

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002928.D
 Acq On : 27 Jun 2018 10:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 03:09:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234606	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	184538	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	5.50	113	150419	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.72	98	549154	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.14	95	216002	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	117999	47.84	ug/l	99
3) Chloromethane	1.32	50	126583	49.43	ug/l	100
4) Vinyl Chloride	1.40	62	141239	45.22	ug/l	100
5) Bromomethane	1.64	94	90921	63.08	ug/l	99
6) Chloroethane	1.72	64	93209	50.91	ug/l	99
7) Trichlorofluoromethane	1.93	101	253424	48.11	ug/l	98
8) Diethyl Ether	2.19	74	90073	47.03	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	146998	48.16	ug/l	99
10) Methyl Iodide	2.51	142	148489	48.22	ug/l	99
11) Tert butyl alcohol	3.07	59	164124	215.84	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126832	46.57	ug/l	98
13) Acrolein	2.29	56	94535	224.69	ug/l	99
14) Allyl chloride	2.73	41	255003	47.50	ug/l	99
15) Acrylonitrile	3.15	53	374696	230.70	ug/l	100
16) Acetone	2.45	43	419371	265.30	ug/l	98
17) Carbon Disulfide	2.57	76	321437	44.30	ug/l	99
18) Methyl Acetate	2.78	43	222735	50.40	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	466773	47.67	ug/l	99
20) Methylene Chloride	2.86	84	142805	46.42	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	135958	45.83	ug/l	96
22) Diisopropyl ether	3.87	45	499174	48.64	ug/l	98
23) Vinyl Acetate	3.82	43	2087169	240.18	ug/l	100
24) 1,1-Dichloroethane	3.70	63	267487	47.96	ug/l	100
25) 2-Butanone	4.71	43	564806	240.75	ug/l	99
26) 2,2-Dichloropropane	4.59	77	224286	49.45	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	158323	47.60	ug/l	95
28) Bromochloromethane	5.02	49	135318	50.68	ug/l	94
29) Tetrahydrofuran	5.16	42	342825	227.88	ug/l	98
30) Chloroform	5.21	83	280124	48.94	ug/l	97
31) Cyclohexane	5.57	56	229801	48.01	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	247788	49.20	ug/l	99
36) 1,1-Dichloropropene	5.80	75	202697	50.25	ug/l	99
37) Ethyl Acetate	4.86	43	210183	48.39	ug/l	99
38) Carbon Tetrachloride	5.78	117	225359	50.91	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002928.D
 Acq On : 27 Jun 2018 10:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 03:09:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	241741	51.45	ug/l	99
40) Benzene	6.15	78	588469	50.21	ug/l	99
41) Methacrylonitrile	5.06	41	122965	49.16	ug/l	98
42) 1,2-Dichloroethane	6.20	62	232660	49.14	ug/l	100
43) Isopropyl Acetate	6.46	43	352257	48.36	ug/l	99
44) Trichloroethene	7.21	130	175372	50.18	ug/l	97
45) 1,2-Dichloropropane	7.52	63	158015	50.82	ug/l	100
46) Dibromomethane	7.67	93	107337	49.75	ug/l	98
47) Bromodichloromethane	7.90	83	208995	52.39	ug/l	99
48) Methyl methacrylate	7.78	41	189403	50.46	ug/l	98
49) 1,4-Dioxane	7.76	88	66493	910.55	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1141307	250.42	ug/l	99
52) Toluene	8.79	92	386734	51.50	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	241406	53.44	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	228694	52.61	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	157406	51.01	ug/l	98
56) Ethyl methacrylate	9.18	69	232403	51.54	ug/l	97
57) 1,3-Dichloropropane	9.37	76	257471	50.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	573282	263.52	ug/l	99
59) 2-Hexanone	9.50	43	888519	256.52	ug/l	98
60) Dibromochloromethane	9.59	129	174132	53.61	ug/l	100
61) 1,2-Dibromoethane	9.68	107	165862	51.25	ug/l	99
64) Tetrachloroethene	9.34	164	199062	49.92	ug/l	98
65) Chlorobenzene	10.14	112	451297	49.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	168947	51.06	ug/l	99
67) Ethyl Benzene	10.26	91	776048	51.58	ug/l	99
68) m/p-Xylenes	10.36	106	603495	104.07	ug/l	99
69) o-Xylene	10.70	106	290153	51.39	ug/l	99
70) Styrene	10.71	104	484292	52.79	ug/l	99
71) Bromoform	10.86	173	135612	45.72	ug/l	100
73) Isopropylbenzene	11.02	105	803602	50.92	ug/l	100
74) N-amyl acetate	6.46	43	352257	45.62	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	232534	47.83	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	271549	63.90	ug/l	79
77) Bromobenzene	11.26	156	219576	48.85	ug/l	98
78) n-propylbenzene	11.37	91	934554	52.02	ug/l	99
79) 2-Chlorotoluene	11.42	91	547572	50.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	695142	52.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	67087	46.09	ug/l	98
82) 4-Chlorotoluene	11.51	91	652986	50.71	ug/l	99
83) tert-Butylbenzene	11.77	119	672694	51.35	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	712842	51.76	ug/l	99
85) sec-Butylbenzene	11.95	105	828264	52.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	764203	53.48	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	410141	49.96	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	418526	49.54	ug/l	99
89) n-Butylbenzene	12.39	91	669559	53.84	ug/l	99
90) Hexachloroethane	12.60	117	112654	53.01	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	413437	49.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52254	47.81	ug/l	98

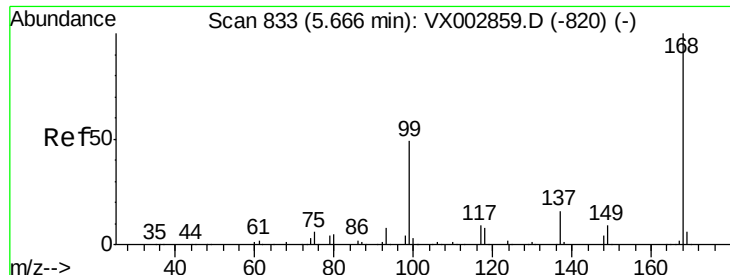
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002928.D
Acq On : 27 Jun 2018 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jun 28 03:09:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	316708	52.52	ug/l	99
94) Hexachlorobutadiene	13.79	225	159412	53.01	ug/l	99
95) Naphthalene	13.84	128	830239	51.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	311898	51.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

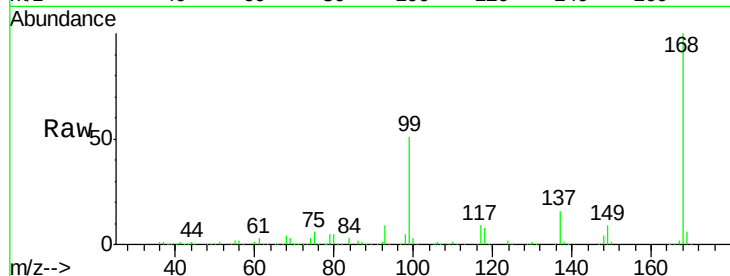
VSTDCCC050

Tot Ion:168 Resp: 276161

Ion Ratio Lower Upper

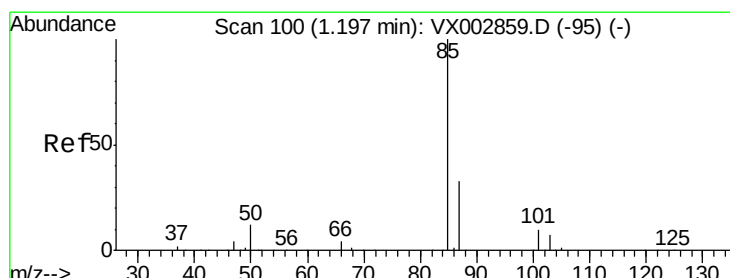
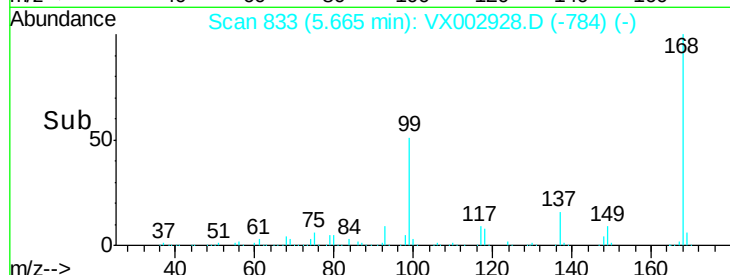
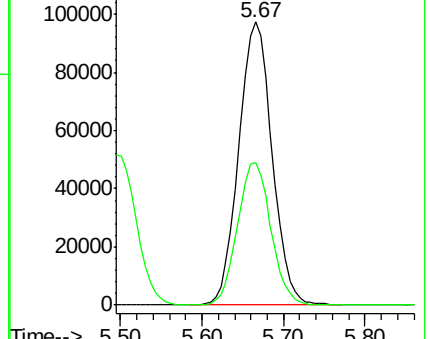
168 100

99 50.4 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: 47.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002928.D

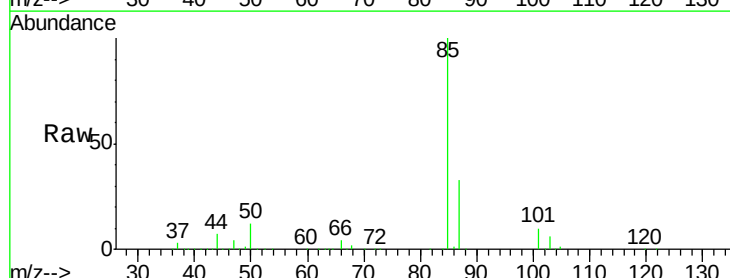
Acq: 27 Jun 2018 10:11

Tgt Ion: 85 Resp: 117999

Ion Ratio Lower Upper

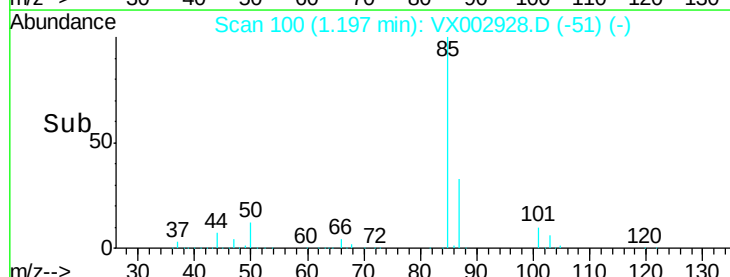
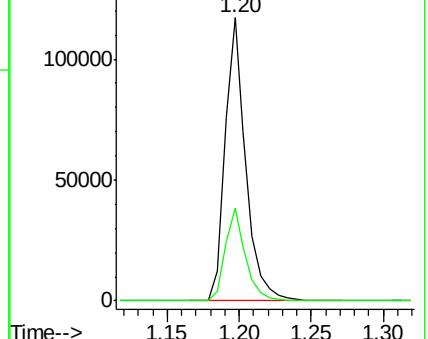
85 100

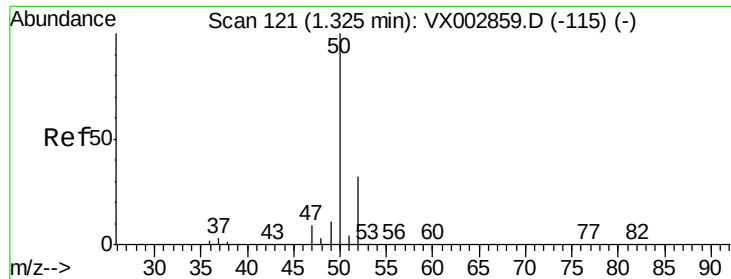
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.43 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

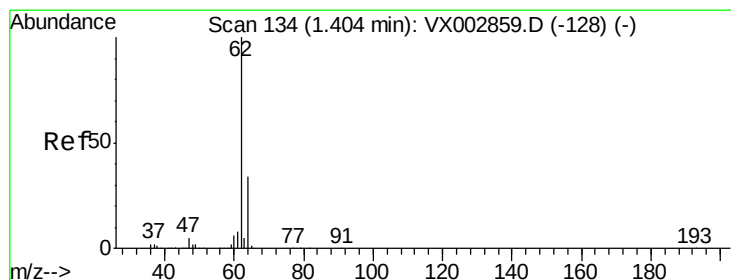
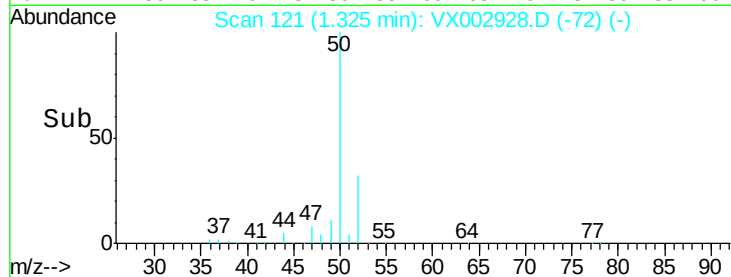
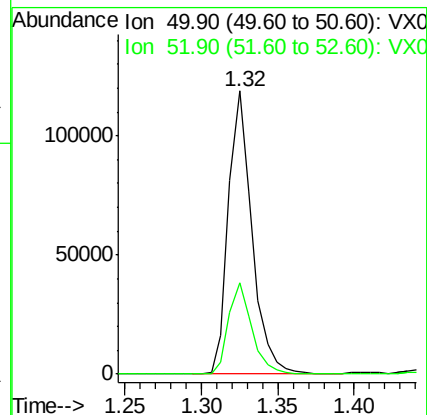
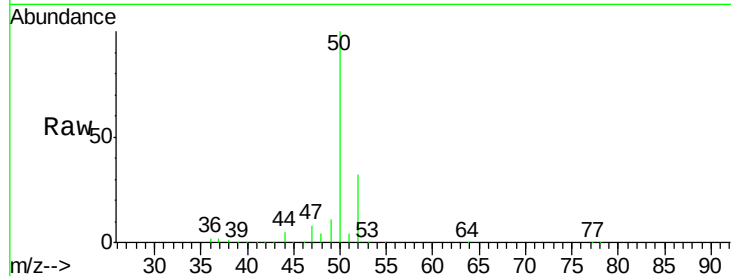
VSTDCCC050

Tot Ion: 50 Resp: 126583

Ion Ratio Lower Upper

50 100

52 32.2 25.7 38.5



#4

Vinyl Chloride

Concen: 45.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002928.D

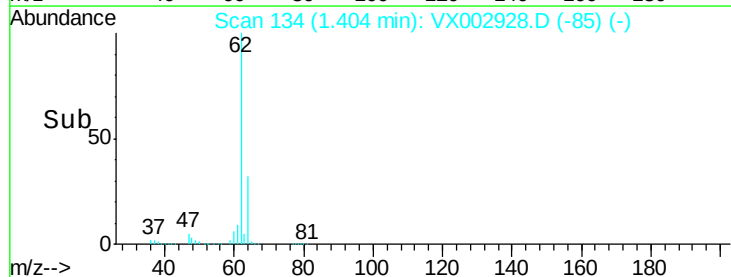
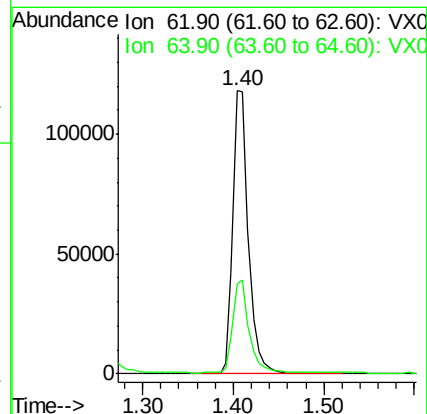
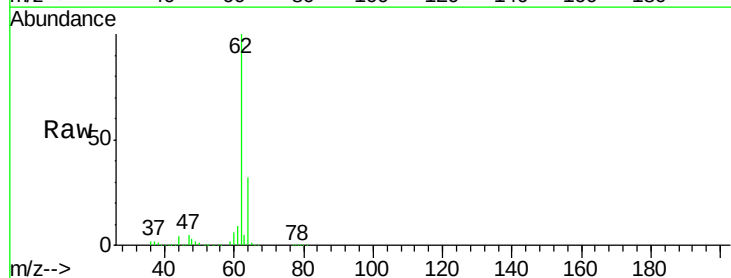
Acq: 27 Jun 2018 10:11

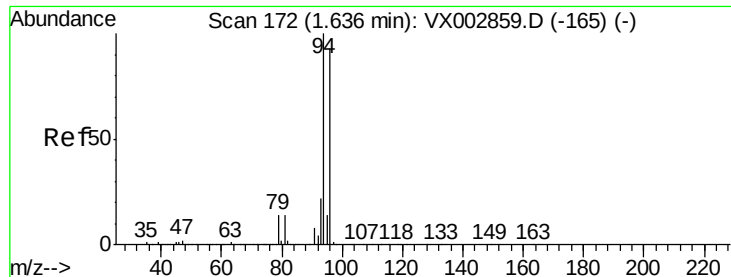
Tgt Ion: 62 Resp: 141239

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 63.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampled :

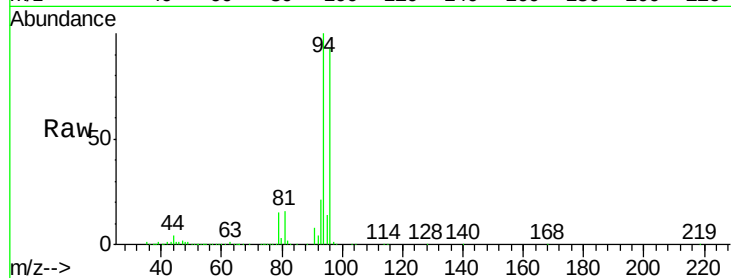
VSTDCCC050

Tot Ion: 94 Resp: 90921

Ion Ratio Lower Upper

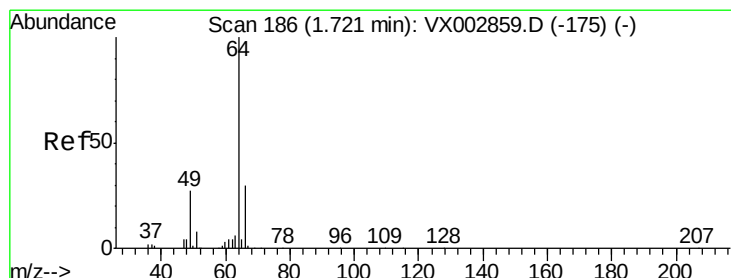
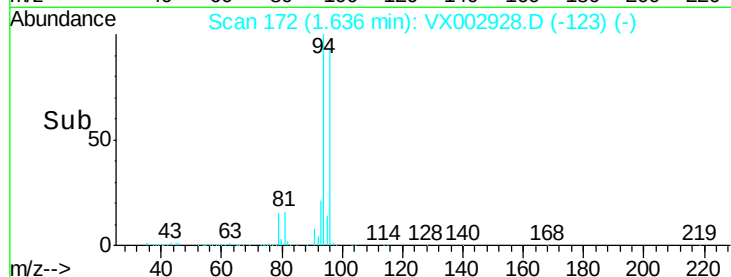
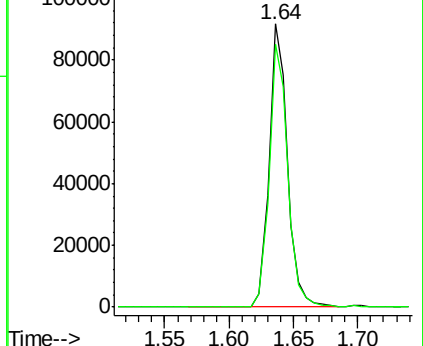
94 100

96 92.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.91 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002928.D

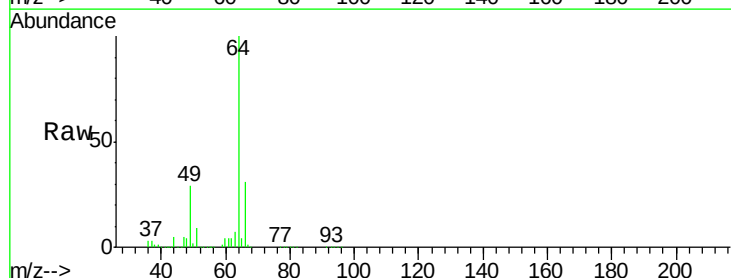
Acq: 27 Jun 2018 10:11

Tgt Ion: 64 Resp: 93209

Ion Ratio Lower Upper

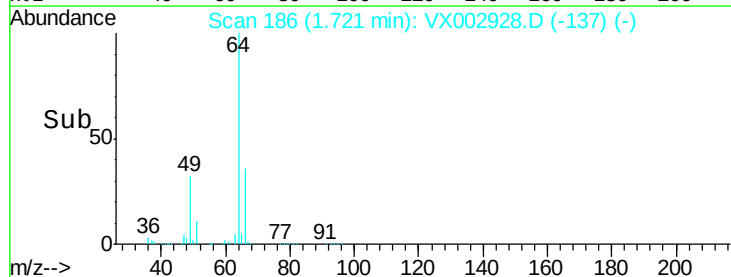
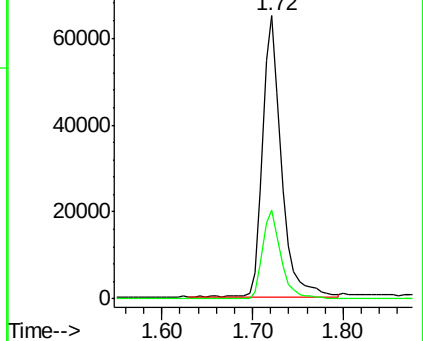
64 100

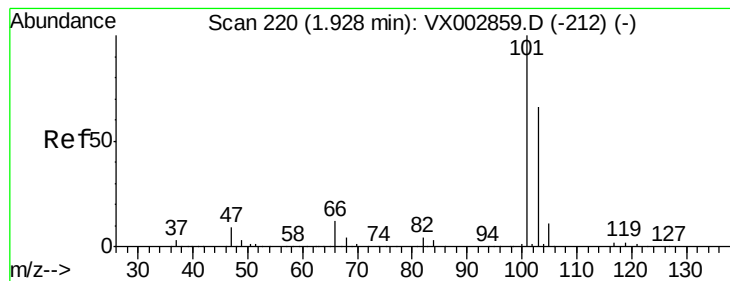
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 48.11 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

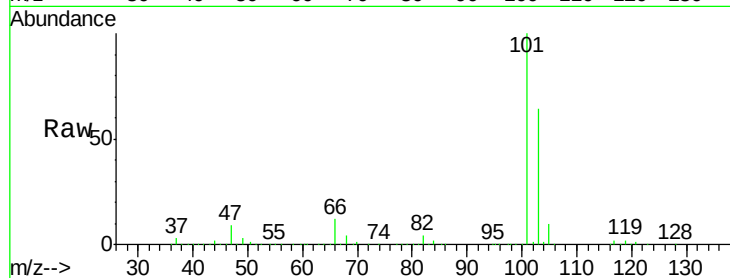
VSTDCCC050

Tot Ion:101 Resp: 253424

Ion Ratio Lower Upper

101 100

103 64.0 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

200000

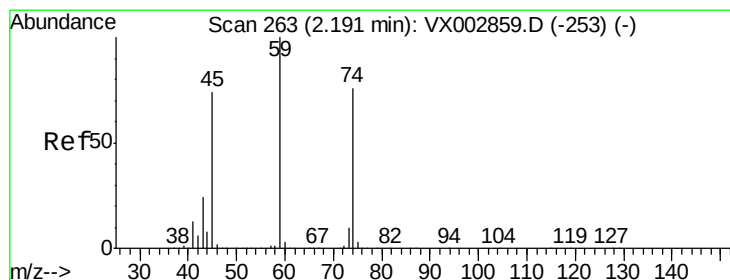
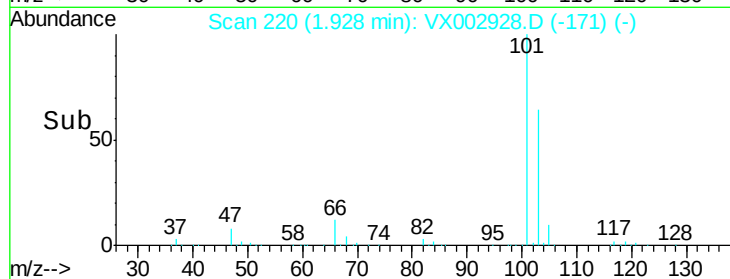
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 47.03 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002928.D

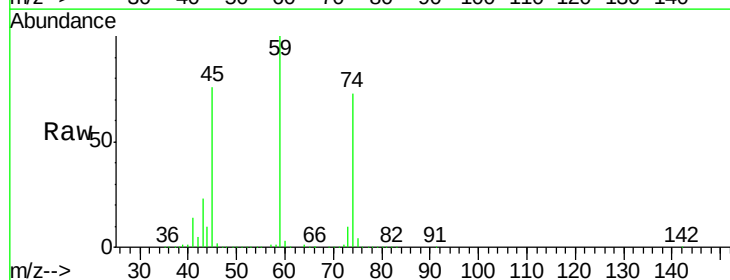
Acq: 27 Jun 2018 10:11

Tgt Ion: 74 Resp: 90073

Ion Ratio Lower Upper

74 100

45 105.0 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

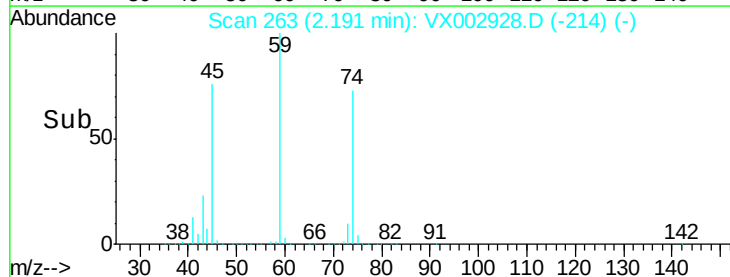
60000

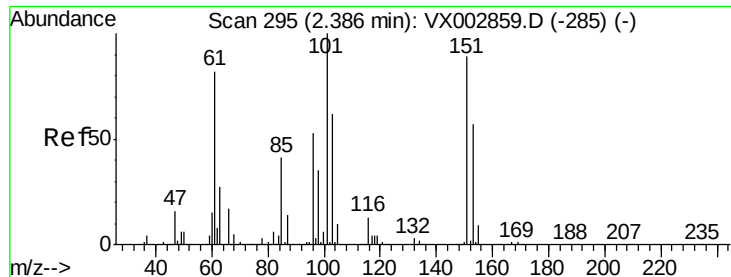
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.16 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

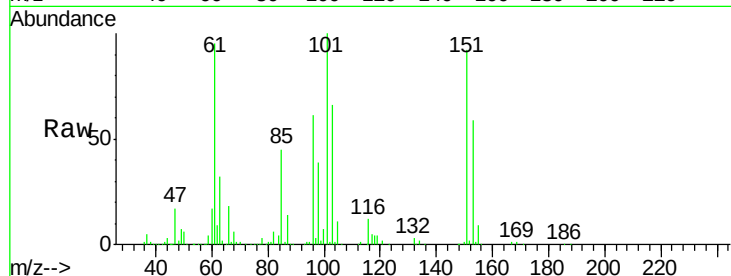
Tot Ion:101 Resp: 146998

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

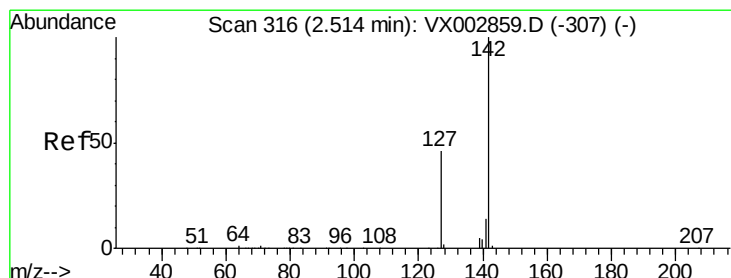
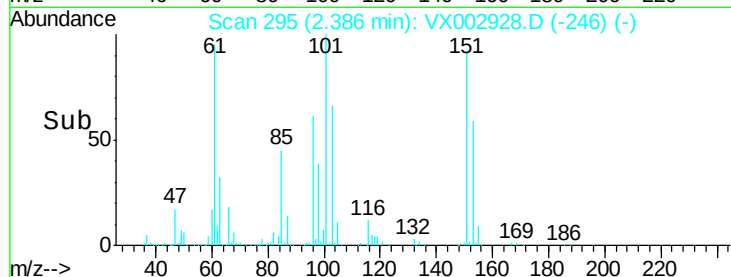
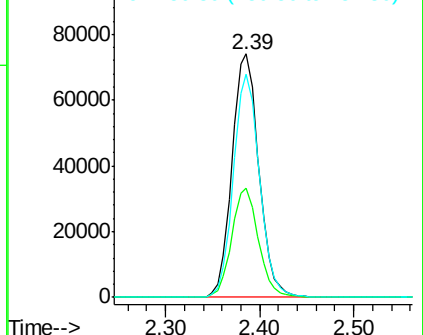
151 89.3 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.22 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

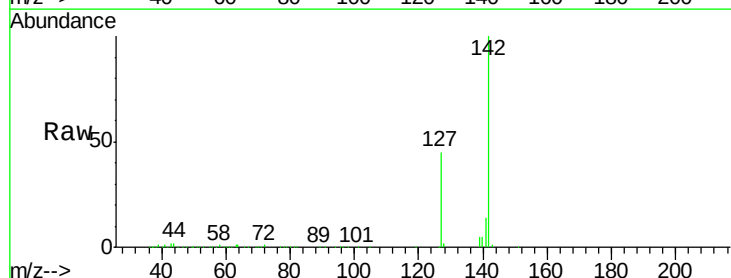
Tgt Ion:142 Resp: 148489

Ion Ratio Lower Upper

142 100

127 45.3 36.6 55.0

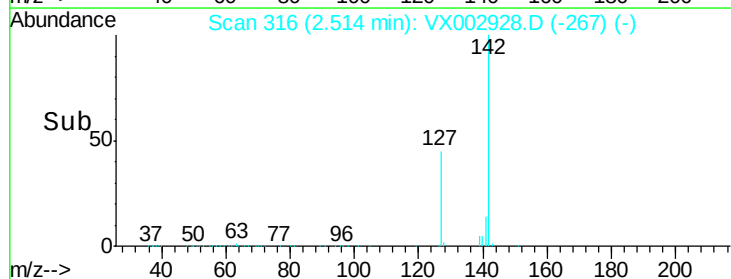
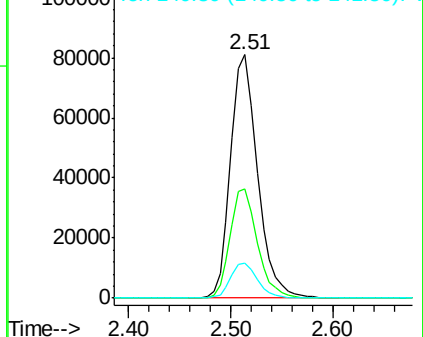
141 14.5 11.3 16.9

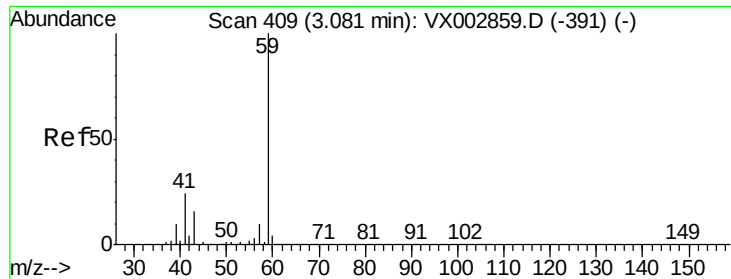


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



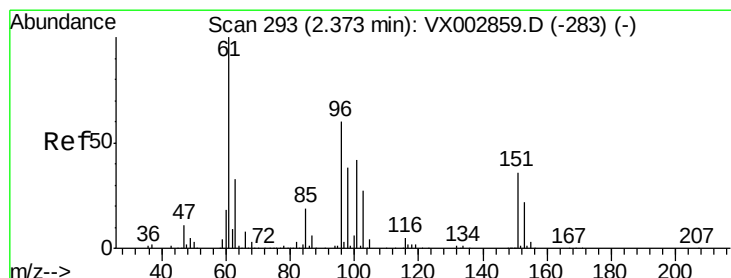
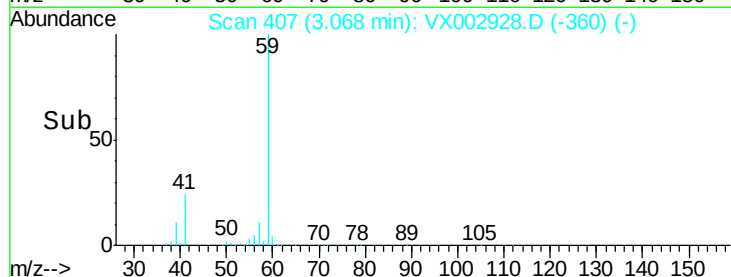
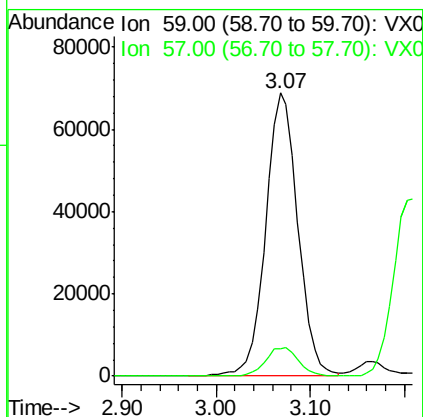
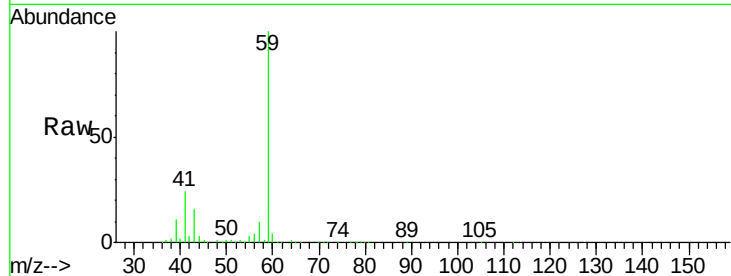


#11

Tert butyl alcohol
 Concen: 215.84 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

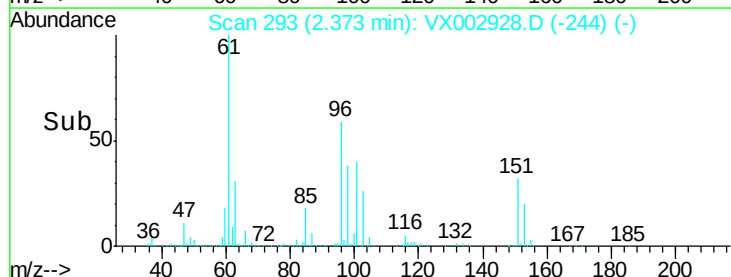
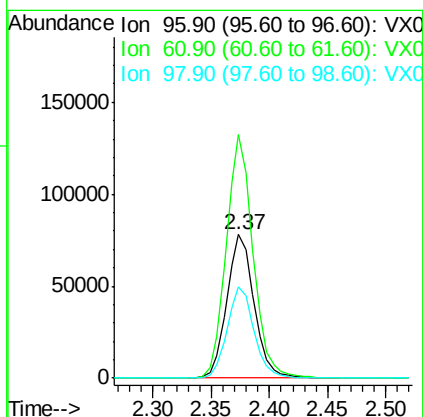
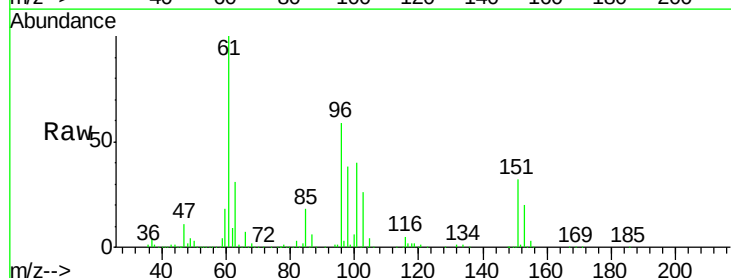
Tot Ion: 59 Resp: 164124
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

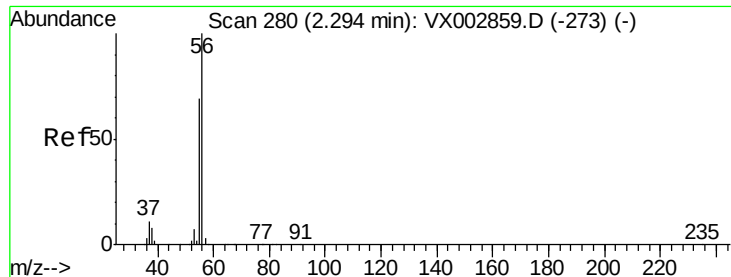


#12

1,1-Dichloroethene
 Concen: 46.57 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 96 Resp: 126832
 Ion Ratio Lower Upper
 96 100
 61 169.4 137.9 206.9
 98 63.6 51.6 77.4





#13

Acrolein

Concen: 224.69 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

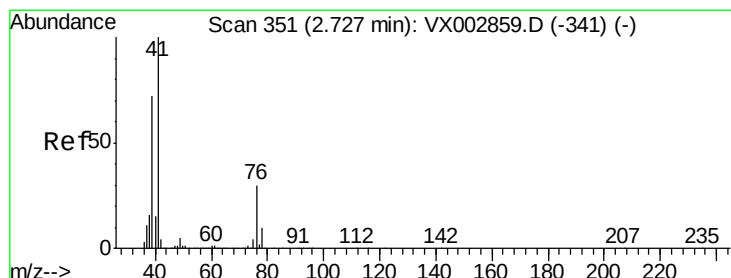
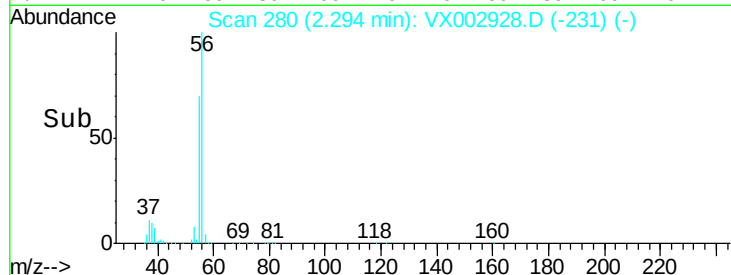
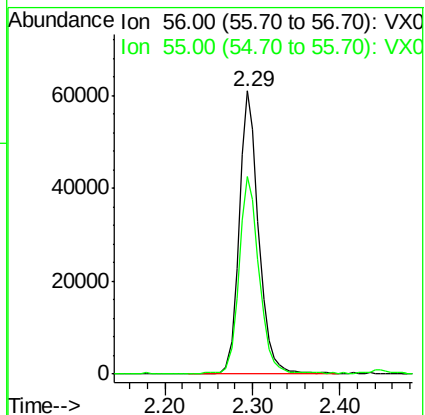
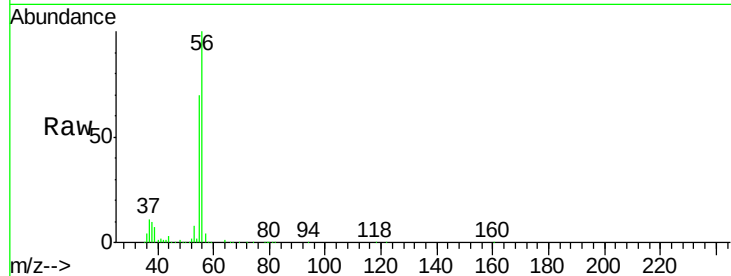
VSTDCCC050

Tot Ion: 56 Resp: 94535

Ion Ratio Lower Upper

56 100

55 72.1 57.0 85.4



#14

Allyl chloride

Concen: 47.50 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

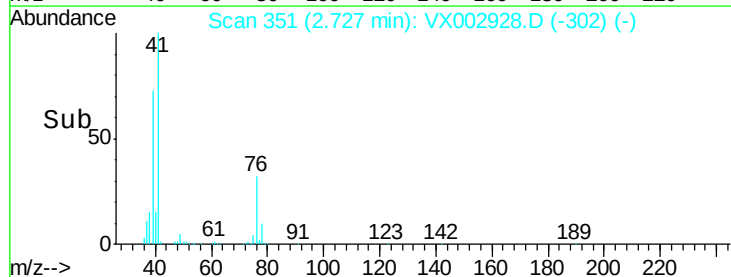
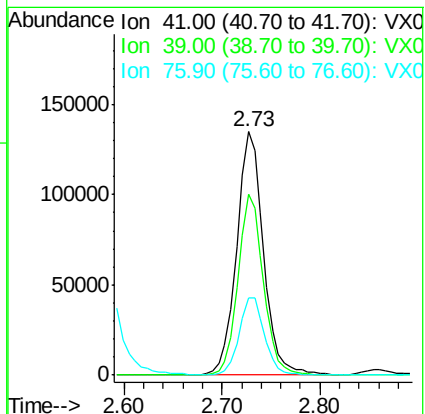
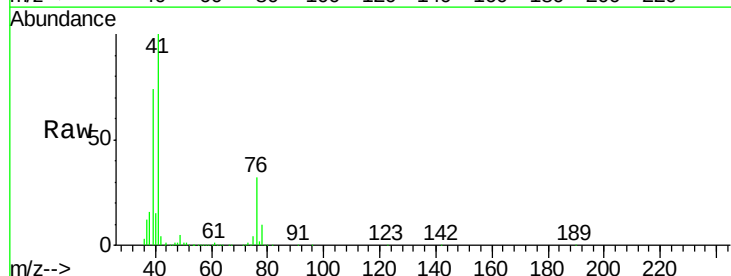
Tgt Ion: 41 Resp: 255003

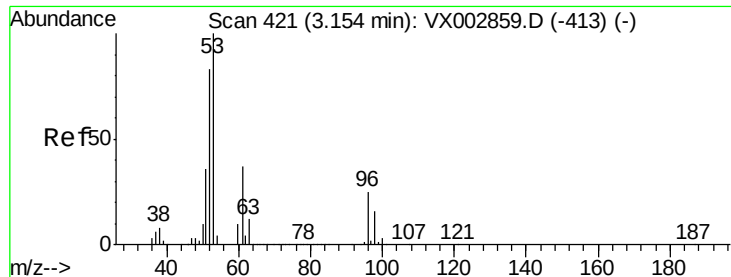
Ion Ratio Lower Upper

41 100

39 70.2 56.8 85.2

76 30.0 23.8 35.8





#15

Acrylonitrile

Concen: 230.70 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

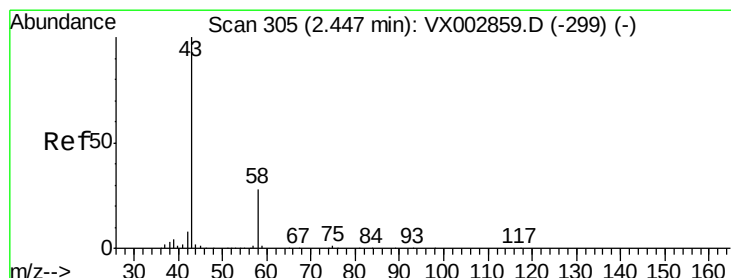
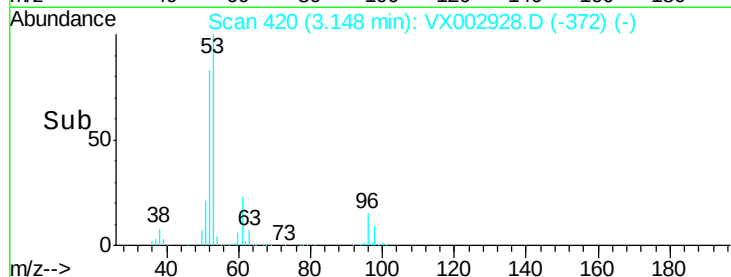
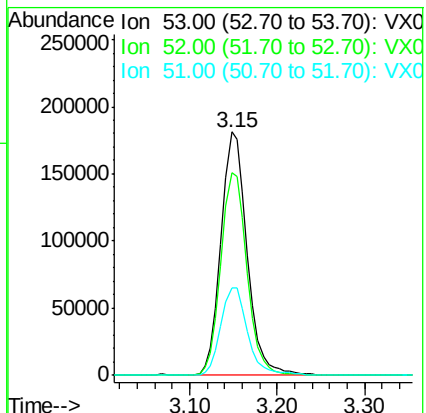
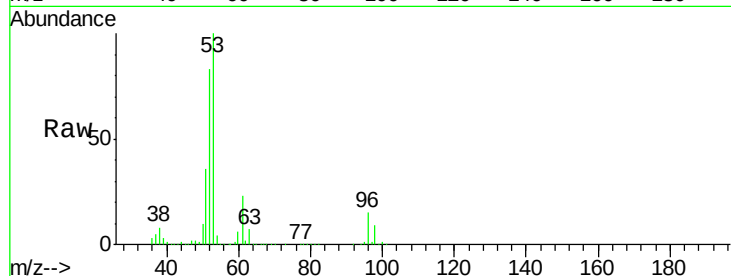
Tot Ion: 53 Resp: 374696

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 37.4 29.9 44.9



#16

Acetone

Concen: 265.30 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002928.D

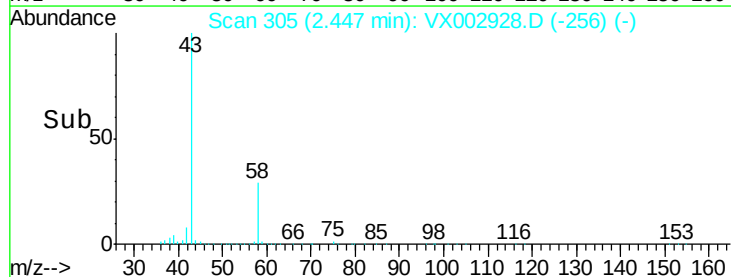
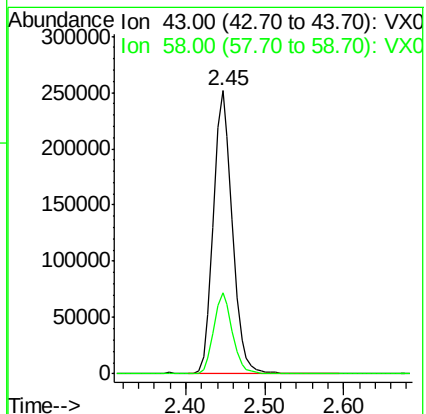
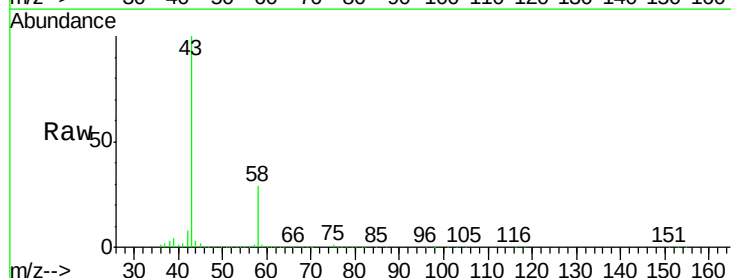
Acq: 27 Jun 2018 10:11

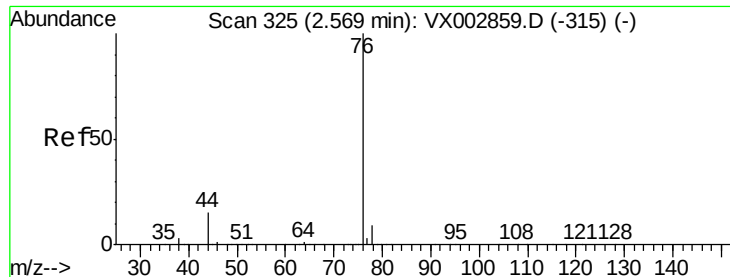
Tgt Ion: 43 Resp: 419371

Ion Ratio Lower Upper

43 100

58 28.5 22.1 33.1





#17

Carbon Disulfide

Concen: 44.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

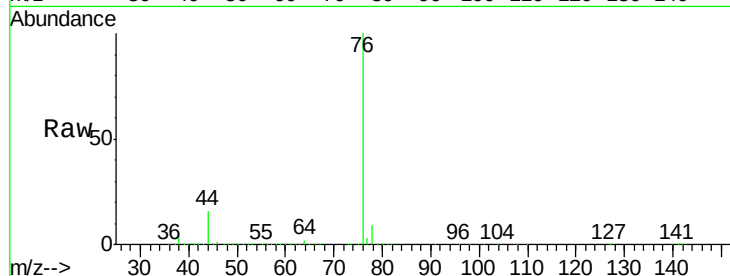
VSTDCCC050

Tot Ion: 76 Resp: 321437

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

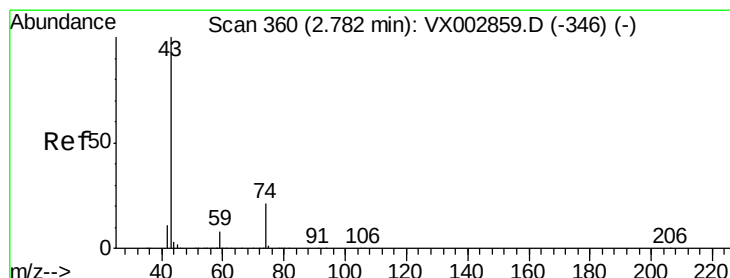
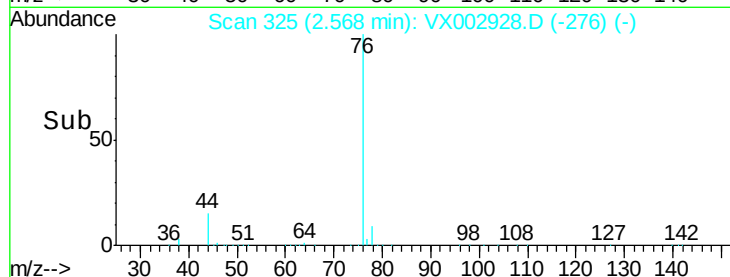
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.40 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002928.D

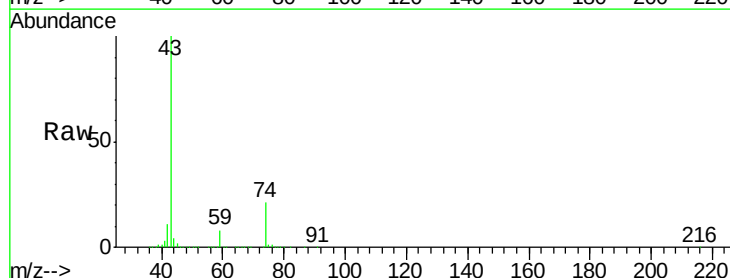
Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 222735

Ion Ratio Lower Upper

43 100

74 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

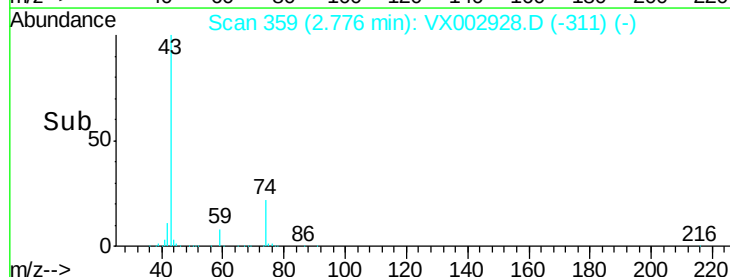
2.78

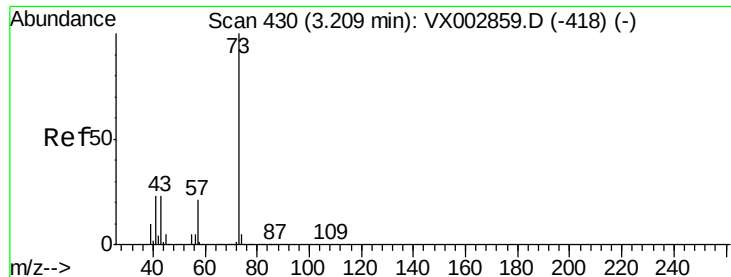
100000

50000

0

Time-->

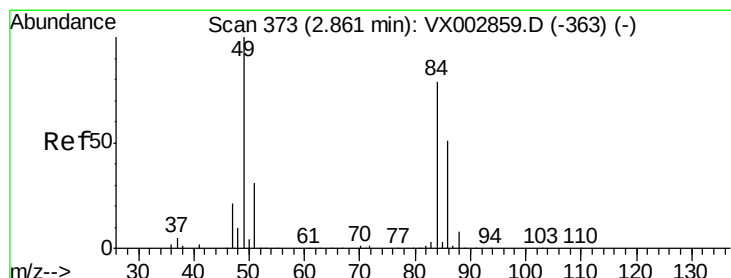
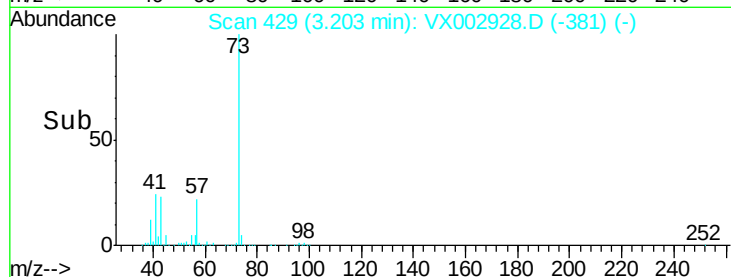
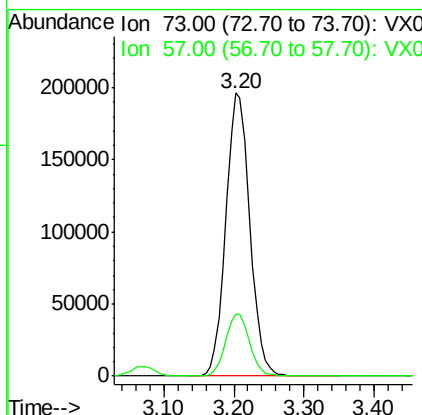
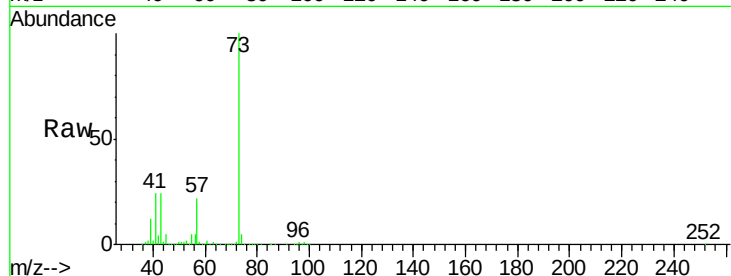




#19
Methyl tert-butyl Ether
Concen: 47.67 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

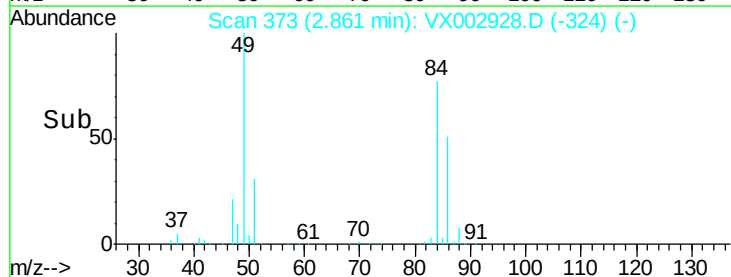
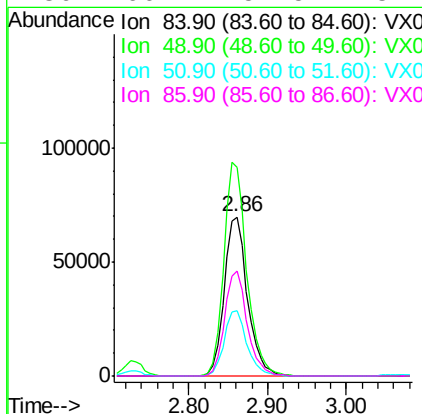
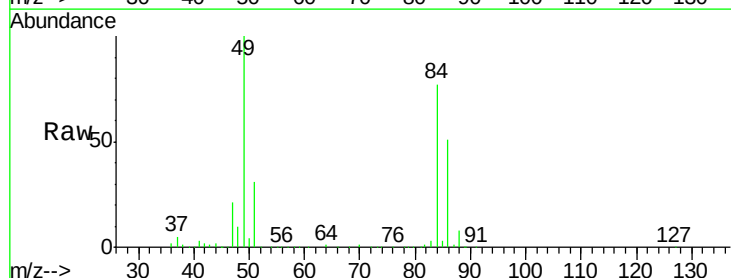
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

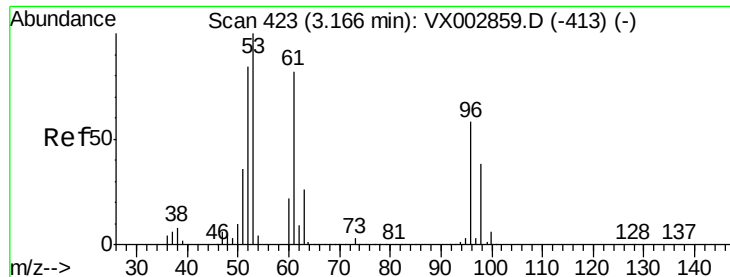
Tot Ion: 73 Resp: 466773
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 46.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 84 Resp: 142805
Ion Ratio Lower Upper
84 100
49 130.7 107.8 161.6
51 40.5 32.8 49.2
86 66.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

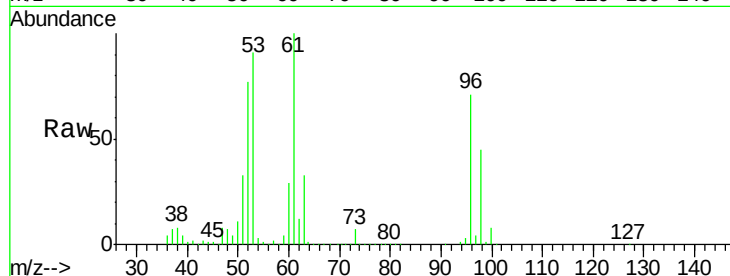
Tot Ion: 96 Resp: 135958

Ion Ratio Lower Upper

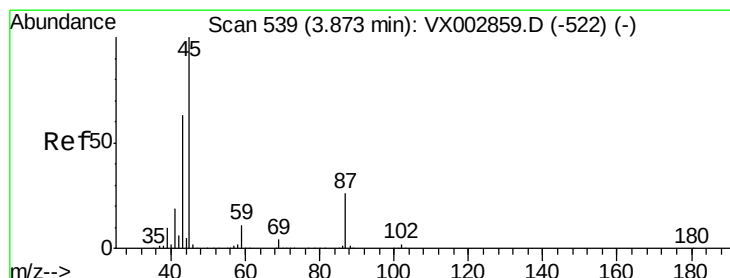
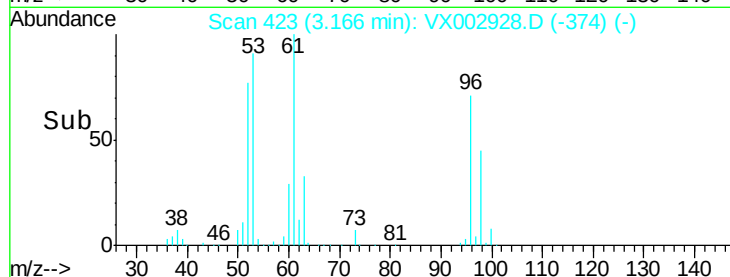
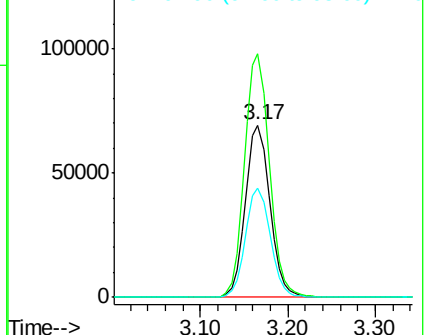
96 100

61 140.9 117.0 175.4

98 63.3 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: 48.64 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Tgt Ion: 45 Resp: 499174

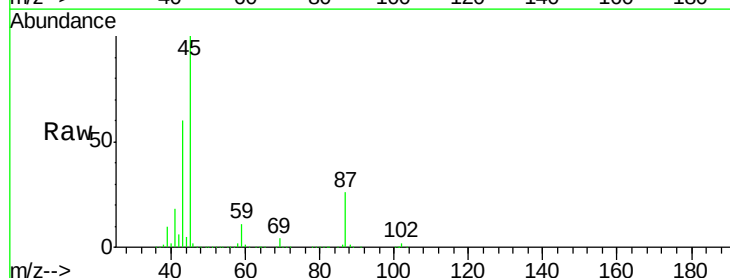
Ion Ratio Lower Upper

45 100

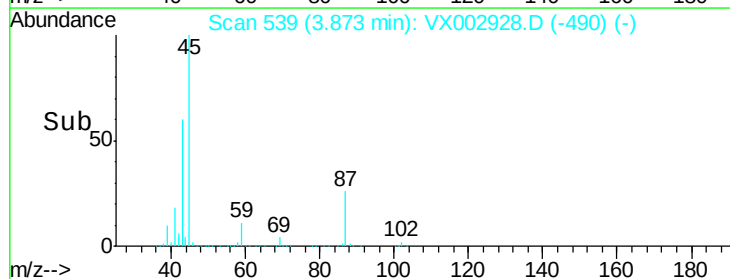
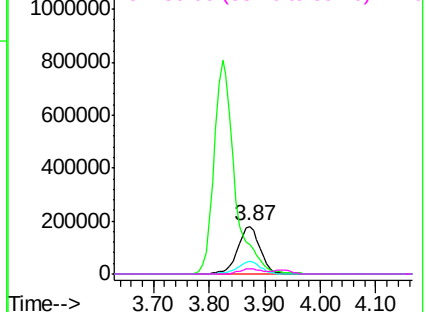
43 60.3 46.8 70.2

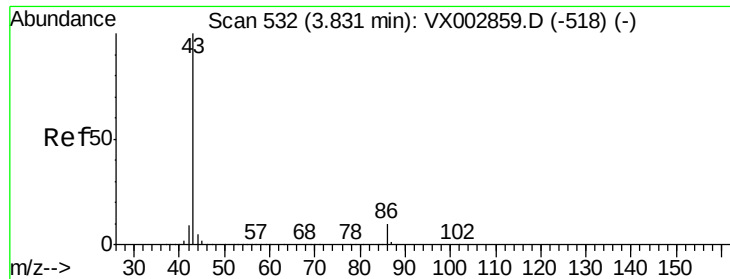
87 25.7 20.2 30.4

59 10.8 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: 240.18 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

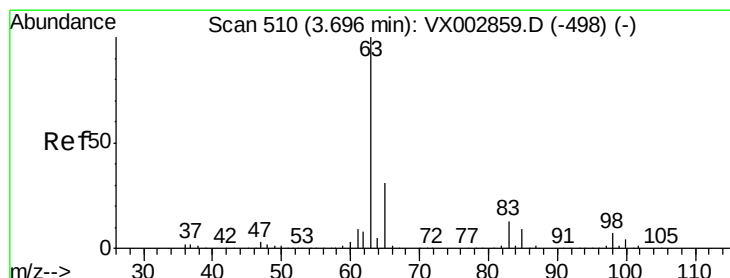
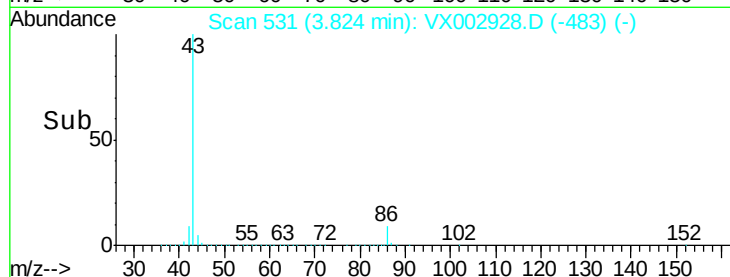
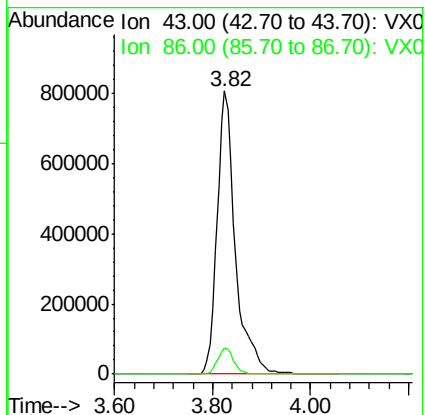
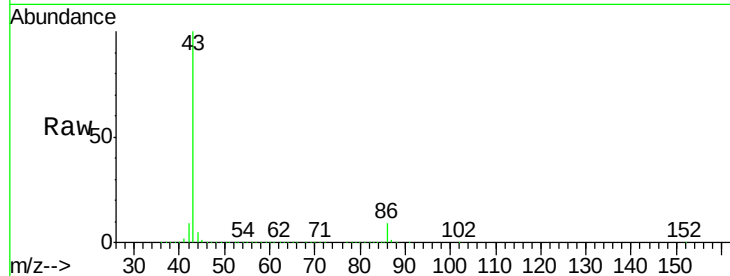
VSTDCCC050

Tot Ion: 43 Resp: 2087169

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



#24

1,1-Dichloroethane

Concen: 47.96 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

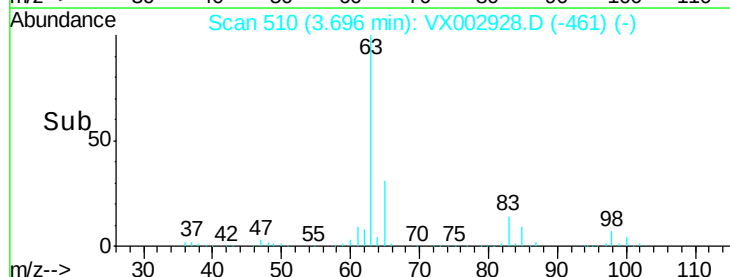
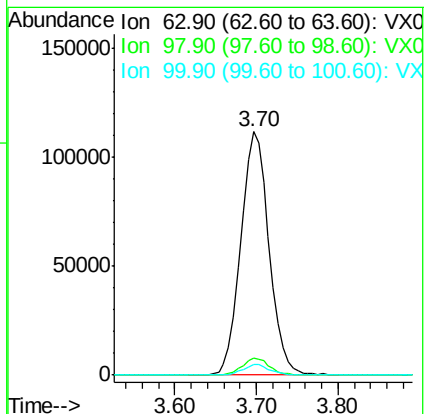
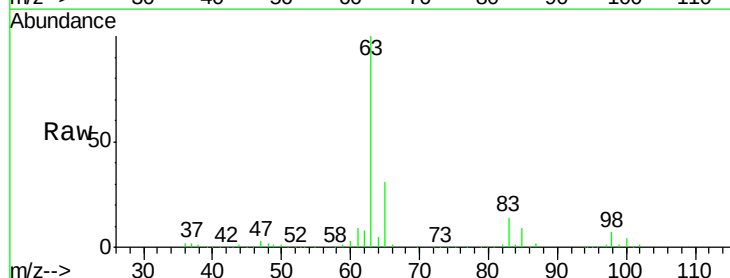
Tgt Ion: 63 Resp: 267487

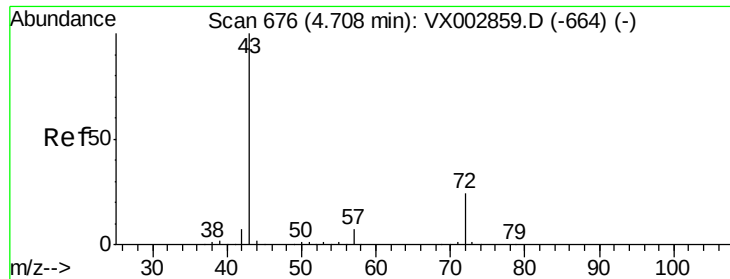
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 240.75 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

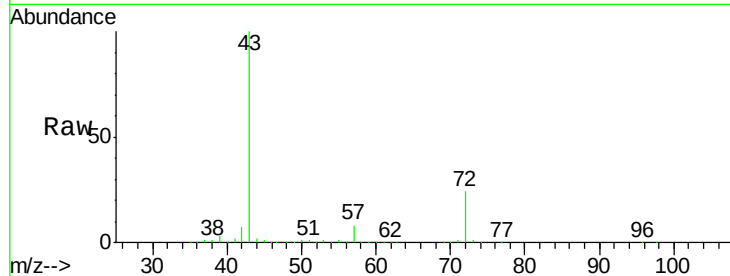
VSTDCCC050

Tot Ion: 43 Resp: 564806

Ion Ratio Lower Upper

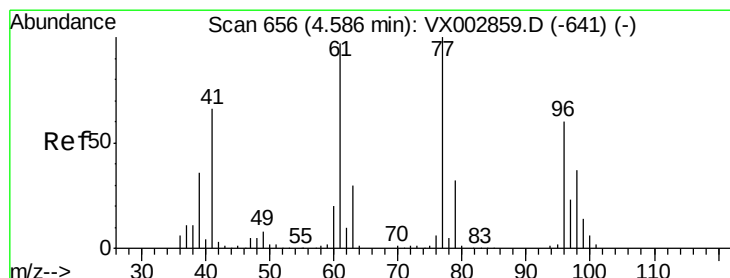
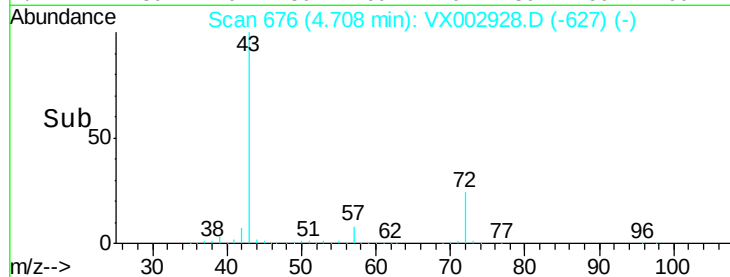
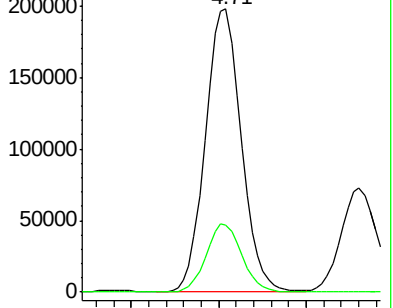
43 100

72 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.45 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002928.D

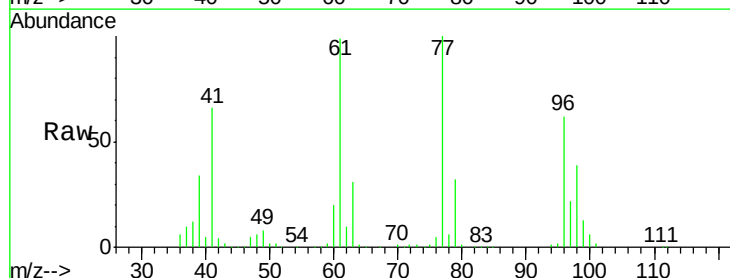
Acq: 27 Jun 2018 10:11

Tgt Ion: 77 Resp: 224286

Ion Ratio Lower Upper

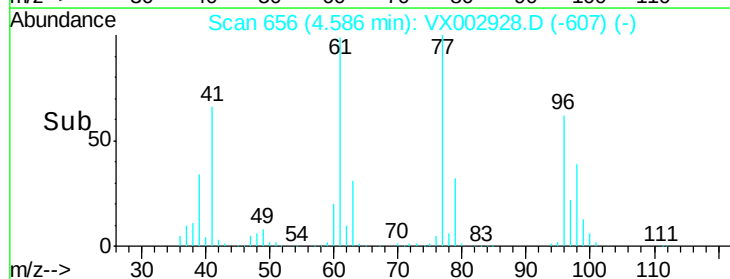
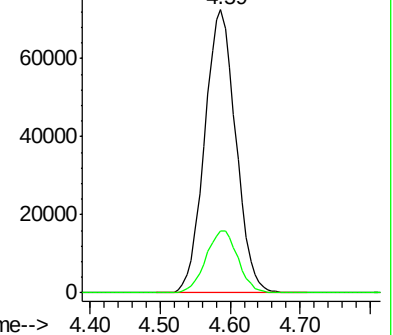
77 100

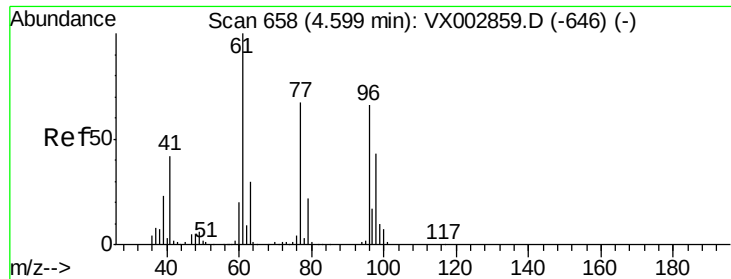
97 22.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 47.60 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

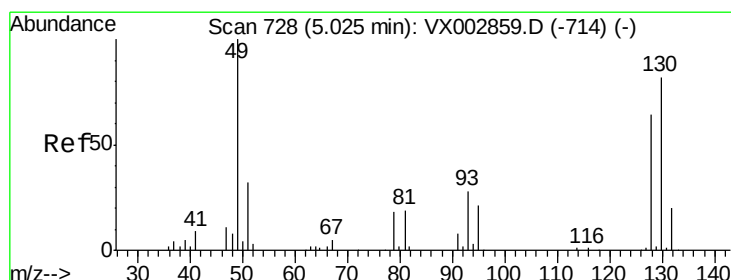
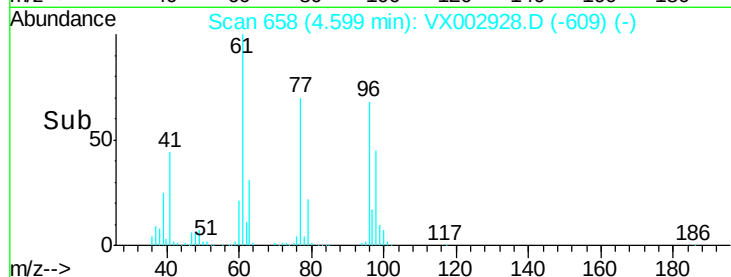
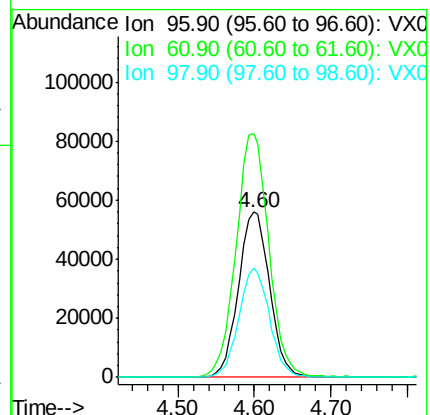
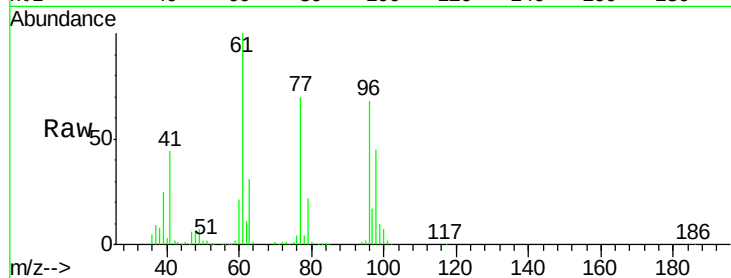
Tot Ion: 96 Resp: 158323

Ion Ratio Lower Upper

96 100

61 155.6 0.0 330.2

98 65.0 0.0 130.2



#28

Bromochloromethane

Concen: 50.68 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

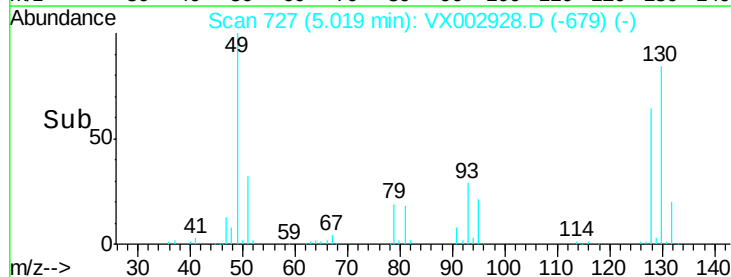
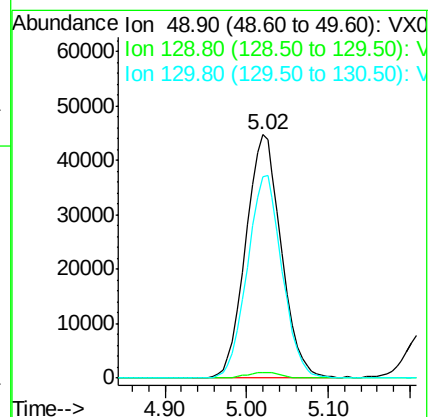
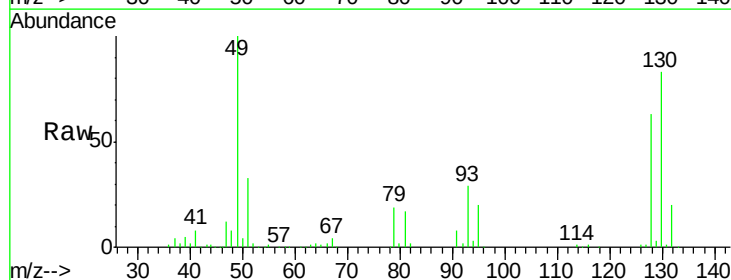
Tgt Ion: 49 Resp: 135318

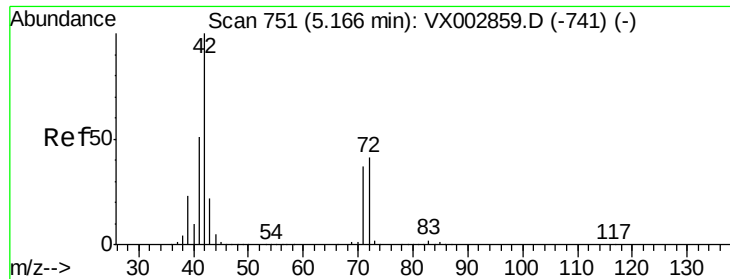
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 81.7 61.2 91.8





#29

Tetrahydrofuran

Concen: 227.88 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

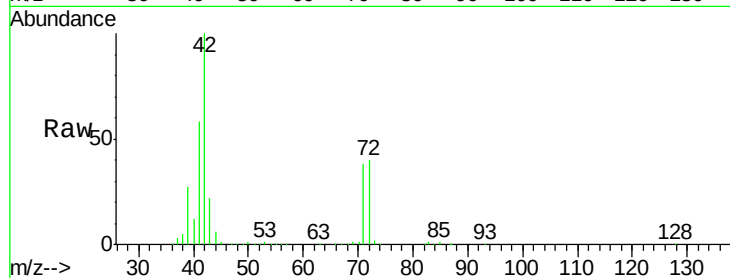
Tot Ion: 42 Resp: 342825

Ion Ratio Lower Upper

42 100

72 41.8 32.0 48.0

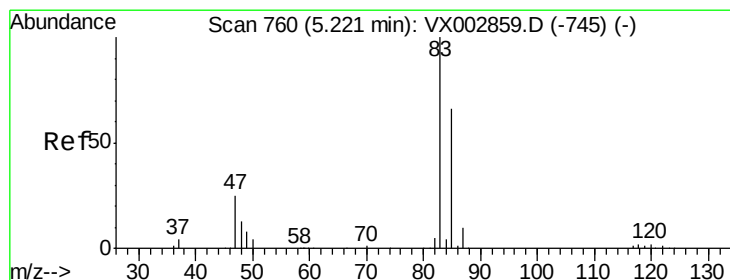
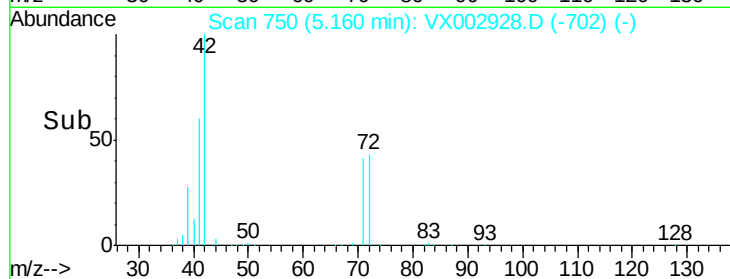
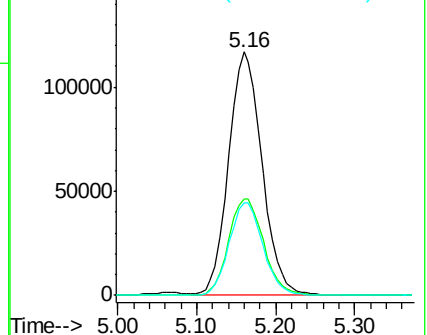
71 38.9 30.1 45.1



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: 48.94 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX002928.D

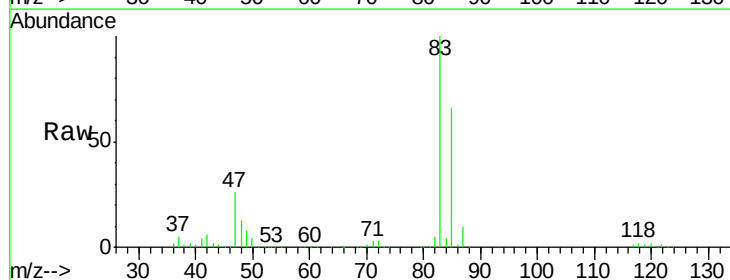
Acq: 27 Jun 2018 10:11

Tgt Ion: 83 Resp: 280124

Ion Ratio Lower Upper

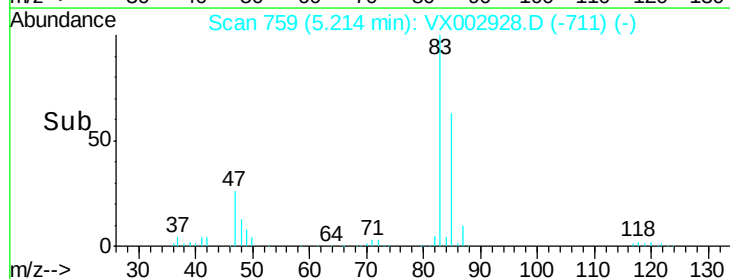
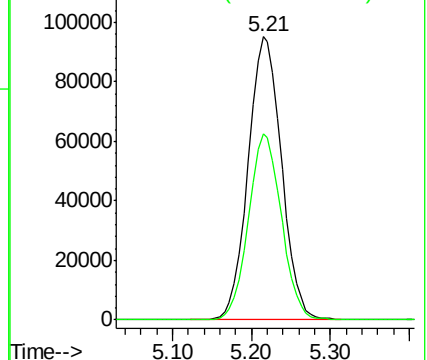
83 100

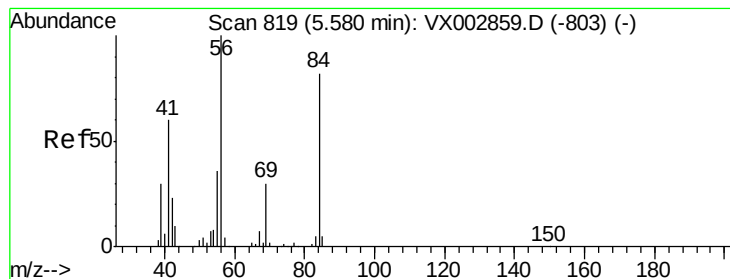
85 65.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.01 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

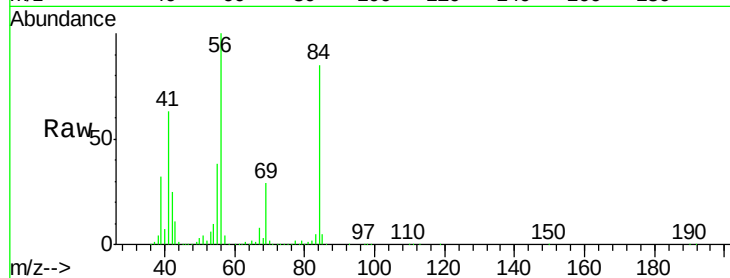
Tot Ion: 56 Resp: 229801

Ion Ratio Lower Upper

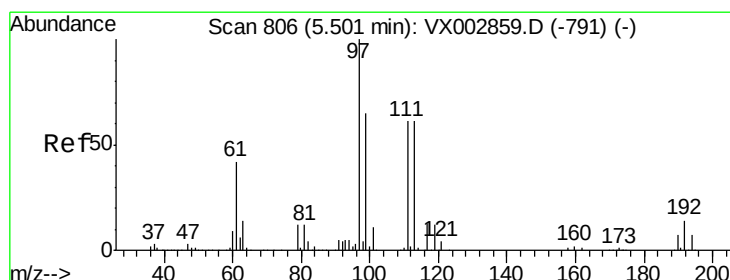
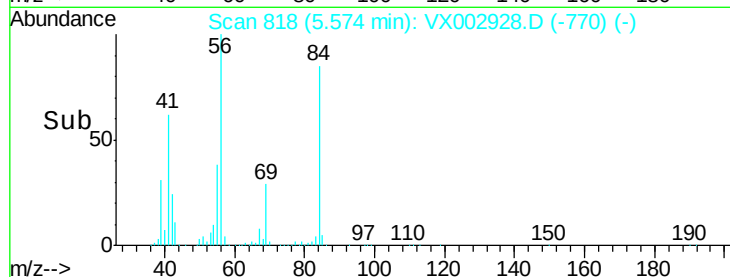
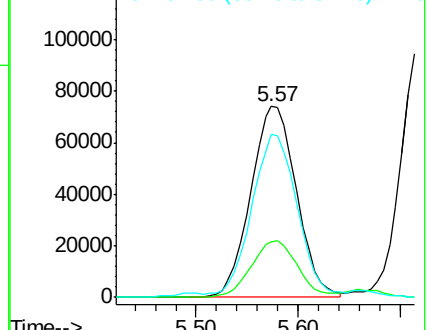
56 100

69 29.3 23.7 35.5

84 83.3 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.20 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

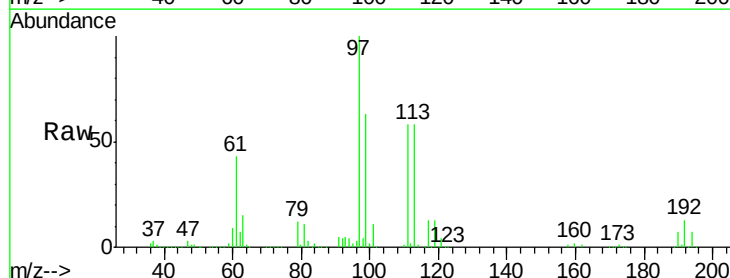
Tgt Ion: 97 Resp: 247788

Ion Ratio Lower Upper

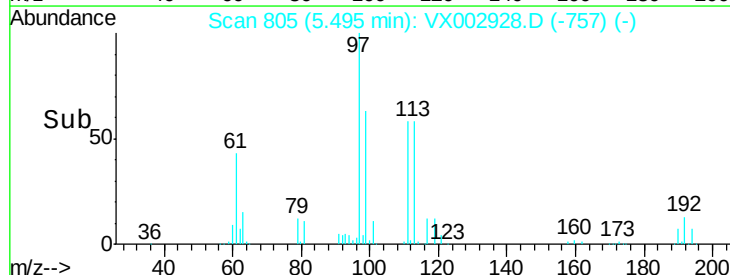
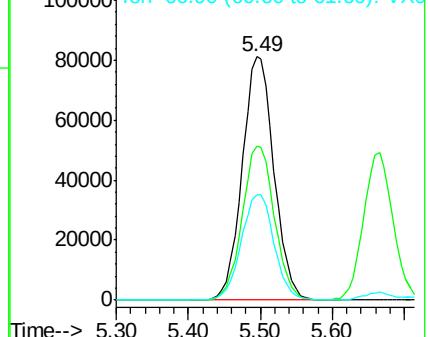
97 100

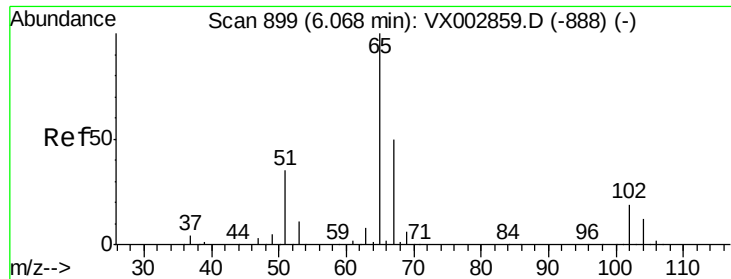
99 64.4 51.6 77.4

61 44.8 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

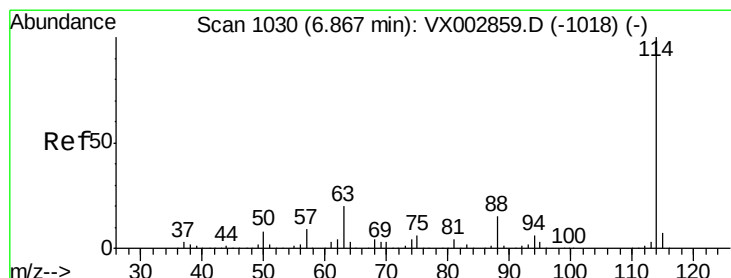
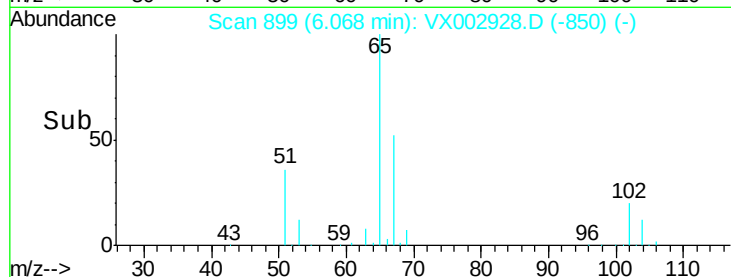
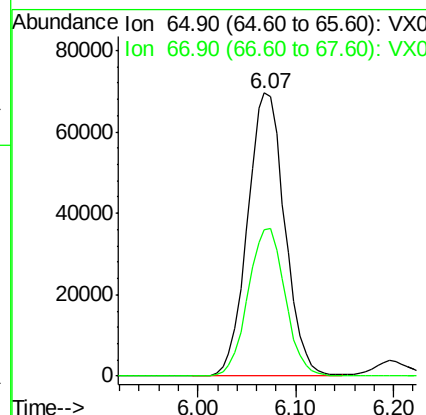
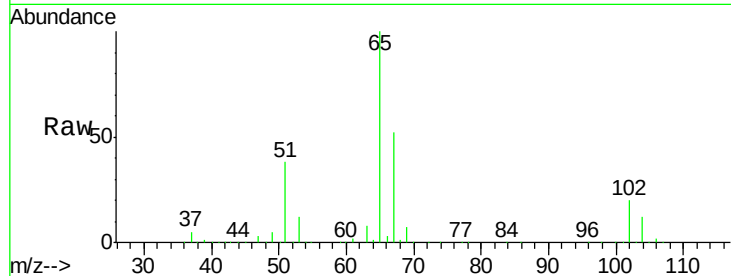




#33
 1,2-Dichloroethane-d4
 Concen: 48.35 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

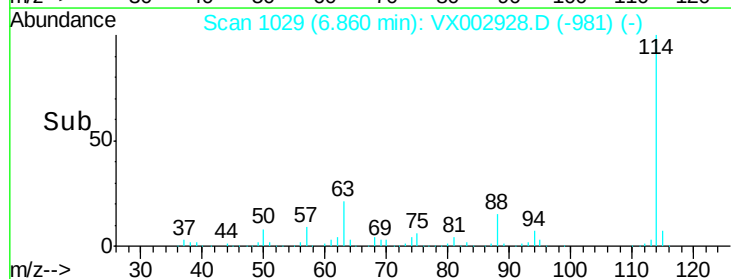
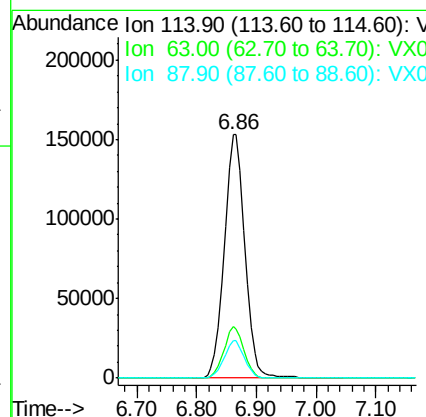
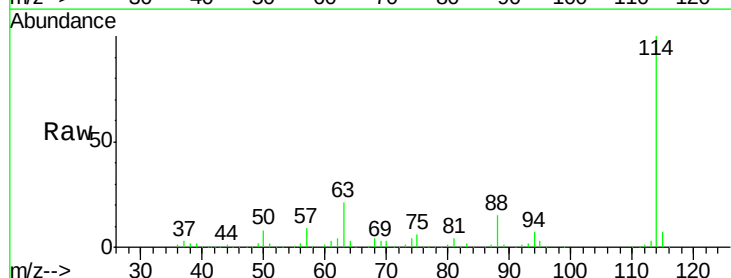
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

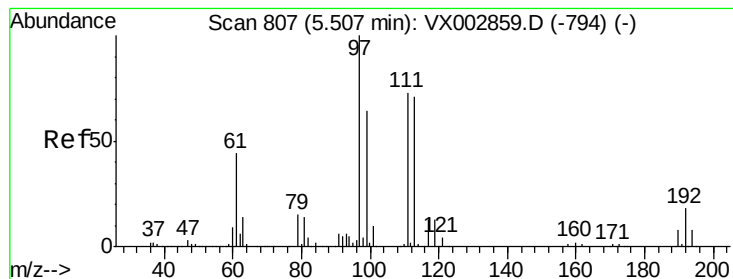
Tot Ion: 65 Resp: 184538
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 114 Resp: 367856
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.64 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

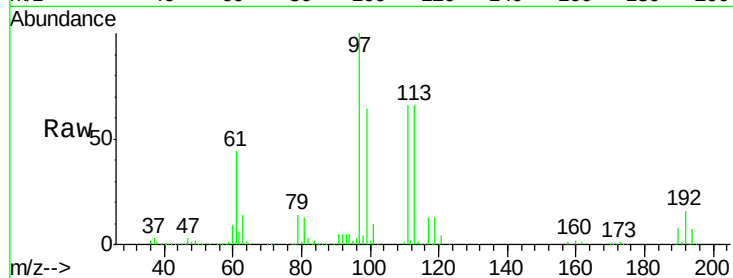
Tot Ion:113 Resp: 150419

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

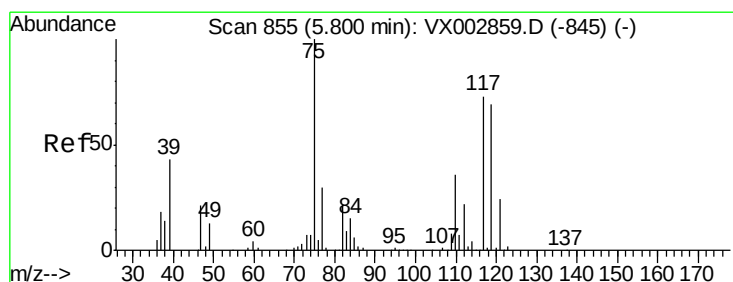
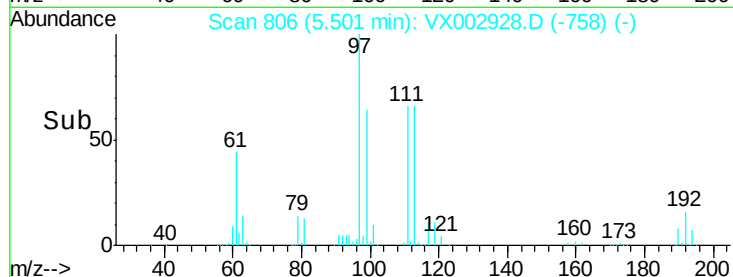
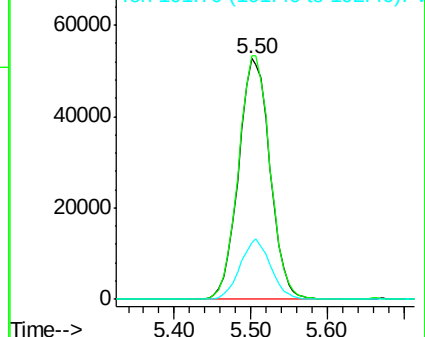
192 24.2 19.1 28.7



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: 50.25 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

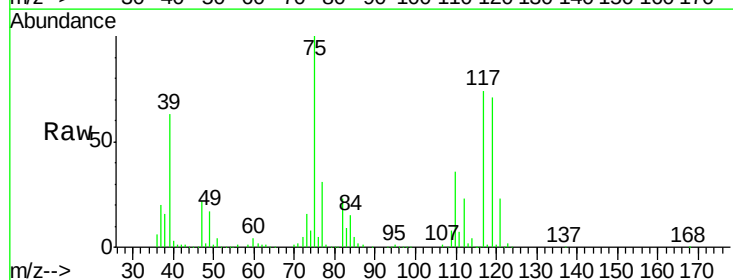
Tgt Ion: 75 Resp: 202697

Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.4

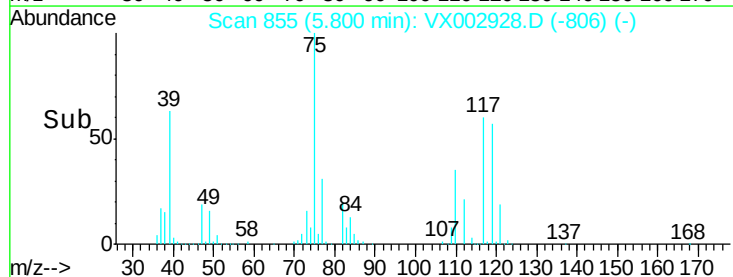
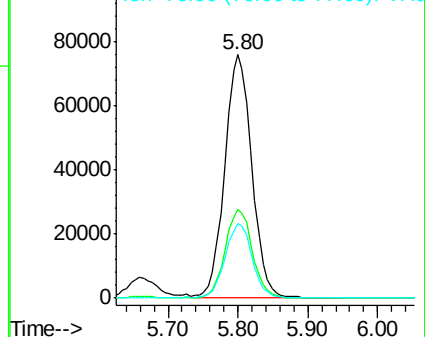
77 30.7 24.3 36.5

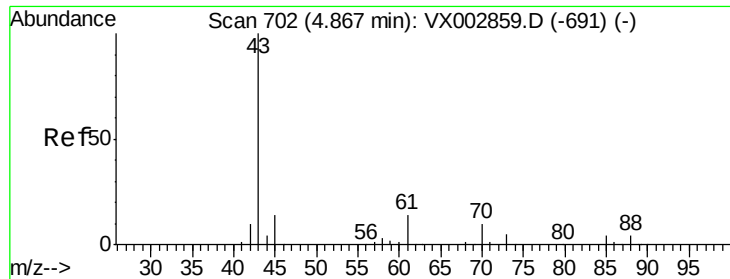


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

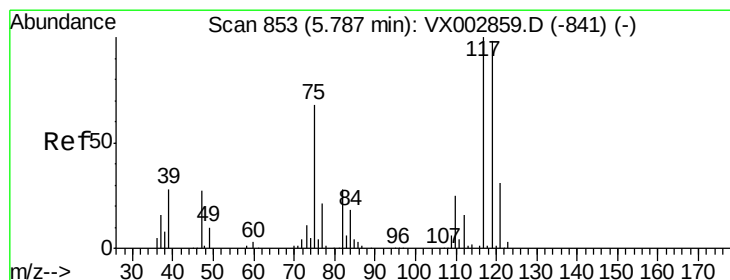
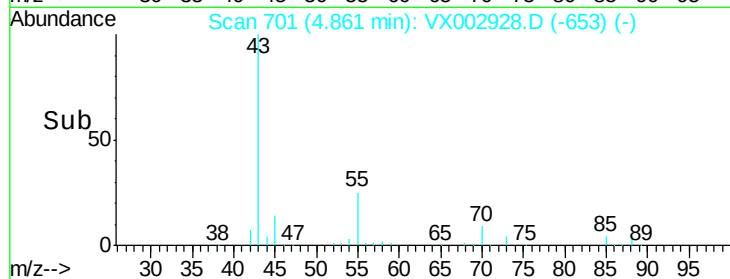
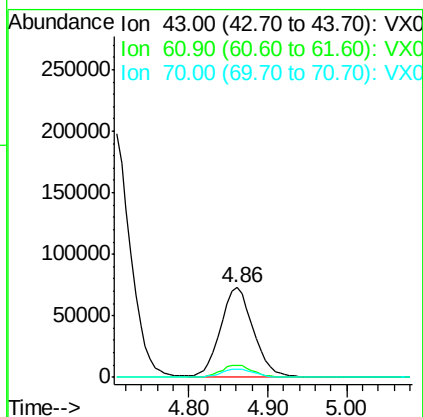
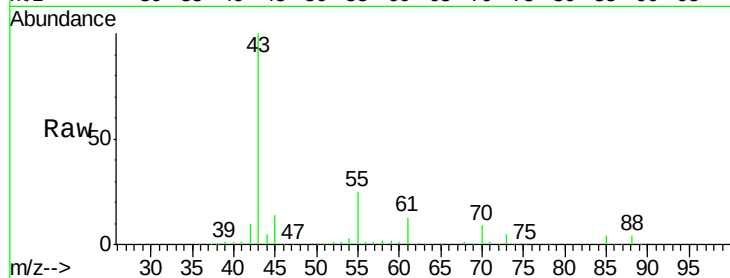




#37
Ethyl Acetate
Concen: 48.39 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

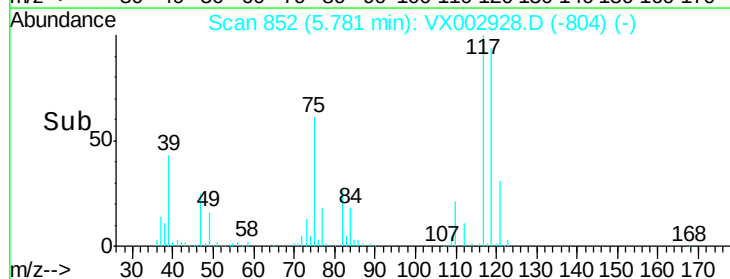
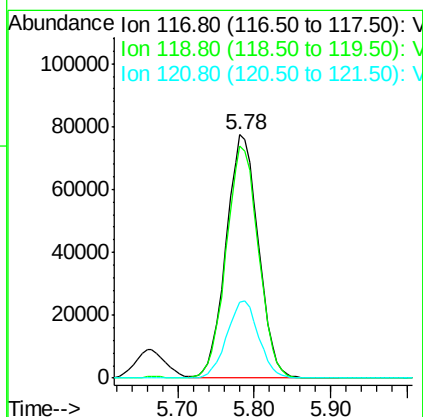
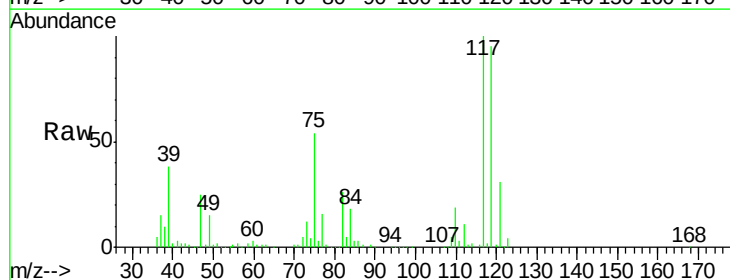
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

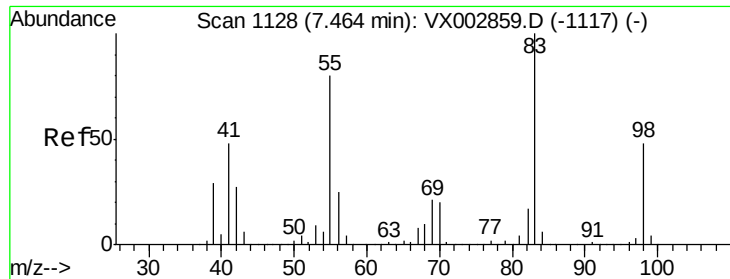
Tot Ion: 43 Resp: 210183
Ion Ratio Lower Upper
43 100
61 12.9 10.4 15.6
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.91 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 117 Resp: 225359
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.0
121 31.1 24.4 36.6

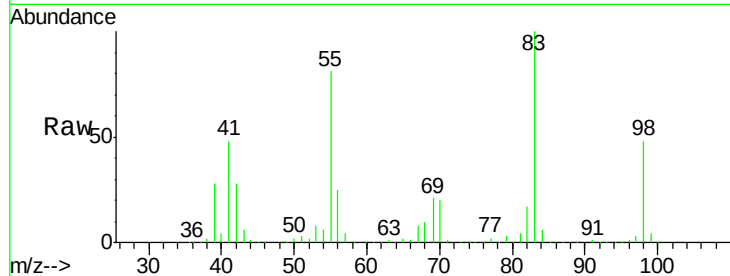




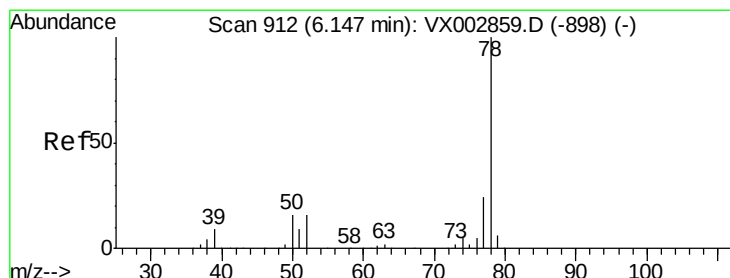
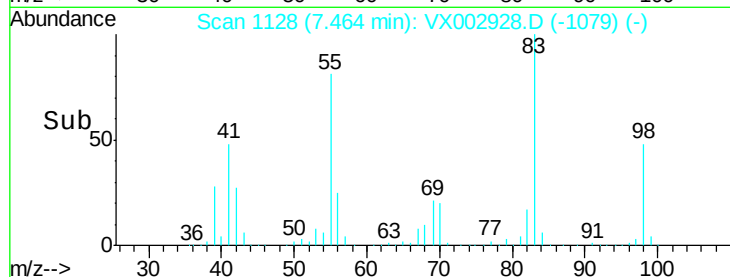
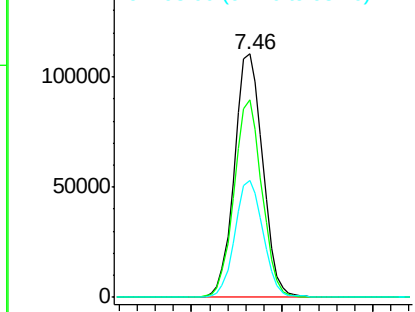
#39
Methylvlcyclohexane
Concen: 51.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 241741
Ion Ratio Lower Upper
83 100
55 80.9 65.4 98.0
98 47.9 37.4 56.0

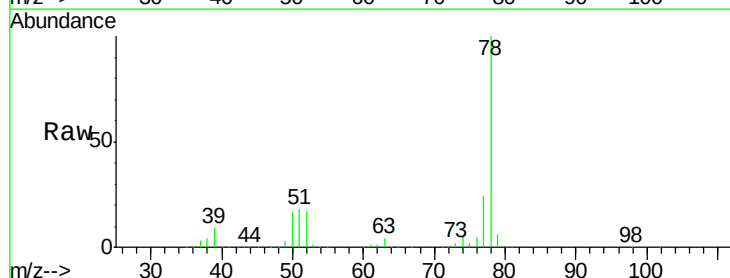


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

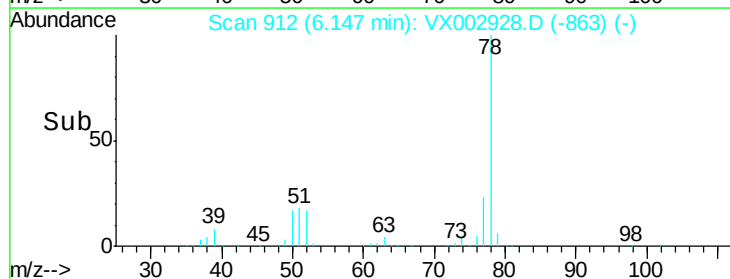
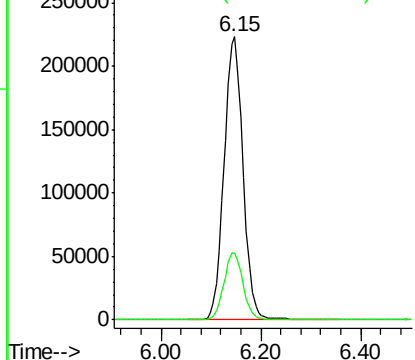


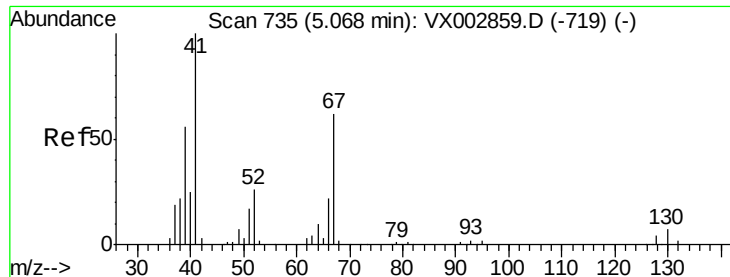
#40
Benzene
Concen: 50.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 78 Resp: 588469
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



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





#41

Methacrylonitrile

Concen: 49.16 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 122965

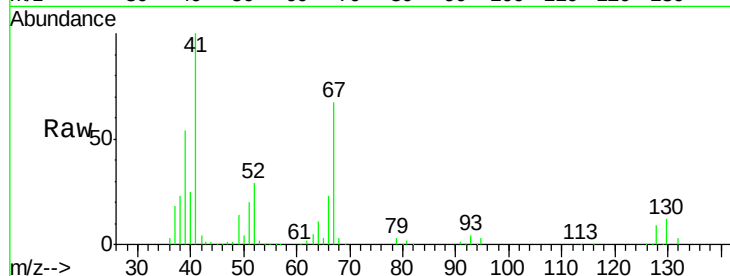
Ion Ratio Lower Upper

41 100

39 56.4 45.8 68.6

67 65.8 51.3 76.9

52 29.5 23.0 34.6

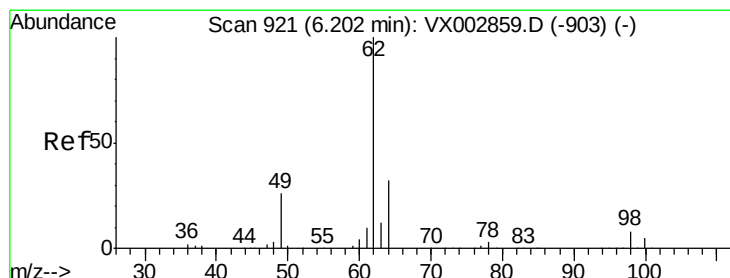
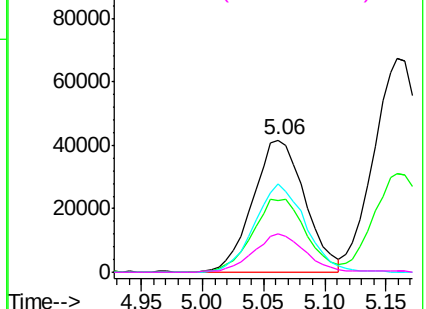
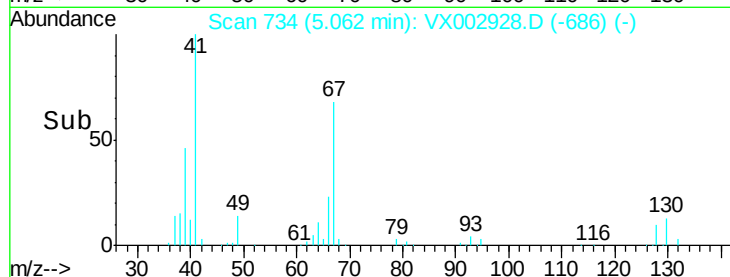


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 49.14 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.01 min

Lab File: VX002928.D

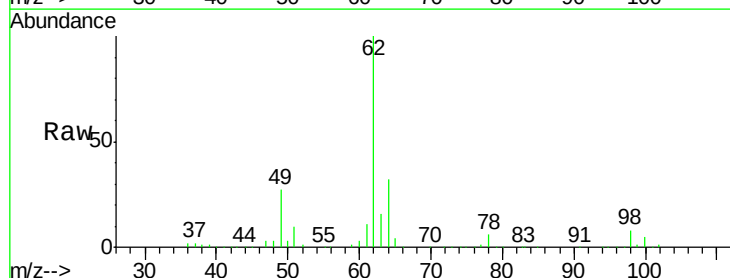
Acq: 27 Jun 2018 10:11

Tgt Ion: 62 Resp: 232660

Ion Ratio Lower Upper

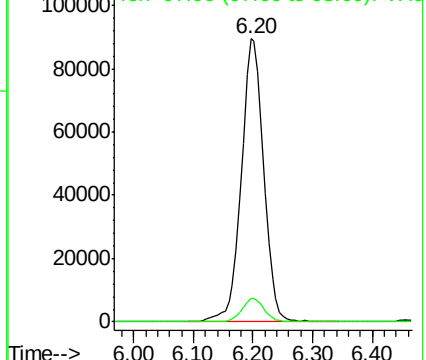
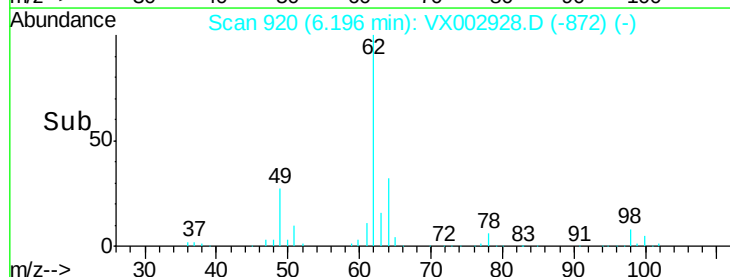
62 100

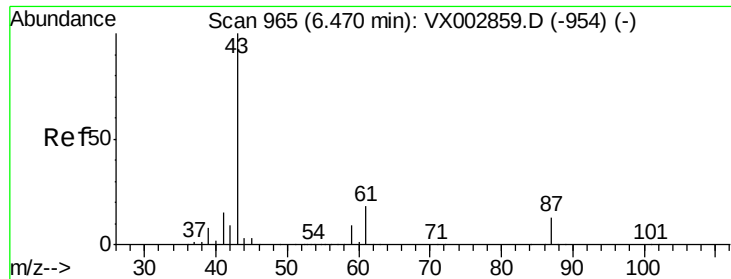
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



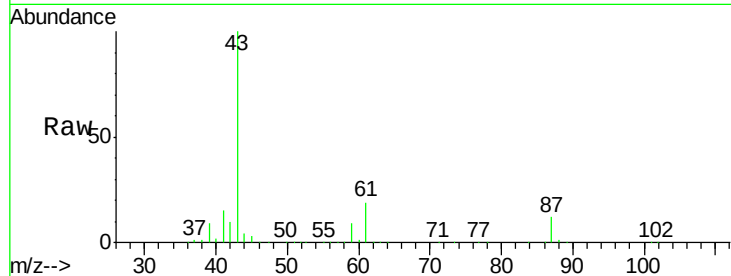


#43

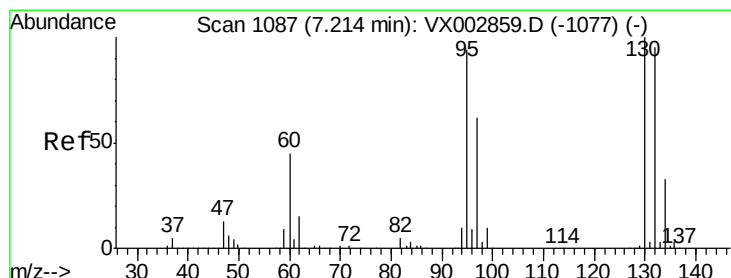
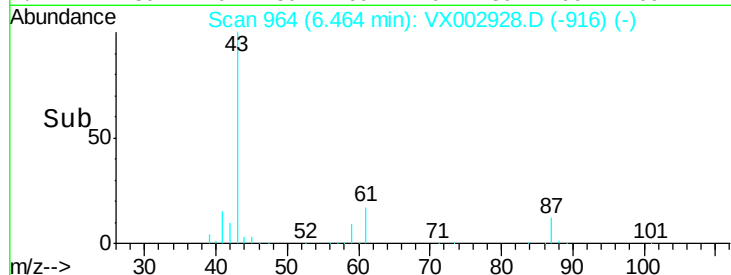
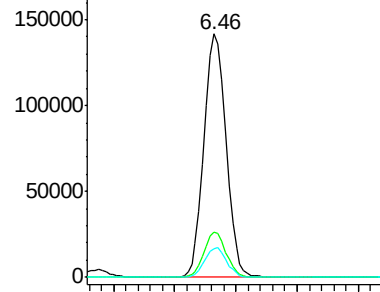
Isopropyl Acetate
 Concen: 48.36 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 352257
 Ion Ratio Lower Upper
 43 100
 61 18.5 14.4 21.6
 87 12.2 9.5 14.3



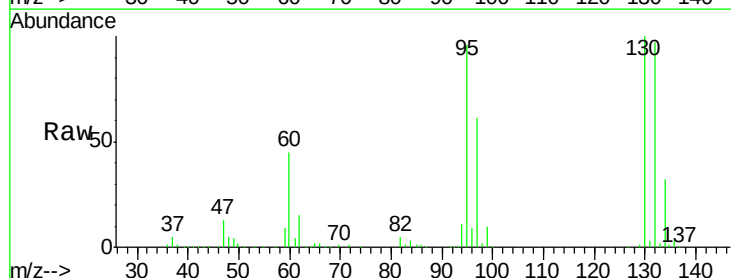
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



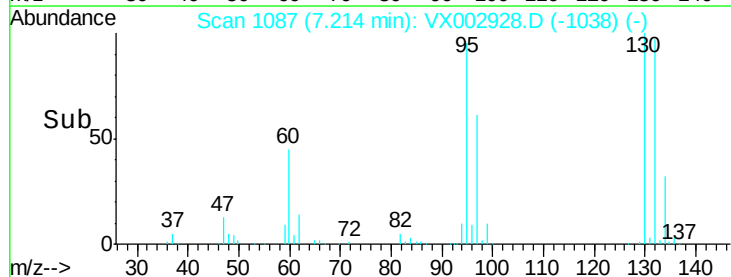
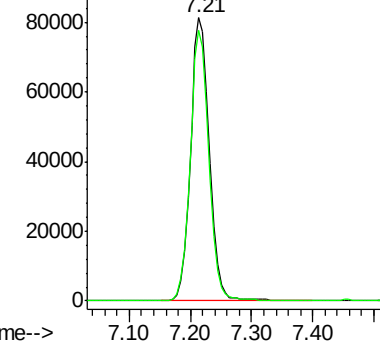
#44

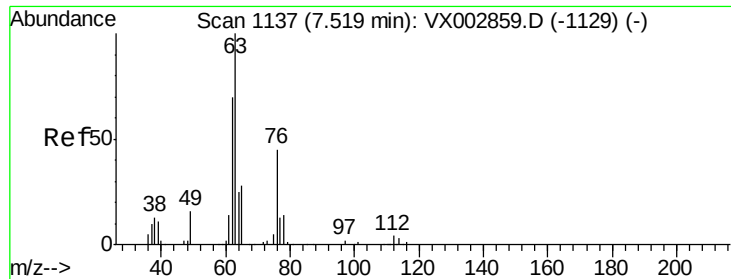
Trichloroethene
 Concen: 50.18 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:130 Resp: 175372
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

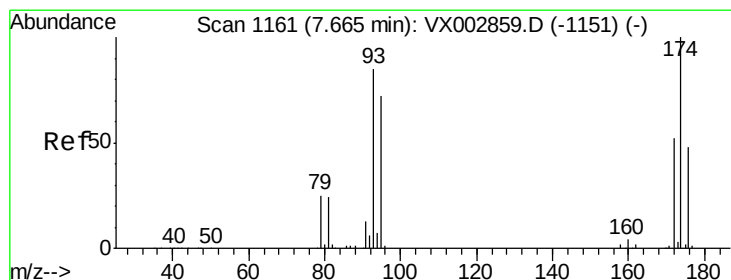
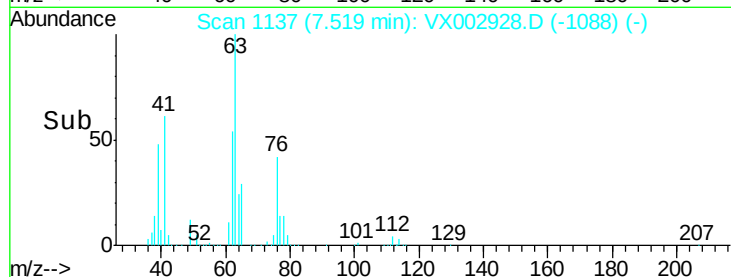
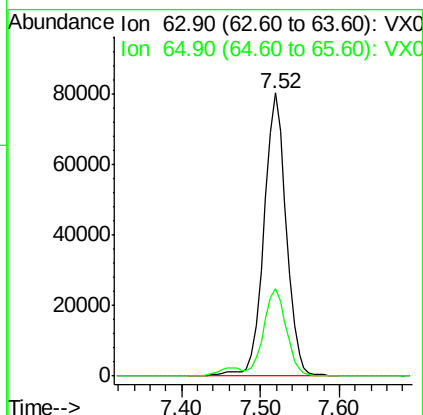
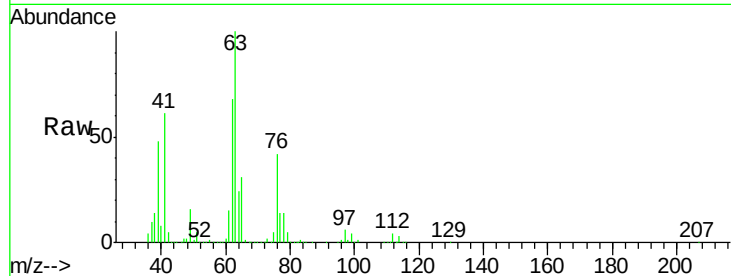




#45
 1,2-Dichloropropane
 Concen: 50.82 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

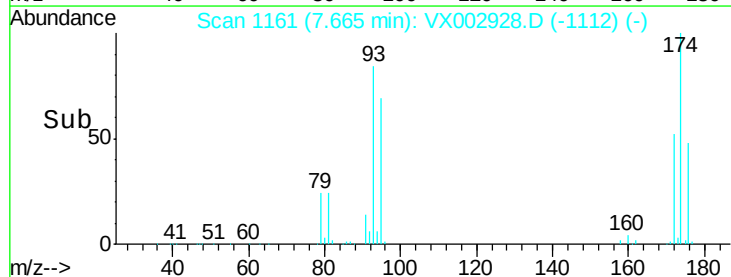
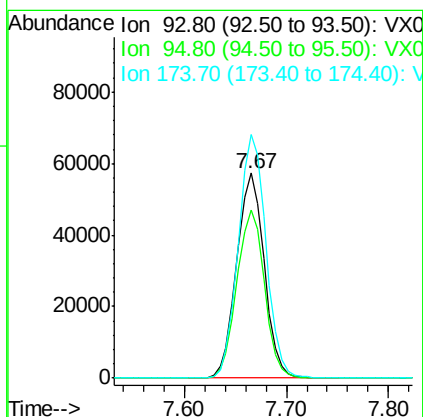
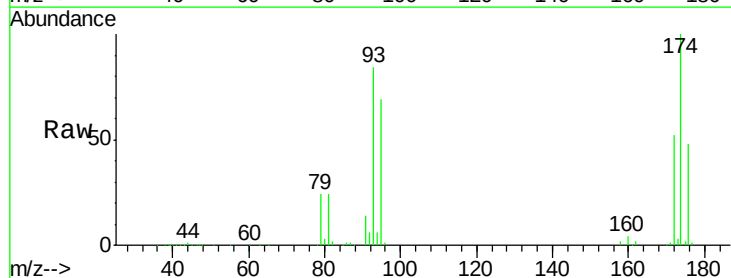
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

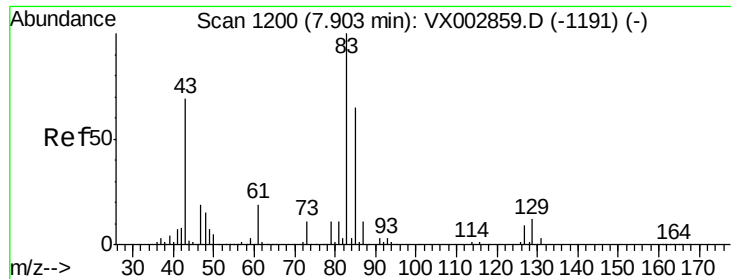
Tot Ion: 63 Resp: 158015
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 49.75 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 93 Resp: 107337
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 119.5 92.4 138.6





#47

Bromodichloromethane

Concen: 52.39 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

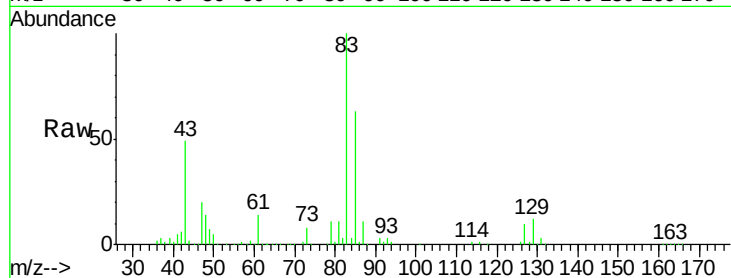
Tot Ion: 83 Resp: 208995

Ion Ratio Lower Upper

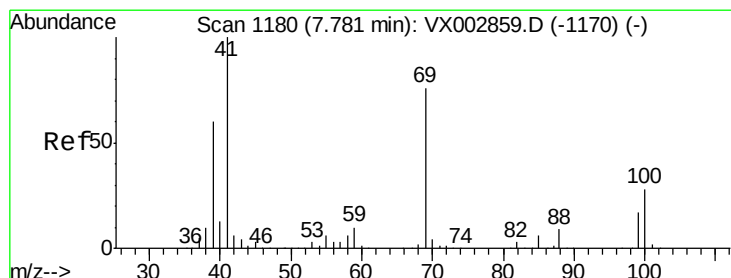
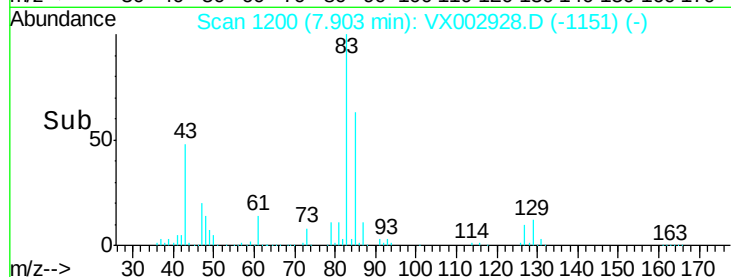
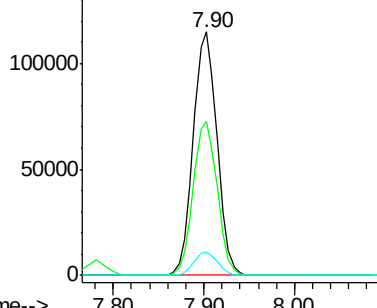
83 100

85 63.5 50.3 75.5

127 9.5 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: 50.46 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

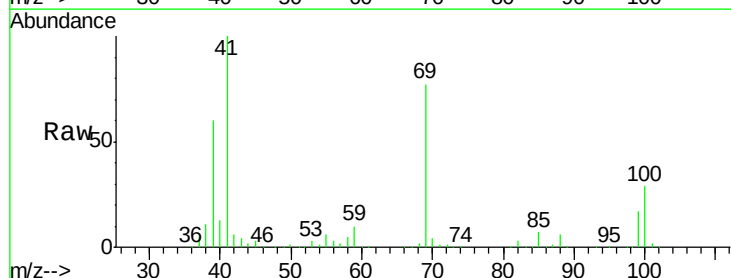
Tgt Ion: 41 Resp: 189403

Ion Ratio Lower Upper

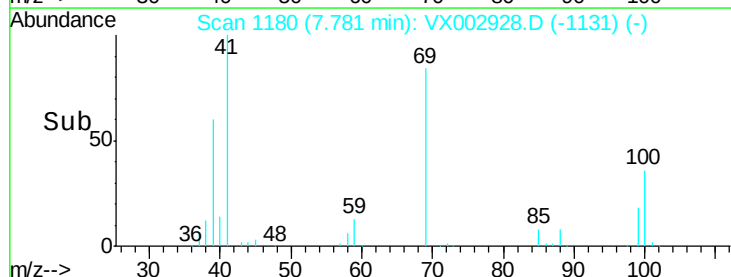
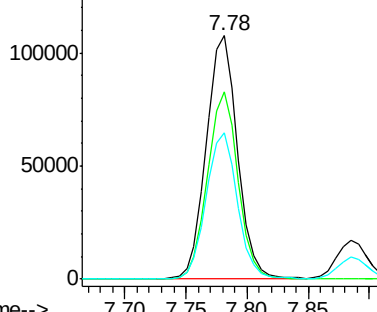
41 100

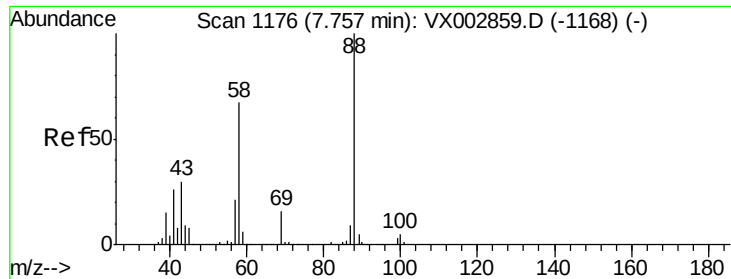
69 76.1 59.1 88.7

39 60.1 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

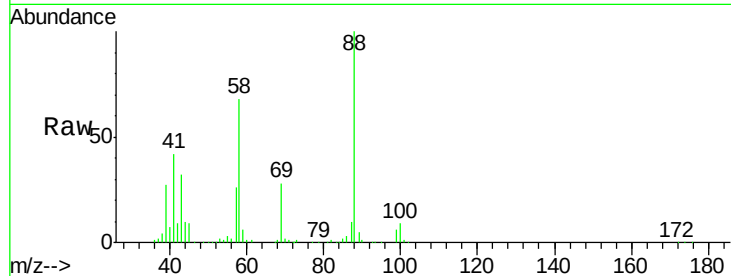




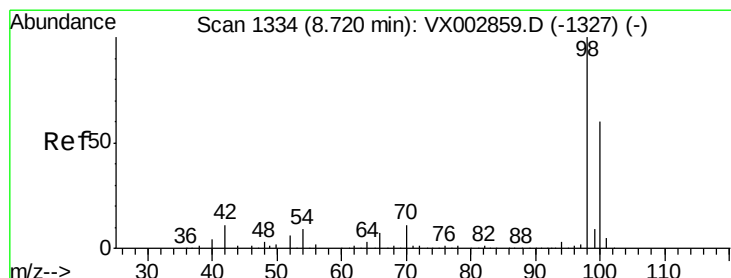
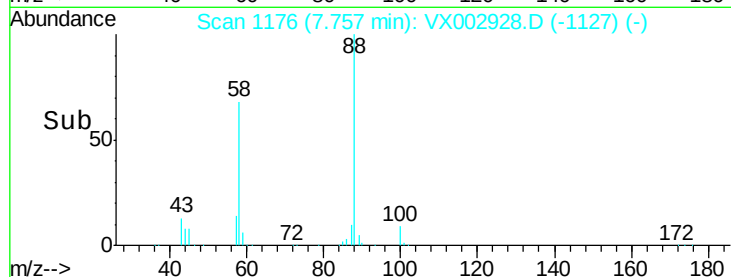
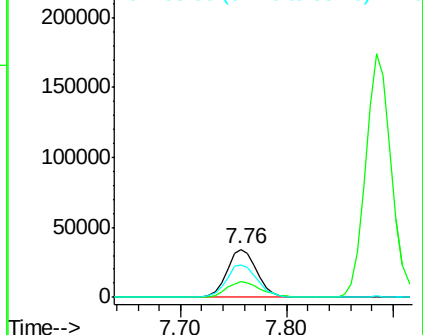
#49
1,4-Dioxane
Concen: 910.55 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	66493
Ion	Ratio	Lower	Upper
88	100		
43	36.3	29.8	44.6
58	70.4	57.1	85.7

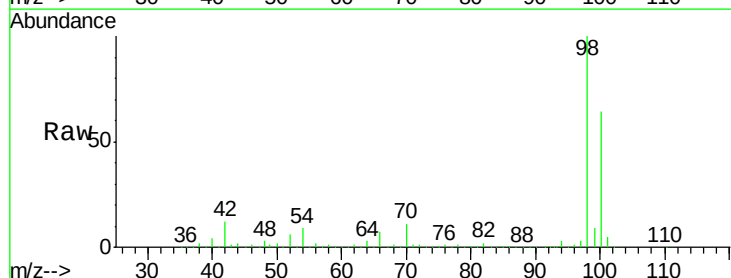


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

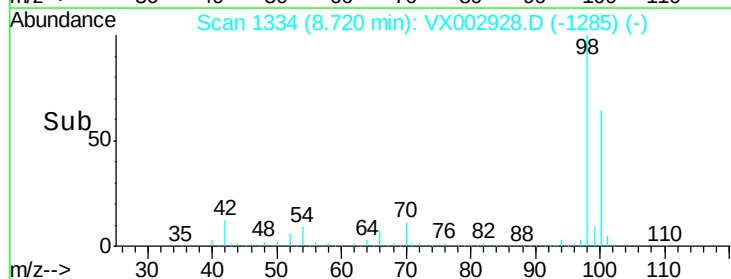
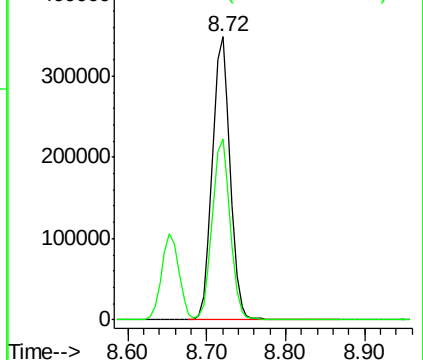


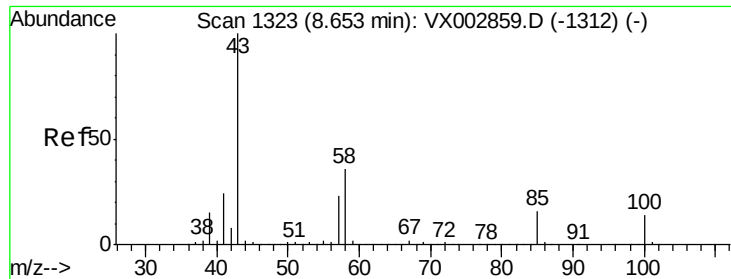
#50
Toluene-d8
Concen: 51.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion	98	Resp	549154
Ion	Ratio	Lower	Upper
98	100		
100	64.0	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: 250.42 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

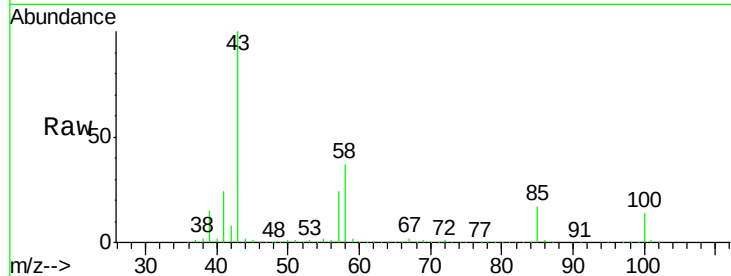
VSTDCCC050

Tot Ion: 43 Resp: 1141307

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

8.65

800000

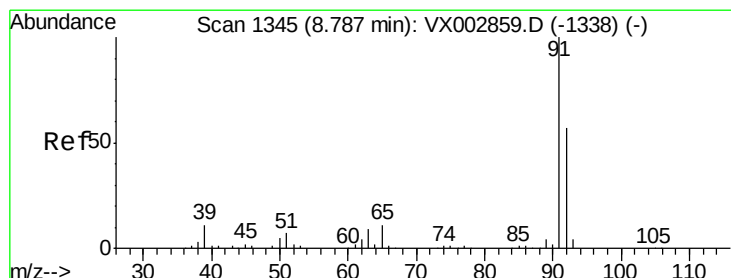
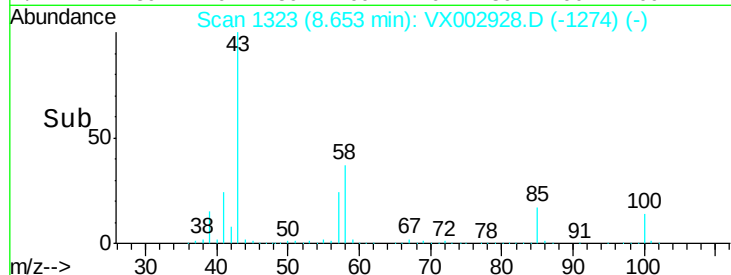
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.50 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002928.D

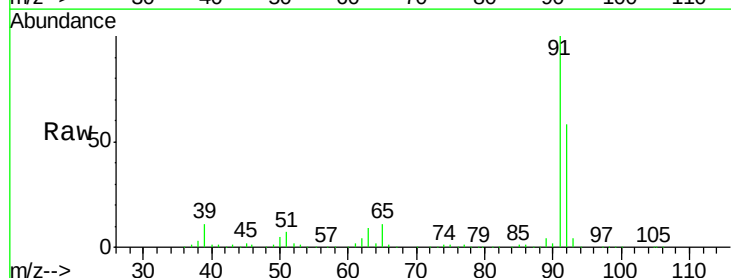
Acq: 27 Jun 2018 10:11

Tgt Ion: 92 Resp: 386734

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

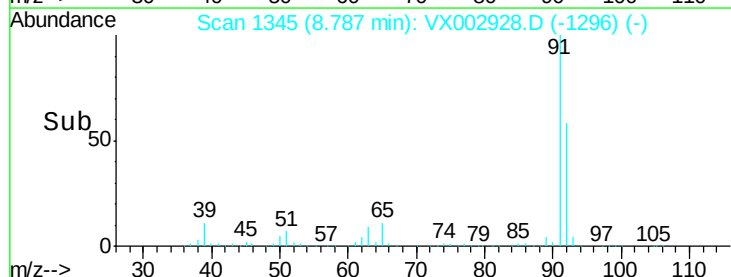
300000

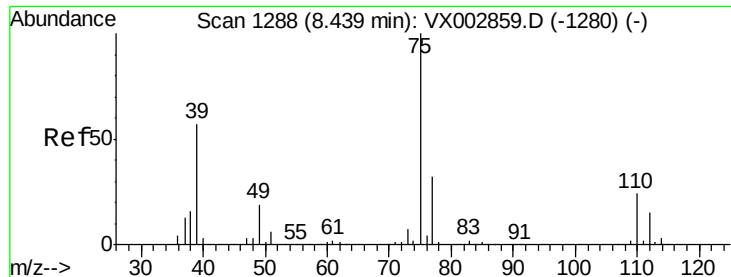
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.44 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

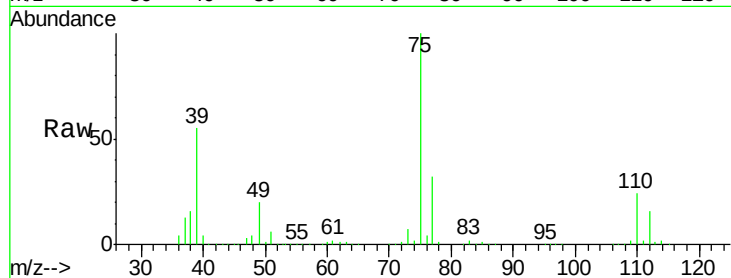
VSTDCCC050

Tot Ion: 75 Resp: 241406

Ion Ratio Lower Upper

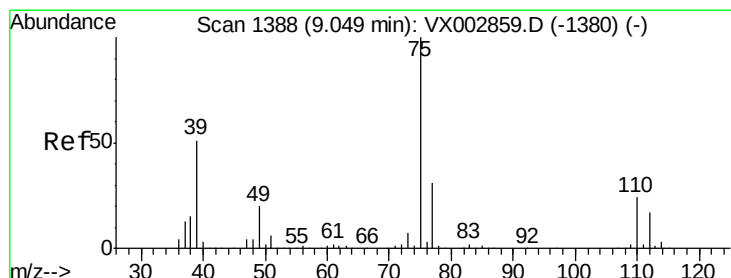
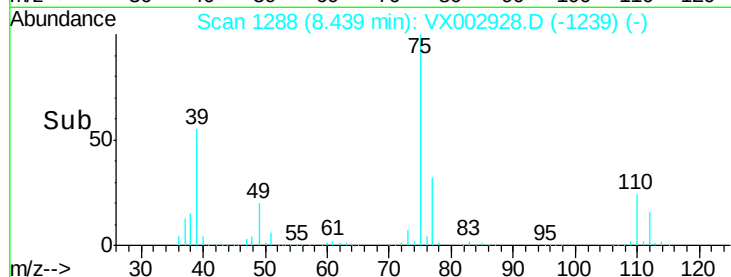
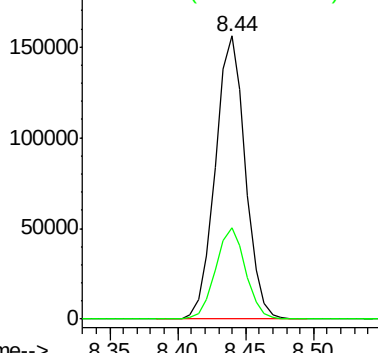
75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.61 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

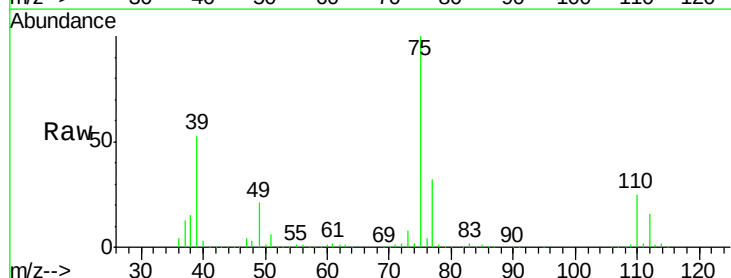
Tgt Ion: 75 Resp: 228694

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

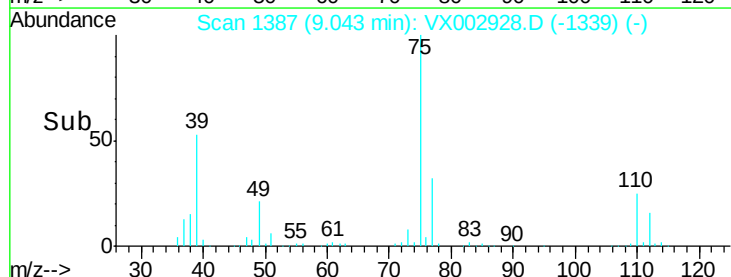
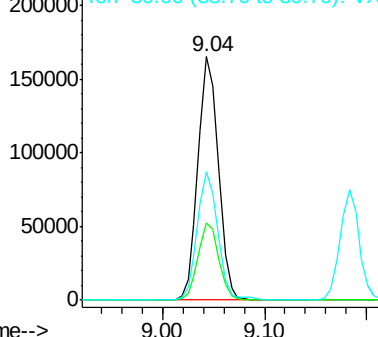
39 52.8 42.4 63.6

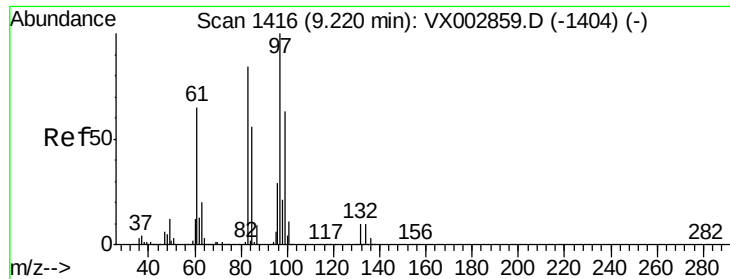


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

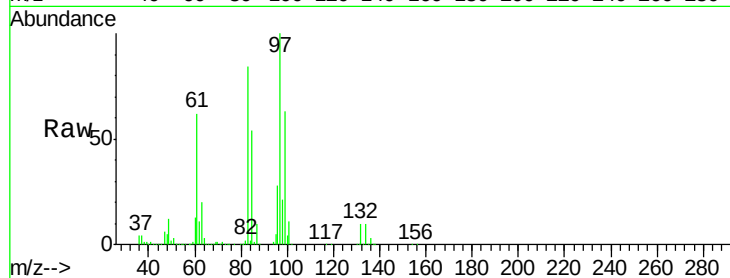




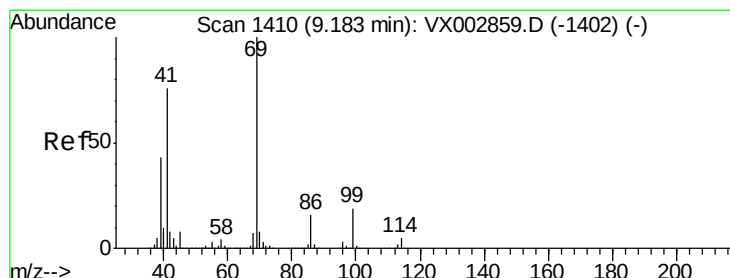
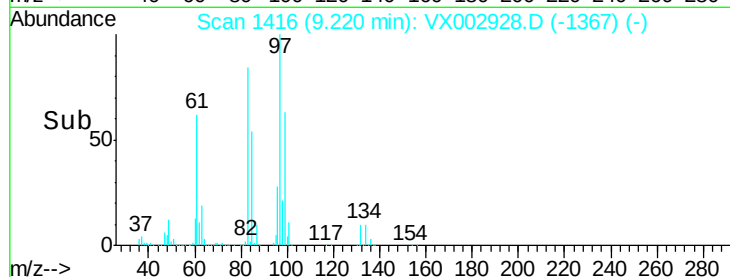
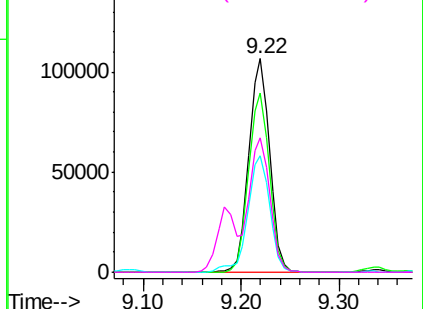
#55
 1,1,2-Trichloroethane
 Concen: 51.01 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	157406
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	54.4	44.9	67.3
99	62.8	49.8	74.8

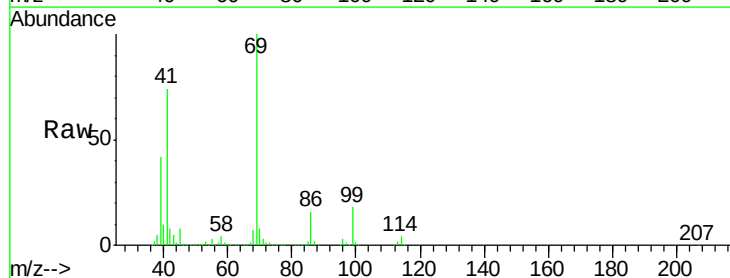


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

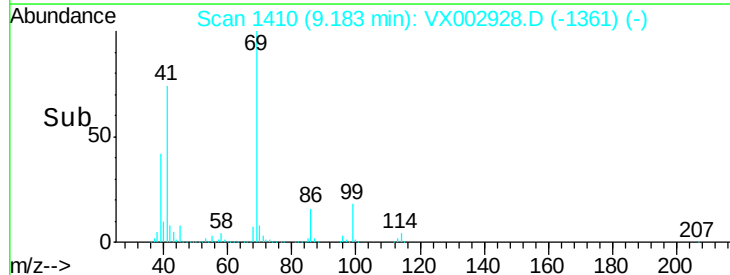
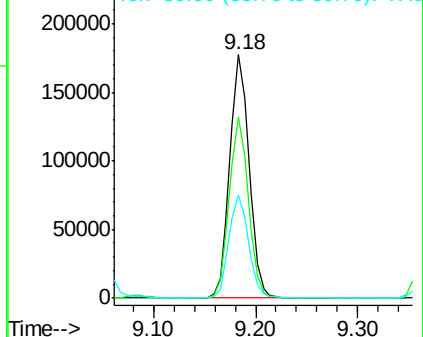


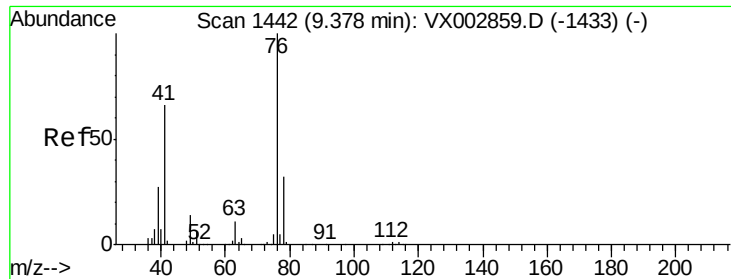
#56
 Ethyl methacrylate
 Concen: 51.54 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:	69	Resp:	232403
Ion	Ratio	Lower	Upper
69	100		
41	73.5	60.3	90.5
39	42.8	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

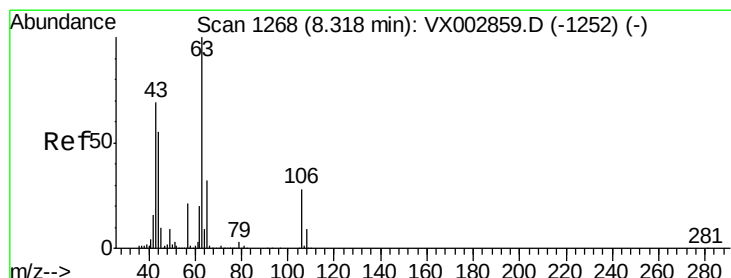
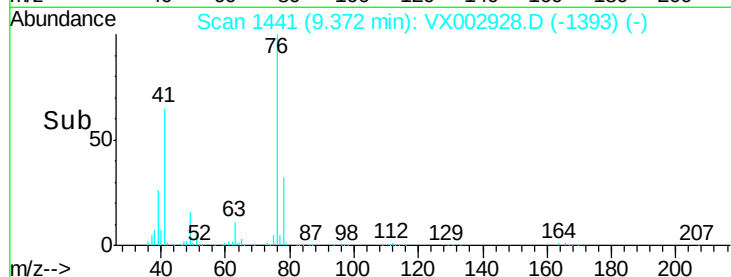
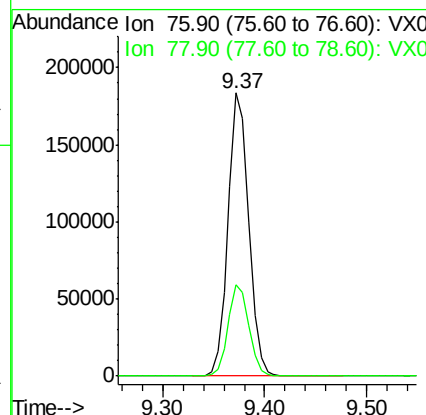
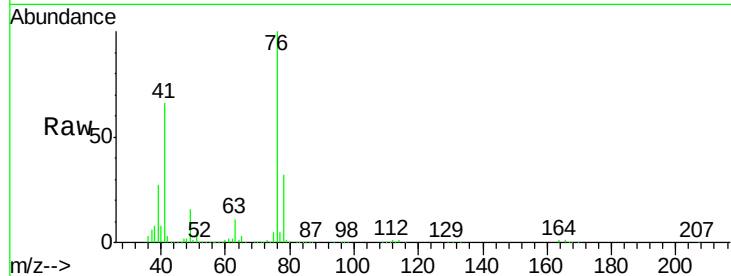




#57
 1,3-Dichloropropane
 Concen: 50.81 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

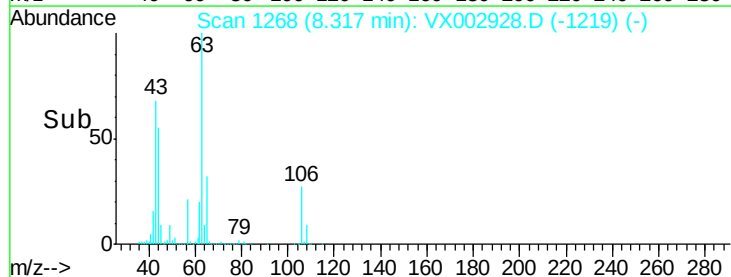
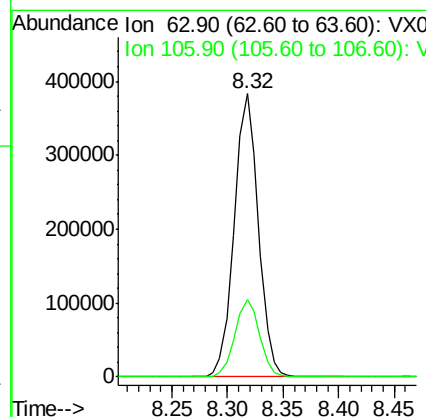
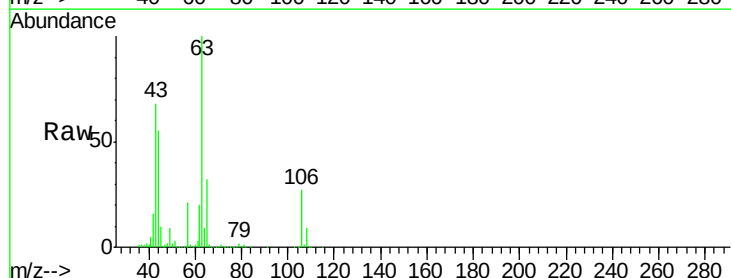
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

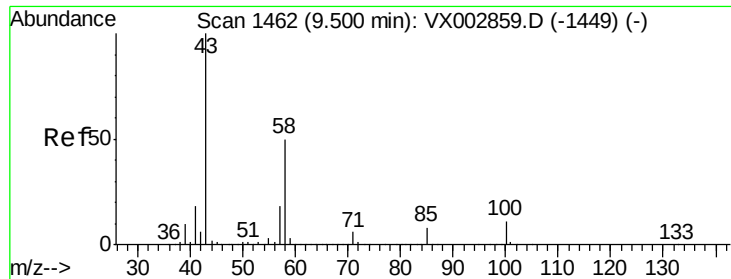
Tot Ion: 76 Resp: 257471
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.52 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 63 Resp: 573282
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8

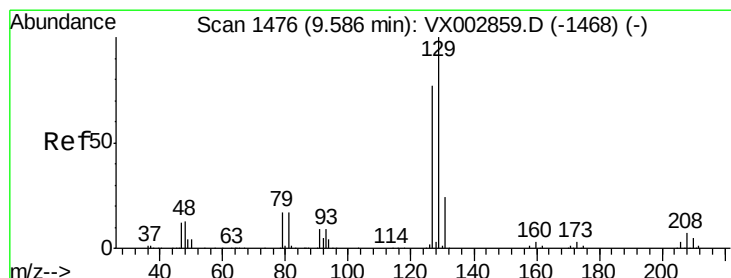
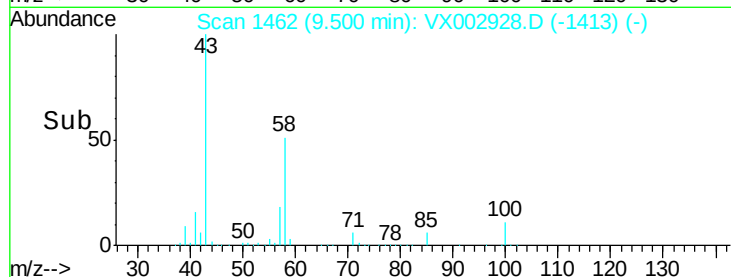
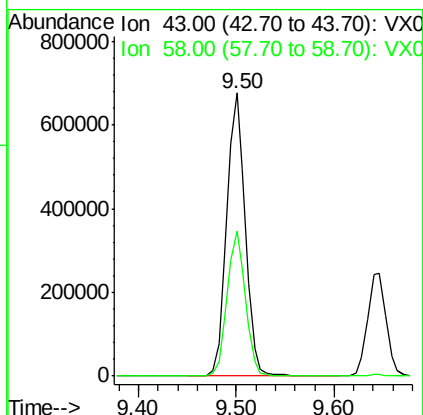
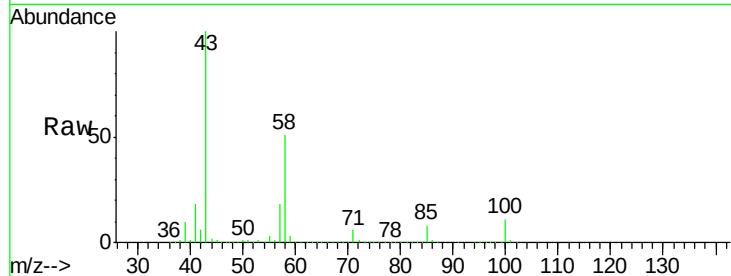




#59
2-Hexanone
Concen: 256.52 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

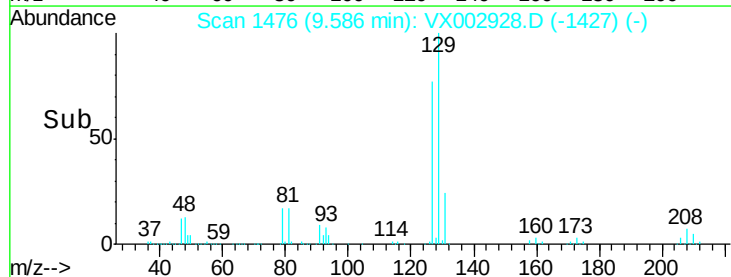
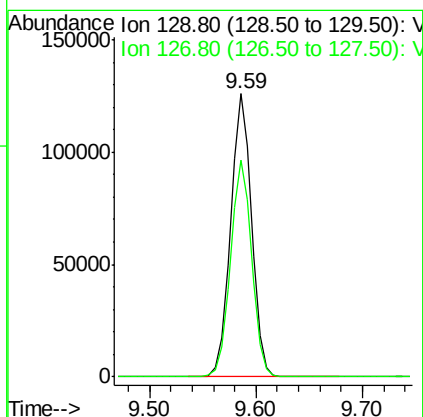
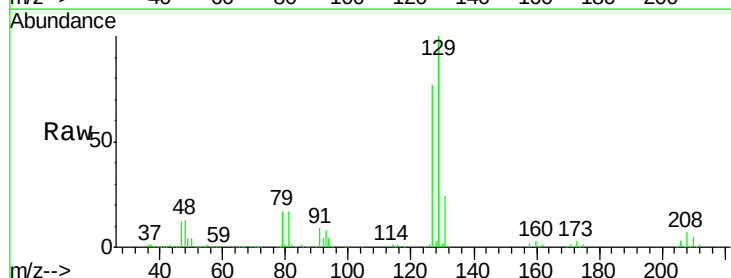
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

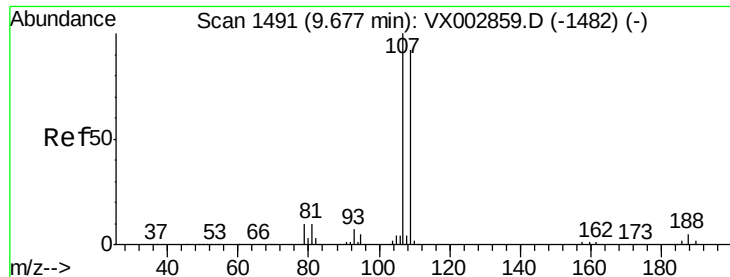
Tot Ion: 43 Resp: 888519
Ion Ratio Lower Upper
43 100
58 50.7 24.6 73.6



#60
Dibromochloromethane
Concen: 53.61 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 129 Resp: 174132
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

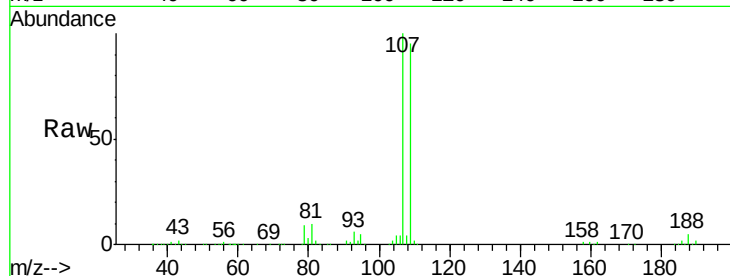
VSTDCCC050

Tot Ion:107 Resp: 165862

Ion Ratio Lower Upper

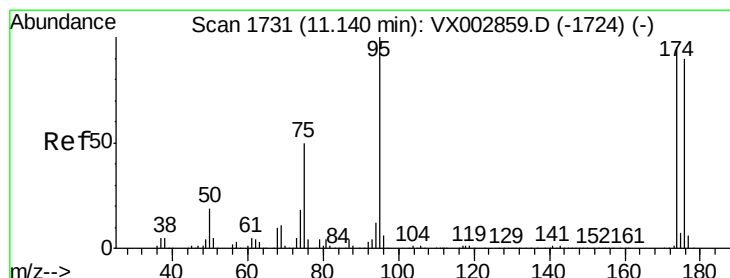
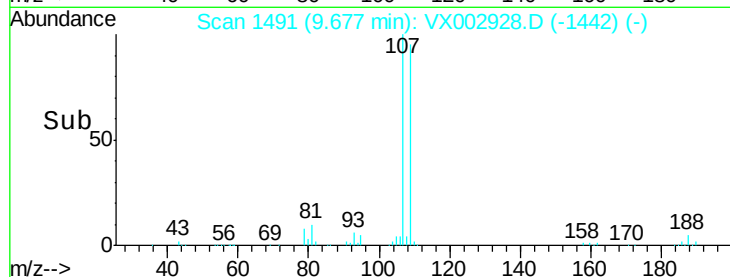
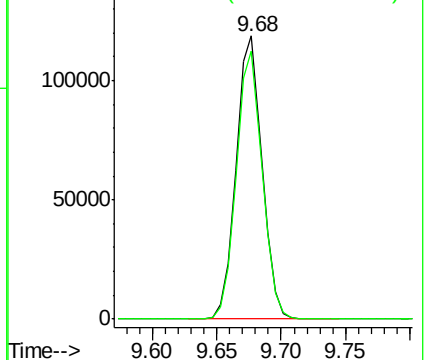
107 100

109 94.7 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: 52.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

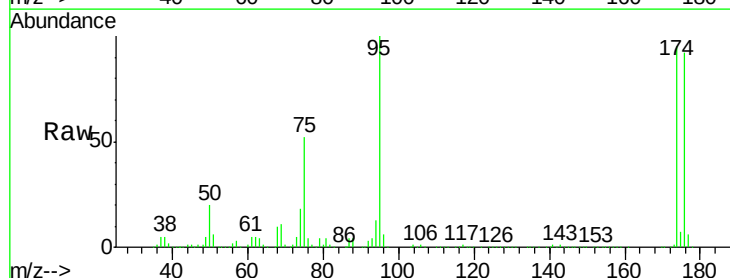
Tgt Ion: 95 Resp: 216002

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

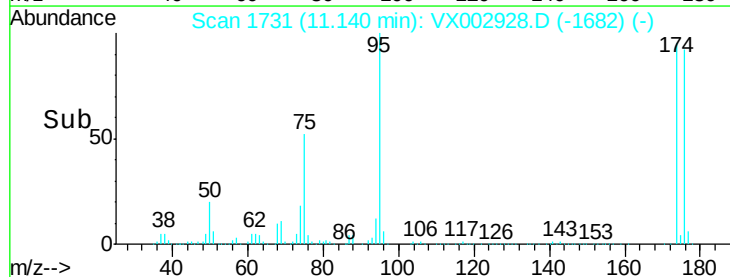
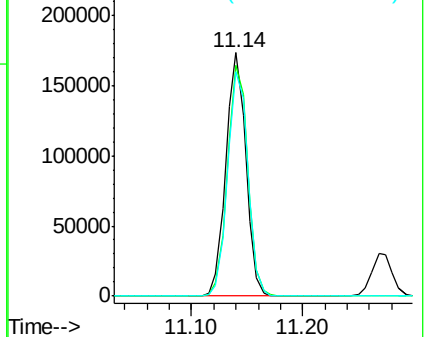
176 93.3 0.0 181.0

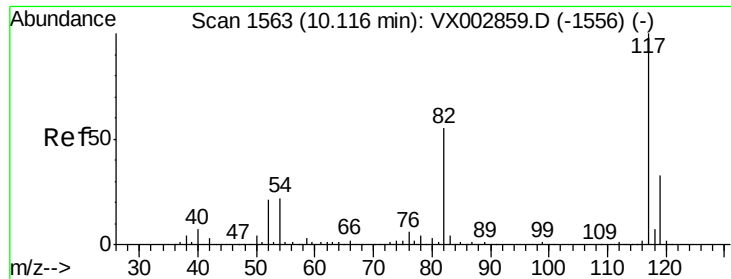


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

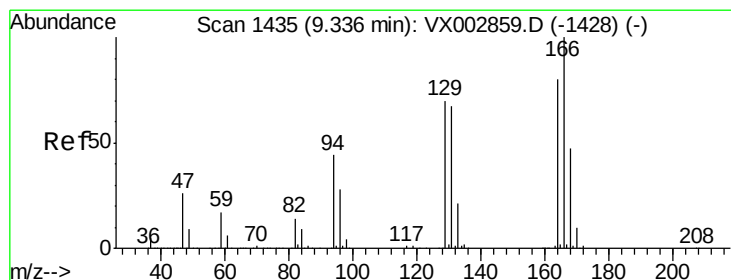
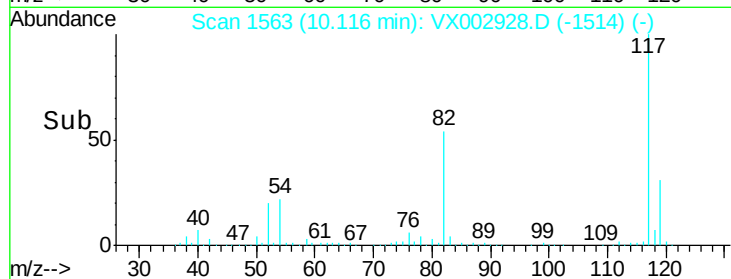
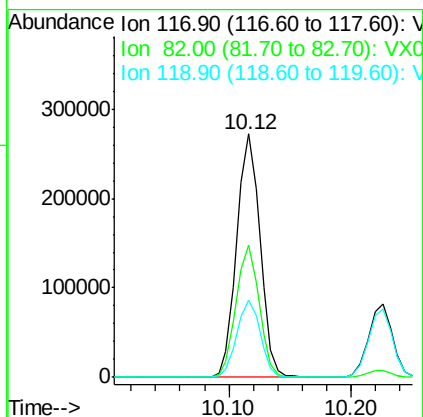
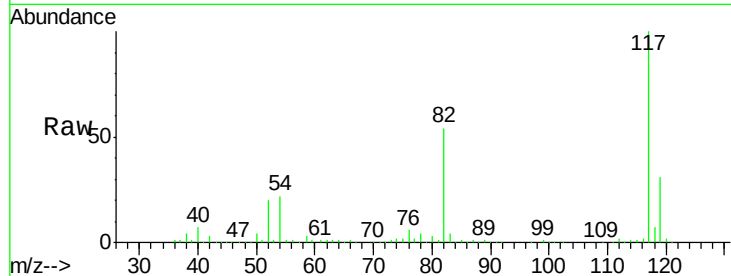




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

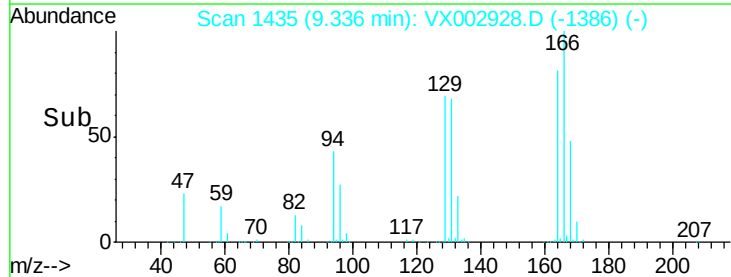
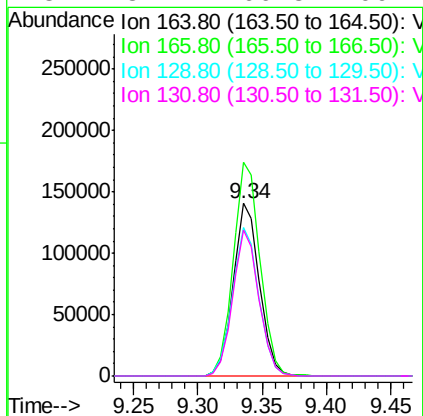
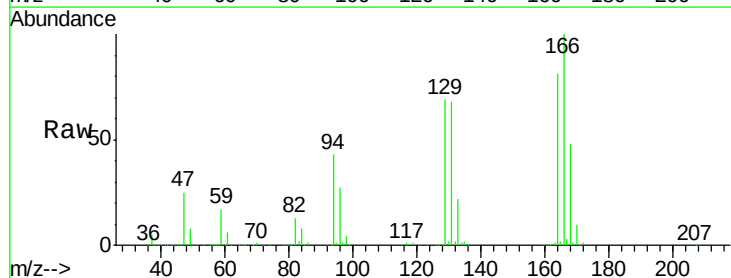
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

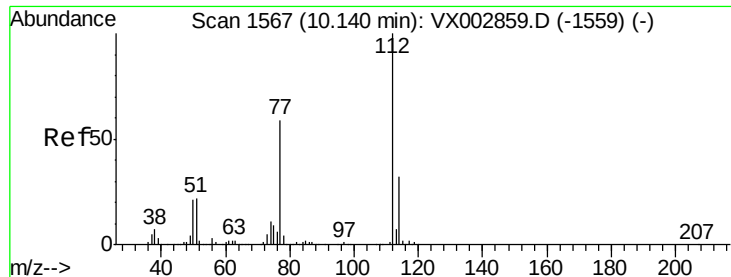
Tot Ion:117 Resp: 358595
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 49.92 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion:164 Resp: 199062
Ion Ratio Lower Upper
164 100
166 123.9 102.9 154.3
129 85.9 68.6 102.8
131 84.7 66.8 100.2

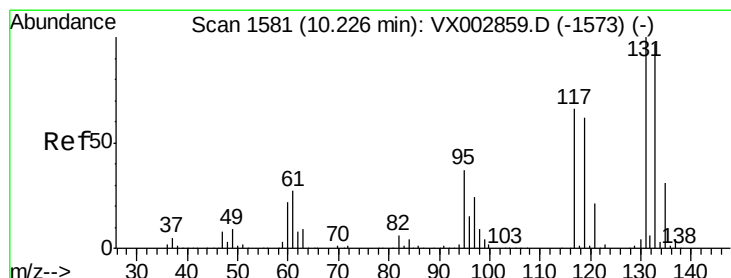
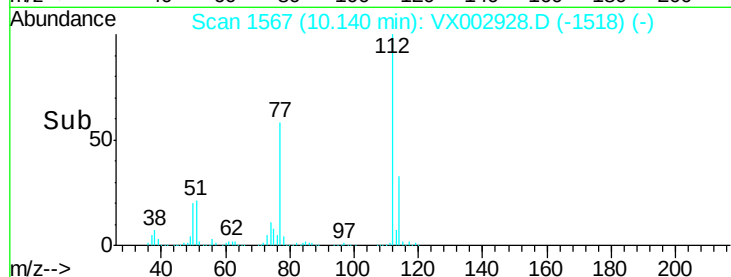
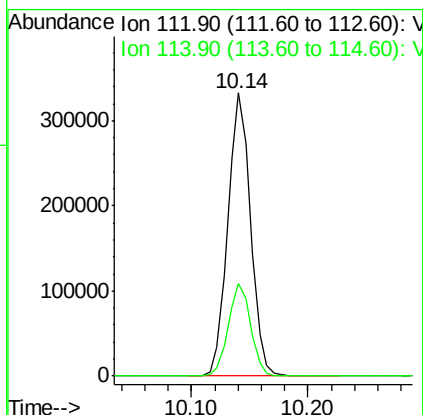
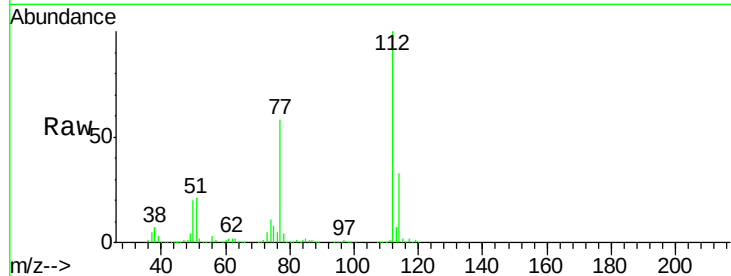




#65
Chlorobenzene
Concen: 49.55 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

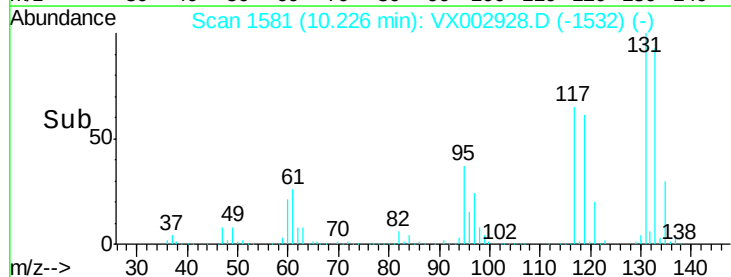
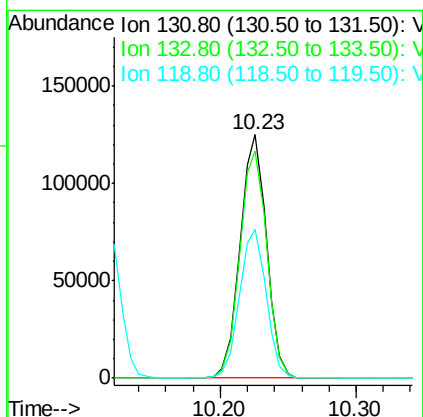
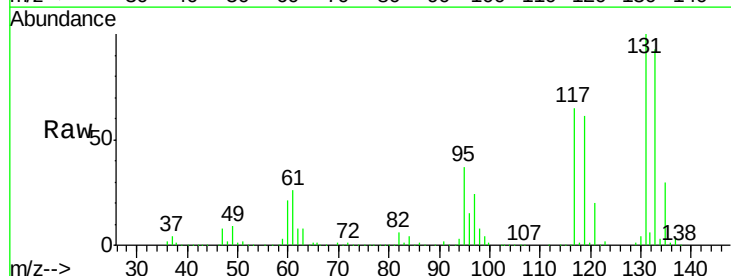
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

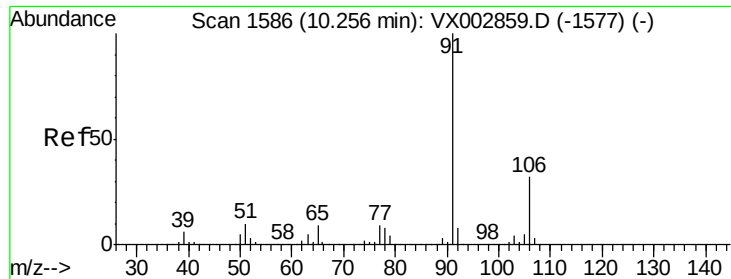
Tot Ion:112 Resp: 451297
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion:131 Resp: 168947
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 61.9 31.8 95.3

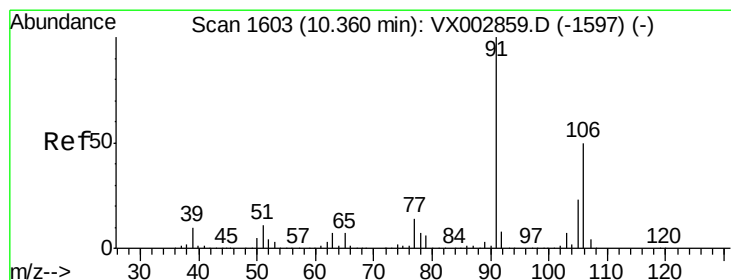
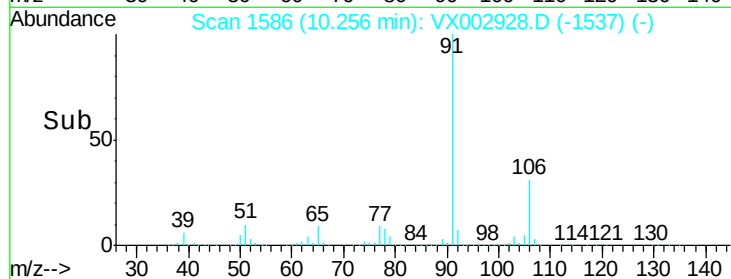
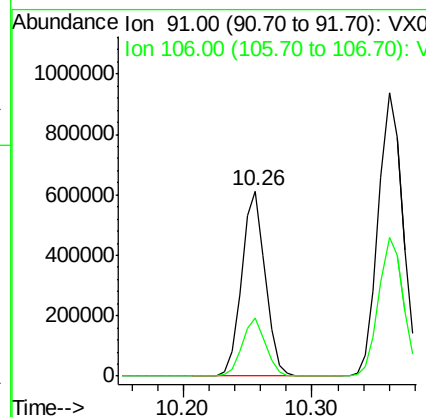
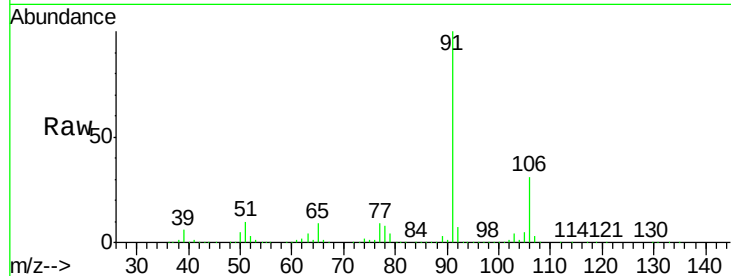




#67
Ethyl Benzene
Concen: 51.58 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

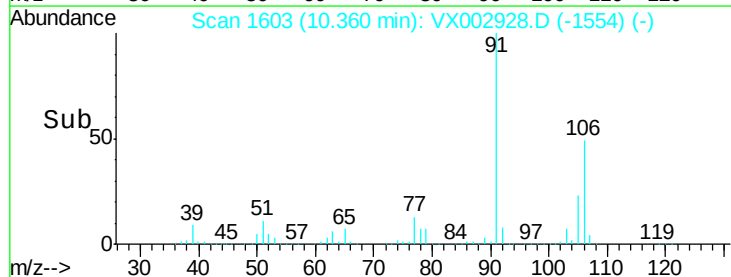
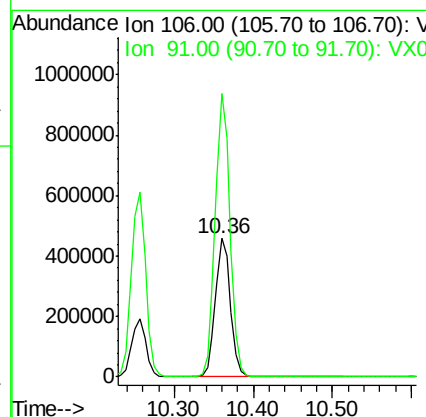
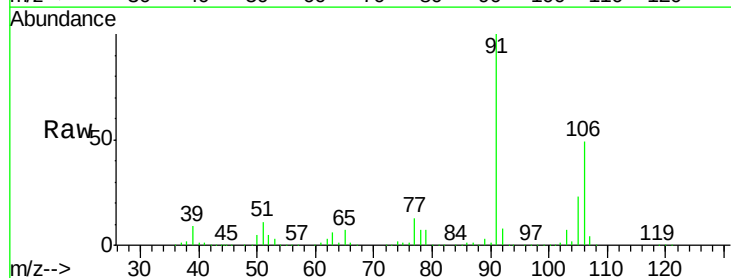
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

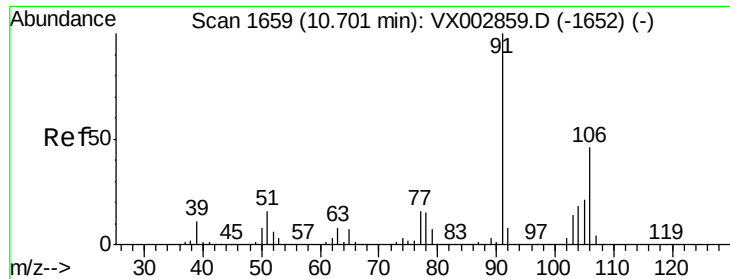
Tot Ion: 91 Resp: 776048
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 104.07 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 106 Resp: 603495
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2

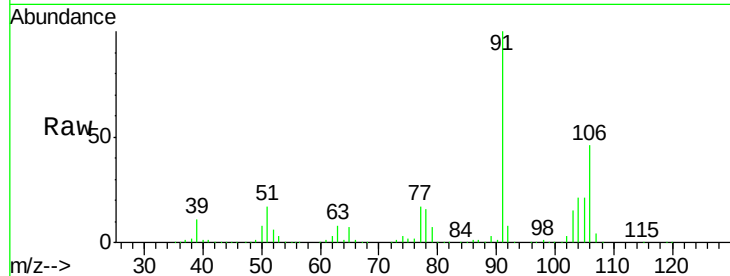




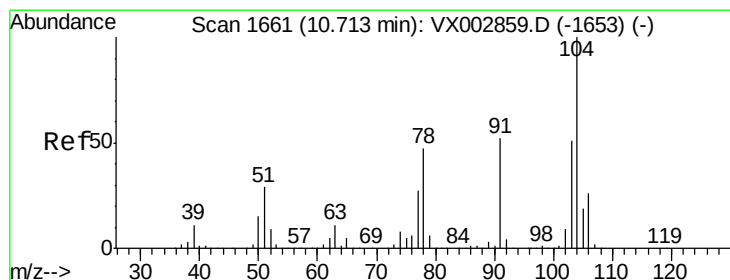
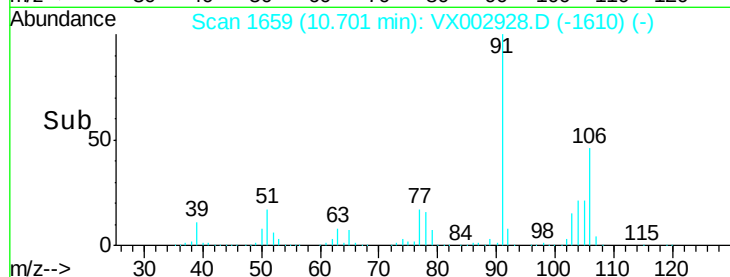
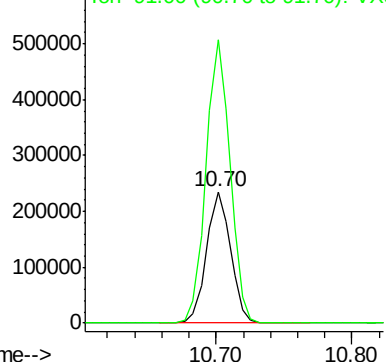
#69
o-Xylene
Concen: 51.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 290153
Ion Ratio Lower Upper
106 100
91 214.8 108.2 324.6

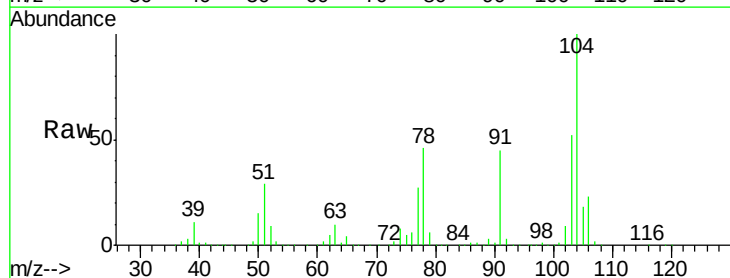


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

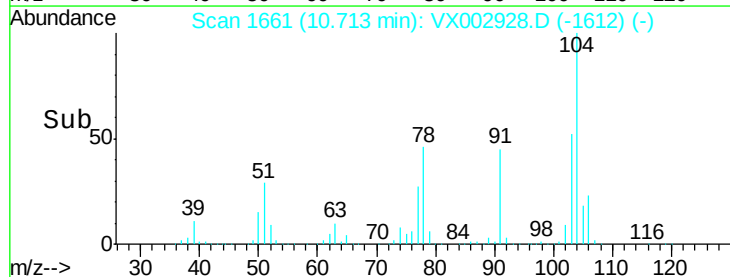
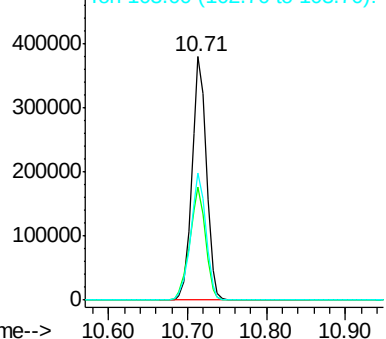


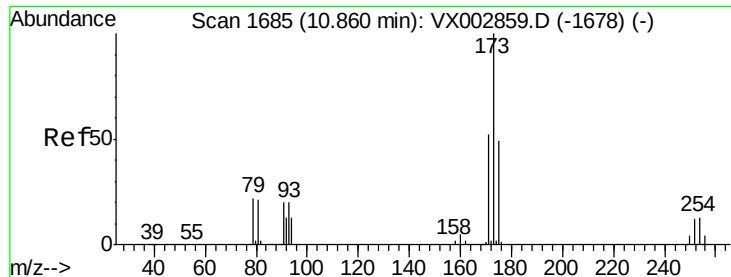
#70
Styrene
Concen: 52.79 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion:104 Resp: 484292
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 55.8 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

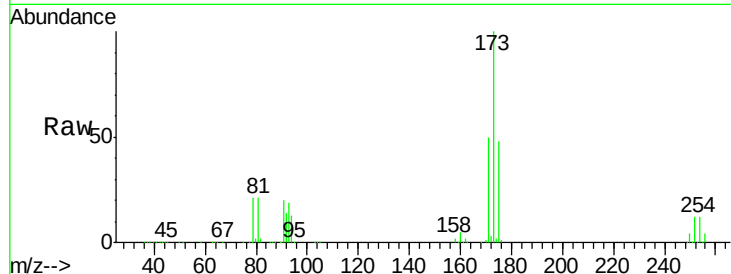




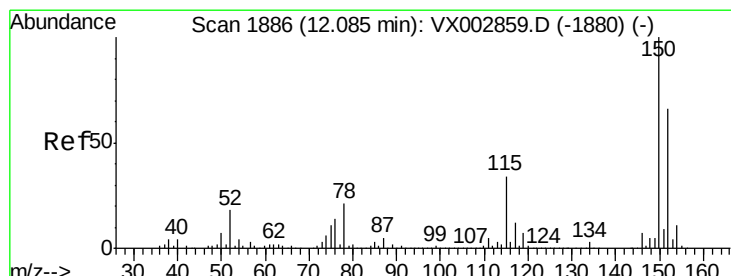
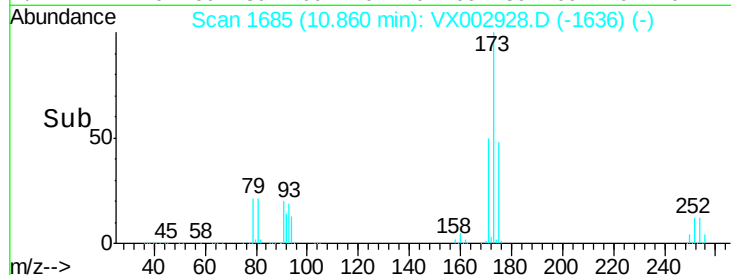
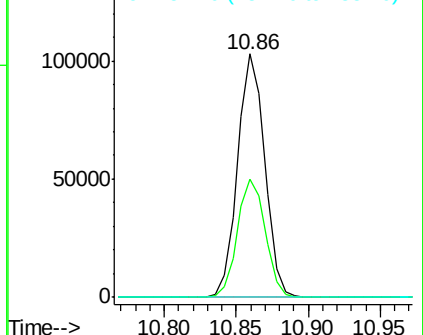
#71
Bromoform
Concen: 45.72 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:173 Resp: 135612
Ion Ratio Lower Upper
173 100
175 49.5 24.7 74.1
254 0.2 0.2 0.2

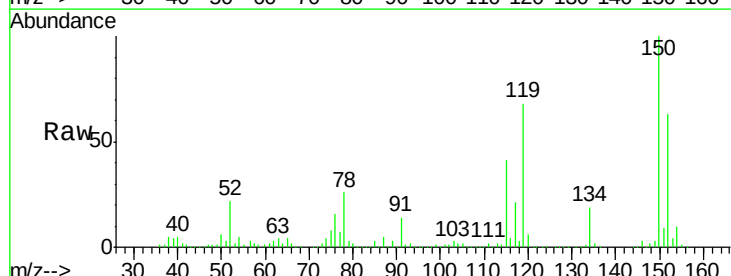


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

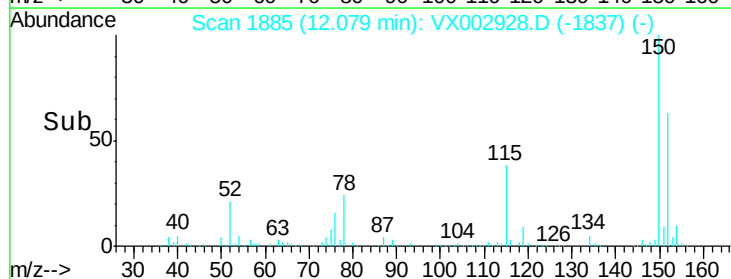
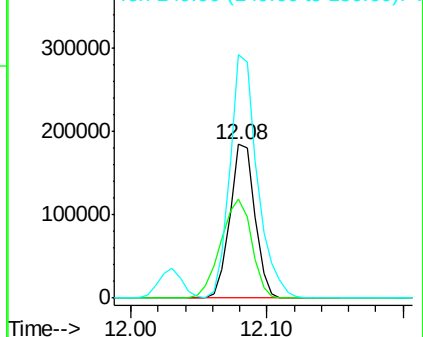


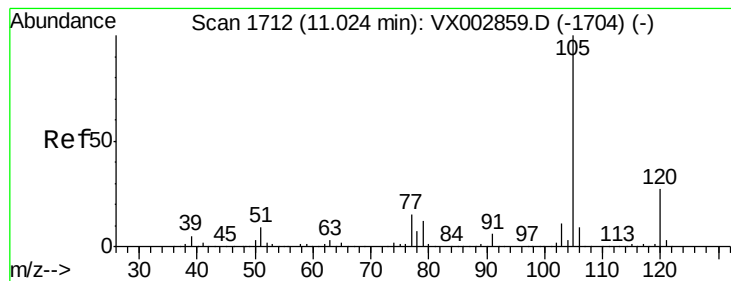
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002928.D
Acq: 27 Jun 2018 10:11

Tgt Ion:152 Resp: 234606
Ion Ratio Lower Upper
152 100
115 79.5 40.1 120.2
150 174.1 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: 50.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

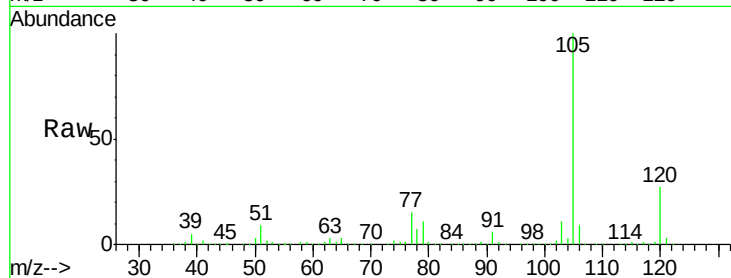
VSTDCCC050

Tot Ion:105 Resp: 803602

Ion Ratio Lower Upper

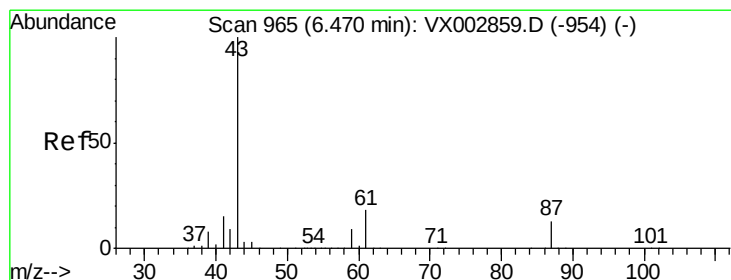
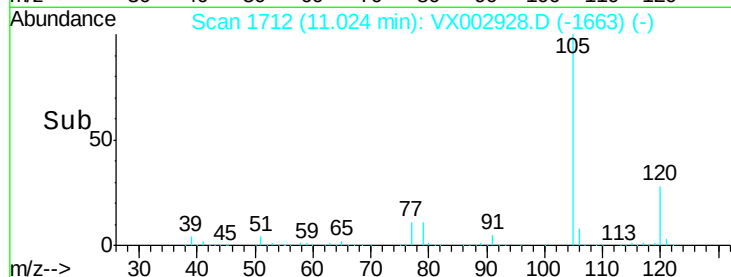
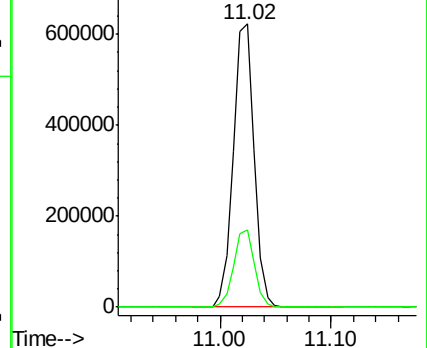
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.62 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 352257

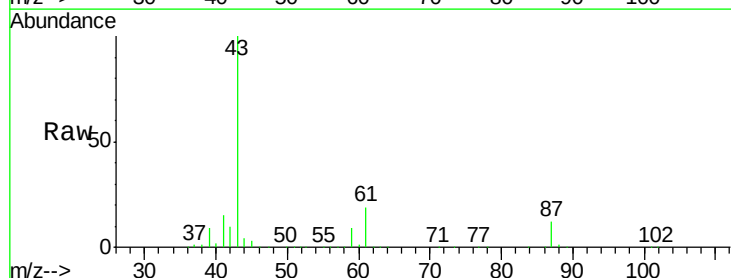
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.5 14.4 21.6

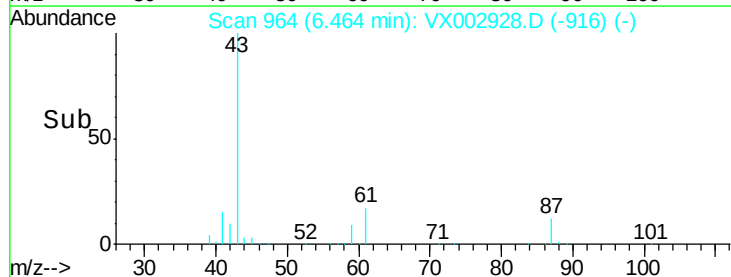
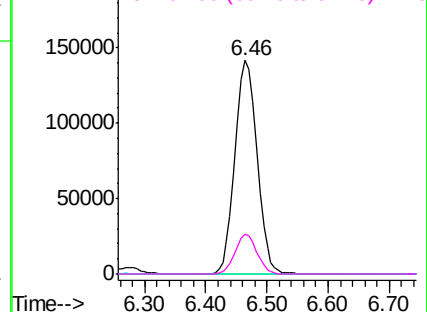


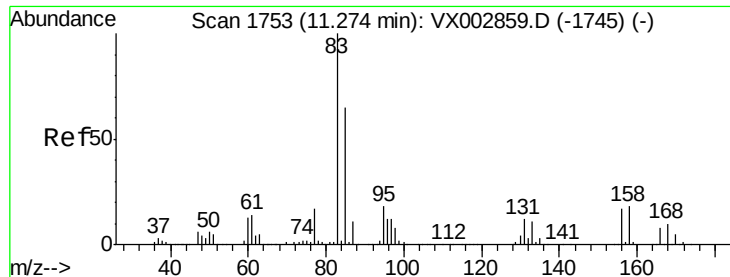
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.83 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

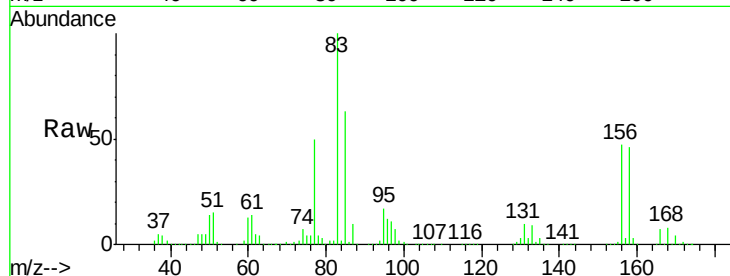
Tot Ion: 83 Resp: 232534

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

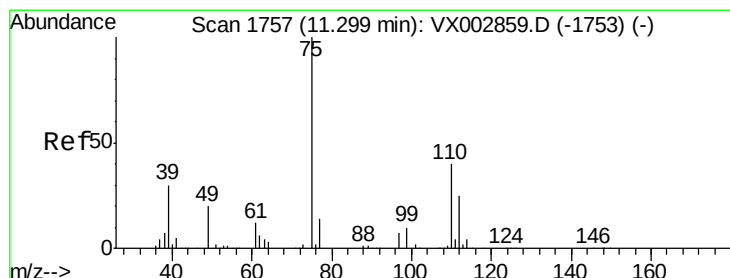
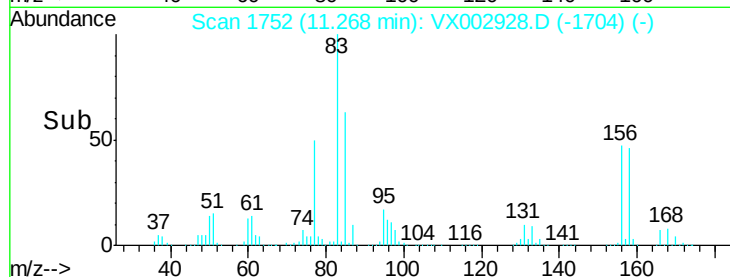
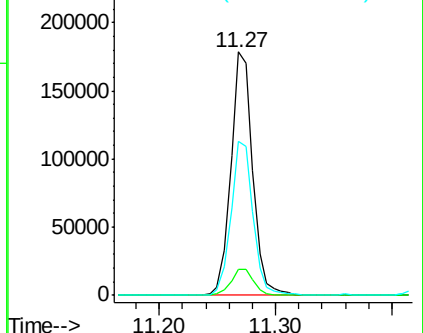
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.90 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002928.D

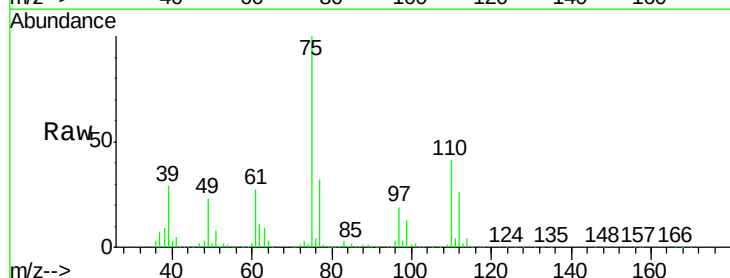
Acq: 27 Jun 2018 10:11

Tgt Ion: 75 Resp: 271549

Ion Ratio Lower Upper

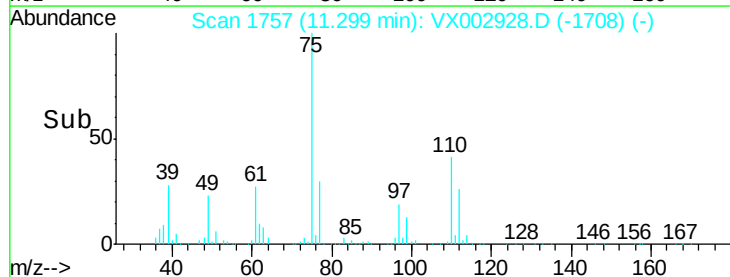
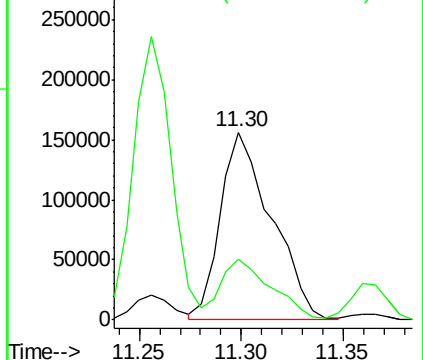
75 100

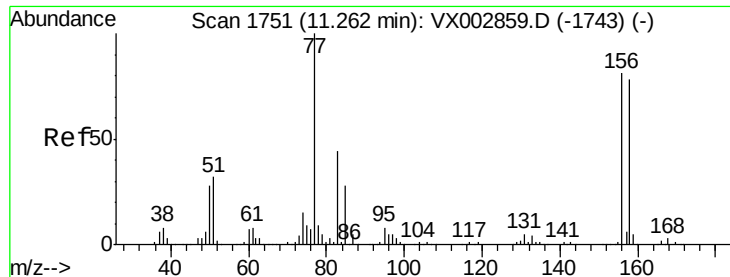
77 31.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.85 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

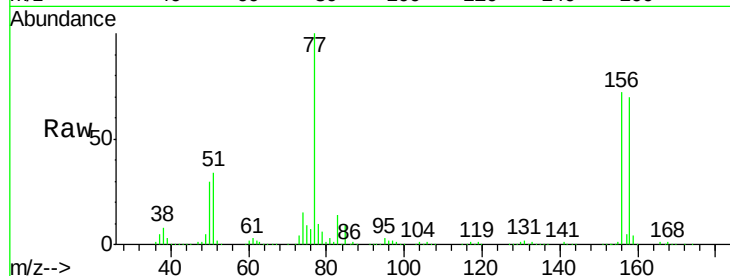
Tot Ion:156 Resp: 219576

Ion Ratio Lower Upper

156 100

77 138.7 71.4 214.2

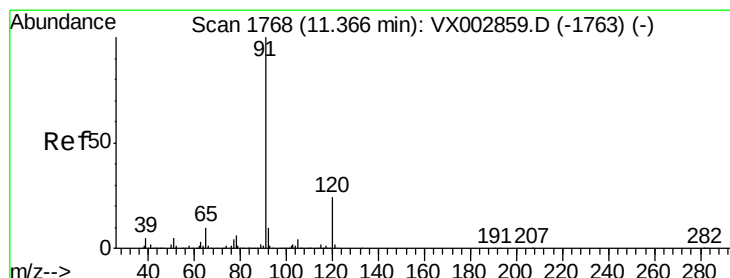
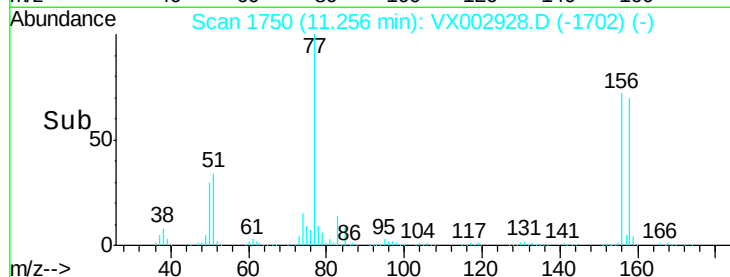
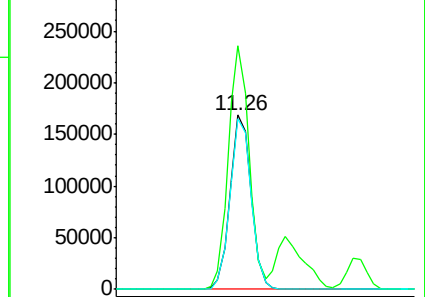
158 98.7 48.9 146.6



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: 52.02 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002928.D

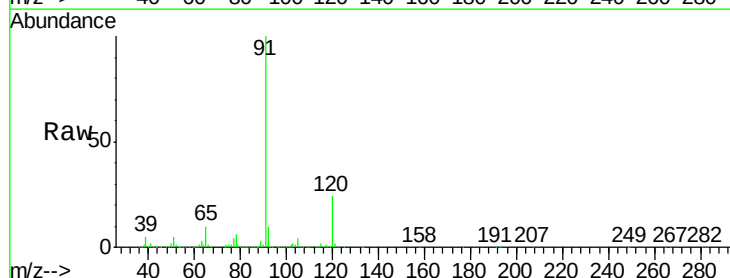
Acq: 27 Jun 2018 10:11

Tgt Ion: 91 Resp: 934554

Ion Ratio Lower Upper

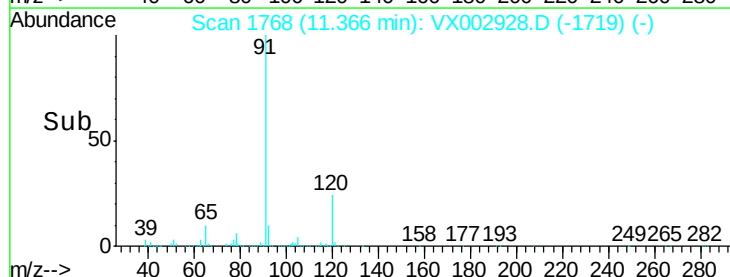
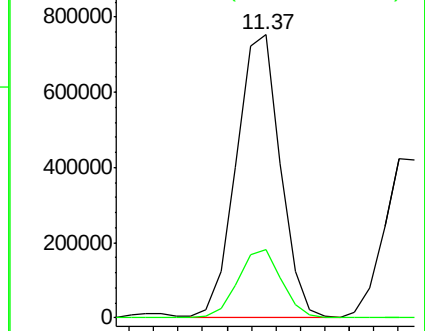
91 100

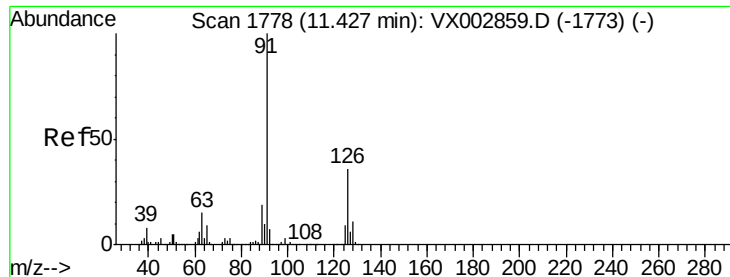
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.34 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

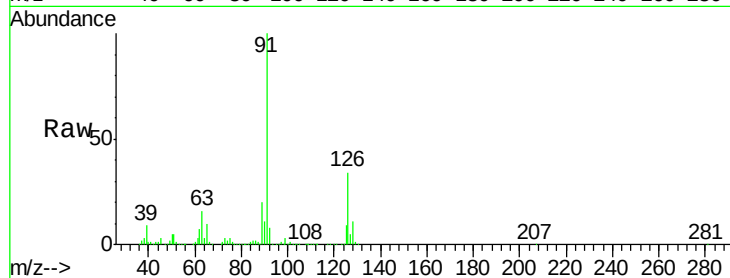
VSTDCCC050

Tot Ion: 91 Resp: 547572

Ion Ratio Lower Upper

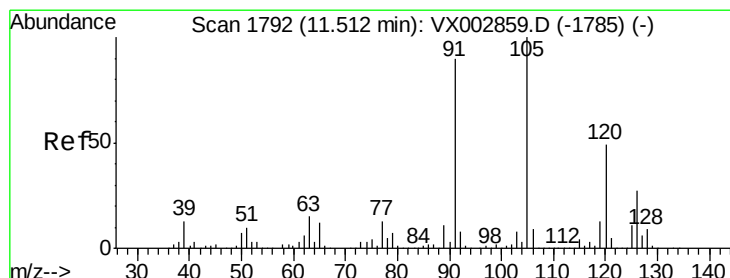
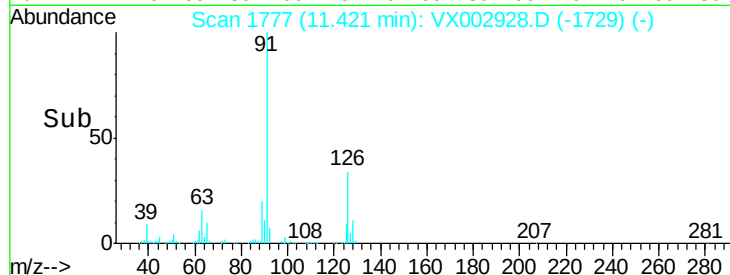
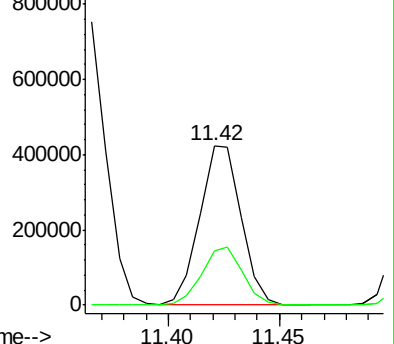
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002928.D

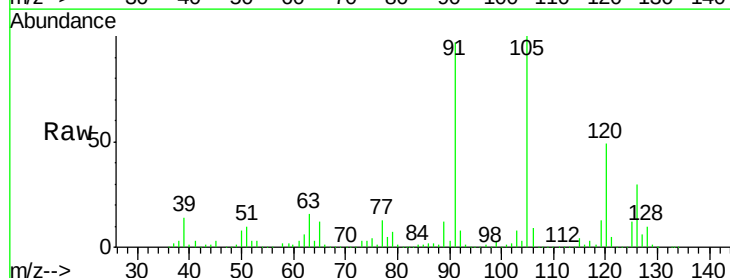
Acq: 27 Jun 2018 10:11

Tgt Ion:105 Resp: 695142

Ion Ratio Lower Upper

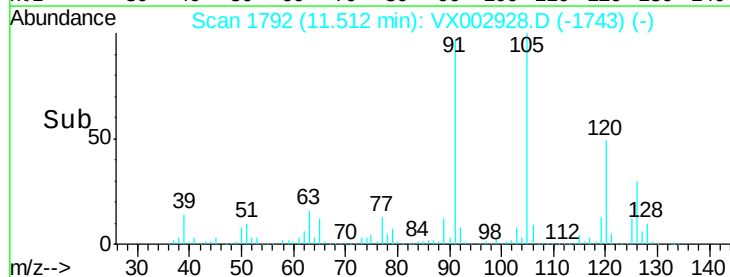
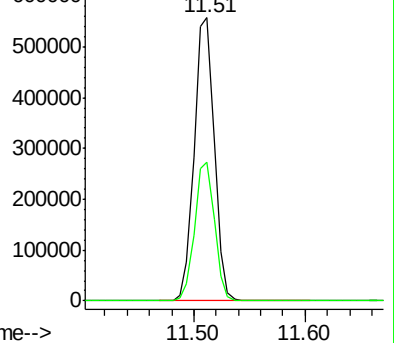
105 100

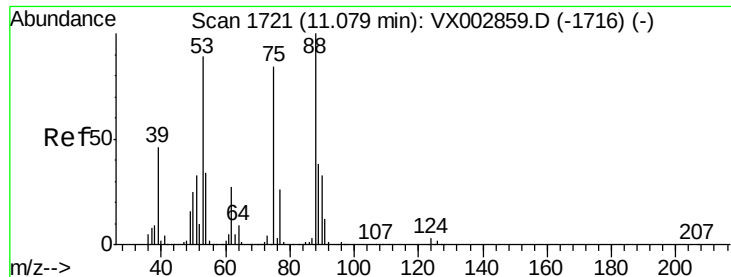
120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.09 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

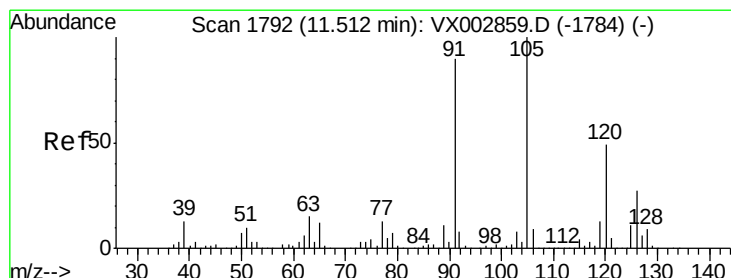
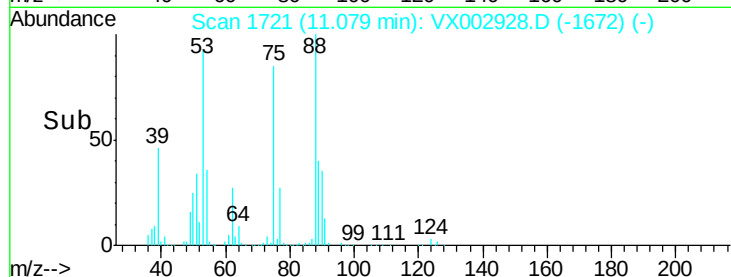
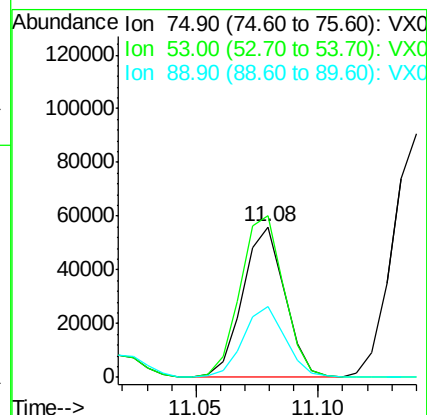
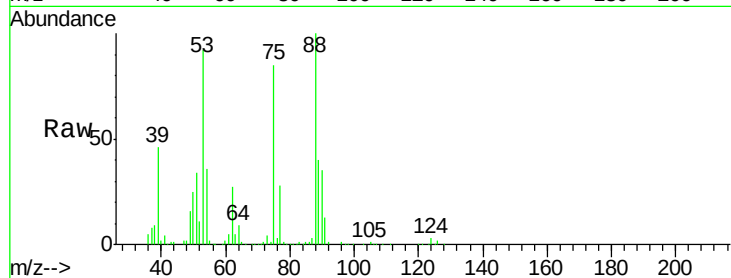
Tot Ion: 75 Resp: 67087

Ion Ratio Lower Upper

75 100

53 111.8 86.8 130.2

89 47.6 38.2 57.2



#82

4-Chlorotoluene

Concen: 50.71 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002928.D

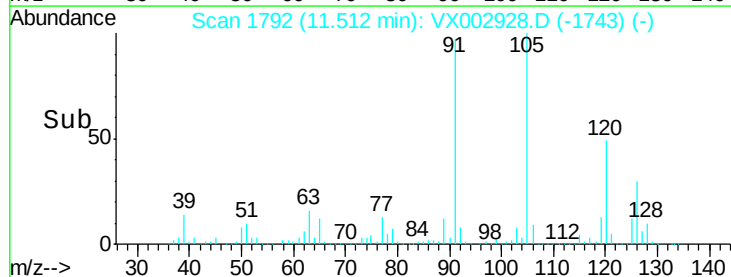
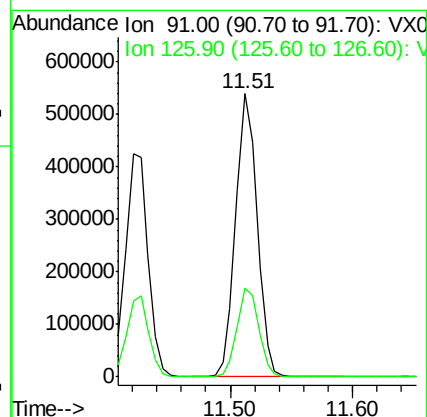
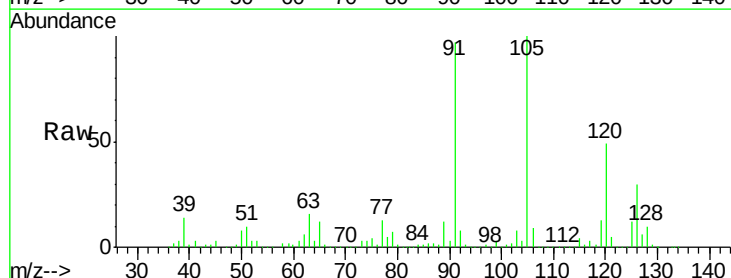
Acq: 27 Jun 2018 10:11

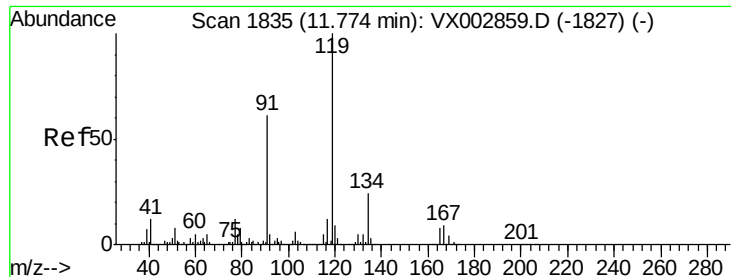
Tgt Ion: 91 Resp: 652986

Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.4

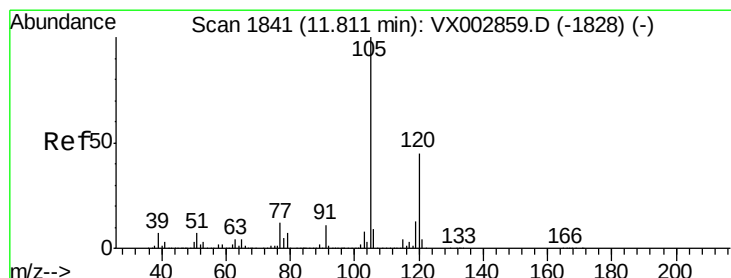
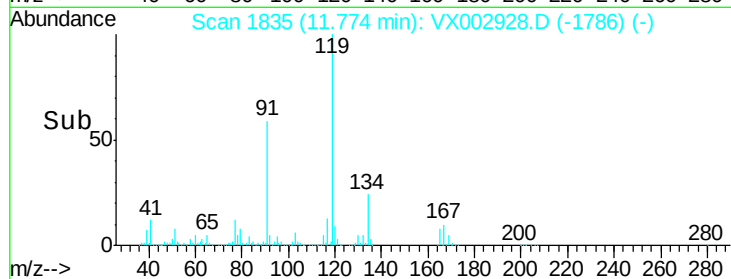
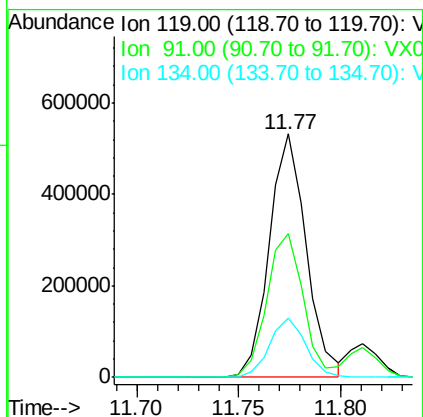
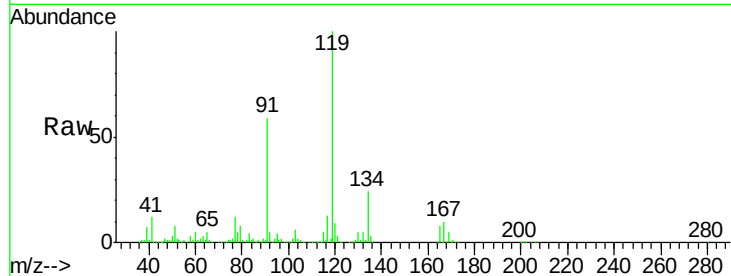




#83
 tert-Butylbenzene
 Concen: 51.35 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

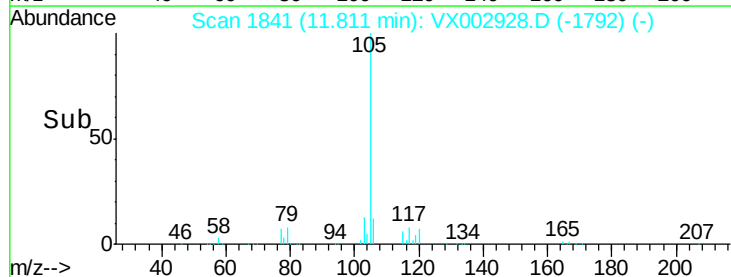
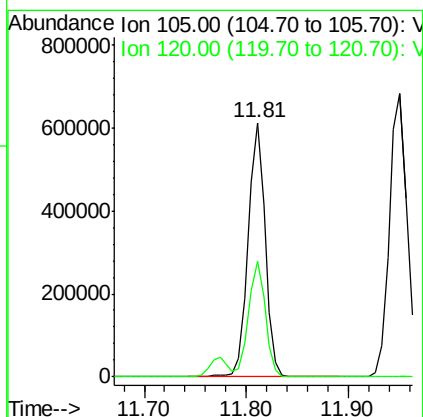
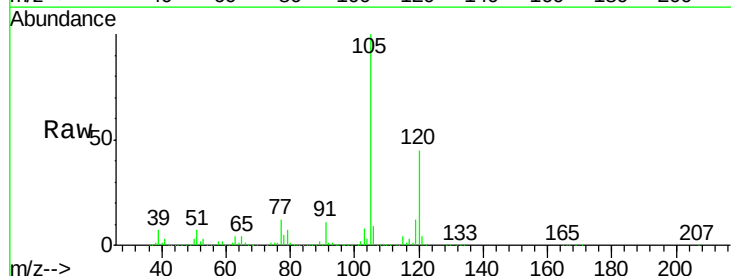
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

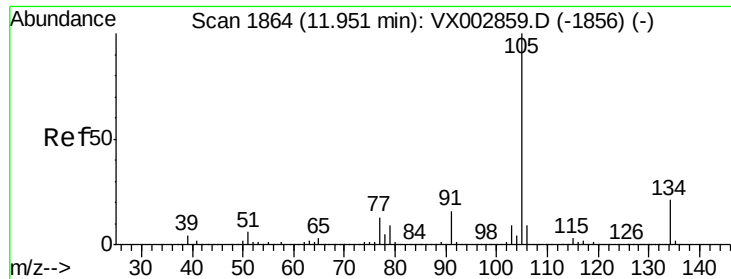
Tot Ion:119 Resp: 672694
 Ion Ratio Lower Upper
 119 100
 91 57.7 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.76 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:105 Resp: 712842
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 52.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

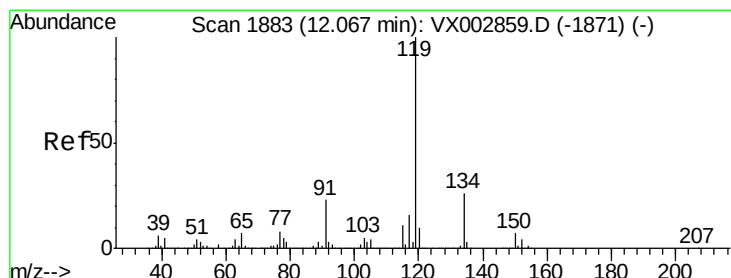
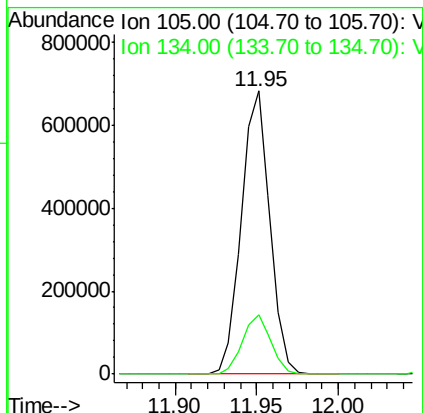
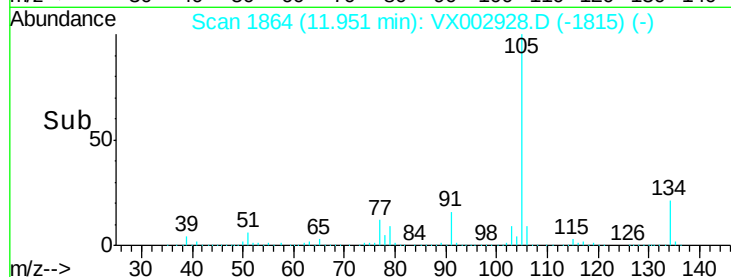
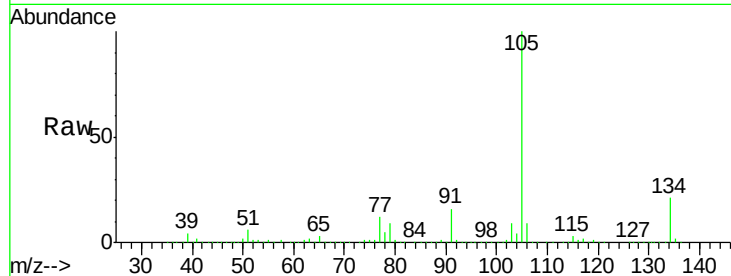
VSTDCCC050

Tot Ion:105 Resp: 828264

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



#86

p-Isopropyltoluene

Concen: 53.48 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

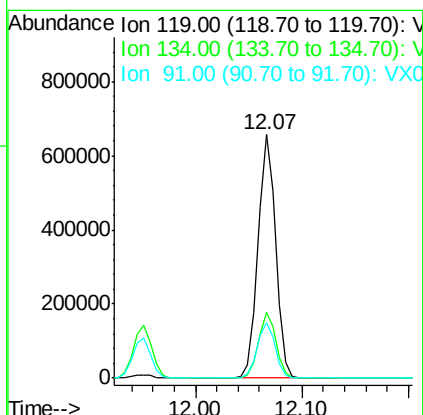
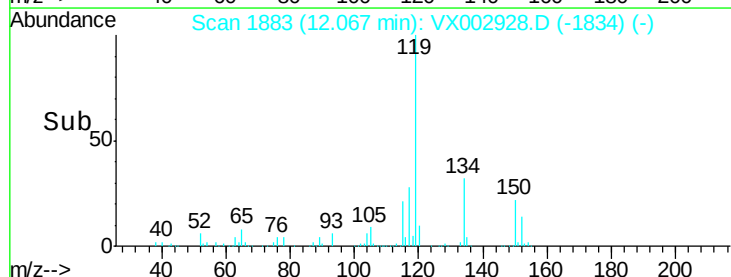
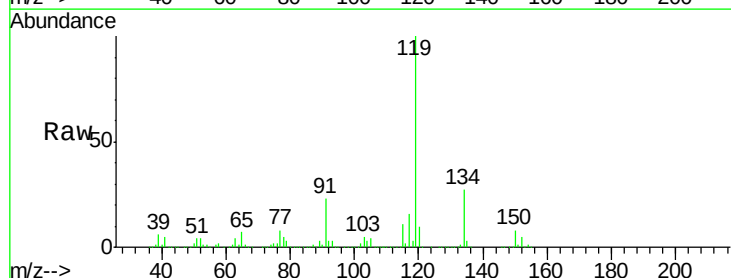
Tgt Ion:119 Resp: 764203

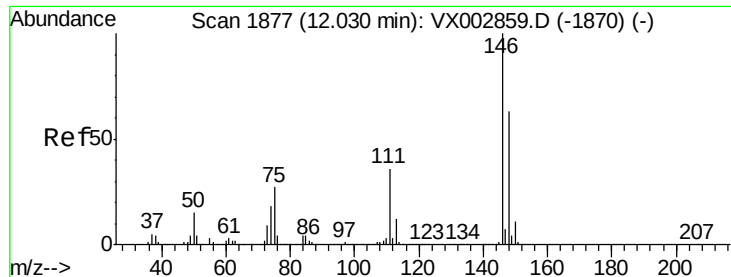
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.3 11.9 35.7

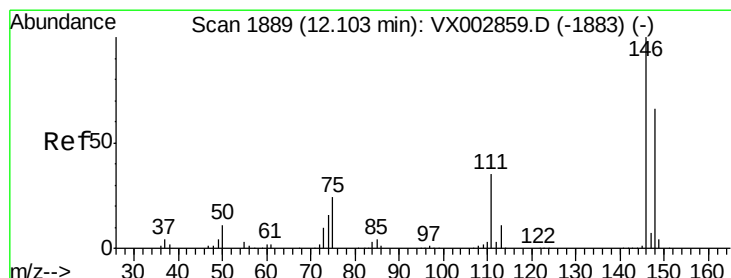
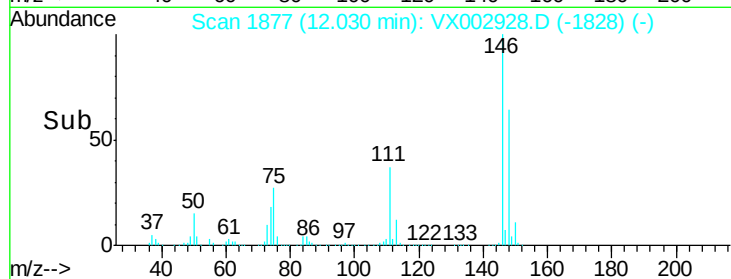
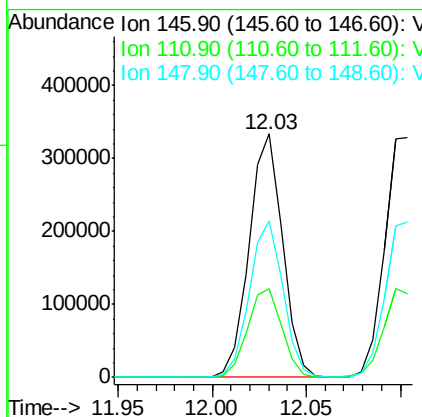
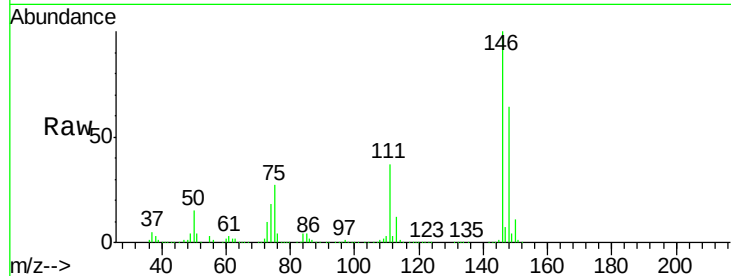




#87
 1,3-Dichlorobenzene
 Concen: 49.96 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

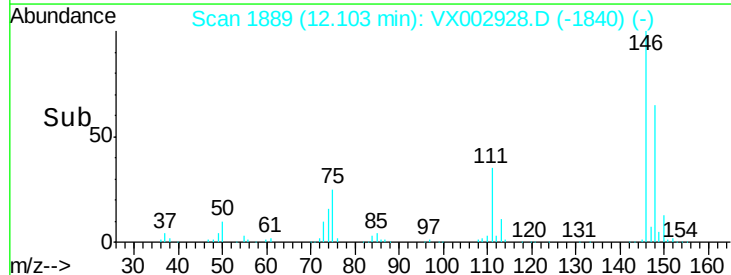
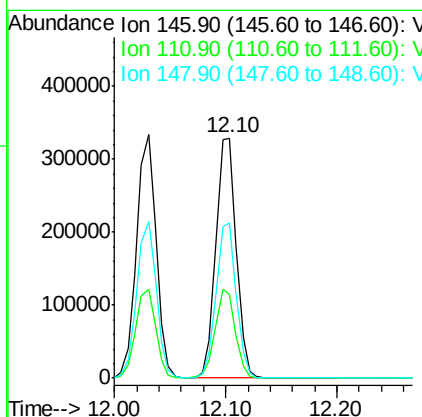
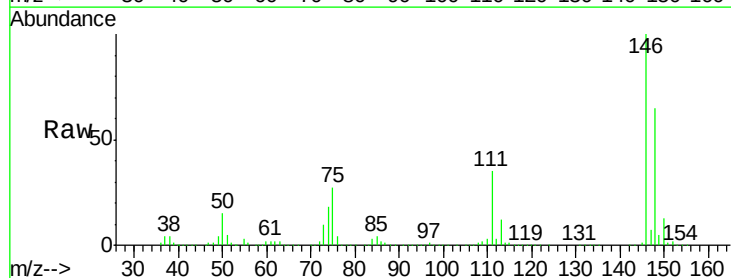
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

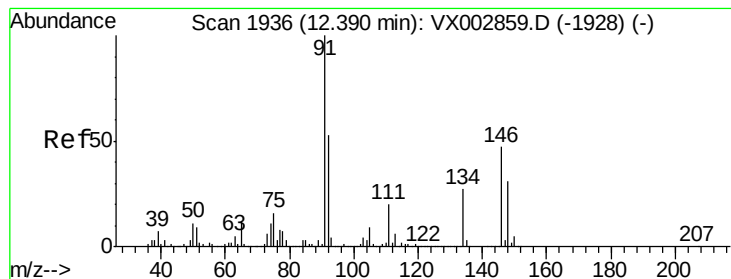
Tot Ion:146 Resp: 410141
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:146 Resp: 418526
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.7 56.1
 148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 53.84 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

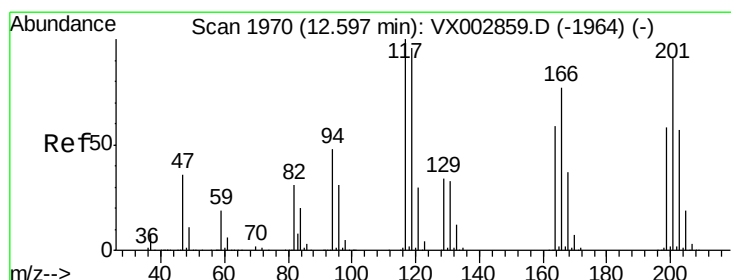
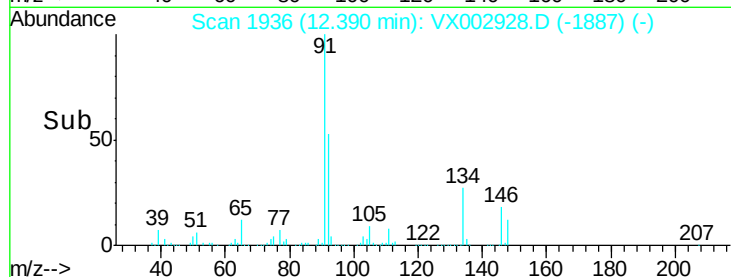
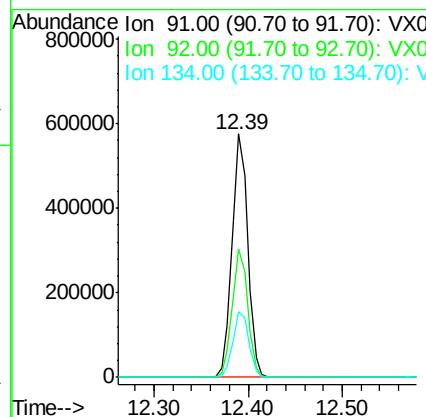
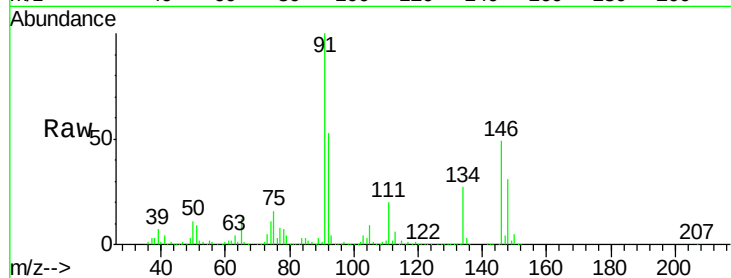
Tot Ion: 91 Resp: 669559

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

134 27.4 13.5 40.5



#90

Hexachloroethane

Concen: 53.01 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX002928.D

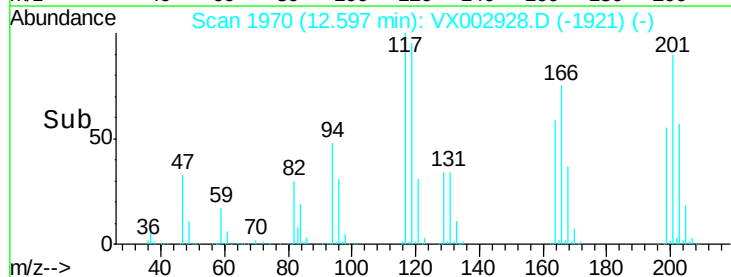
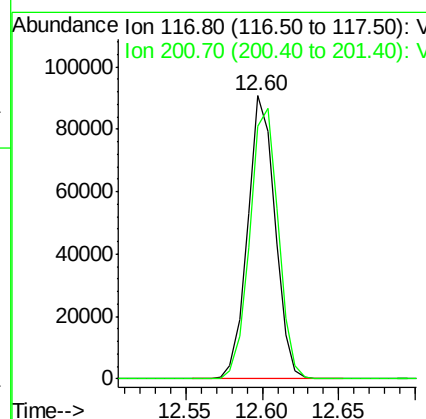
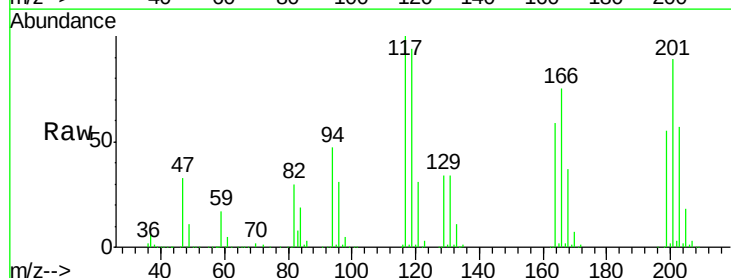
Acq: 27 Jun 2018 10:11

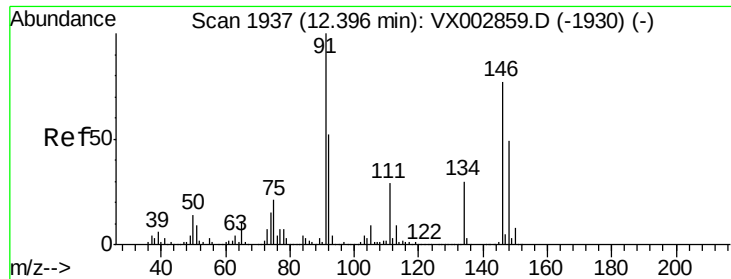
Tgt Ion: 117 Resp: 112654

Ion Ratio Lower Upper

117 100

201 99.3 49.0 147.0

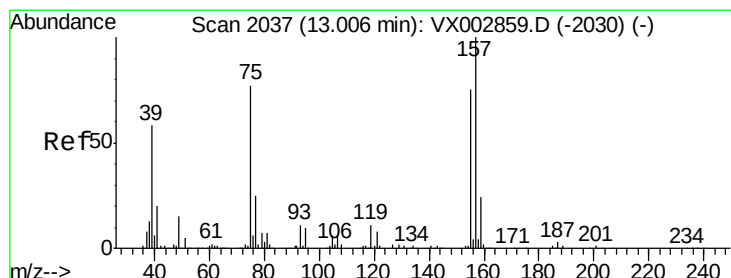
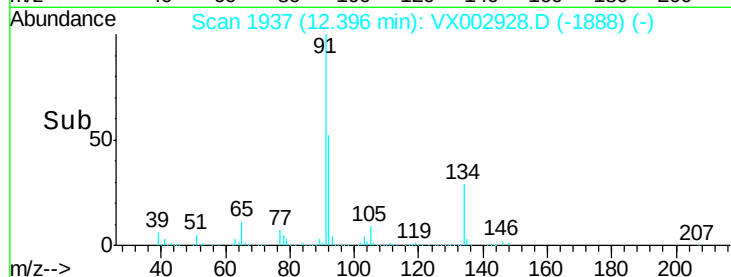
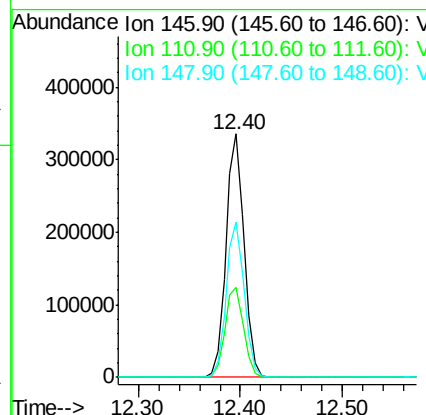
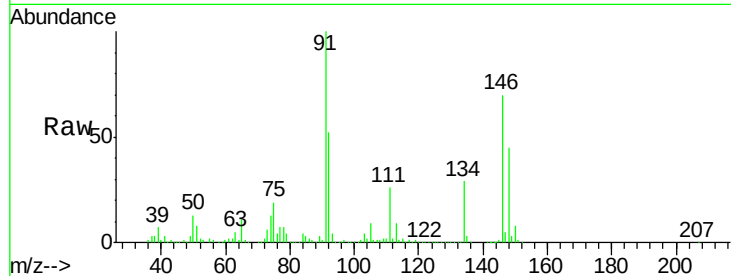




#91
 1,2-Dichlorobenzene
 Concen: 49.90 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

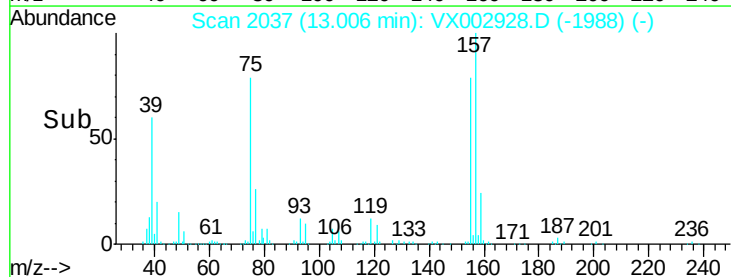
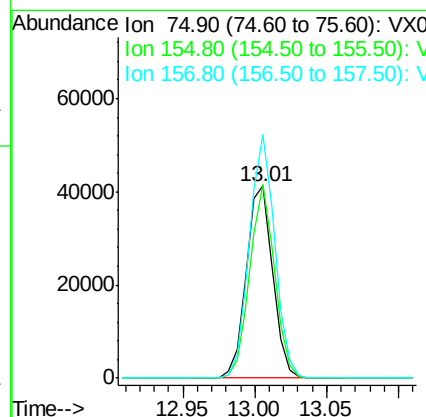
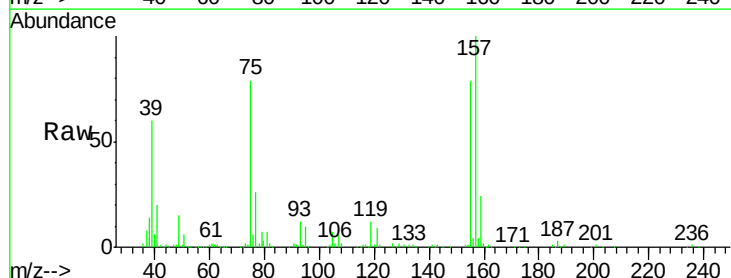
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

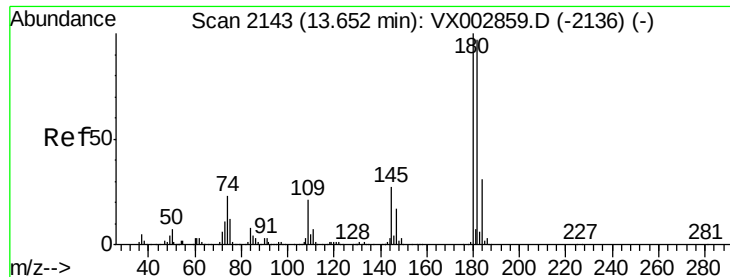
Tot Ion:146 Resp: 413437
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.1
 148 63.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.81 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 75 Resp: 52254
 Ion Ratio Lower Upper
 75 100
 155 94.3 45.8 137.4
 157 121.5 60.1 180.3

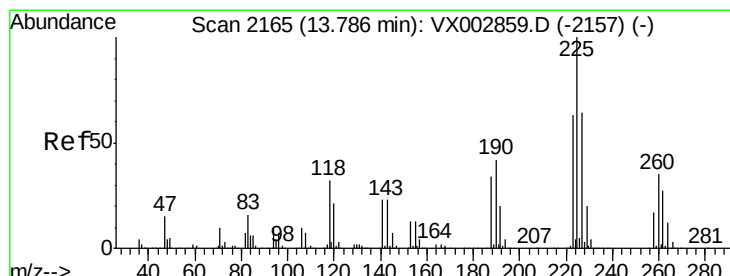
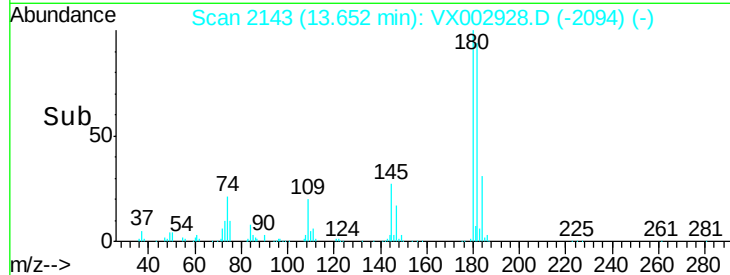
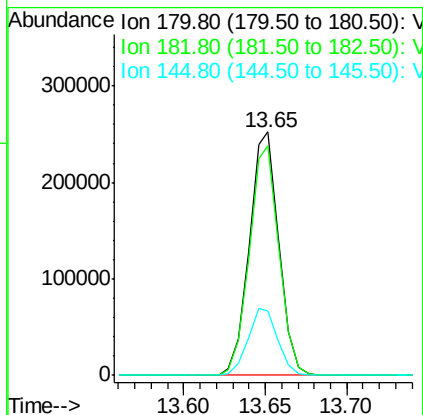
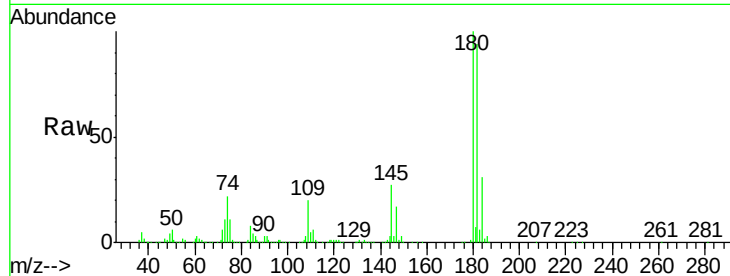




#93
 1,2,4-Trichlorobenzene
 Concen: 52.52 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

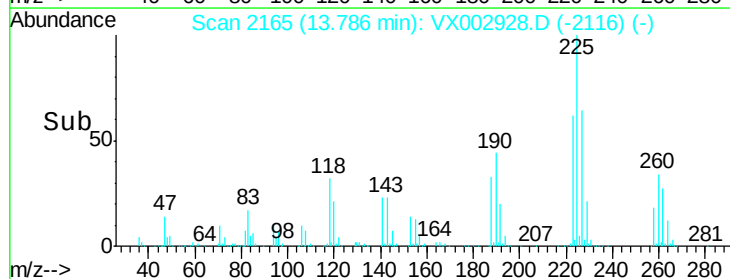
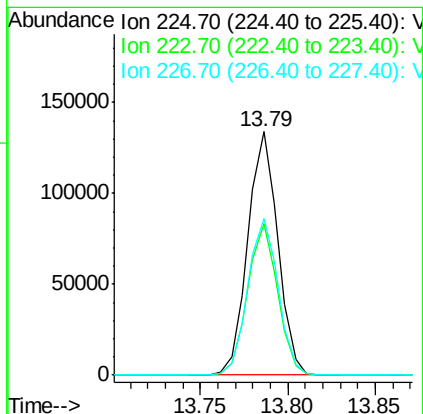
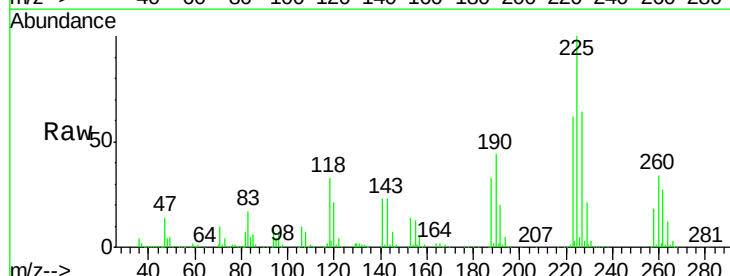
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

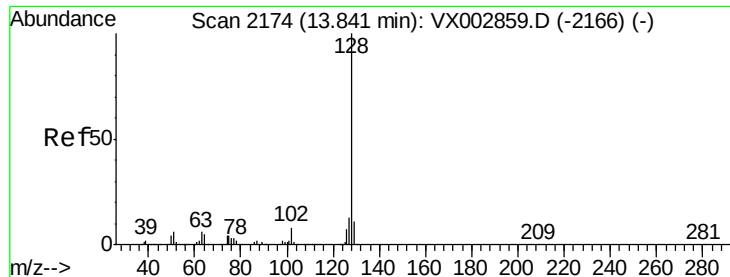
Tot Ion:180 Resp: 316708
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 53.01 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002928.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:225 Resp: 159412
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 95.0
 227 64.9 32.4 97.2





#95

Naphthalene

Concen: 51.70 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

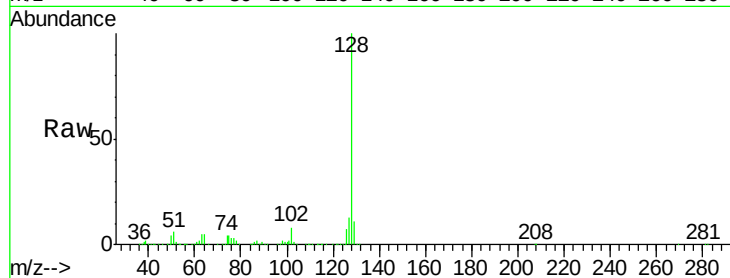
Tot Ion:128 Resp: 830239

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

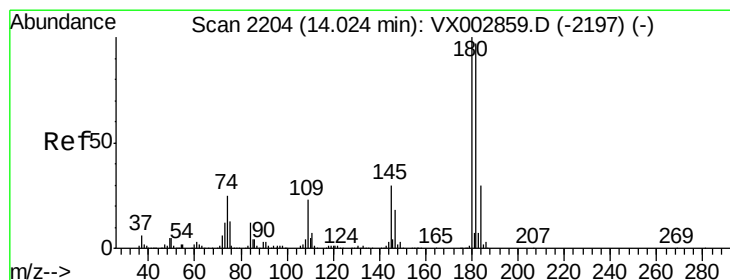
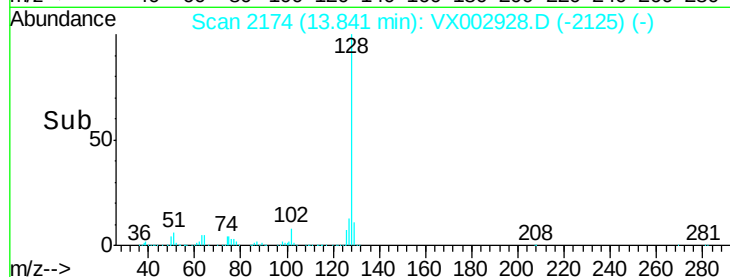
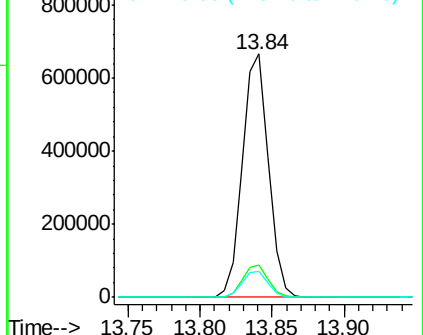
129 10.9 8.6 13.0



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: 51.79 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002928.D

Acq: 27 Jun 2018 10:11

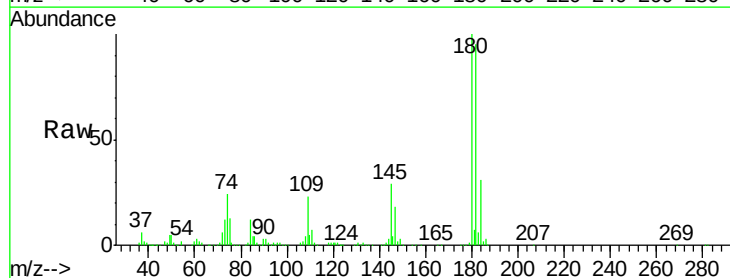
Tgt Ion:180 Resp: 311898

Ion Ratio Lower Upper

180 100

182 95.5 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

