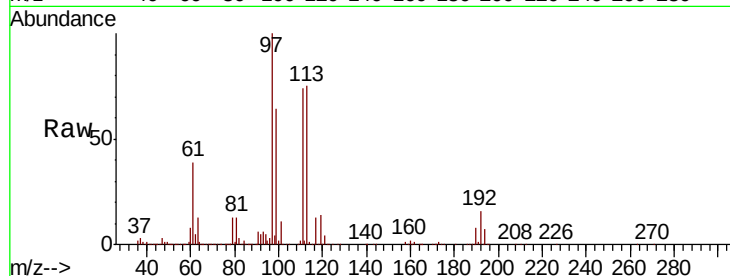
Tgt Ion:113 Resp: 591379

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

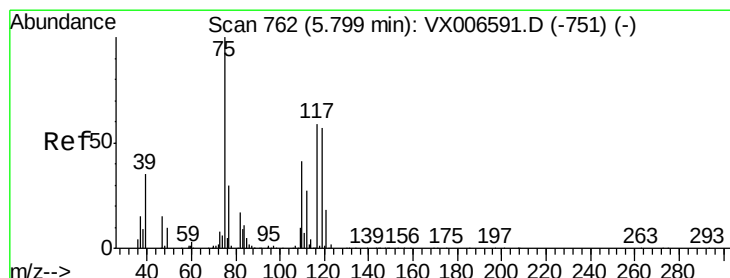
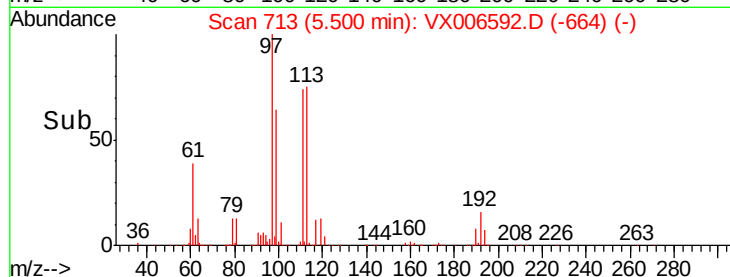
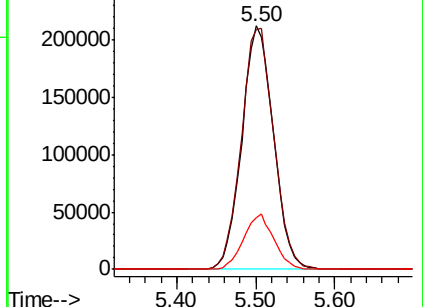
192 21.9 16.7 25.1



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: 98.399 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

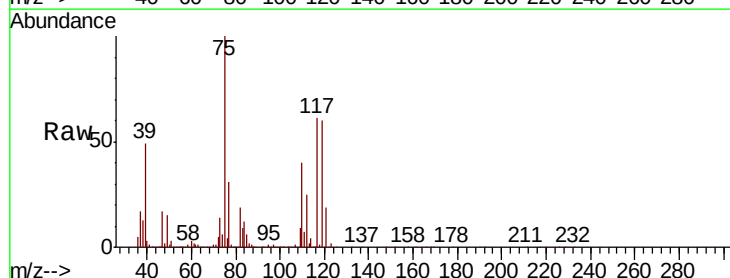
Tgt Ion: 75 Resp: 758335

Ion Ratio Lower Upper

75 100

110 40.4 20.2 60.5

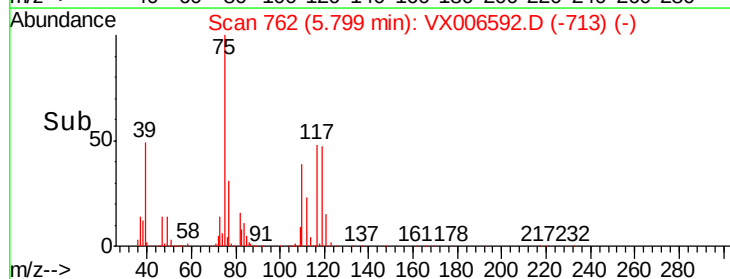
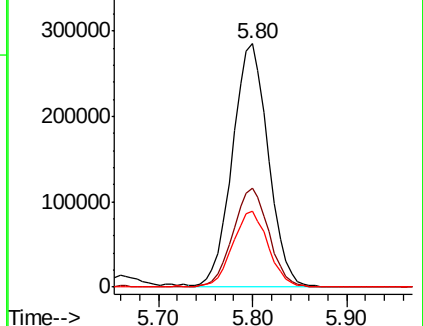
77 30.9 24.8 37.2

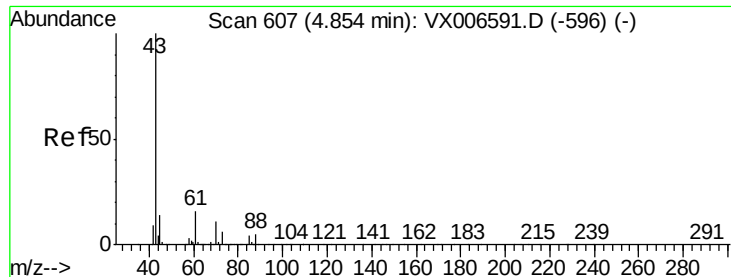


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

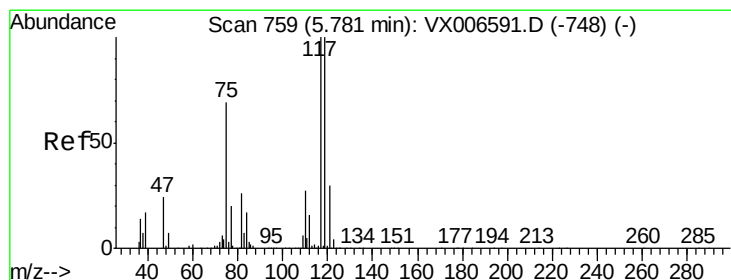
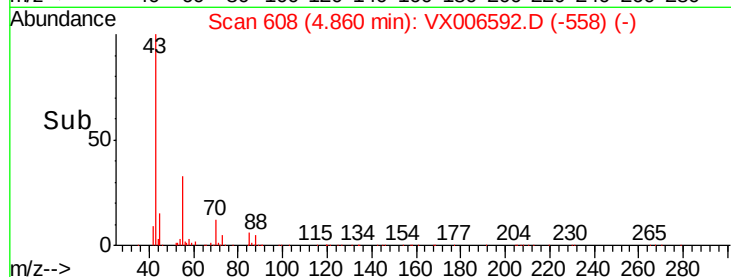
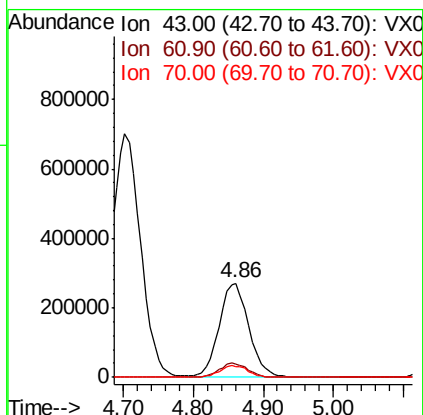
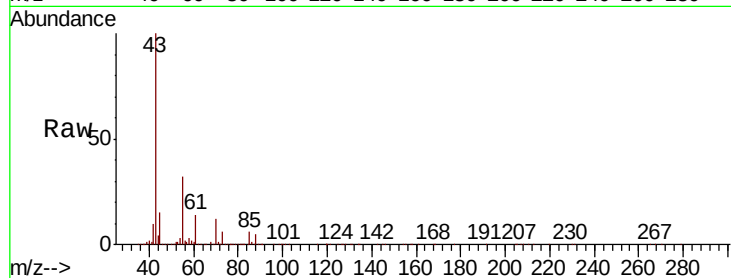




#37
Ethyl Acetate
Concen: 99.032 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

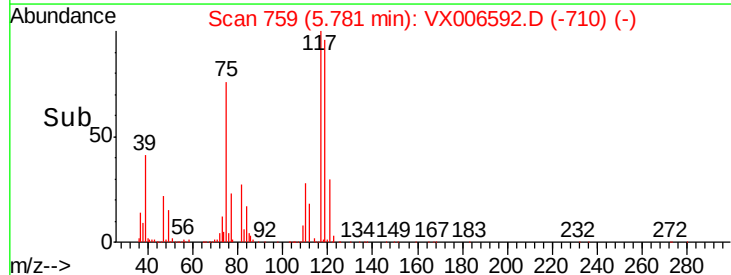
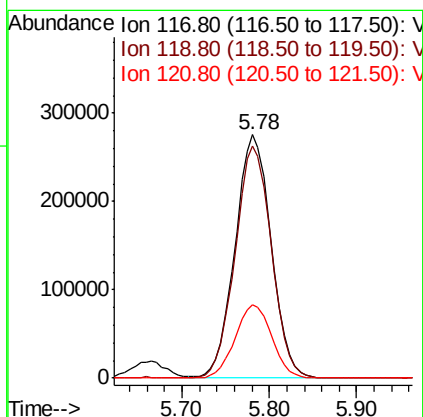
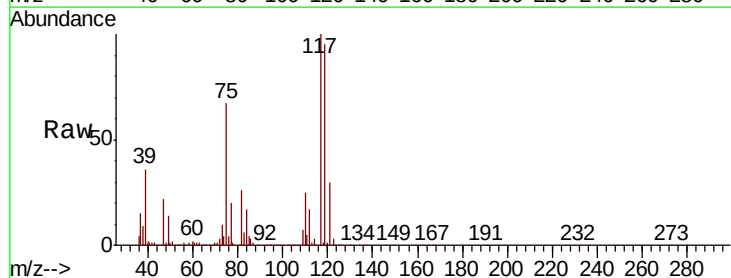
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

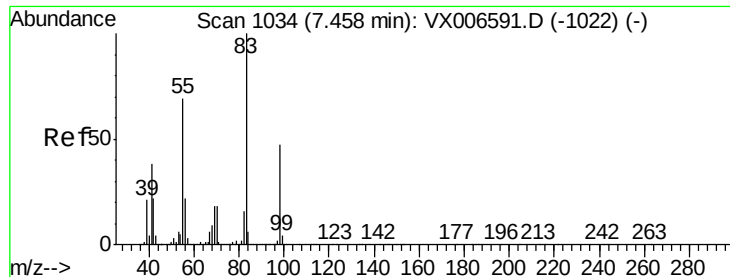
Tgt Ion: 43 Resp: 794363
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 11.8 9.7 14.5



#38
Carbon Tetrachloride
Concen: 105.603 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 117 Resp: 790938
Ion Ratio Lower Upper
117 100
119 95.2 79.4 119.2
121 30.1 24.0 36.0





#39

Methylcyclohexane

Concen: 96.490 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

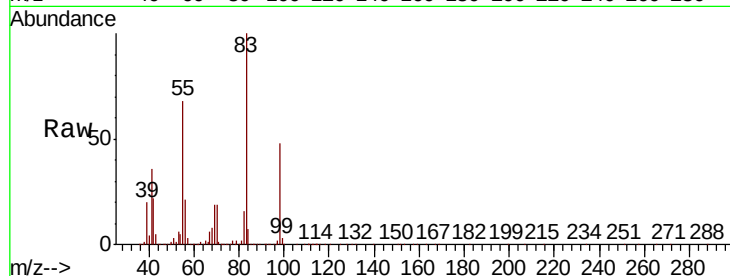
Tgt Ion: 83 Resp: 979002

Ion Ratio Lower Upper

83 100

55 67.6 54.9 82.3

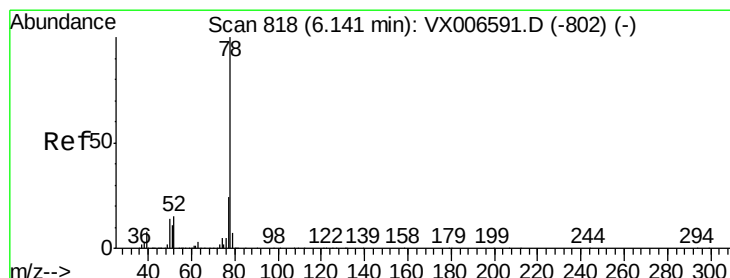
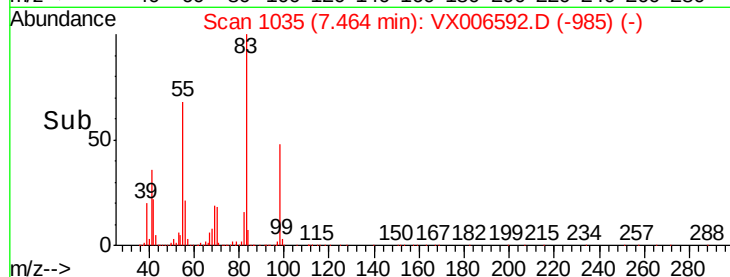
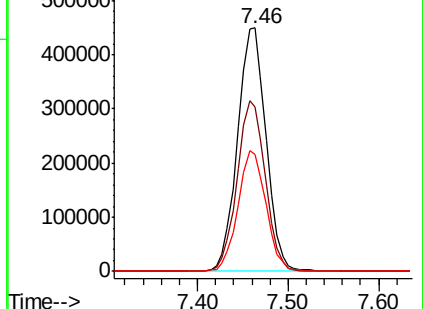
98 48.1 37.9 56.9



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: 98.236 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006592.D

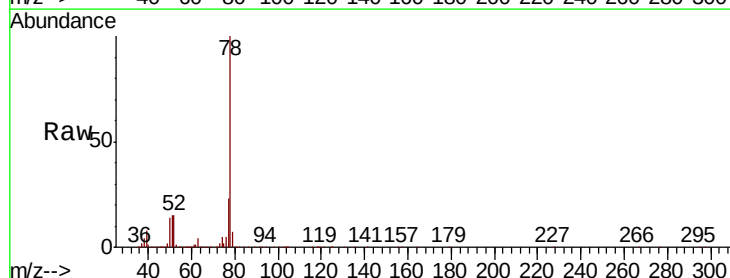
Acq: 18 Dec 2018 12:31

Tgt Ion: 78 Resp: 2301258

Ion Ratio Lower Upper

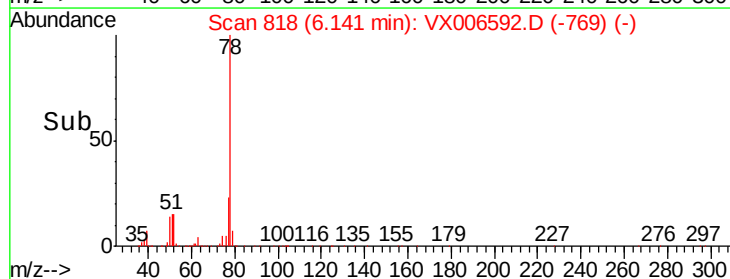
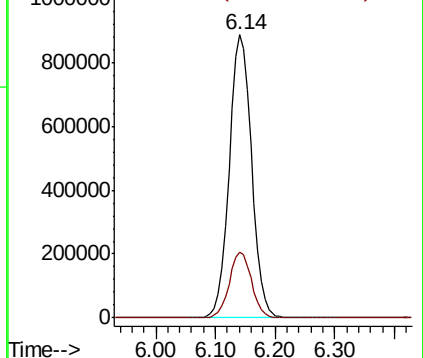
78 100

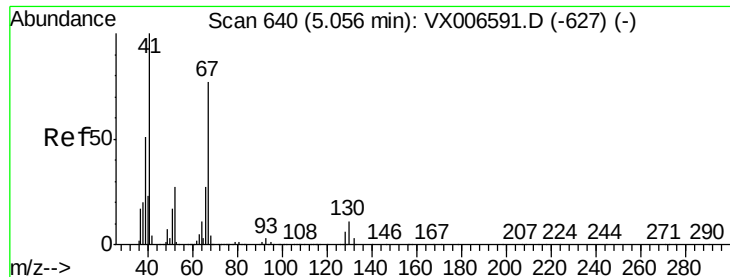
77 23.4 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

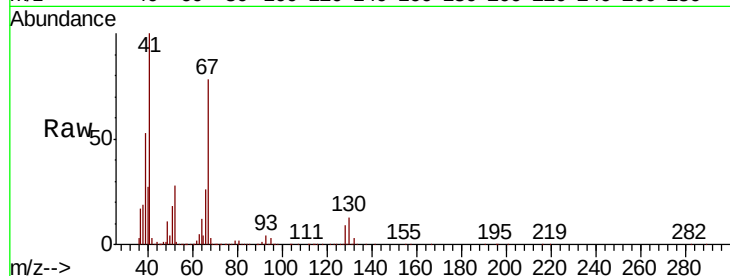




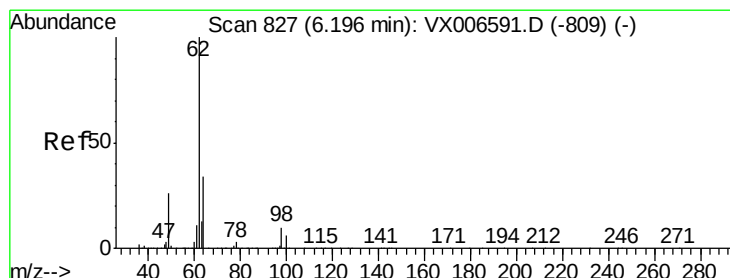
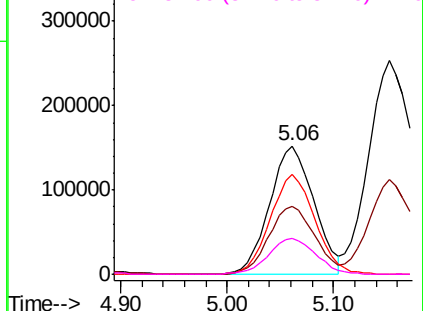
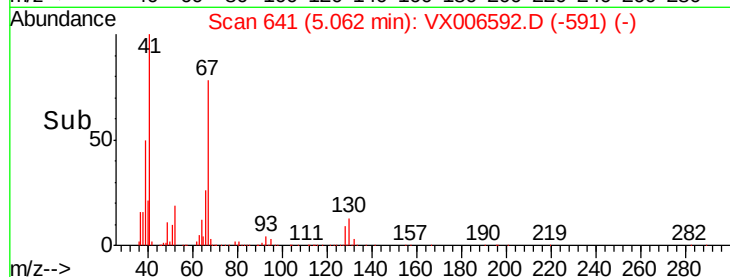
#41
Methacrylonitrile
Concen: 97.514 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:	41	Resp:	439553
Ion	Ratio	Lower	Upper
41	100		
39	54.6	42.8	64.2
67	78.2	62.1	93.1
52	29.2	23.4	35.0

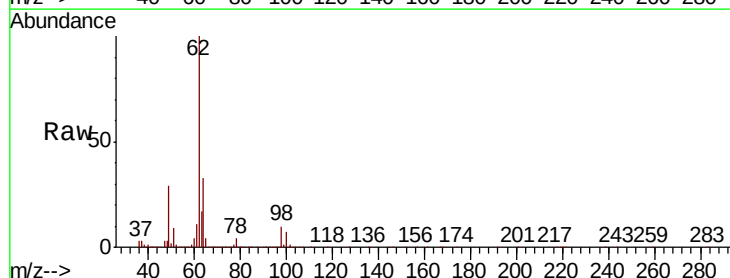


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

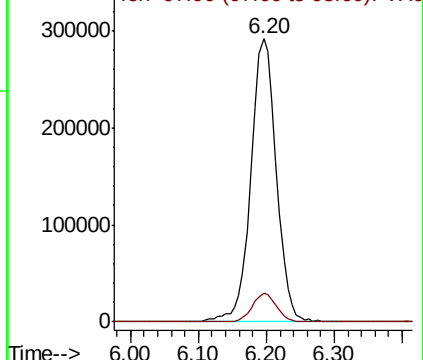
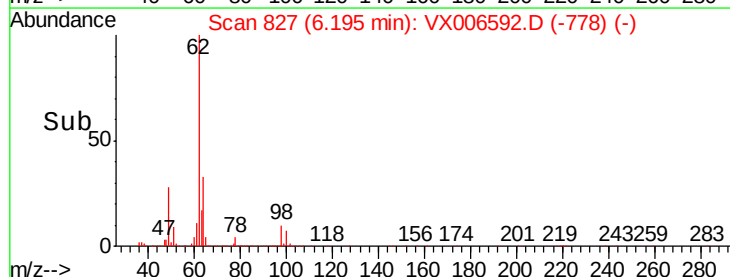


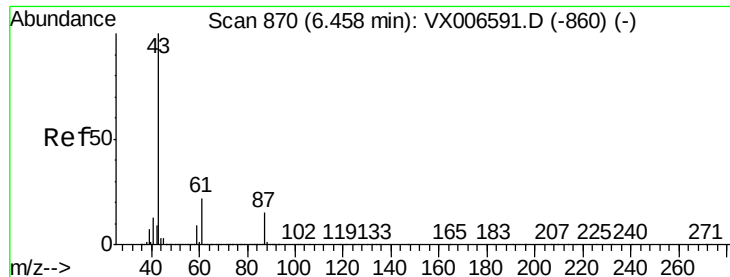
#42
1,2-Dichloroethane
Concen: 95.359 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:	62	Resp:	761203
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 106.077 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

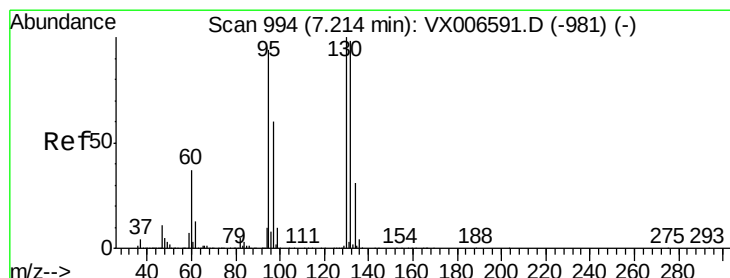
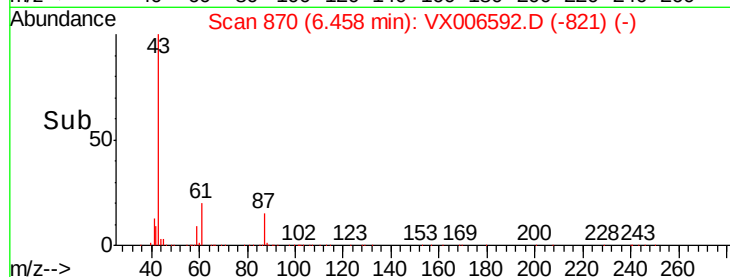
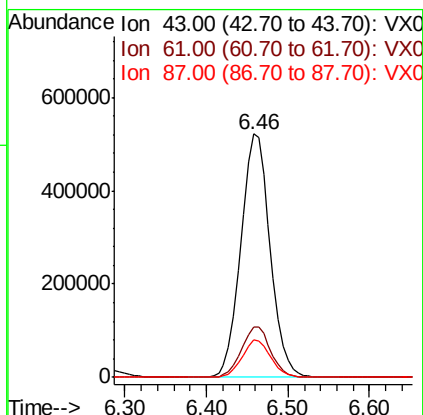
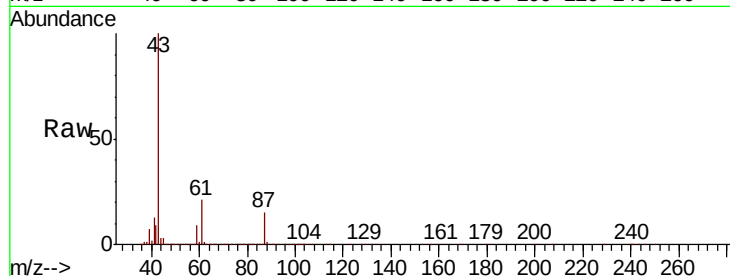
Tgt Ion: 43 Resp: 1294648

Ion Ratio Lower Upper

43 100

61 20.9 16.8 25.2

87 15.1 12.4 18.6



#44

Trichloroethene

Concen: 96.873 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006592.D

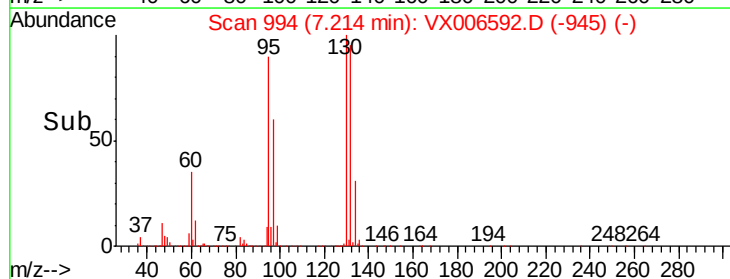
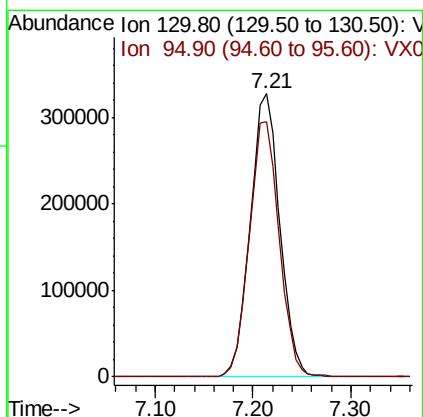
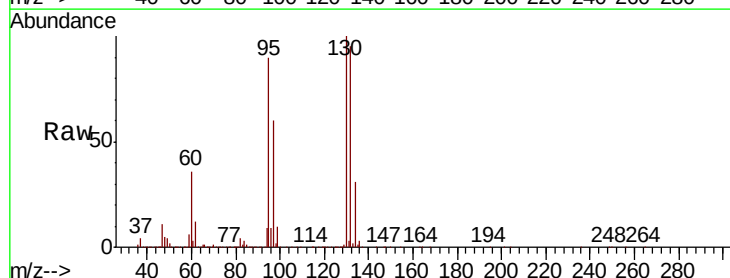
Acq: 18 Dec 2018 12:31

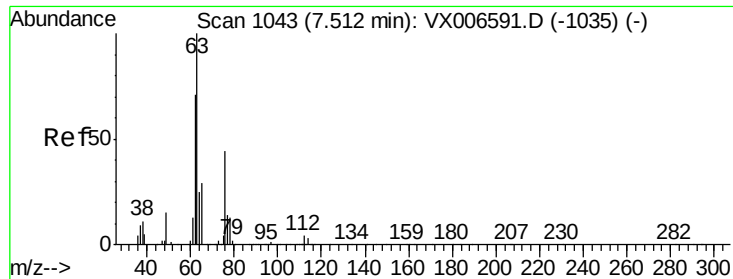
Tgt Ion: 130 Resp: 686858

Ion Ratio Lower Upper

130 100

95 90.3 0.0 187.0

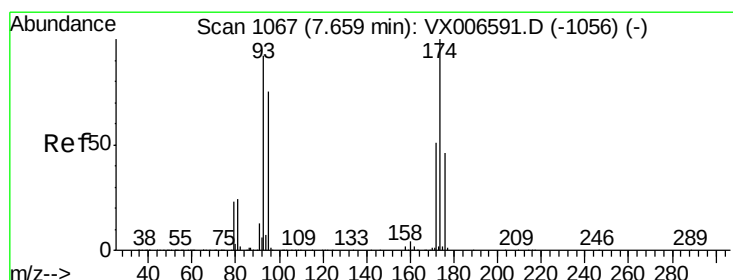
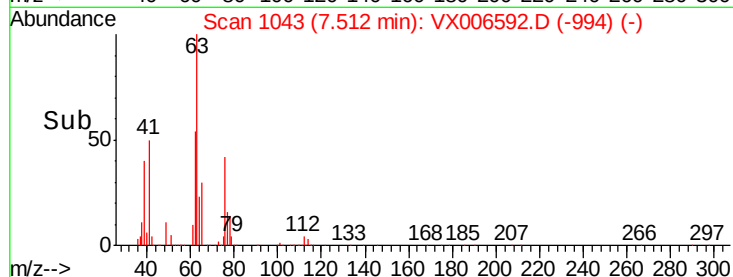
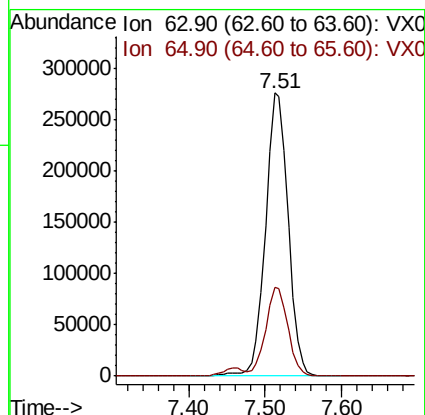
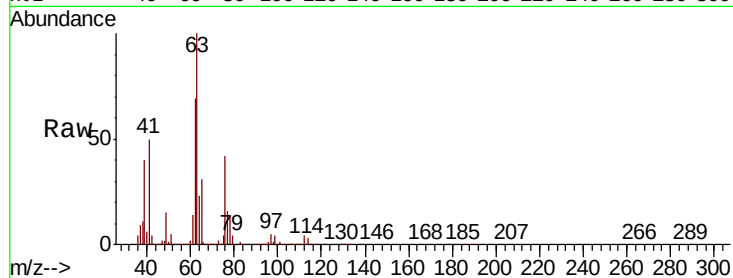




#45
 1,2-Dichloropropane
 Concen: 100.158 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

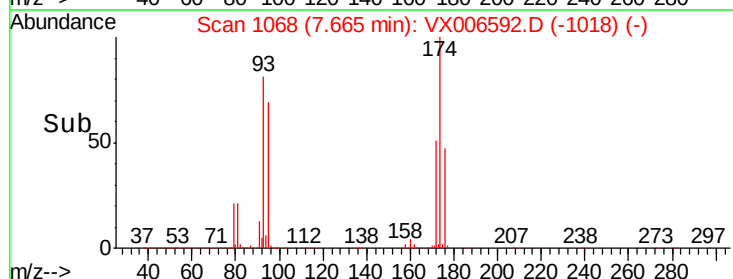
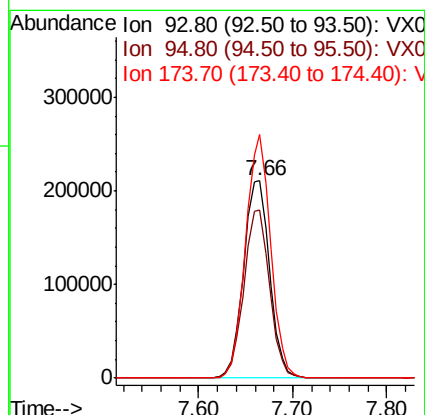
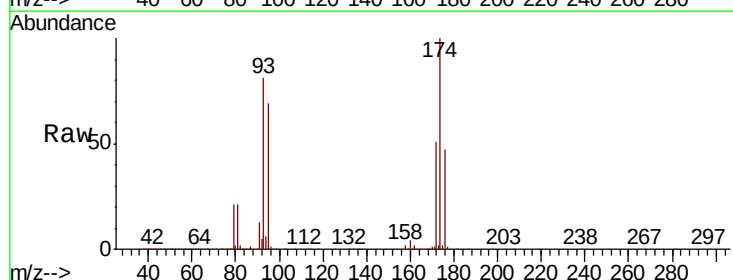
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

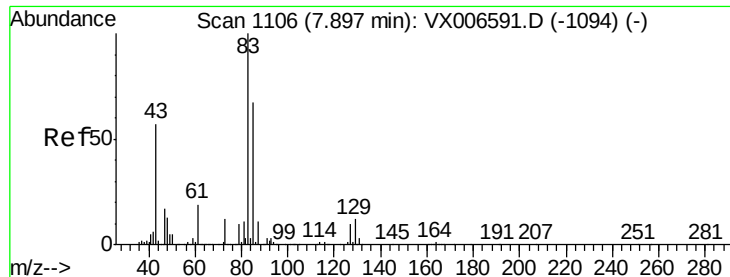
Tgt Ion: 63 Resp: 570967
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 97.725 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion: 93 Resp: 409777
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.2 99.4
 174 118.6 91.0 136.4





#47

Bromodichloromethane

Concen: 107.226 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

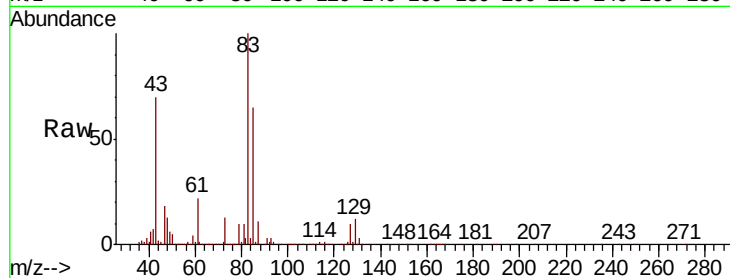
Tgt Ion: 83 Resp: 746461

Ion Ratio Lower Upper

83 100

85 64.9 53.2 79.8

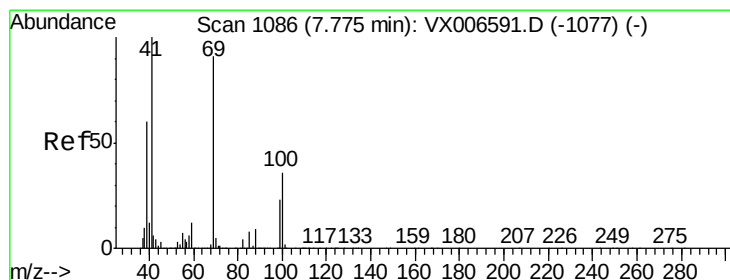
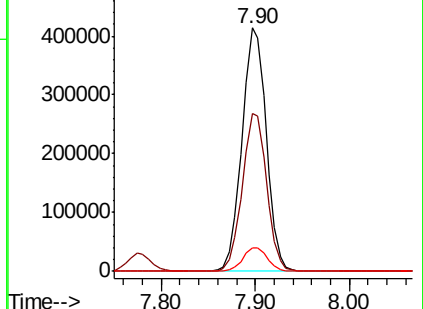
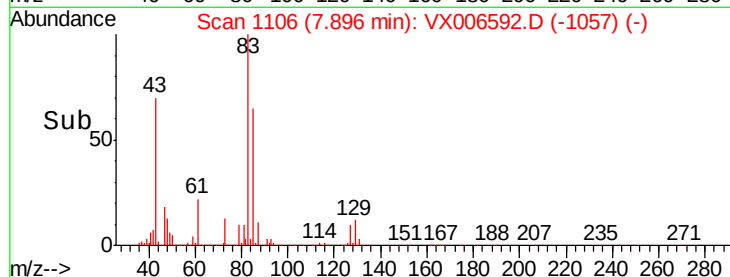
127 9.6 7.8 11.6



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: 105.538 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

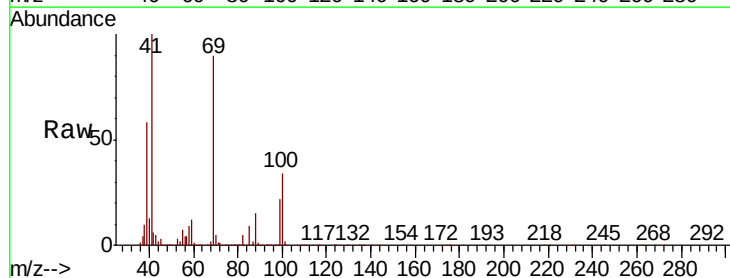
Tgt Ion: 41 Resp: 655020

Ion Ratio Lower Upper

41 100

69 90.6 72.4 108.6

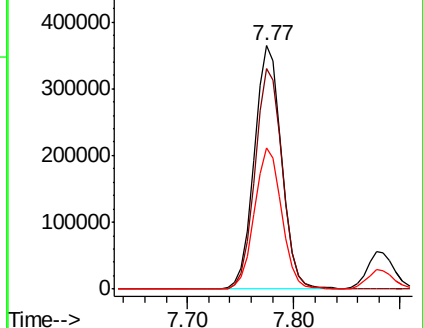
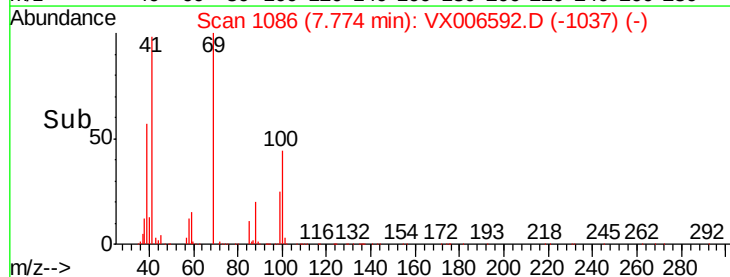
39 57.4 45.8 68.8

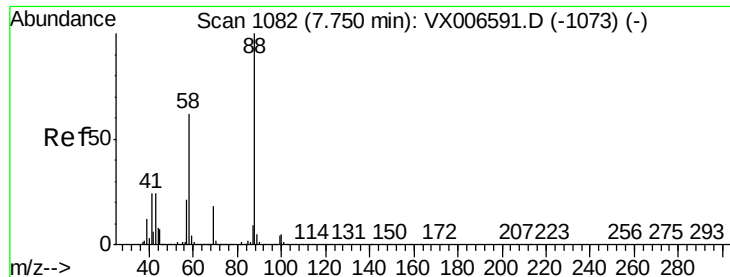


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1875.700 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

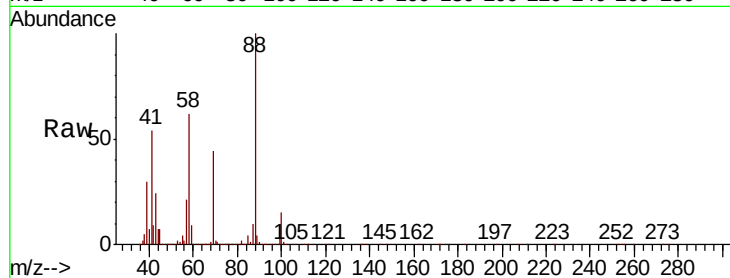
Tgt Ion: 88 Resp: 329384

Ion Ratio Lower Upper

88 100

43 27.1 22.2 33.4

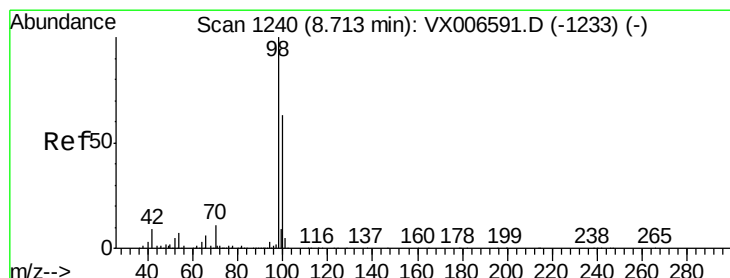
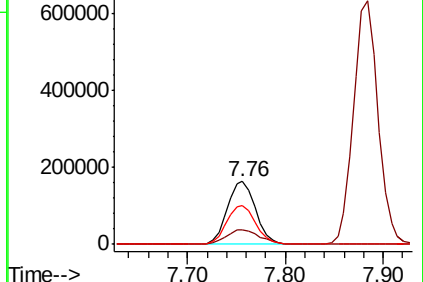
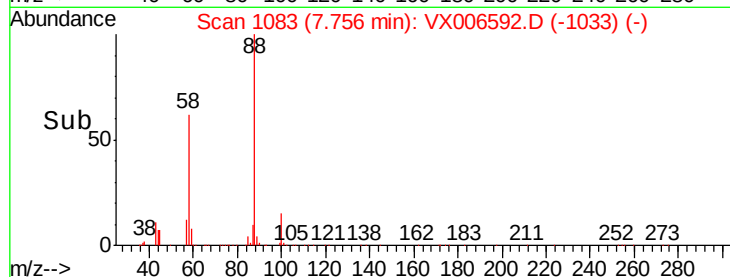
58 63.2 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 100.239 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006592.D

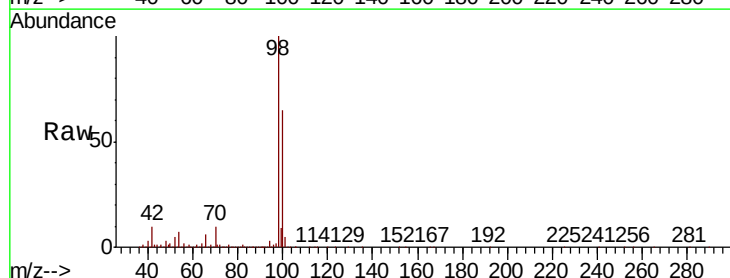
Acq: 18 Dec 2018 12:31

Tgt Ion: 98 Resp: 2223710

Ion Ratio Lower Upper

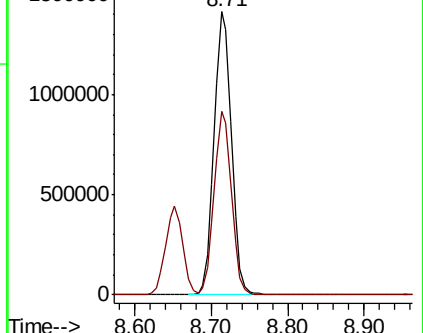
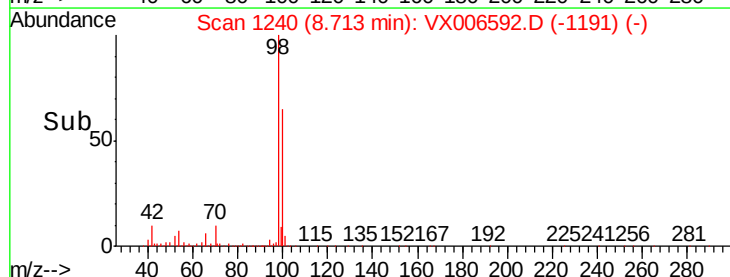
98 100

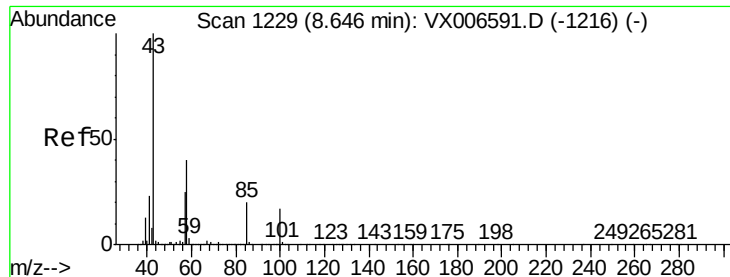
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 513.254 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

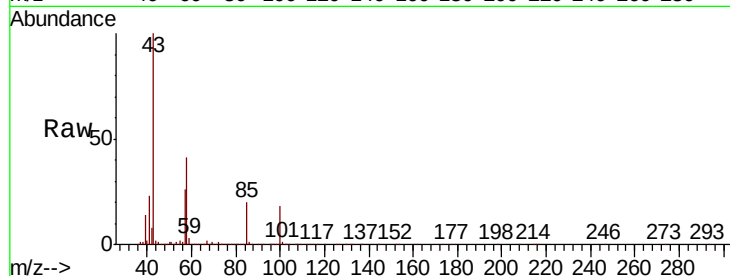
VSTDIC100

Tgt Ion: 43 Resp: 3985686

Ion Ratio Lower Upper

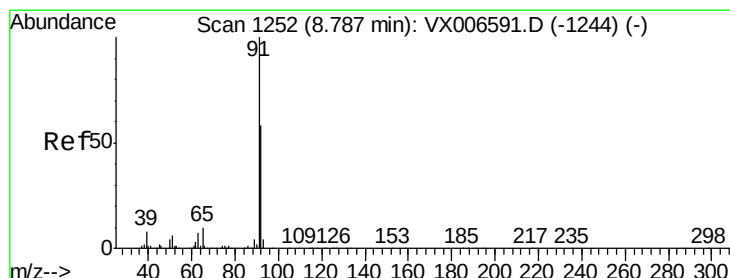
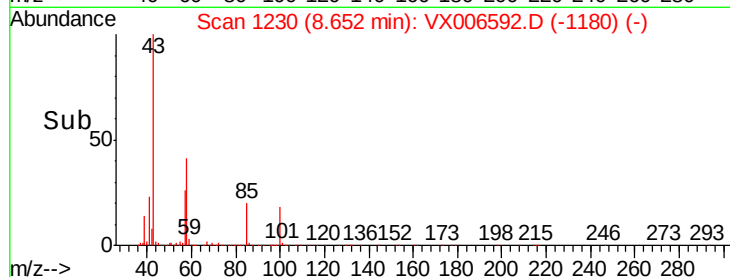
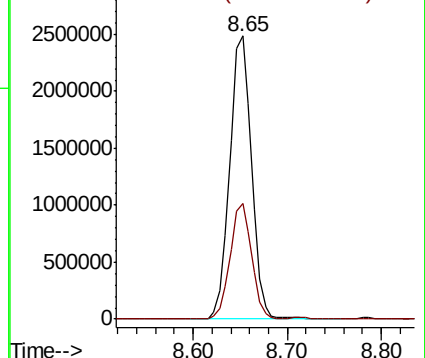
43 100

58 40.0 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: 100.104 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006592.D

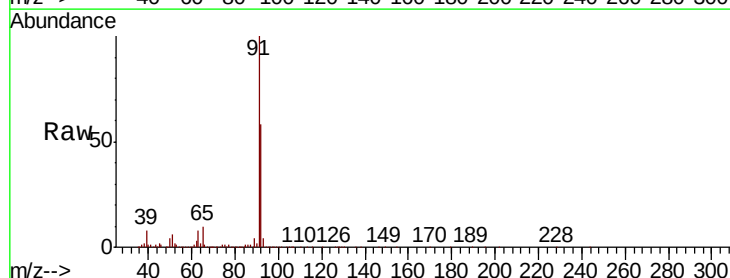
Acq: 18 Dec 2018 12:31

Tgt Ion: 92 Resp: 1514994

Ion Ratio Lower Upper

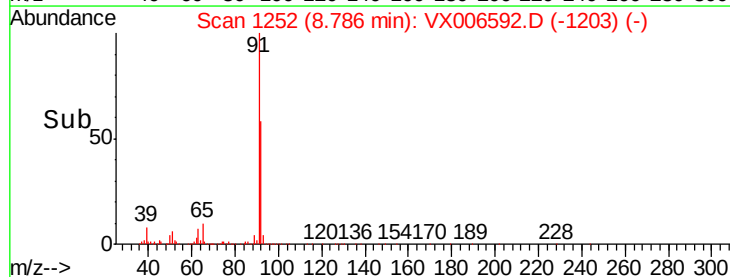
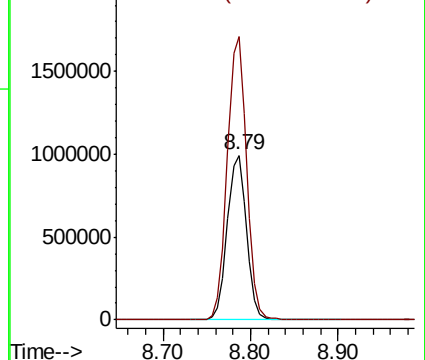
92 100

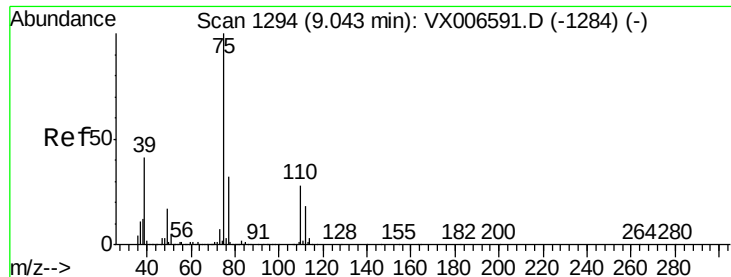
91 172.5 137.6 206.4



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: 116.805 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

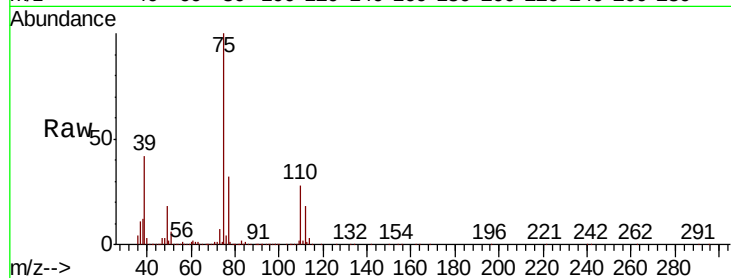
VSTDIC100

Tgt Ion: 75 Resp: 872089

Ion Ratio Lower Upper

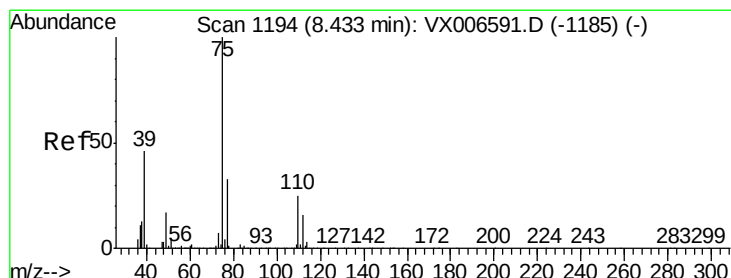
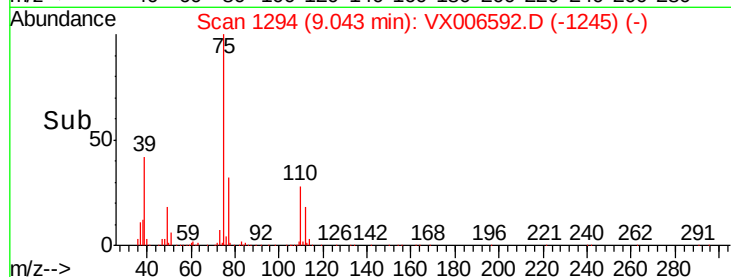
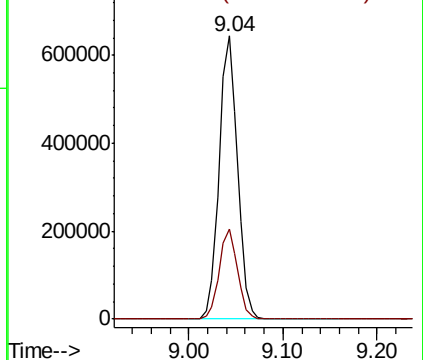
75 100

77 31.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 113.362 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

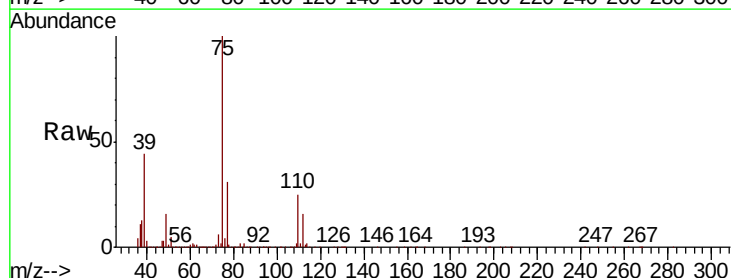
Tgt Ion: 75 Resp: 928699

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

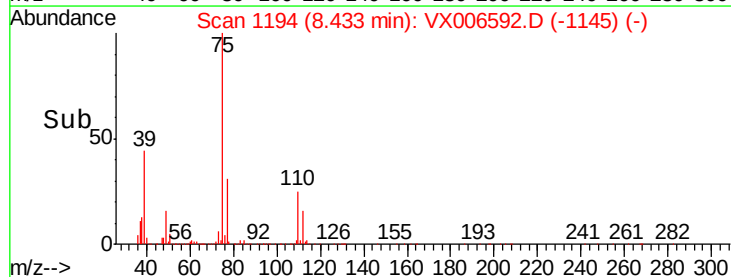
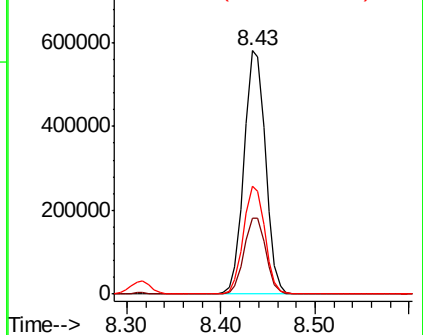
39 44.3 36.7 55.1

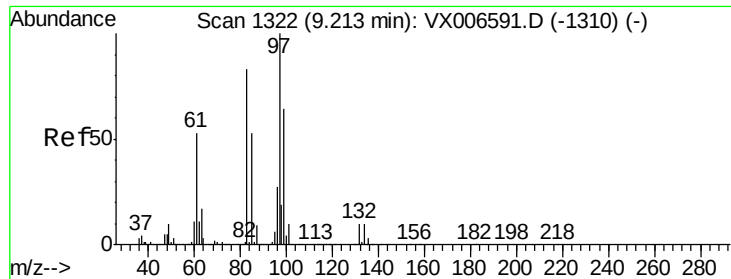


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

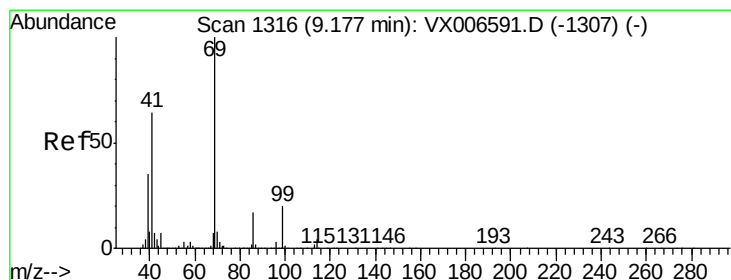
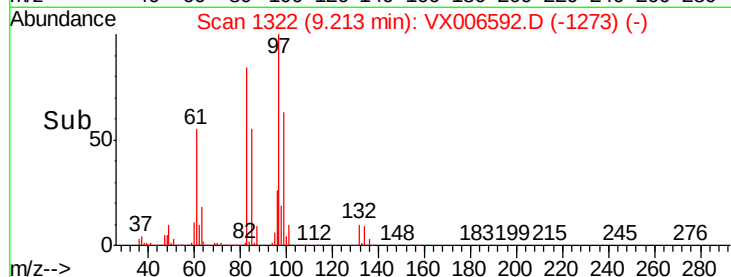
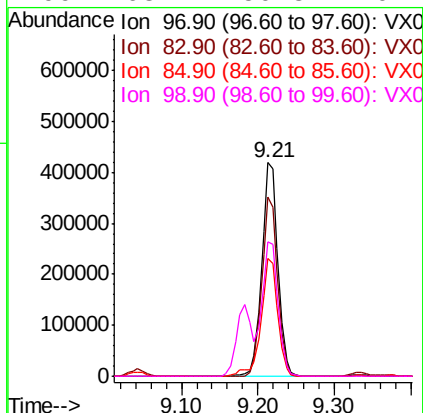
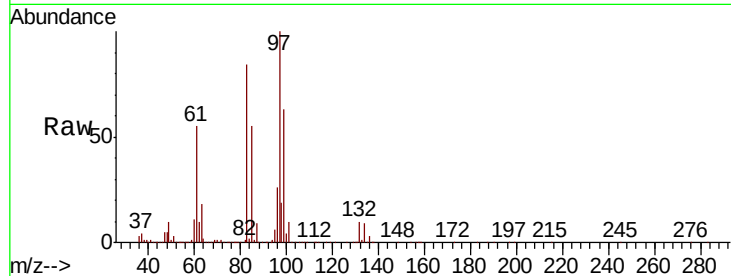




#55
 1,1,2-Trichloroethane
 Concen: 100.213 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

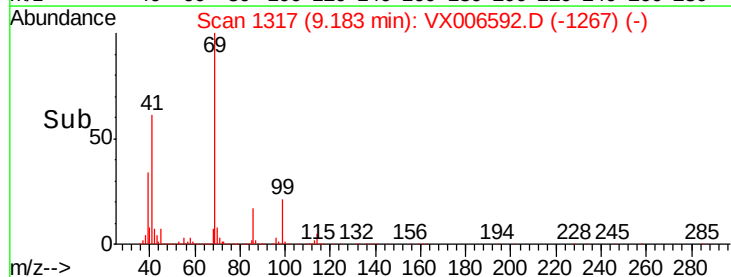
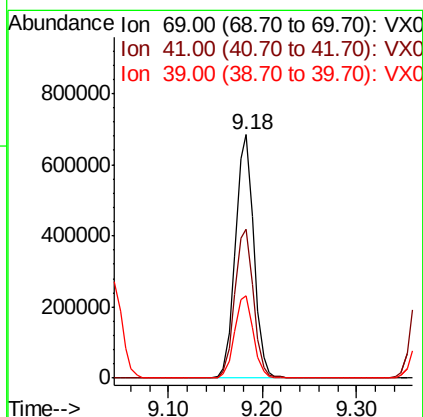
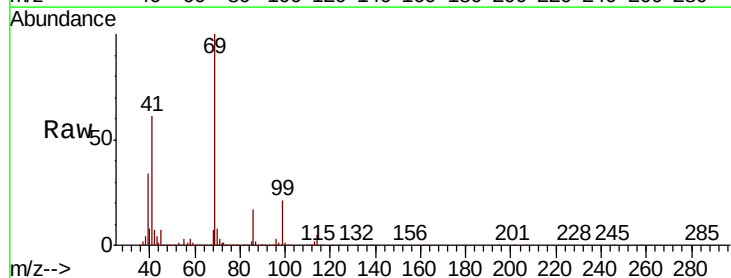
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

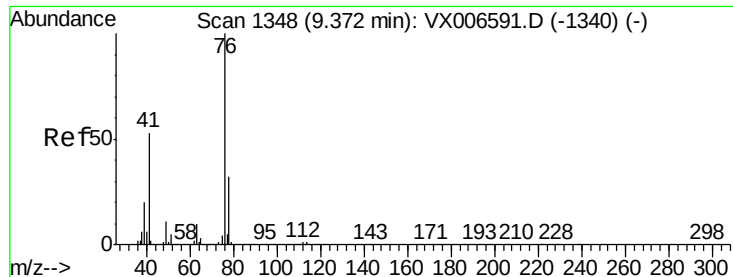
Tgt Ion:	97	Resp:	620784
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	99.8
85	55.3	42.7	64.1
99	63.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 106.152 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:	69	Resp:	929398
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.7	73.1
39	34.5	27.0	40.6

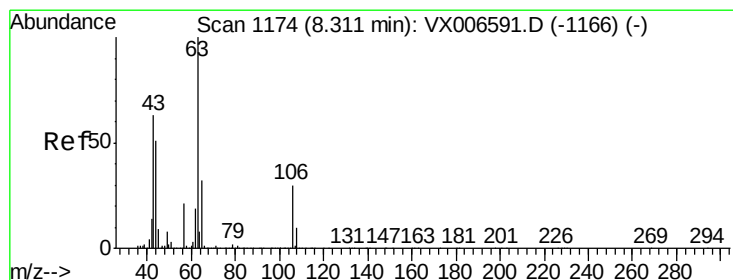
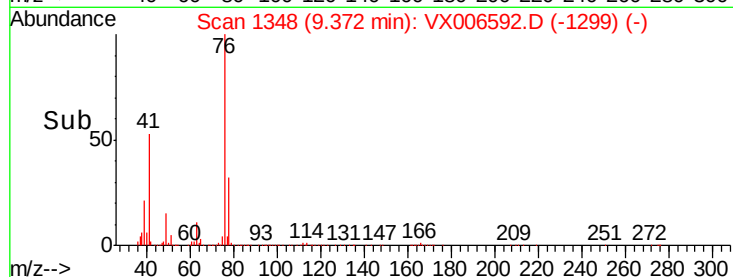
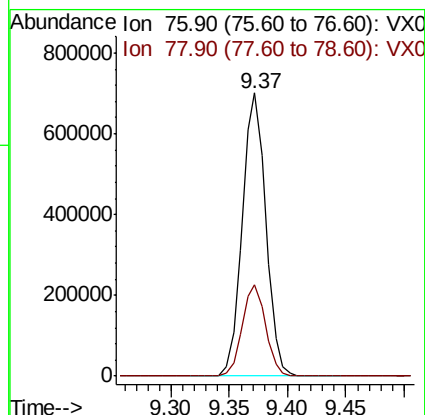
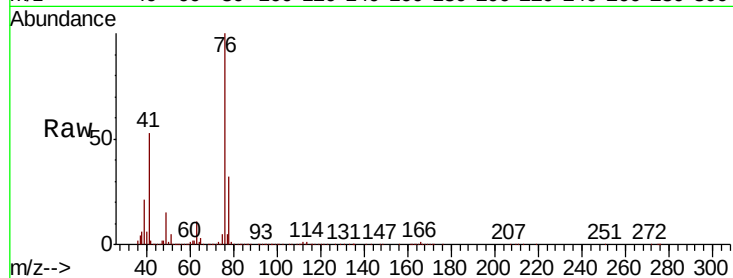




#57
 1,3-Dichloropropane
 Concen: 99.528 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

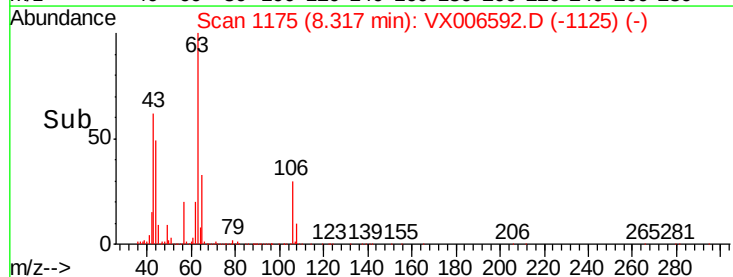
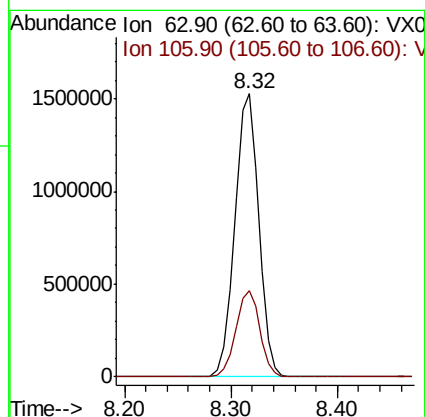
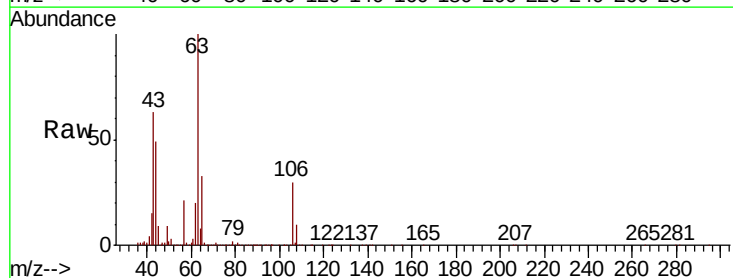
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

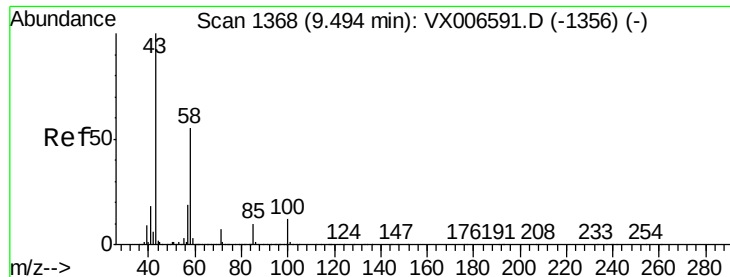
Tgt Ion: 76 Resp: 991948
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 516.271 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion: 63 Resp: 2402754
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.6 36.8

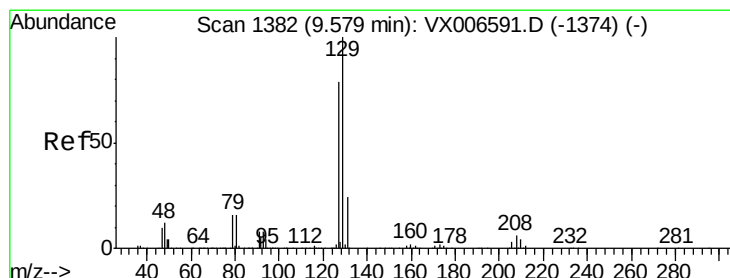
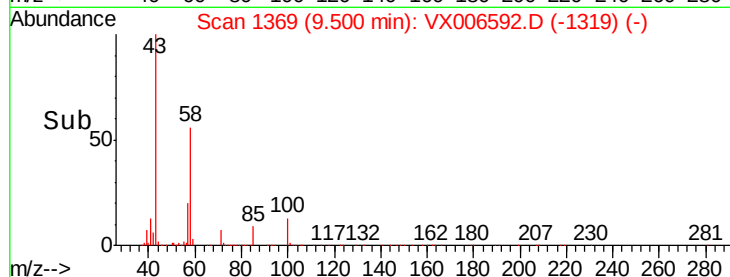
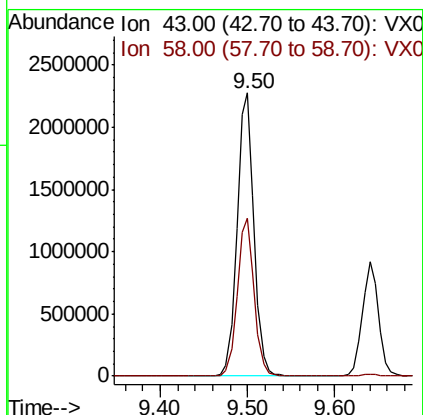
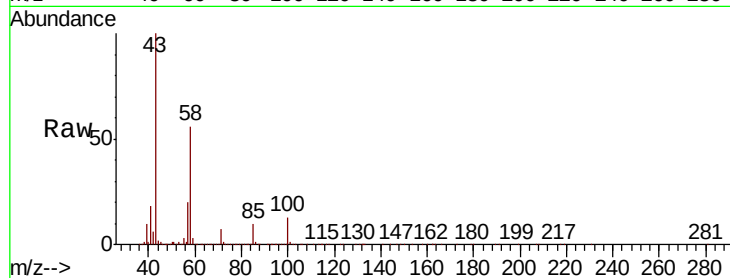




#59
2-Hexanone
Concen: 515.736 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

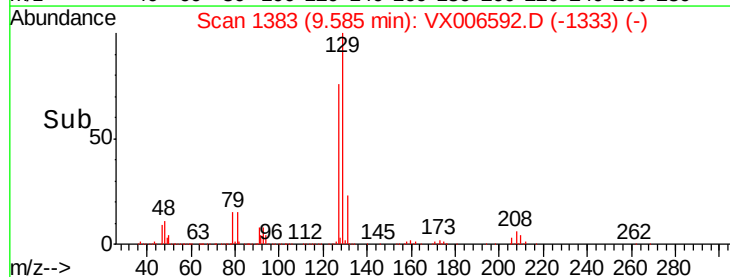
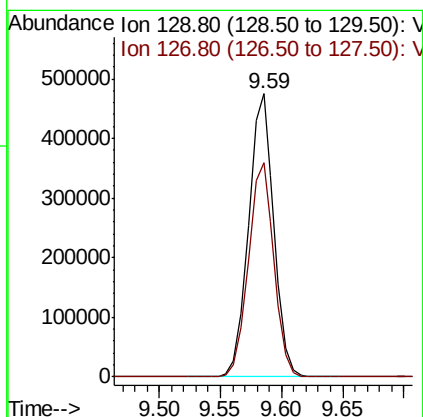
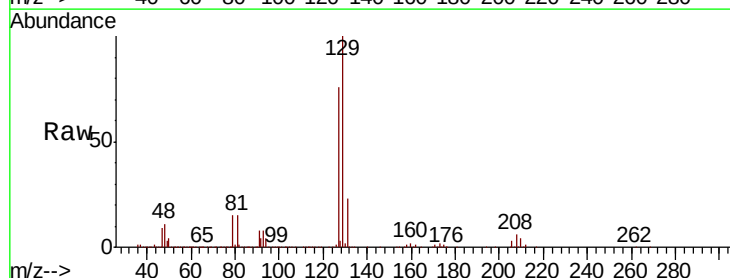
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

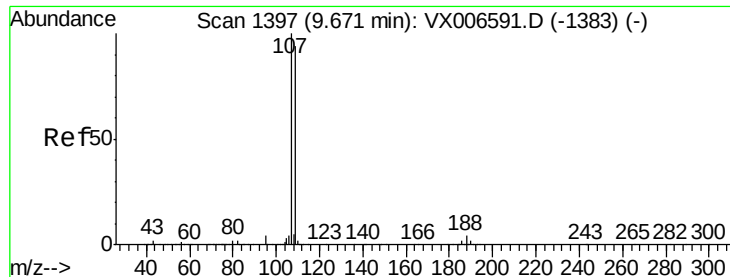
Tgt Ion: 43 Resp: 3064266
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1



#60
Dibromochloromethane
Concen: 118.979 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 129 Resp: 678881
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 104.526 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

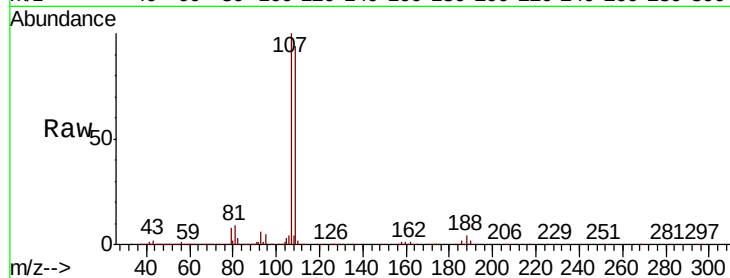
VSTDIC100

Tgt Ion: 107 Resp: 688319

Ion Ratio Lower Upper

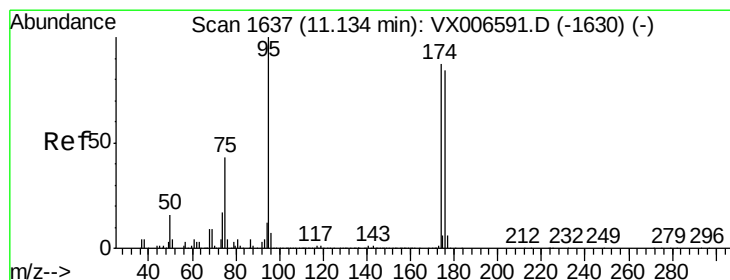
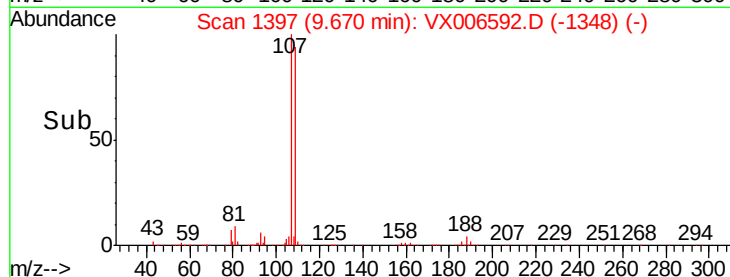
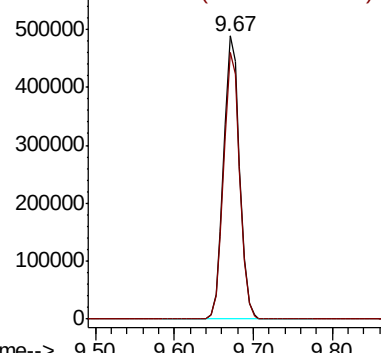
107 100

109 94.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 100.705 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

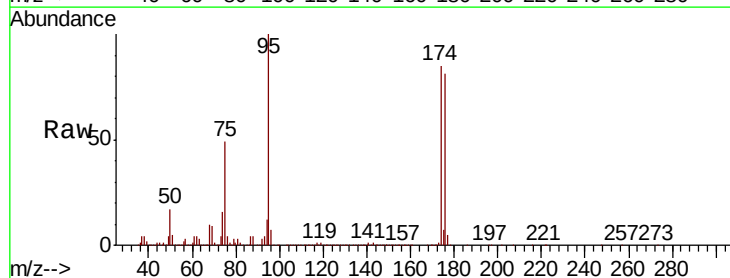
Tgt Ion: 95 Resp: 818206

Ion Ratio Lower Upper

95 100

174 93.0 0.0 182.2

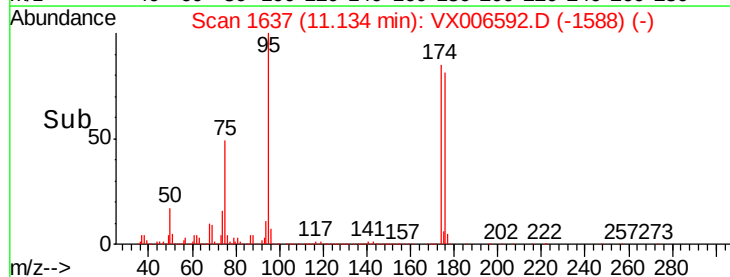
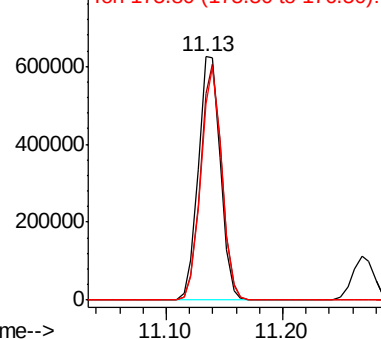
176 90.8 0.0 178.8

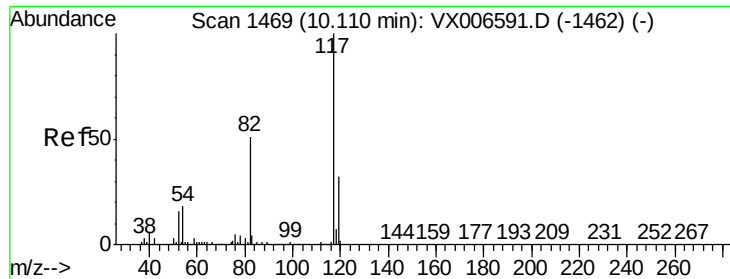


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

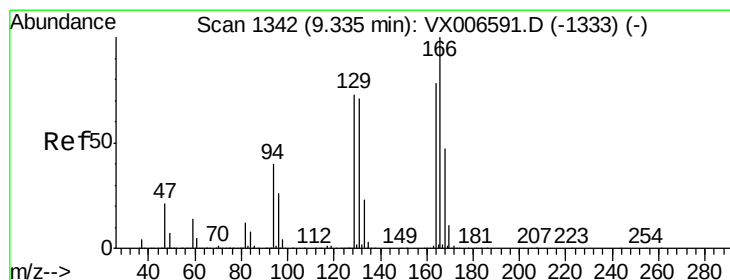
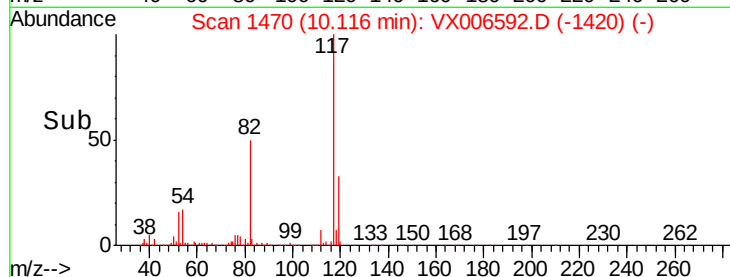
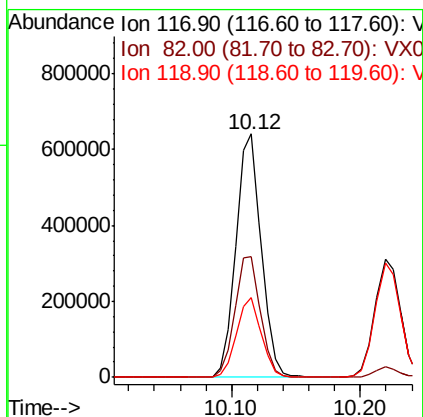
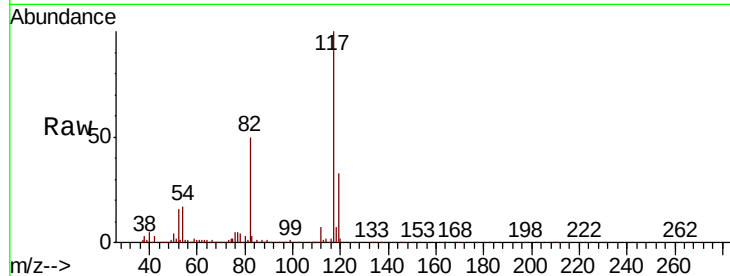




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

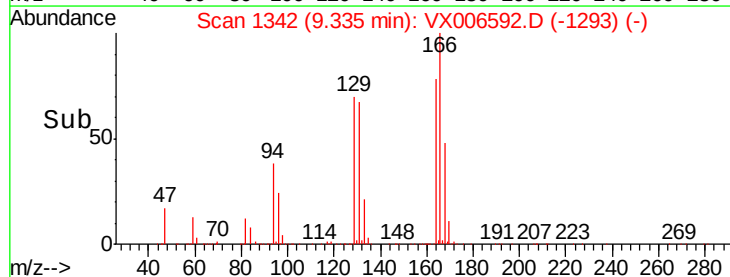
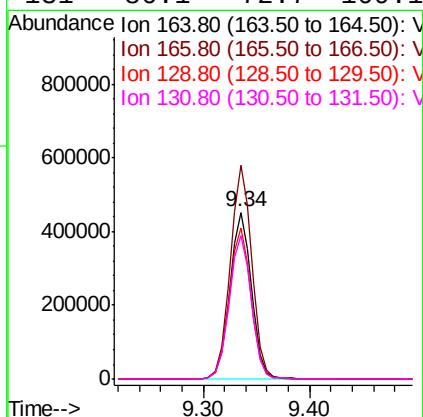
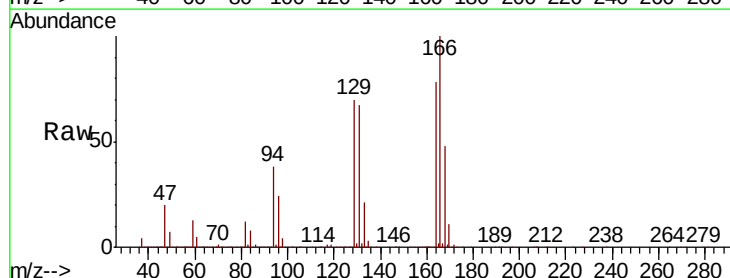
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

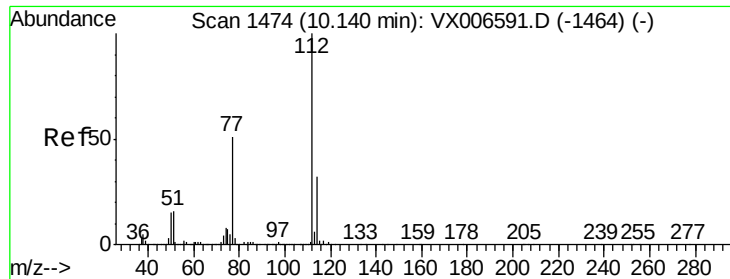
Tgt Ion:117 Resp: 874541
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.6
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 92.840 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:164 Resp: 642921
Ion Ratio Lower Upper
164 100
166 128.2 102.5 153.7
129 90.4 75.1 112.7
131 86.1 72.7 109.1





#65

Chlorobenzene

Concen: 97.145 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

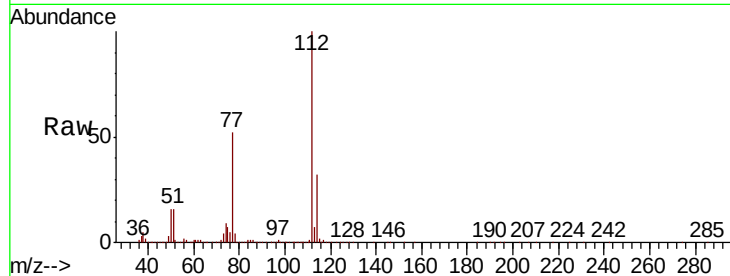
VSTDIC100

Tgt Ion:112 Resp: 1797353

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

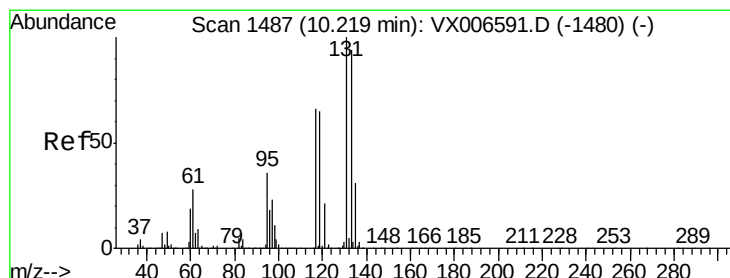
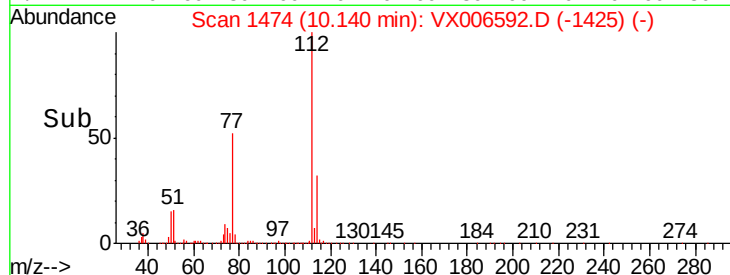
1500000

1000000

500000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 109.993 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

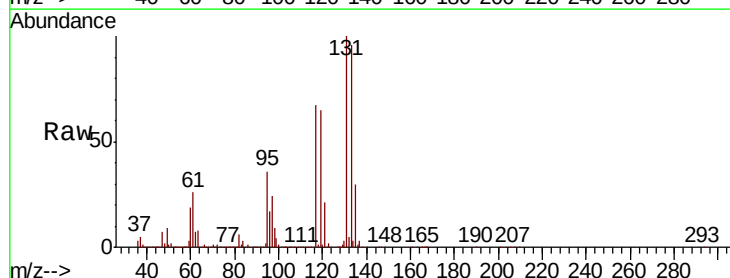
Tgt Ion:131 Resp: 634931

Ion Ratio Lower Upper

131 100

133 96.8 48.0 144.2

119 64.3 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

600000

500000

400000

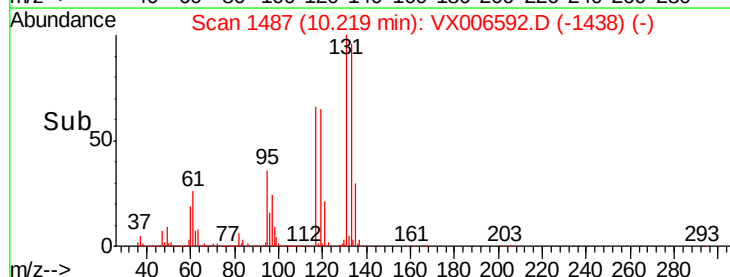
300000

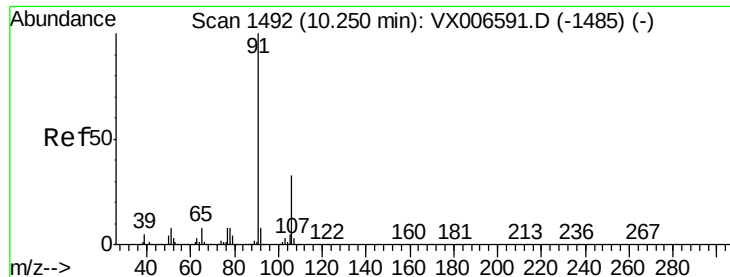
200000

100000

0

Time--> 10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 97.851 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

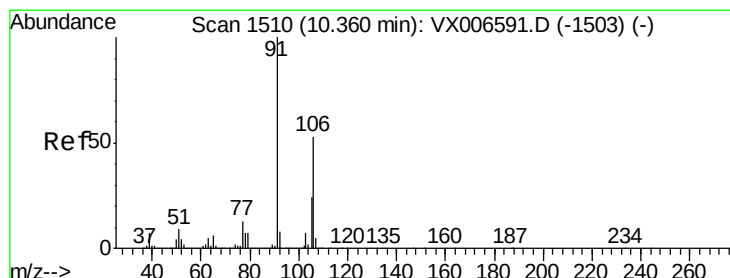
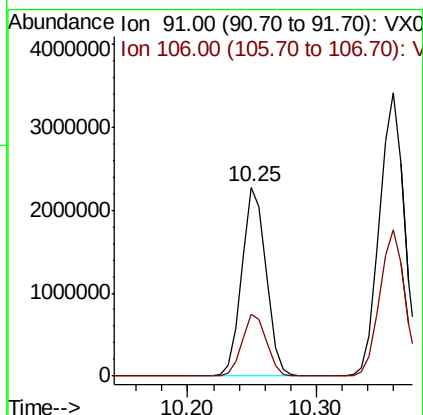
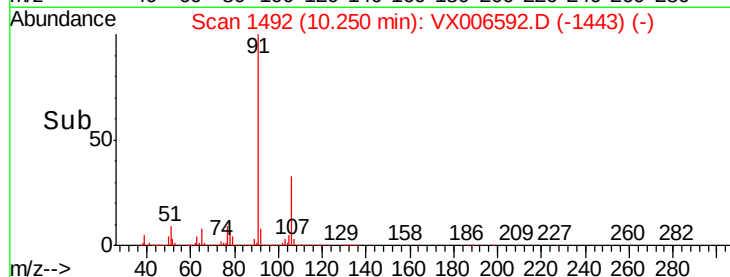
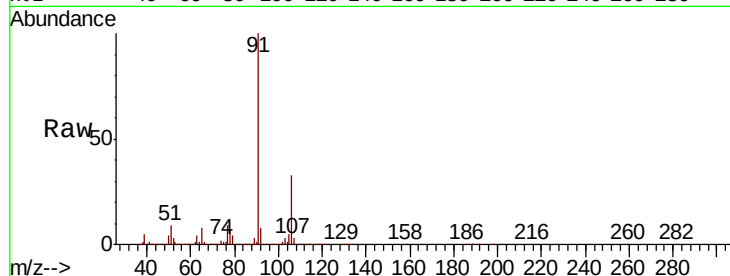
VSTDIC100

Tgt Ion: 91 Resp: 2958315

Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6



#68

m/p-Xylenes

Concen: 198.396 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006592.D

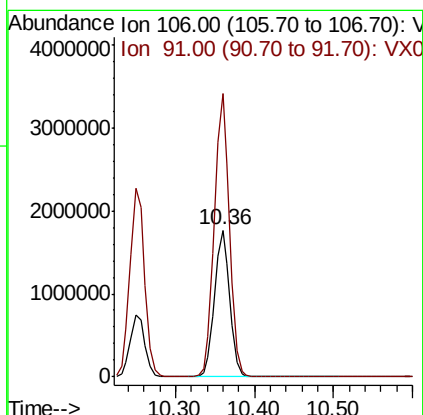
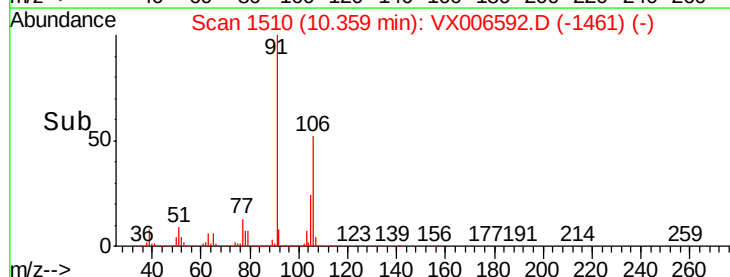
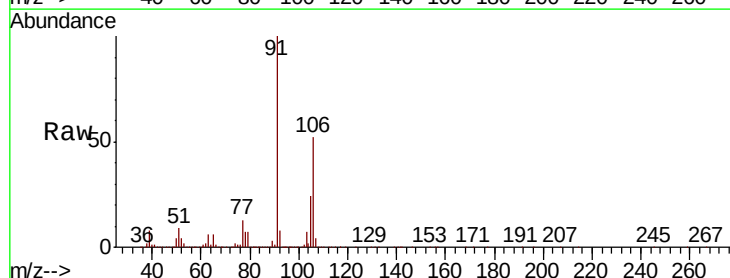
Acq: 18 Dec 2018 12:31

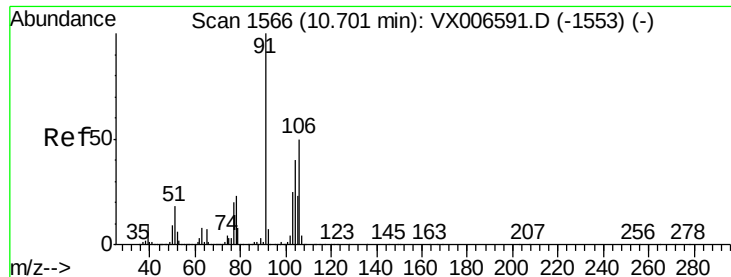
Tgt Ion: 106 Resp: 2366835

Ion Ratio Lower Upper

106 100

91 192.9 155.8 233.6

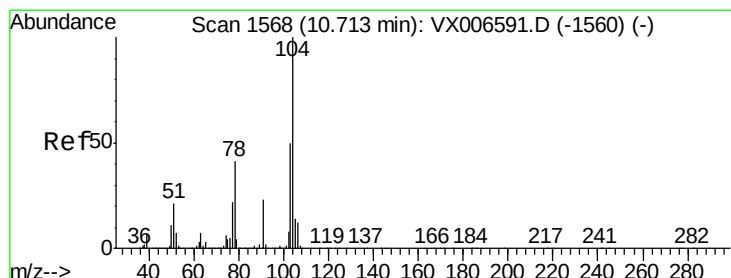
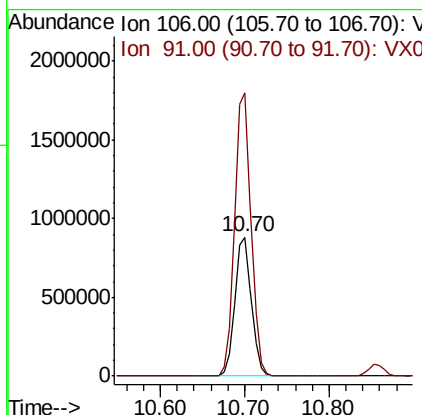
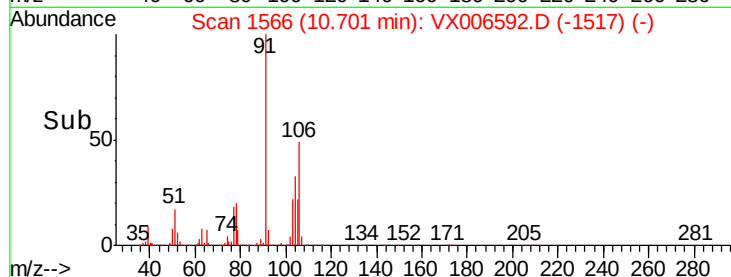
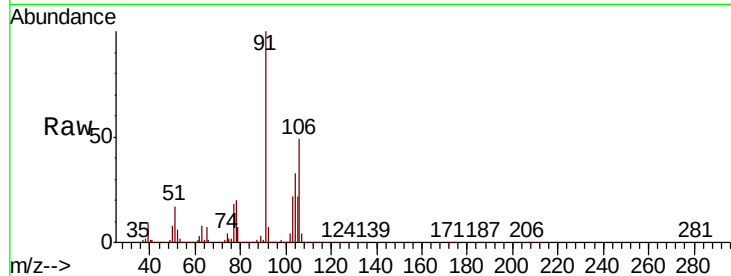




#69
o-Xylene
Concen: 98.552 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

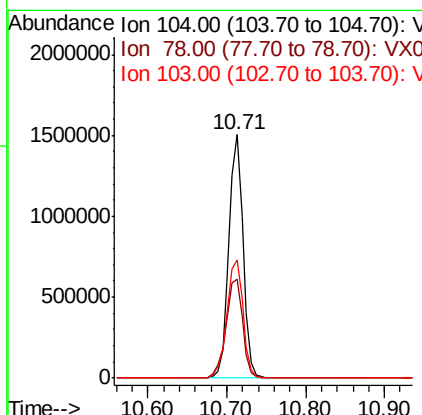
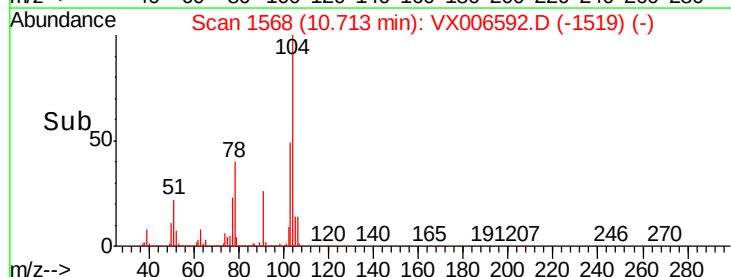
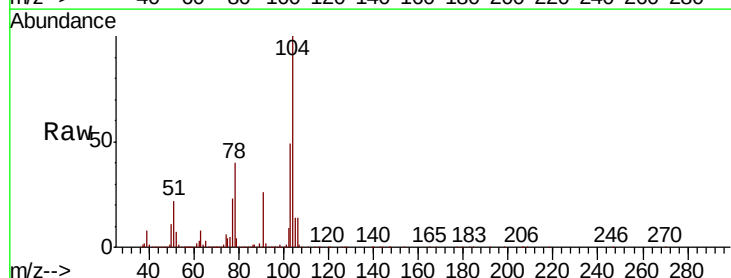
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

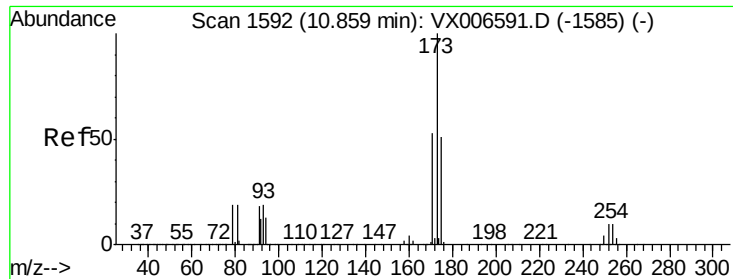
Tgt Ion:106 Resp: 1160986
Ion Ratio Lower Upper
106 100
91 204.3 101.3 303.7



#70
Styrene
Concen: 101.089 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:104 Resp: 1884039
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 55.2 43.8 65.8

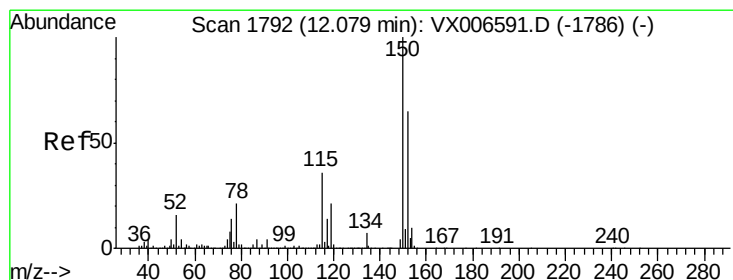
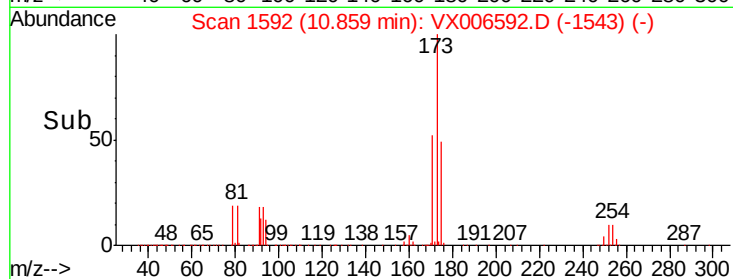
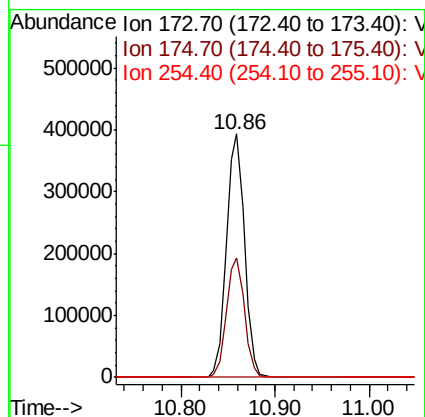
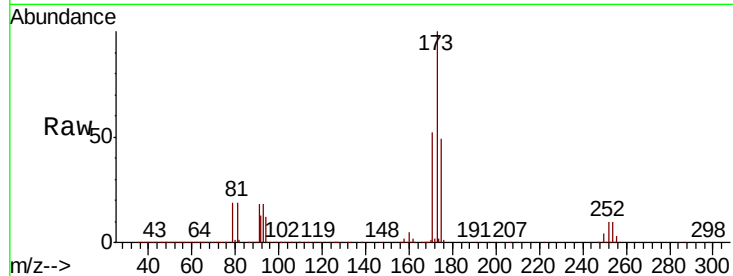




#71
Bromoform
Concen: 118.476 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

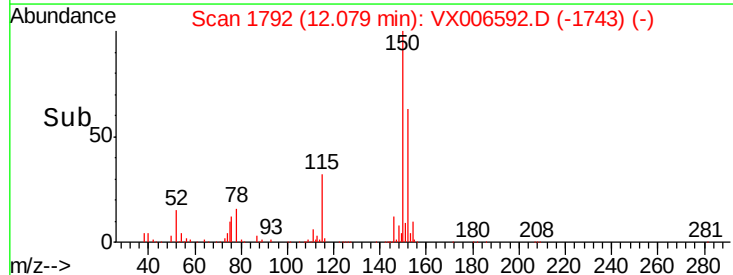
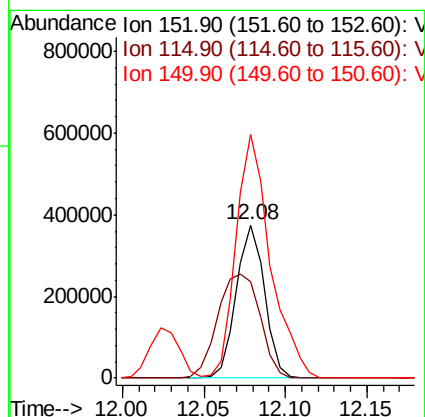
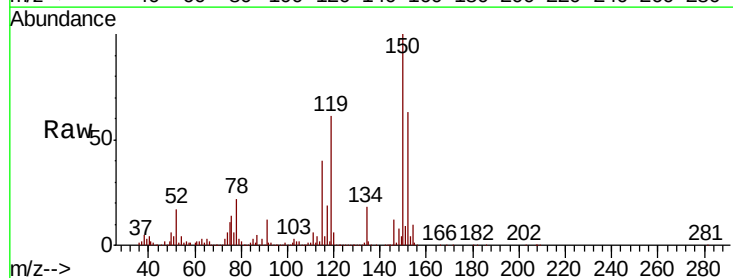
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

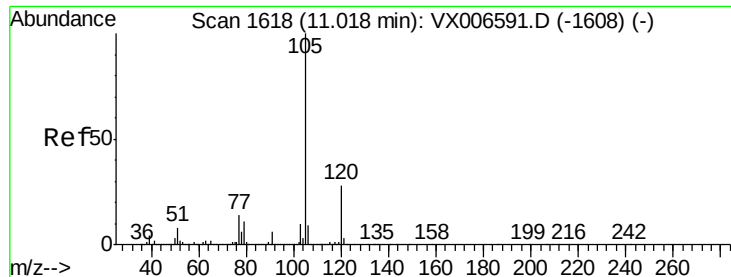
Tgt Ion:173 Resp: 520664
Ion Ratio Lower Upper
173 100
175 48.8 24.7 74.1
254 0.2 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:152 Resp: 453290
Ion Ratio Lower Upper
152 100
115 101.2 39.1 117.2
150 192.6 0.0 344.8





#73

Isopropylbenzene

Concen: 98.380 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

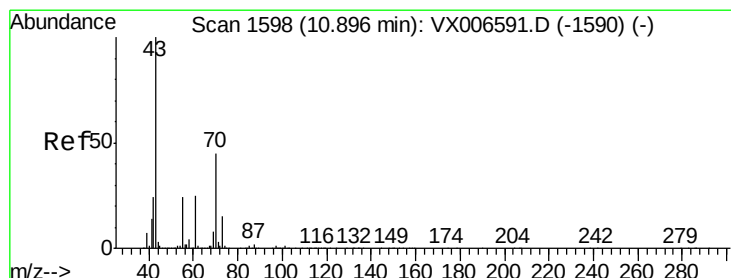
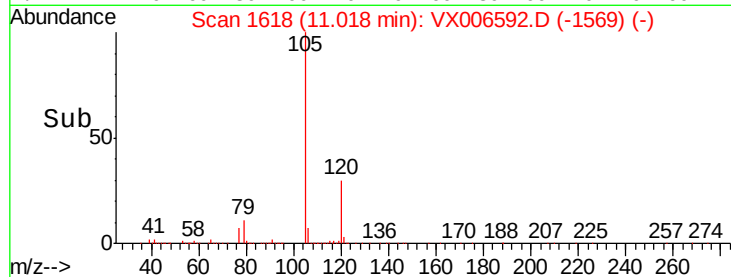
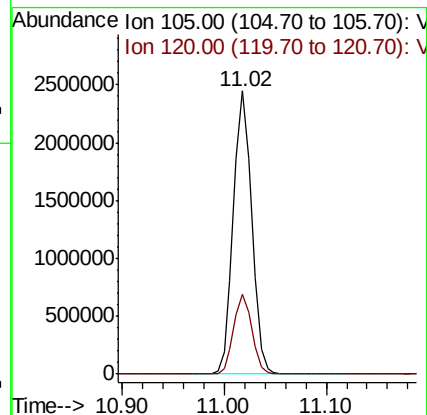
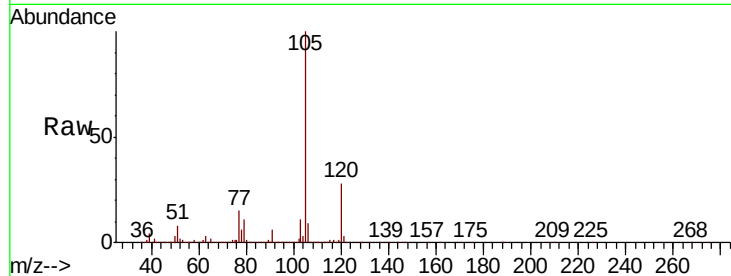
VSTDIC100

Tgt Ion:105 Resp: 3050808

Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4



#74

N-amyl acetate

Concen: 106.569 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion: 43 Resp: 1182905

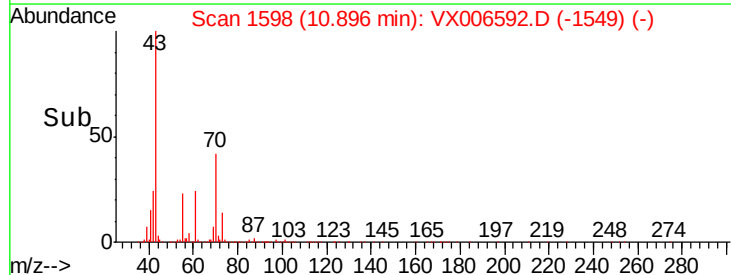
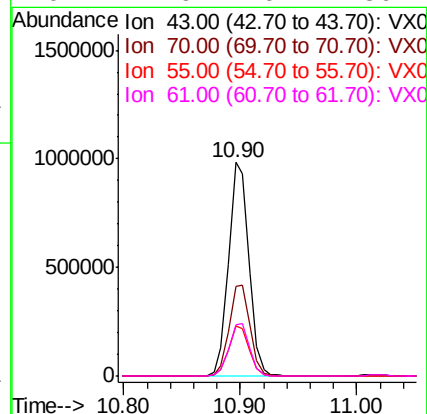
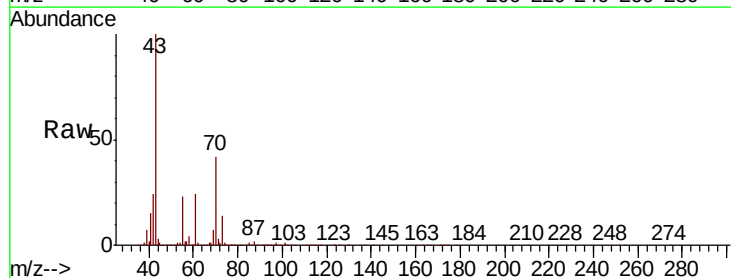
Ion Ratio Lower Upper

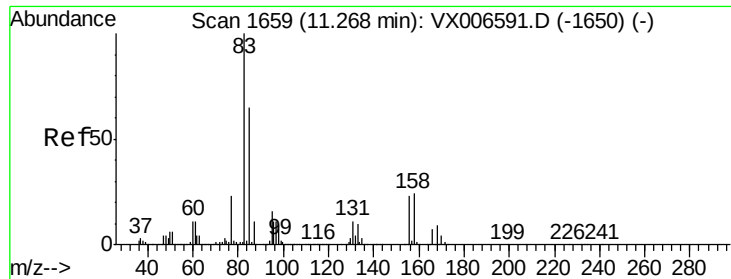
43 100

70 43.7 35.8 53.8

55 23.8 19.4 29.0

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 101.467 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

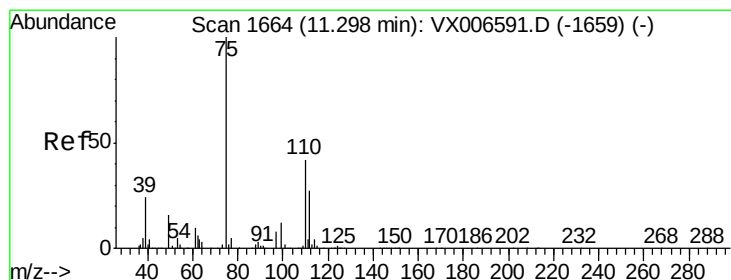
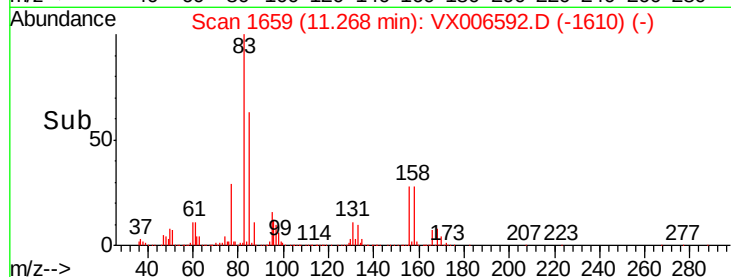
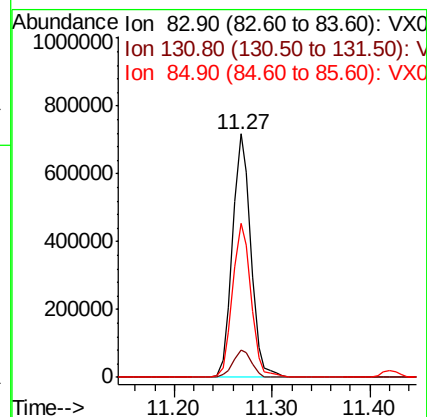
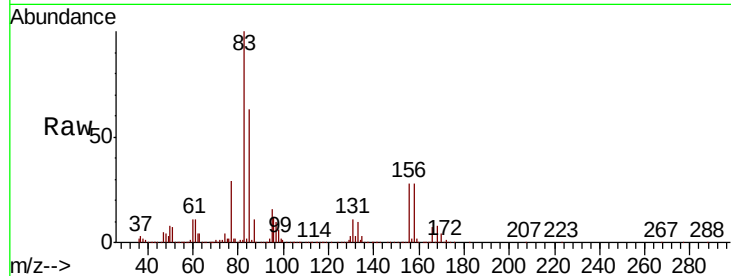
Tgt Ion: 83 Resp: 935786

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 135.902 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006592.D

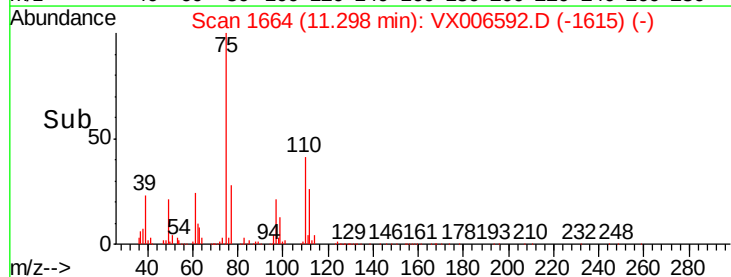
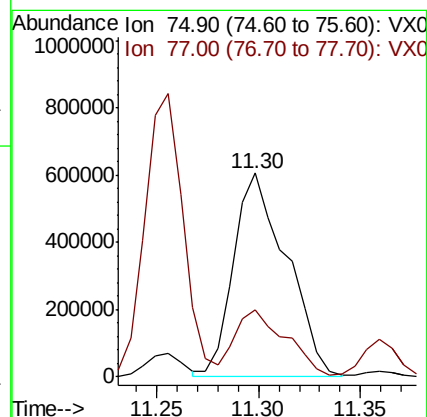
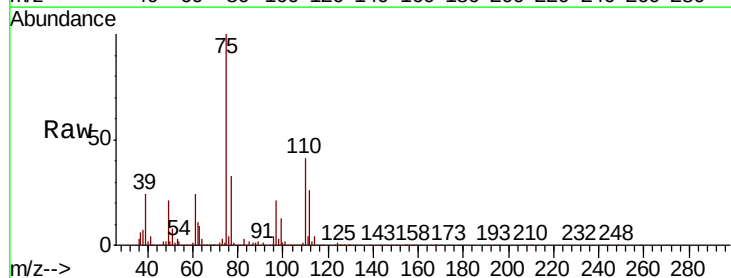
Acq: 18 Dec 2018 12:31

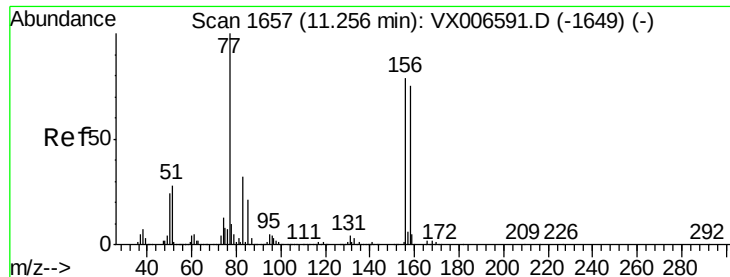
Tgt Ion: 75 Resp: 1091279

Ion Ratio Lower Upper

75 100

77 31.3 18.5 55.5





#77

Bromobenzene

Concen: 97.866 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

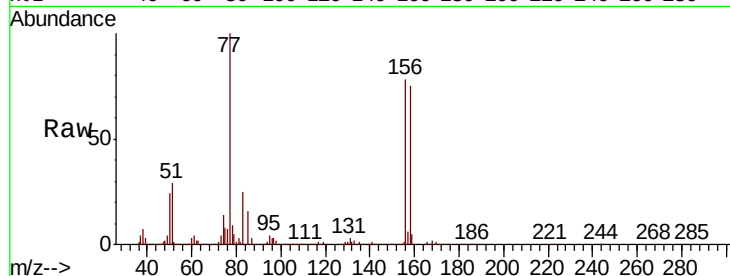
Tgt Ion:156 Resp: 820490

Ion Ratio Lower Upper

156 100

77 133.7 68.0 204.0

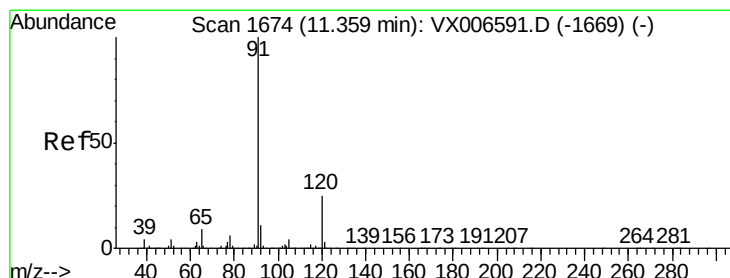
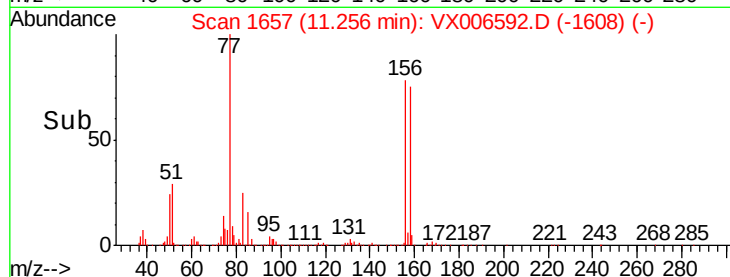
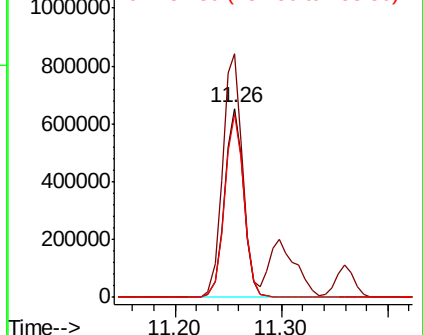
158 97.8 48.3 144.8



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: 100.546 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006592.D

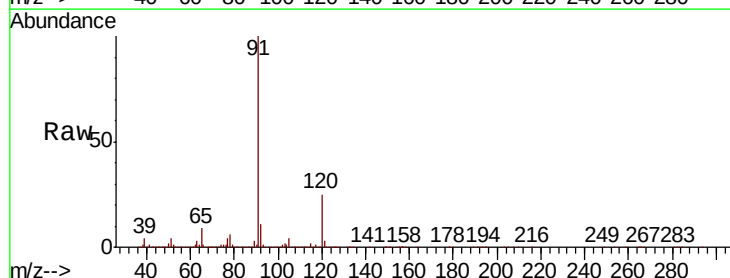
Acq: 18 Dec 2018 12:31

Tgt Ion: 91 Resp: 3433536

Ion Ratio Lower Upper

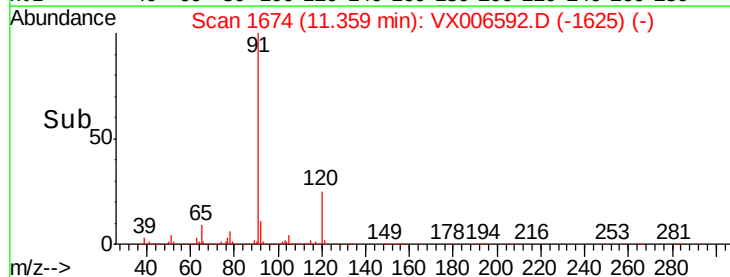
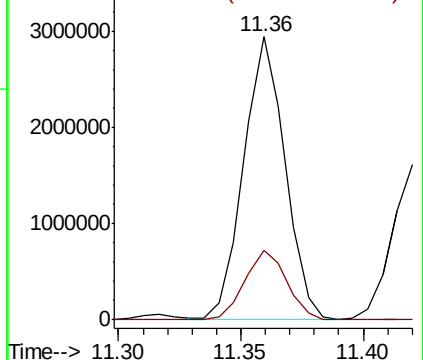
91 100

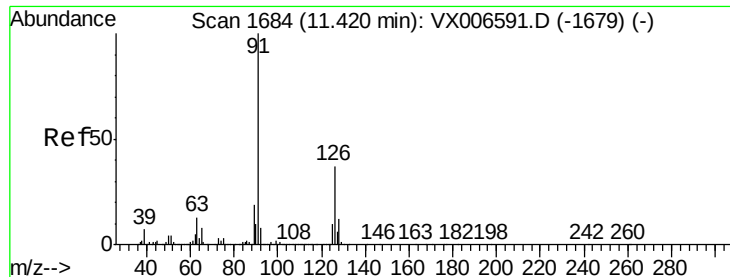
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.510 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

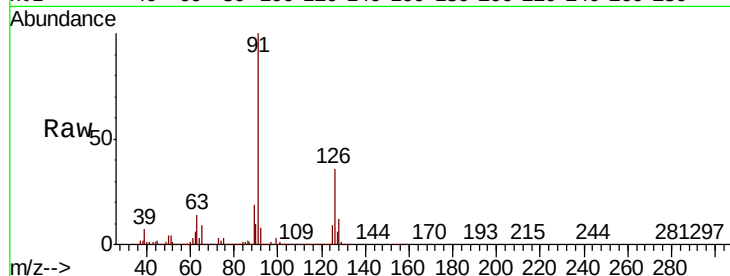
VSTDIC100

Tgt Ion: 91 Resp: 1976527

Ion Ratio Lower Upper

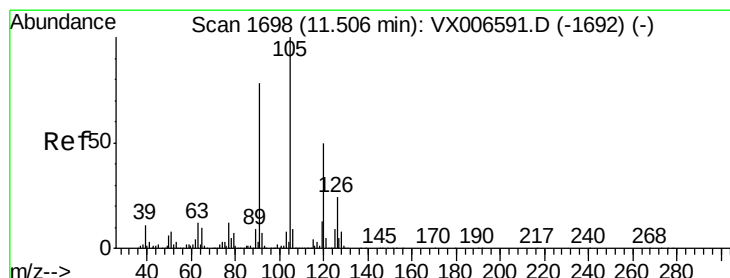
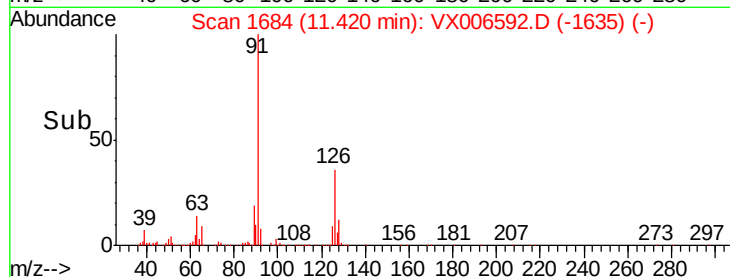
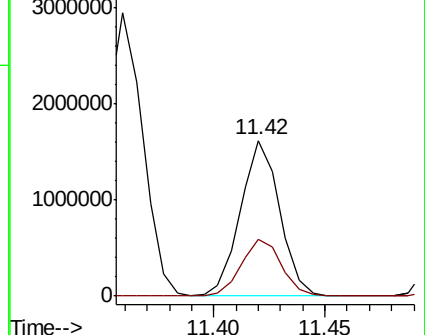
91 100

126 37.6 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 98.695 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006592.D

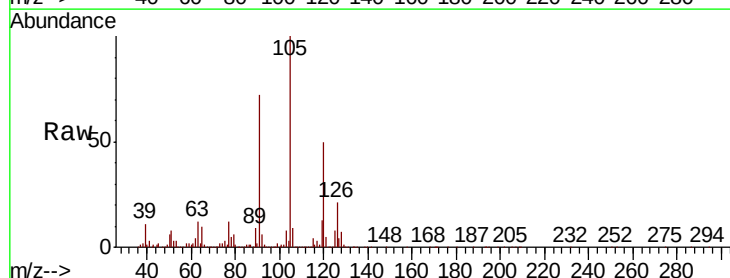
Acq: 18 Dec 2018 12:31

Tgt Ion: 105 Resp: 2520899

Ion Ratio Lower Upper

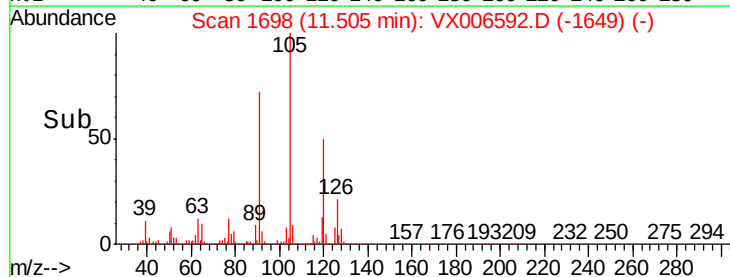
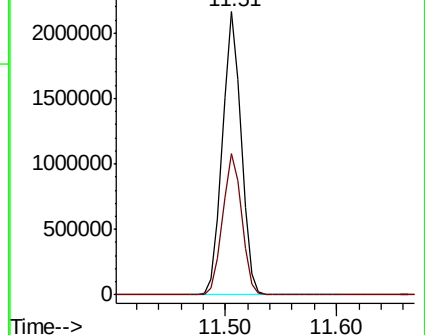
105 100

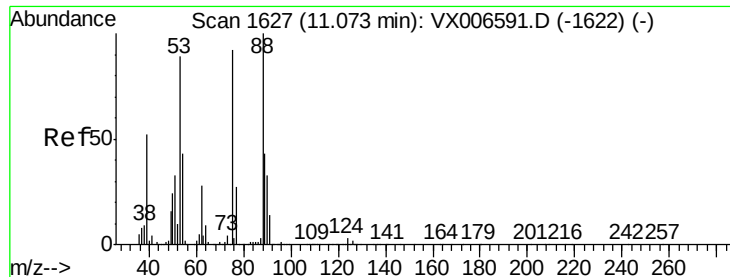
120 50.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 121.061 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

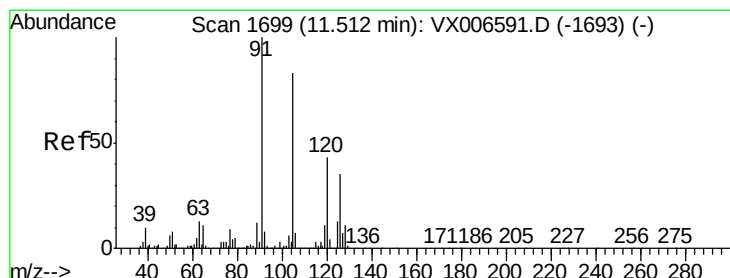
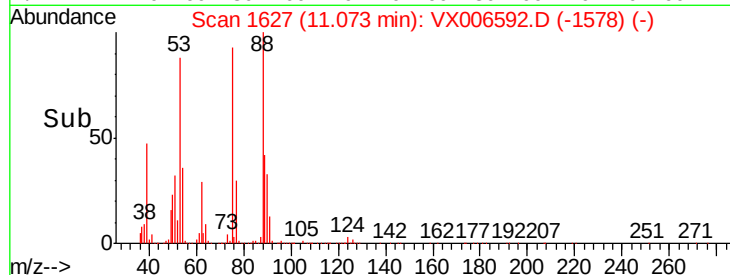
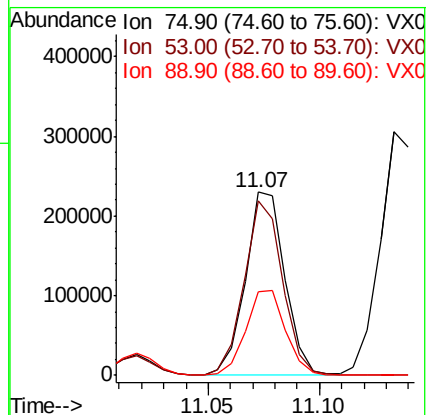
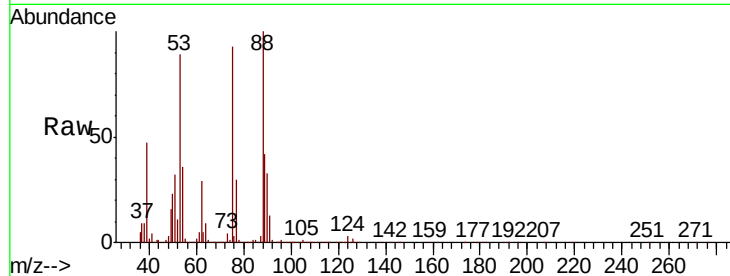
Tgt Ion: 75 Resp: 284714

Ion Ratio Lower Upper

75 100

53 92.6 79.7 119.5

89 46.9 38.0 57.0



#82

4-Chlorotoluene

Concen: 97.899 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006592.D

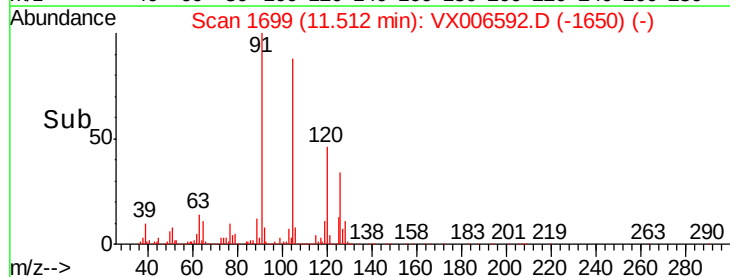
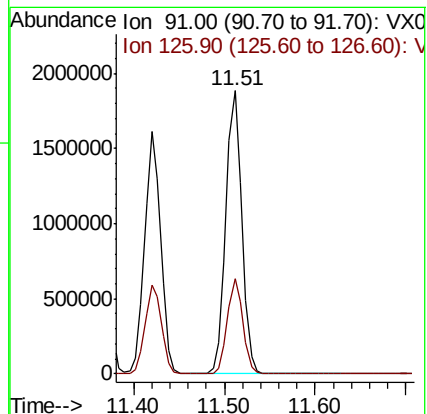
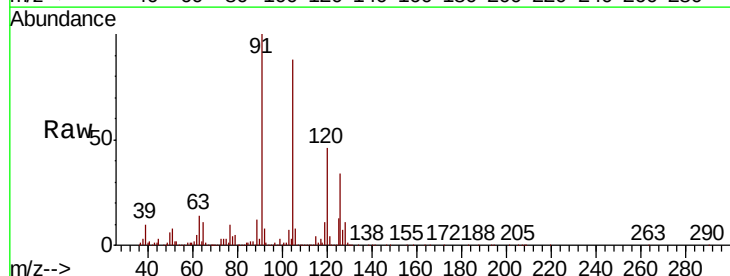
Acq: 18 Dec 2018 12:31

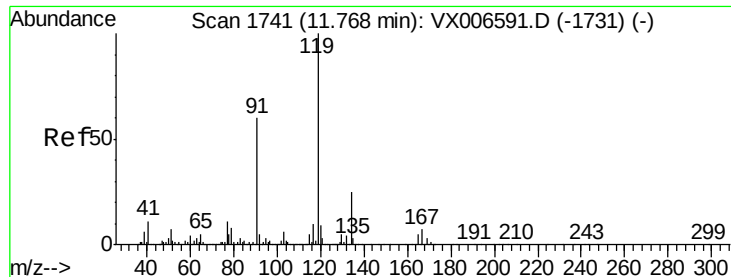
Tgt Ion: 91 Resp: 2323933

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9

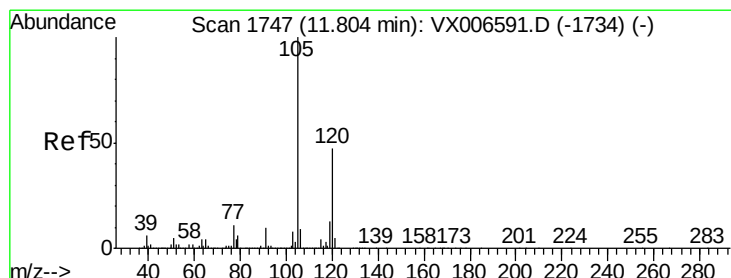
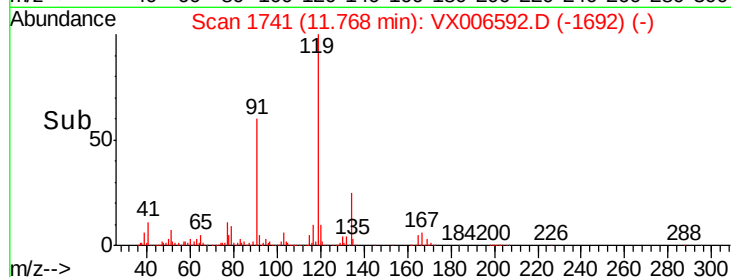
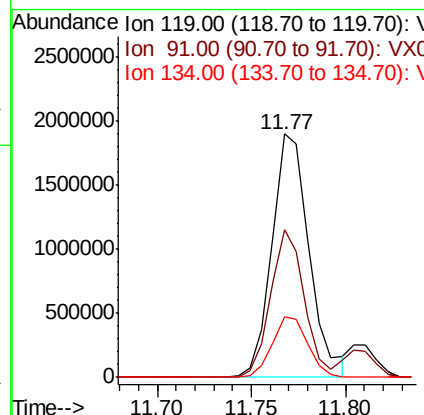
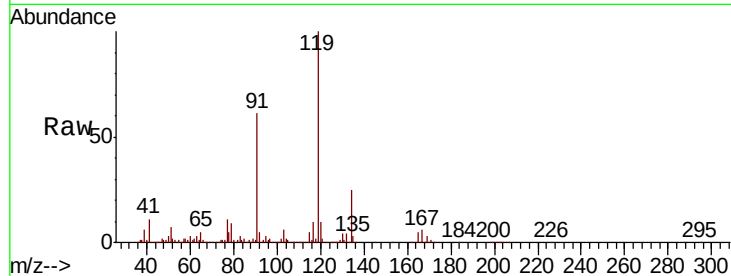




#83
 tert-Butylbenzene
 Concen: 101.535 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

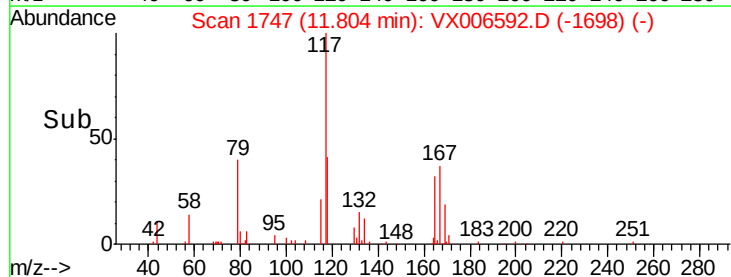
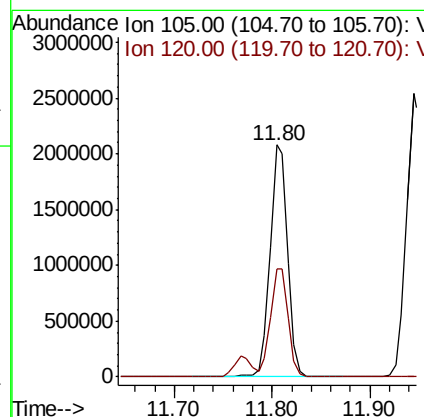
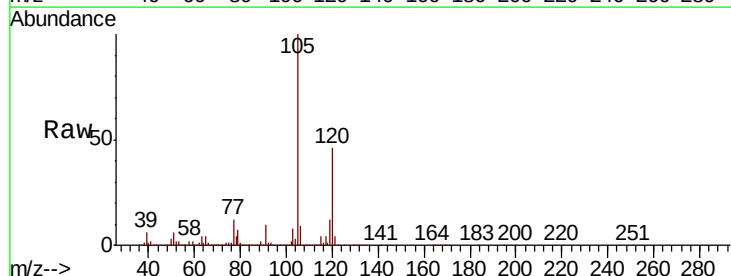
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

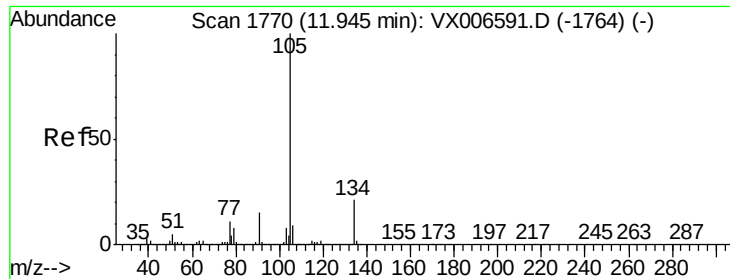
Tgt Ion:119 Resp: 2595611
 Ion Ratio Lower Upper
 119 100
 91 54.7 27.7 83.1
 134 24.0 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 96.498 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:105 Resp: 2592529
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 99.231 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

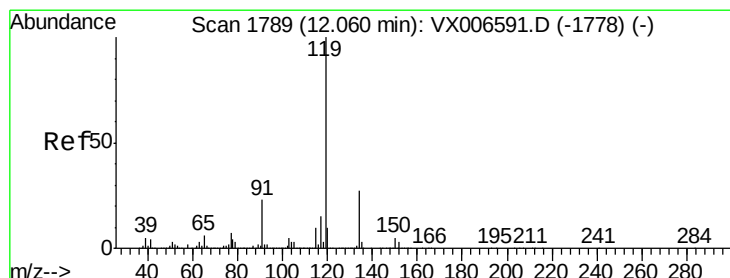
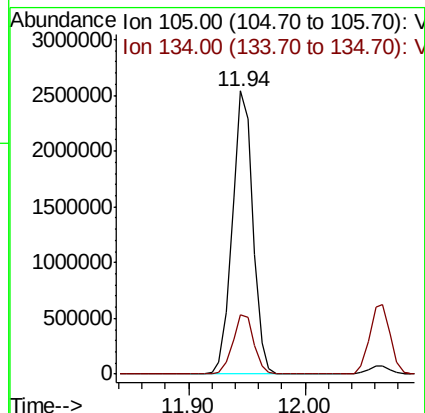
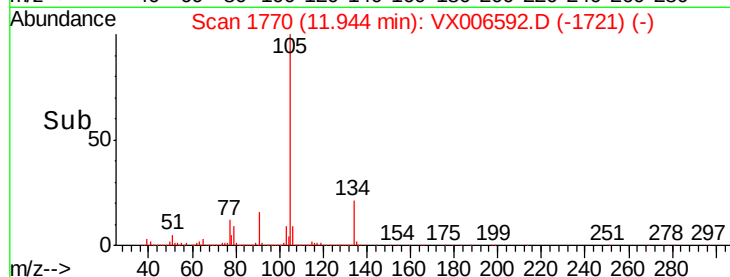
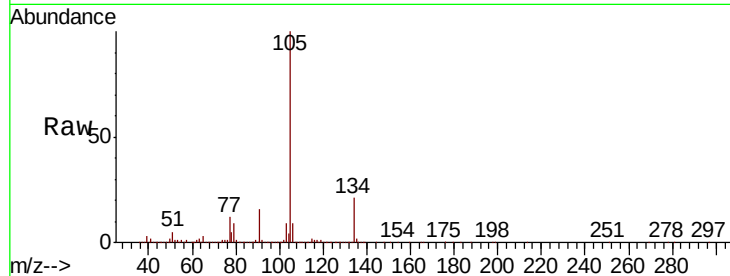
VSTDIC100

Tgt Ion:105 Resp: 3110162

Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9



#86

p-Isopropyltoluene

Concen: 101.467 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

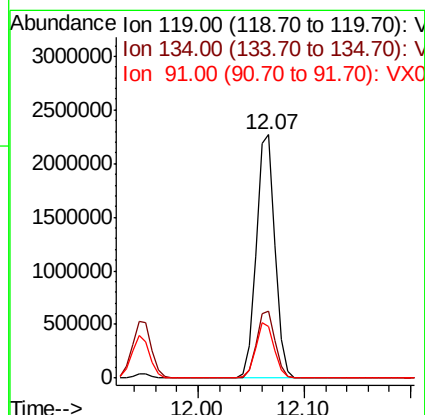
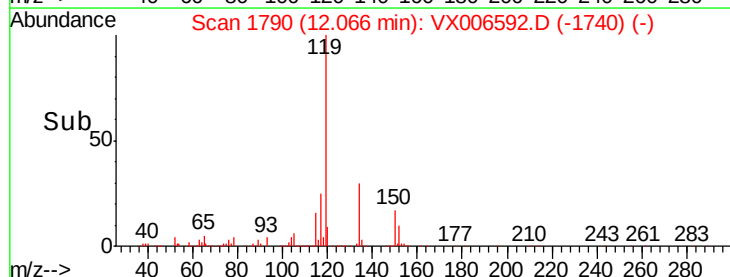
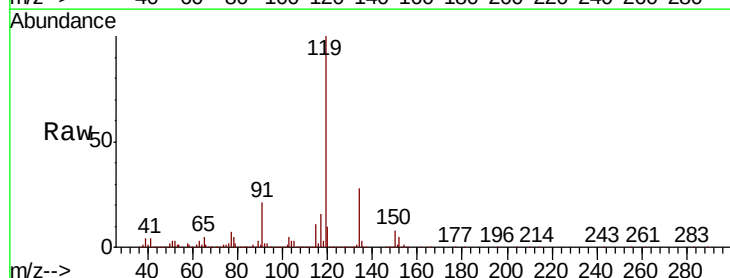
Tgt Ion:119 Resp: 2795553

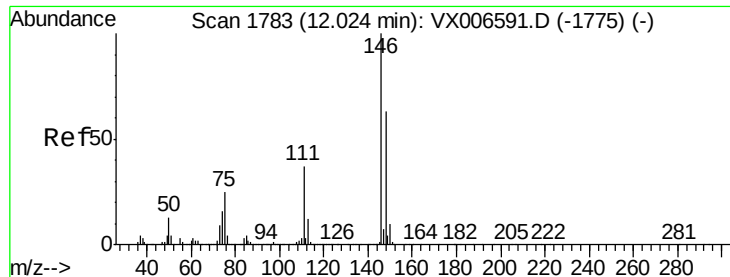
Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

91 22.4 11.3 33.9

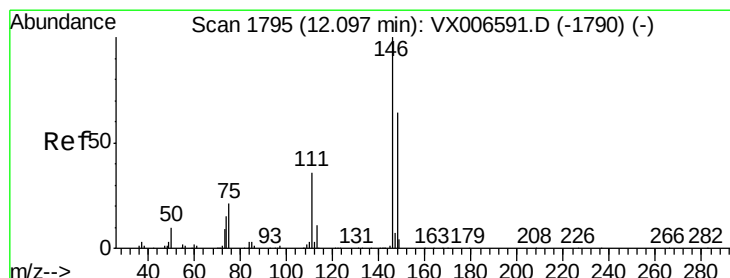
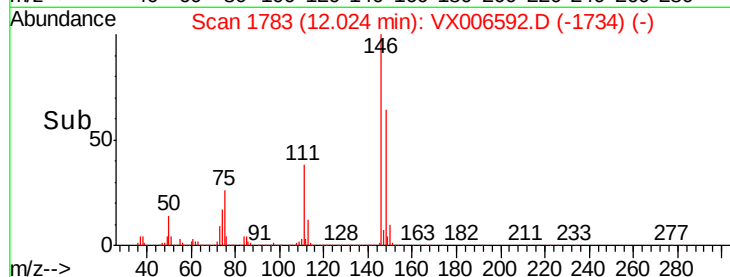
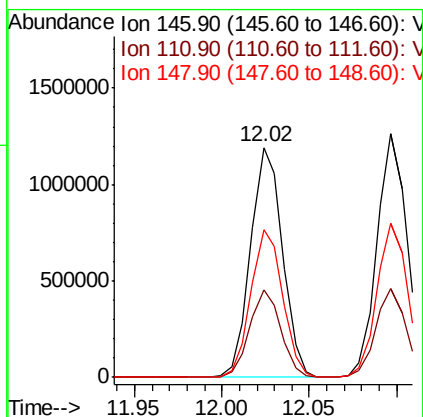
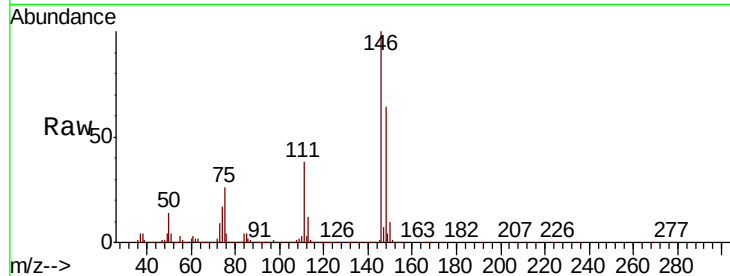




#87
 1,3-Dichlorobenzene
 Concen: 100.145 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

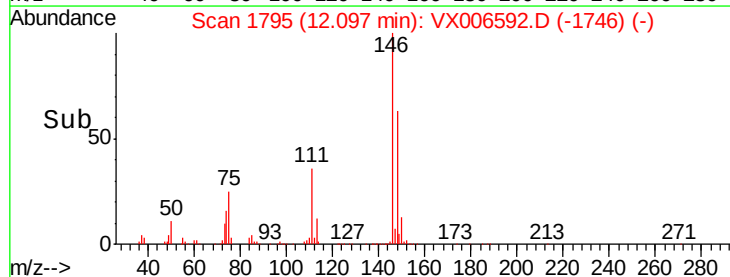
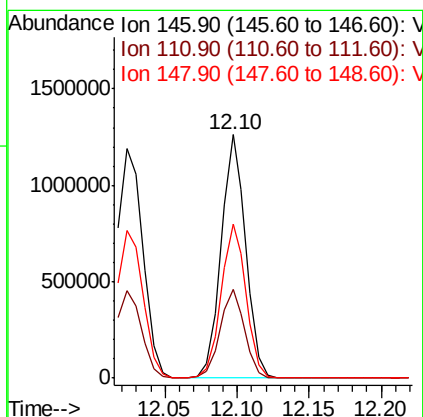
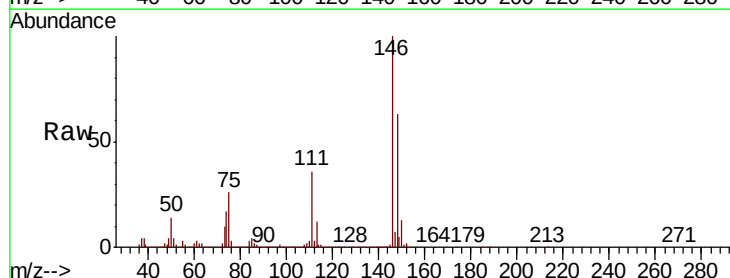
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

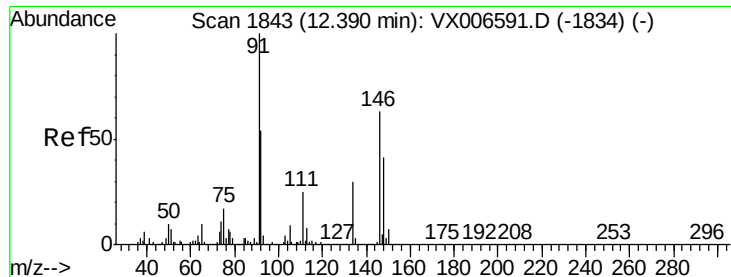
Tgt Ion:146 Resp: 1513159
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 97.362 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:146 Resp: 1509885
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.1
 148 64.5 31.9 95.9





#89

n-Butylbenzene

Concen: 104.598 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

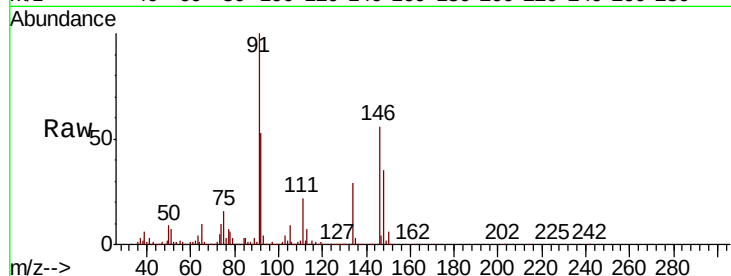
Tgt Ion: 91 Resp: 2452564

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.4

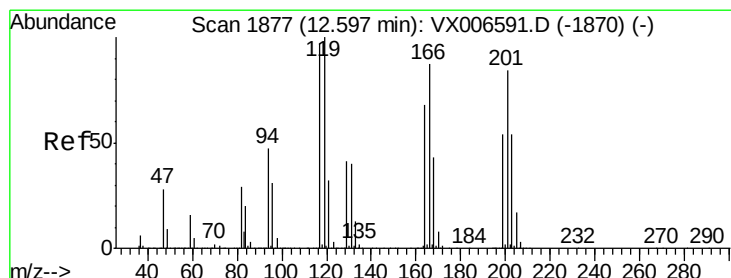
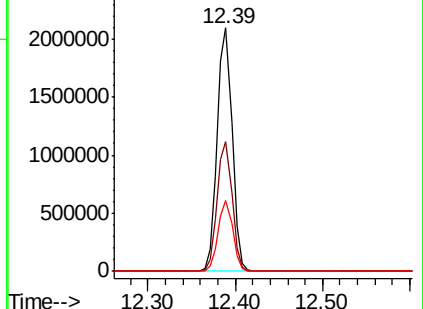
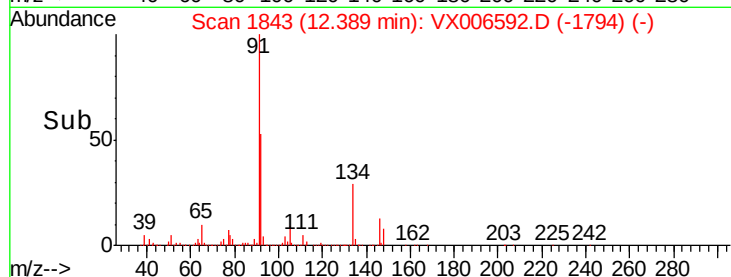
134 28.8 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX006591.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX006591.D (-1834) (-)



#90

Hexachloroethane

Concen: 117.791 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX006592.D

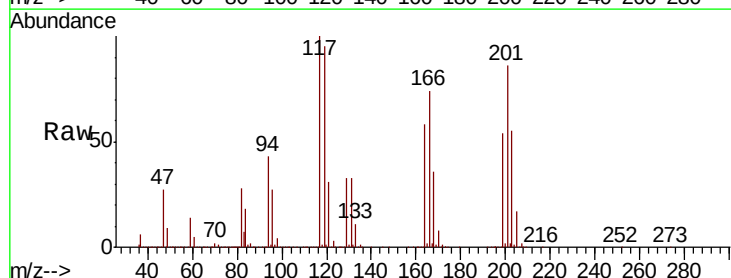
Acq: 18 Dec 2018 12:31

Tgt Ion: 117 Resp: 442082

Ion Ratio Lower Upper

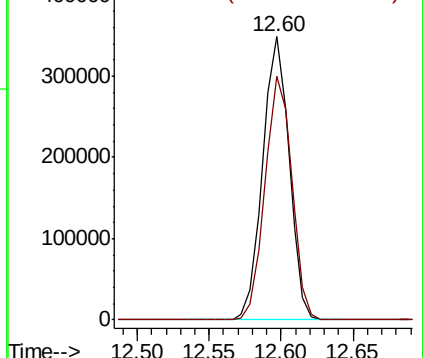
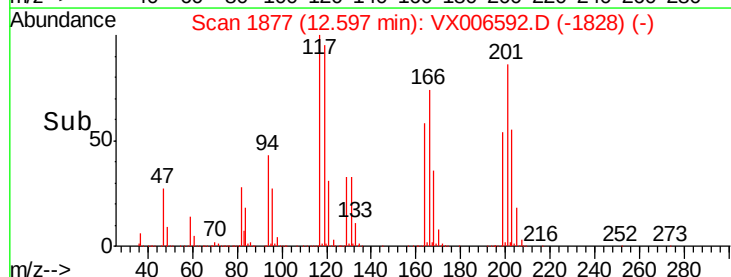
117 100

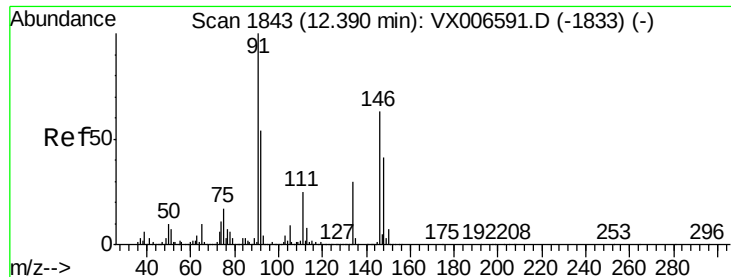
201 87.4 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): VX006591.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX006591.D (-1870) (-)





#91

1,2-Dichlorobenzene

Concen: 97.573 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

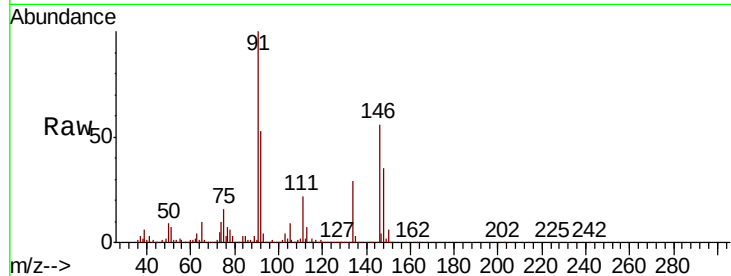
Tgt Ion:146 Resp: 1474812

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.2

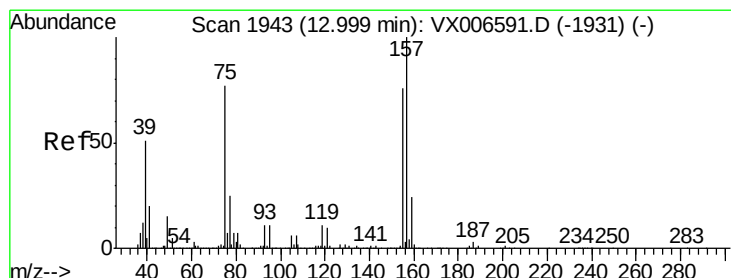
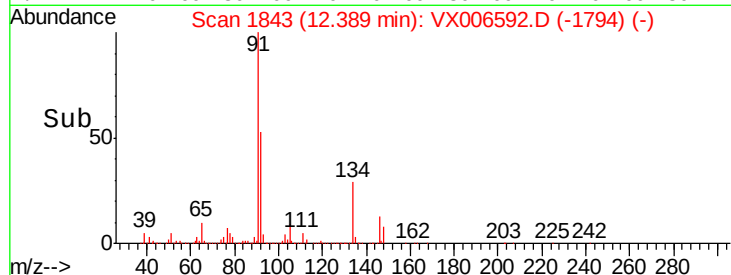
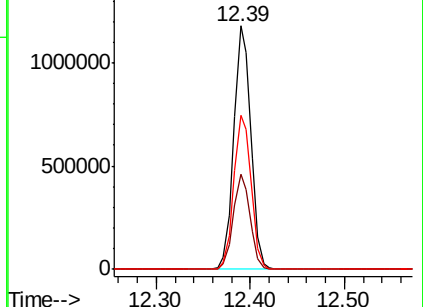
148 64.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.582 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

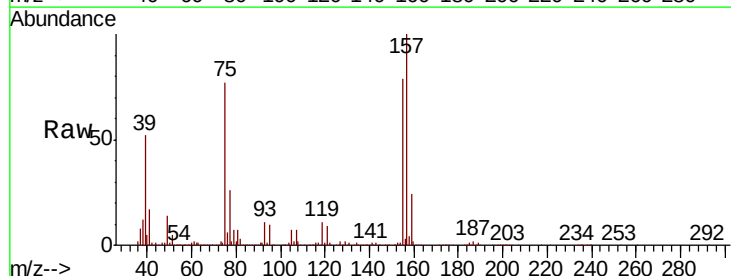
Tgt Ion: 75 Resp: 207204

Ion Ratio Lower Upper

75 100

155 104.0 50.6 151.8

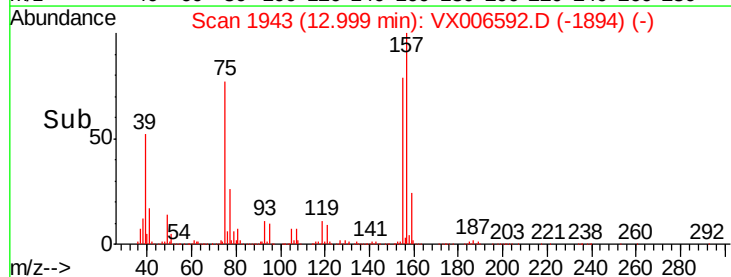
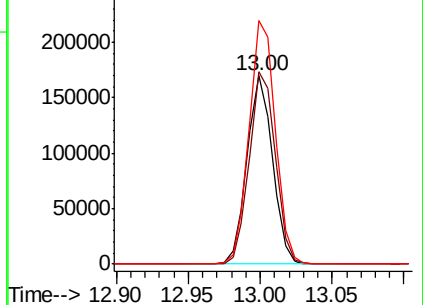
157 132.7 64.6 193.8

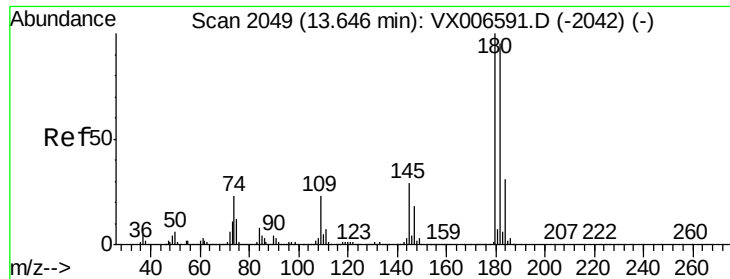


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

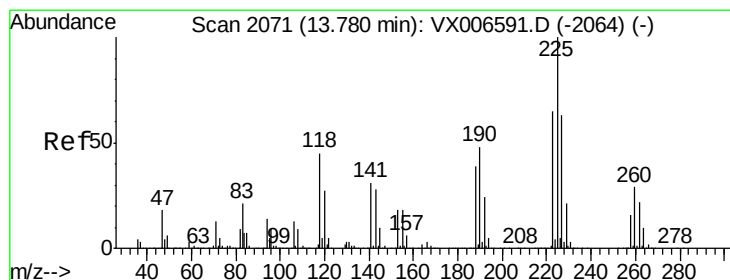
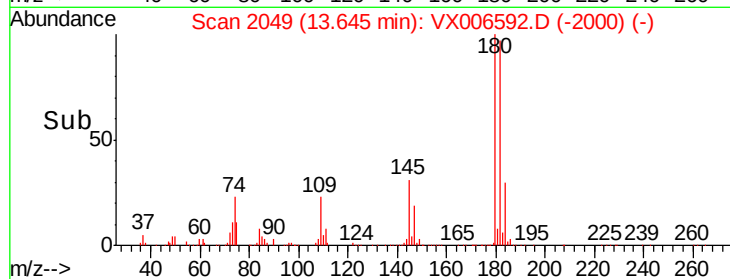
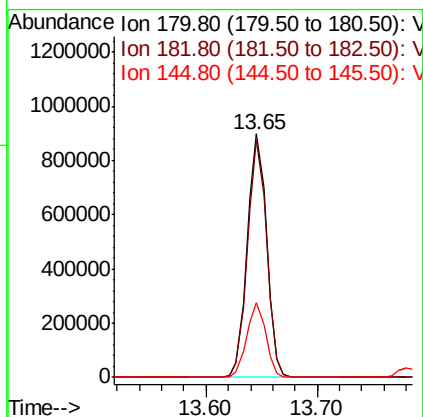
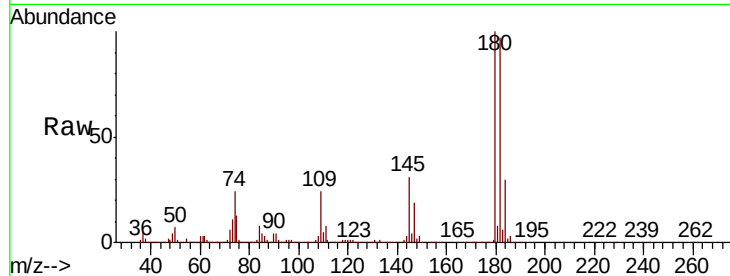




#93
 1,2,4-Trichlorobenzene
 Concen: 104.104 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

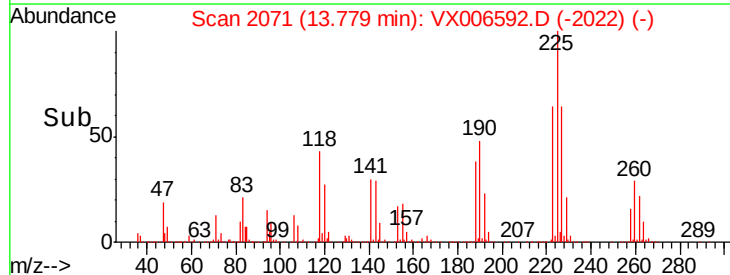
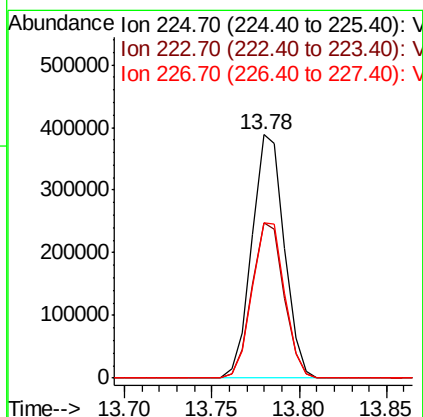
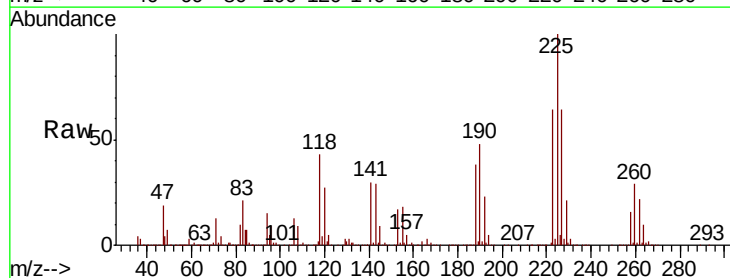
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

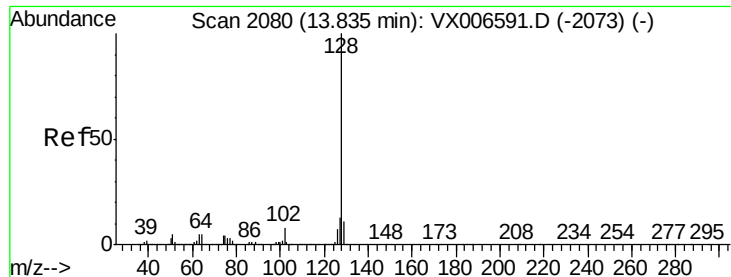
Tgt Ion:180 Resp: 1085409
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.3 142.0
 145 30.0 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 101.522 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:225 Resp: 498913
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.1 96.3
 227 64.1 32.3 96.8





#95

Naphthalene

Concen: 100.781 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

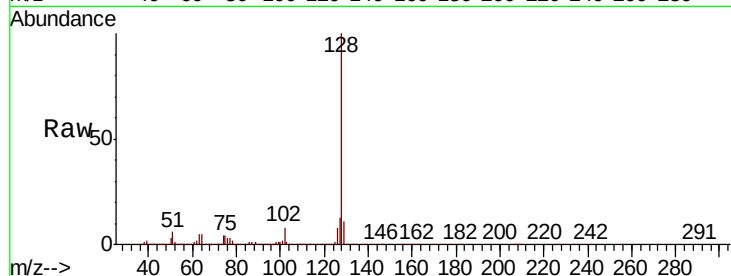
MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 3353687

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.6	13.0

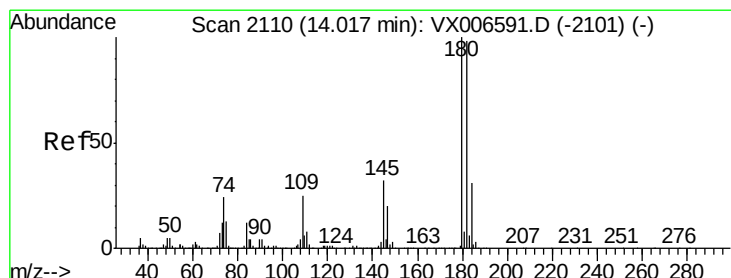
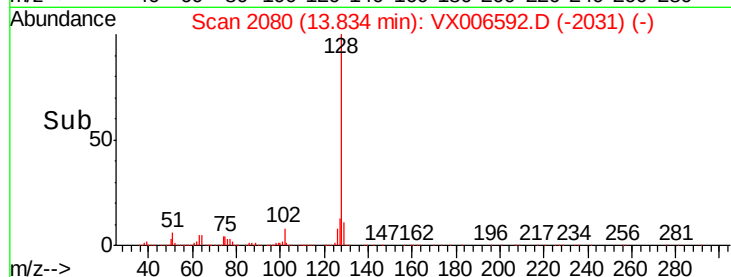
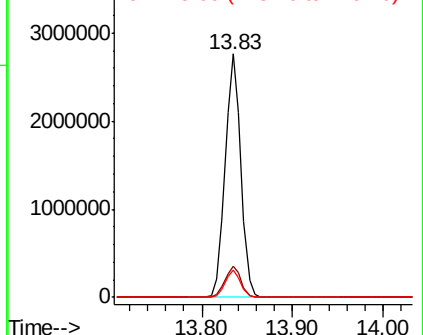


Abundance

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: 100.511 ug/l

RT: 14.02 min Scan# 2111

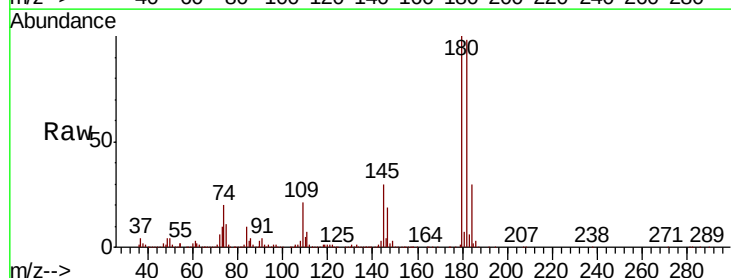
Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:180 Resp: 1081997

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.5
145	31.3	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

