

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062518\
 Data File : VX002858.D
 Acq On : 25 Jun 2018 11:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 25 12:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61612	18.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.60%	
35) Dibromofluoromethane	5.51	113	47275	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	8.72	98	175749	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
62) 4-Bromofluorobenzene	11.14	95	63837	18.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31765	13.504	ug/l	98
3) Chloromethane	1.32	50	36255	12.957	ug/l	98
4) Vinyl Chloride	1.40	62	38830	13.373	ug/l	94
5) Bromomethane	1.64	94	22981	13.117	ug/l	98
6) Chloroethane	1.73	64	26302	13.743	ug/l	99
7) Trichlorofluoromethane	1.93	101	66980	14.198	ug/l	100
8) Diethyl Ether	2.19	74	24320	13.554	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36964	14.018	ug/l	97
10) Methyl Iodide	2.51	142	30394	9.360	ug/l	98
11) Tert butyl alcohol	3.07	59	50560	72.635	ug/l	97
12) 1,1-Dichloroethene	2.37	96	34642	13.992	ug/l	98
13) Acrolein	2.29	56	32035	90.757	ug/l	98
14) Allyl chloride	2.73	41	70100	14.260	ug/l	98
15) Acrylonitrile	3.15	53	107420	70.719	ug/l	99
16) Acetone	2.45	43	108651	73.138	ug/l	99
17) Carbon Disulfide	2.57	76	88880	15.136	ug/l	99
18) Methyl Acetate	2.78	43	62536	15.801	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	126617	13.633	ug/l	98
20) Methylene Chloride	2.86	84	40335	13.242	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	37425	13.934	ug/l	95
22) Diisopropyl ether	3.87	45	127879	14.378	ug/l	94
23) Vinyl Acetate	3.83	43	550627	73.970	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71358	14.782	ug/l	99
25) 2-Butanone	4.71	43	154240	79.060	ug/l	100
26) 2,2-Dichloropropane	4.59	77	56661	16.336	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42453	15.534	ug/l	84
28) Bromochloromethane	5.03	49	27665	12.238	ug/l	95
29) Tetrahydrofuran	5.17	42	95199	74.456	ug/l	96
30) Chloroform	5.22	83	73735	15.840	ug/l	92
31) Cyclohexane	5.57	56	58774	14.788	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	63095	16.206	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51025	15.723	ug/l	99
37) Ethyl Acetate	4.87	43	57615	15.685	ug/l	98
38) Carbon Tetrachloride	5.79	117	55770	17.258	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58844	15.511	ug/l	97
40) Benzene	6.15	78	152910	15.714	ug/l	99
41) Methacrylonitrile	5.07	41	33593	16.198	ug/l	98
42) 1,2-Dichloroethane	6.20	62	63042	16.734	ug/l	100
43) Isopropyl Acetate	6.47	43	92120	15.137	ug/l	98
44) Trichloroethene	7.21	130	45370	16.154	ug/l	97
45) 1,2-Dichloropropane	7.52	63	40778	15.923	ug/l	98
46) Dibromomethane	7.66	93	28595	16.692	ug/l	98
47) Bromodichloromethane	7.90	83	51012	16.883	ug/l #	96
48) Methyl methacrylate	7.78	41	48232	15.509	ug/l	97
49) 1,4-Dioxane	7.76	88	19799	336.178	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	299868	76.742	ug/l	99
52) Toluene	8.79	92	98115	15.806	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59009	16.598	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	54001	16.398	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	41523	16.555	ug/l	97
56) Ethyl methacrylate	9.18	69	58056	15.041	ug/l	97
57) 1,3-Dichloropropane	9.38	76	68030	16.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	209004	111.951	ug/l	98
59) 2-Hexanone	9.50	43	230302	78.216	ug/l	99
60) Dibromochloromethane	9.59	129	40939	16.909	ug/l	99
61) 1,2-Dibromoethane	9.68	107	42530	16.372	ug/l	100
64) Tetrachloroethene	9.34	164	50048	15.280	ug/l	98
65) Chlorobenzene	10.14	112	113050	15.600	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	41020	16.603	ug/l	100
67) Ethyl Benzene	10.26	91	187076	15.305	ug/l	97
68) m/p-Xylenes	10.36	106	143282	30.389	ug/l	99
69) o-Xylene	10.70	106	70892	15.303	ug/l	98
70) Styrene	10.71	104	112517	14.769	ug/l	99
71) Bromoform	10.86	173	30648	16.507	ug/l #	99
73) Isopropylbenzene	11.02	105	187770	16.006	ug/l	98
74) N-amyl acetate	6.47	43	92120	15.805	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	58698	16.944	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	66140	19.983	ug/l	80
77) Bromobenzene	11.26	156	53162	16.266	ug/l	98
78) n-propylbenzene	11.37	91	214439	15.939	ug/l	100
79) 2-Chlorotoluene	11.42	91	129861	16.167	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	158430	15.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	14125	16.145	ug/l	89
82) 4-Chlorotoluene	11.51	91	151892	16.025	ug/l	99
83) tert-Butylbenzene	11.77	119	155128	16.243	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	163447	16.157	ug/l	98
85) sec-Butylbenzene	11.95	105	186174	15.677	ug/l	99
86) p-Isopropyltoluene	12.07	119	167198	15.560	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	95570	15.946	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97908	16.055	ug/l	100
89) n-Butylbenzene	12.39	91	141639	14.942	ug/l	100
90) Hexachloroethane	12.60	117	23433	15.800	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	97539	16.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	11916	16.421	ug/l	100

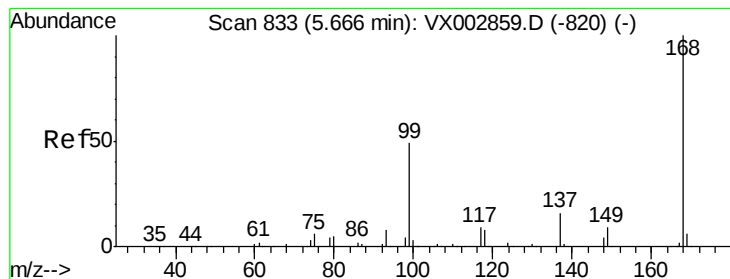
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68484	15.643	ug/l	99
94) Hexachlorobutadiene	13.79	225	34569	14.989	ug/l	99
95) Naphthalene	13.84	128	187662	15.929	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	70940	16.133	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

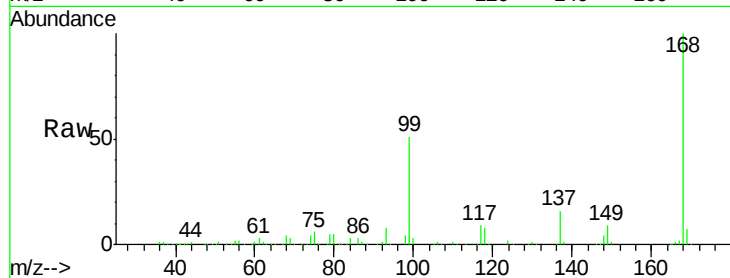
VSTDIC020

Tgt Ion:168 Resp: 221579

Ion Ratio Lower Upper

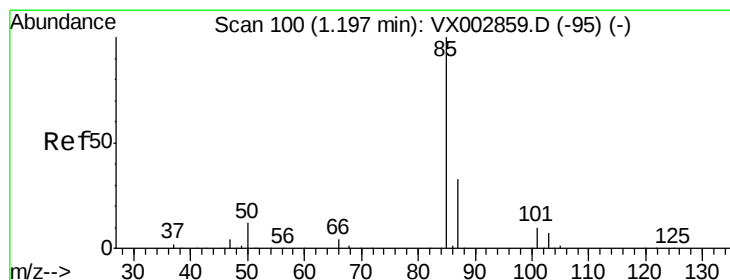
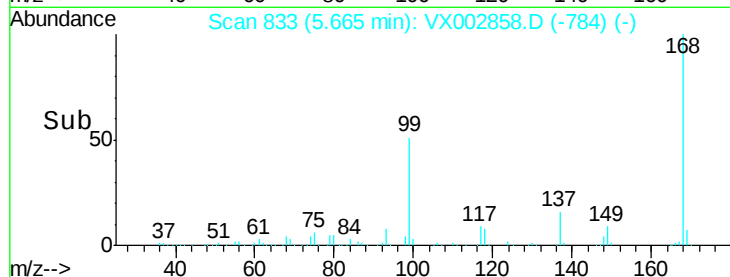
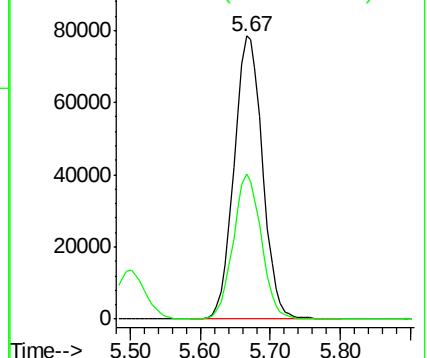
168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 13.504 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002858.D

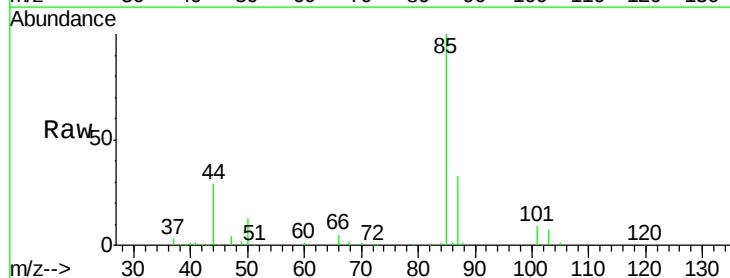
Acq: 25 Jun 2018 11:47

Tgt Ion: 85 Resp: 31765

Ion Ratio Lower Upper

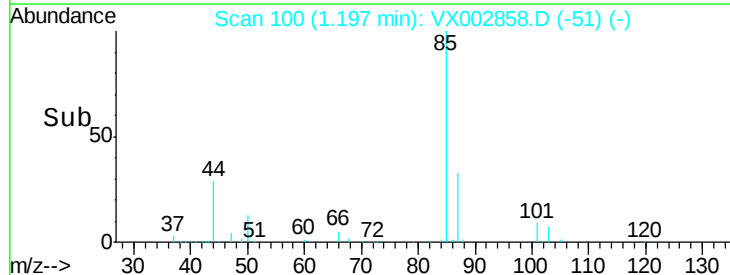
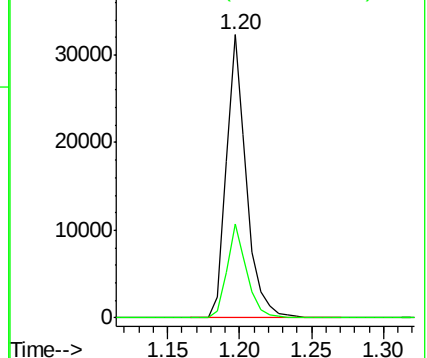
85 100

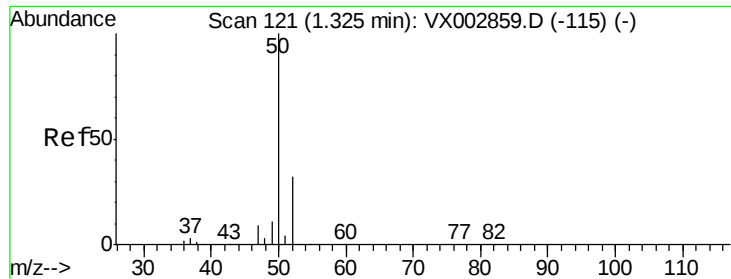
87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

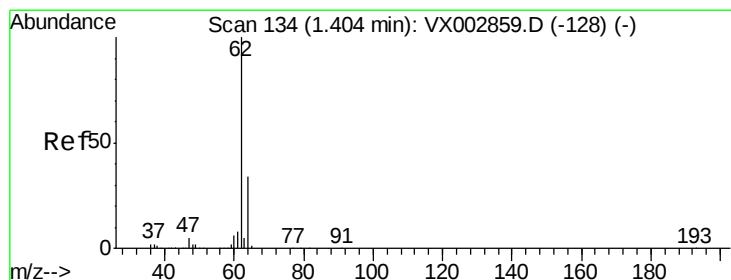
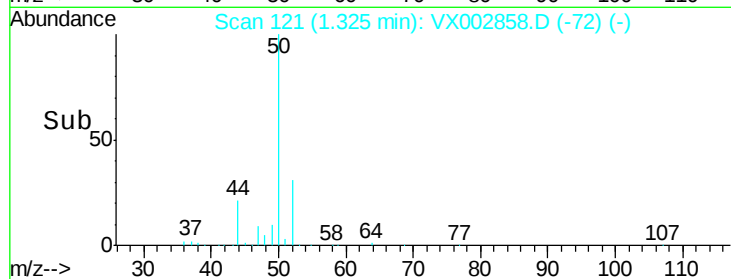
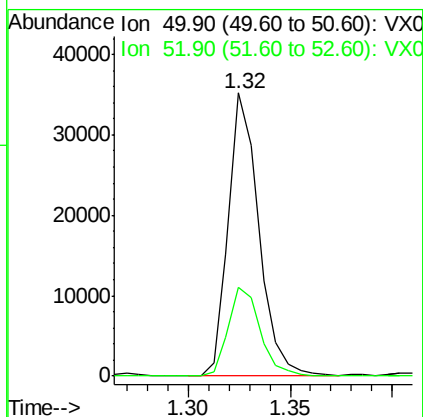
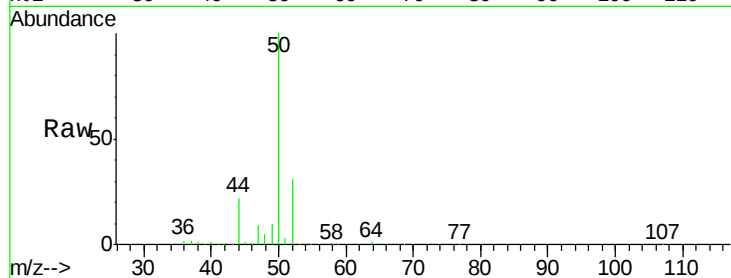




#3
Chloromethane
Concen: 12.957 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

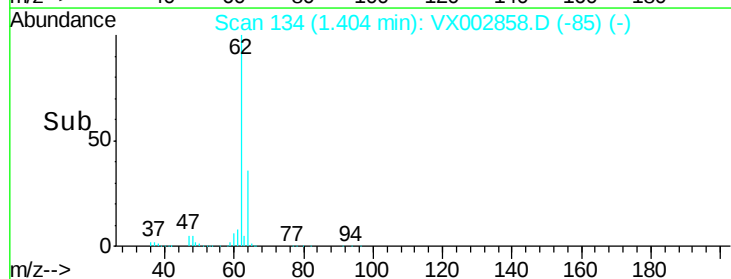
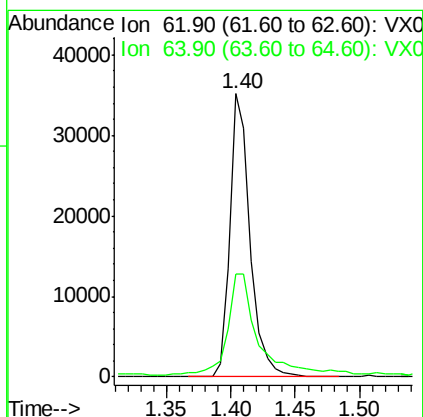
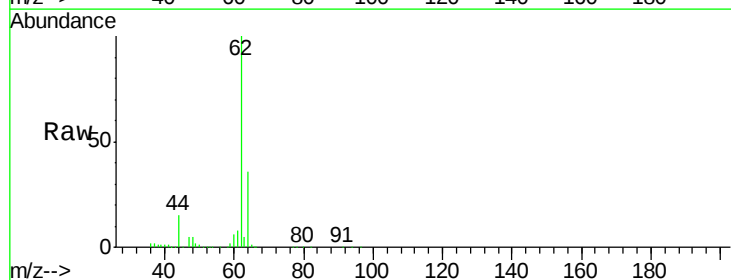
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

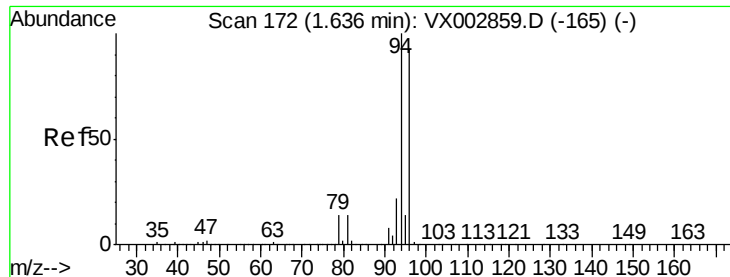
Tgt Ion: 50 Resp: 36255
Ion Ratio Lower Upper
50 100
52 31.2 25.7 38.5



#4
Vinyl Chloride
Concen: 13.373 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 62 Resp: 38830
Ion Ratio Lower Upper
62 100
64 35.0 25.4 38.2





#5

Bromomethane

Concen: 13.117 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

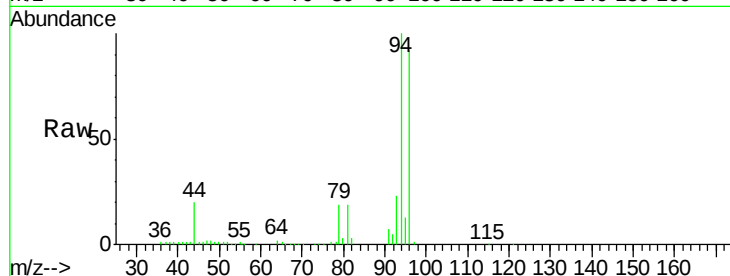
VSTDIC020

Tgt Ion: 94 Resp: 22981

Ion Ratio Lower Upper

94 100

96 91.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

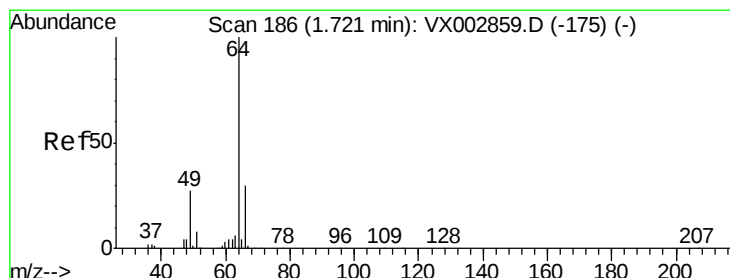
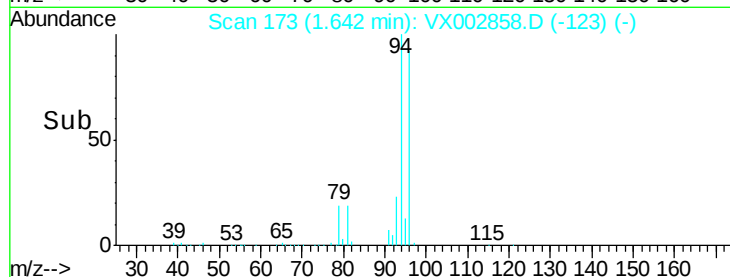
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 13.743 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002858.D

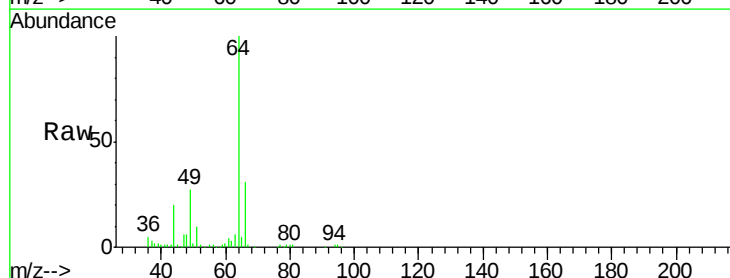
Acq: 25 Jun 2018 11:47

Tgt Ion: 64 Resp: 26302

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

20000

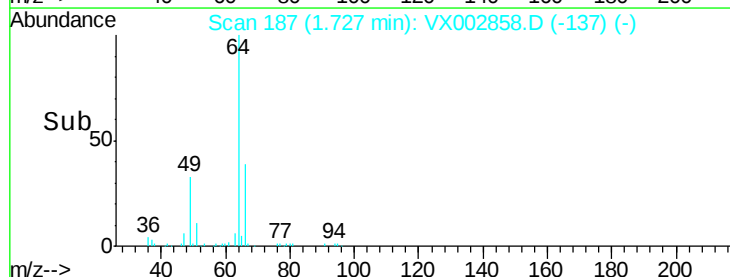
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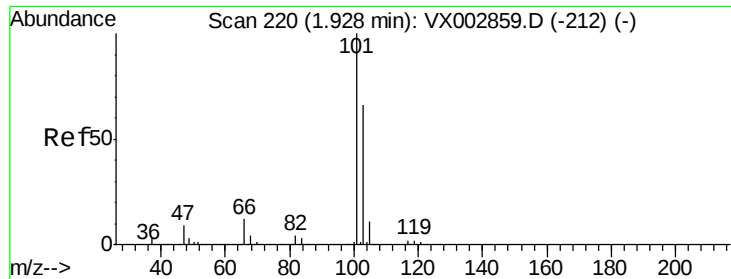
10000

5000

0

Time--> 1.60 1.65 1.70 1.75 1.80



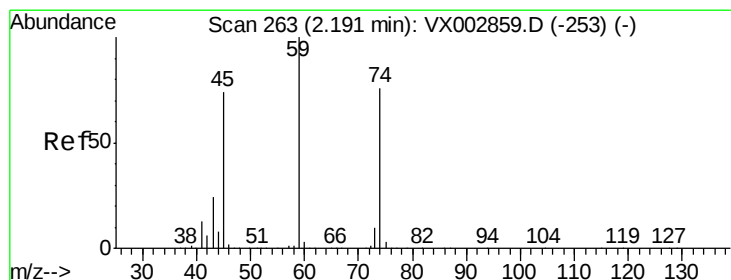
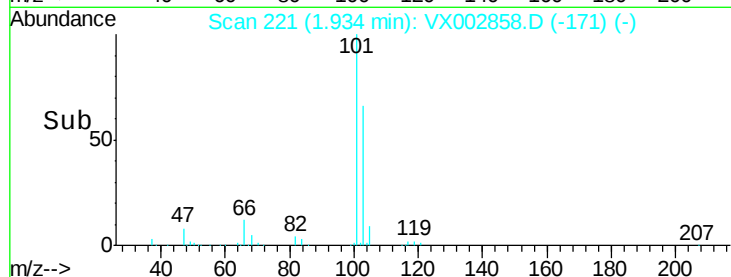
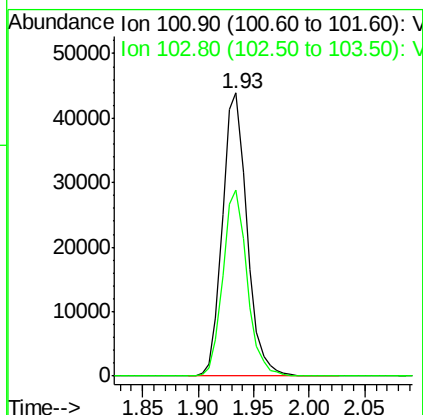
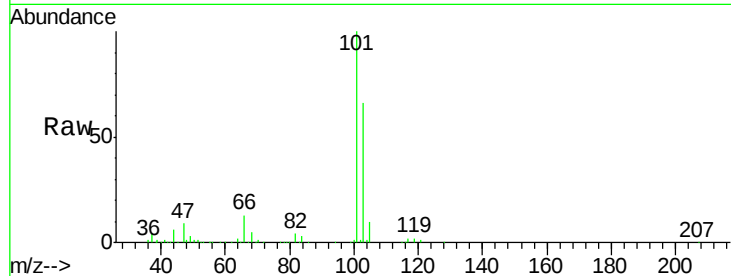


#7

Trichlorofluoromethane
 Concen: 14.198 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
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 ClientSampleId :
 VSTDIC020

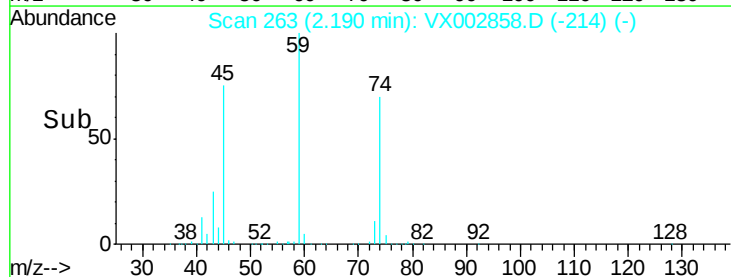
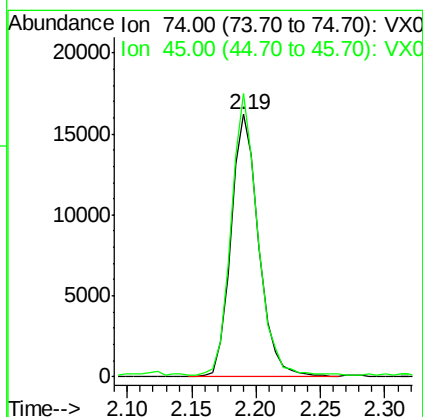
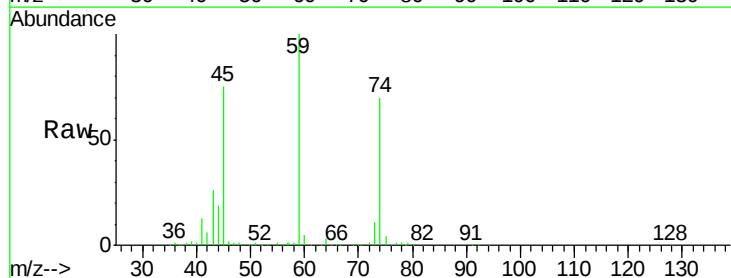
Tgt Ion:101 Resp: 66980
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.8 79.2



#8

Diethyl Ether
 Concen: 13.554 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion: 74 Resp: 24320
 Ion Ratio Lower Upper
 74 100
 45 103.3 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.018 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

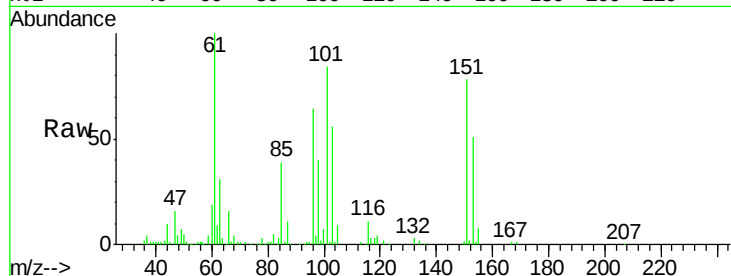
Tgt Ion:101 Resp: 36964

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

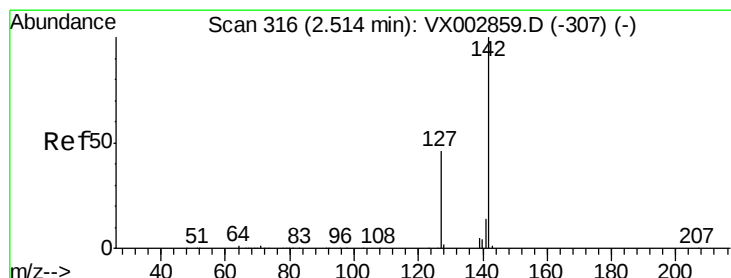
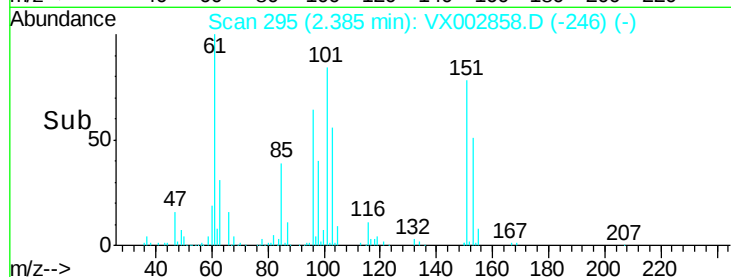
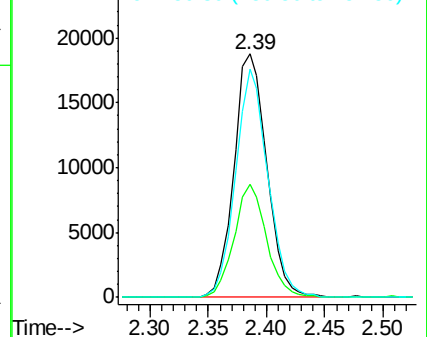
151 91.7 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.360 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

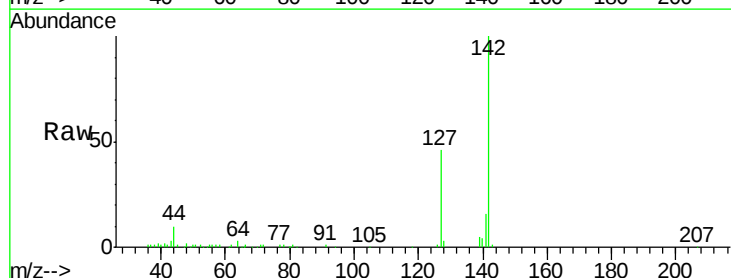
Tgt Ion:142 Resp: 30394

Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

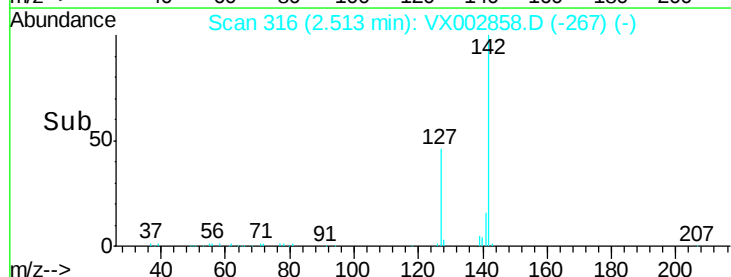
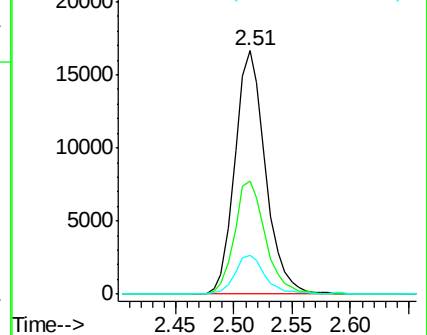
141 15.7 11.3 16.9

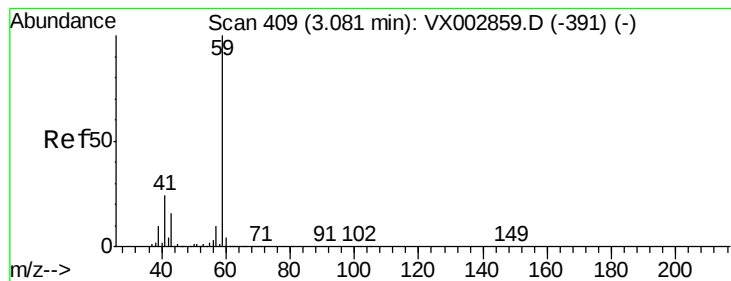


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



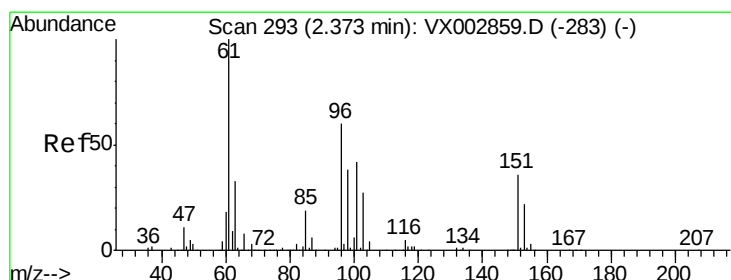
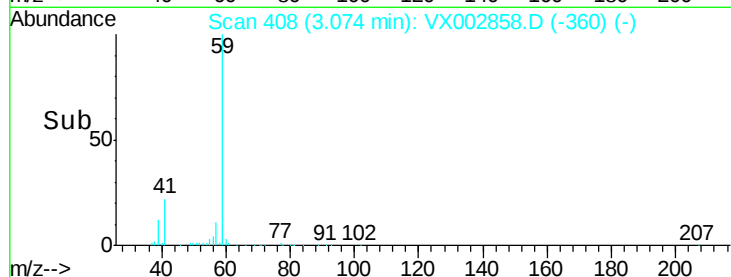
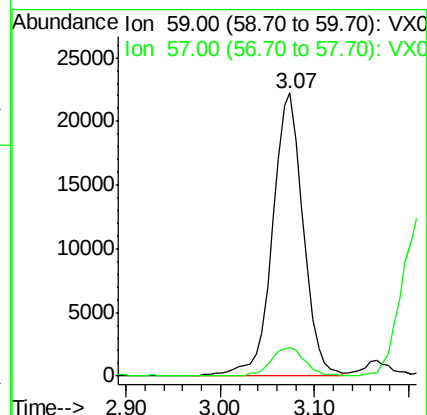
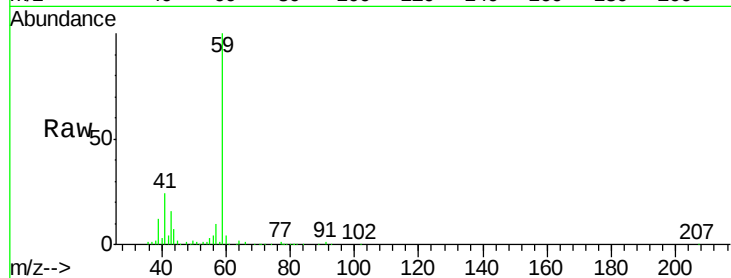


#11

Tert butyl alcohol
 Concen: 72.635 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

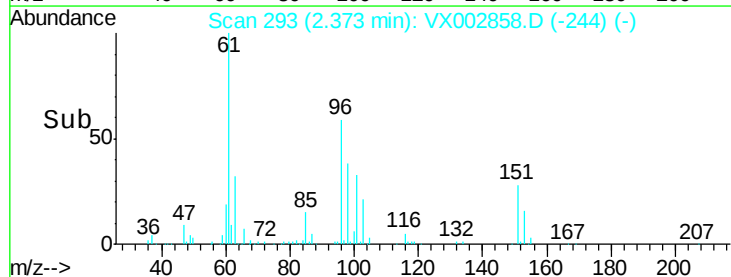
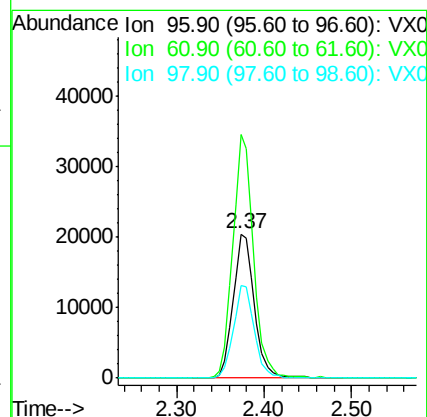
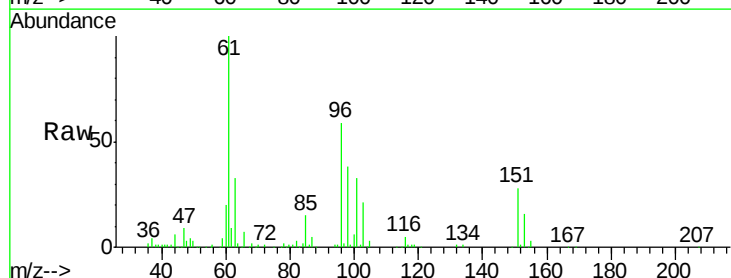
Tgt Ion: 59 Resp: 50560
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.2 12.2

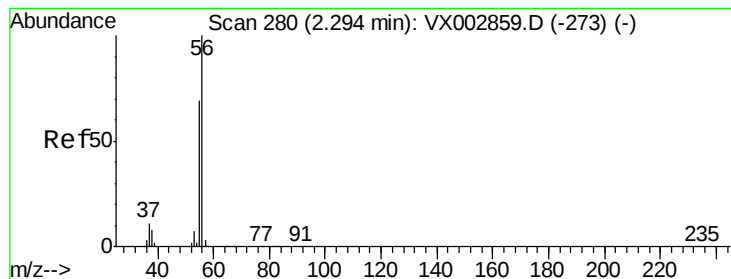


#12

1,1-Dichloroethene
 Concen: 13.992 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion: 96 Resp: 34642
 Ion Ratio Lower Upper
 96 100
 61 168.9 137.9 206.9
 98 64.1 51.6 77.4





#13

Acrolein

Concen: 90.757 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

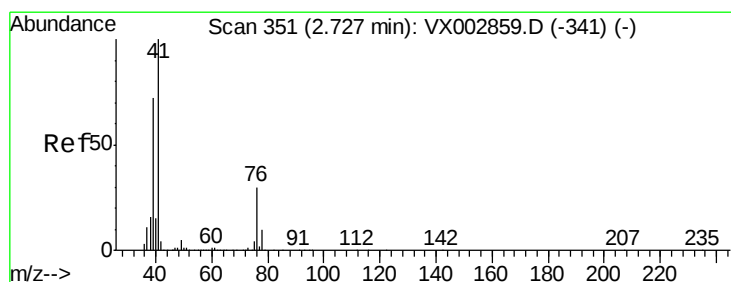
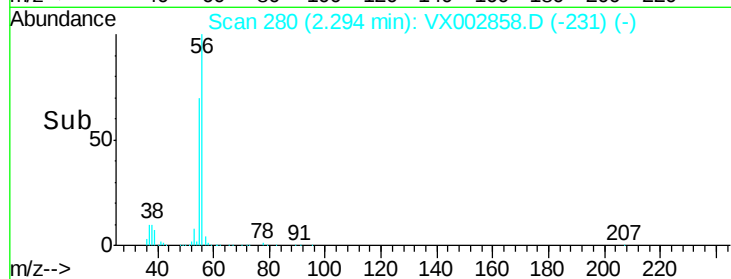
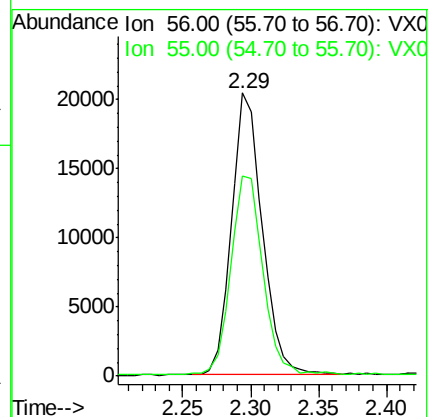
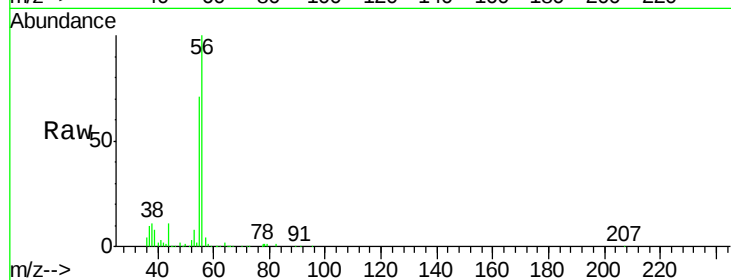
VSTDIC020

Tgt Ion: 56 Resp: 32035

Ion Ratio Lower Upper

56 100

55 73.2 57.0 85.4



#14

Allyl chloride

Concen: 14.260 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

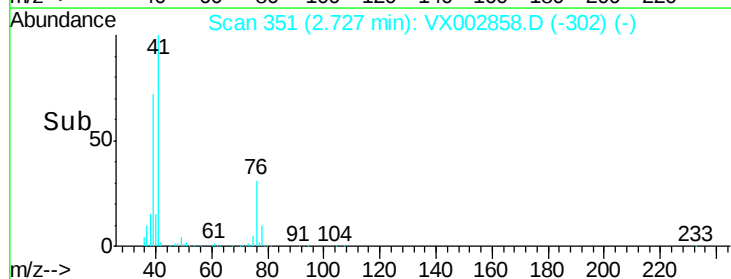
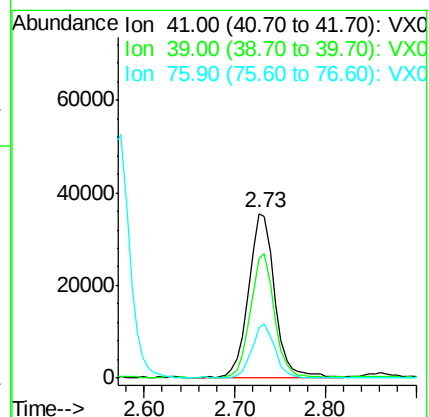
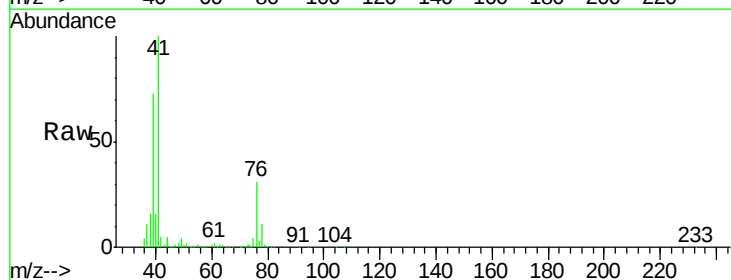
Tgt Ion: 41 Resp: 70100

Ion Ratio Lower Upper

41 100

39 69.1 56.8 85.2

76 30.0 23.8 35.8





#15

Acrylonitrile

Concen: 70.719 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

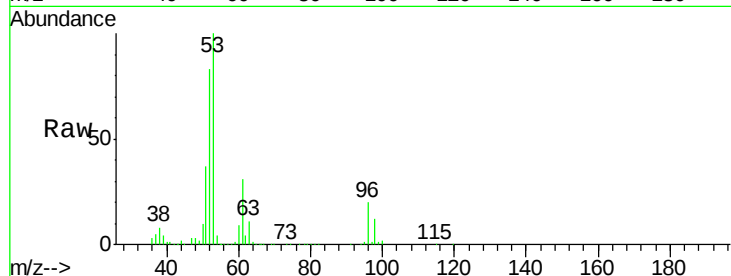
Tgt Ion: 53 Resp: 107420

Ion Ratio Lower Upper

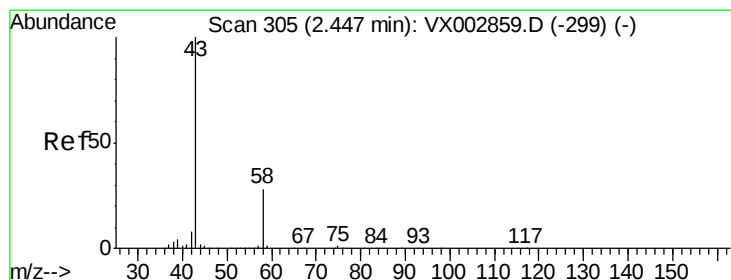
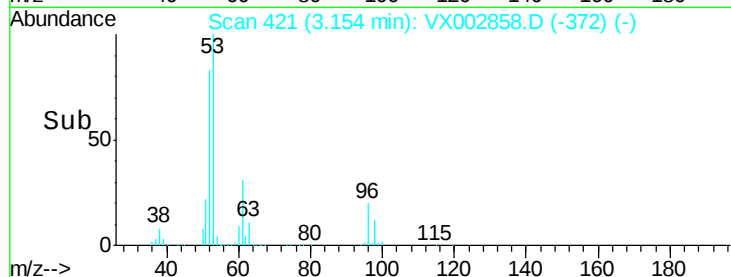
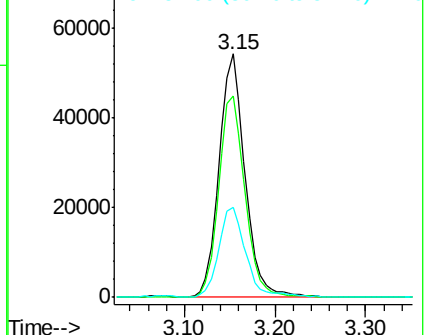
53 100

52 83.9 66.7 100.1

51 38.3 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 73.138 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002858.D

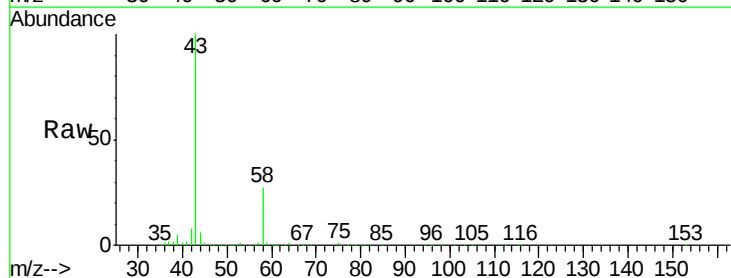
Acq: 25 Jun 2018 11:47

Tgt Ion: 43 Resp: 108651

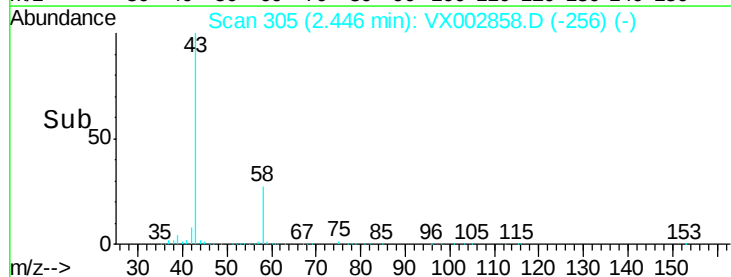
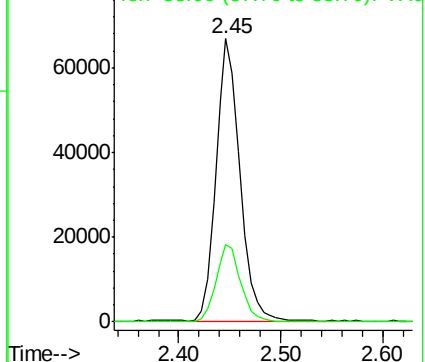
Ion Ratio Lower Upper

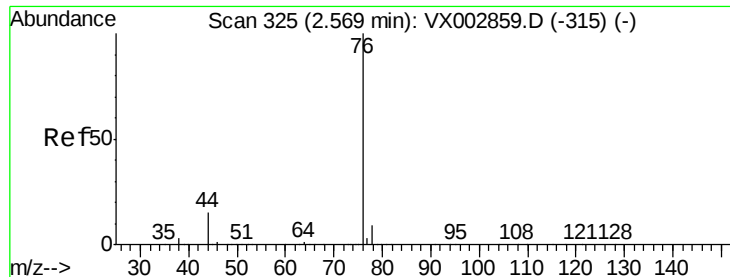
43 100

58 27.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

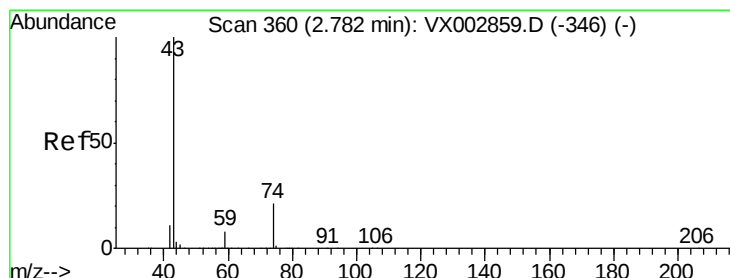
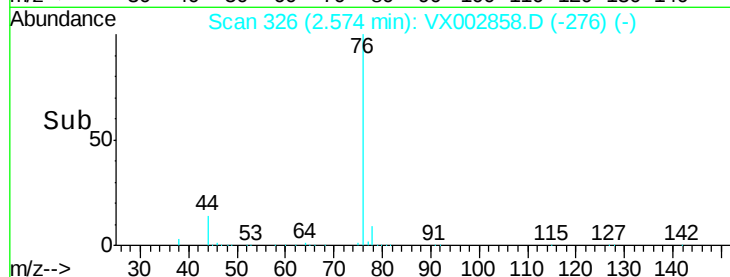
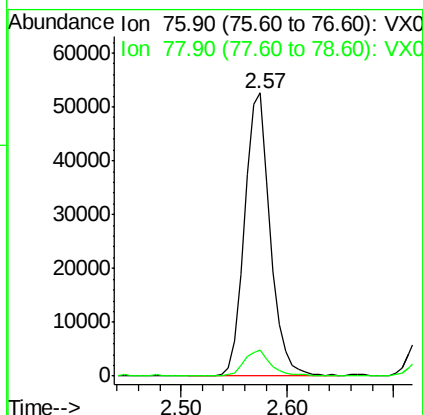
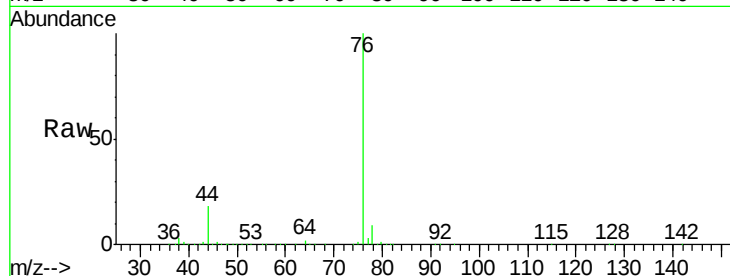




#17
Carbon Disulfide
Concen: 15.136 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

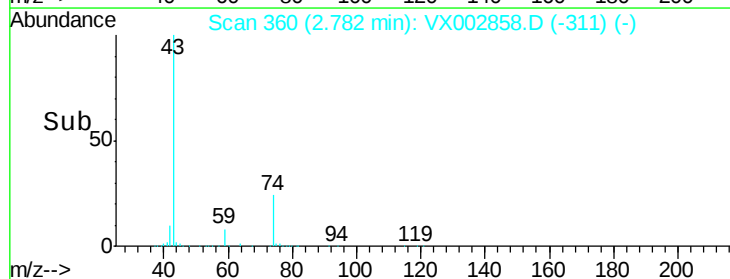
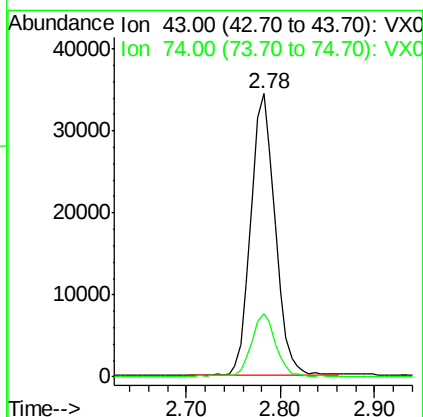
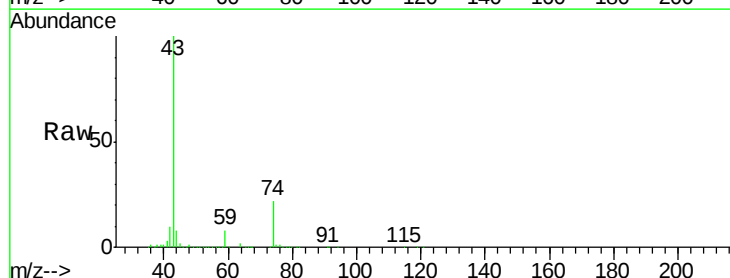
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

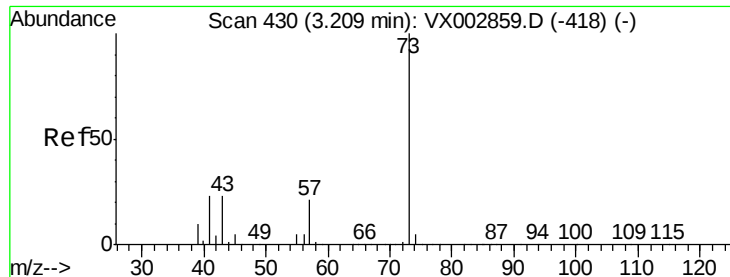
Tgt Ion: 76 Resp: 88880
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 15.801 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 43 Resp: 62536
Ion Ratio Lower Upper
43 100
74 22.3 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 13.633 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

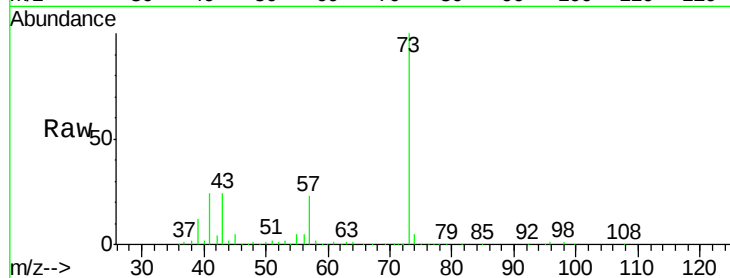
VSTDIC020

Tgt Ion: 73 Resp: 126617

Ion Ratio Lower Upper

73 100

57 23.2 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

50000

40000

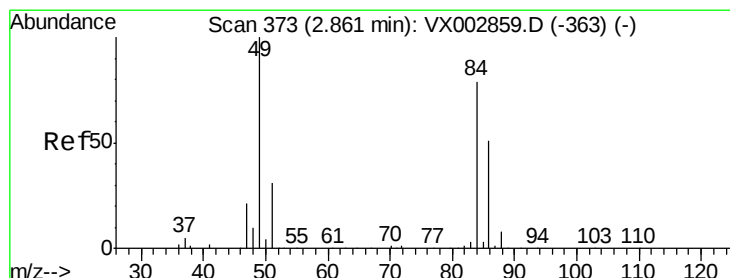
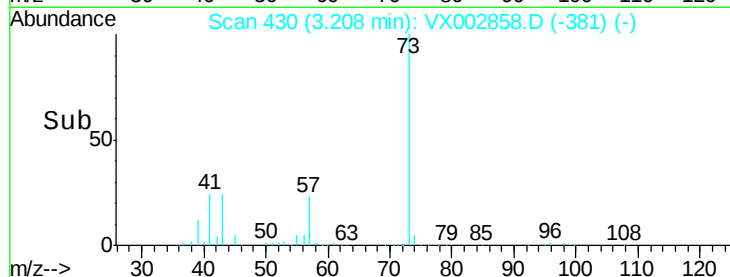
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 13.242 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion: 84 Resp: 40335

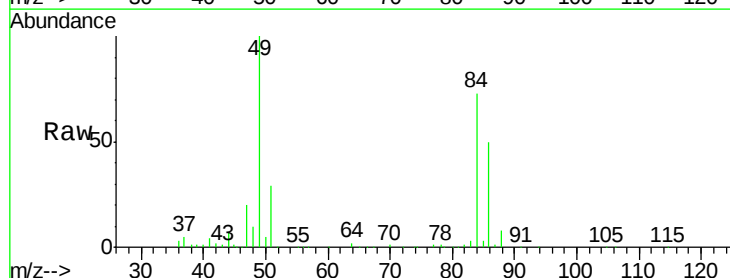
Ion Ratio Lower Upper

84 100

49 136.3 107.8 161.6

51 38.9 32.8 49.2

86 68.0 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

40000

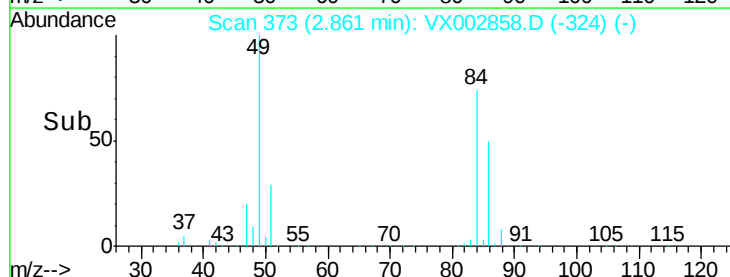
30000

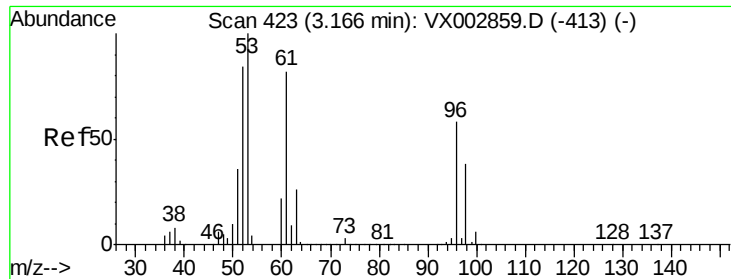
20000

10000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 13.934 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

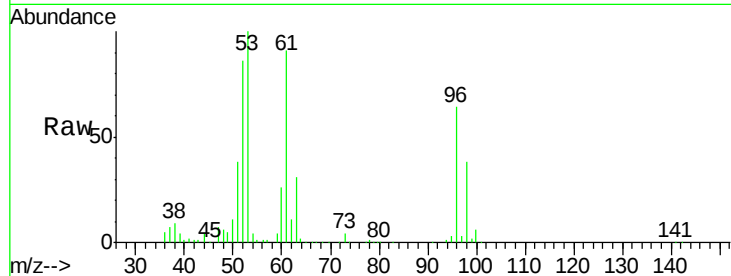
Tgt Ion: 96 Resp: 37425

Ion Ratio Lower Upper

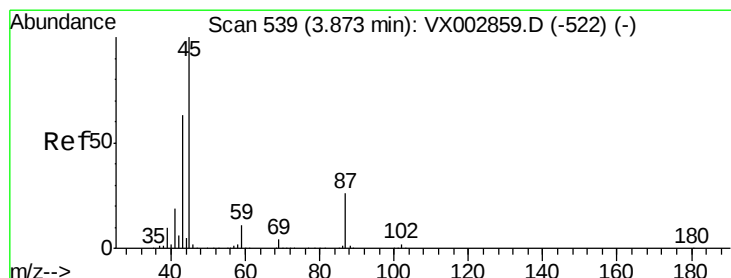
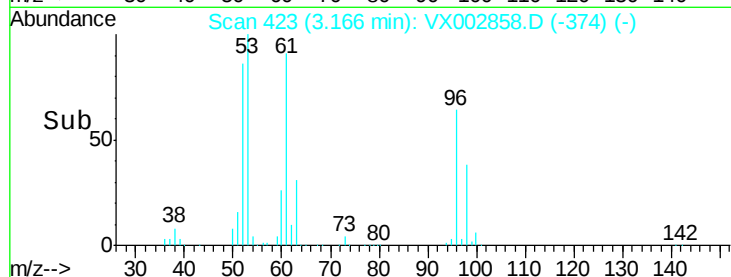
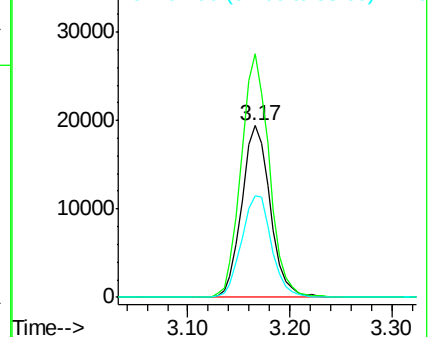
96 100

61 141.7 117.0 175.4

98 59.4 52.4 78.6



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



#22

Diisopropyl ether

Concen: 14.378 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion: 45 Resp: 127879

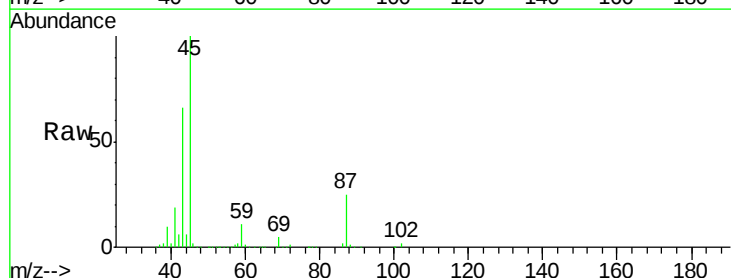
Ion Ratio Lower Upper

45 100

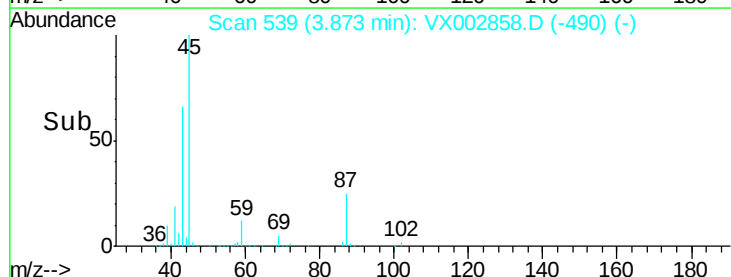
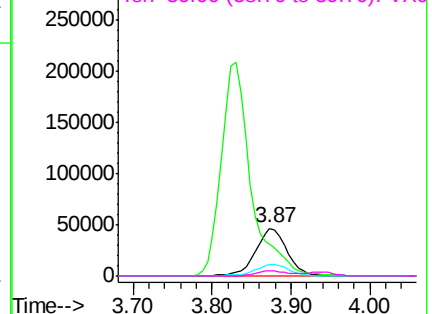
43 65.5 46.8 70.2

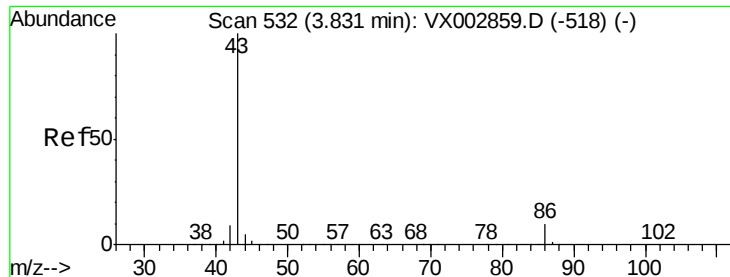
87 25.2 20.2 30.4

59 11.5 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 73.970 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

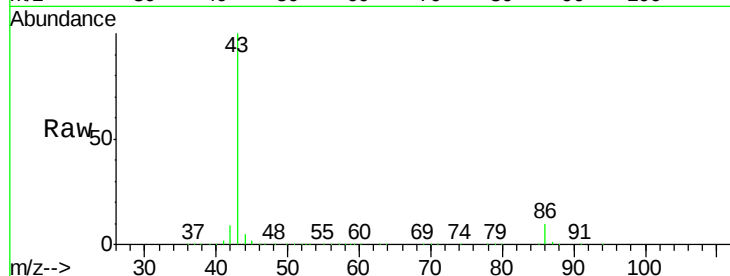
VSTDIC020

Tgt Ion: 43 Resp: 550627

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

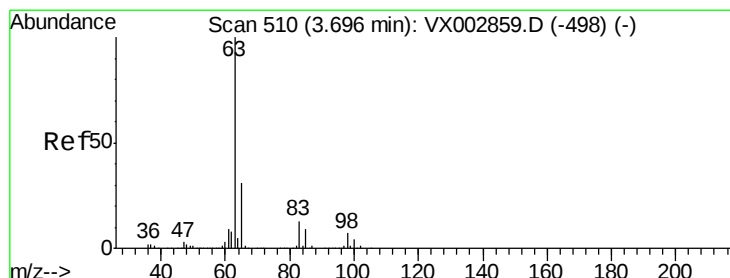
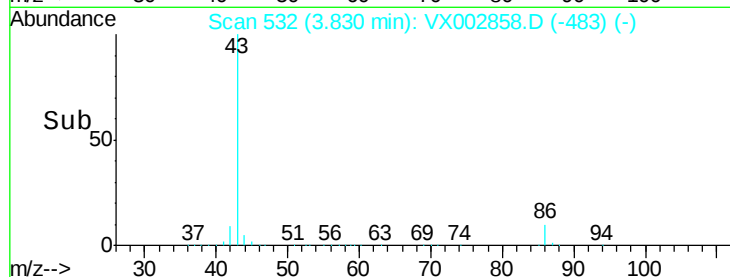
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 14.782 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

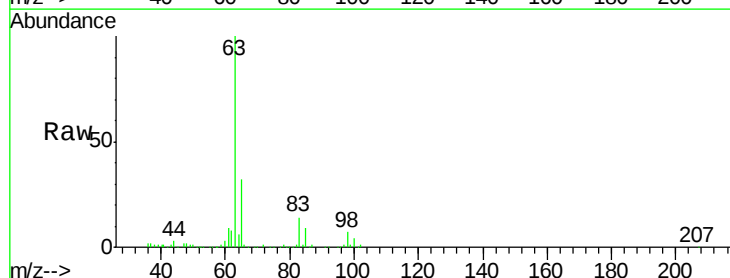
Tgt Ion: 63 Resp: 71358

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

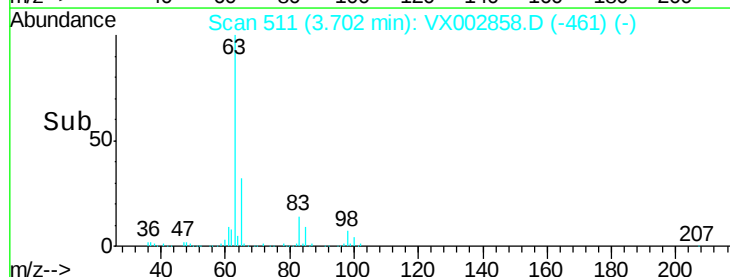
20000

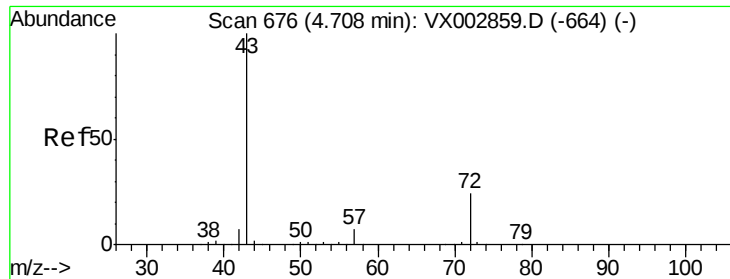
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 79.060 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

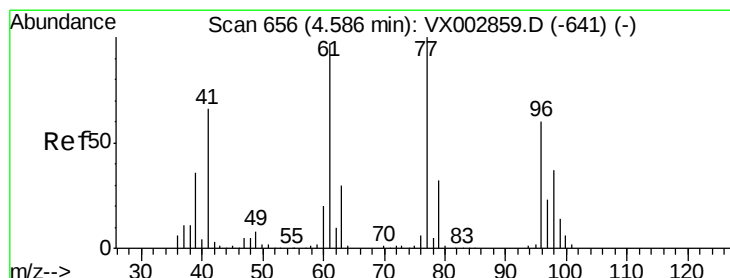
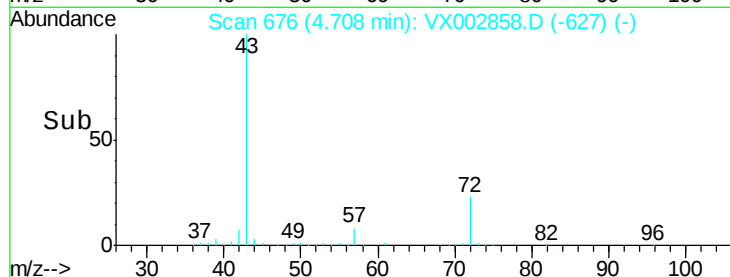
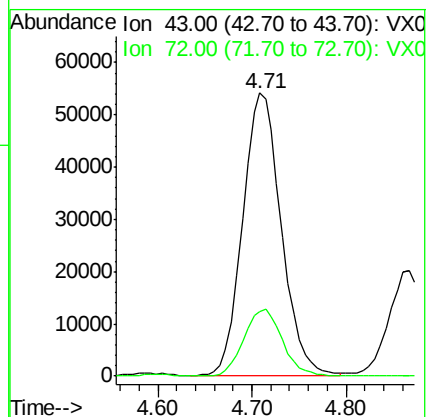
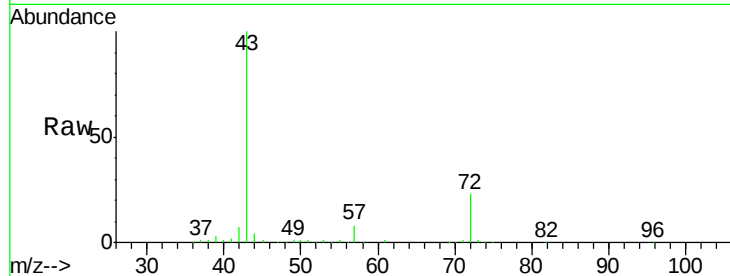
VSTDIC020

Tgt Ion: 43 Resp: 154240

Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7



#26

2,2-Dichloropropane

Concen: 16.336 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002858.D

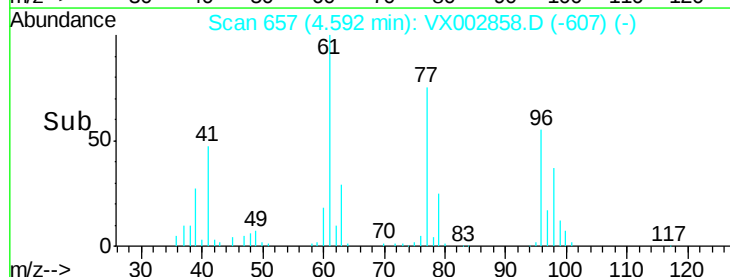
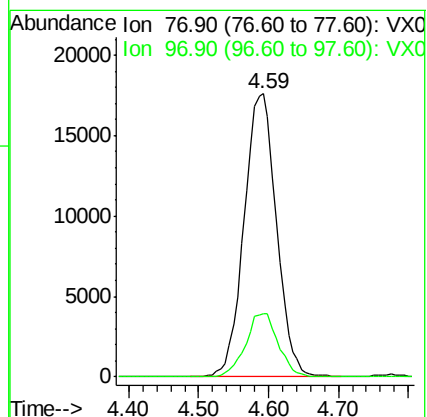
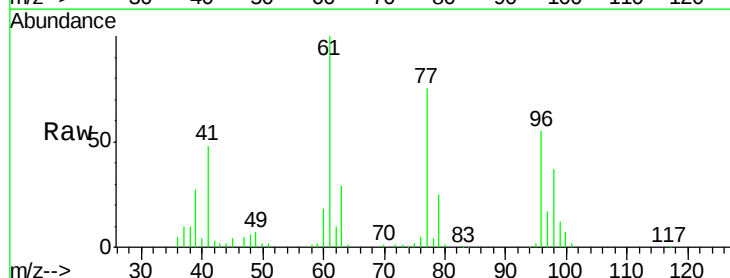
Acq: 25 Jun 2018 11:47

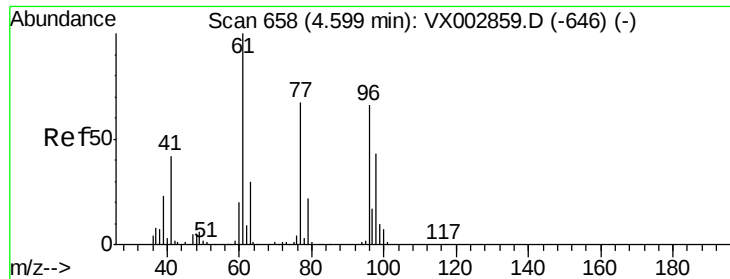
Tgt Ion: 77 Resp: 56661

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



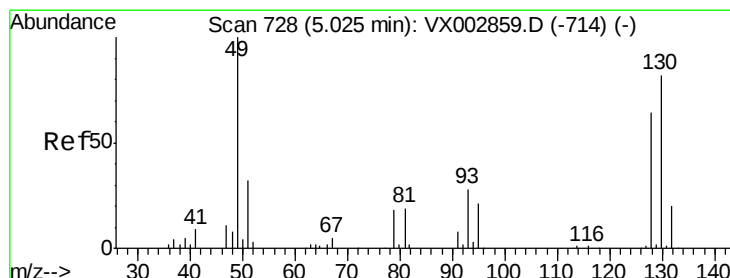
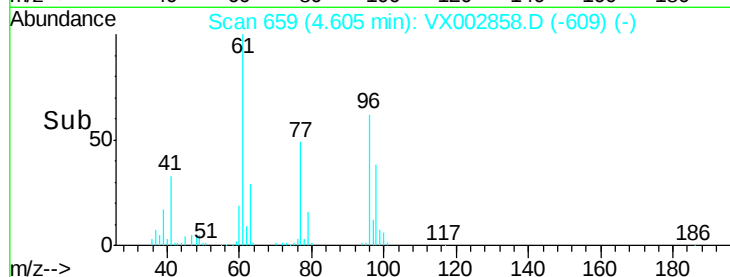
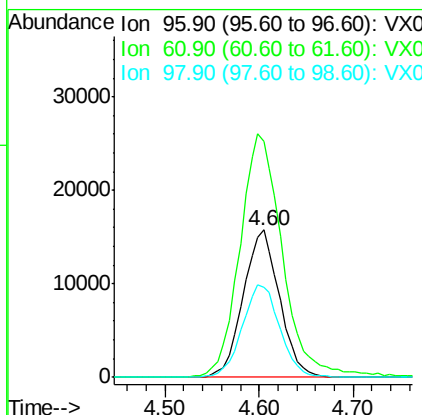
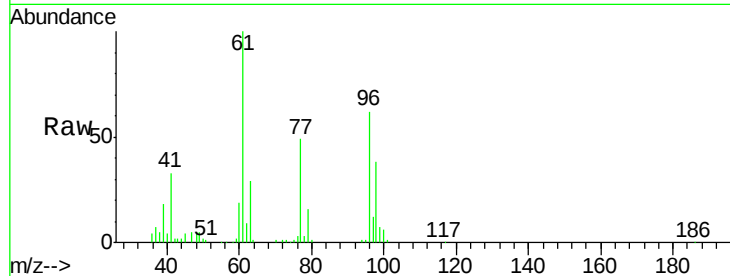


#27

cis-1,2-Dichloroethene
Concen: 15.534 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

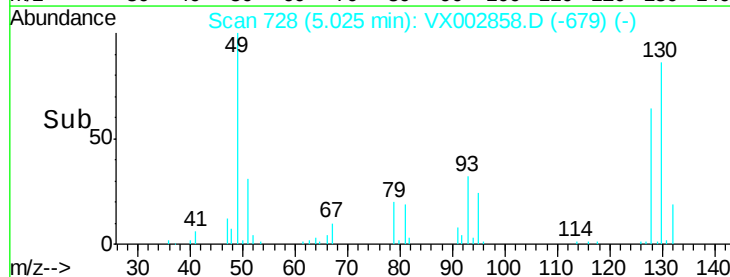
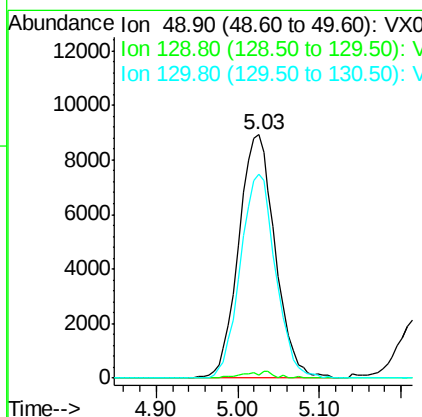
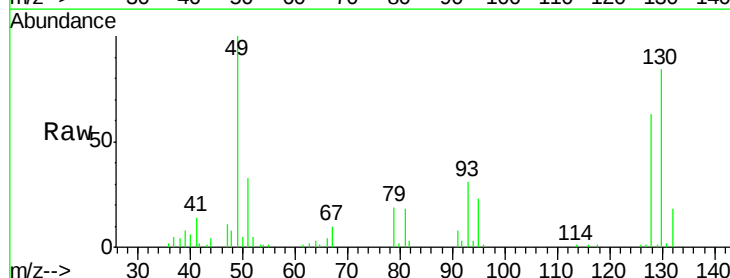
Tgt Ion: 96 Resp: 42453
Ion Ratio Lower Upper
96 100
61 195.7 0.0 330.2
98 65.3 0.0 130.2

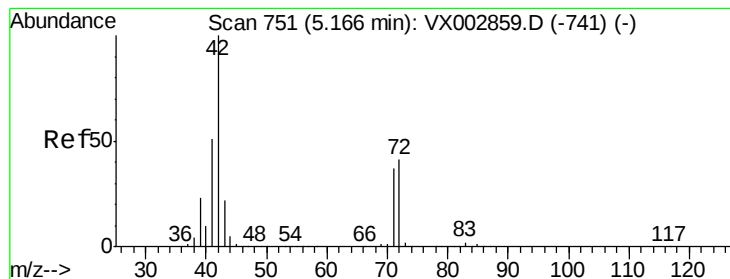


#28

Bromochloromethane
Concen: 12.238 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 49 Resp: 27665
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 80.8 61.2 91.8





#29

Tetrahydrofuran

Concen: 74.456 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

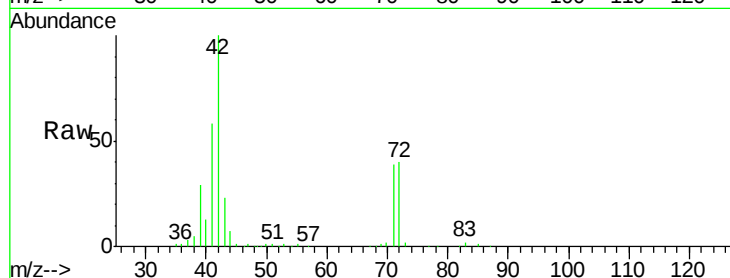
Tgt Ion: 42 Resp: 95199

Ion Ratio Lower Upper

42 100

72 42.4 32.0 48.0

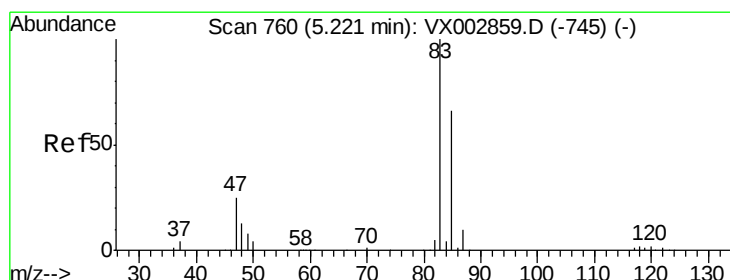
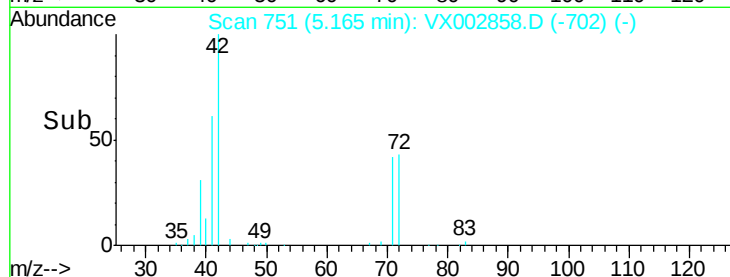
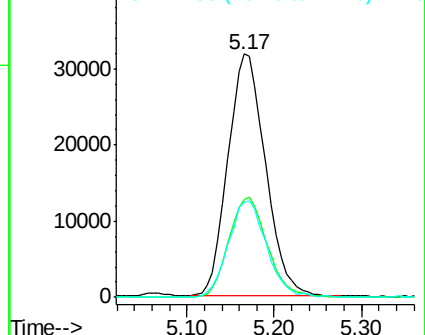
71 40.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 15.840 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002858.D

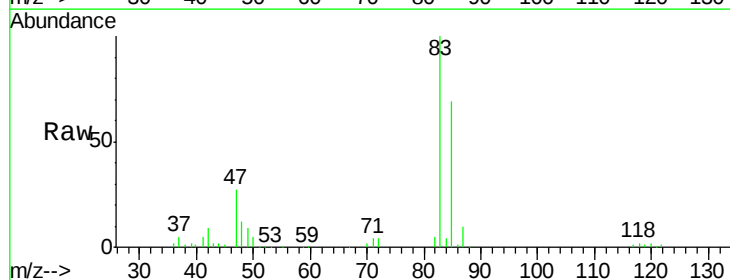
Acq: 25 Jun 2018 11:47

Tgt Ion: 83 Resp: 73735

Ion Ratio Lower Upper

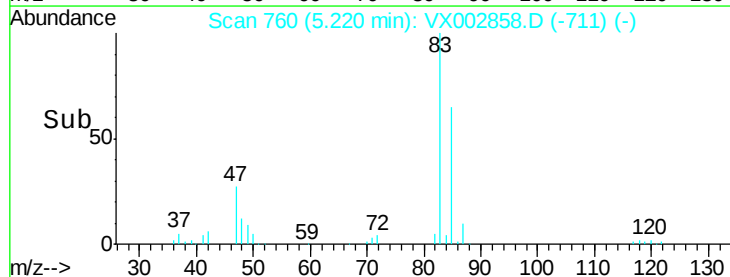
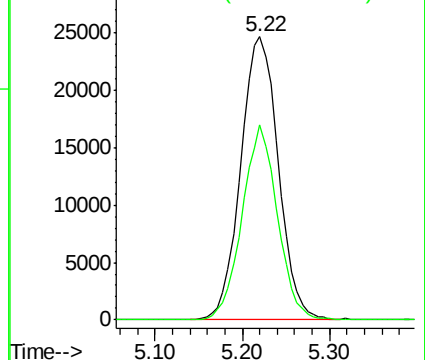
83 100

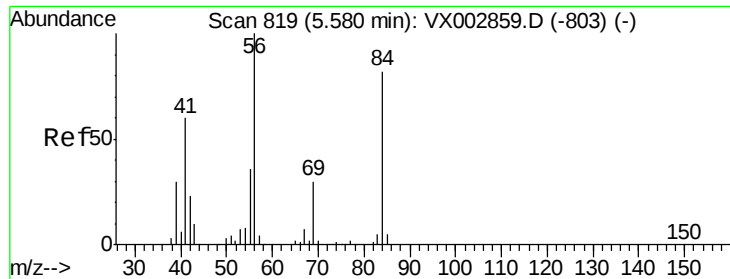
85 68.9 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

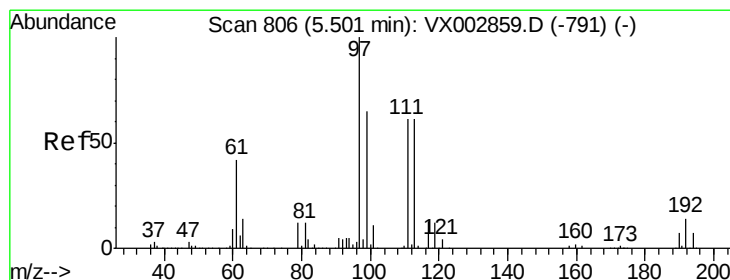
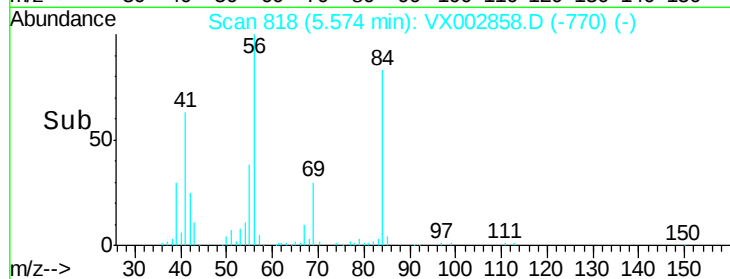
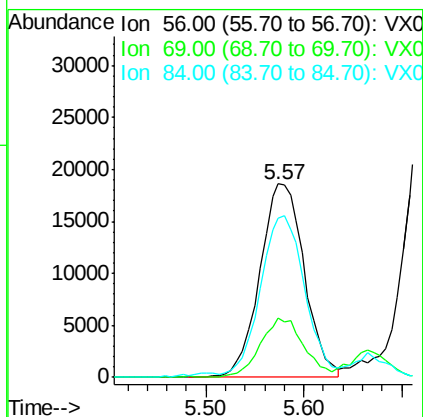
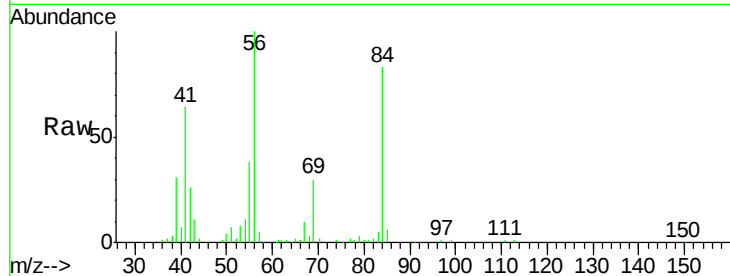




#31
Cyclohexane
Concen: 14.788 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

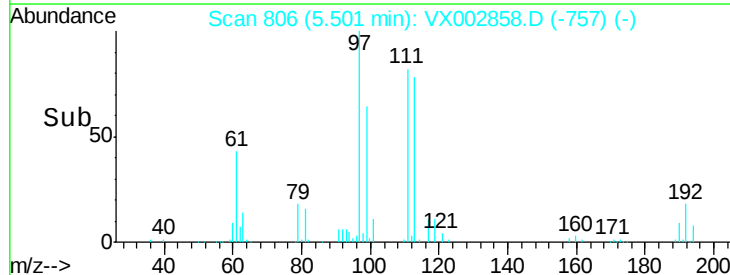
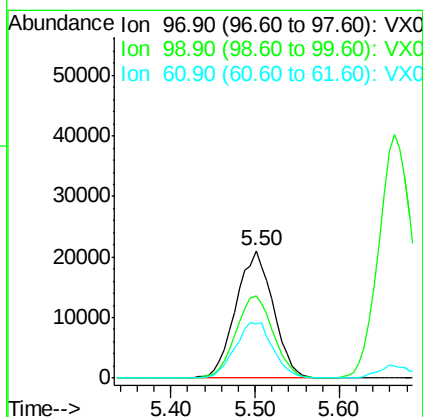
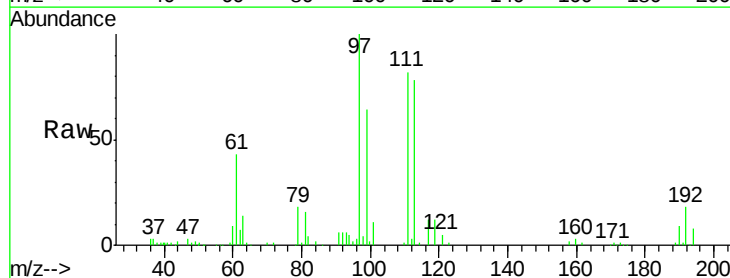
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 58774
Ion Ratio Lower Upper
56 100
69 29.8 23.7 35.5
84 81.6 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 16.206 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 97 Resp: 63095
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 44.7 36.4 54.6

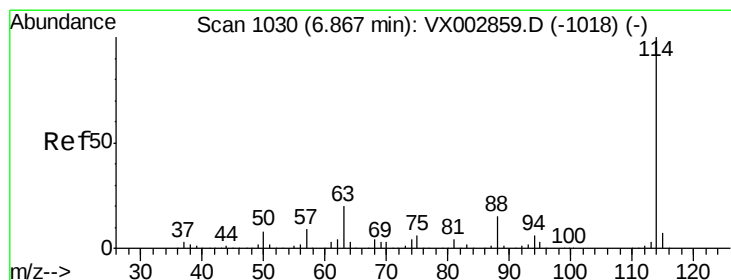
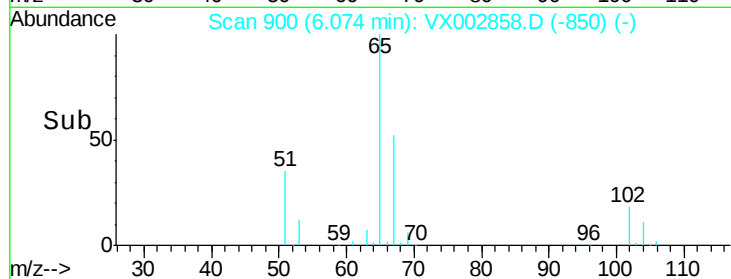
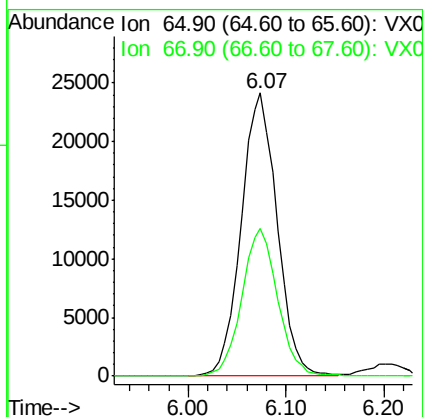
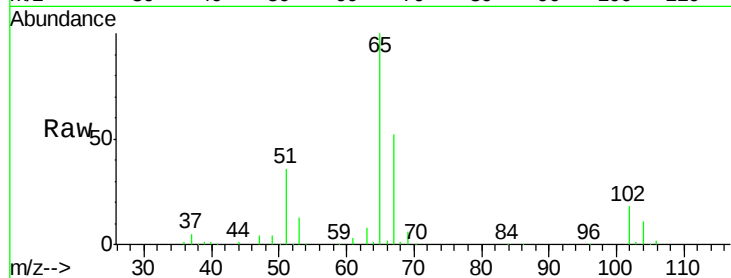




#33
 1,2-Dichloroethane-d4
 Concen: 18.298 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

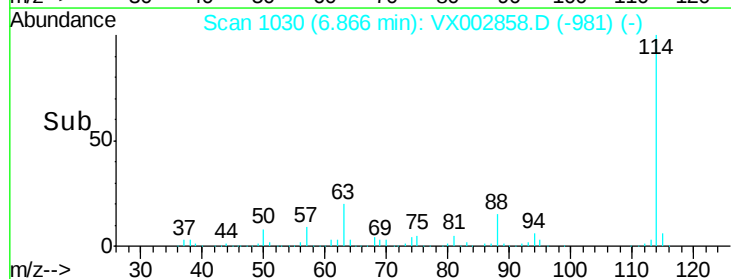
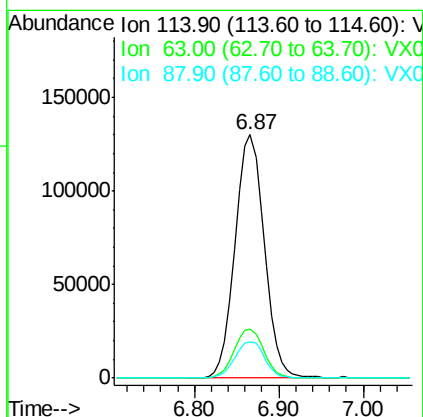
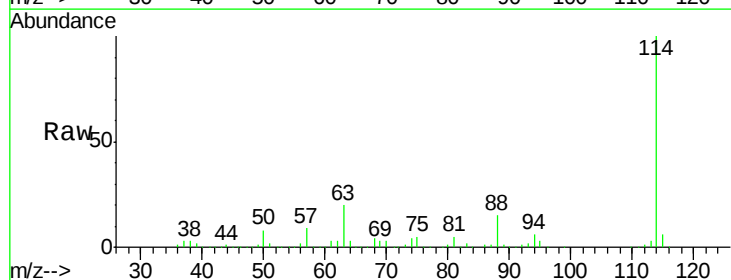
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

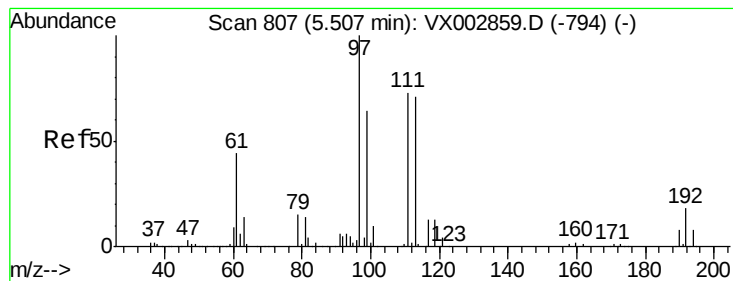
Tgt Ion: 65 Resp: 61612
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion: 114 Resp: 305562
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 19.385 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

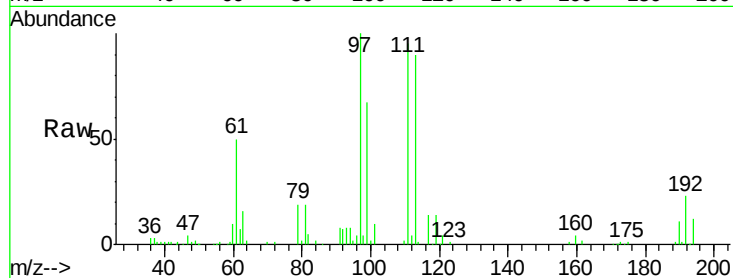
Tgt Ion:113 Resp: 47275

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

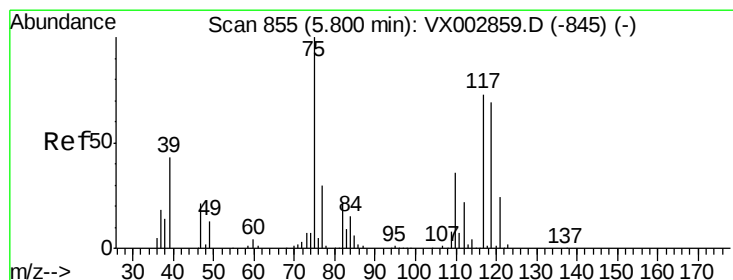
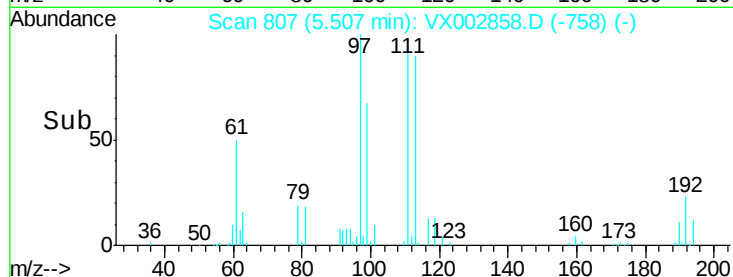
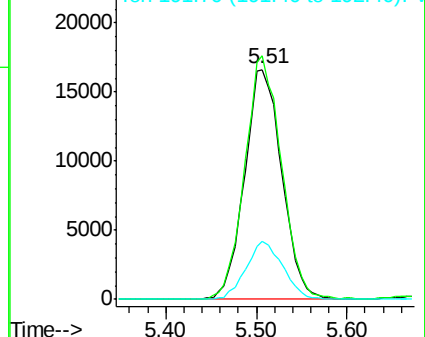
192 24.8 19.1 28.7



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: 15.723 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

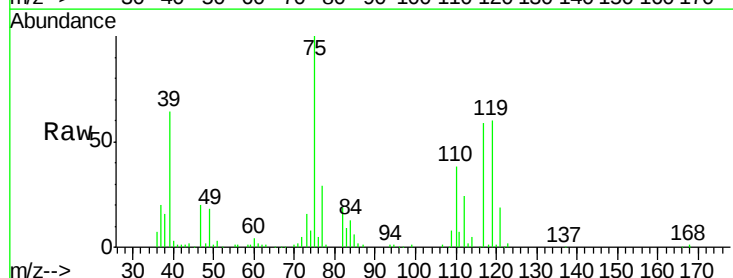
Tgt Ion: 75 Resp: 51025

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.4

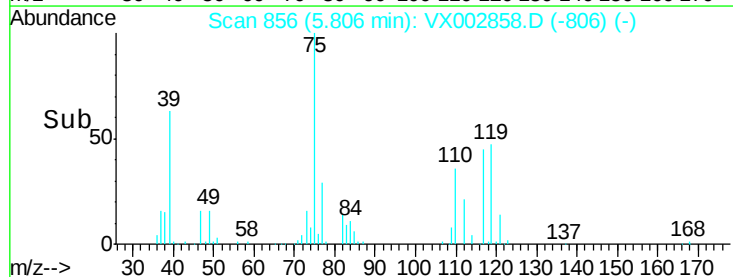
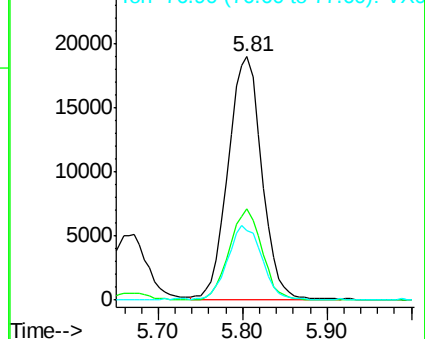
77 31.6 24.3 36.5

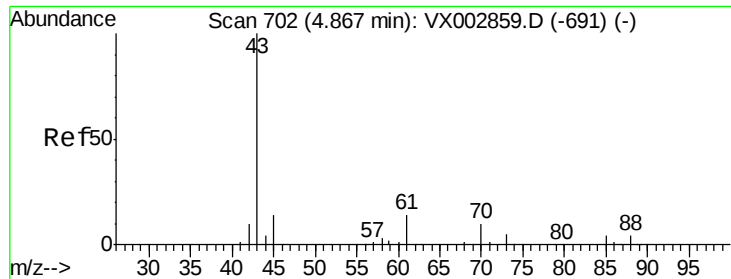


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 15.685 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

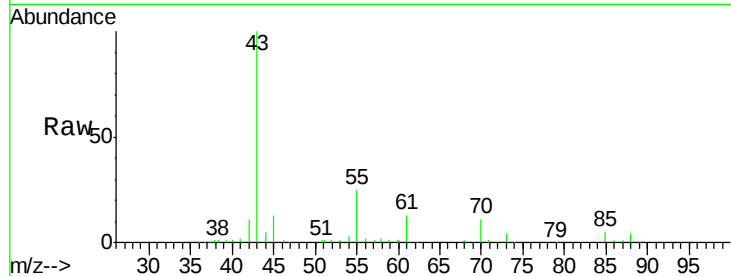
Tgt Ion: 43 Resp: 57615

Ion Ratio Lower Upper

43 100

61 13.6 10.4 15.6

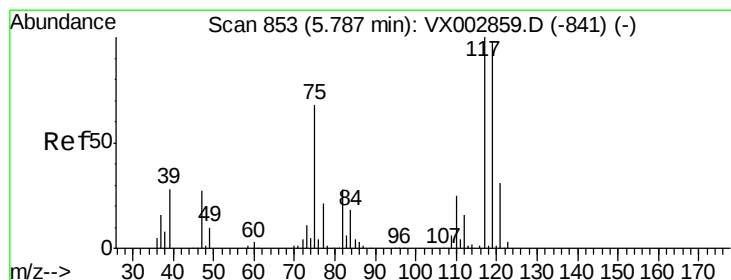
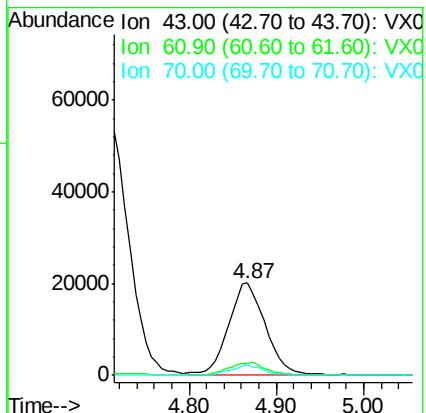
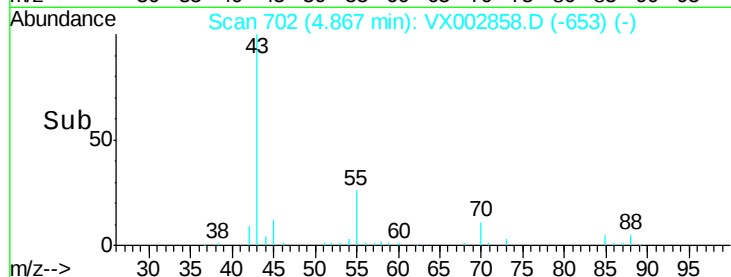
70 10.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 17.258 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

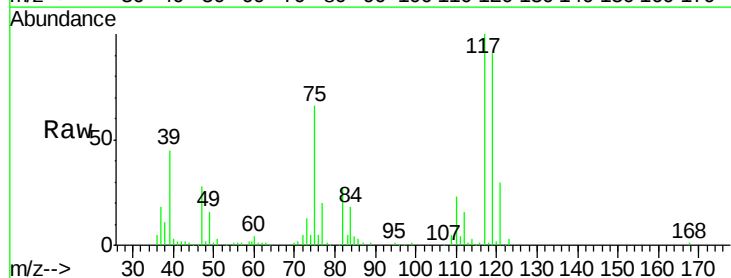
Tgt Ion: 117 Resp: 55770

Ion Ratio Lower Upper

117 100

119 90.8 77.4 116.0

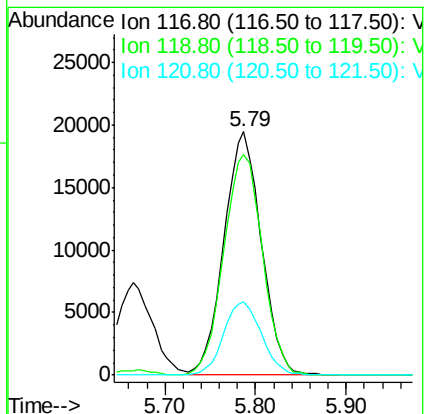
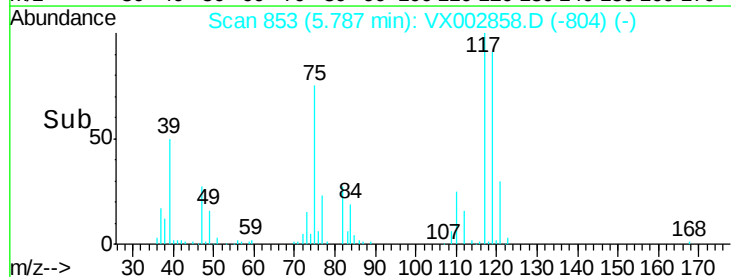
121 30.3 24.4 36.6

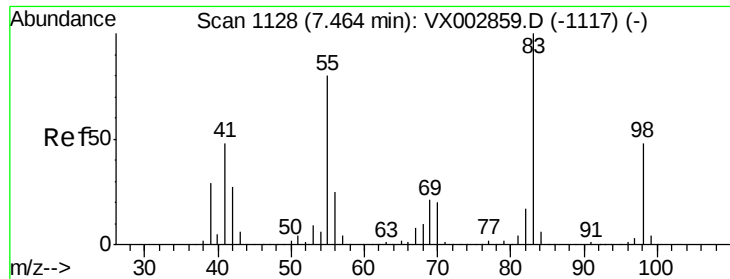


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

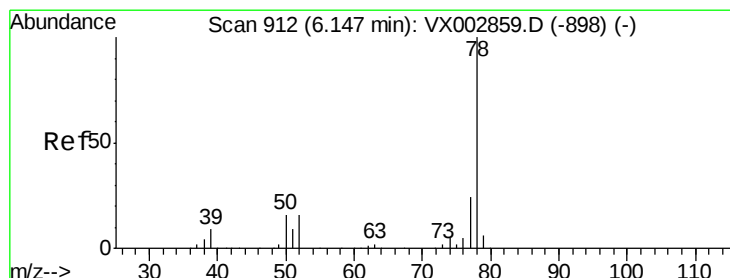
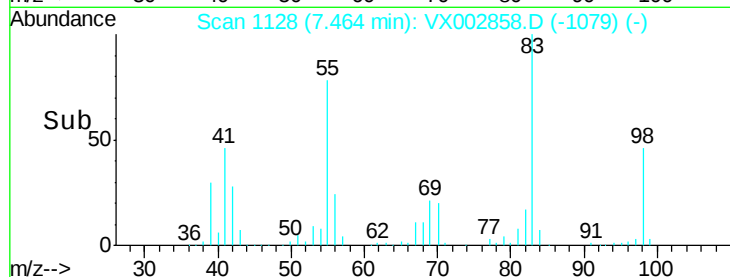
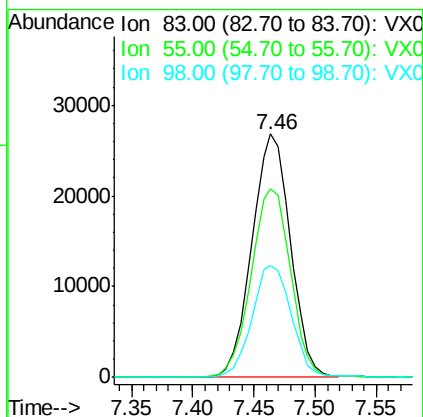
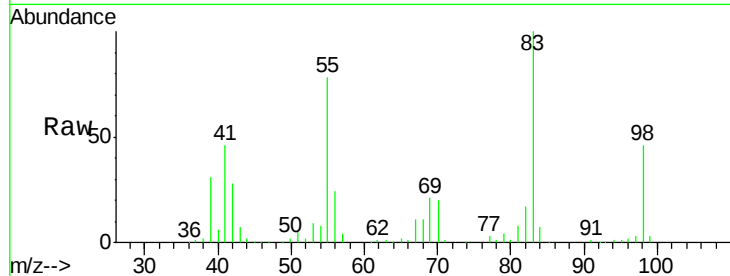




#39
Methylcyclohexane
Concen: 15.511 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

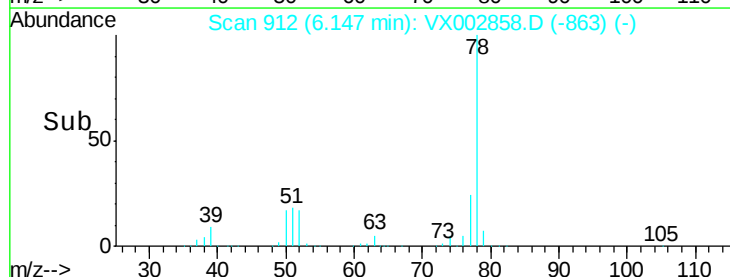
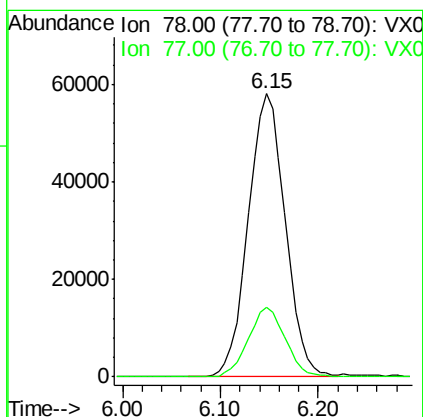
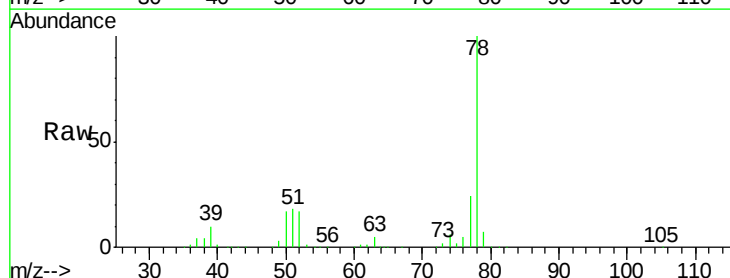
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

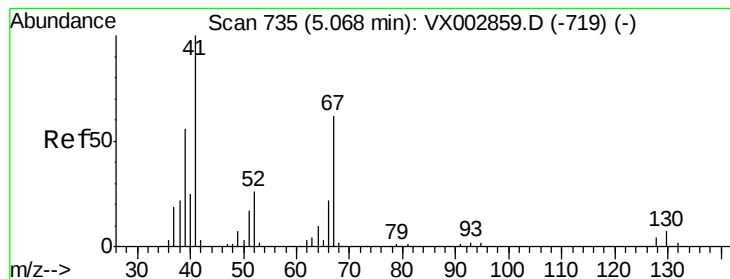
Tgt Ion: 83 Resp: 58844
Ion Ratio Lower Upper
83 100
55 77.7 65.4 98.0
98 45.7 37.4 56.0



#40
Benzene
Concen: 15.714 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 78 Resp: 152910
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7





#41

Methacrylonitrile

Concen: 16.198 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 33593

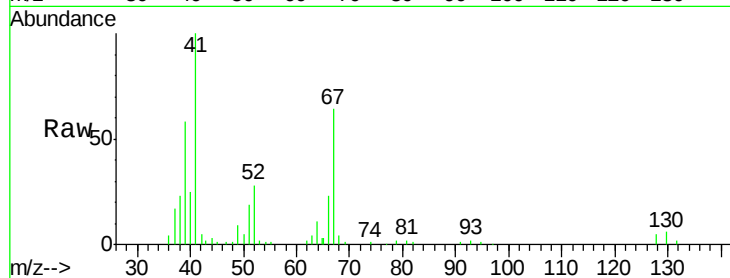
Ion Ratio Lower Upper

41 100

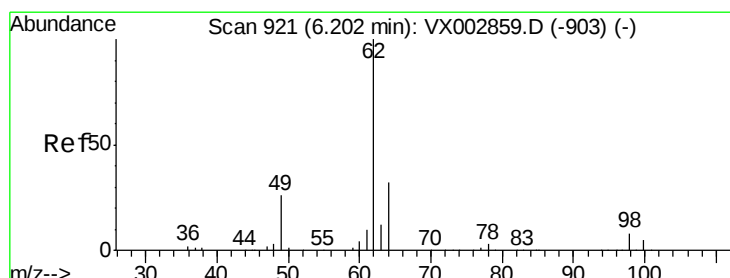
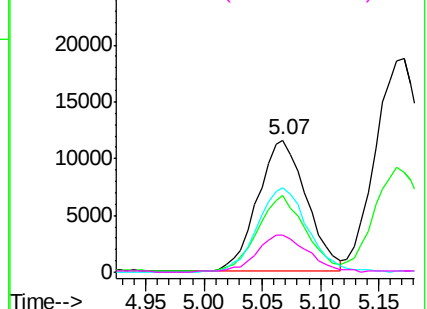
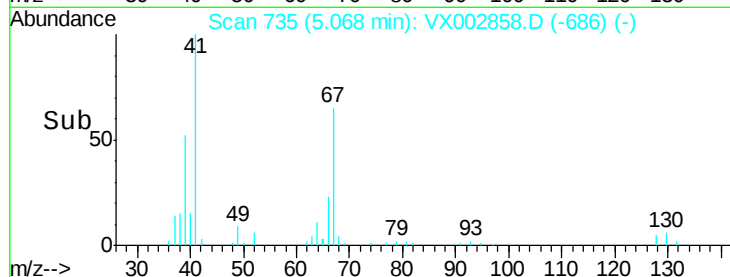
39 56.3 45.8 68.6

67 66.6 51.3 76.9

52 30.4 23.0 34.6



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: 16.734 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX002858.D

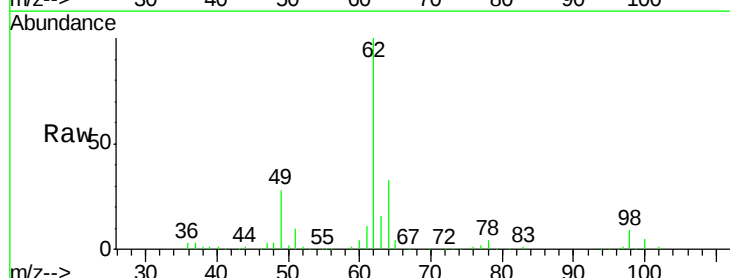
Acq: 25 Jun 2018 11:47

Tgt Ion: 62 Resp: 63042

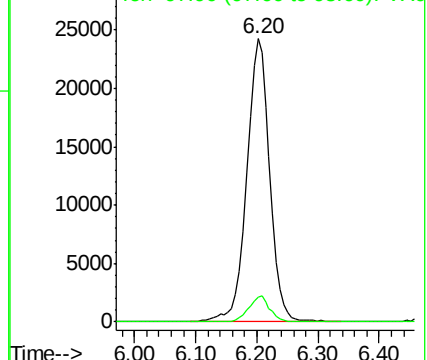
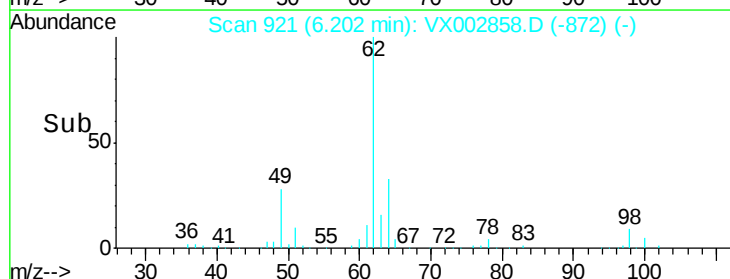
Ion Ratio Lower Upper

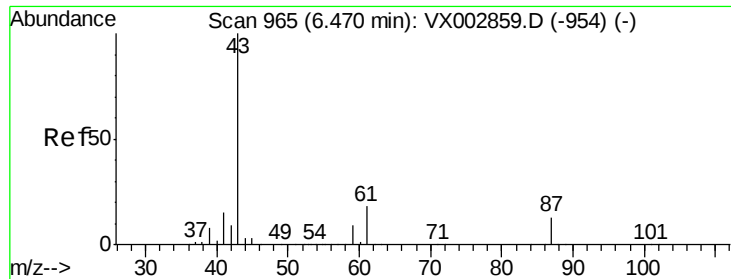
62 100

98 8.3 0.0 16.6



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





#43

Isopropyl Acetate

Concen: 15.137 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

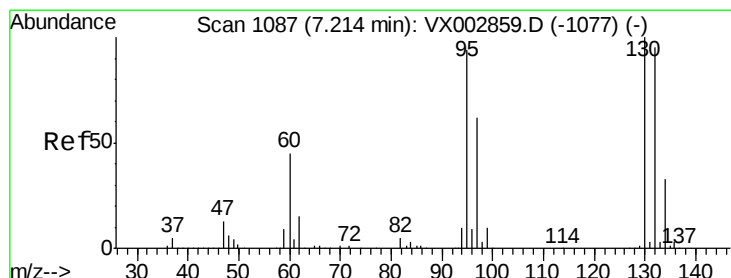
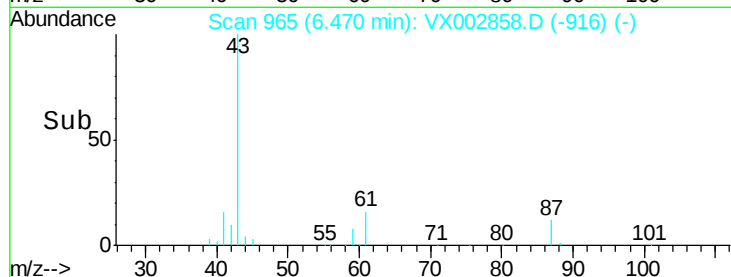
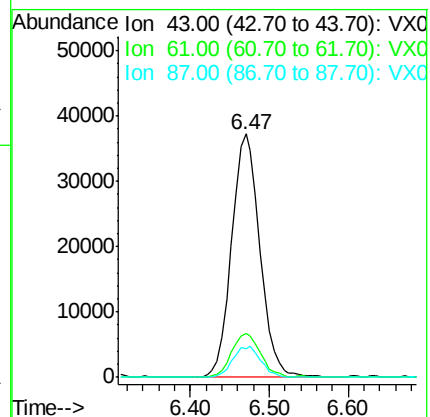
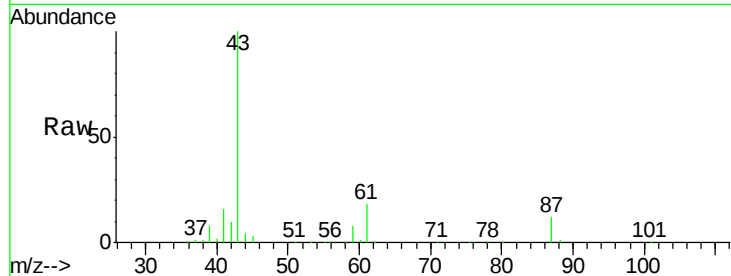
Tgt Ion: 43 Resp: 92120

Ion Ratio Lower Upper

43 100

61 18.6 14.4 21.6

87 12.8 9.5 14.3



#44

Trichloroethene

Concen: 16.154 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX002858.D

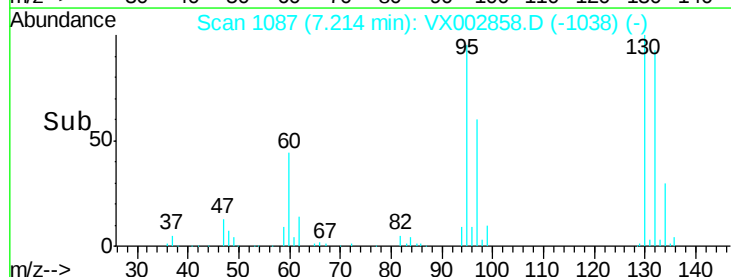
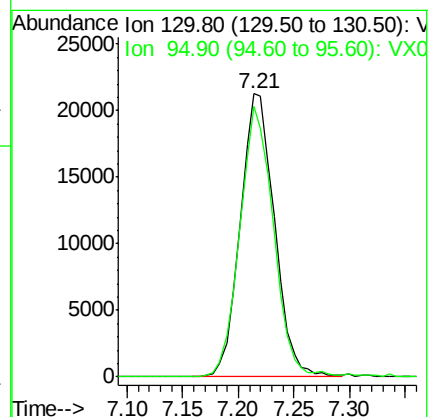
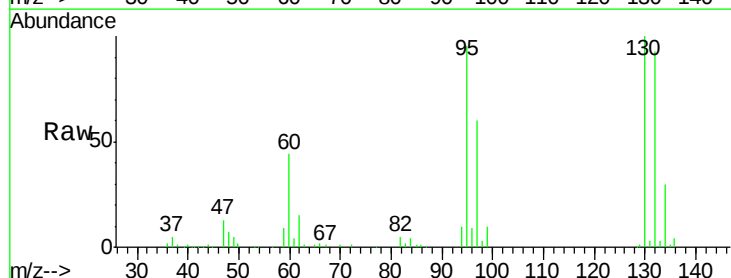
Acq: 25 Jun 2018 11:47

Tgt Ion: 130 Resp: 45370

Ion Ratio Lower Upper

130 100

95 95.4 0.0 185.4

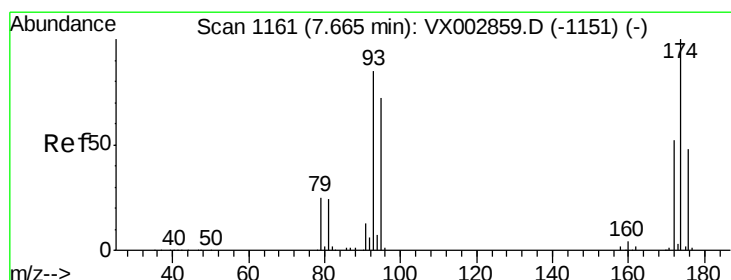
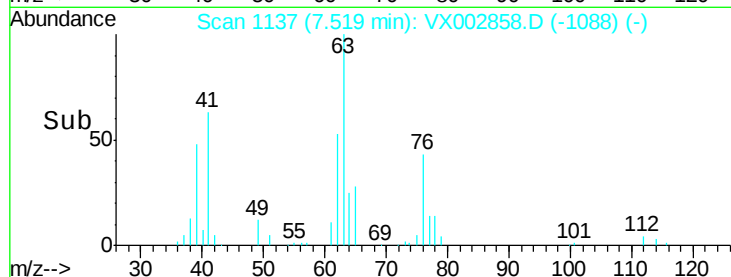
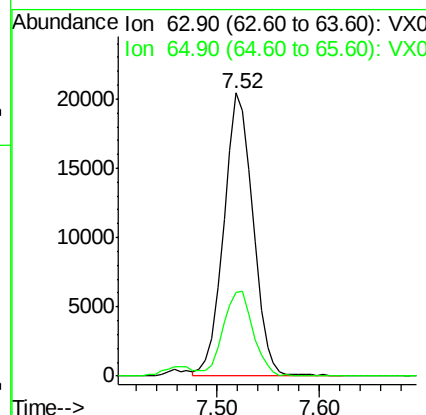
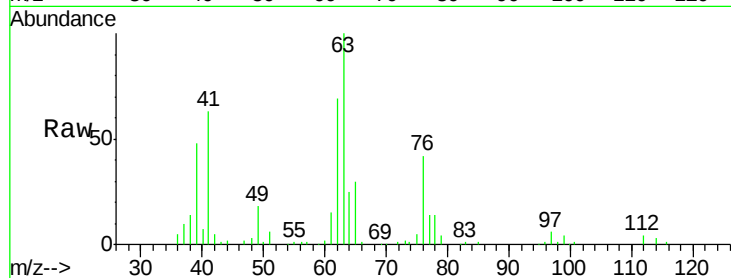




#45
1,2-Dichloropropane
Concen: 15.923 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

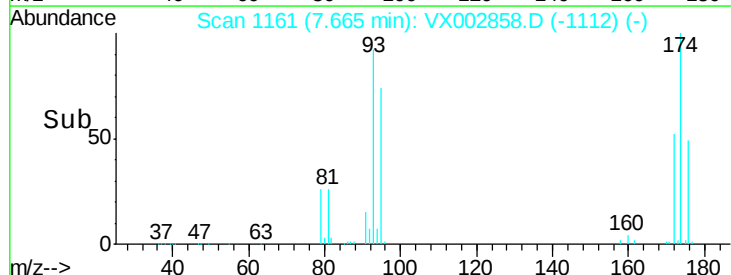
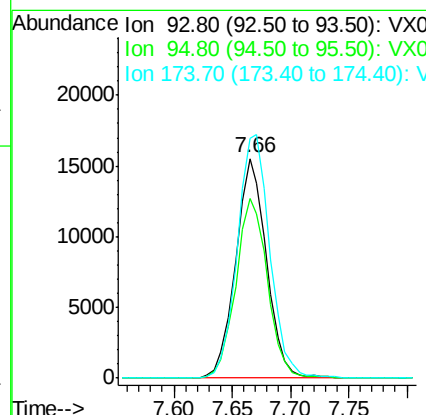
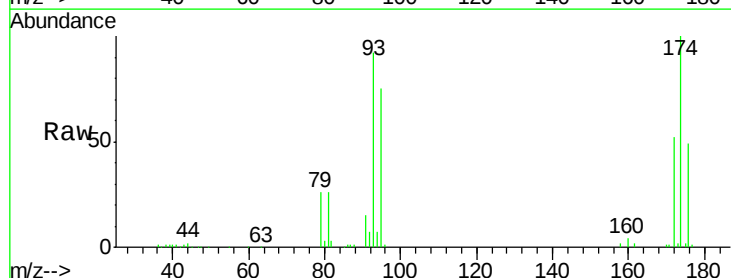
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 63 Resp: 40778
Ion Ratio Lower Upper
63 100
65 29.8 24.7 37.1



#46
Dibromomethane
Concen: 16.692 ug/l
RT: 7.66 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 93 Resp: 28595
Ion Ratio Lower Upper
93 100
95 84.1 65.9 98.9
174 117.0 92.4 138.6





#47

Bromodichloromethane

Concen: 16.883 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

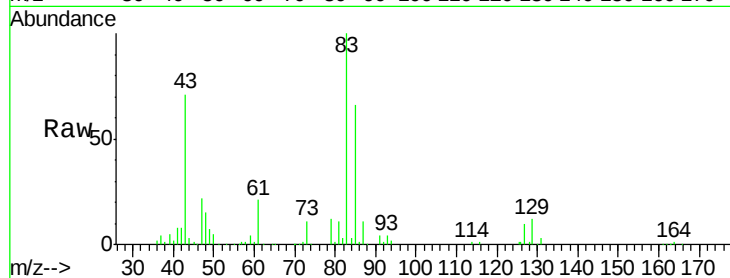
Tgt Ion: 83 Resp: 51012

Ion Ratio Lower Upper

83 100

85 65.5 50.3 75.5

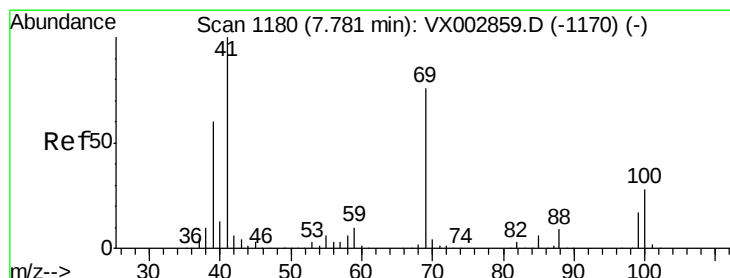
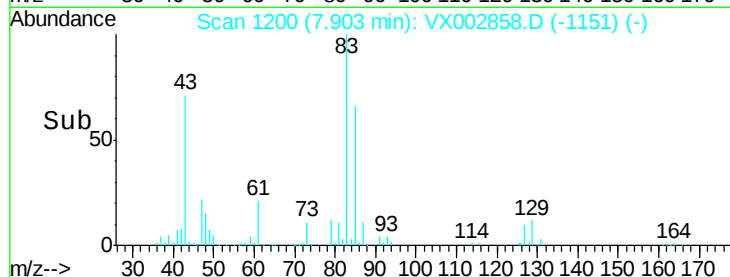
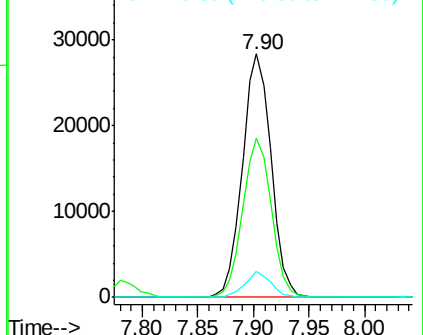
127 10.5 7.0 10.4#



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: 15.509 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

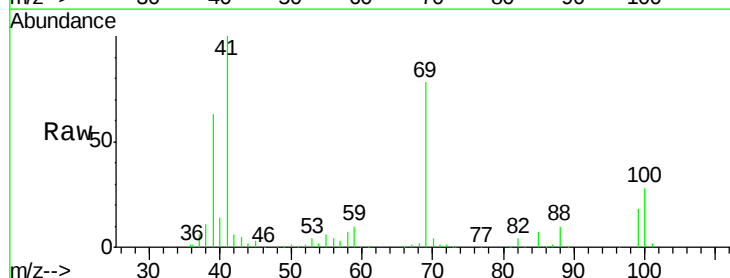
Tgt Ion: 41 Resp: 48232

Ion Ratio Lower Upper

41 100

69 78.3 59.1 88.7

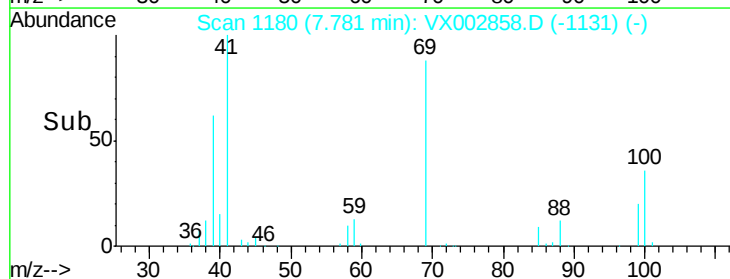
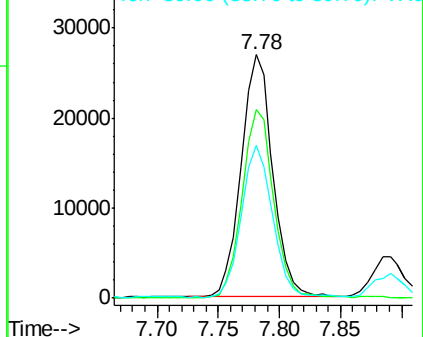
39 61.3 48.9 73.3

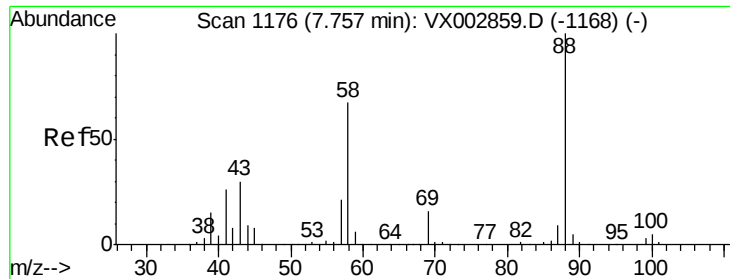


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

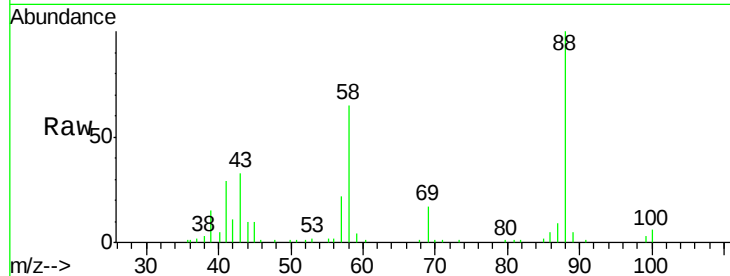




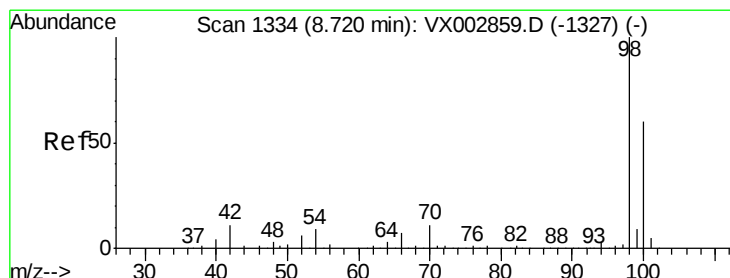
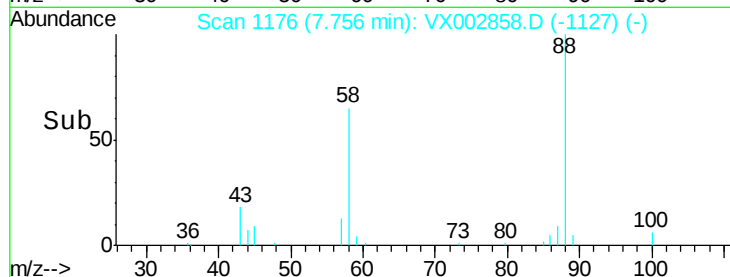
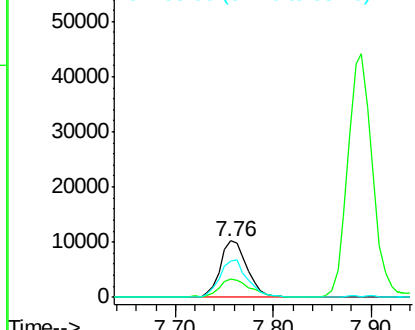
#49
1,4-Dioxane
Concen: 336.178 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 19799
Ion Ratio Lower Upper
88 100
43 35.8 29.8 44.6
58 66.7 57.1 85.7

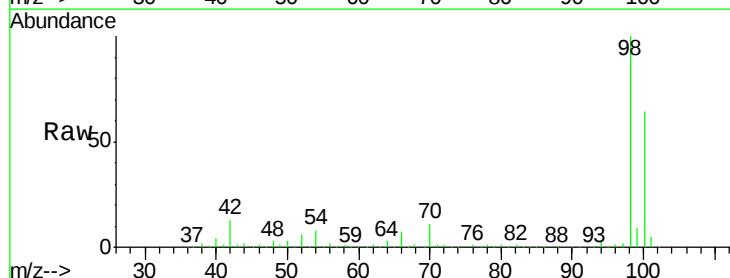


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

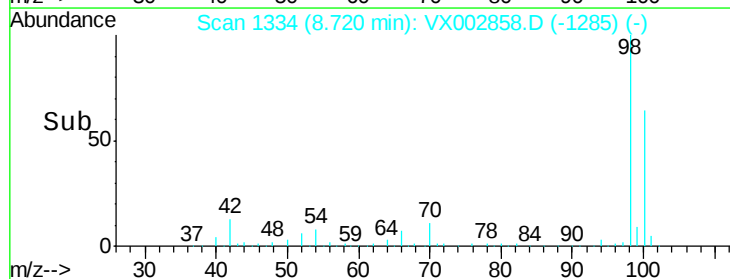
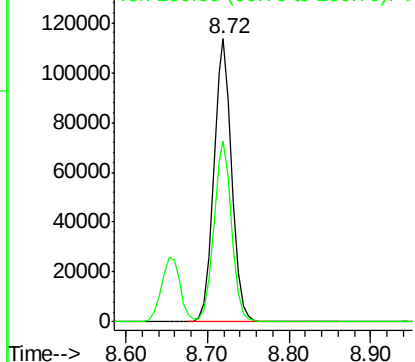


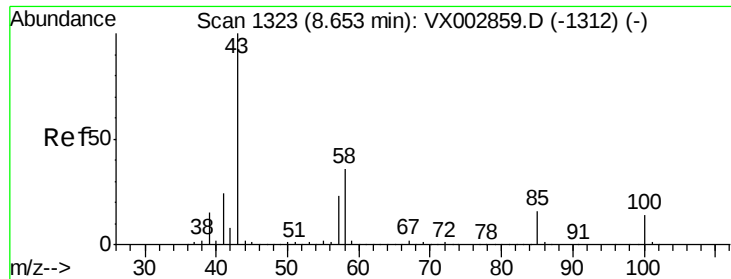
#50
Toluene-d8
Concen: 18.980 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 98 Resp: 175749
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 76.742 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

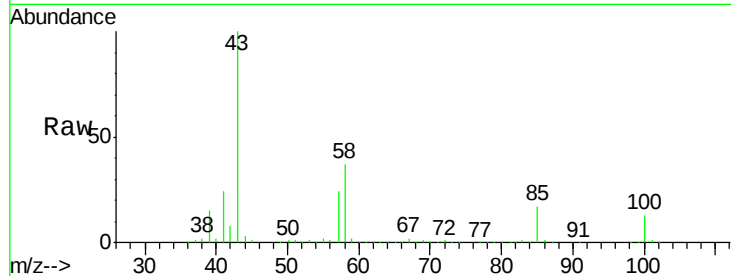
VSTDIC020

Tgt Ion: 43 Resp: 299868

Ion Ratio Lower Upper

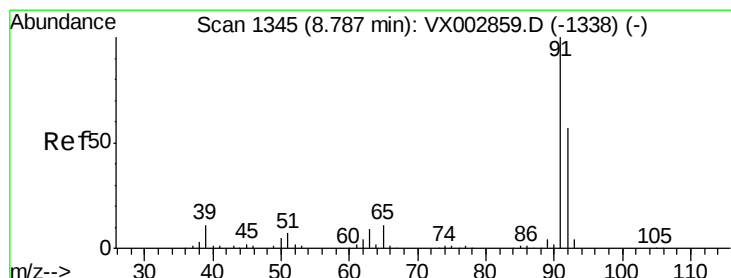
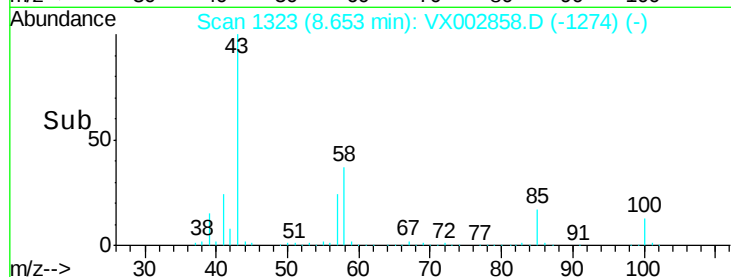
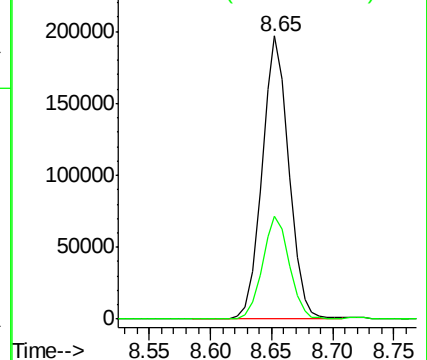
43 100

58 36.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 15.806 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002858.D

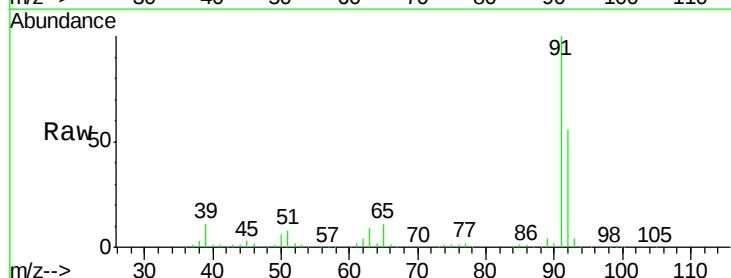
Acq: 25 Jun 2018 11:47

Tgt Ion: 92 Resp: 98115

Ion Ratio Lower Upper

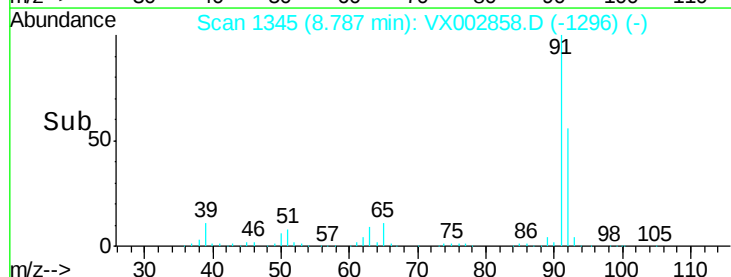
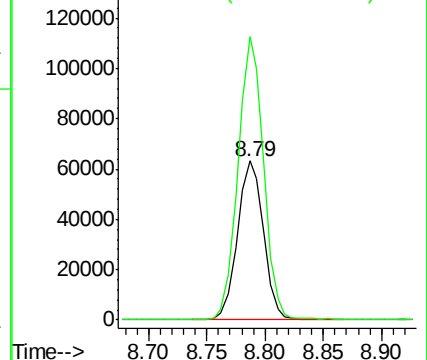
92 100

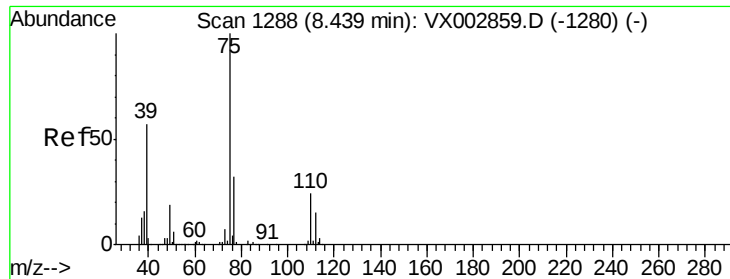
91 176.2 140.4 210.6



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: 16.598 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

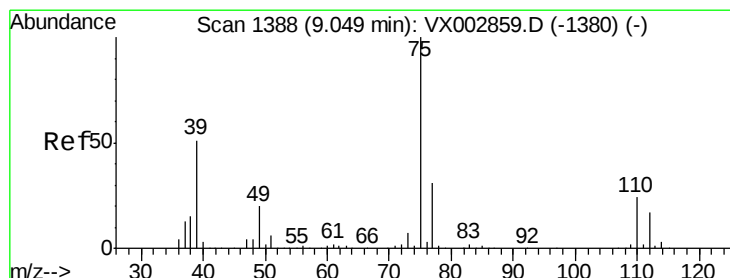
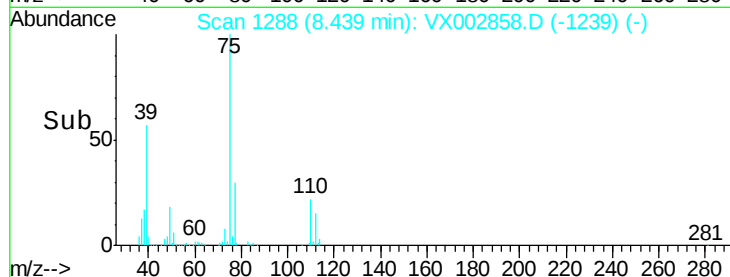
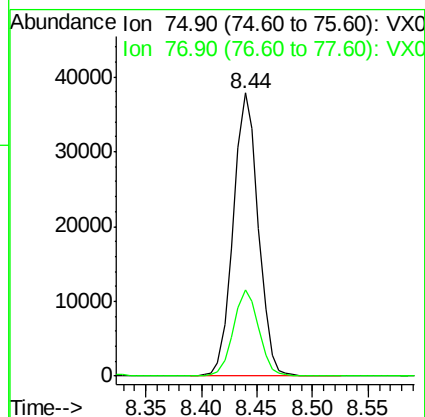
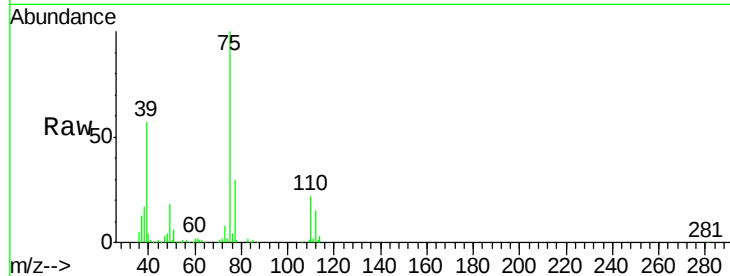
VSTDIC020

Tgt Ion: 75 Resp: 59009

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 16.398 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

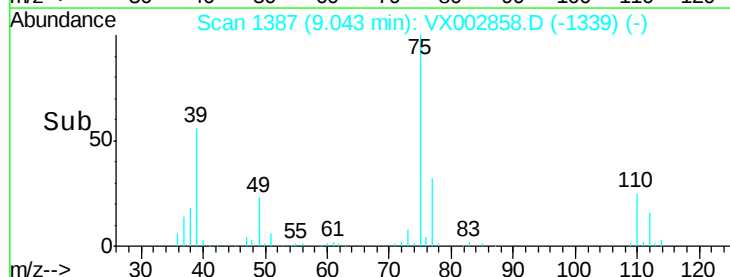
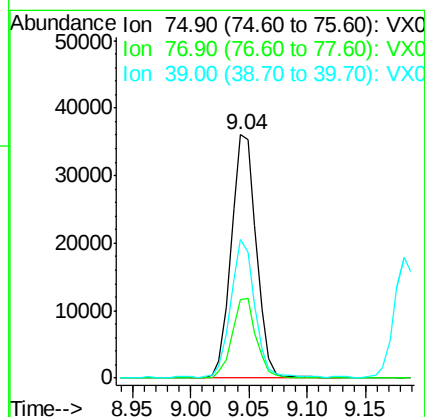
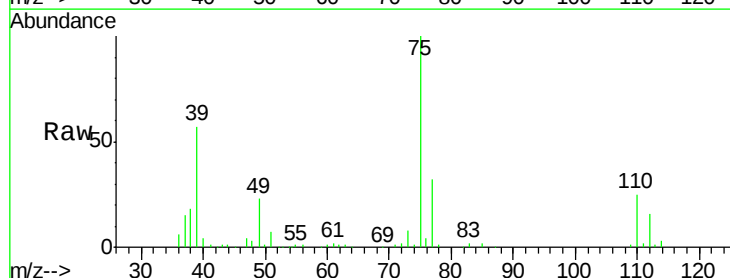
Tgt Ion: 75 Resp: 54001

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 56.2 42.4 63.6

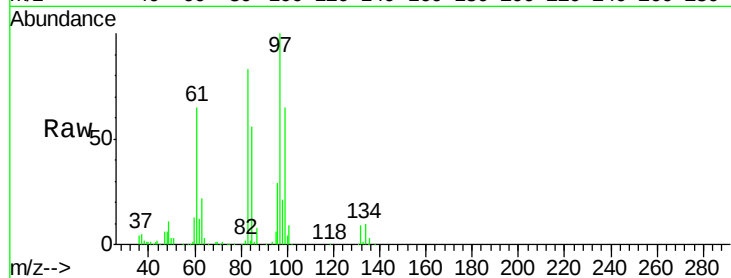




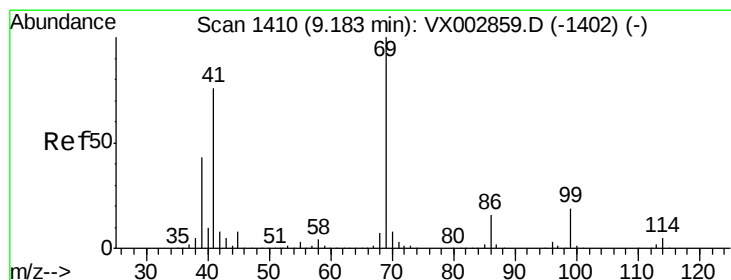
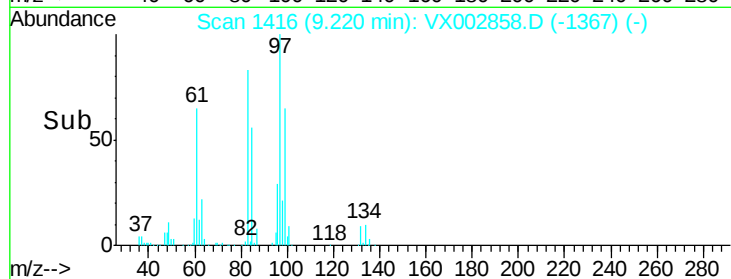
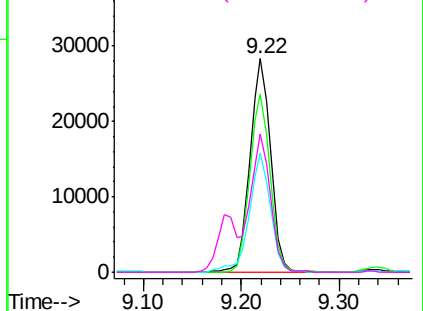
#55
 1,1,2-Trichloroethane
 Concen: 16.555 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	41523
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	55.9	44.9	67.3
99	64.6	49.8	74.8

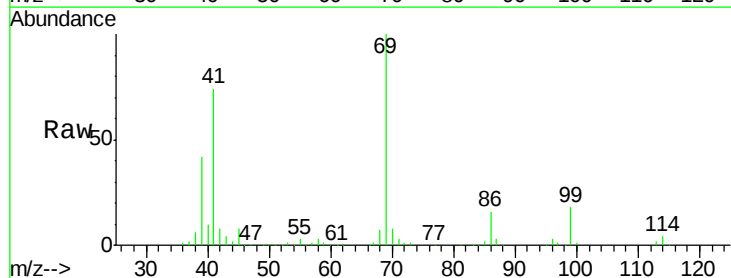


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

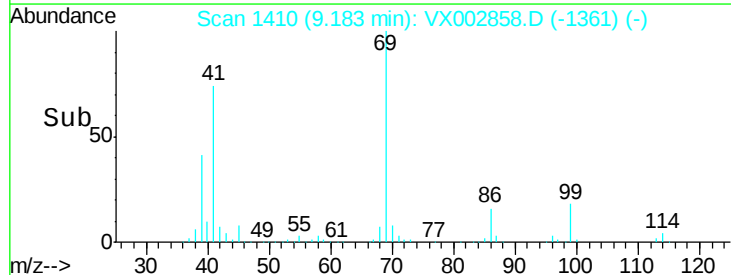
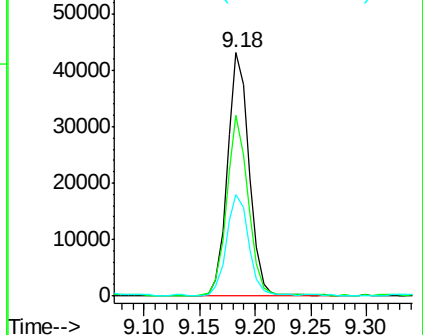


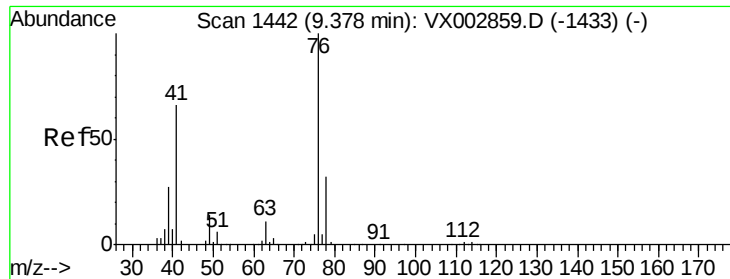
#56
 Ethyl methacrylate
 Concen: 15.041 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion:	69	Resp:	58056
Ion	Ratio	Lower	Upper
69	100		
41	72.8	60.3	90.5
39	42.5	35.8	53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 16.037 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

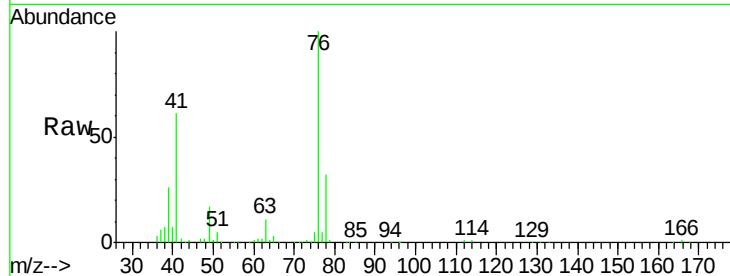
VSTDIC020

Tgt Ion: 76 Resp: 68030

Ion Ratio Lower Upper

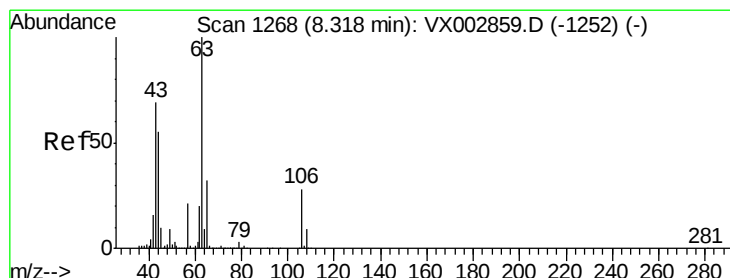
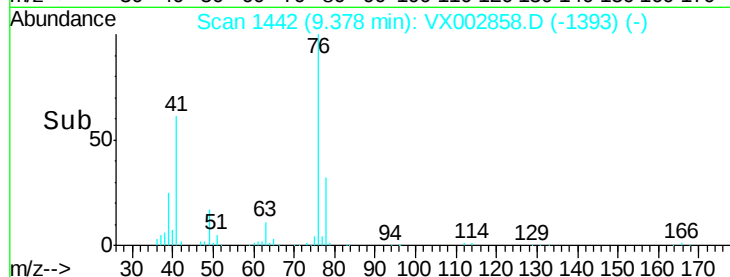
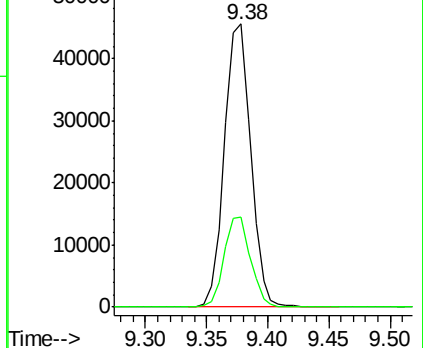
76 100

78 31.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 111.951 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002858.D

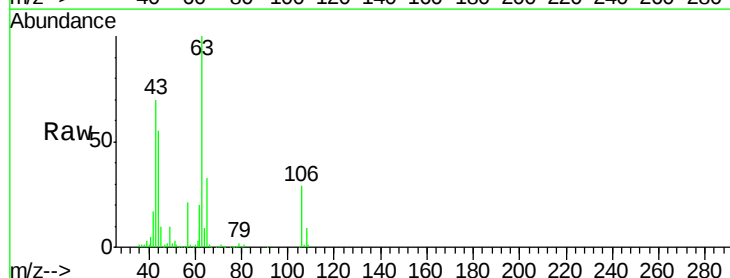
Acq: 25 Jun 2018 11:47

Tgt Ion: 63 Resp: 209004

Ion Ratio Lower Upper

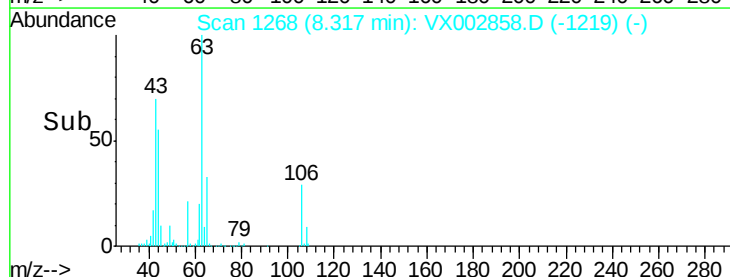
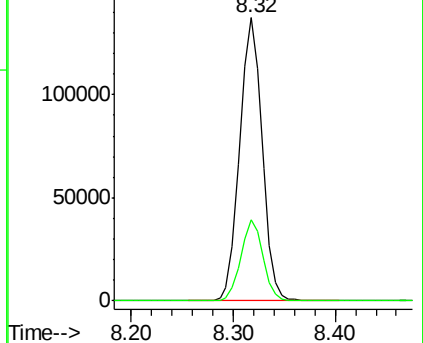
63 100

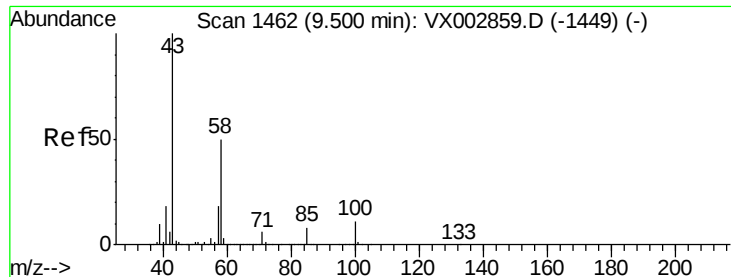
106 28.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

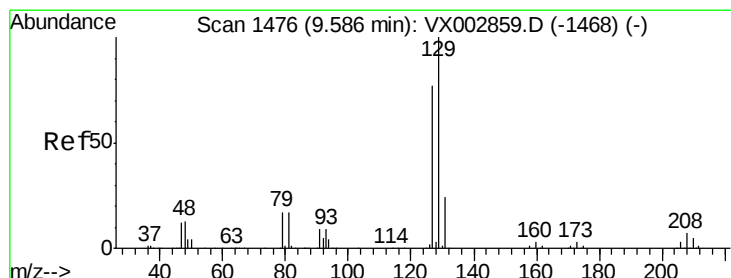
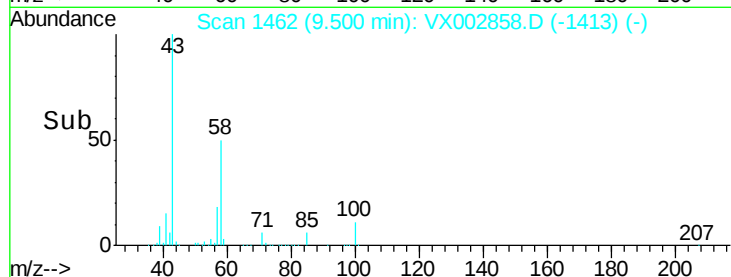
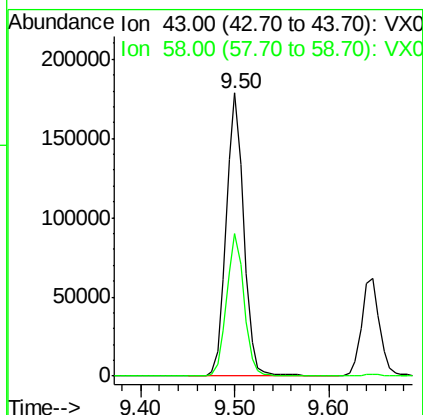
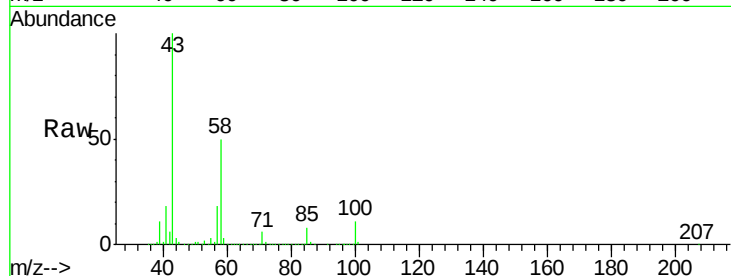




#59
2-Hexanone
Concen: 78.216 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

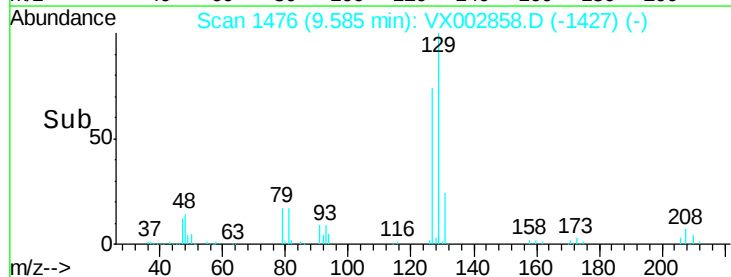
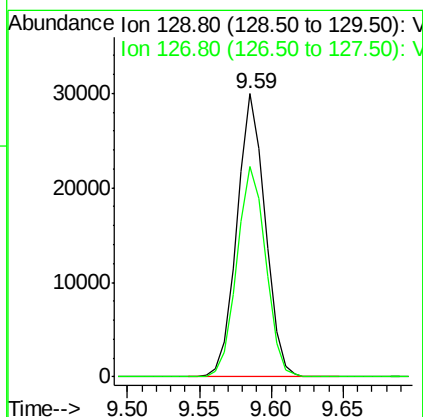
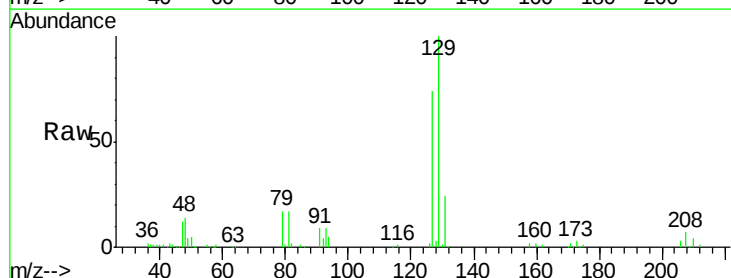
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

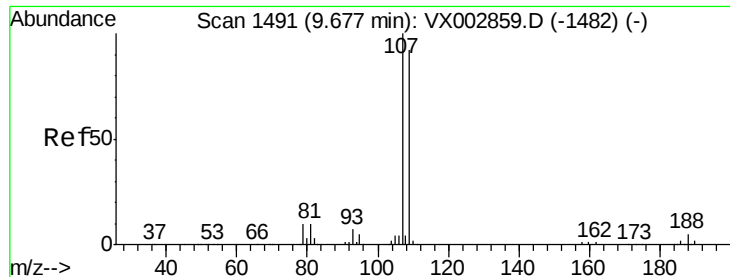
Tgt Ion: 43 Resp: 230302
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.6



#60
Dibromochloromethane
Concen: 16.909 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 129 Resp: 40939
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 16.372 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

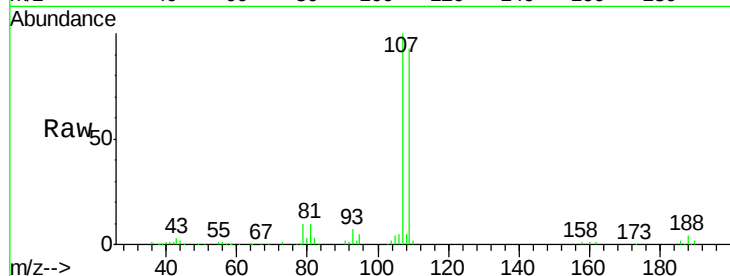
VSTDIC020

Tgt Ion: 107 Resp: 42530

Ion Ratio Lower Upper

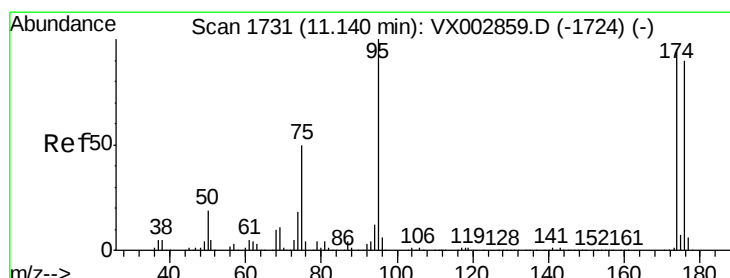
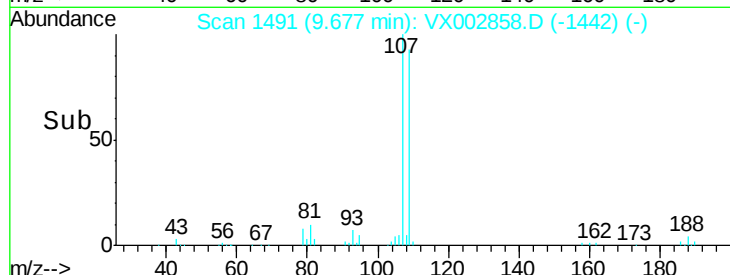
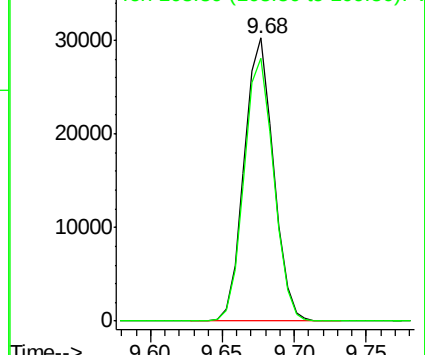
107 100

109 94.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.194 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

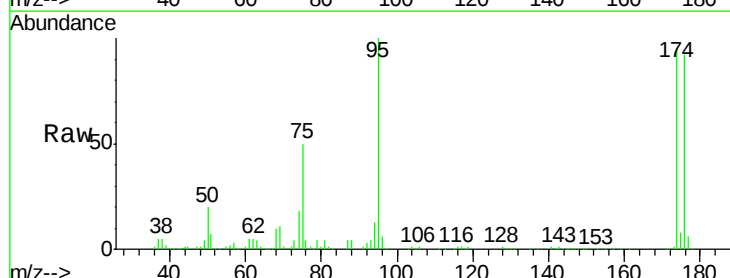
Tgt Ion: 95 Resp: 63837

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

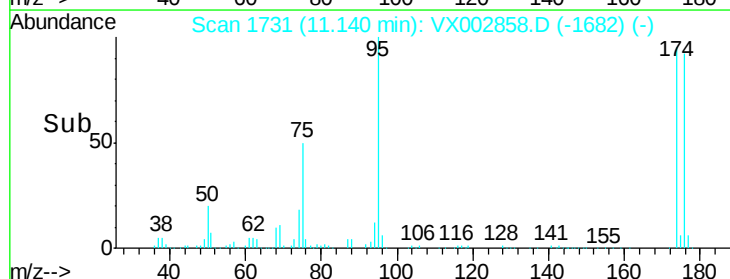
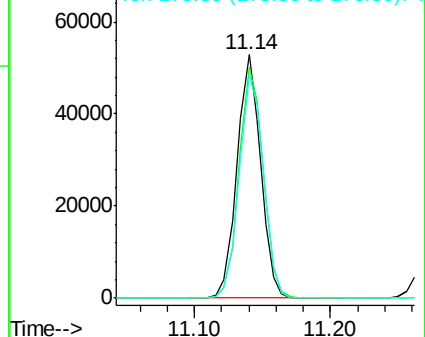
176 94.2 0.0 181.0

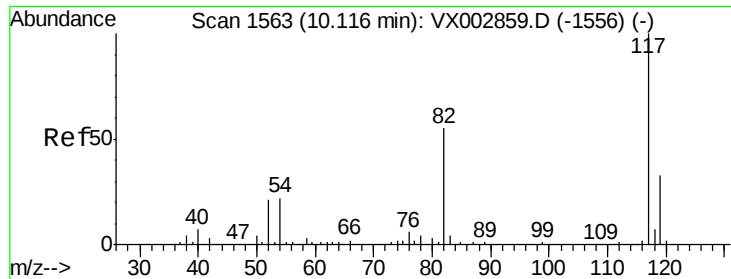


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

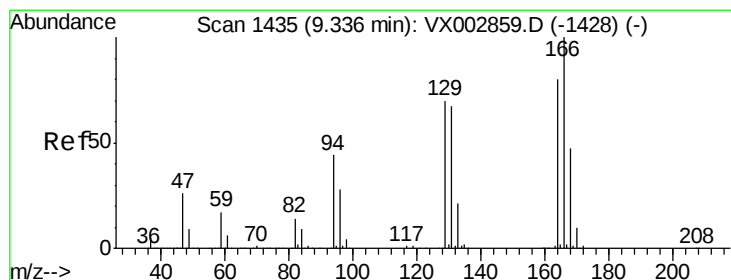
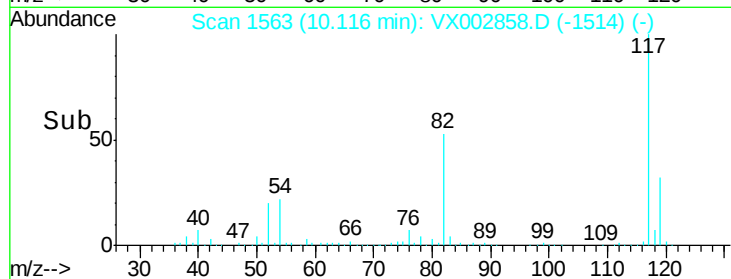
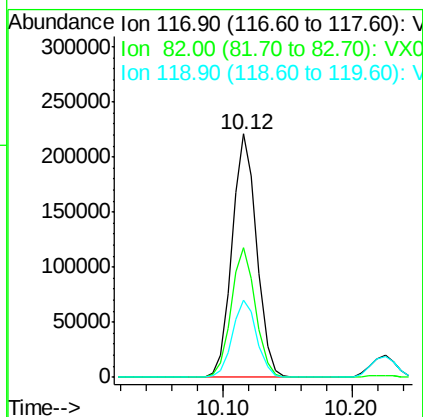
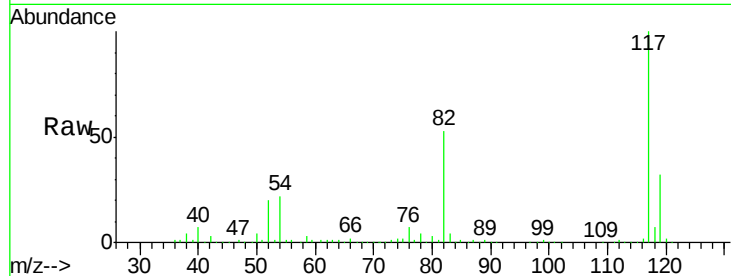




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

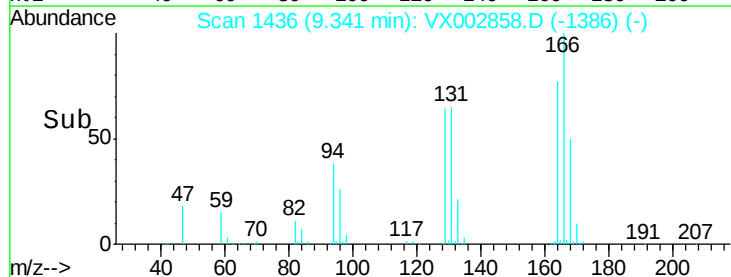
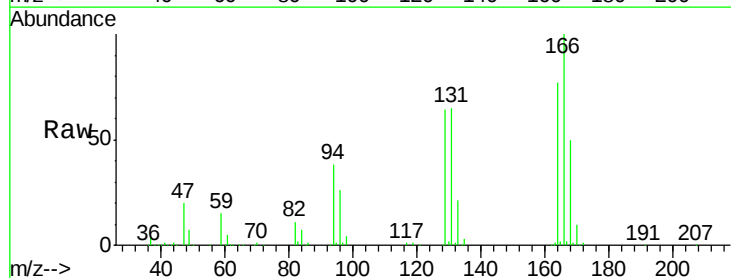
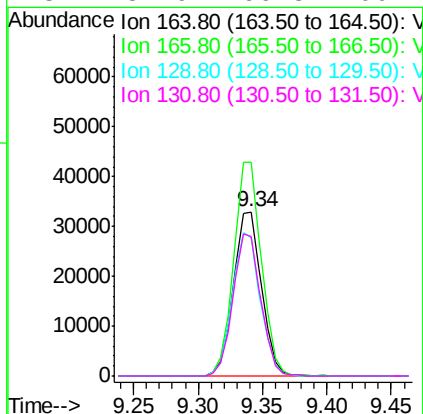
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 295081
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 15.280 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion:164 Resp: 50048
Ion Ratio Lower Upper
164 100
166 129.9 102.9 154.3
129 83.7 68.6 102.8
131 84.9 66.8 100.2





#65

Chlorobenzene

Concen: 15.600 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

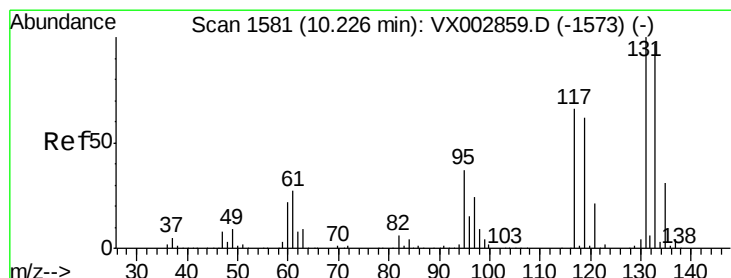
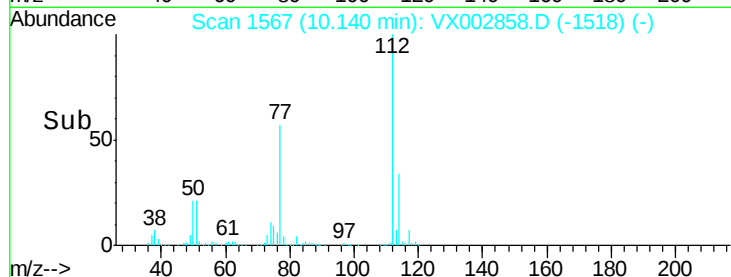
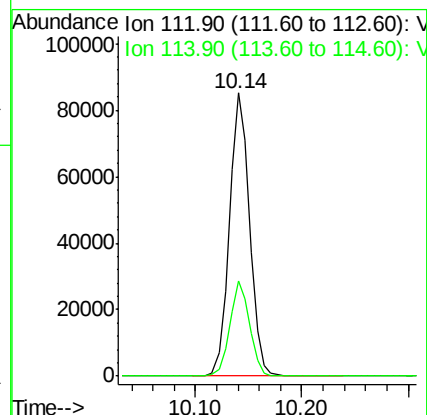
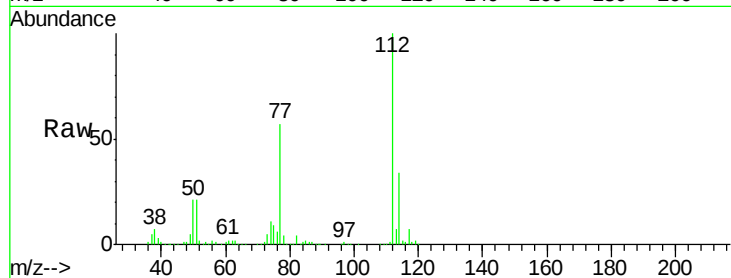
VSTDIC020

Tgt Ion:112 Resp: 113050

Ion Ratio Lower Upper

112 100

114 33.6 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 16.603 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

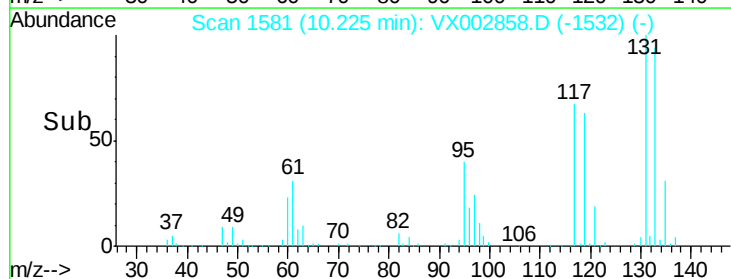
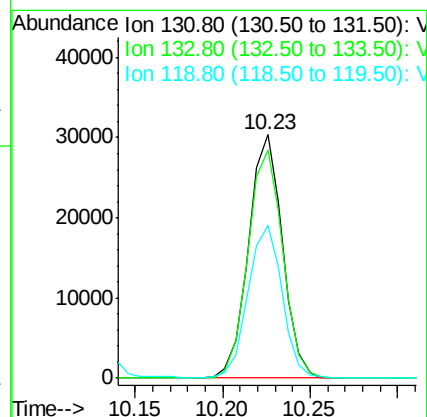
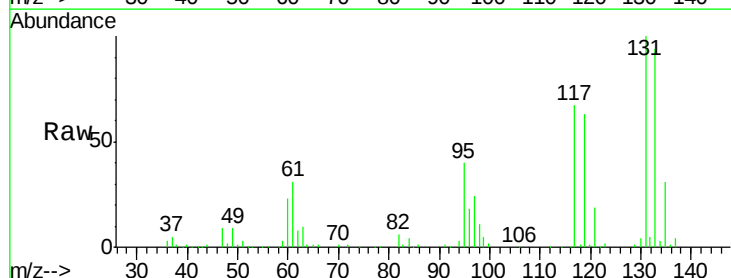
Tgt Ion:131 Resp: 41020

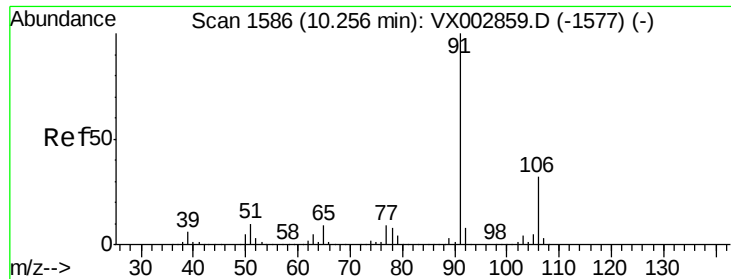
Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.6

119 63.1 31.8 95.3

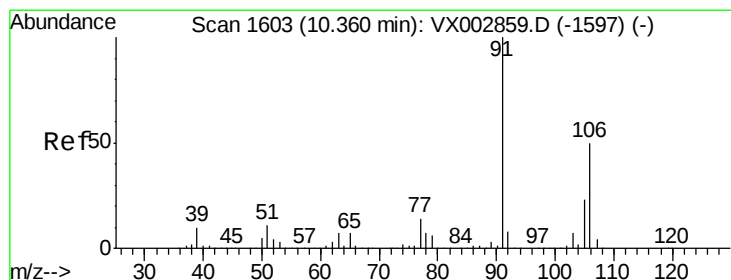
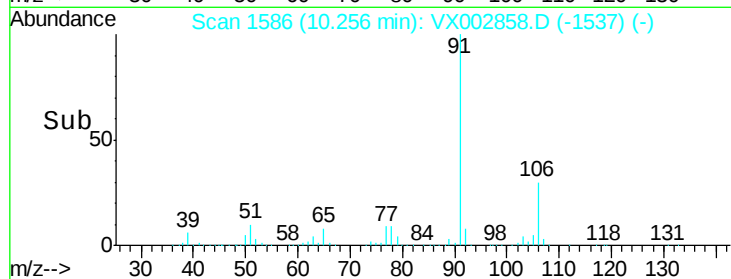
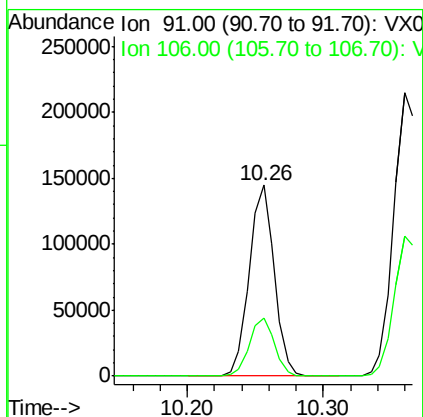
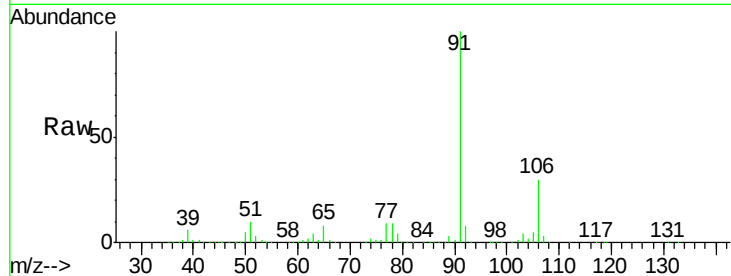




#67
Ethyl Benzene
Concen: 15.305 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

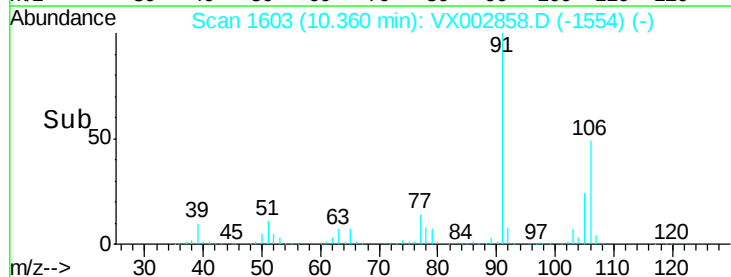
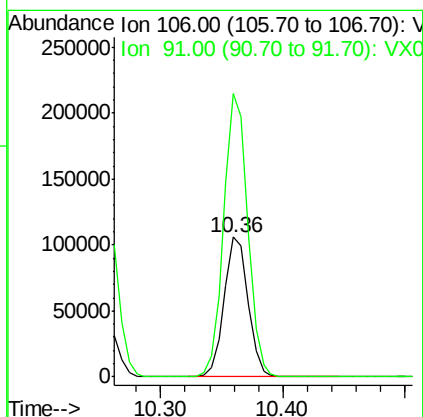
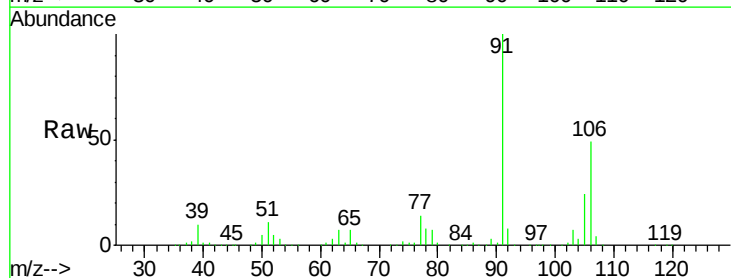
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

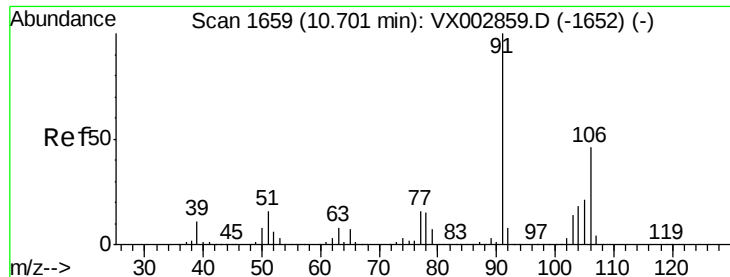
Tgt Ion: 91 Resp: 187076
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3



#68
m/p-Xylenes
Concen: 30.389 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 106 Resp: 143282
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2

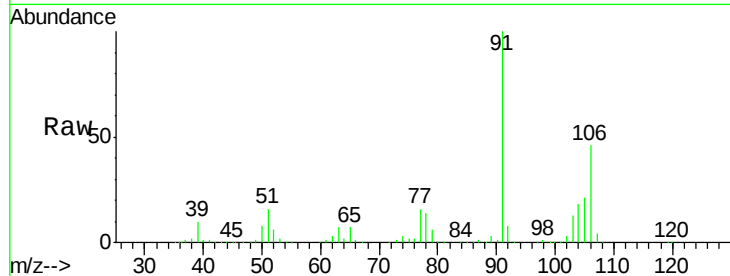




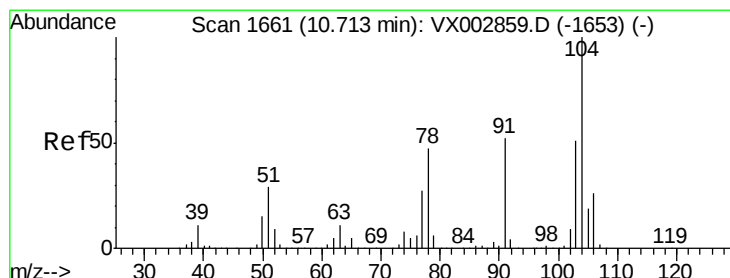
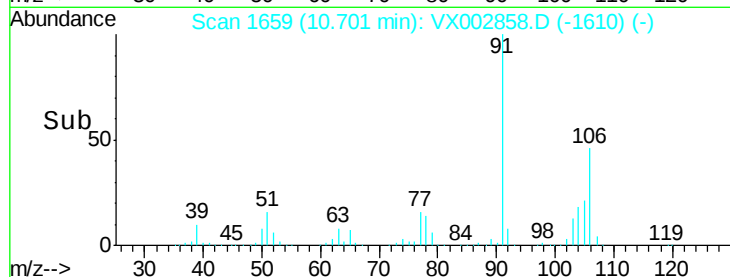
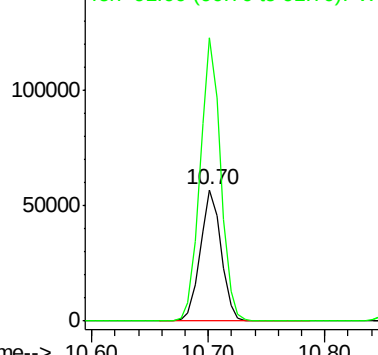
#69
o-Xylene
Concen: 15.303 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 70892
Ion Ratio Lower Upper
106 100
91 212.5 108.2 324.6

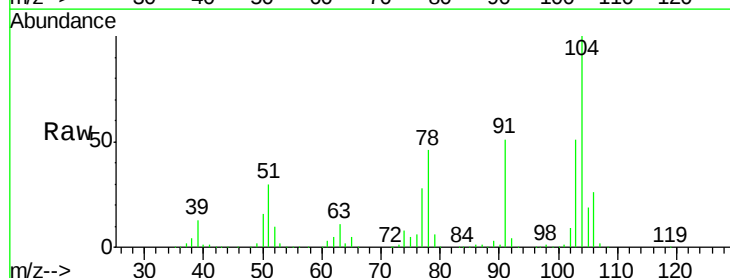


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

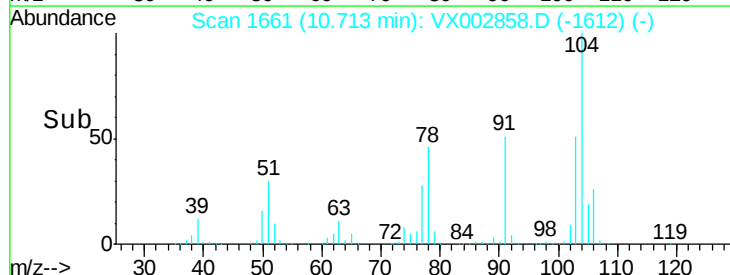
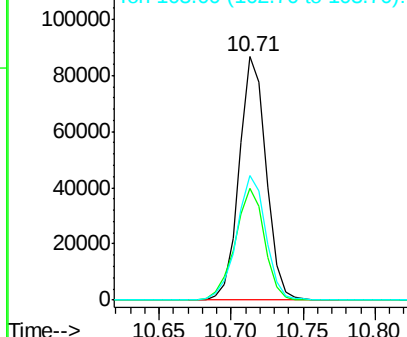


#70
Styrene
Concen: 14.769 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion:104 Resp: 112517
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.507 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

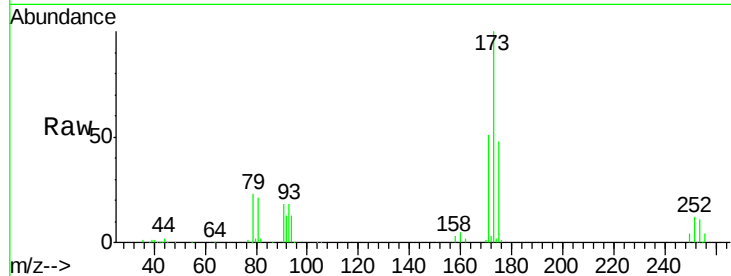
Tgt Ion:173 Resp: 30648

Ion Ratio Lower Upper

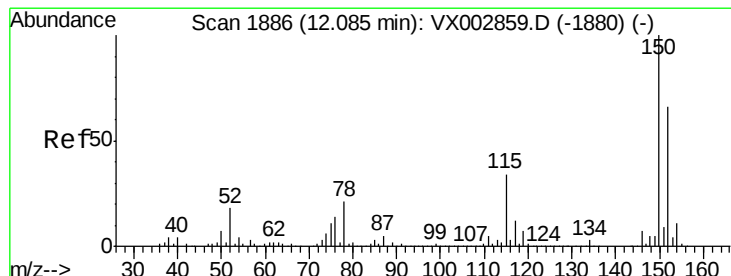
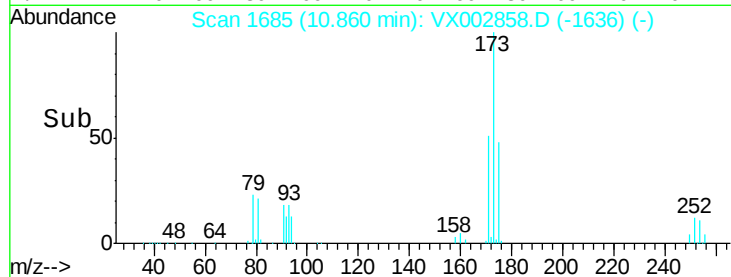
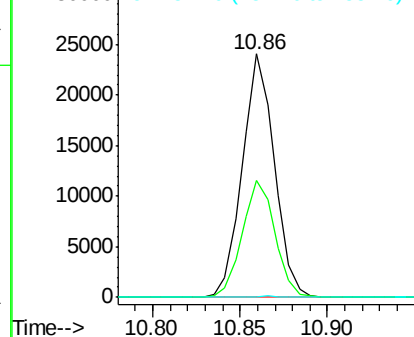
173 100

175 49.0 24.7 74.1

254 0.4 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

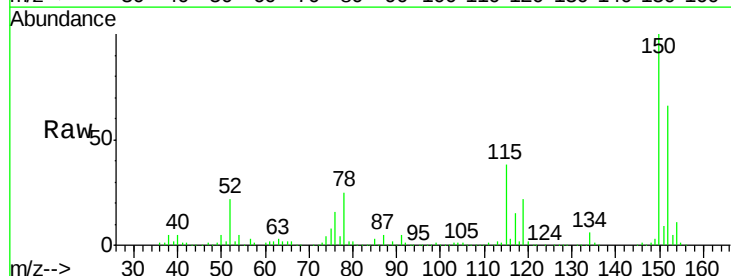
Tgt Ion:152 Resp: 175403

Ion Ratio Lower Upper

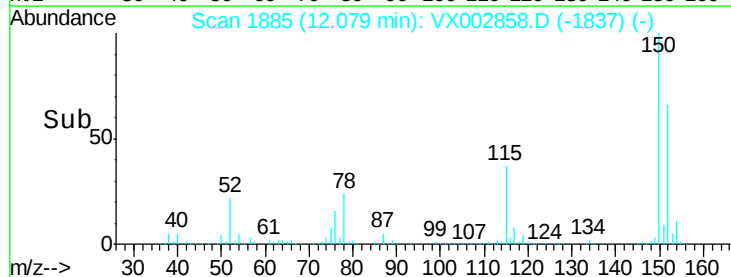
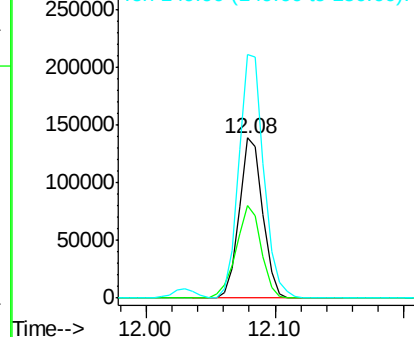
152 100

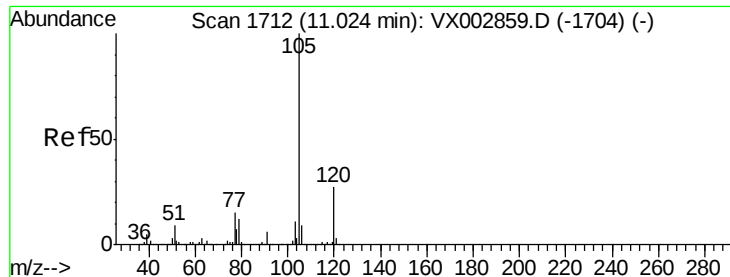
115 62.4 40.1 120.2

150 162.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 16.006 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

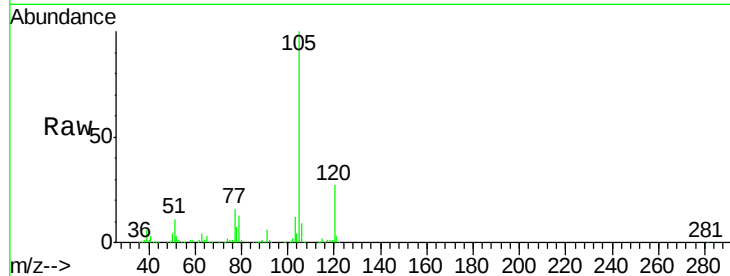
VSTDIC020

Tgt Ion: 105 Resp: 187770

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

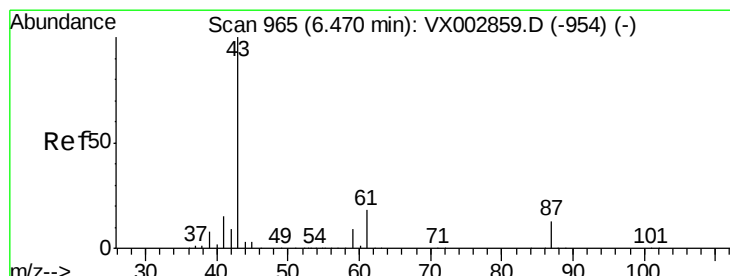
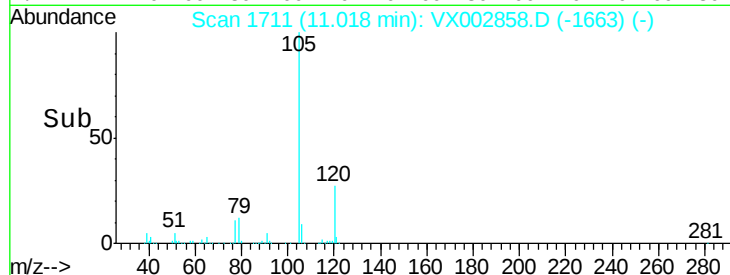
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 15.805 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion: 43 Resp: 92120

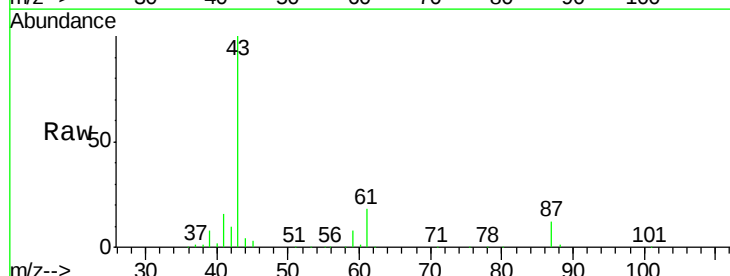
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.6 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.47

50000

40000

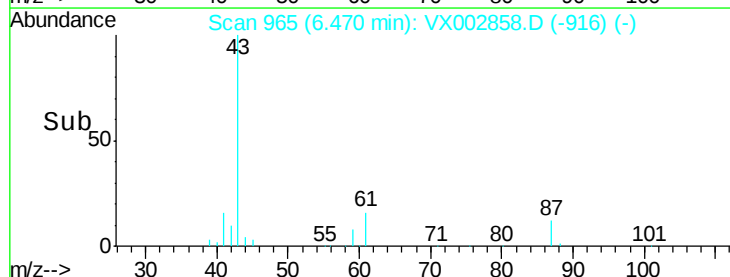
30000

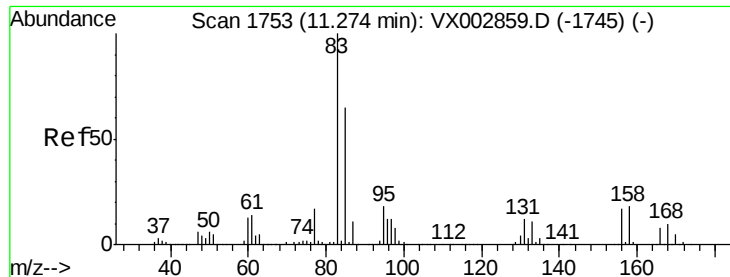
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.944 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

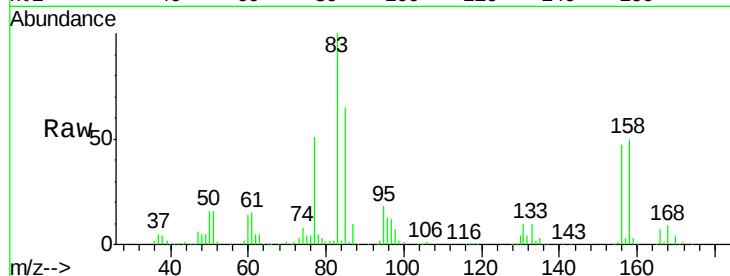
Tgt Ion: 83 Resp: 58698

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

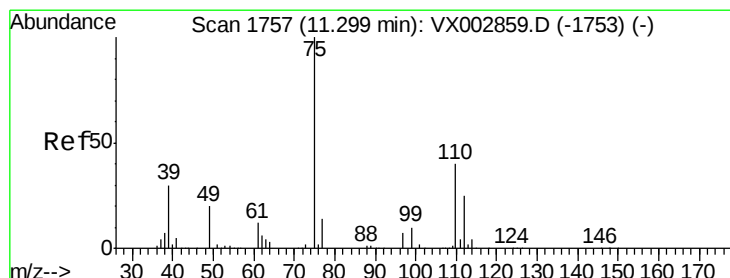
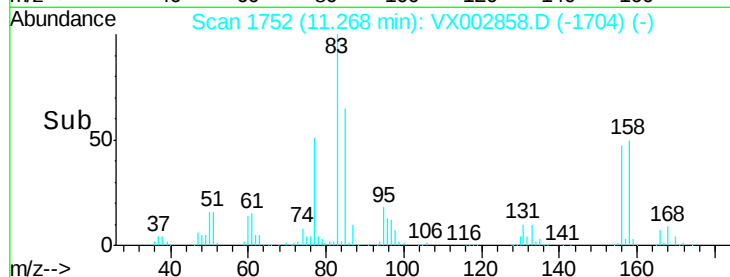
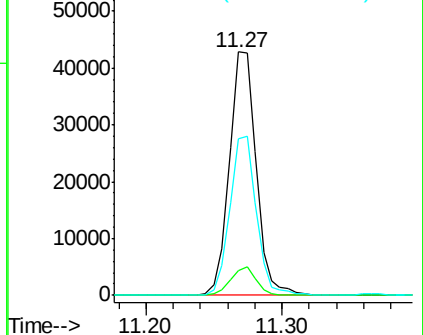
85 65.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.983 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002858.D

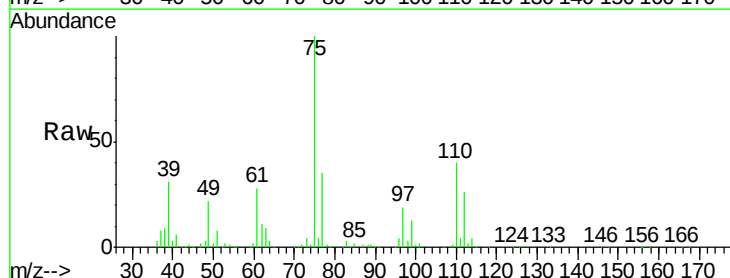
Acq: 25 Jun 2018 11:47

Tgt Ion: 75 Resp: 66140

Ion Ratio Lower Upper

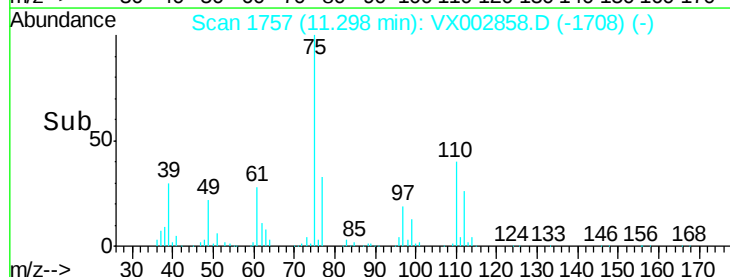
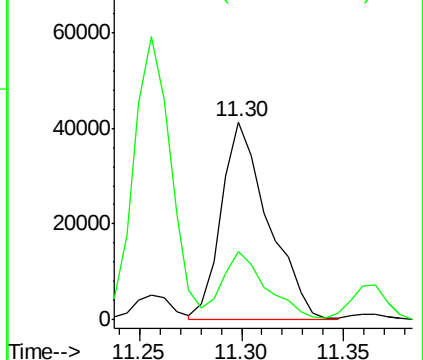
75 100

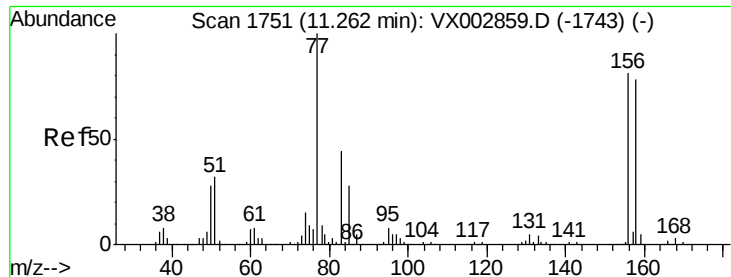
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 16.266 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

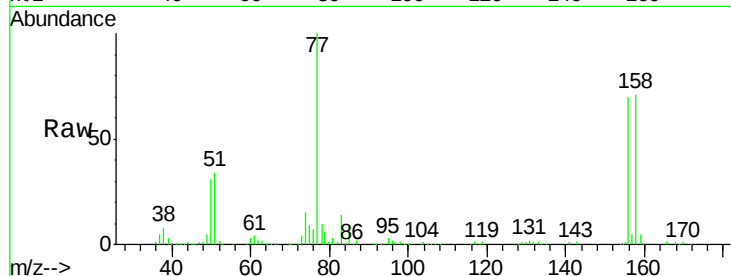
Tgt Ion:156 Resp: 53162

Ion Ratio Lower Upper

156 100

77 140.0 71.4 214.2

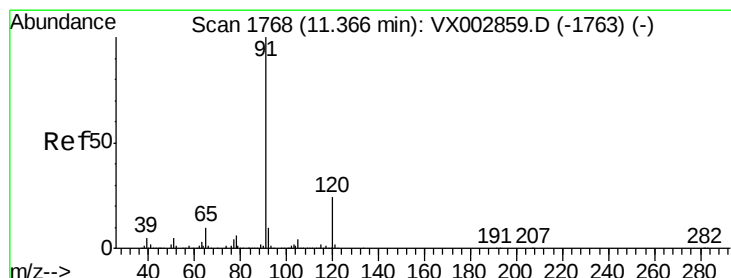
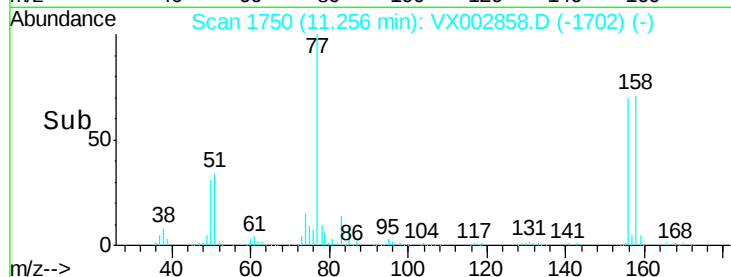
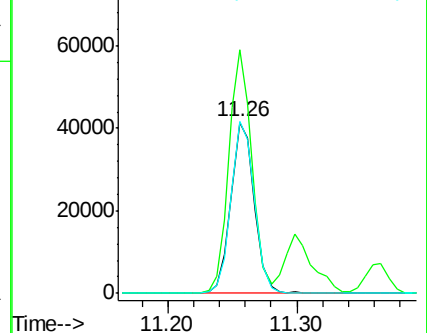
158 100.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 15.939 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002858.D

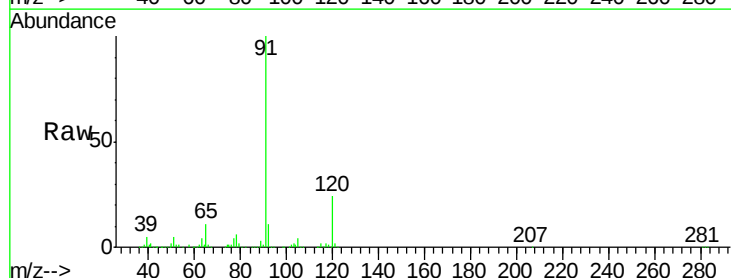
Acq: 25 Jun 2018 11:47

Tgt Ion: 91 Resp: 214439

Ion Ratio Lower Upper

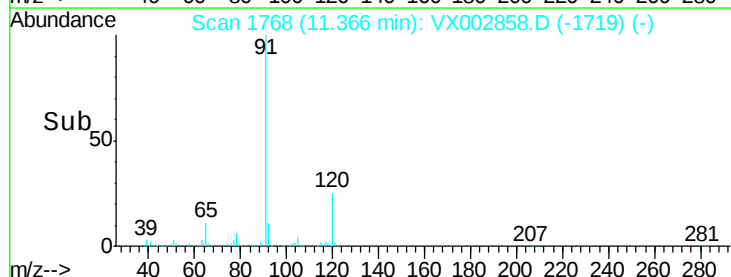
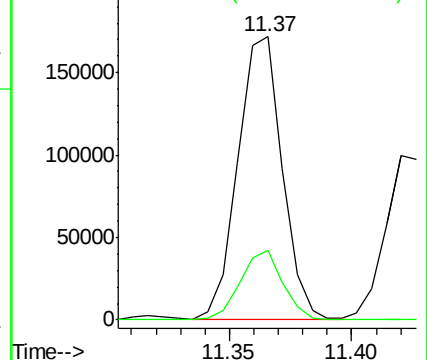
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.167 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

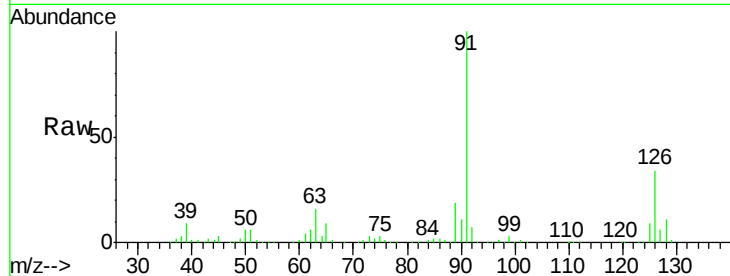
VSTDIC020

Tgt Ion: 91 Resp: 129861

Ion Ratio Lower Upper

91 100

126 35.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002858.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002858.D (-1773) (-)

200000

150000

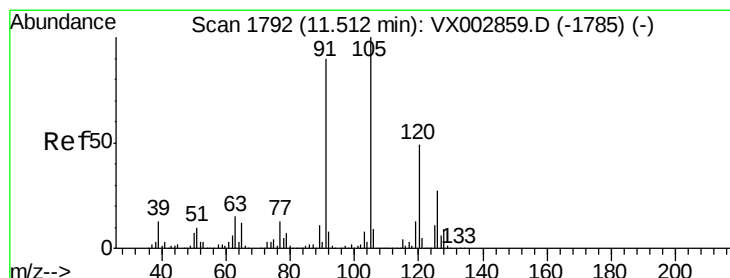
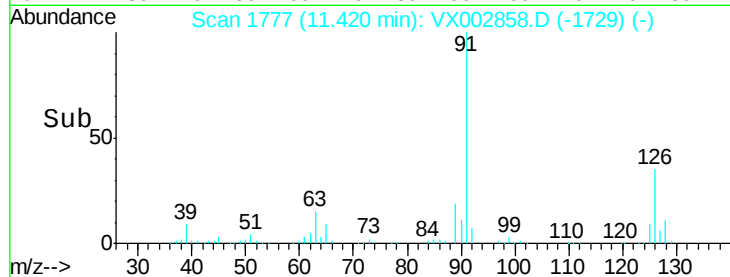
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.980 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002858.D

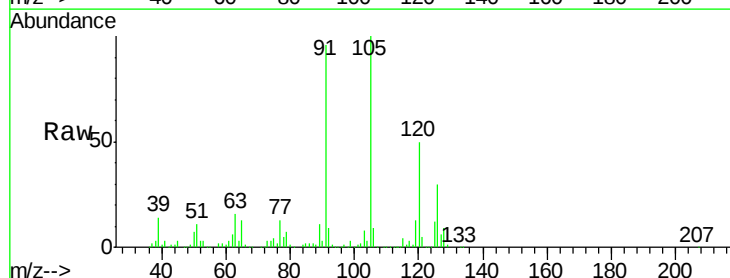
Acq: 25 Jun 2018 11:47

Tgt Ion: 105 Resp: 158430

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002858.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX002858.D (-1743) (-)

150000

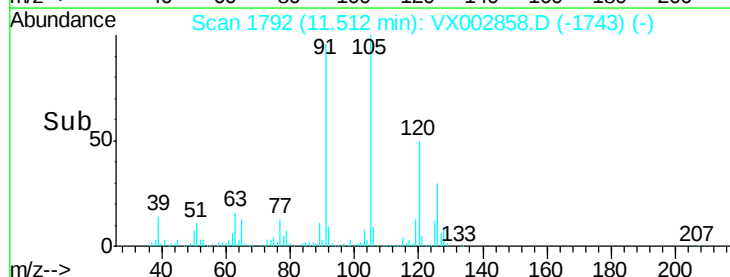
100000

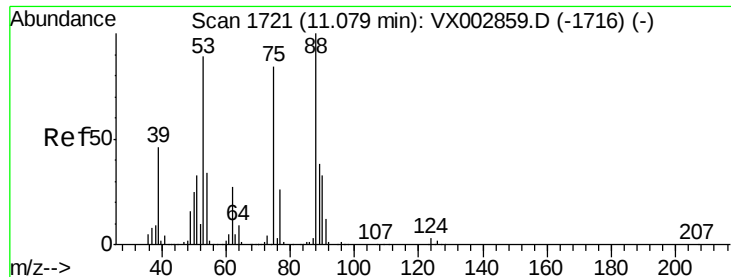
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.145 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

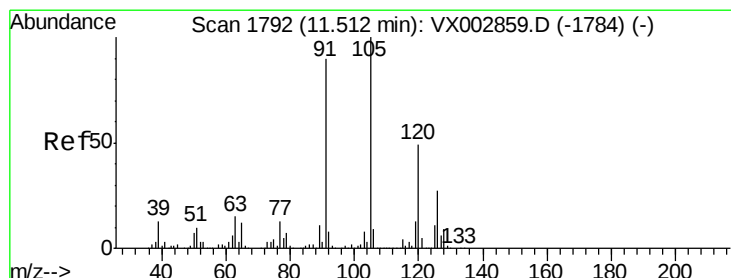
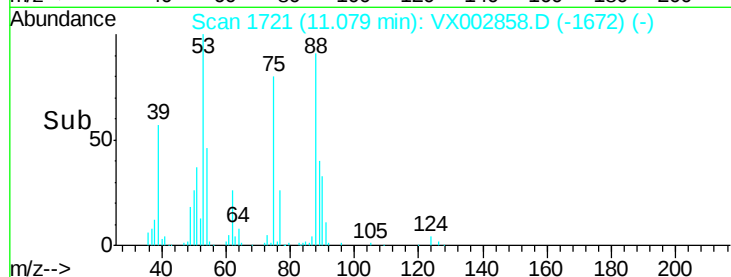
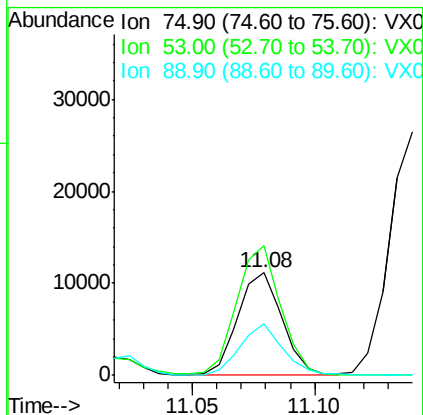
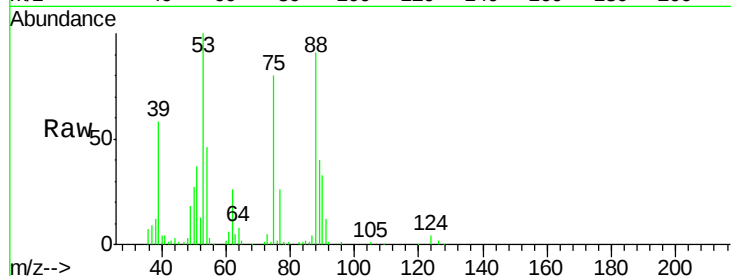
Tgt Ion: 75 Resp: 14125

Ion Ratio Lower Upper

75 100

53 125.0 86.8 130.2

89 48.6 38.2 57.2



#82

4-Chlorotoluene

Concen: 16.025 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002858.D

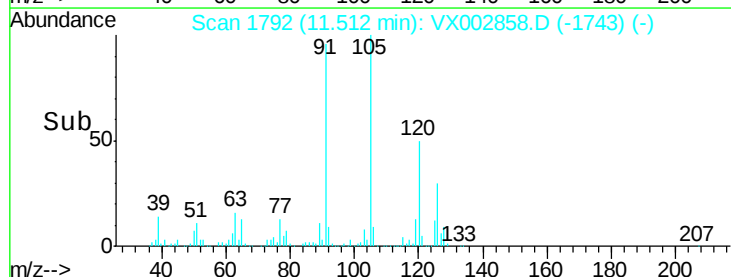
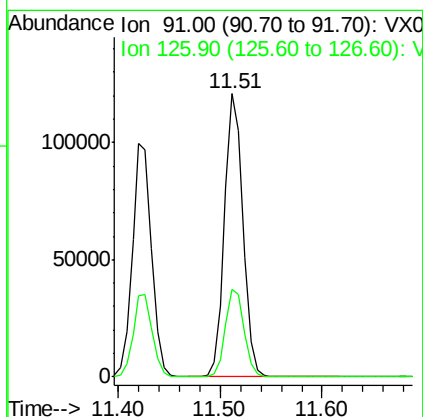
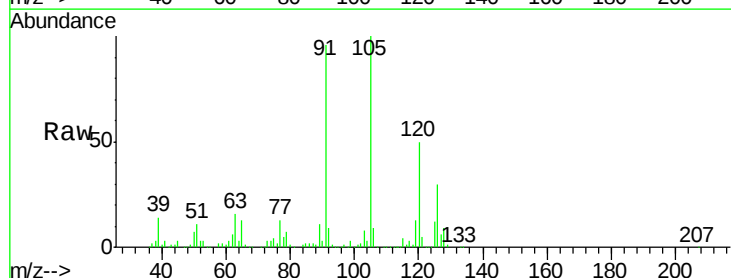
Acq: 25 Jun 2018 11:47

Tgt Ion: 91 Resp: 151892

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.4

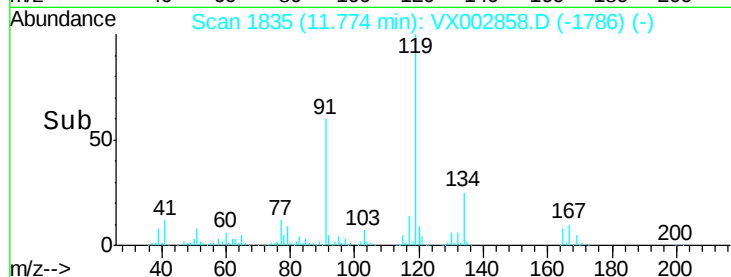
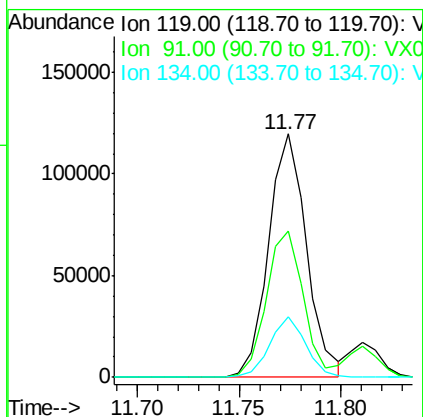
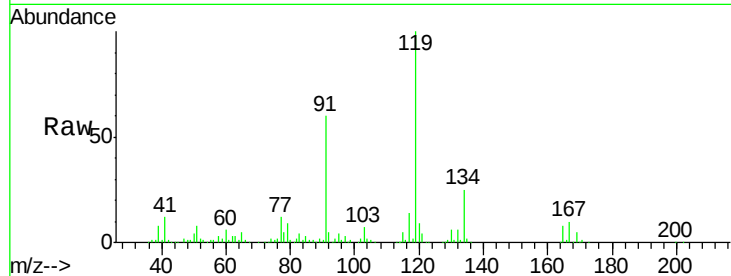




#83
 tert-Butylbenzene
 Concen: 16.243 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

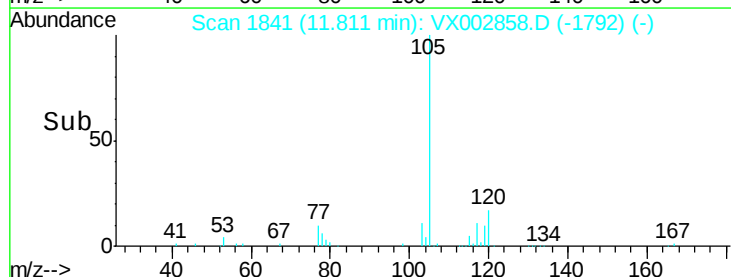
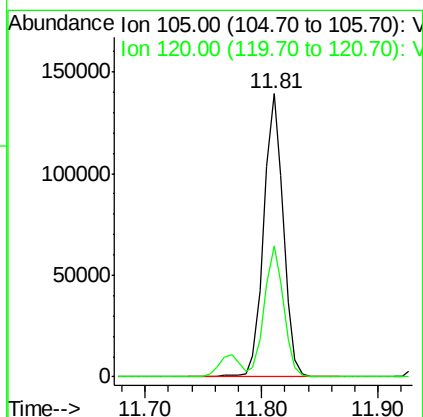
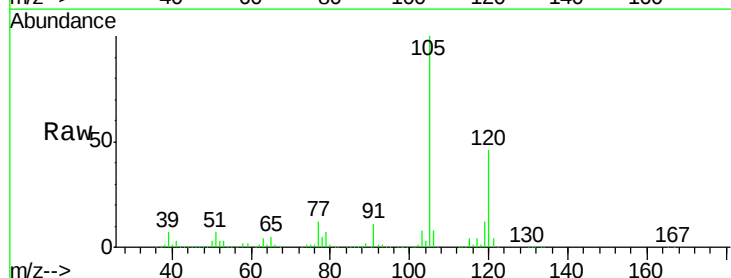
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

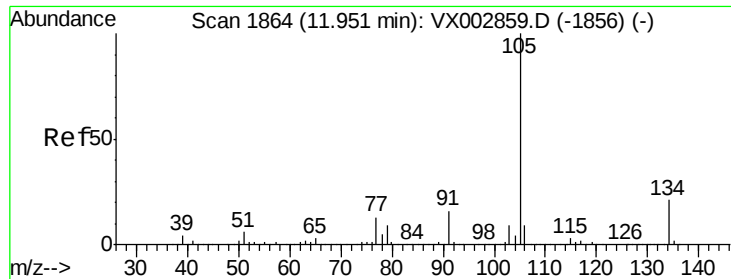
Tgt Ion:119 Resp: 155128
 Ion Ratio Lower Upper
 119 100
 91 58.0 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 16.157 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion:105 Resp: 163447
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.8

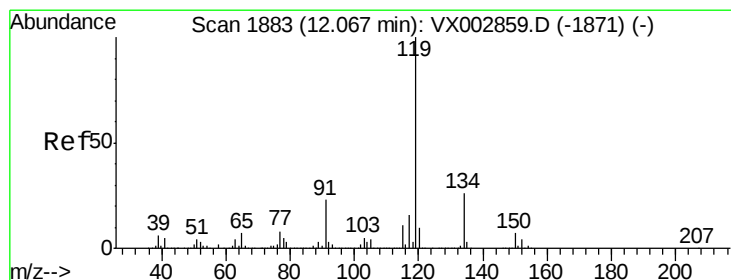
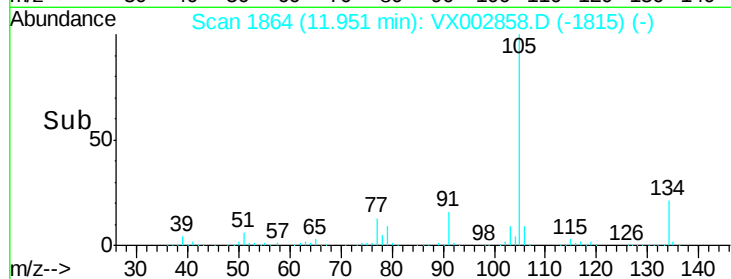
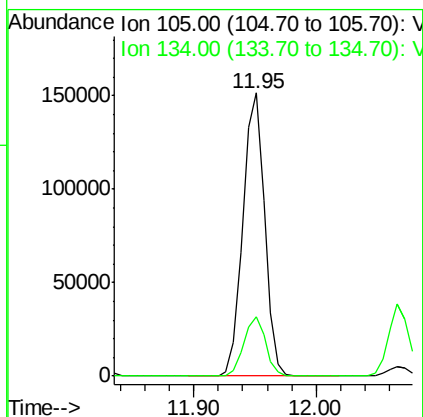
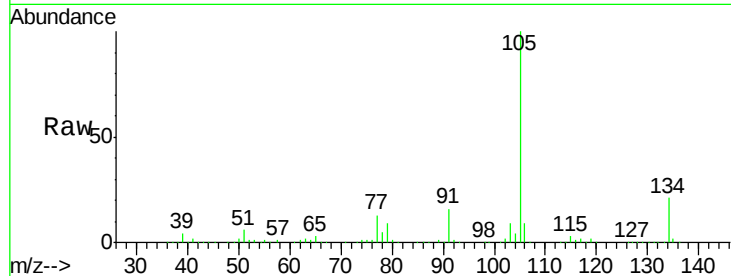




#85
 sec-Butylbenzene
 Concen: 15.677 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

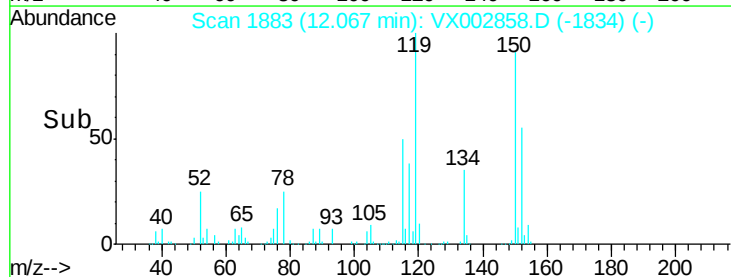
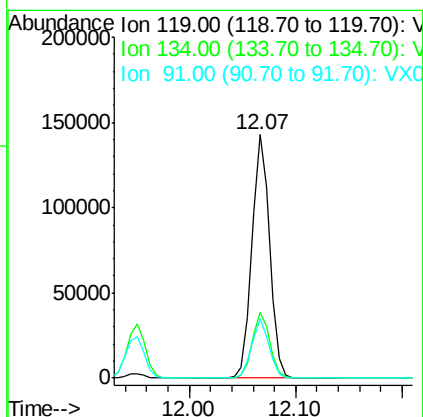
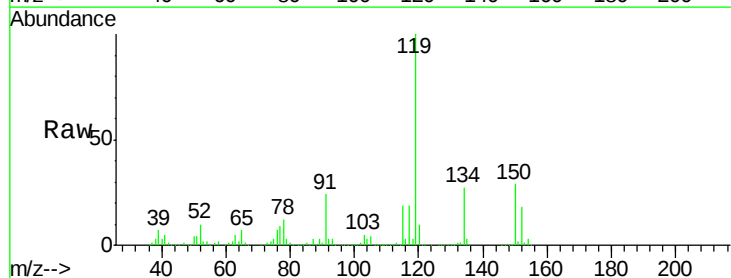
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 186174
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 15.560 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion:119 Resp: 167198
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 15.946 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

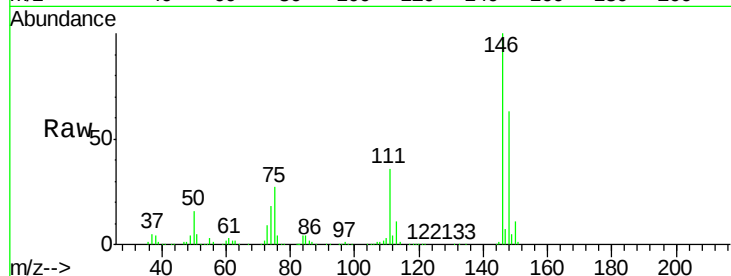
Tgt Ion:146 Resp: 95570

Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.7

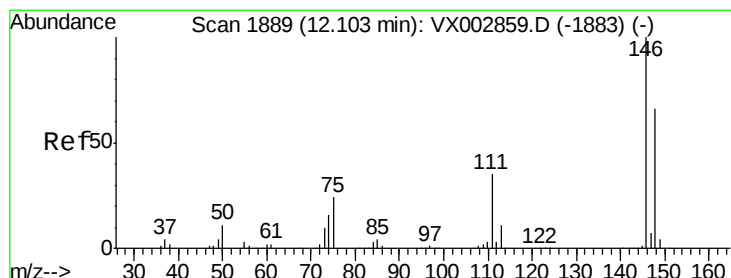
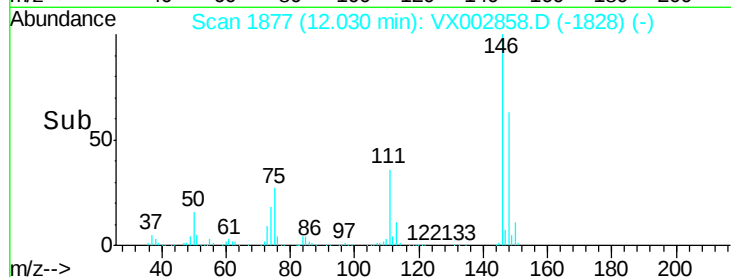
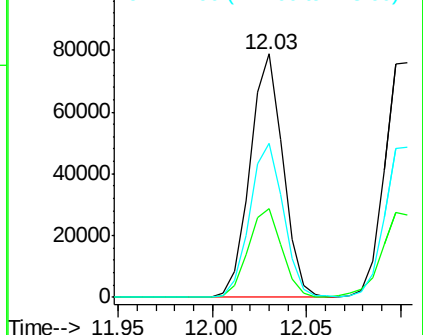
148 64.7 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 16.055 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

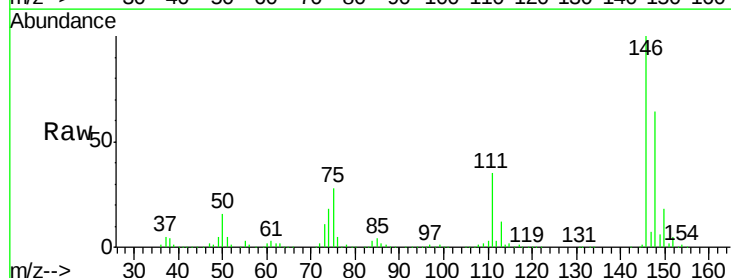
Tgt Ion:146 Resp: 97908

Ion Ratio Lower Upper

146 100

111 37.9 18.7 56.1

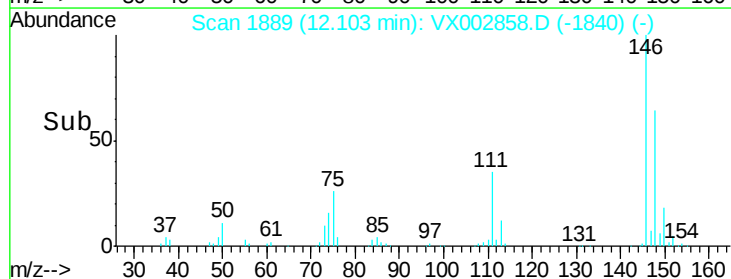
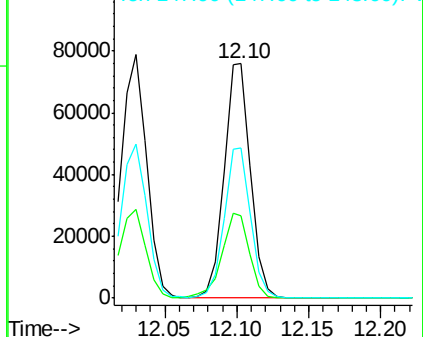
148 64.5 32.4 97.0



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





#89

n-Butylbenzene

Concen: 14.942 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

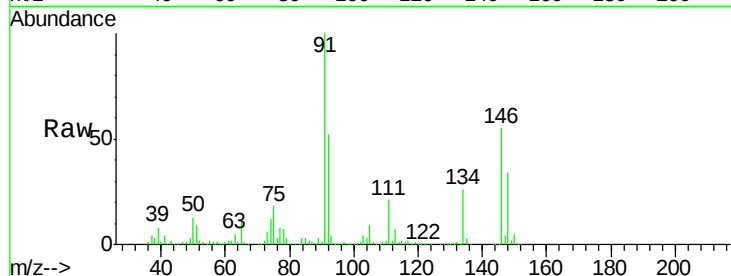
Tgt Ion: 91 Resp: 141639

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

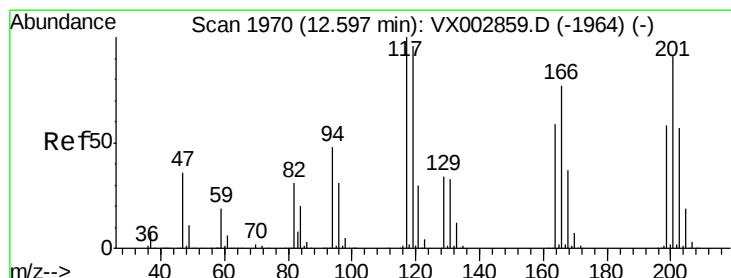
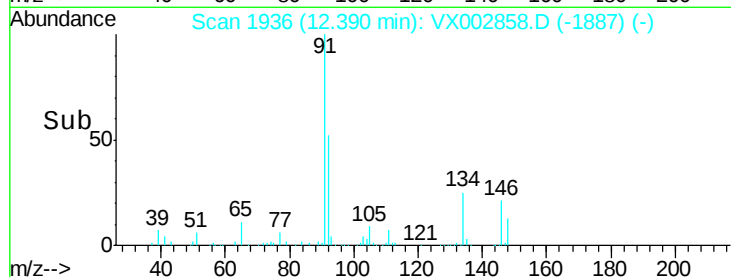
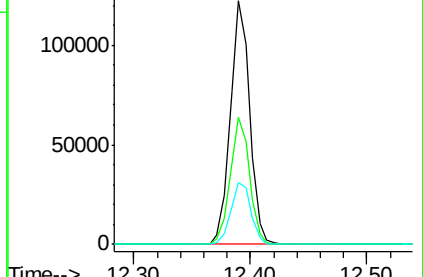
134 26.5 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1928) (-)

Ion 92.00 (91.70 to 92.70): VX002859.D (-1928) (-)

Ion 134.00 (133.70 to 134.70): VX002859.D (-1928) (-)



#90

Hexachloroethane

Concen: 15.800 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX002858.D

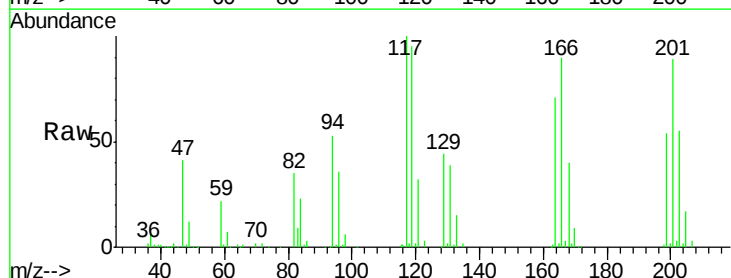
Acq: 25 Jun 2018 11:47

Tgt Ion: 117 Resp: 23433

Ion Ratio Lower Upper

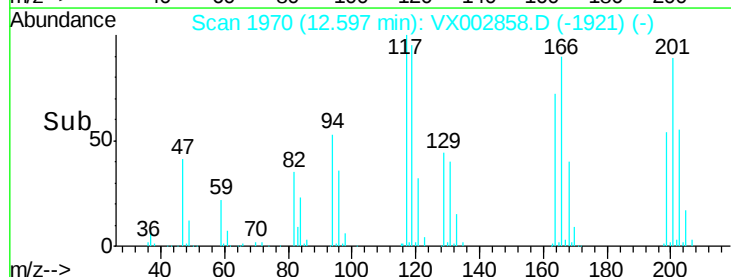
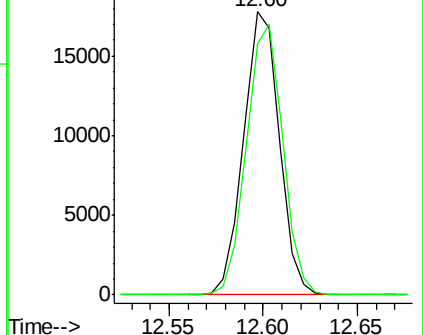
117 100

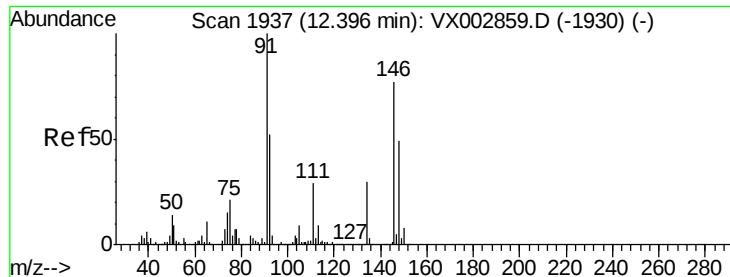
201 96.9 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX002859.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX002859.D (-1964) (-)





#91

1,2-Dichlorobenzene

Concen: 16.169 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

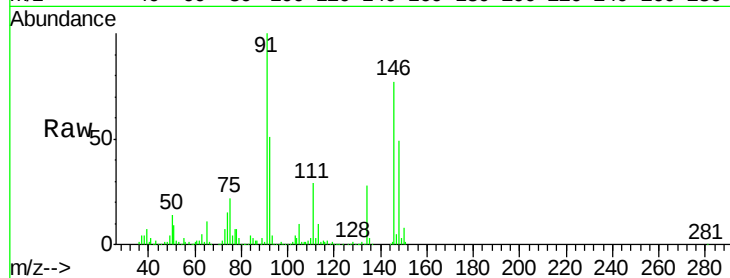
Tgt Ion:146 Resp: 97539

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.1

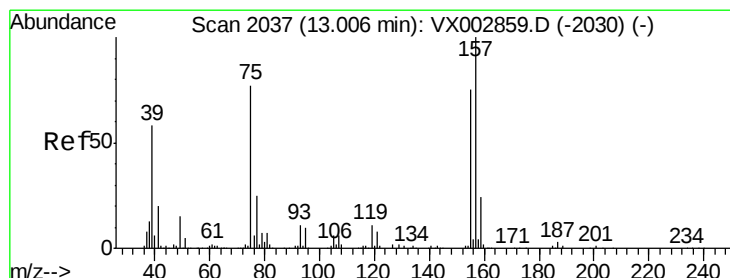
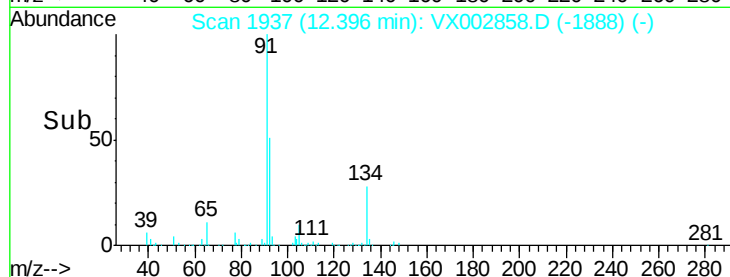
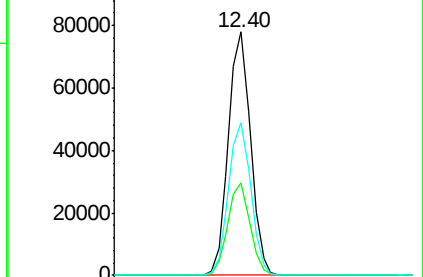
148 63.4 31.7 95.1



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: 16.421 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

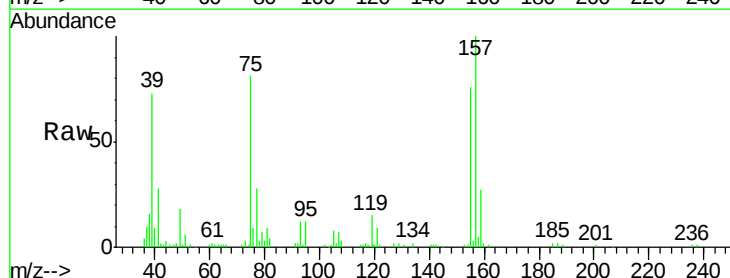
Tgt Ion: 75 Resp: 11916

Ion Ratio Lower Upper

75 100

155 91.5 45.8 137.4

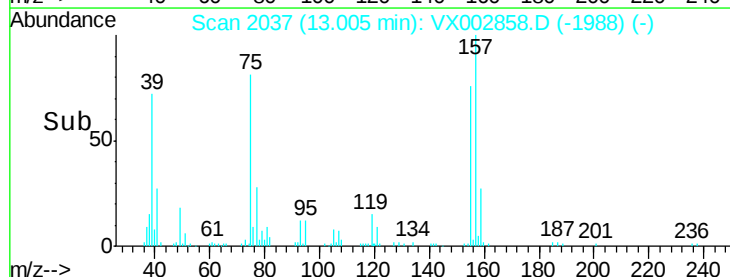
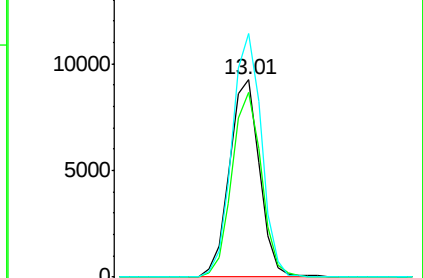
157 120.3 60.1 180.3

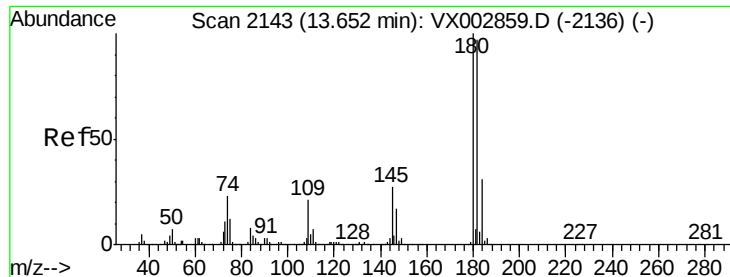


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

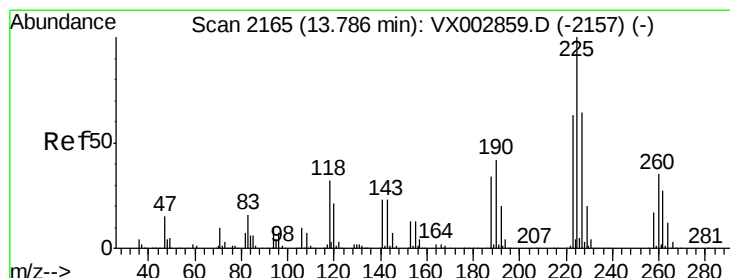
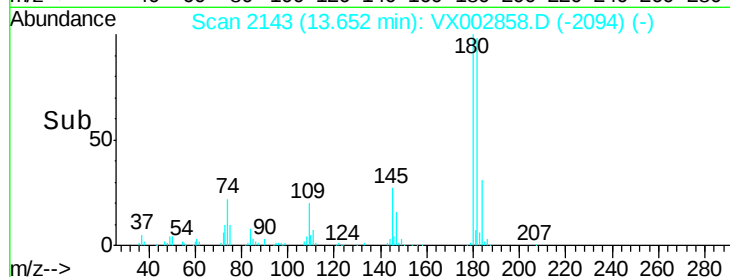
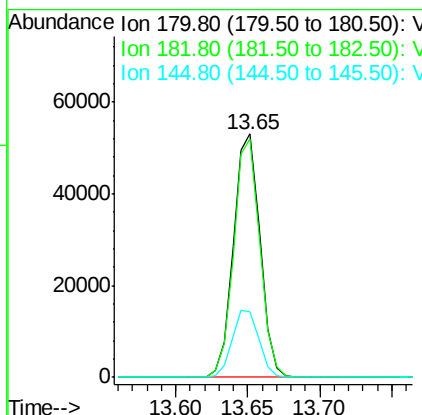
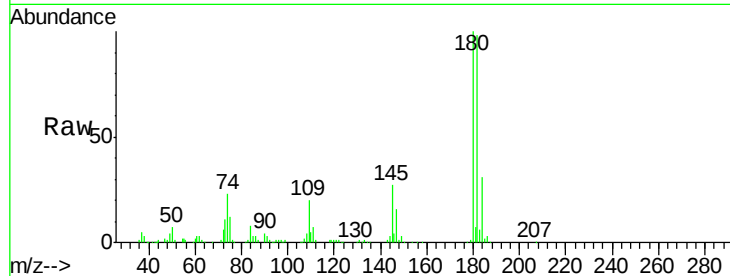




#93
 1,2,4-Trichlorobenzene
 Concen: 15.643 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

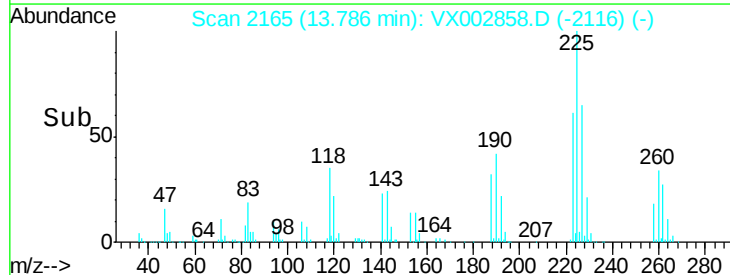
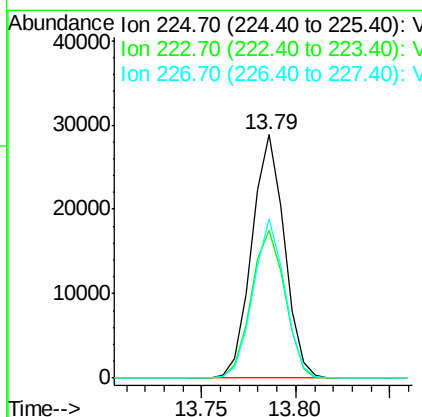
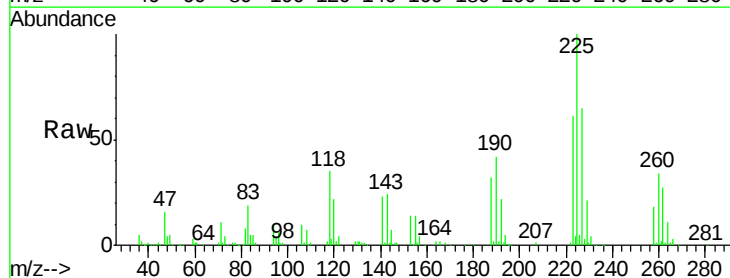
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

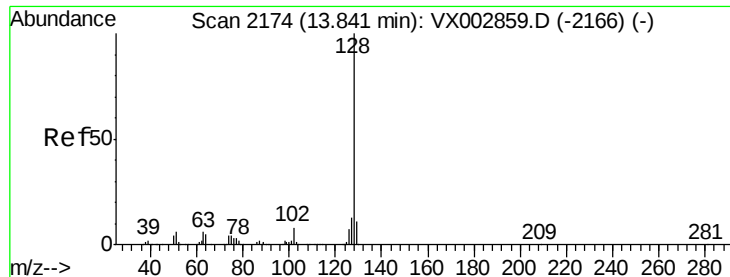
Tgt Ion:180 Resp: 68484
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 14.989 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion:225 Resp: 34569
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 63.8 32.4 97.2





#95

Naphthalene

Concen: 15.929 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

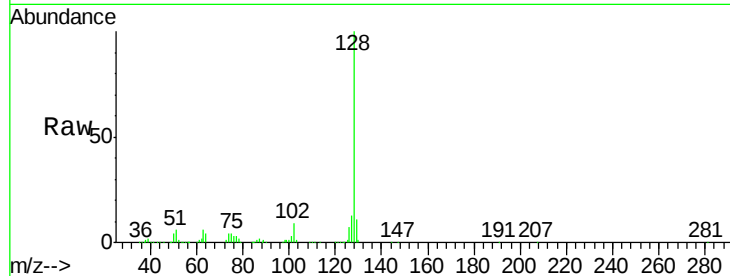
Tgt Ion:128 Resp: 187662

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

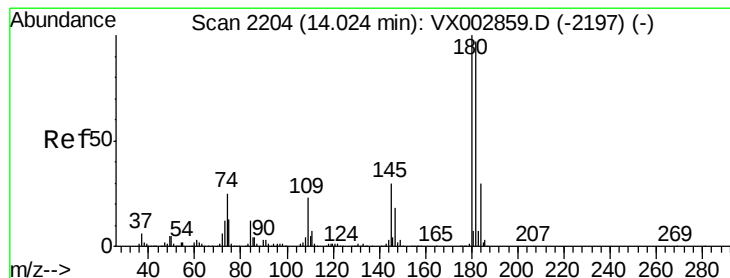
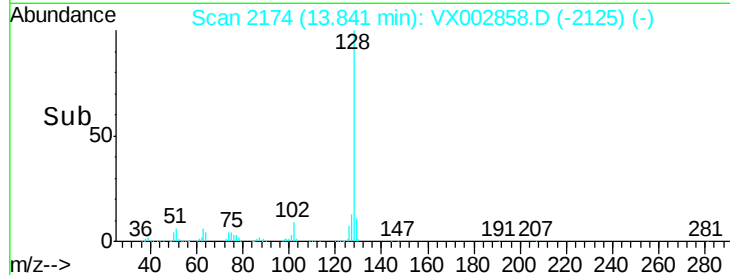
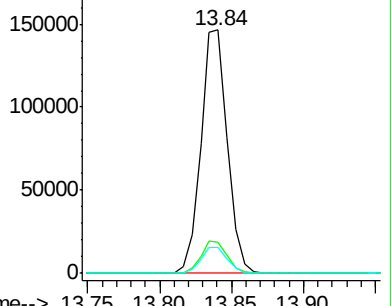
129 10.9 8.6 13.0



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: 16.133 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

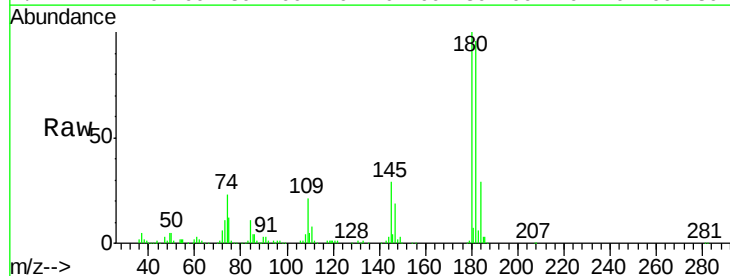
Tgt Ion:180 Resp: 70940

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.0

145 29.5 14.8 44.3



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

