

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004317.D
 Acq On : 30 Aug 2018 12:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 30 15:19:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	327704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	454485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	206695	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	180364	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	8.71	98	676995	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.14	95	258444	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	170191	44.84	ug/l	97
3) Chloromethane	1.32	50	178277	42.54	ug/l	99
4) Vinyl Chloride	1.40	62	189416	44.11	ug/l	100
5) Bromomethane	1.64	94	90717	42.56	ug/l	99
6) Chloroethane	1.72	64	124736	40.36	ug/l	98
7) Trichlorofluoromethane	1.92	101	257593	43.78	ug/l	95
8) Diethyl Ether	2.18	74	111542	44.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	165426	44.89	ug/l	99
10) Methyl Iodide	2.51	142	174020	42.54	ug/l	98
11) Tert butyl alcohol	3.06	59	186958	205.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	147905	42.60	ug/l	98
13) Acrolein	2.29	56	38048	173.34	ug/l	100
14) Allyl chloride	2.72	41	285066	44.69	ug/l	99
15) Acrylonitrile	3.15	53	485470	215.31	ug/l	100
16) Acetone	2.44	43	550541	317.95	ug/l	100
17) Carbon Disulfide	2.57	76	389486	40.55	ug/l	99
18) Methyl Acetate	2.77	43	329640	52.01	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	510196	44.59	ug/l	96
20) Methylene Chloride	2.86	84	174761	42.50	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	160614	41.80	ug/l	98
22) Diisopropyl ether	3.87	45	542789	45.58	ug/l	97
23) Vinyl Acetate	3.82	43	2142610	221.98	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308414	44.44	ug/l	99
25) 2-Butanone	4.70	43	714926	249.80	ug/l	97
26) 2,2-Dichloropropane	4.58	77	248519	45.65	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	189569	43.50	ug/l	100
28) Bromochloromethane	5.01	49	149484	48.65	ug/l	97
29) Tetrahydrofuran	5.15	42	401681	218.89	ug/l	100
30) Chloroform	5.21	83	310070	44.56	ug/l	99
31) Cyclohexane	5.57	56	264671	44.20	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	259380	44.70	ug/l	99
36) 1,1-Dichloropropene	5.79	75	235160	46.02	ug/l	99
37) Ethyl Acetate	4.85	43	231006	45.97	ug/l	100
38) Carbon Tetrachloride	5.78	117	229053	47.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	270334	46.34	ug/l	99
40) Benzene	6.14	78	712132	46.64	ug/l	100
41) Methacrylonitrile	5.06	41	140318	48.17	ug/l	98
42) 1,2-Dichloroethane	6.20	62	239325	45.96	ug/l	99
43) Isopropyl Acetate	6.46	43	367898	47.65	ug/l	100
44) Trichloroethene	7.21	130	191604	45.34	ug/l	97
45) 1,2-Dichloropropane	7.51	63	184759	48.35	ug/l	98
46) Dibromomethane	7.66	93	116897	45.95	ug/l	99
47) Bromodichloromethane	7.90	83	230675	48.73	ug/l	99
48) Methyl methacrylate	7.77	41	199264	48.23	ug/l	99
49) 1,4-Dioxane	7.75	88	84090	896.42	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1266024	225.66	ug/l	100
52) Toluene	8.79	92	454398	47.55	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	257750	49.29	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	283509	49.78	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	184543	47.83	ug/l	99
56) Ethyl methacrylate	9.18	69	263883	50.25	ug/l	99
57) 1,3-Dichloropropane	9.37	76	309874	47.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1062184	394.73	ug/l	99
59) 2-Hexanone	9.49	43	1016348	237.46	ug/l	100
60) Dibromochloromethane	9.59	129	184942	49.20	ug/l	100
61) 1,2-Dibromoethane	9.67	107	190240	47.65	ug/l	98
64) Tetrachloroethene	9.34	164	189263	45.62	ug/l	99
65) Chlorobenzene	10.14	112	476623	45.22	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	174454	47.99	ug/l	99
67) Ethyl Benzene	10.25	91	840987	49.13	ug/l	99
68) m/p-Xylenes	10.36	106	655363	97.91	ug/l	100
69) o-Xylene	10.70	106	324529	51.26	ug/l	95
70) Styrene	10.71	104	540986	52.77	ug/l	99
71) Bromoform	10.86	173	143626	49.01	ug/l	99
73) Isopropylbenzene	11.02	105	886281	49.45	ug/l	100
74) N-amyl acetate	10.90	43	325460	47.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	284180	45.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	329337	59.35	ug/l	85
77) Bromobenzene	11.26	156	229628	45.68	ug/l	98
78) n-propylbenzene	11.36	91	1020742	49.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	599054	47.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	725696	48.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83299	48.70	ug/l	98
82) 4-Chlorotoluene	11.51	91	709963	47.56	ug/l	99
83) tert-Butylbenzene	11.77	119	733447	49.12	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	764654	50.19	ug/l	100
85) sec-Butylbenzene	11.94	105	886342	50.00	ug/l	100
86) p-Isopropyltoluene	12.07	119	805339	50.69	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	441994	46.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	446117	44.70	ug/l	100
89) n-Butylbenzene	12.39	91	663734	51.38	ug/l	100
90) Hexachloroethane	12.60	117	112725	50.76	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	415065	47.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52750	47.75	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

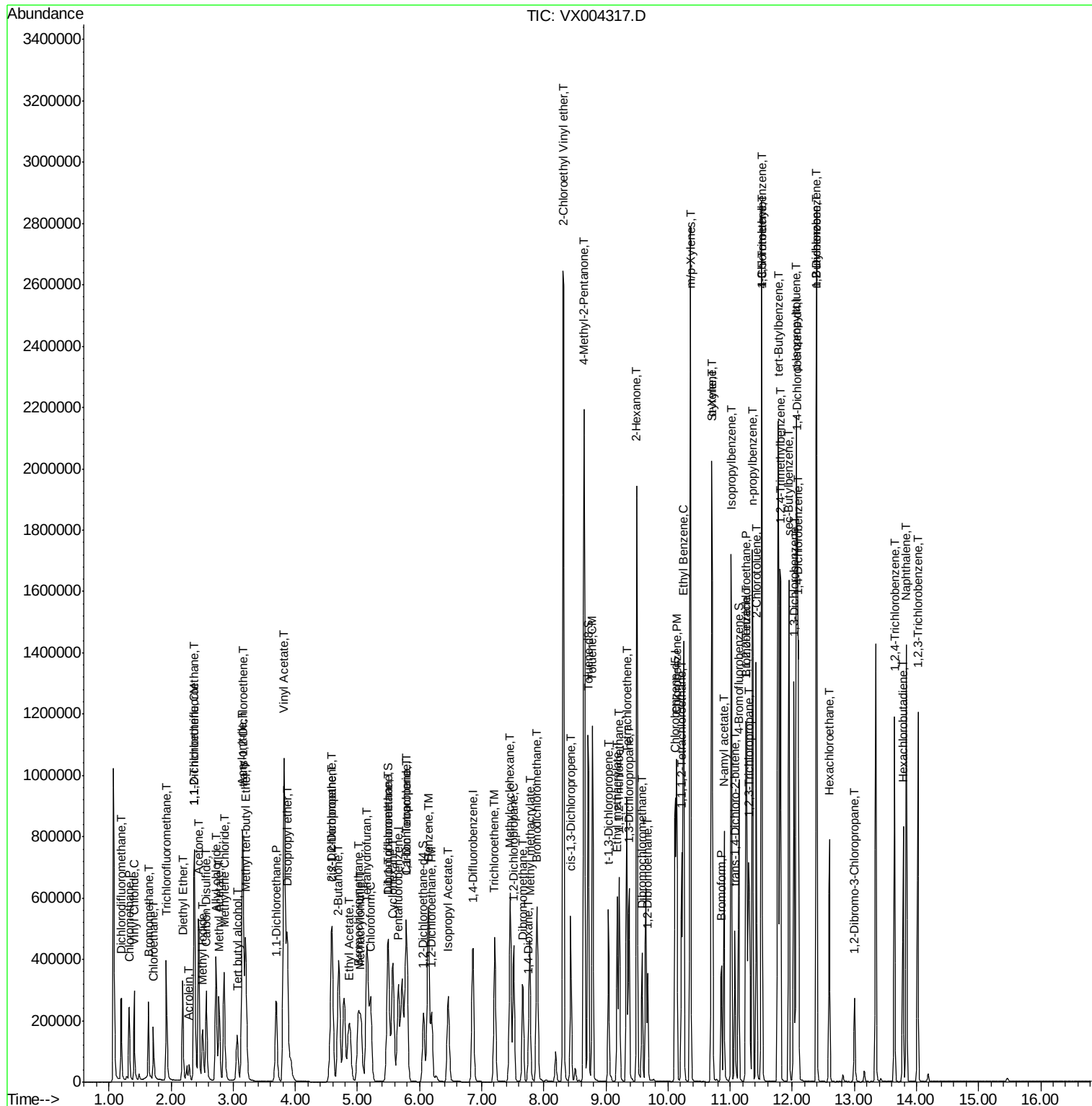
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285313	45.33	ug/l	96
94) Hexachlorobutadiene	13.79	225	135779	46.36	ug/l	94
95) Naphthalene	13.83	128	867829	48.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	321756	48.29	ug/l	98

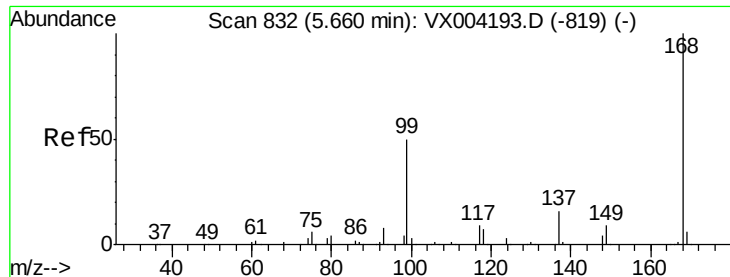
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

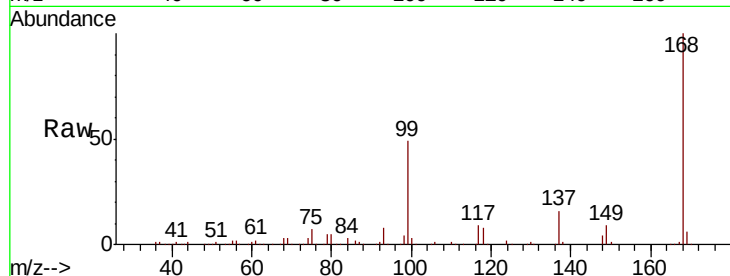
VSTDCCC050

Tot Ion:168 Resp: 327704

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

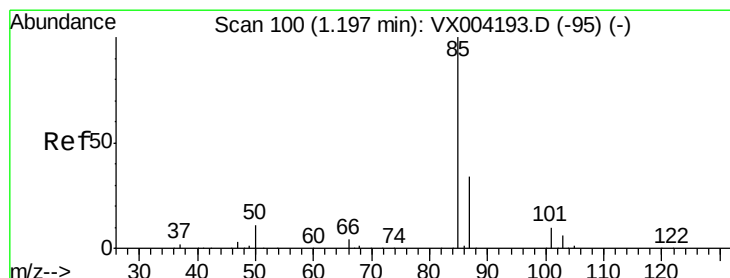
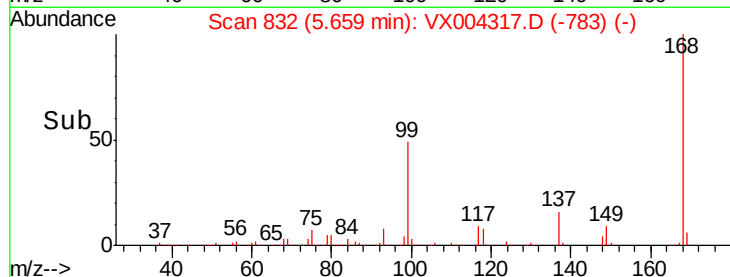
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004317.D

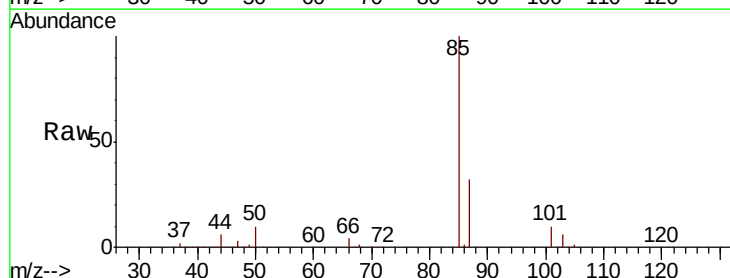
Acq: 30 Aug 2018 12:00

Tgt Ion: 85 Resp: 170191

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

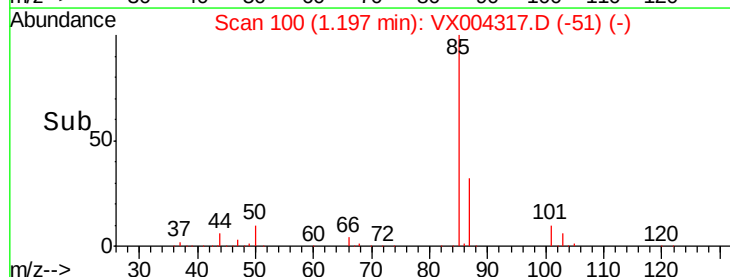
150000

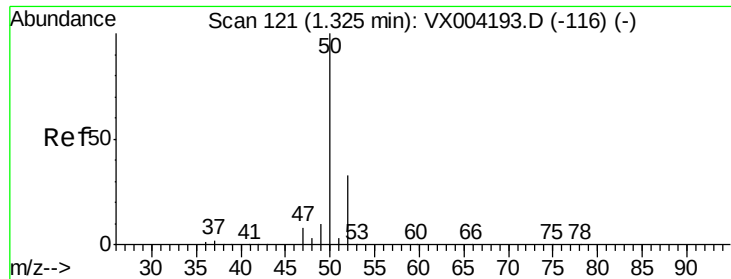
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

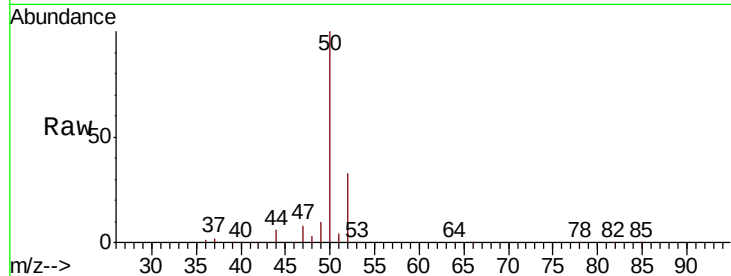
VSTDCCC050

Tot Ion: 50 Resp: 178277

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

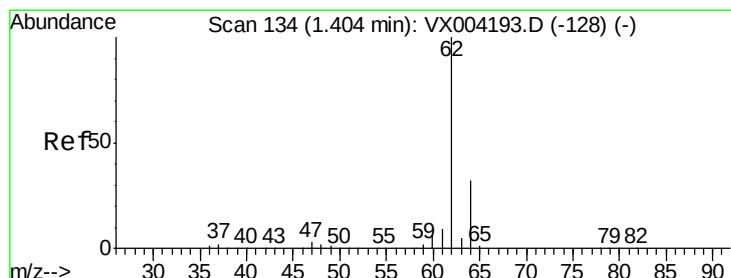
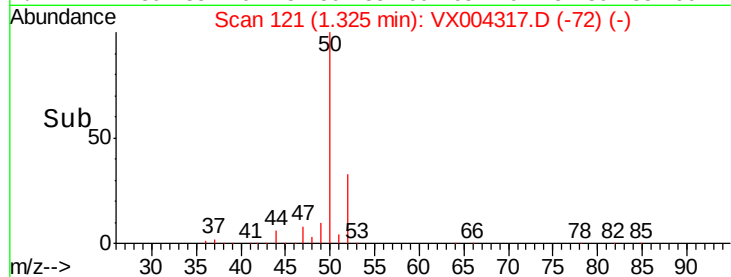
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 44.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004317.D

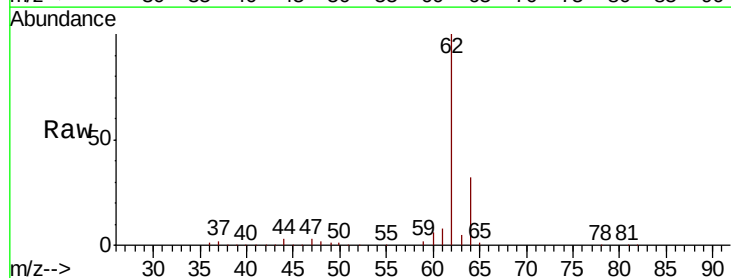
Acq: 30 Aug 2018 12:00

Tgt Ion: 62 Resp: 189416

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

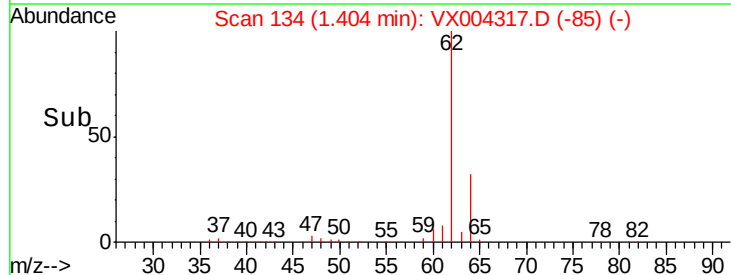
150000

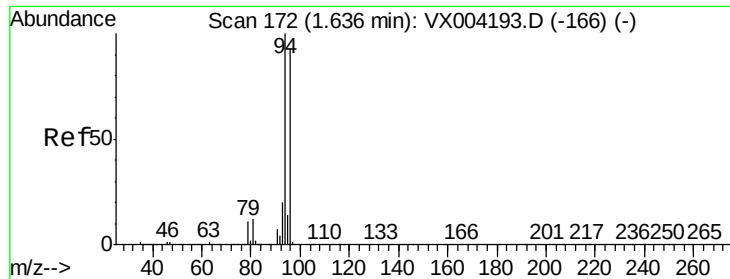
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 42.56 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

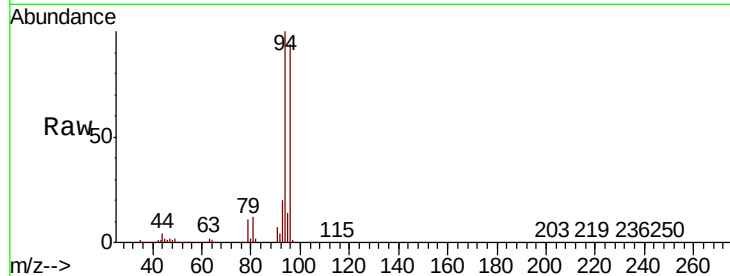
VSTDCCC050

Tot Ion: 94 Resp: 90717

Ion Ratio Lower Upper

94 100

96 93.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

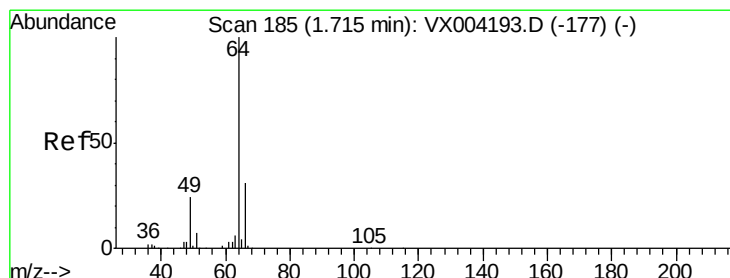
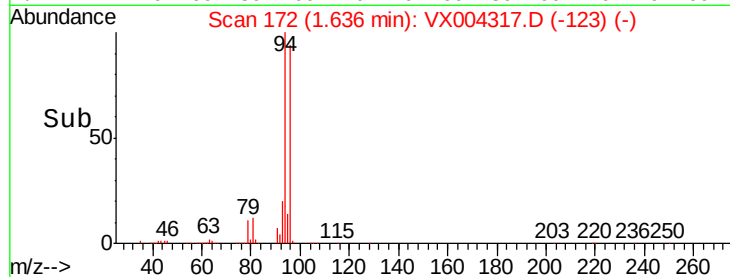
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 40.36 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004317.D

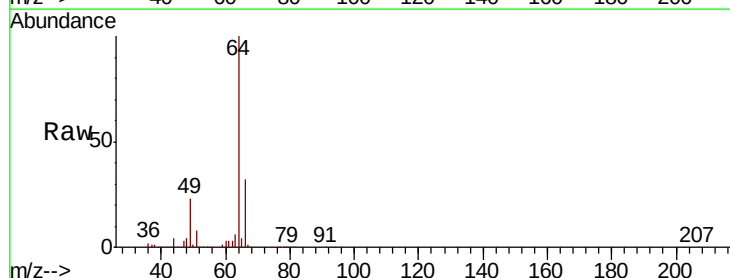
Acq: 30 Aug 2018 12:00

Tgt Ion: 64 Resp: 124736

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

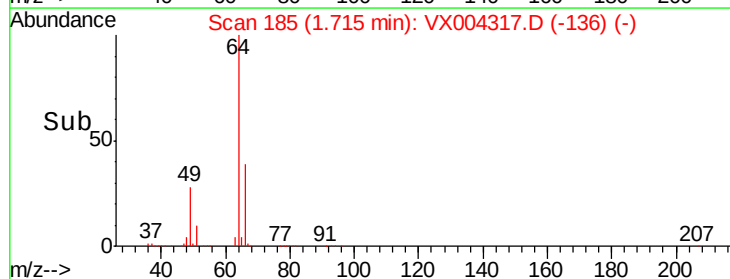
60000

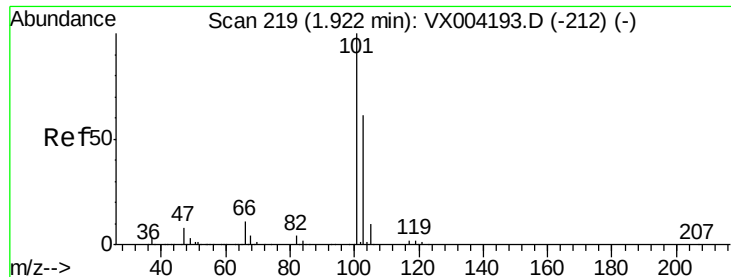
40000

20000

0

Time--> 1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 43.78 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

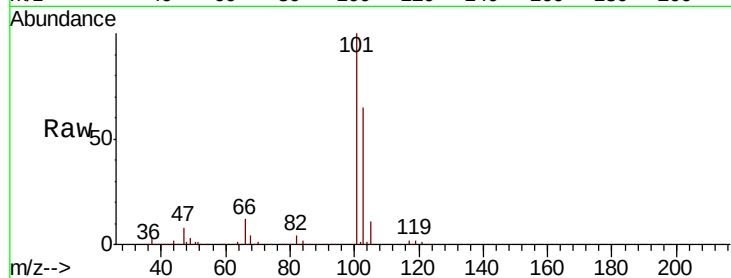
VSTDCCC050

Tot Ion:101 Resp: 257593

Ion Ratio Lower Upper

101 100

103 64.6 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

200000

150000

100000

50000

0

1.92

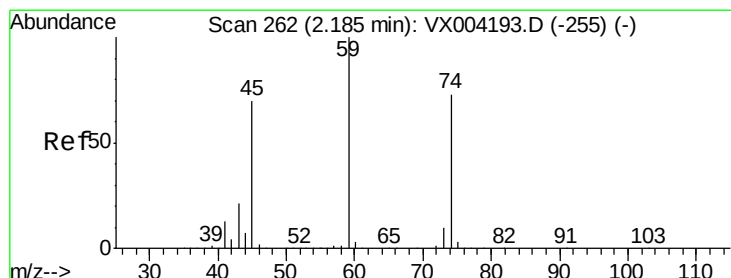
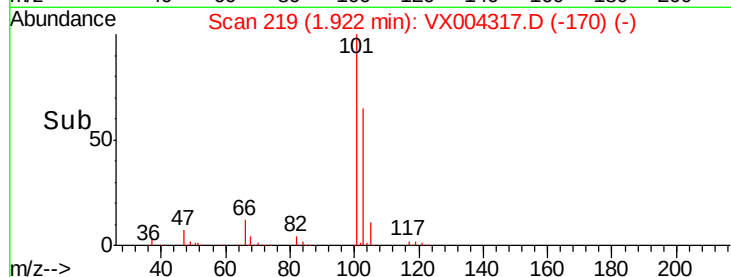
1.80

1.90

2.00

2.10

Time-->



#8

Diethyl Ether

Concen: 44.27 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004317.D

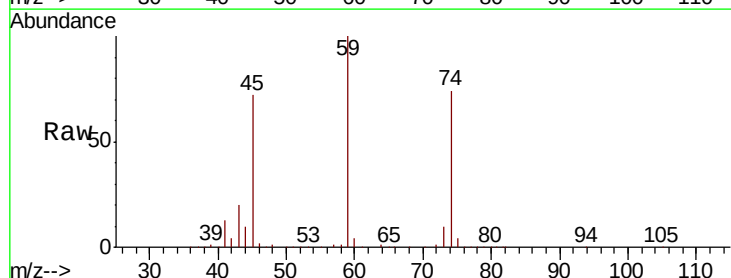
Acq: 30 Aug 2018 12:00

Tgt Ion: 74 Resp: 111542

Ion Ratio Lower Upper

74 100

45 96.9 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

80000

60000

40000

20000

0

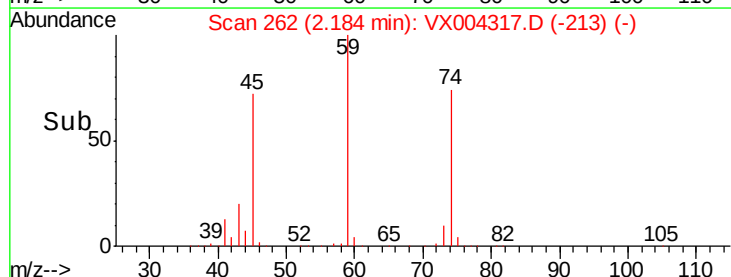
2.18

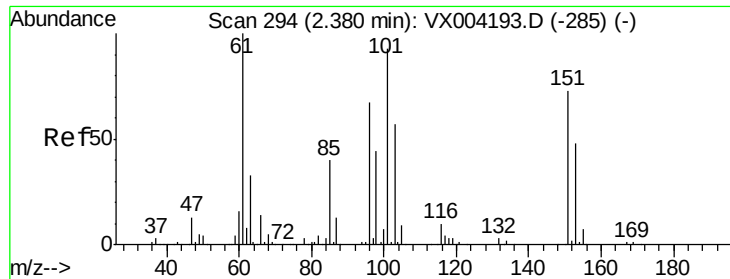
2.10

2.20

2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004317.D

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ClientSampleId :

VSTDCCC050

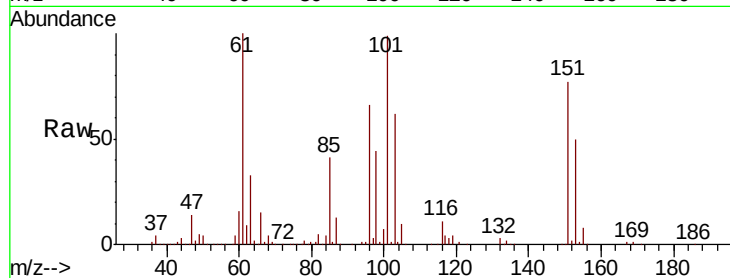
Tot Ion:101 Resp: 165426

Ion Ratio Lower Upper

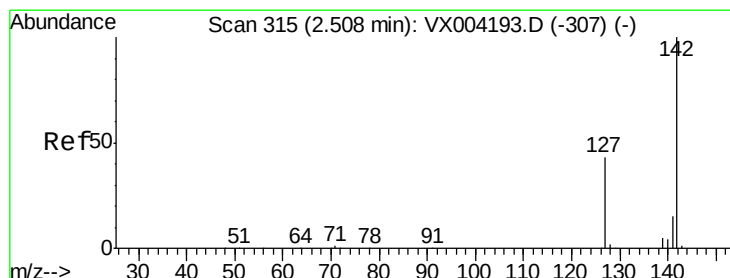
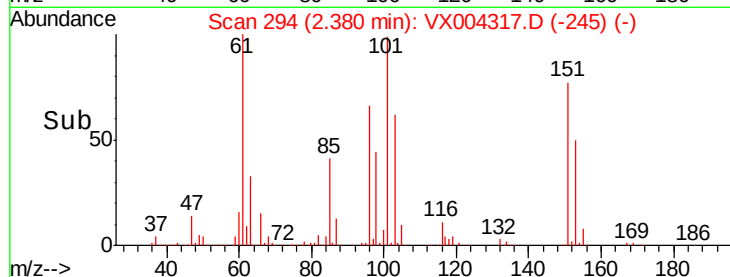
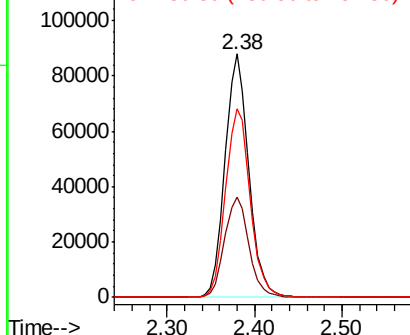
101 100

85 42.3 34.2 51.4

151 80.7 65.0 97.6



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: 42.54 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

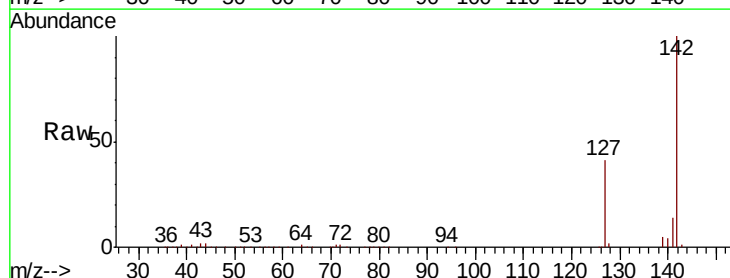
Tgt Ion:142 Resp: 174020

Ion Ratio Lower Upper

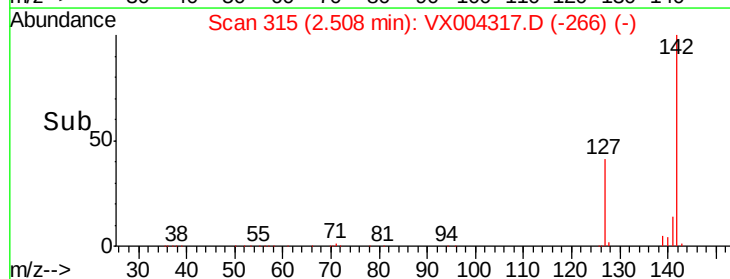
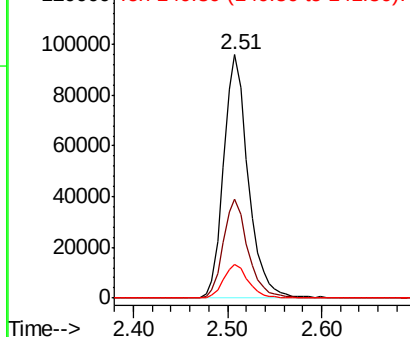
142 100

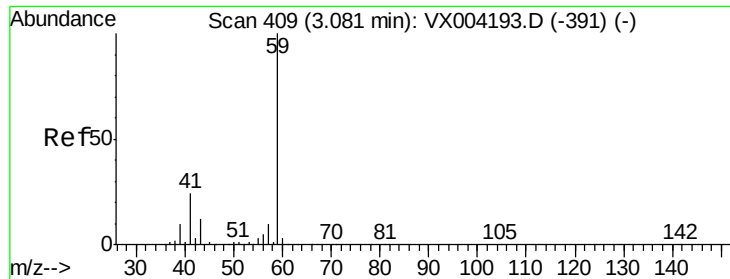
127 40.9 33.8 50.6

141 14.1 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

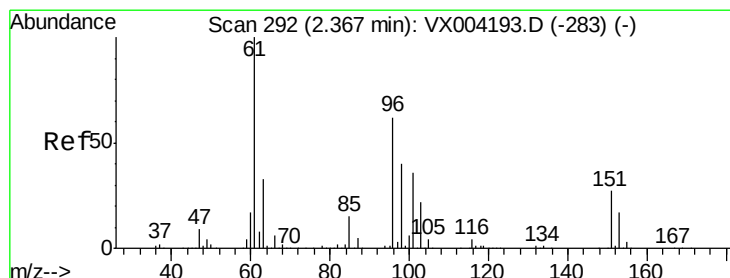
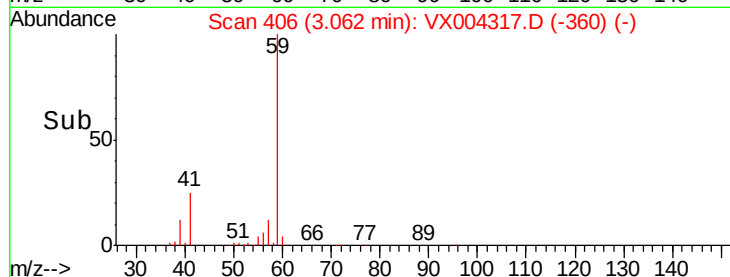
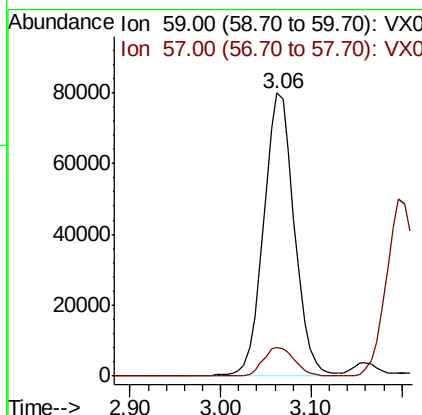
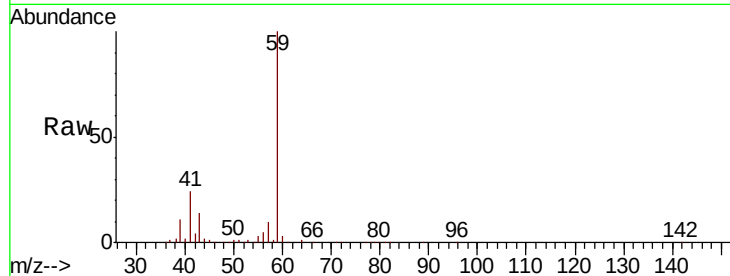




#11
Tert butyl alcohol
Concen: 205.34 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

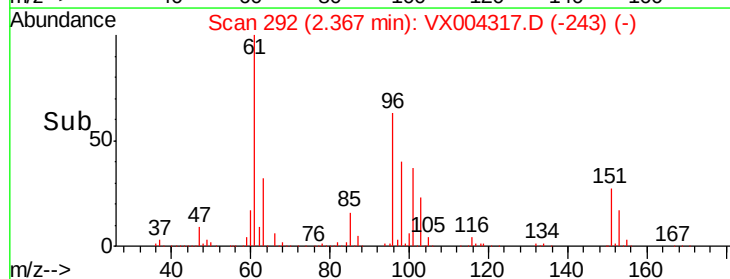
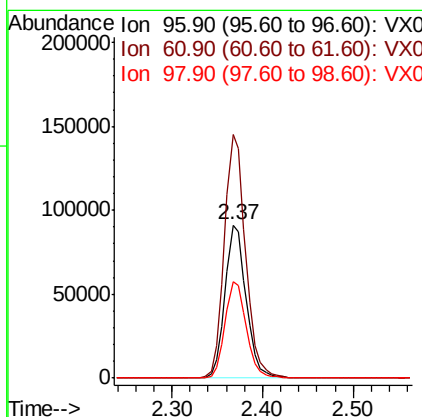
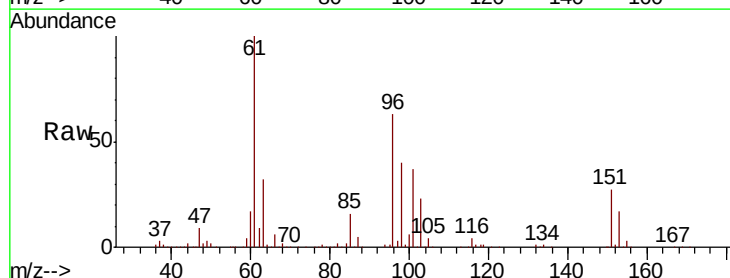
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

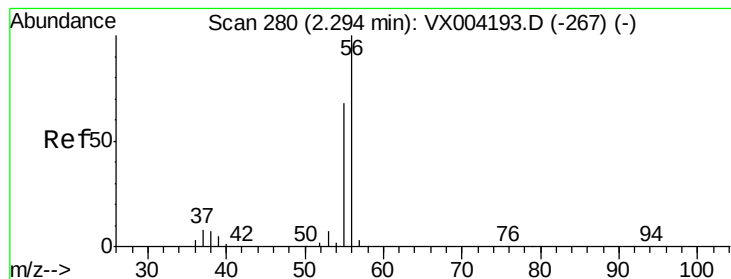
Tot Ion: 59 Resp: 186958
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 42.60 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 96 Resp: 147905
Ion Ratio Lower Upper
96 100
61 158.9 128.8 193.2
98 63.0 52.2 78.2





#13

Acrolein

Concen: 173.34 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

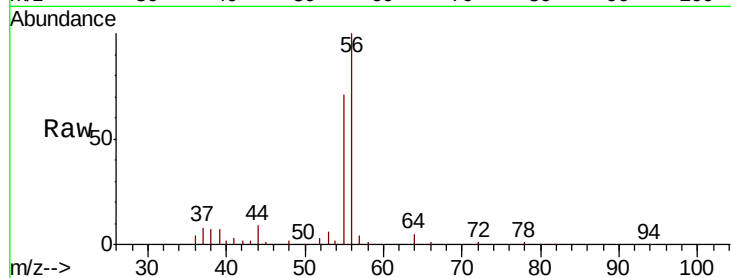
VSTDCCC050

Tot Ion: 56 Resp: 38048

Ion Ratio Lower Upper

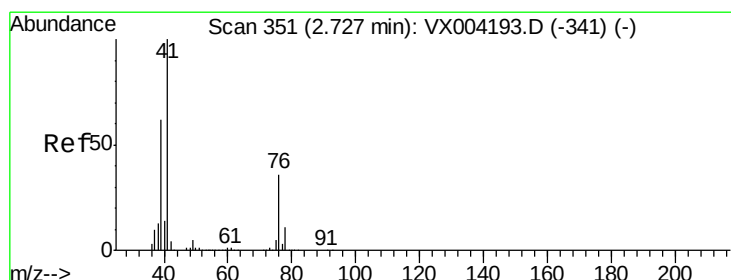
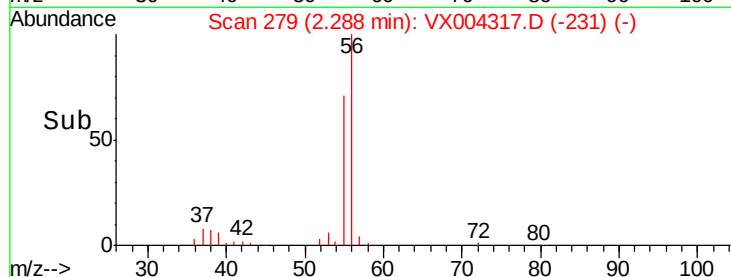
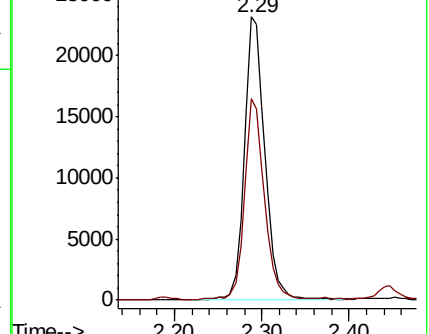
56 100

55 68.2 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.69 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

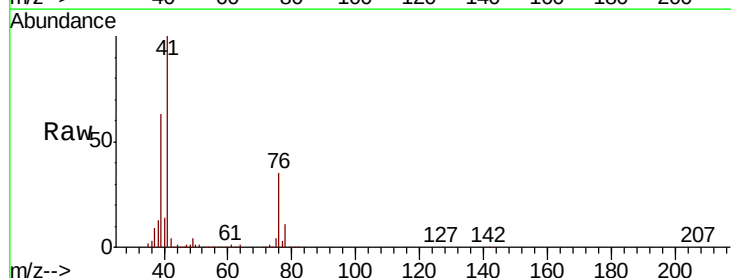
Tgt Ion: 41 Resp: 285066

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

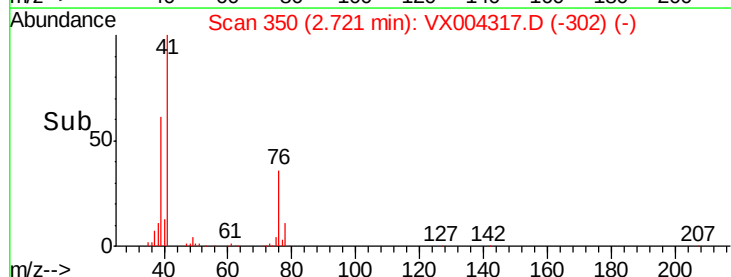
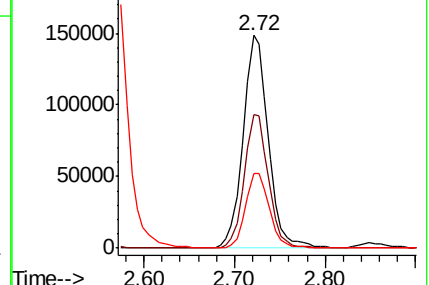
76 33.1 26.7 40.1

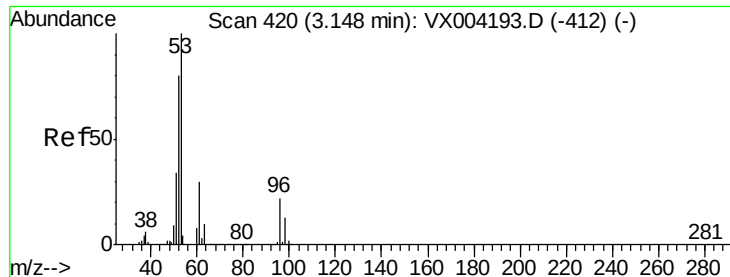


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

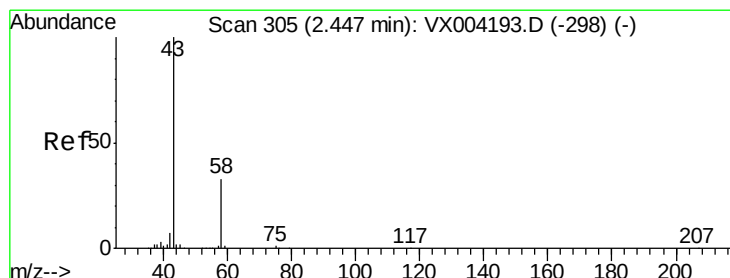
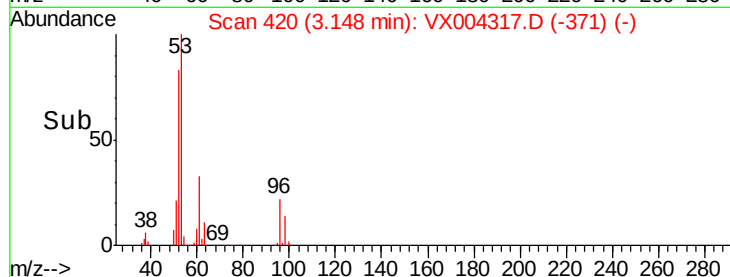
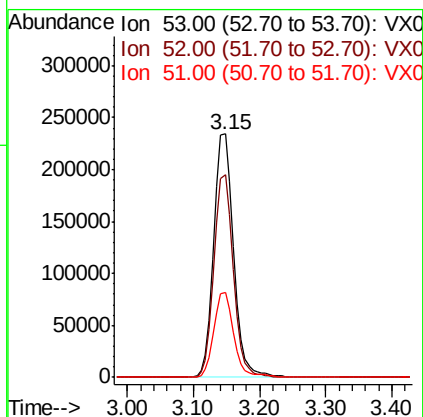
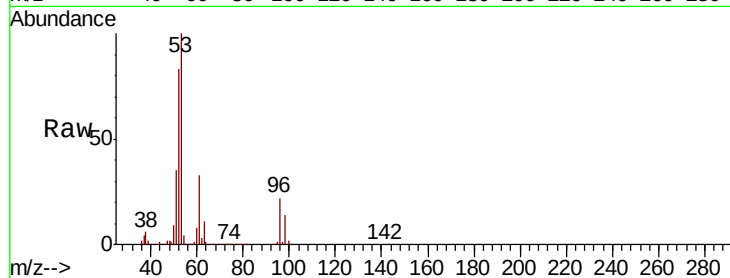




#15
 Acrylonitrile
 Concen: 215.31 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

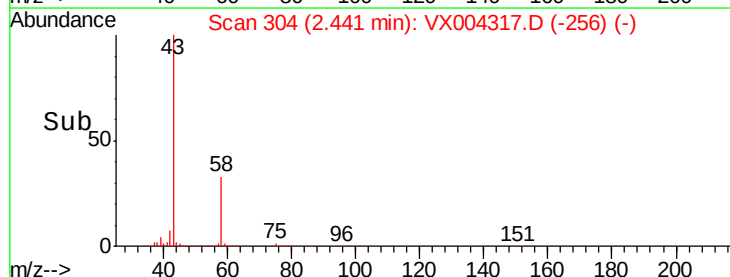
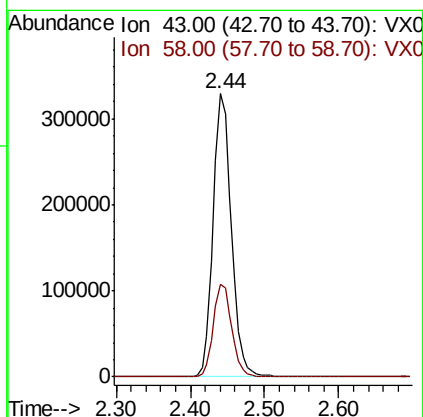
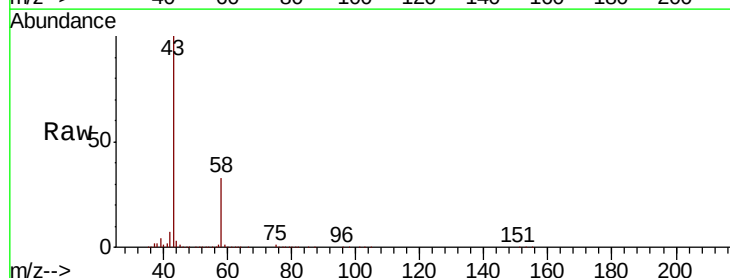
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

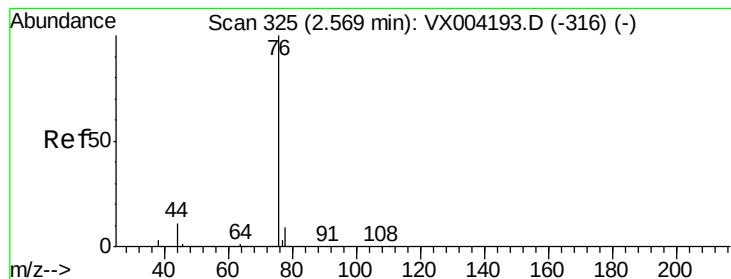
Tot Ion	53	Resp	485470
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	34.8	28.2	42.2



#16
 Acetone
 Concen: 317.95 ug/l
 RT: 2.44 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	43	Resp	550541
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.2	39.4





#17

Carbon Disulfide

Concen: 40.55 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

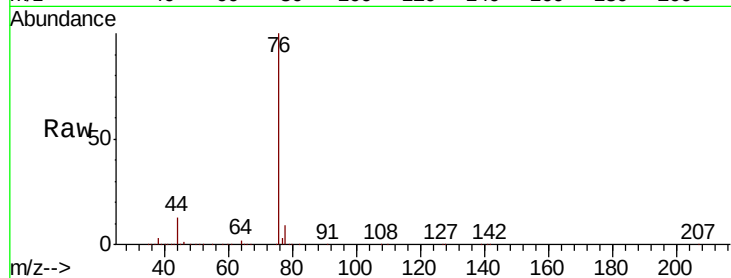
VSTDCCC050

Tot Ion: 76 Resp: 389486

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

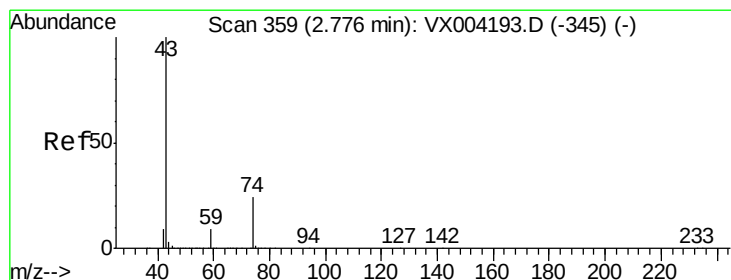
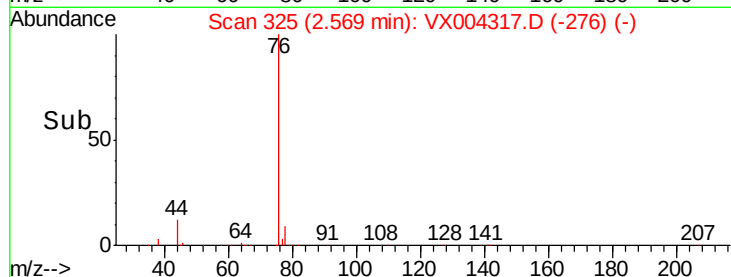
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 52.01 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX004317.D

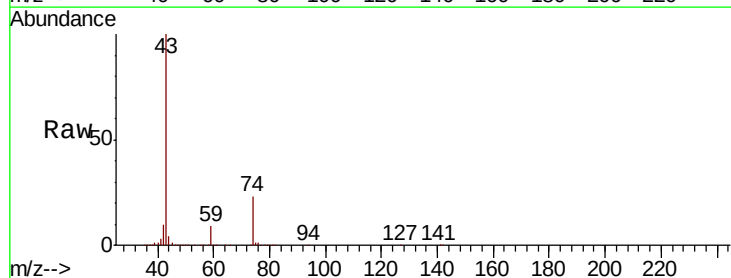
Acq: 30 Aug 2018 12:00

Tgt Ion: 43 Resp: 329640

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

200000

150000

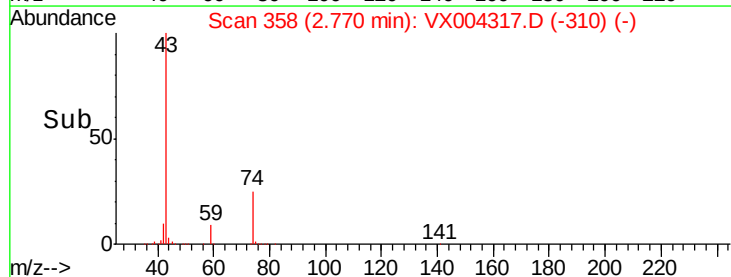
100000

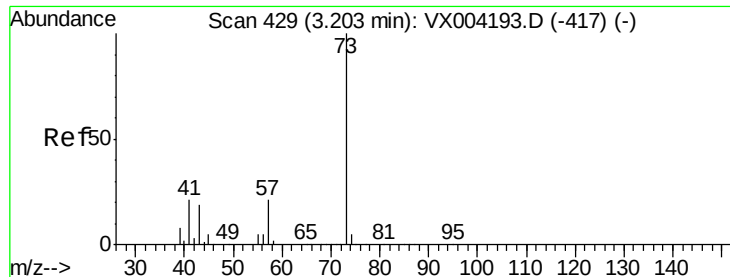
50000

0

Time-->

2.60 2.70 2.80 2.90

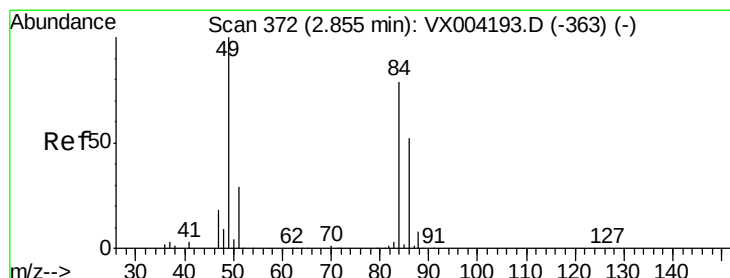
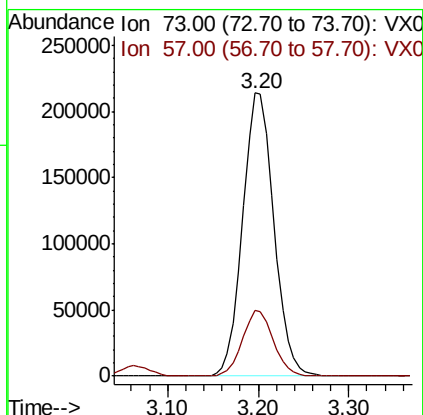
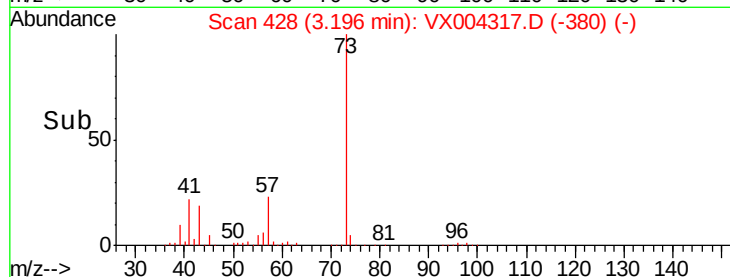
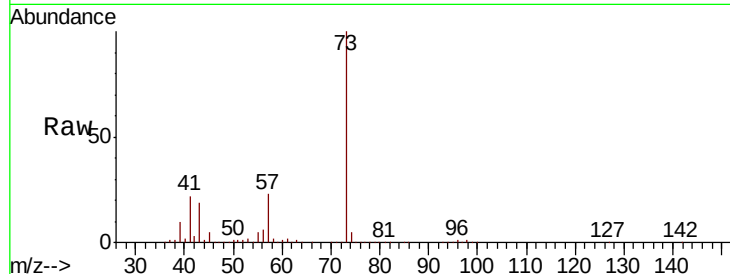




#19
Methyl tert-butyl Ether
Concen: 44.59 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

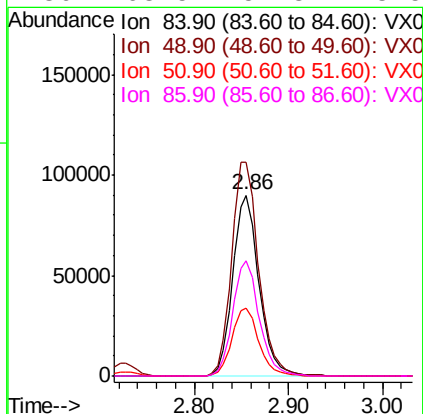
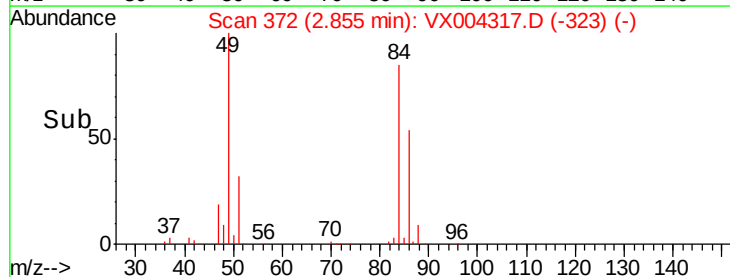
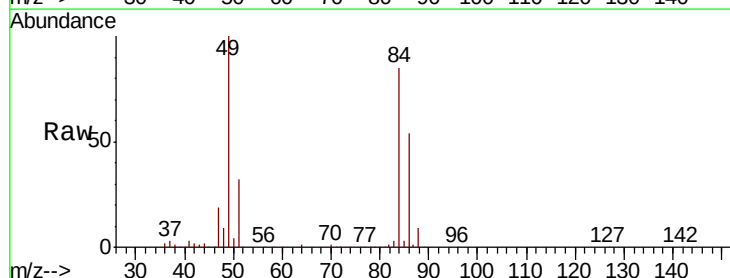
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

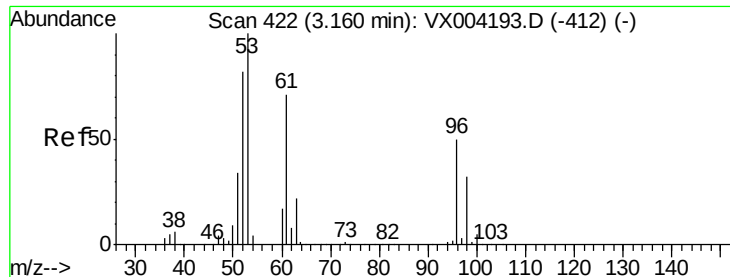
Tot Ion: 73 Resp: 510196
Ion Ratio Lower Upper
73 100
57 23.3 17.1 25.7



#20
Methylene Chloride
Concen: 42.50 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 84 Resp: 174761
Ion Ratio Lower Upper
84 100
49 118.0 101.2 151.8
51 37.2 29.5 44.3
86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 41.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

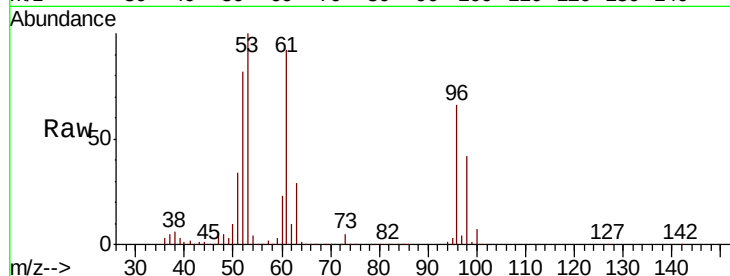
Tot Ion: 96 Resp: 160614

Ion Ratio Lower Upper

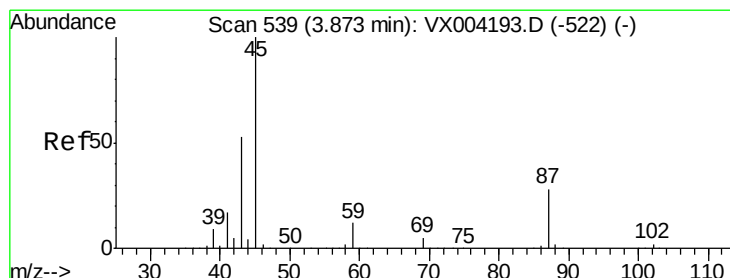
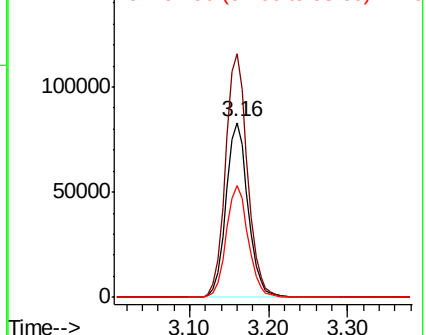
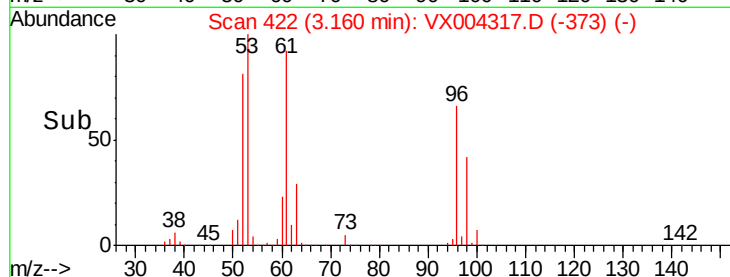
96 100

61 139.3 113.8 170.6

98 64.3 51.8 77.8



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: 45.58 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion: 45 Resp: 542789

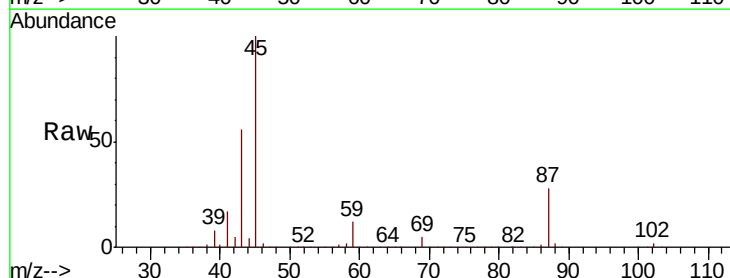
Ion Ratio Lower Upper

45 100

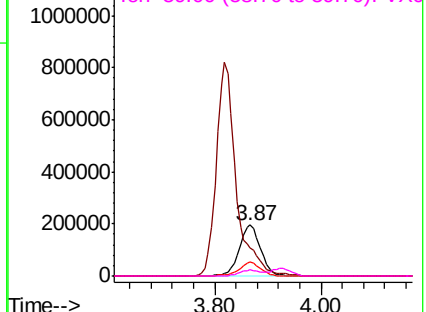
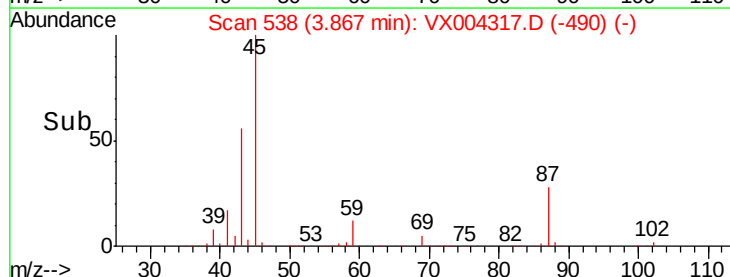
43 56.3 42.8 64.2

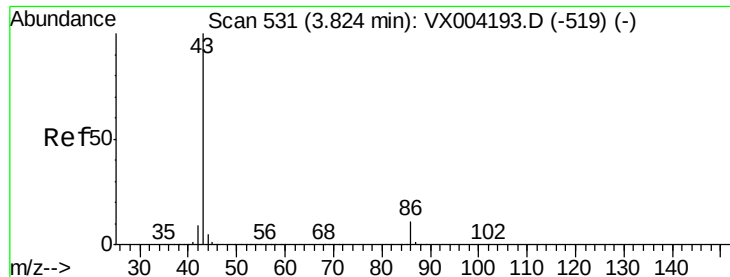
87 27.8 22.6 34.0

59 11.8 9.6 14.4



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

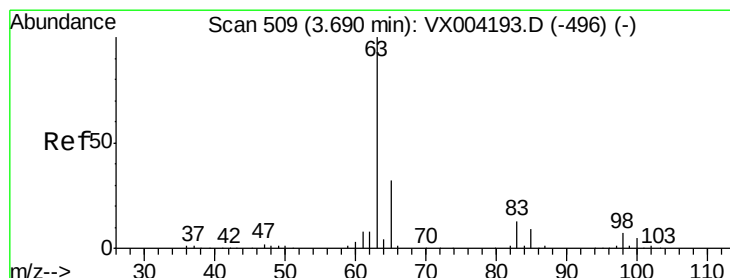
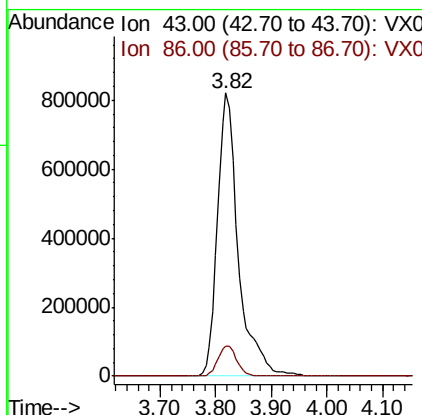
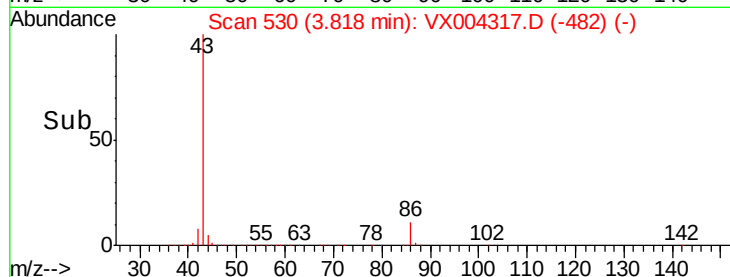
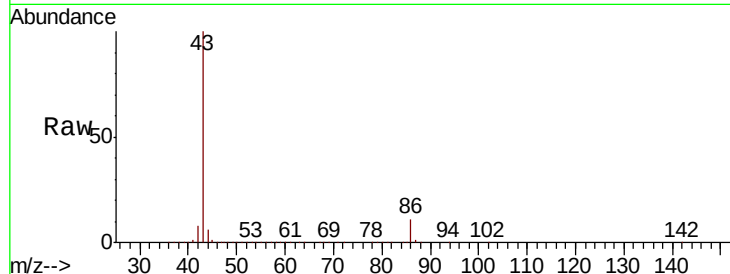




#23
 Vinyl Acetate
 Concen: 221.98 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

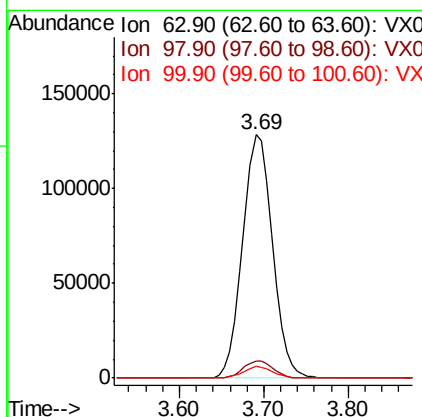
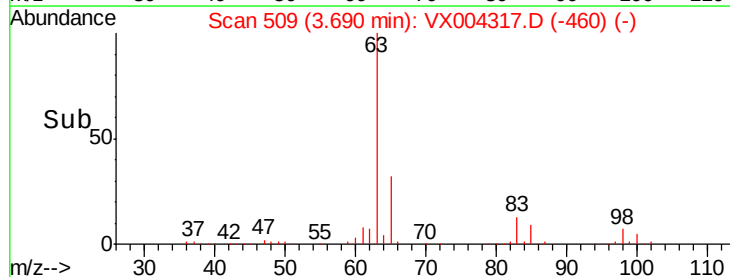
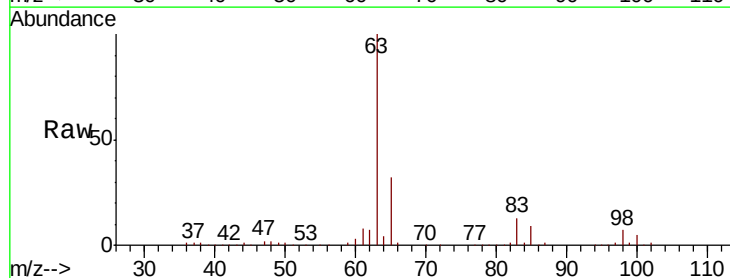
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

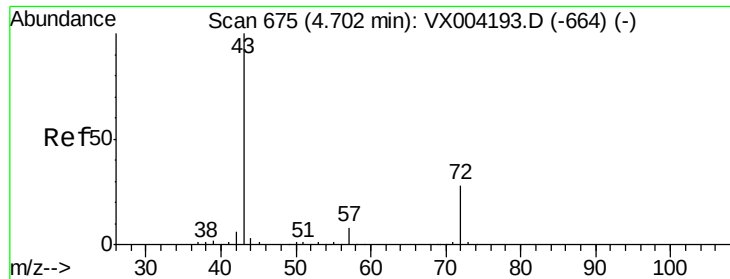
Tot Ion: 43 Resp: 2142610
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 44.44 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 63 Resp: 308414
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.4
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 249.80 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

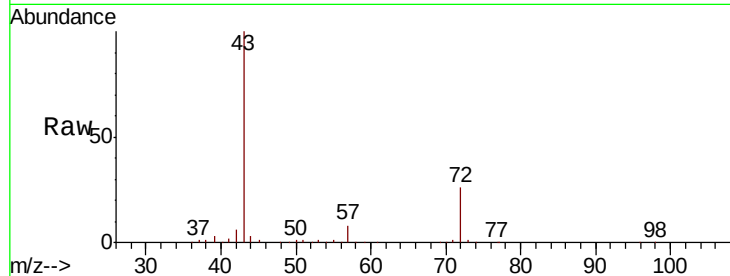
VSTDCCC050

Tot Ion: 43 Resp: 714926

Ion Ratio Lower Upper

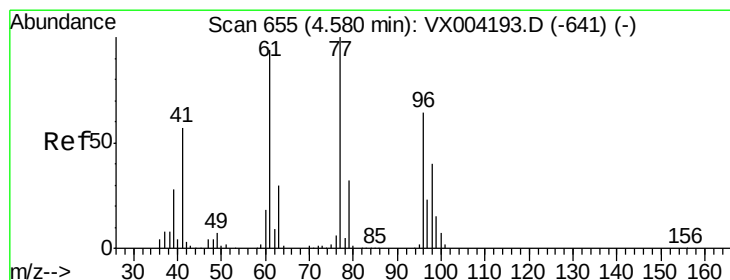
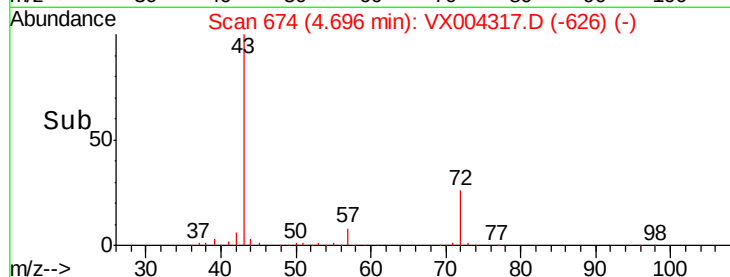
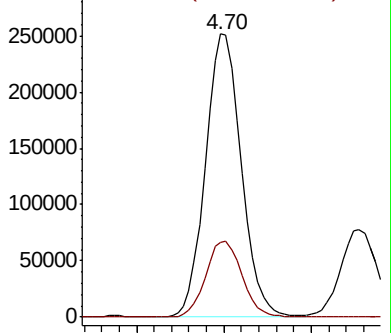
43 100

72 26.1 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.65 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004317.D

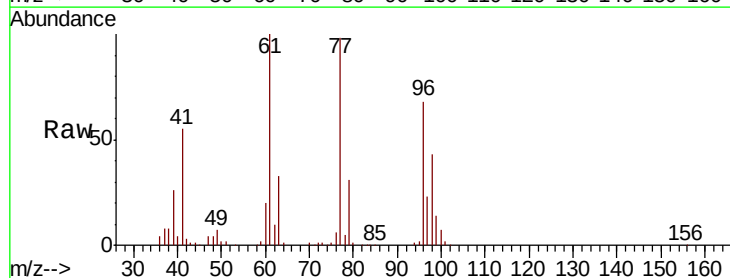
Acq: 30 Aug 2018 12:00

Tgt Ion: 77 Resp: 248519

Ion Ratio Lower Upper

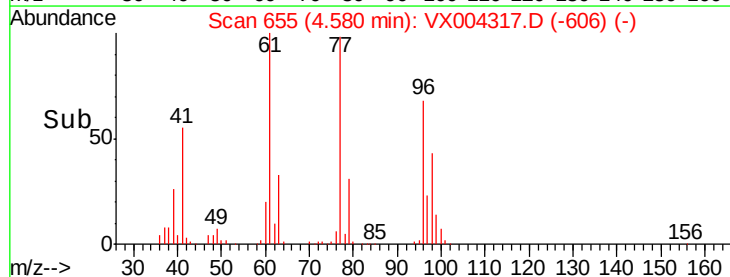
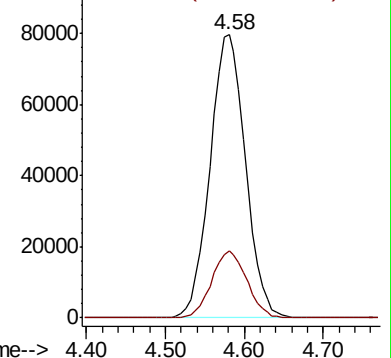
77 100

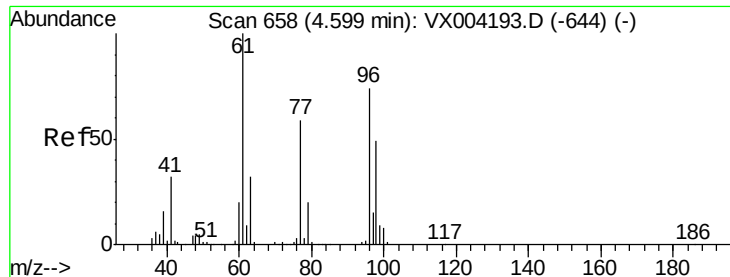
97 23.5 11.7 35.0



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: 43.50 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

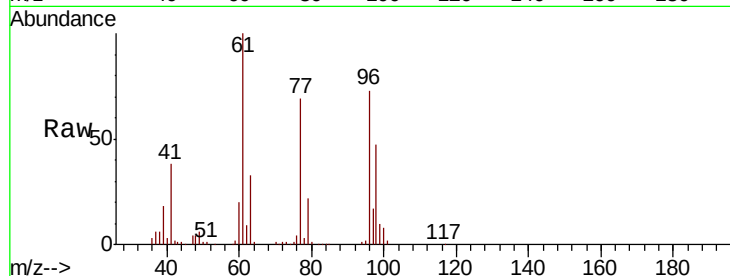
Tot Ion: 96 Resp: 189569

Ion Ratio Lower Upper

96 100

61 141.7 0.0 282.6

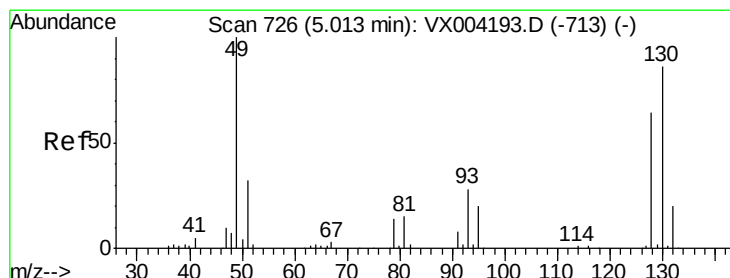
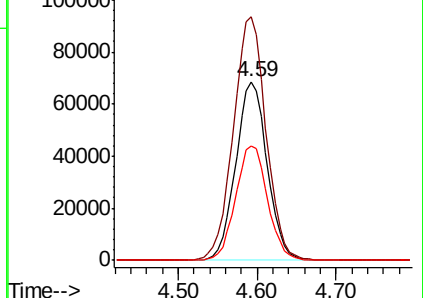
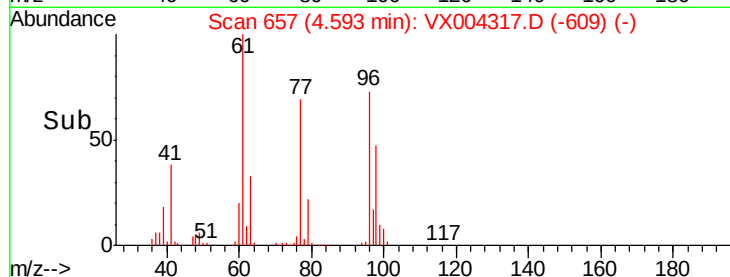
98 65.2 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 48.65 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

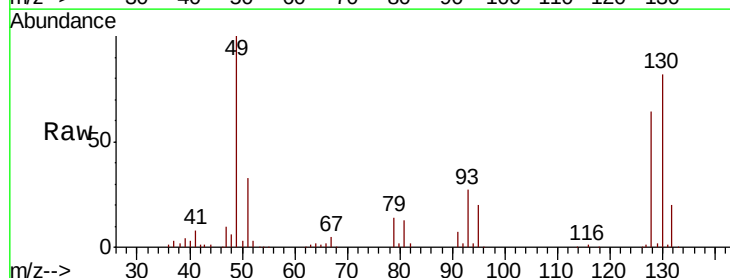
Tgt Ion: 49 Resp: 149484

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

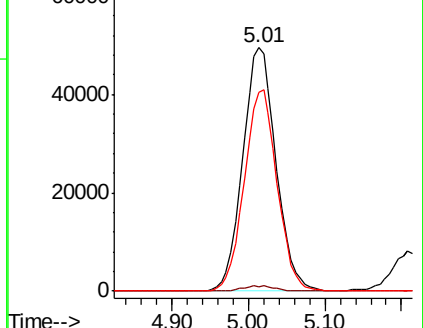
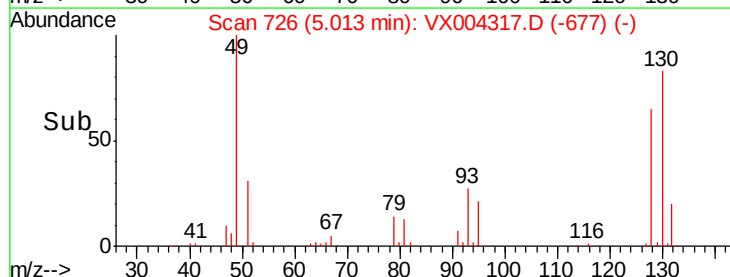
130 81.8 67.5 101.3

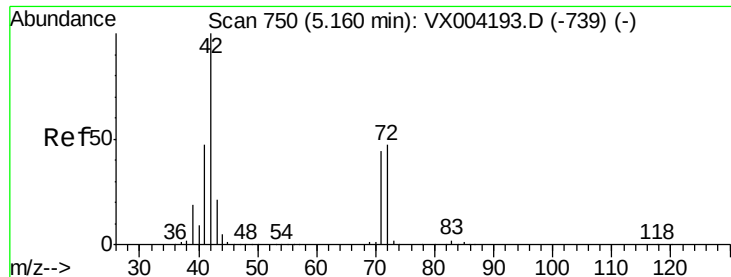


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 218.89 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

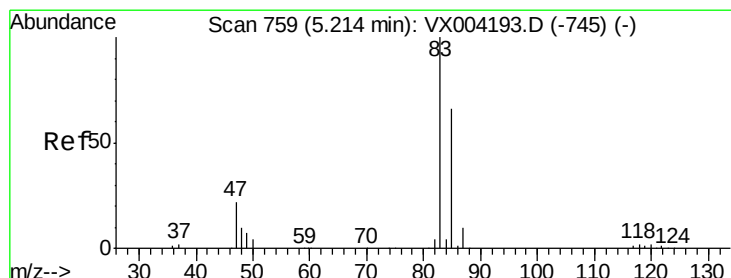
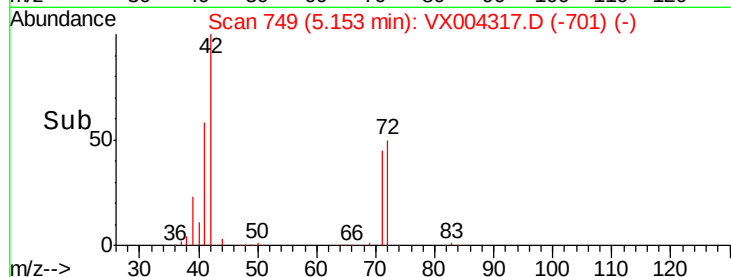
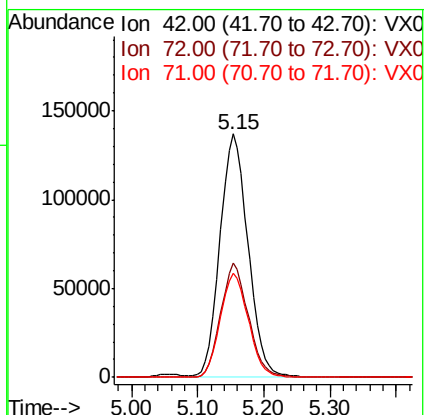
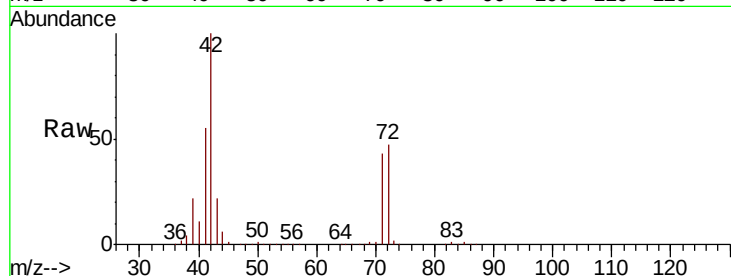
Tot Ion: 42 Resp: 401681

Ion Ratio Lower Upper

42 100

72 46.5 37.4 56.0

71 43.0 34.5 51.7



#30

Chloroform

Concen: 44.56 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004317.D

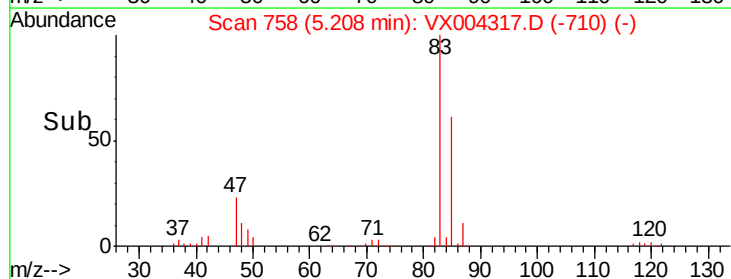
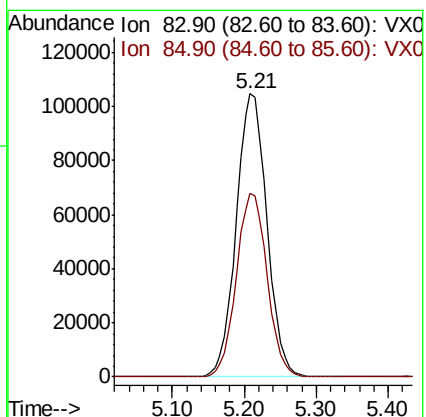
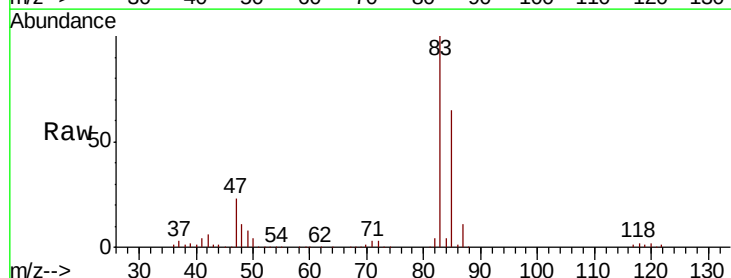
Acq: 30 Aug 2018 12:00

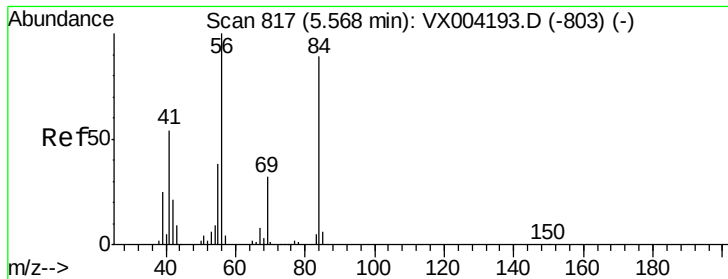
Tgt Ion: 83 Resp: 310070

Ion Ratio Lower Upper

83 100

85 64.8 52.6 79.0





#31

Cyclohexane

Concen: 44.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

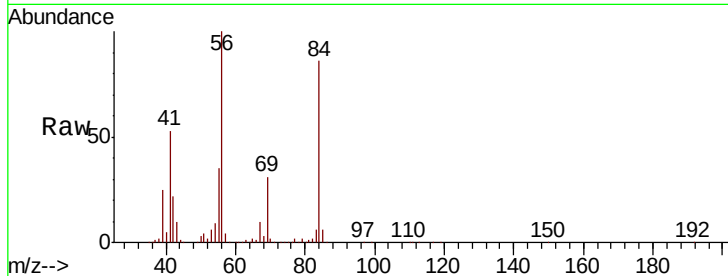
Tot Ion: 56 Resp: 264671

Ion Ratio Lower Upper

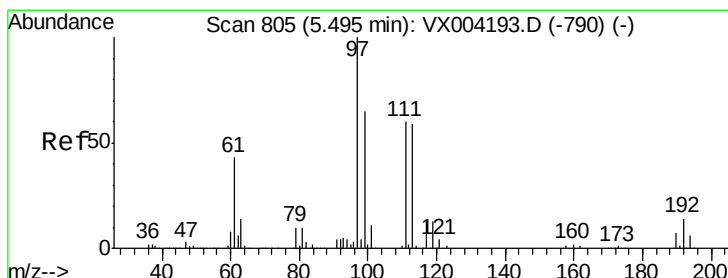
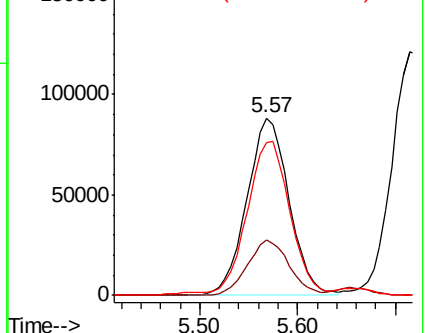
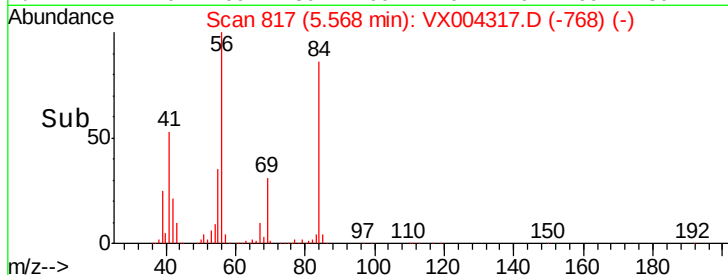
56 100

69 31.0 25.4 38.2

84 84.4 71.4 107.2



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: 44.70 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

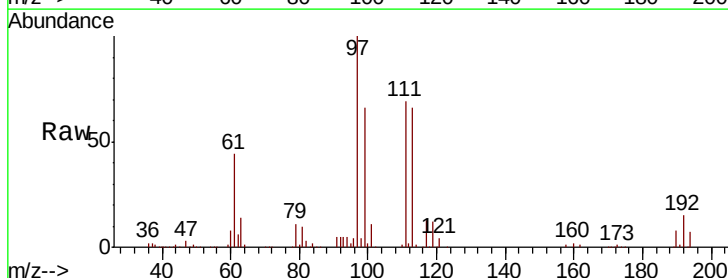
Tgt Ion: 97 Resp: 259380

Ion Ratio Lower Upper

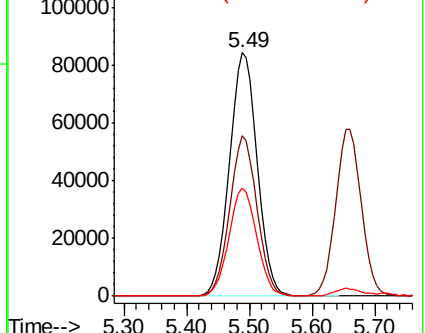
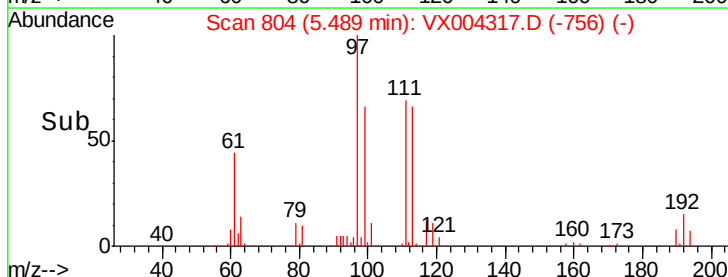
97 100

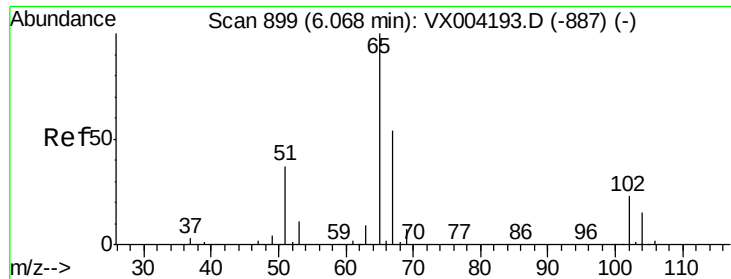
99 64.4 52.0 78.0

61 44.3 34.9 52.3



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

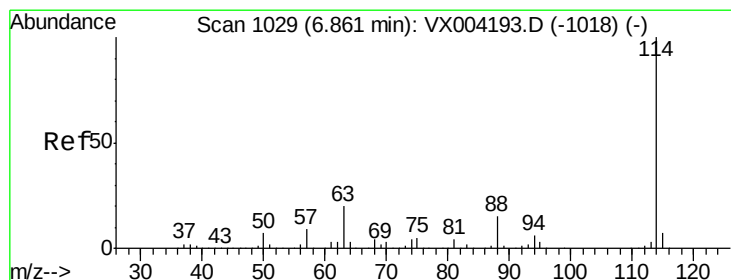
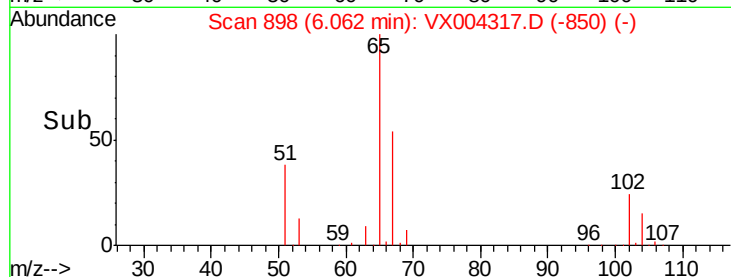
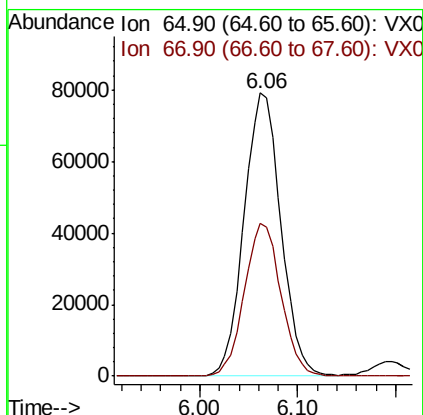
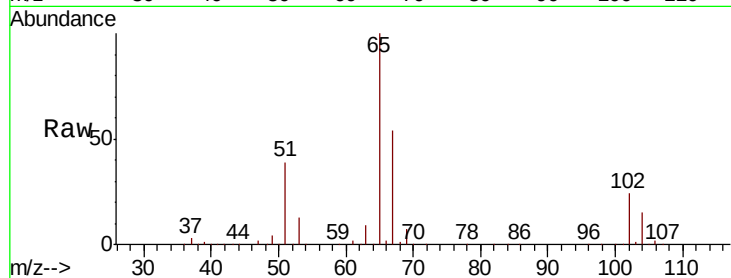




#33
 1,2-Dichloroethane-d4
 Concen: 48.39 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

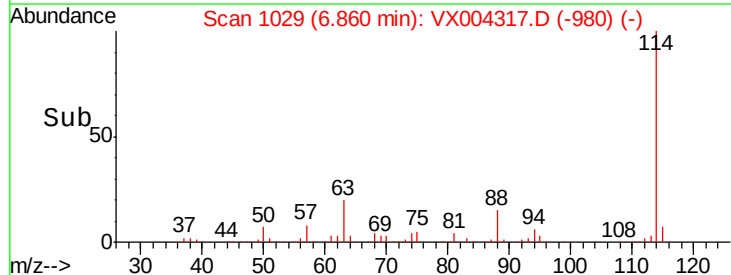
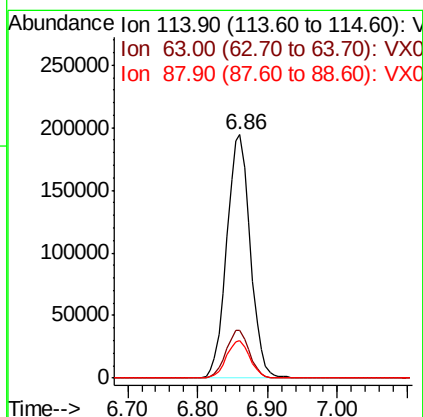
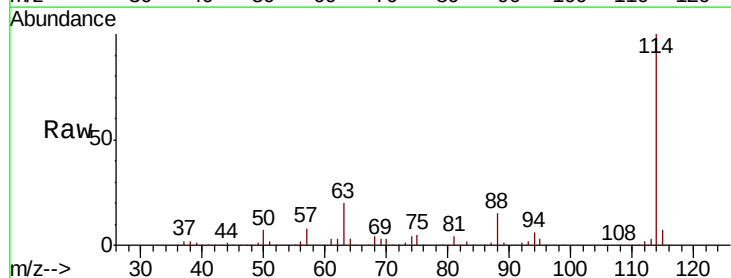
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

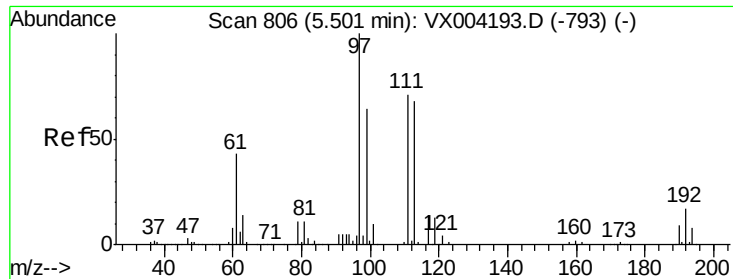
Tot Ion: 65 Resp: 206695
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 114 Resp: 454485
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.4

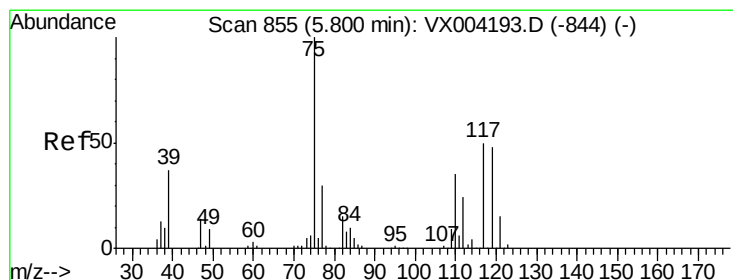
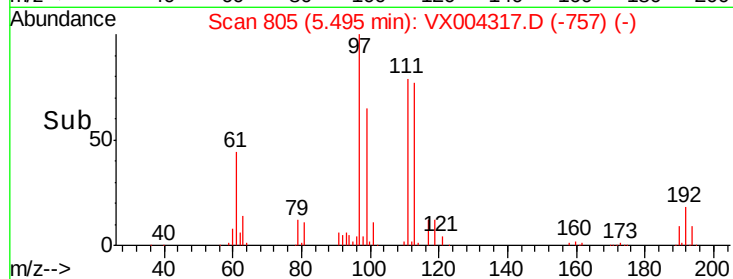
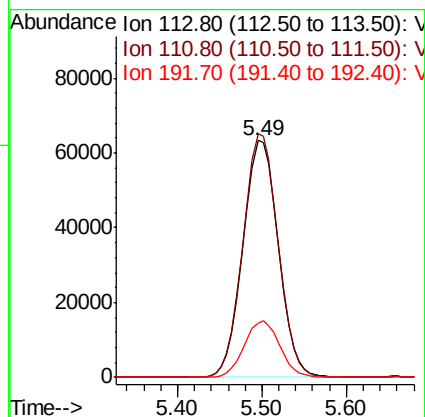
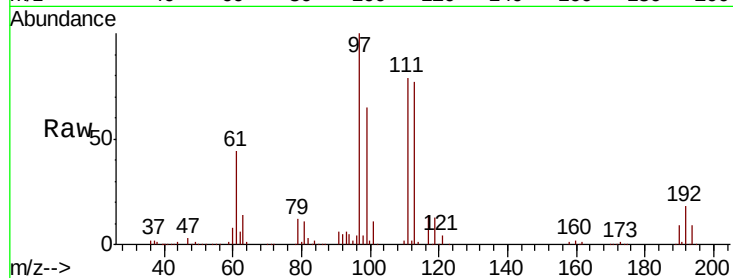




#35
 Dibromofluoromethane
 Concen: 53.35 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

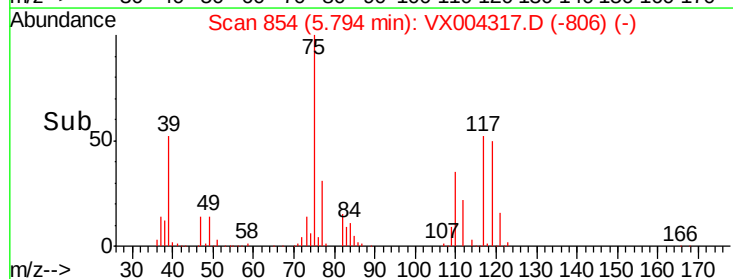
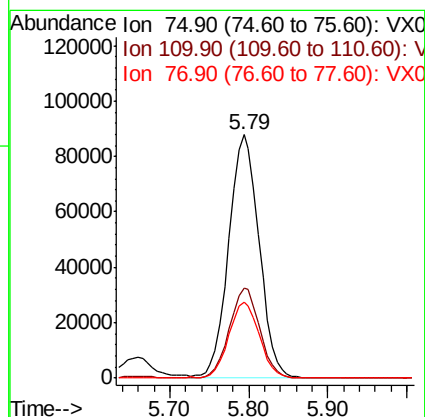
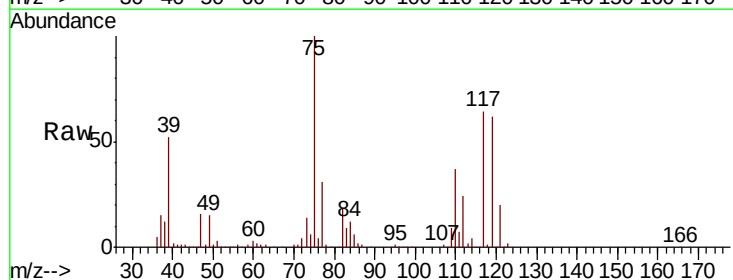
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

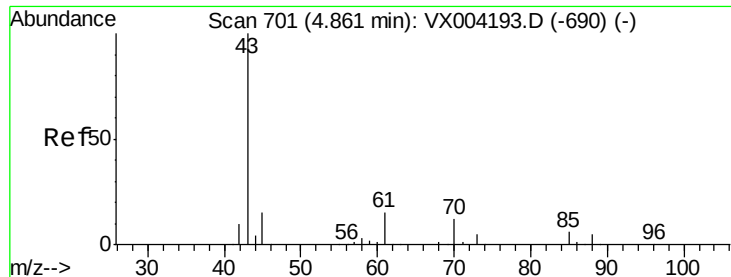
Tot Ion:113 Resp: 180364
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 46.02 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 75 Resp: 235160
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.0 54.0
 77 31.4 24.6 36.8





#37

Ethyl Acetate

Concen: 45.97 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

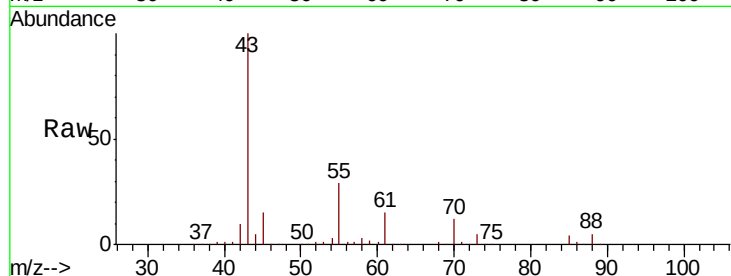
Tot Ion: 43 Resp: 231006

Ion Ratio Lower Upper

43 100

61 14.6 11.5 17.3

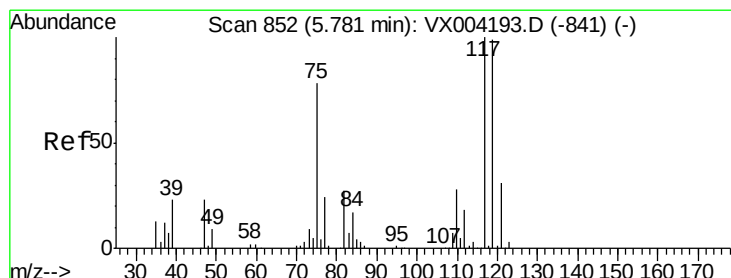
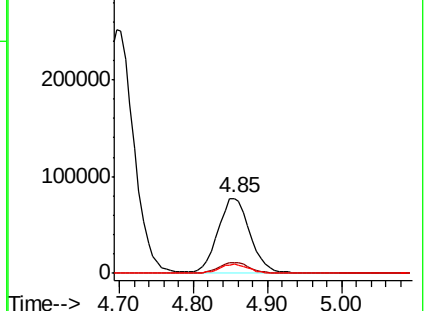
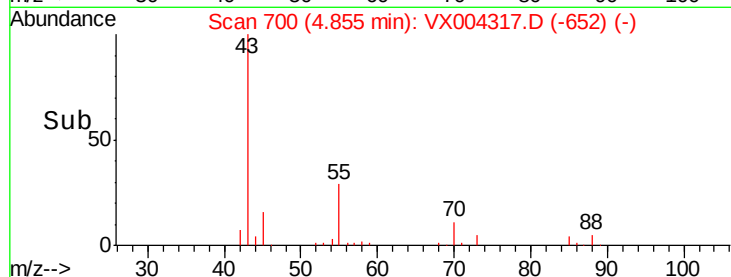
70 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 47.65 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

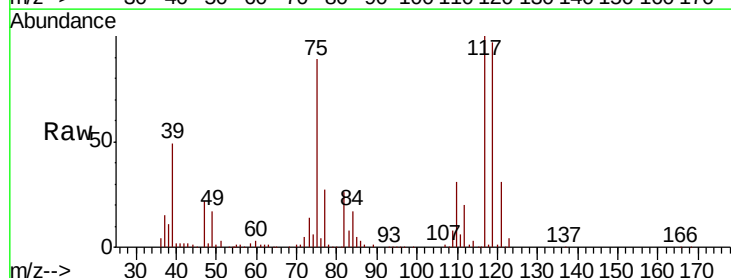
Tgt Ion: 117 Resp: 229053

Ion Ratio Lower Upper

117 100

119 97.4 78.8 118.2

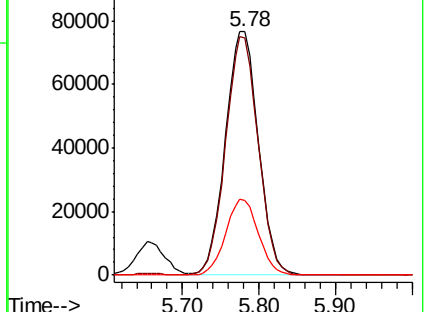
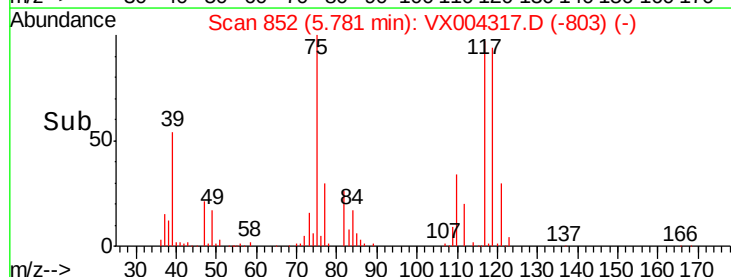
121 30.7 24.9 37.3

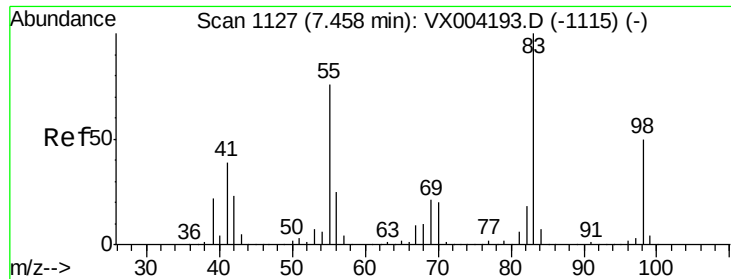


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

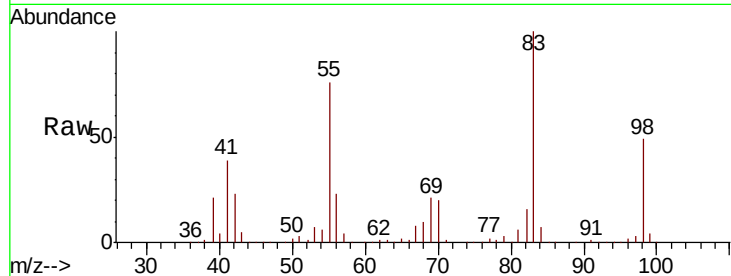




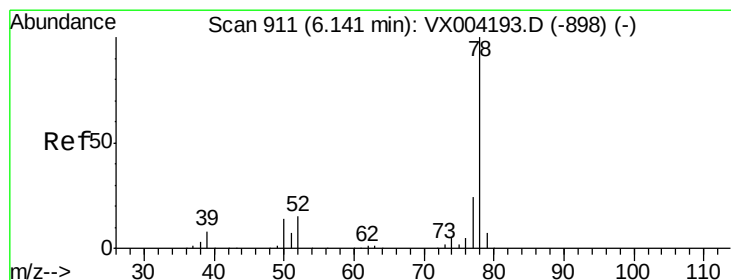
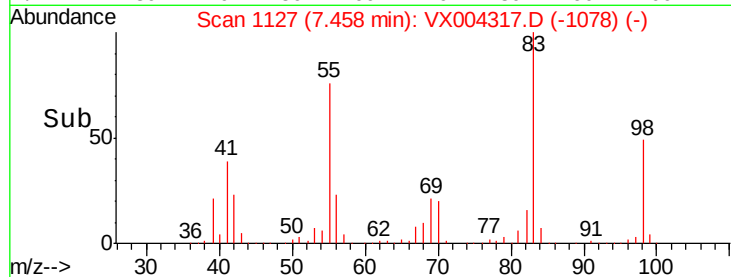
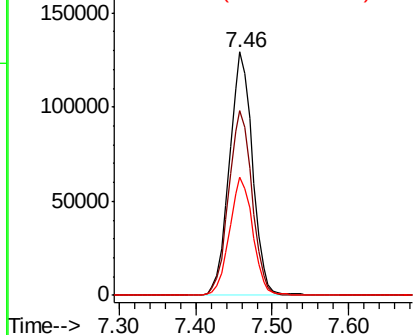
#39
Methylvlcyclohexane
Concen: 46.34 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	270334
Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.0	91.4
98	48.7	39.6	59.4

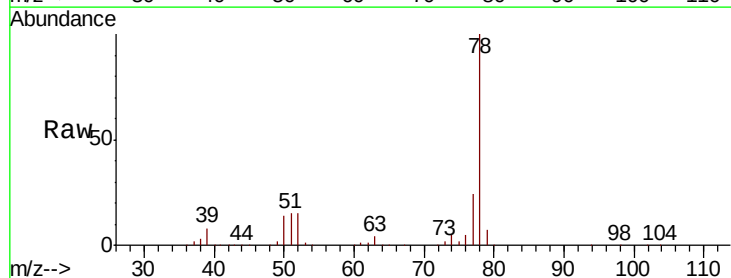


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

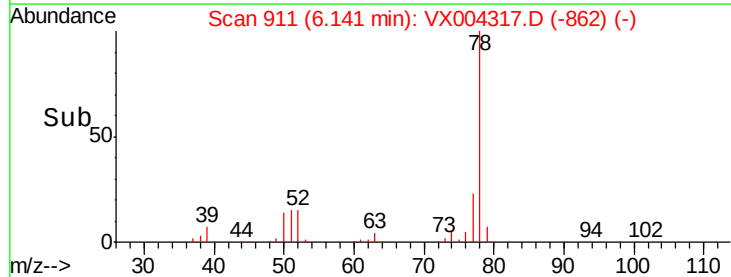
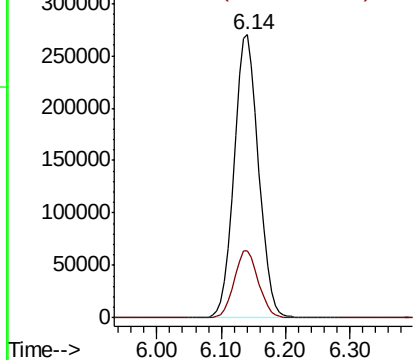


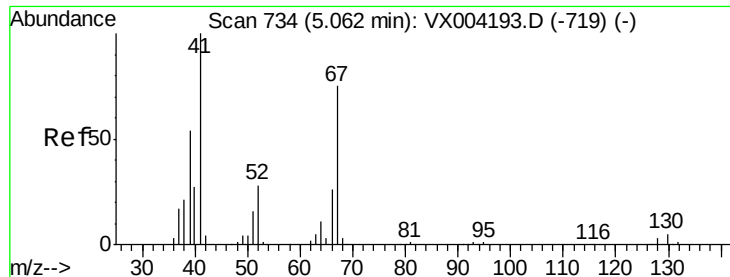
#40
Benzene
Concen: 46.64 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	78	Resp	712132
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4



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

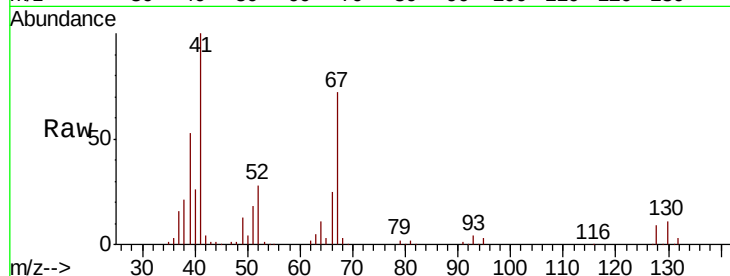




#41
Methacrylonitrile
Concen: 48.17 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	140318
Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.4	63.6
67	71.9	59.2	88.8
52	29.5	23.0	34.4



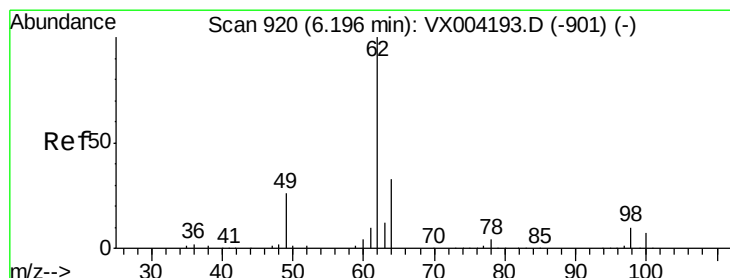
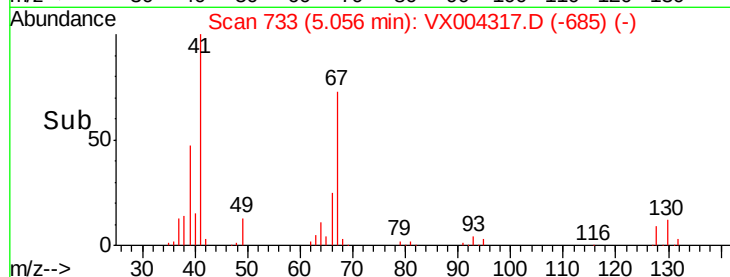
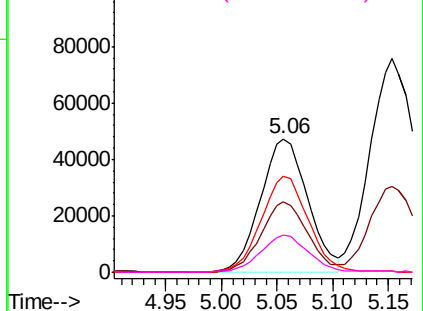
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

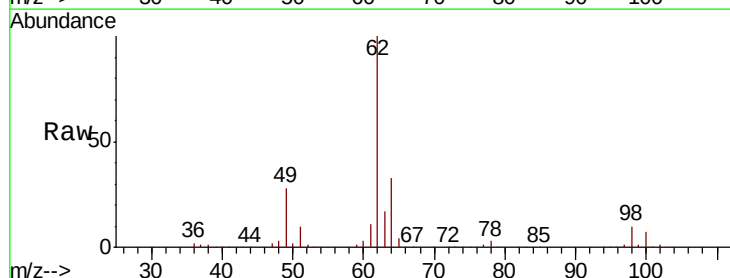
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 45.96 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

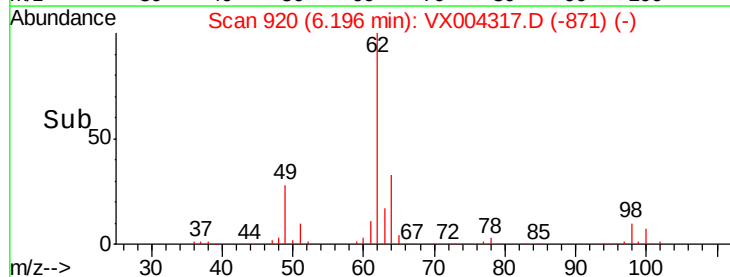
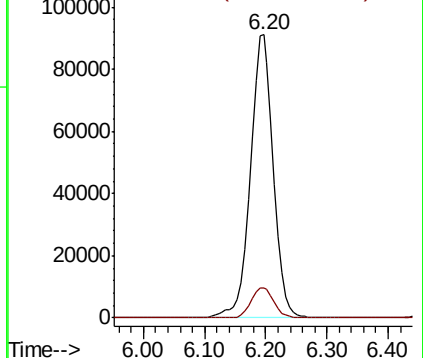
Tgt Ion:	62	Resp:	239325
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6

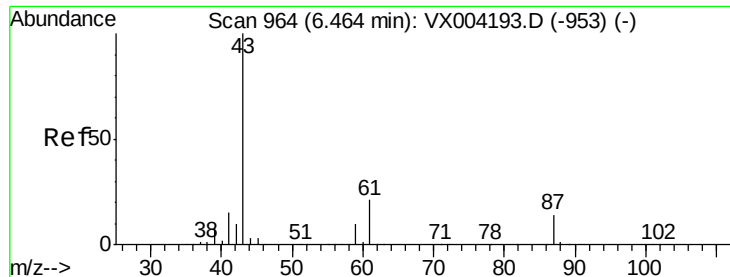


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.65 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

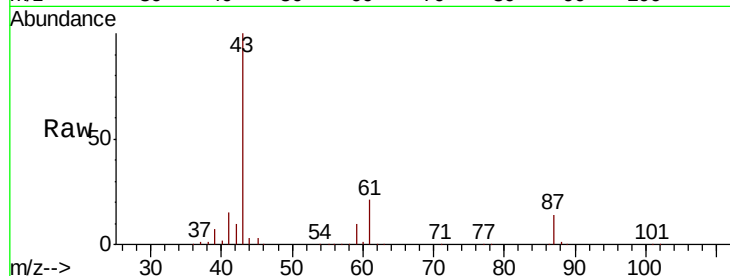
Tot Ion: 43 Resp: 367898

Ion Ratio Lower Upper

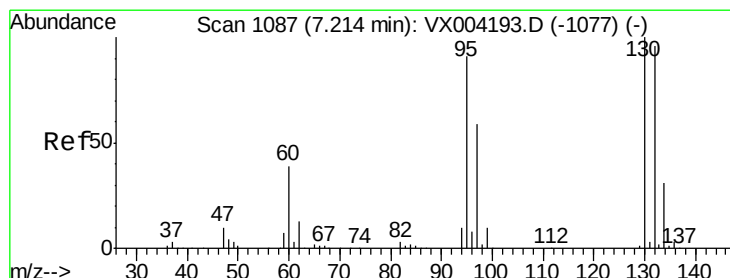
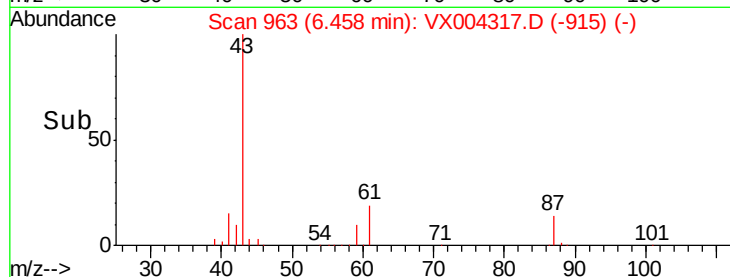
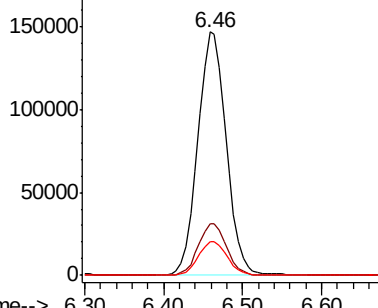
43 100

61 21.3 17.0 25.4

87 14.0 11.4 17.2



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: 45.34 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004317.D

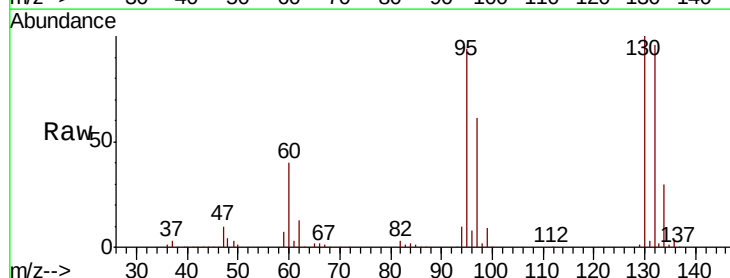
Acq: 30 Aug 2018 12:00

Tgt Ion:130 Resp: 191604

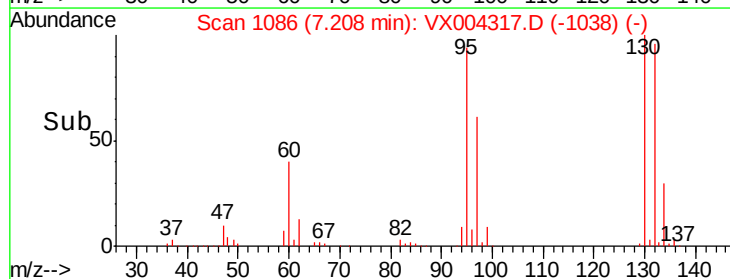
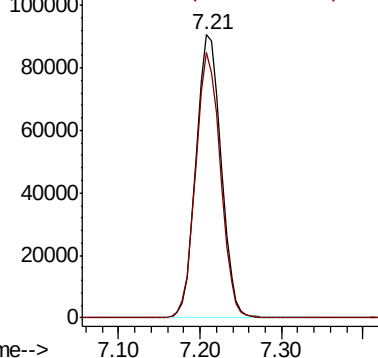
Ion Ratio Lower Upper

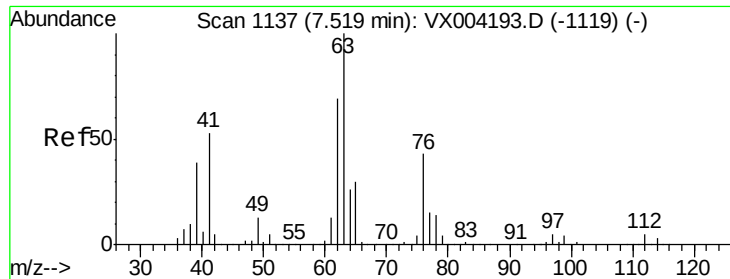
130 100

95 93.9 0.0 181.6



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

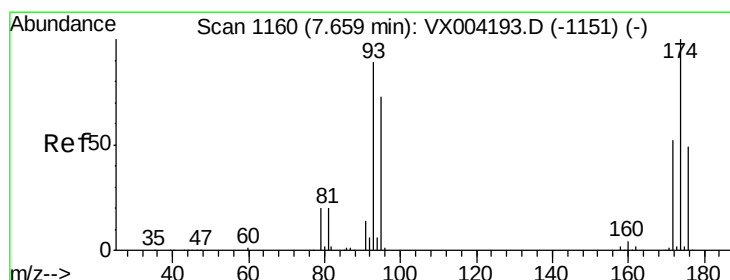
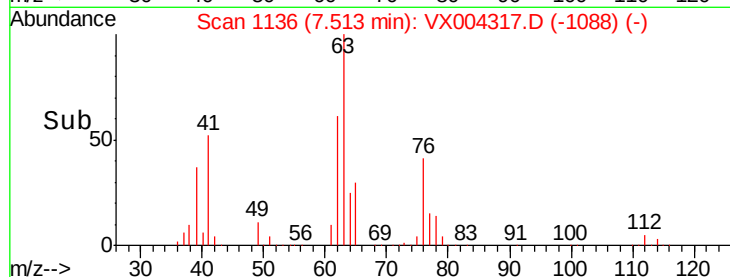
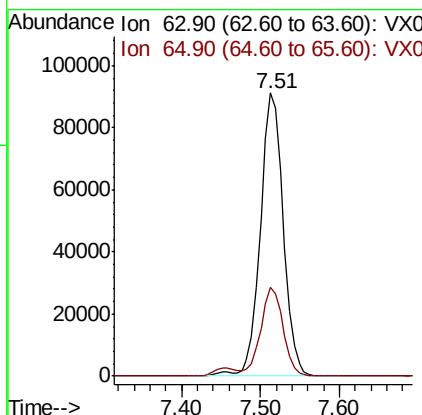
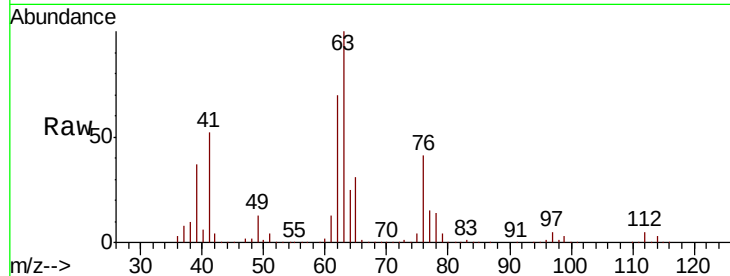




#45
 1,2-Dichloropropane
 Concen: 48.35 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

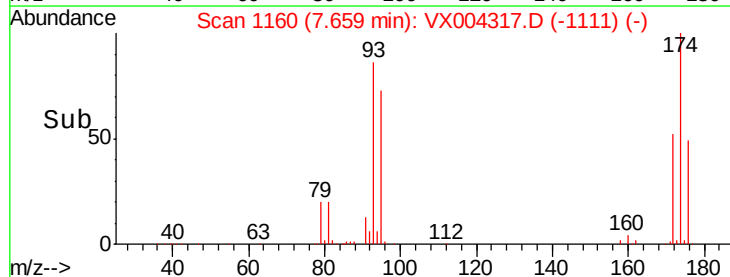
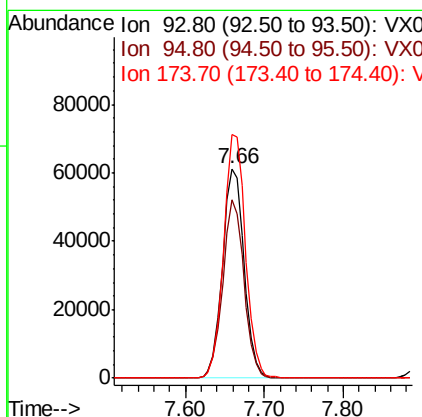
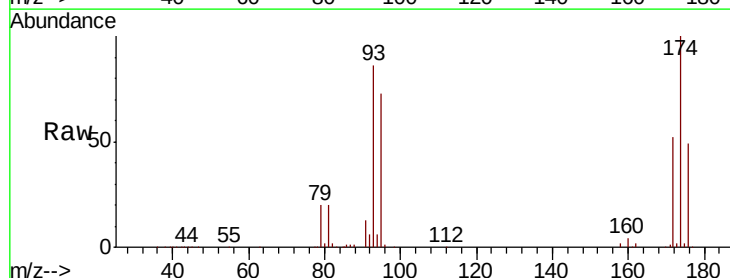
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

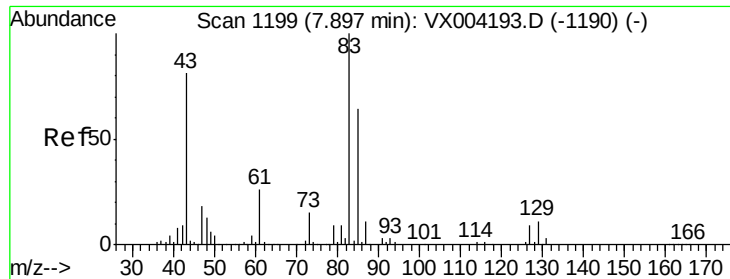
Tot Ion: 63 Resp: 184759
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 45.95 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 93 Resp: 116897
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 117.5 94.2 141.4





#47

Bromodichloromethane

Concen: 48.73 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

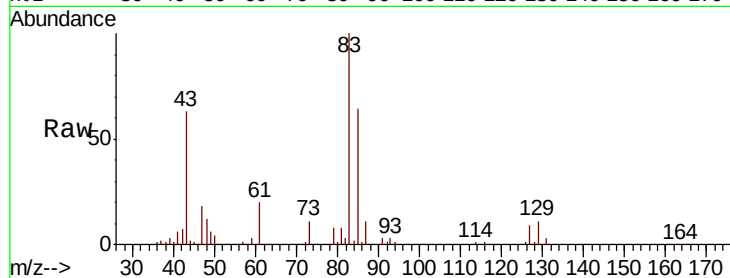
Tot Ion: 83 Resp: 230675

Ion Ratio Lower Upper

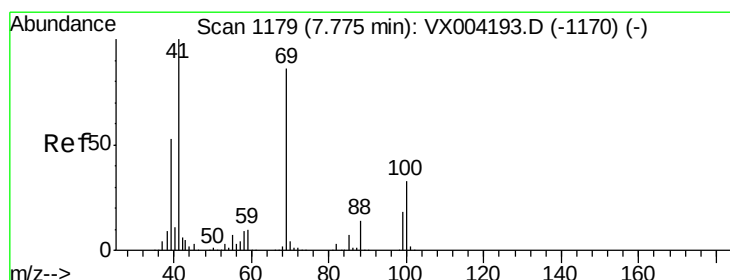
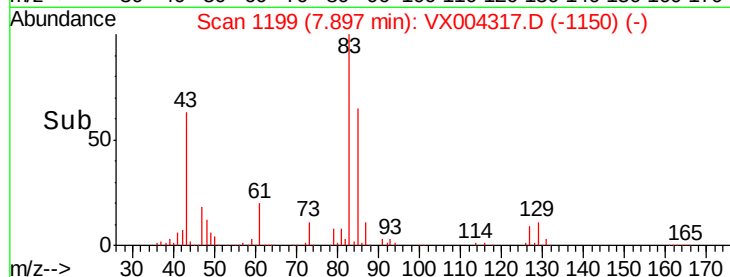
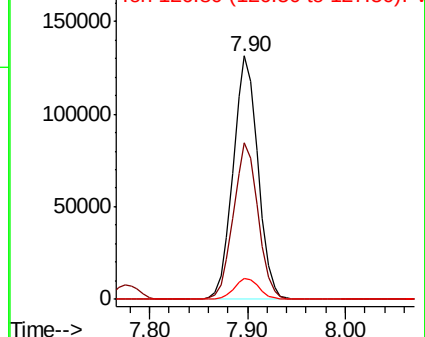
83 100

85 64.4 50.9 76.3

127 8.8 7.3 10.9



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: 48.23 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

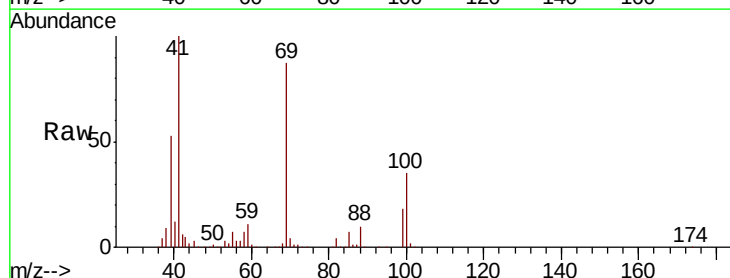
Tgt Ion: 41 Resp: 199264

Ion Ratio Lower Upper

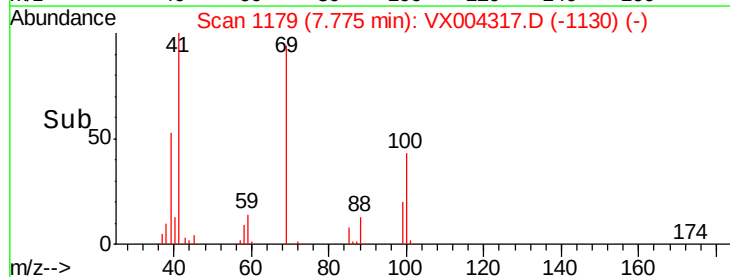
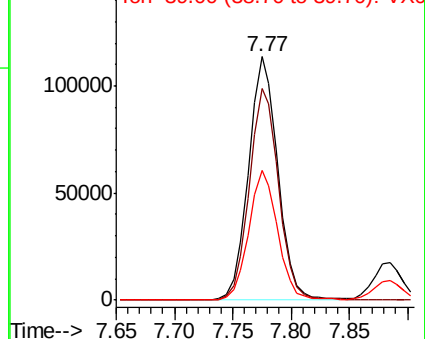
41 100

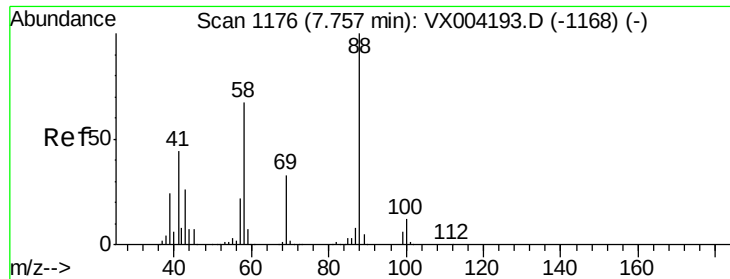
69 87.4 70.2 105.4

39 52.7 42.7 64.1



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

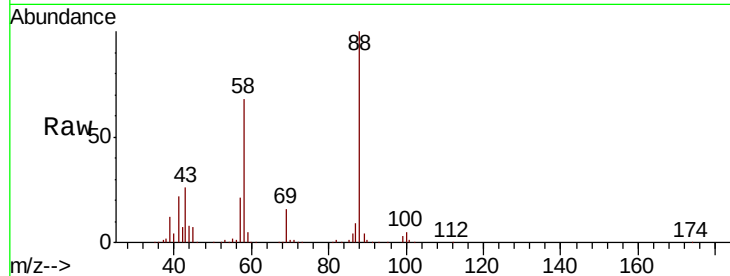




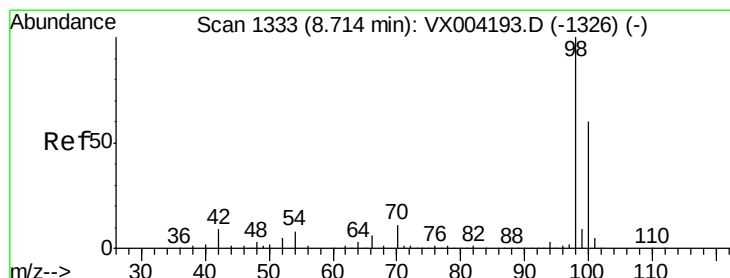
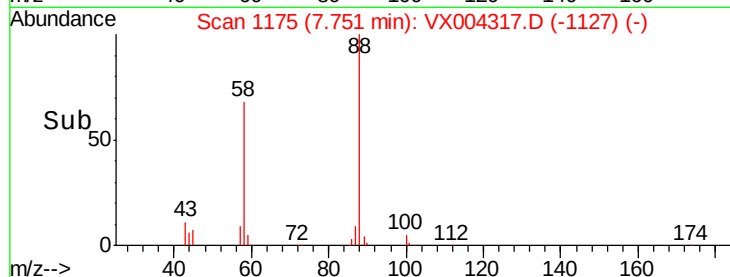
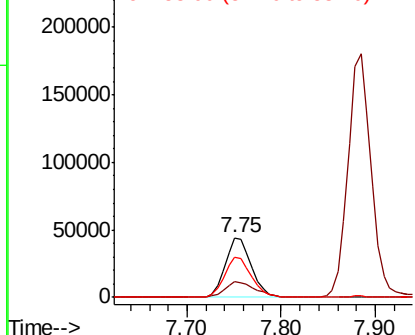
#49
1,4-Dioxane
Concen: 896.42 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 84090
Ion Ratio Lower Upper
88 100
43 30.8 24.7 37.1
58 69.6 55.3 82.9

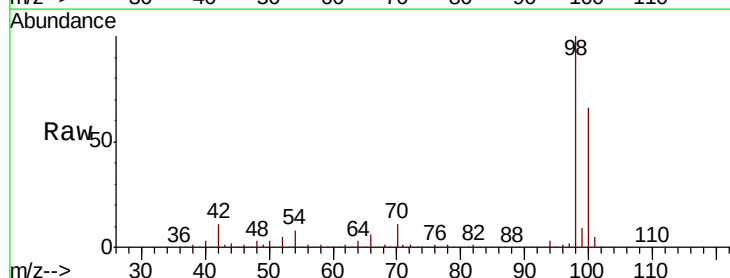


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

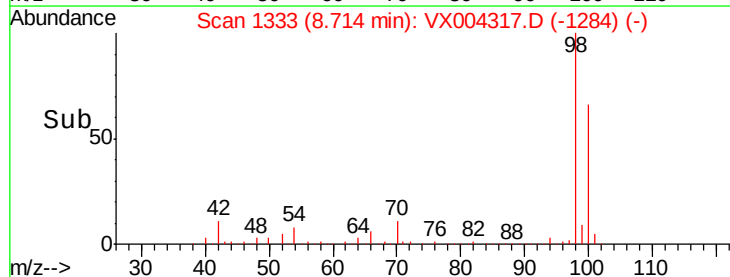
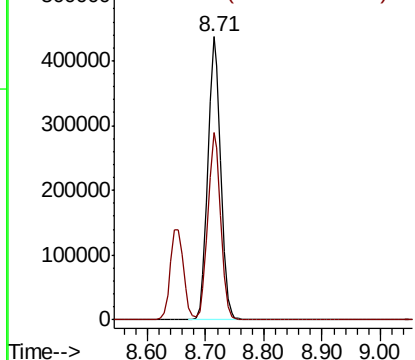


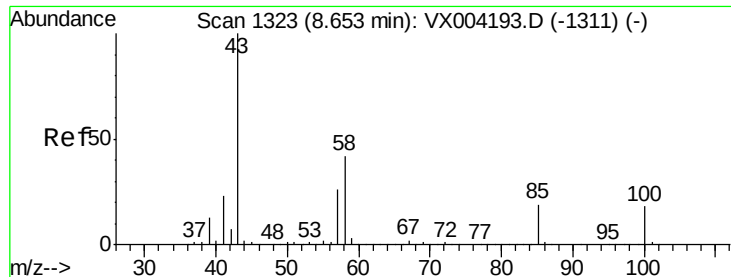
#50
Toluene-d8
Concen: 53.05 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 98 Resp: 676995
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 225.66 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

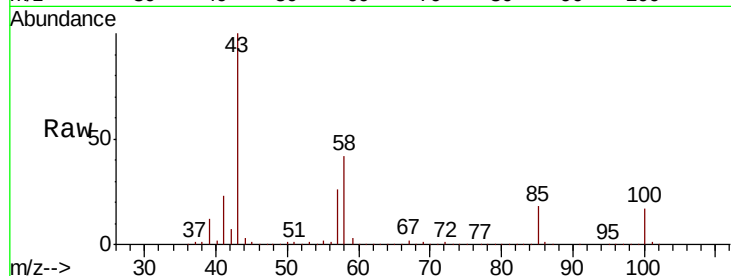
VSTDCCC050

Tot Ion: 43 Resp: 1266024

Ion Ratio Lower Upper

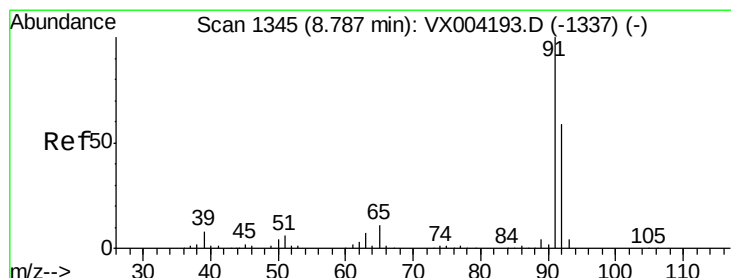
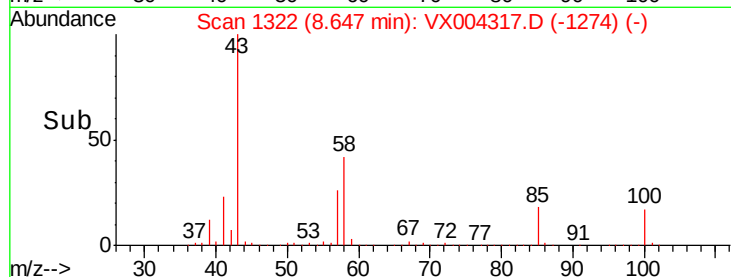
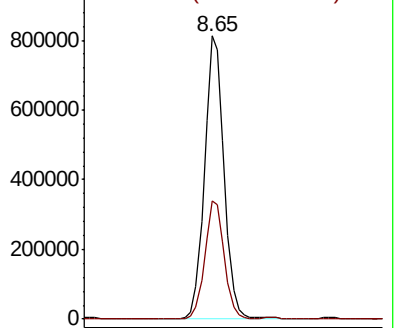
43 100

58 41.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004317.D

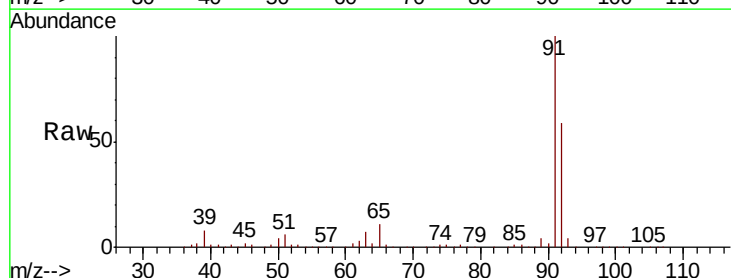
Acq: 30 Aug 2018 12:00

Tgt Ion: 92 Resp: 454398

Ion Ratio Lower Upper

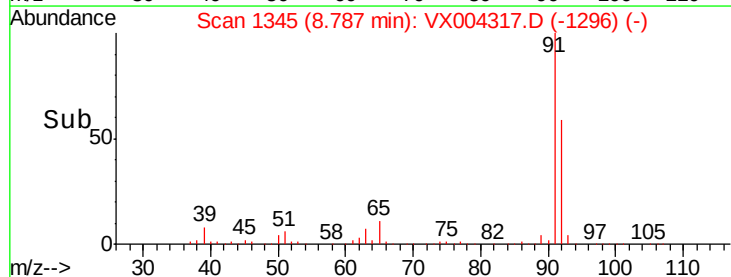
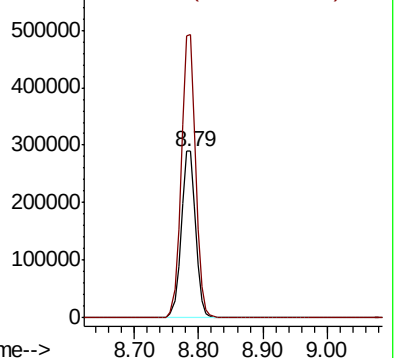
92 100

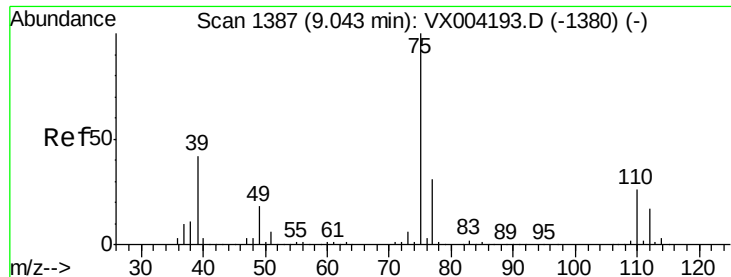
91 169.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 49.29 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

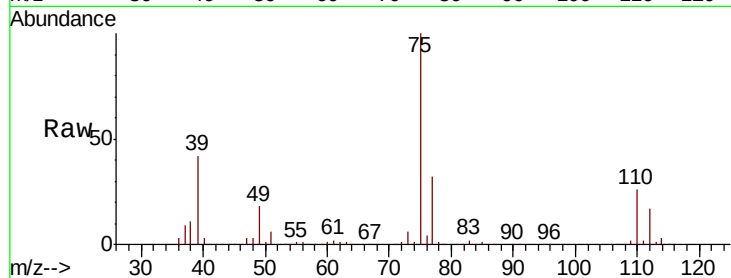
VSTDCCC050

Tot Ion: 75 Resp: 257750

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

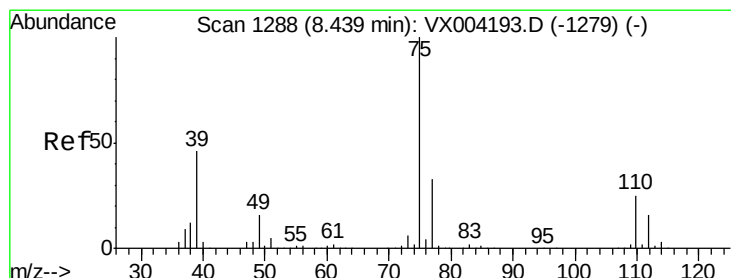
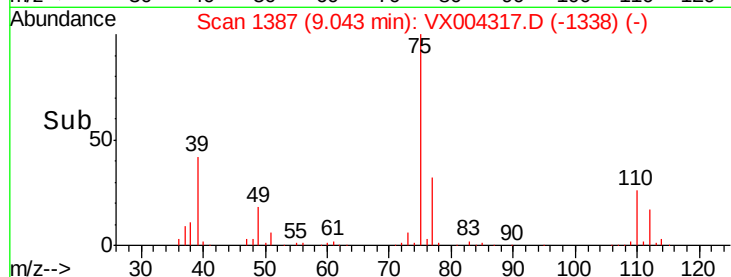
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 49.78 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

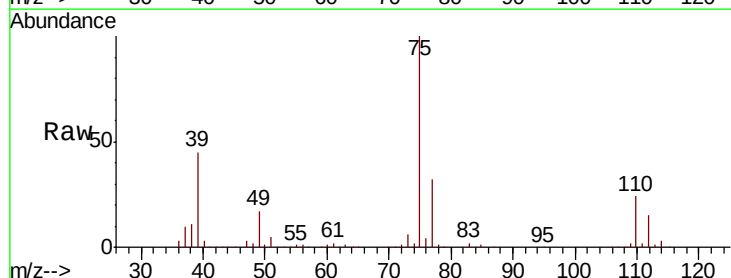
Tgt Ion: 75 Resp: 283509

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 44.9 36.4 54.6



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

250000

200000

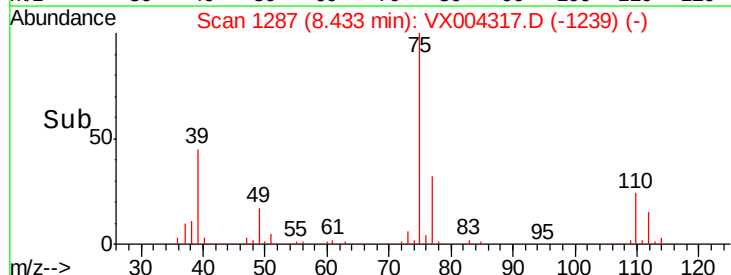
150000

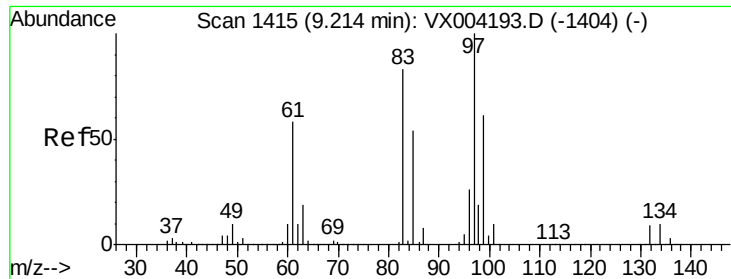
100000

50000

0

Time--> 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 47.83 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 184543

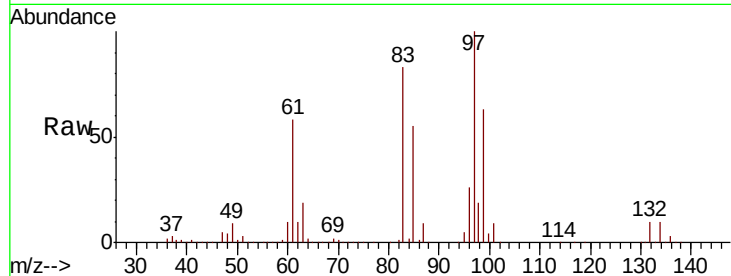
Ion Ratio Lower Upper

97 100

83 83.1 66.4 99.6

85 54.6 43.3 64.9

99 62.8 49.0 73.4

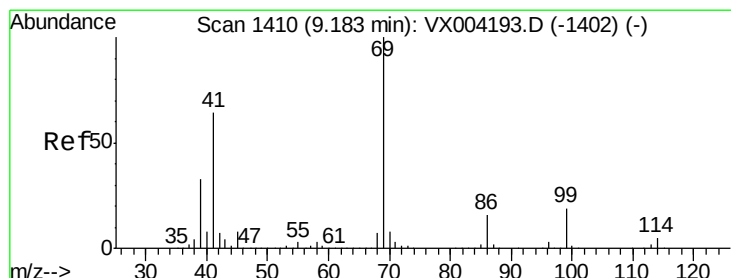
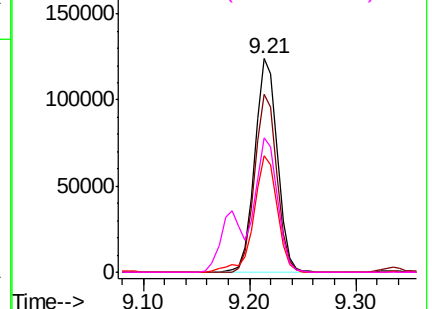
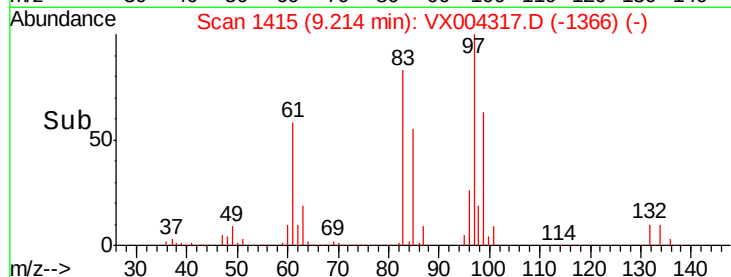


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 50.25 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

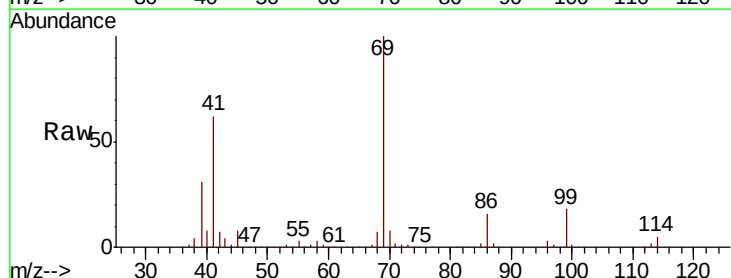
Tgt Ion: 69 Resp: 263883

Ion Ratio Lower Upper

69 100

41 63.3 51.0 76.4

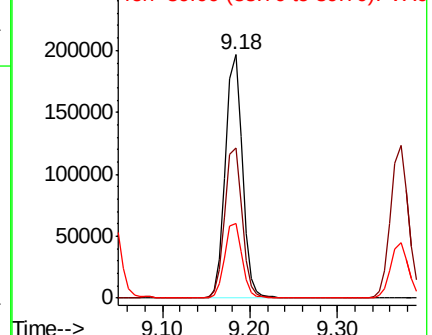
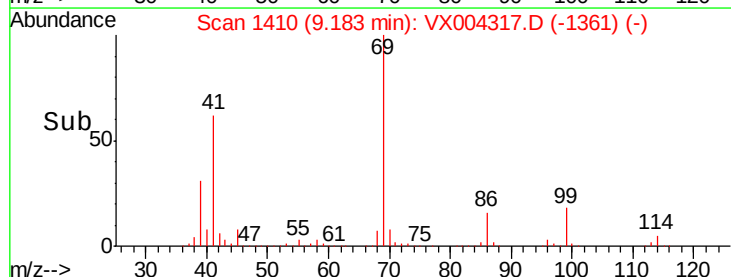
39 31.5 26.1 39.1

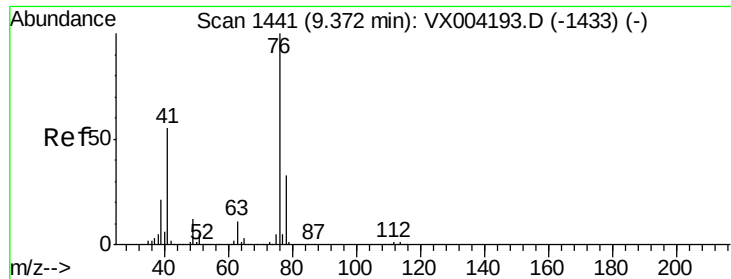


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.65 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

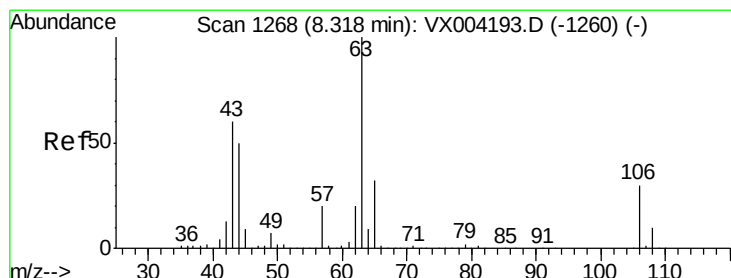
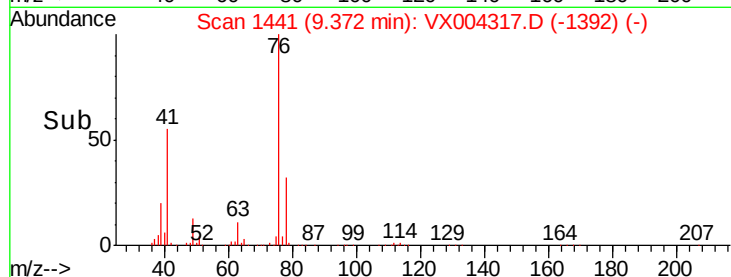
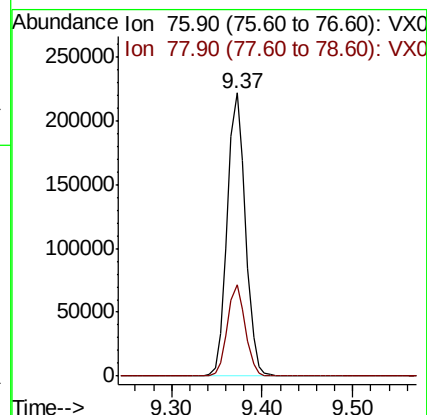
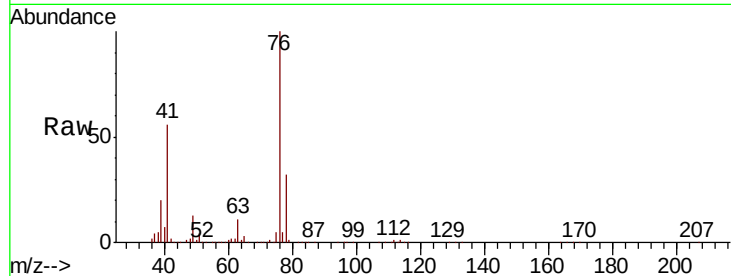
VSTDCCC050

Tot Ion: 76 Resp: 309874

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 394.73 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004317.D

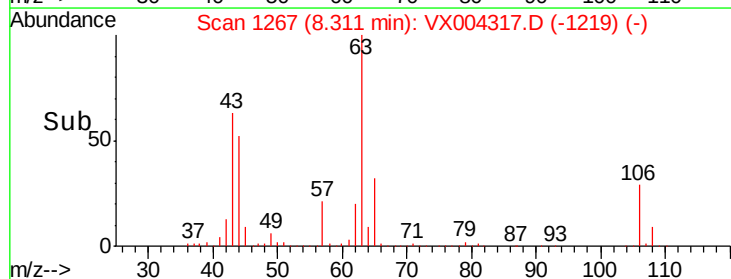
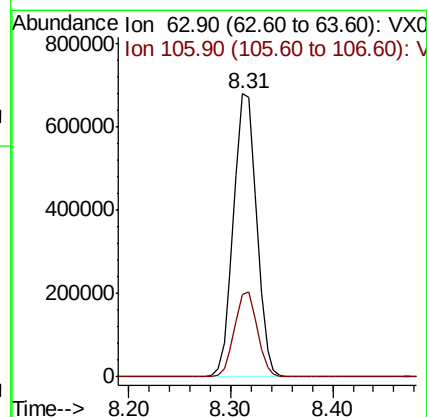
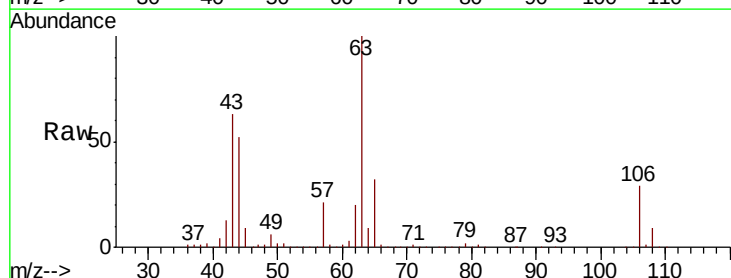
Acq: 30 Aug 2018 12:00

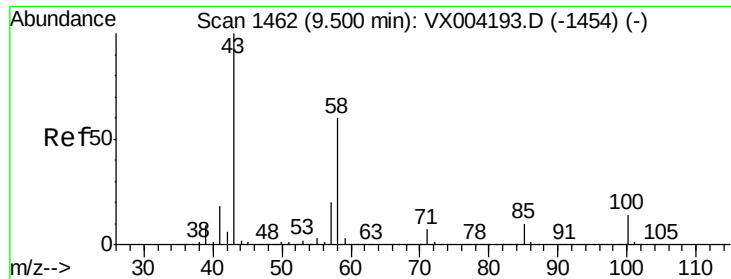
Tgt Ion: 63 Resp: 1062184

Ion Ratio Lower Upper

63 100

106 29.6 23.9 35.9

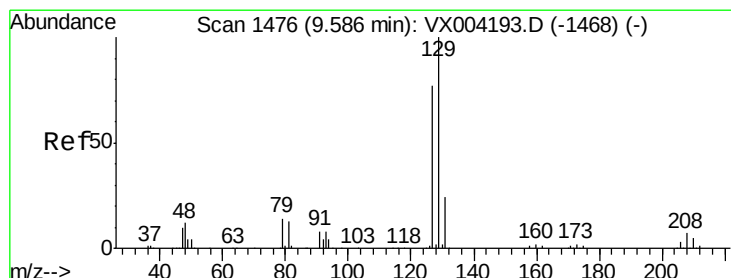
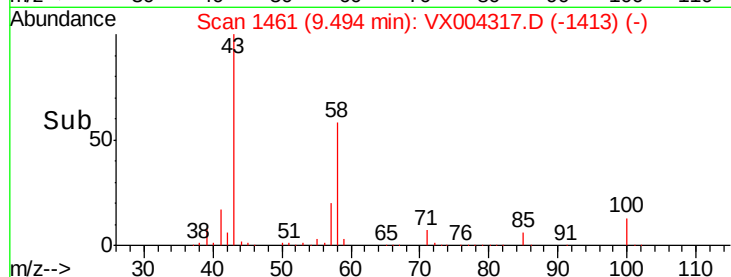
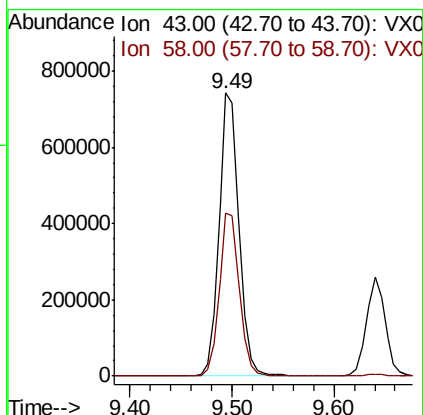
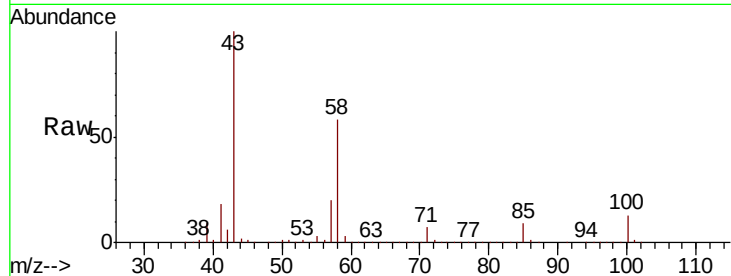




#59
2-Hexanone
Concen: 237.46 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

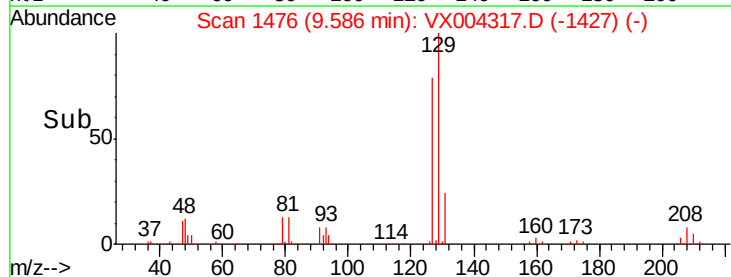
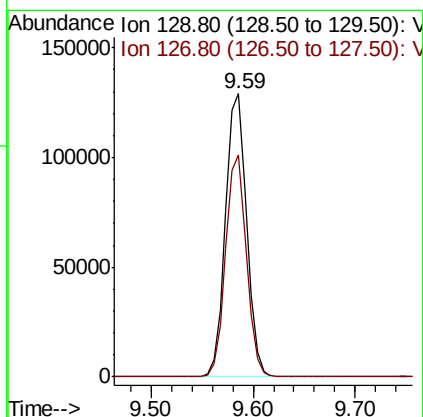
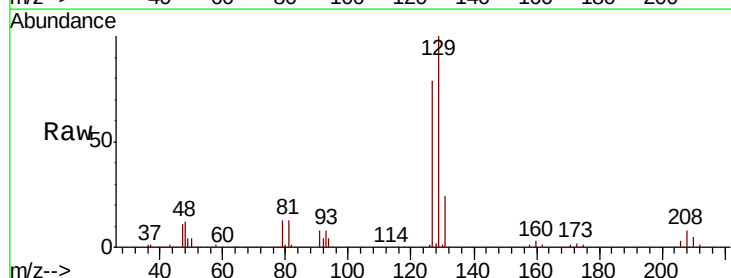
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

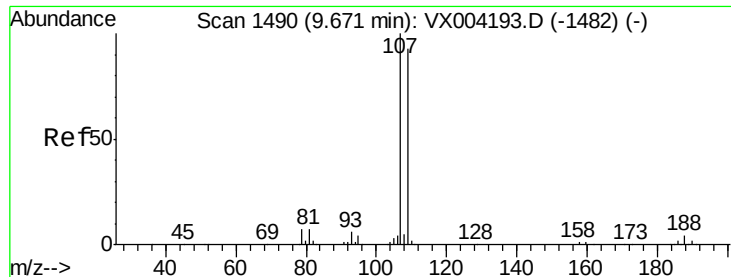
Tot Ion: 43 Resp: 1016348
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0



#60
Dibromochloromethane
Concen: 49.20 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 129 Resp: 184942
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.65 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

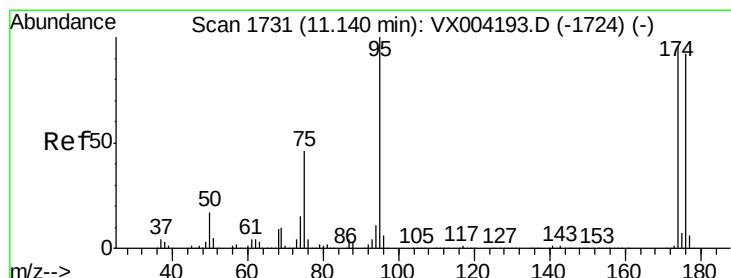
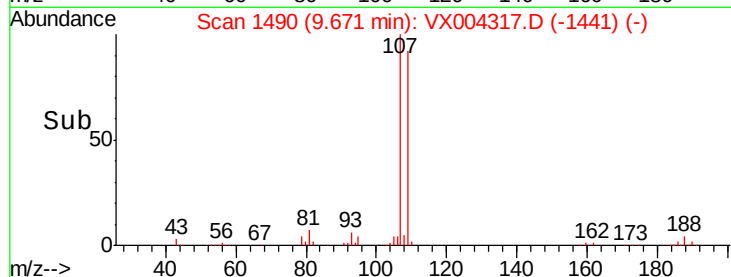
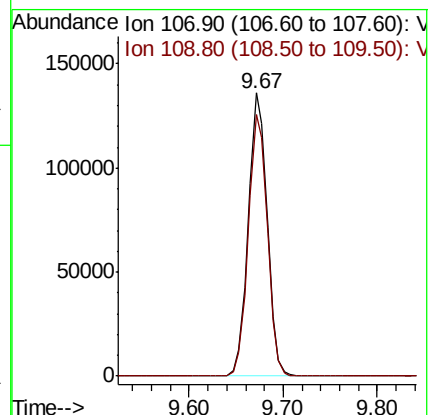
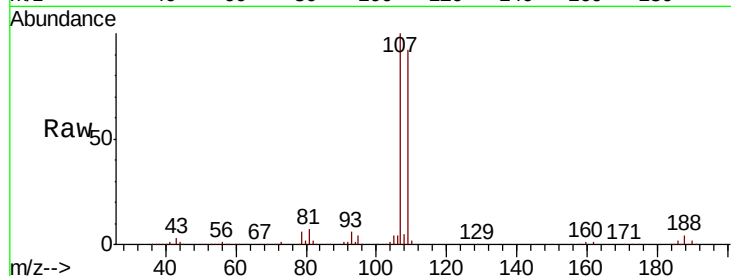
VSTDCCC050

Tot Ion:107 Resp: 190240

Ion Ratio Lower Upper

107 100

109 93.4 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 54.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

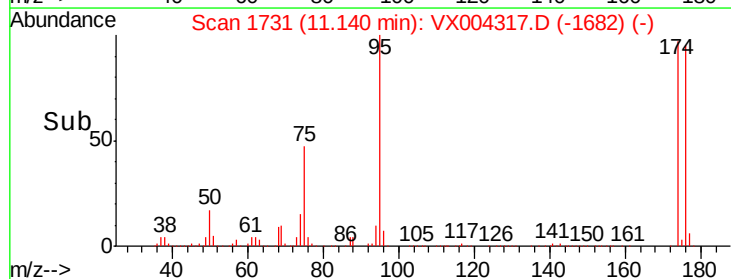
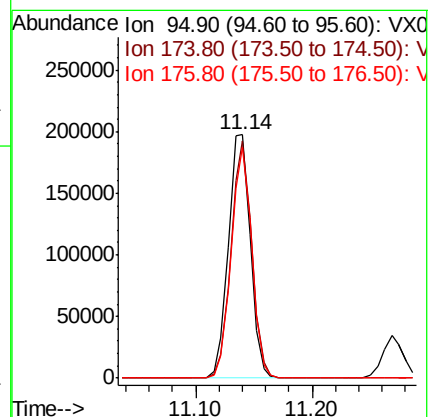
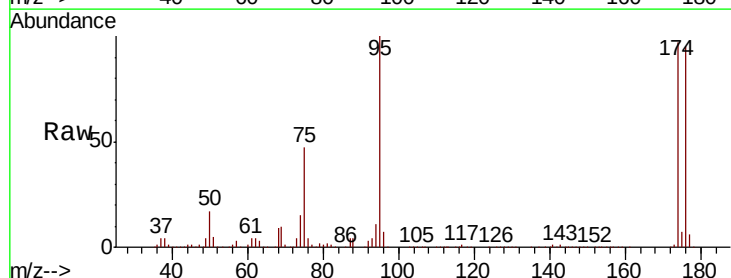
Tgt Ion: 95 Resp: 258444

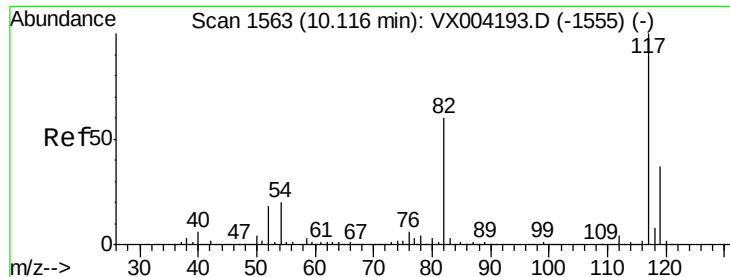
Ion Ratio Lower Upper

95 100

174 91.6 0.0 185.2

176 88.7 0.0 178.6

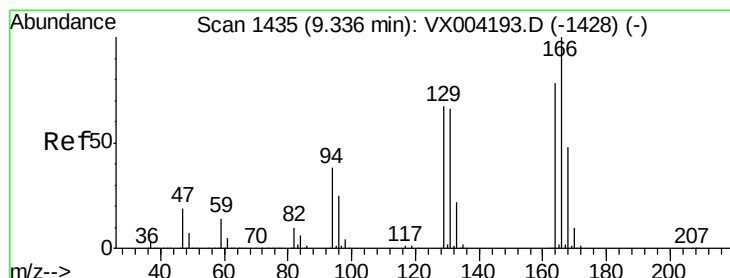
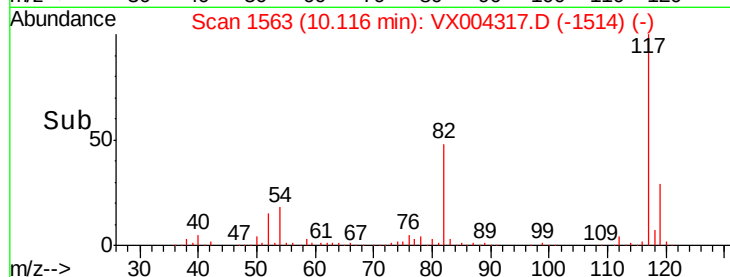
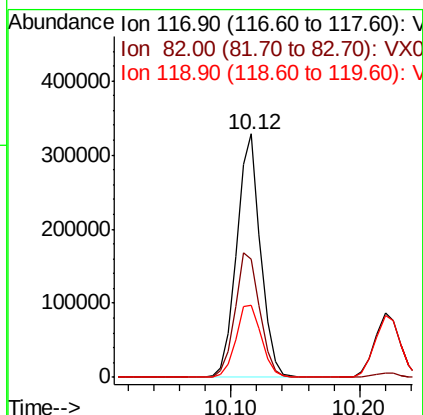
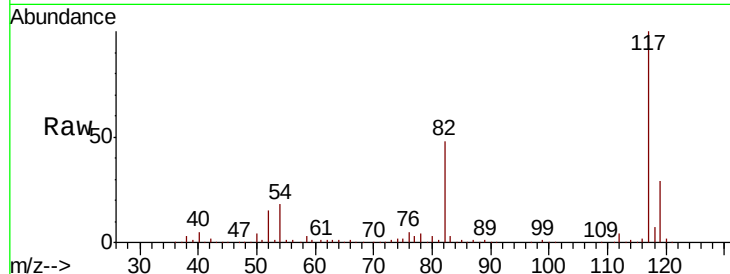




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

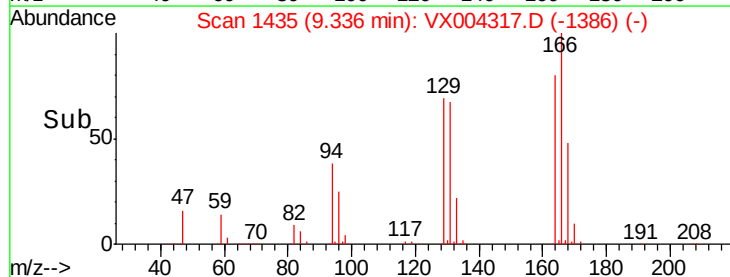
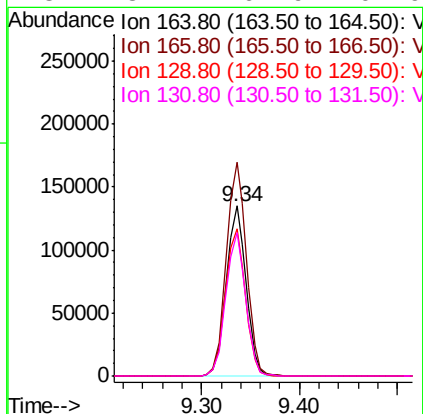
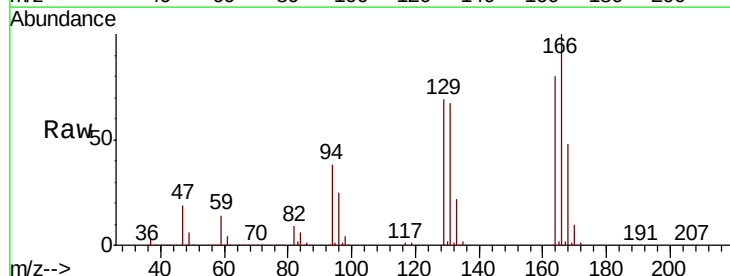
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

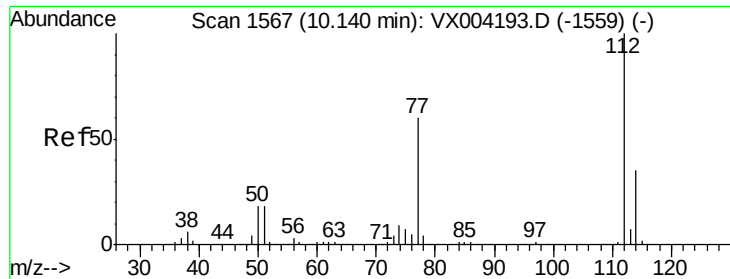
Tot Ion:117 Resp: 419988
Ion Ratio Lower Upper
117 100
82 48.3 47.8 71.6
119 29.4 29.3 43.9



#64
Tetrachloroethene
Concen: 45.62 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:164 Resp: 189263
Ion Ratio Lower Upper
164 100
166 125.6 102.8 154.2
129 86.4 69.4 104.0
131 84.2 67.9 101.9

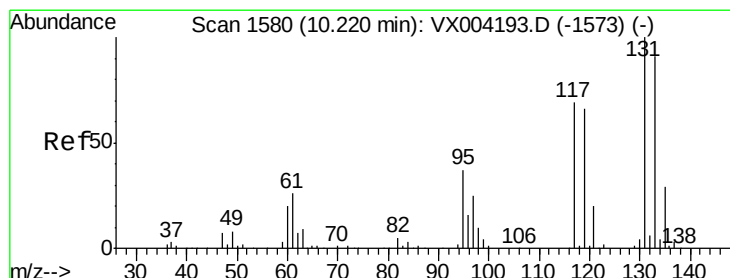
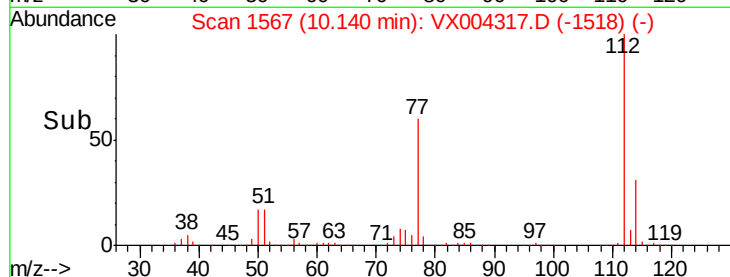
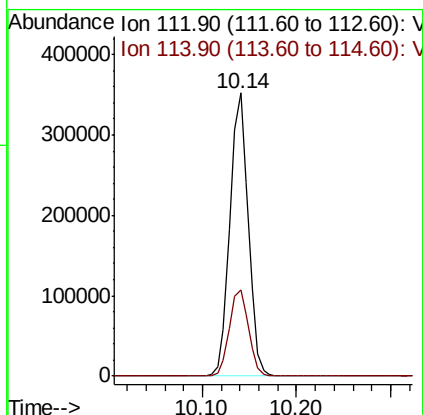
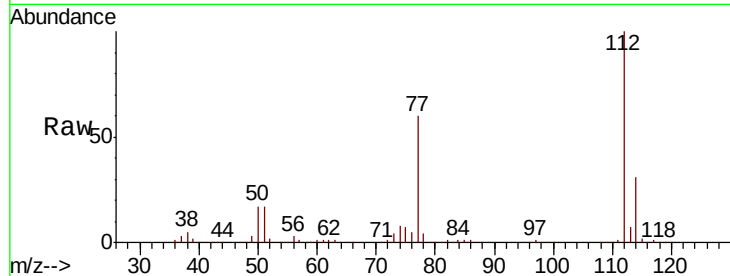




#65
Chlorobenzene
Concen: 45.22 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

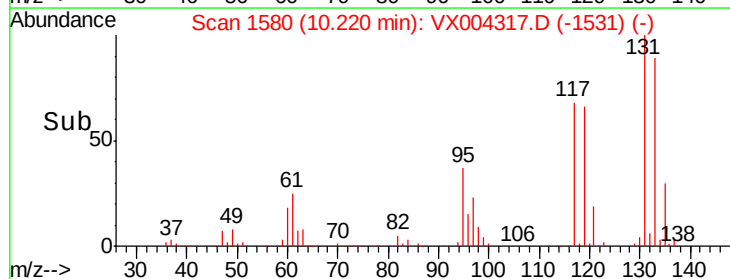
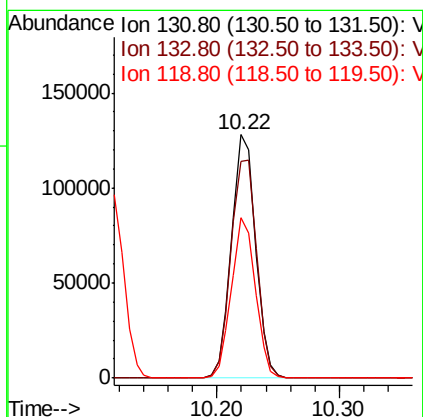
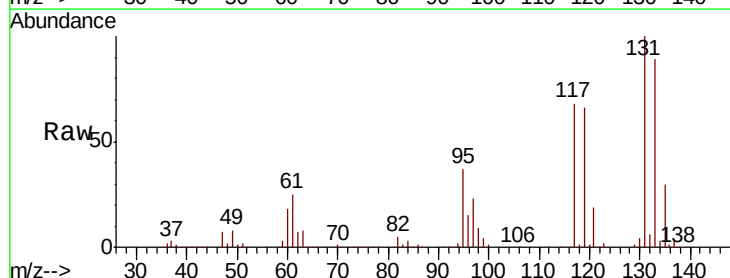
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

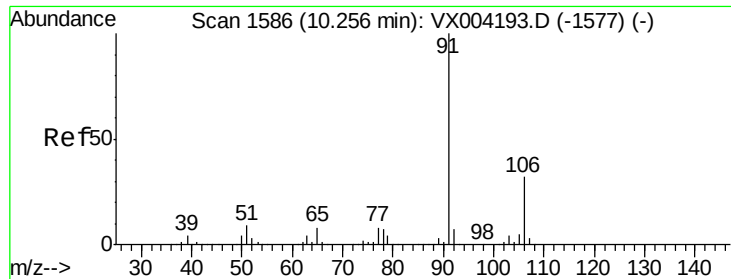
Tot Ion:112 Resp: 476623
Ion Ratio Lower Upper
112 100
114 30.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.99 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:131 Resp: 174454
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 65.4 32.9 98.6

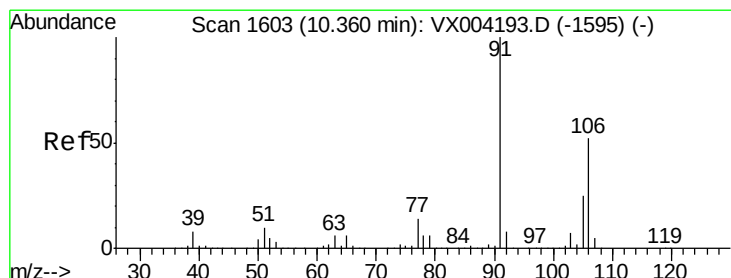
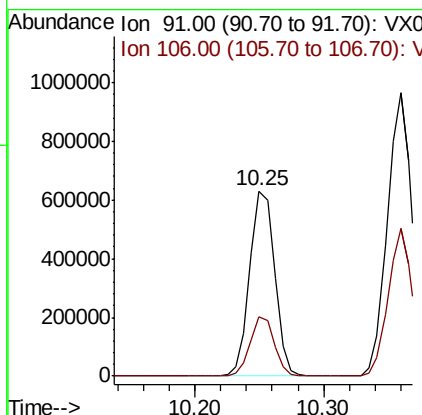
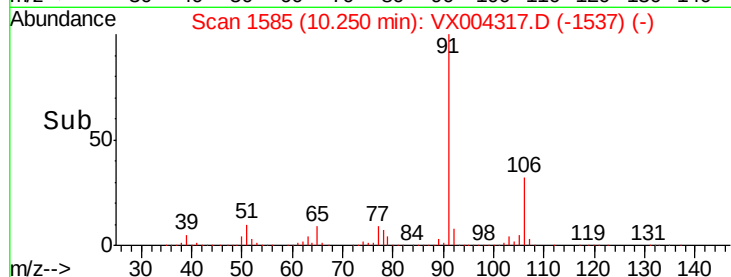
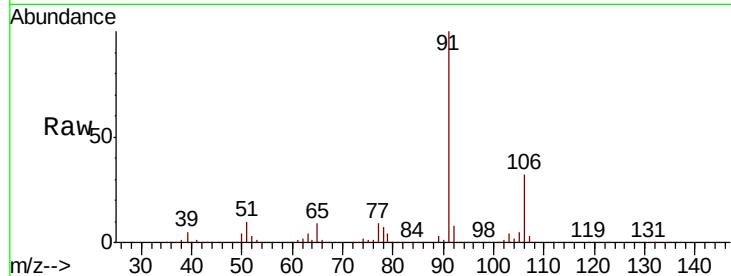




#67
Ethyl Benzene
Concen: 49.13 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

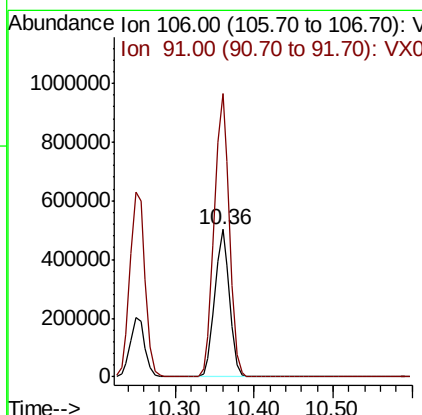
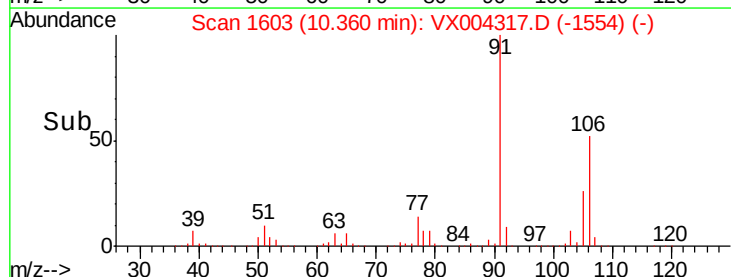
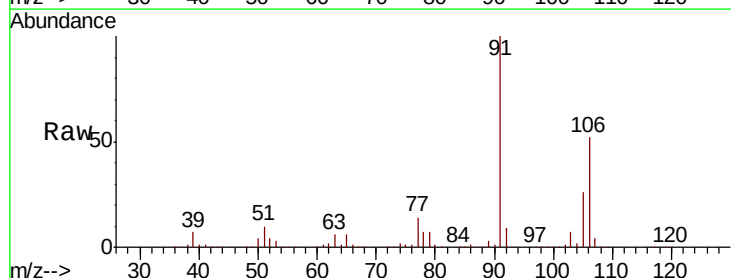
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

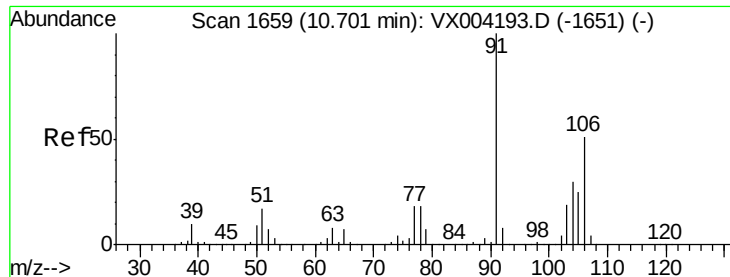
Tot Ion: 91 Resp: 840987
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 97.91 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 106 Resp: 655363
Ion Ratio Lower Upper
106 100
91 196.7 157.1 235.7

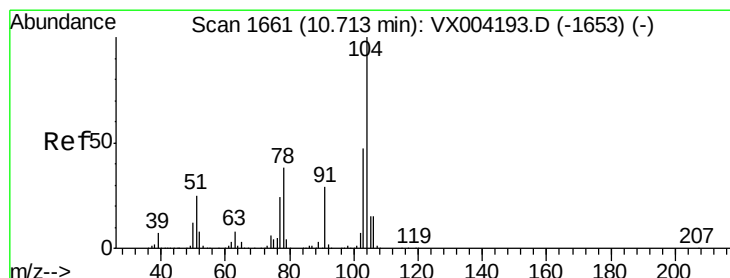
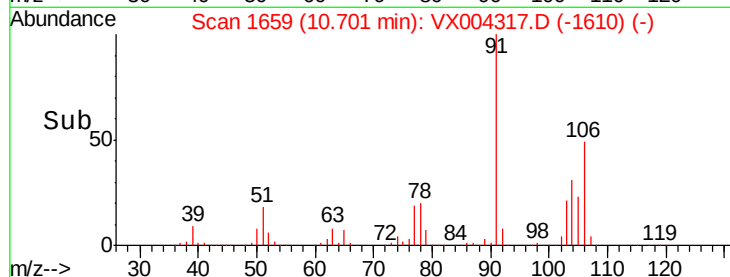
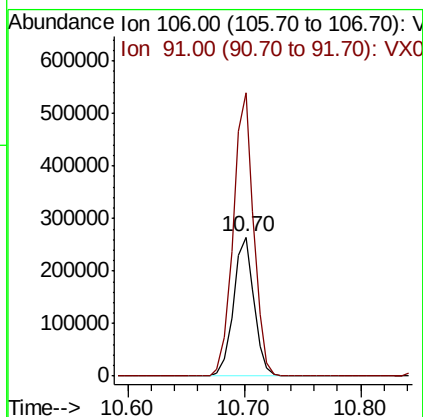
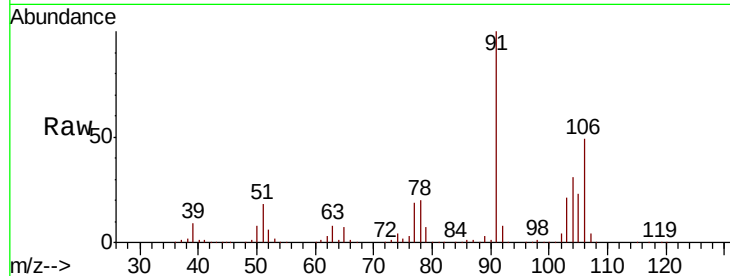




#69
o-Xylene
Concen: 51.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

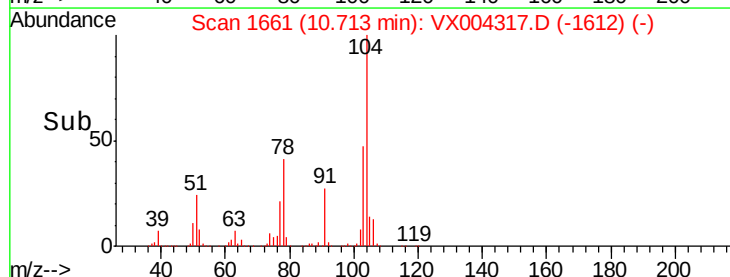
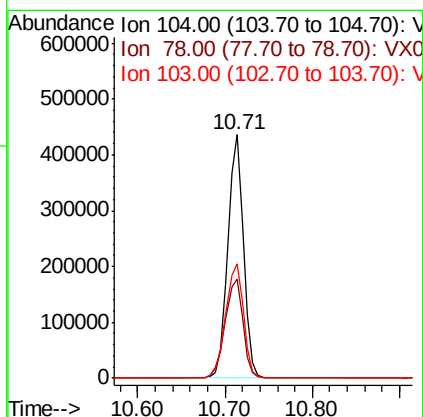
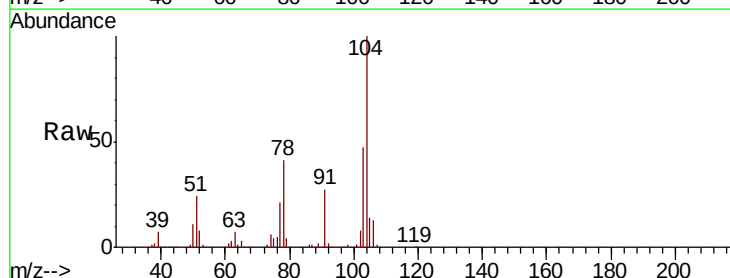
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

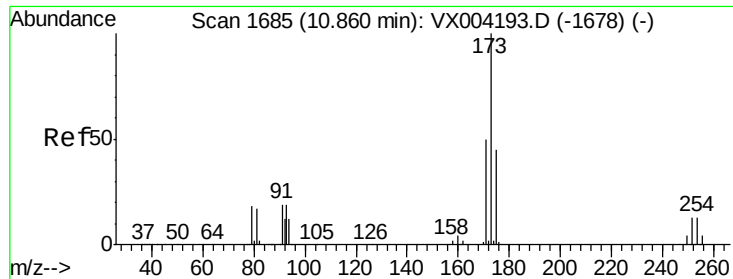
Tot Ion:106 Resp: 324529
Ion Ratio Lower Upper
106 100
91 202.6 105.1 315.1



#70
Styrene
Concen: 52.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:104 Resp: 540986
Ion Ratio Lower Upper
104 100
78 46.8 37.4 56.0
103 53.6 43.8 65.6

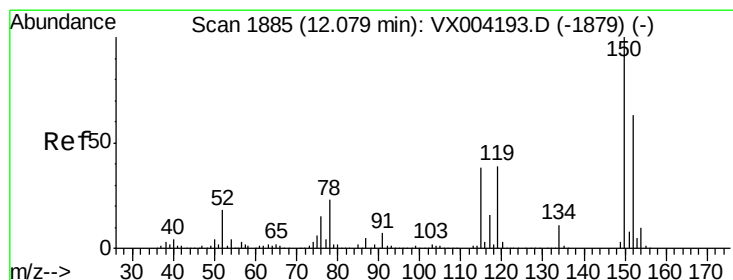
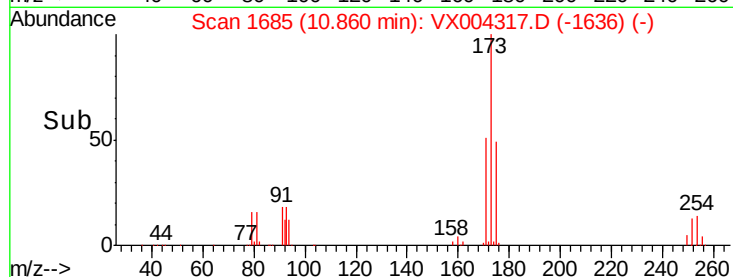
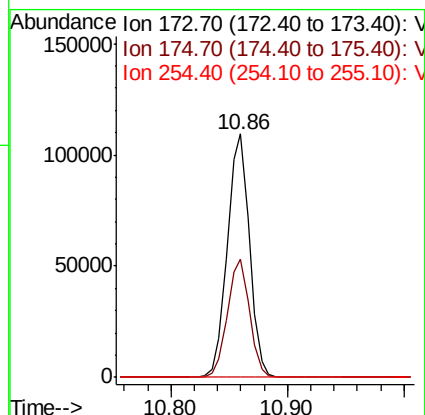
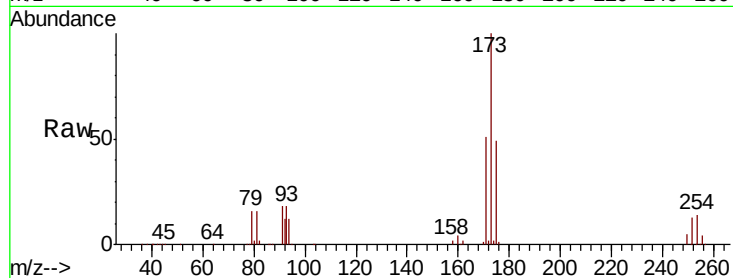




#71
Bromoform
Concen: 49.01 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

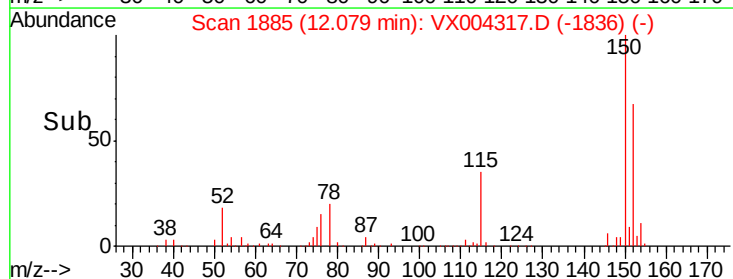
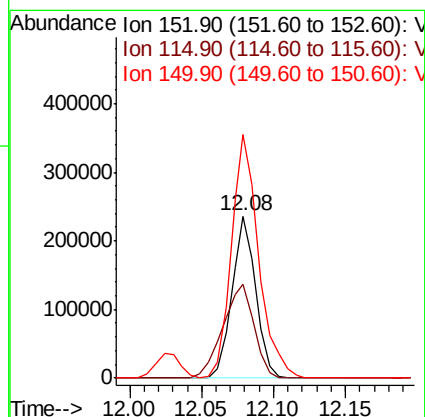
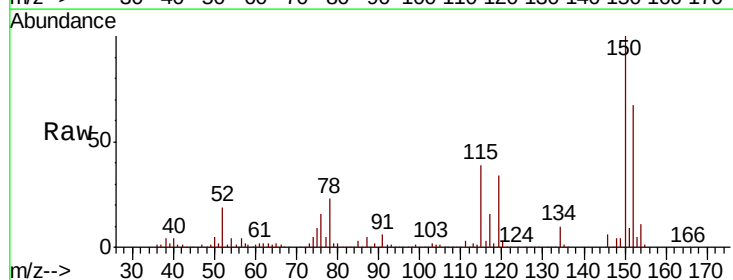
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

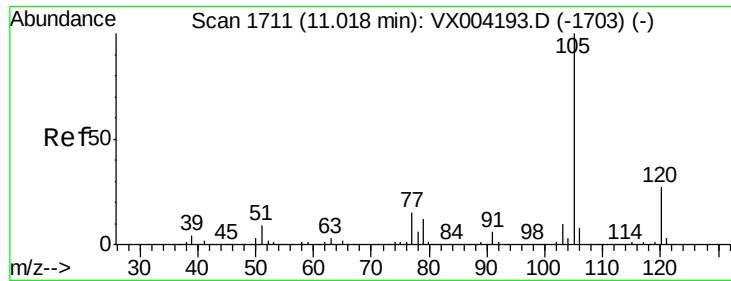
Tot Ion:173 Resp: 143626
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.3
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:152 Resp: 272859
Ion Ratio Lower Upper
152 100
115 75.6 39.0 117.0
150 172.3 0.0 351.0

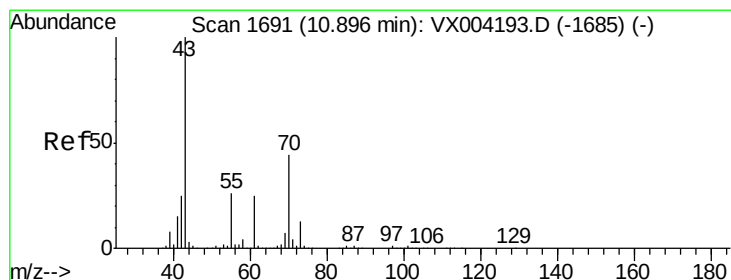
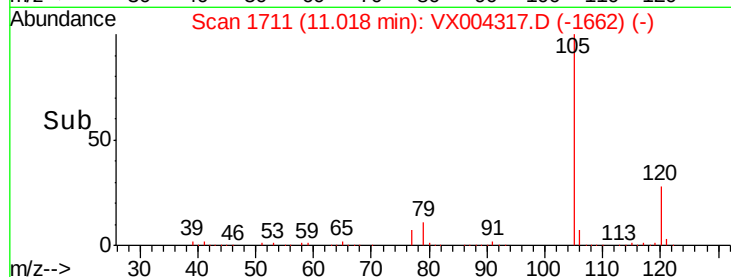
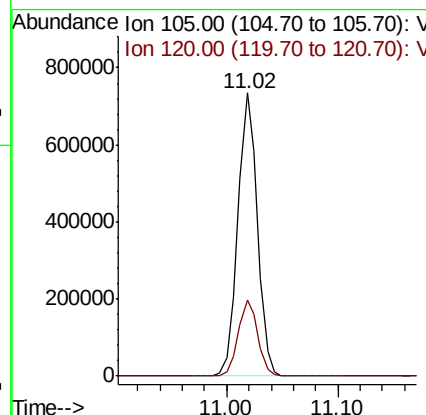
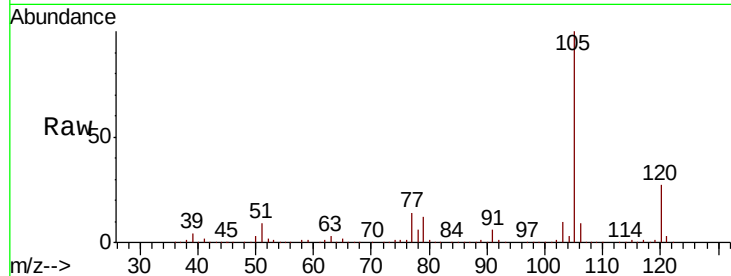




#73
Isopropylbenzene
Concen: 49.45 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

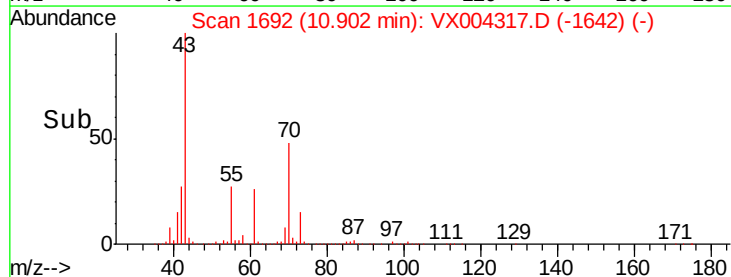
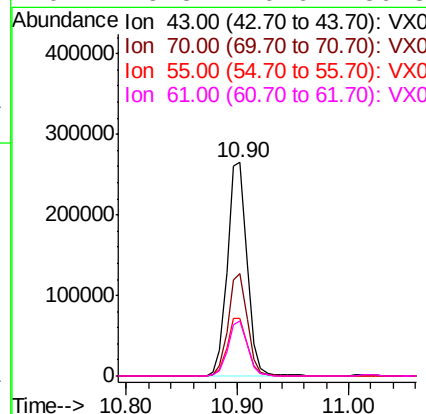
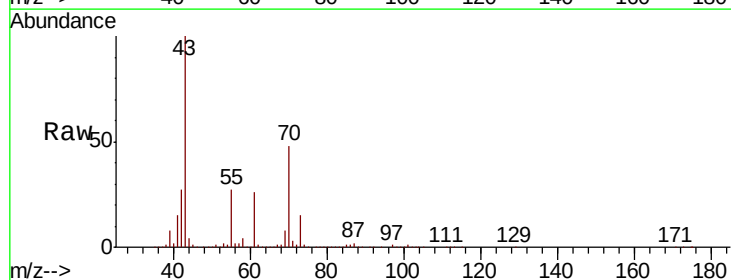
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

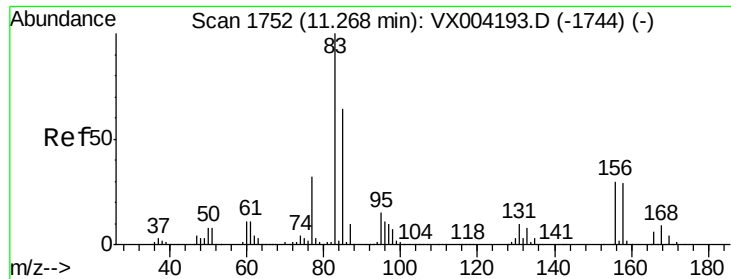
Tot Ion:105 Resp: 886281
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#74
N-ethyl acetate
Concen: 47.17 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 43 Resp: 325460
Ion Ratio Lower Upper
43 100
70 47.0 37.4 56.0
55 27.8 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

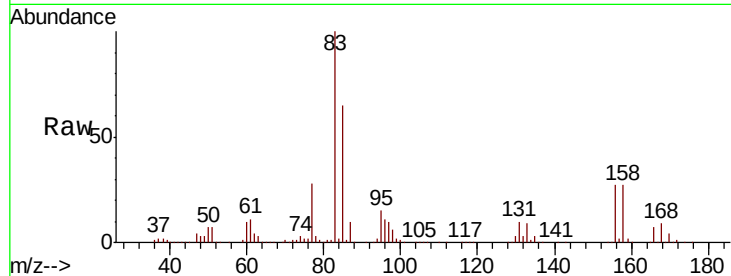
Tot Ion: 83 Resp: 284180

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

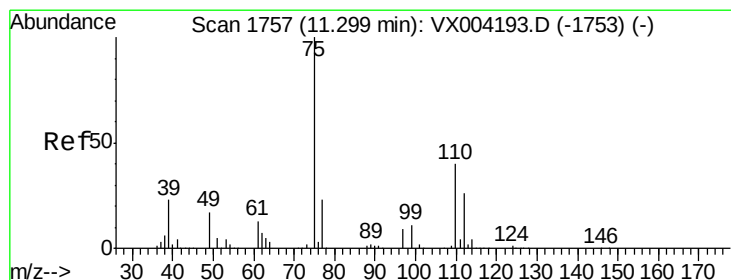
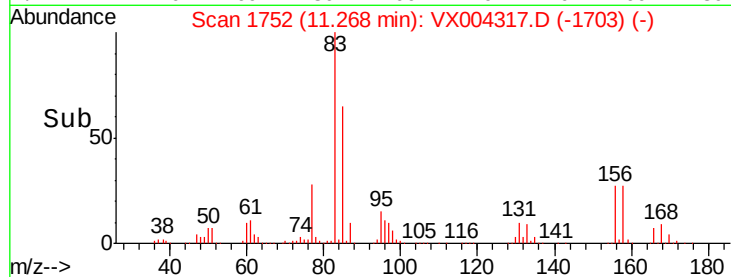
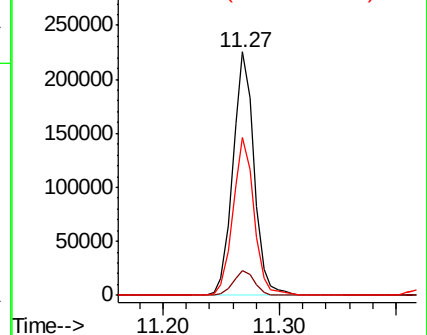
85 64.5 32.3 96.8



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: 59.35 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004317.D

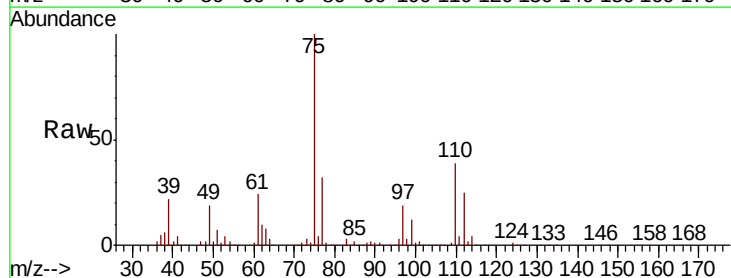
Acq: 30 Aug 2018 12:00

Tgt Ion: 75 Resp: 329337

Ion Ratio Lower Upper

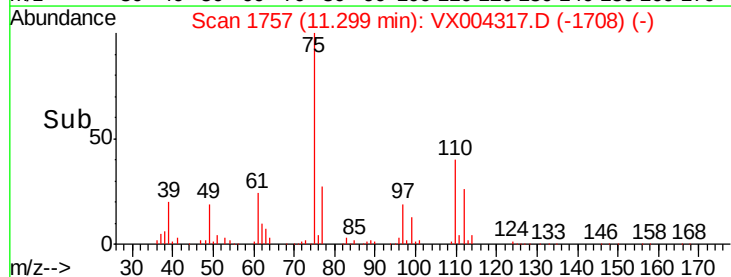
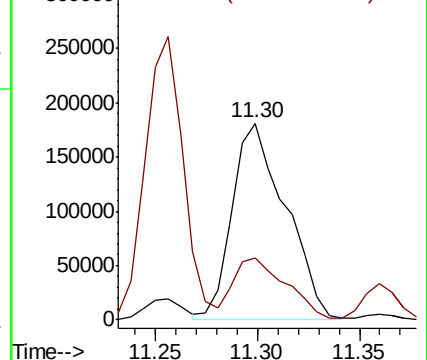
75 100

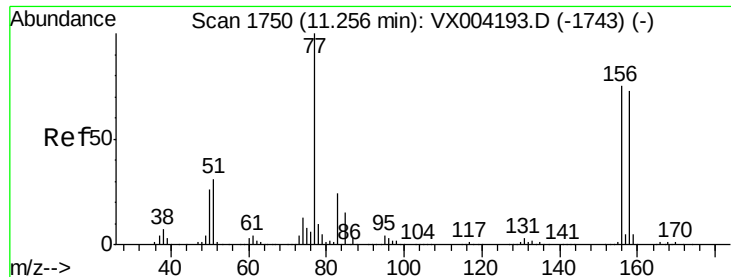
77 31.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

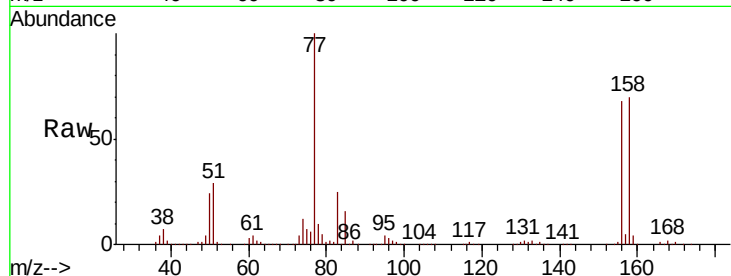
Tot Ion:156 Resp: 229628

Ion Ratio Lower Upper

156 100

77 147.3 71.5 214.3

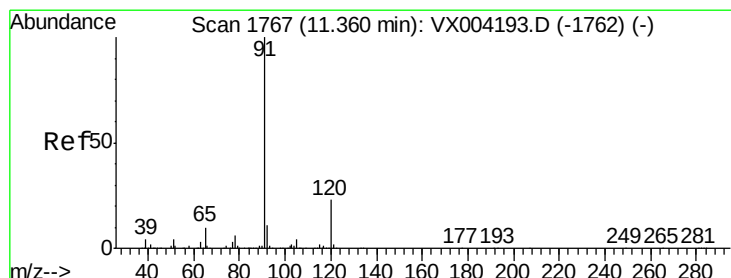
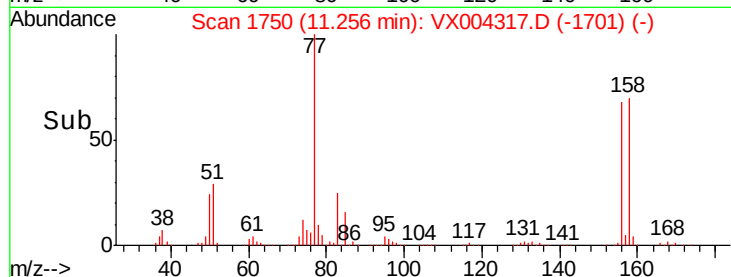
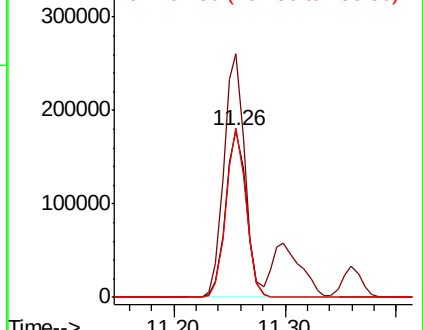
158 97.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.52 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004317.D

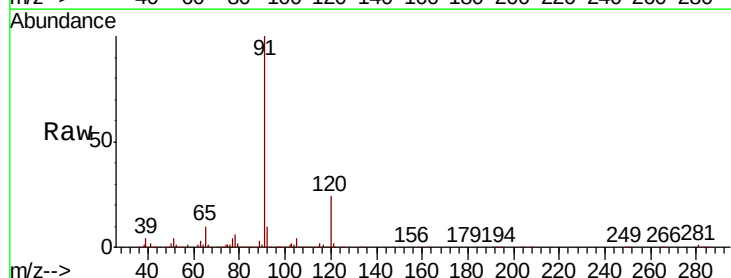
Acq: 30 Aug 2018 12:00

Tgt Ion: 91 Resp: 1020742

Ion Ratio Lower Upper

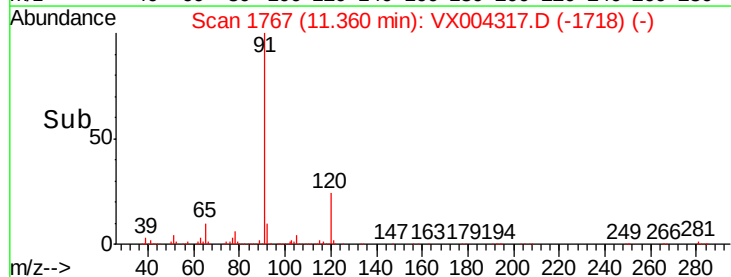
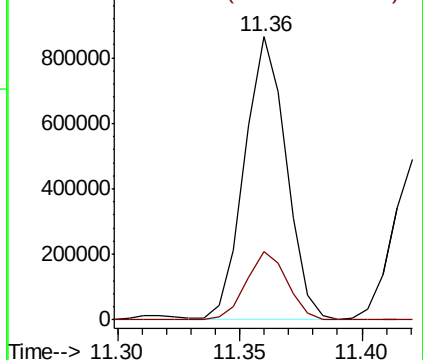
91 100

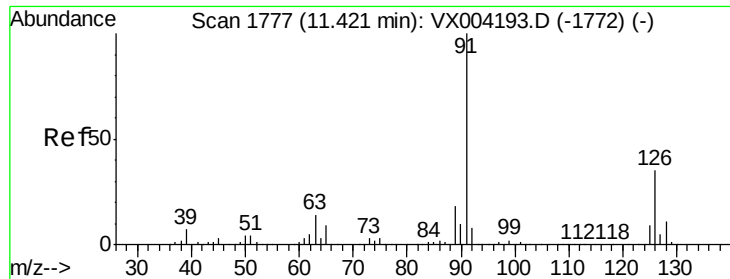
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

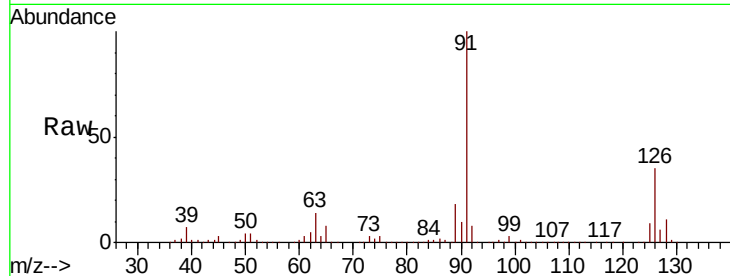




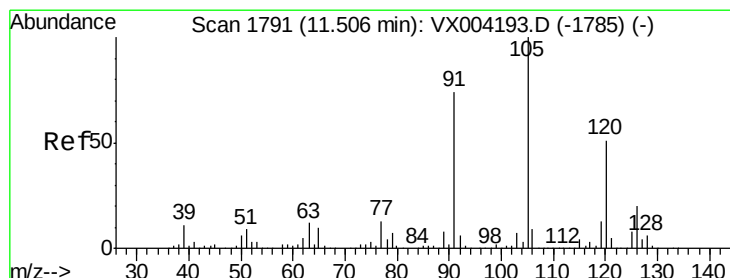
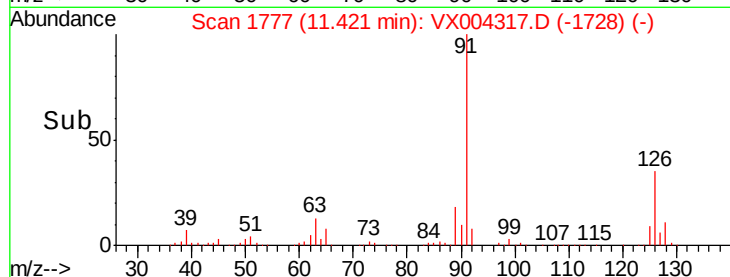
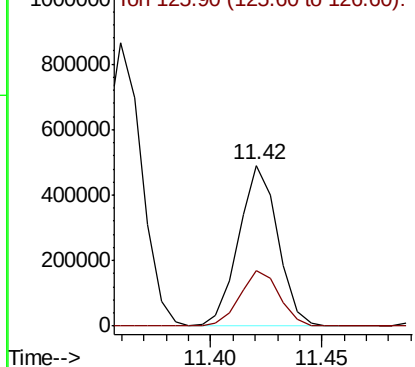
#79
 2-Chlorotoluene
 Concen: 47.22 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 599054
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.9 53.7

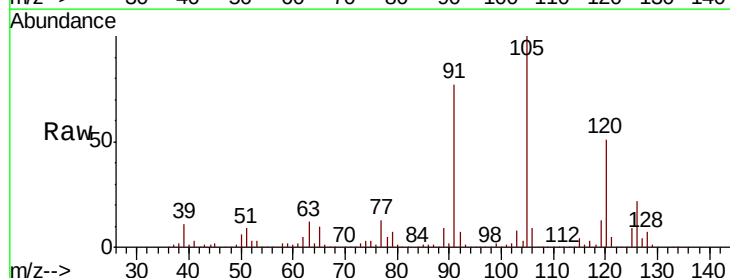


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

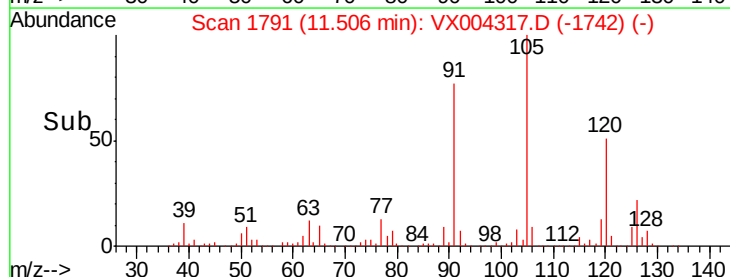
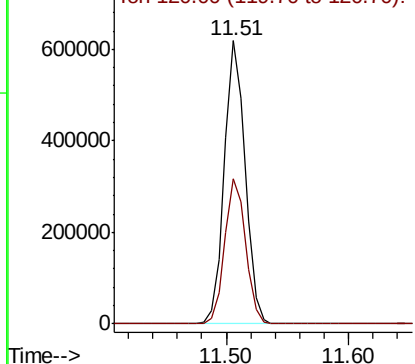


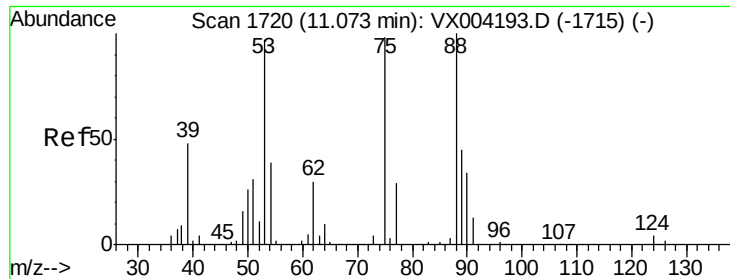
#80
 1,3,5-Trimethylbenzene
 Concen: 48.90 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion:105 Resp: 725696
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.6 76.8



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: 48.70 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

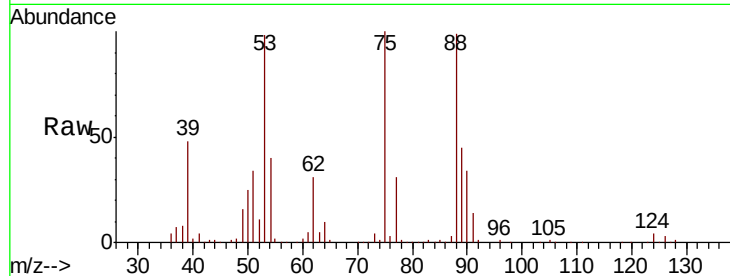
Tot Ion: 75 Resp: 83299

Ion Ratio Lower Upper

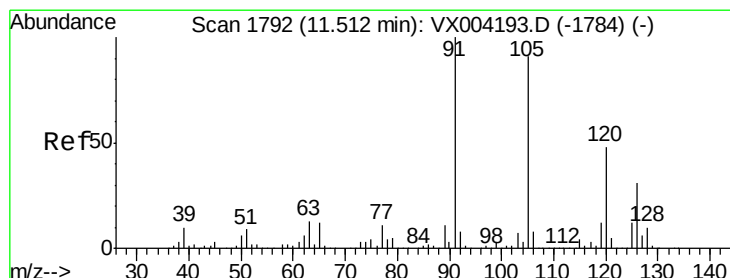
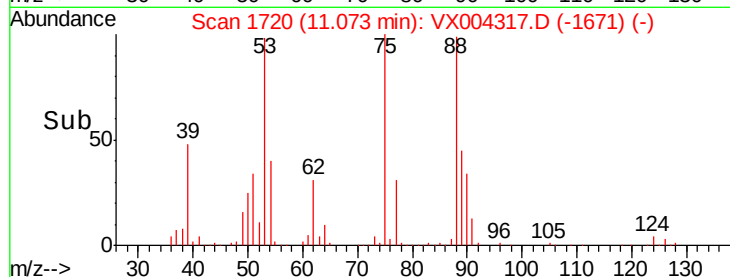
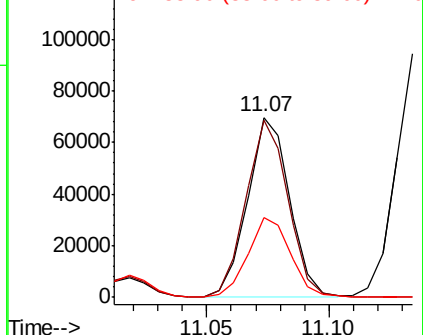
75 100

53 98.2 80.1 120.1

89 45.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004317.D

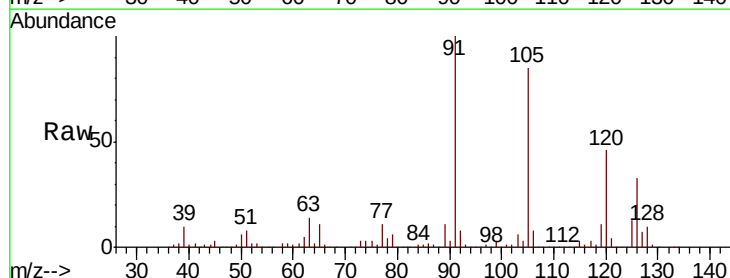
Acq: 30 Aug 2018 12:00

Tgt Ion: 91 Resp: 709963

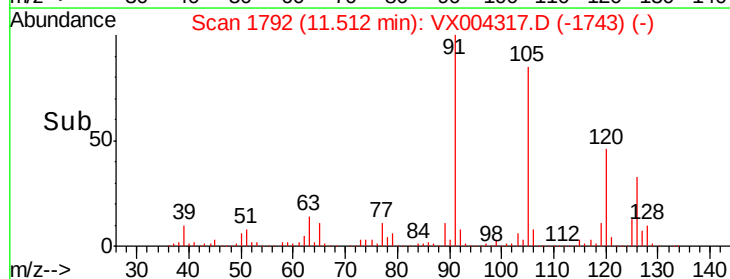
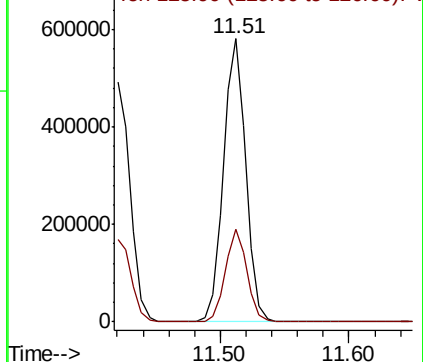
Ion Ratio Lower Upper

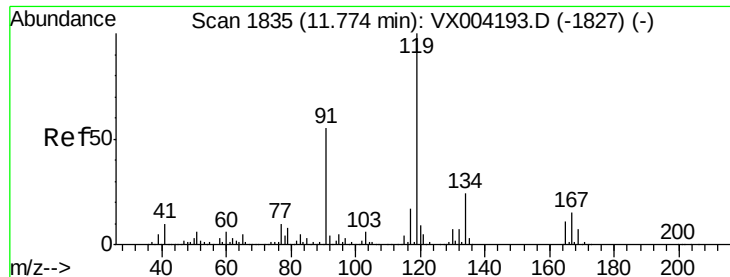
91 100

126 31.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

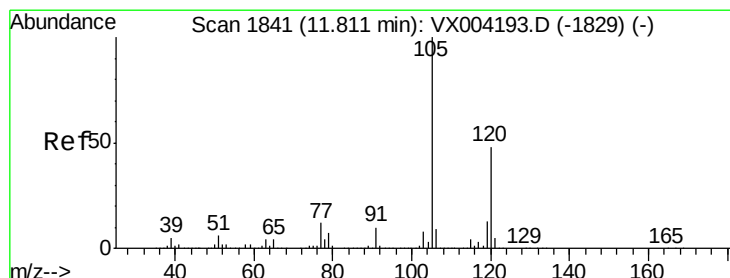
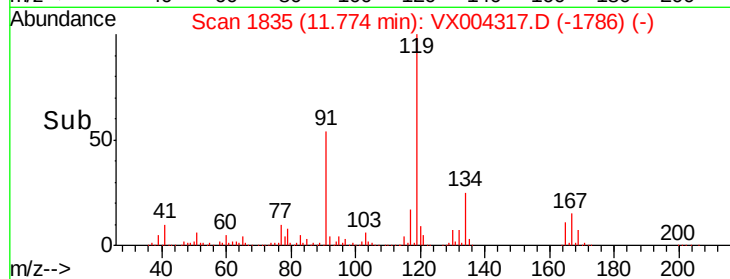
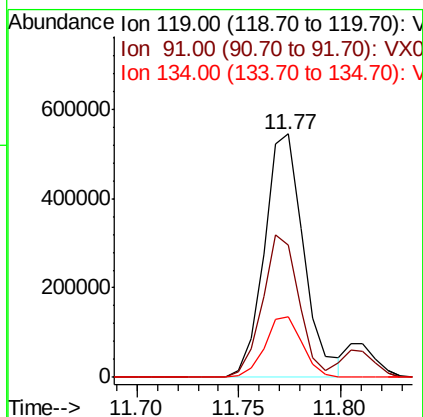
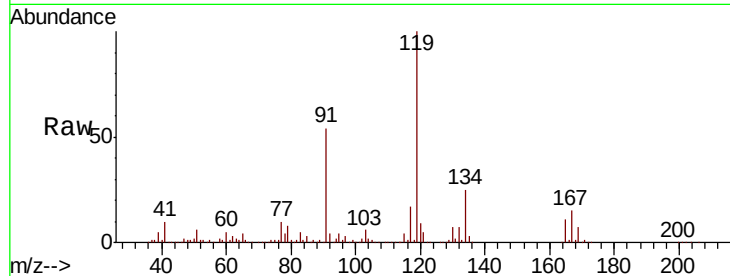




#83
 tert-Butylbenzene
 Concen: 49.12 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

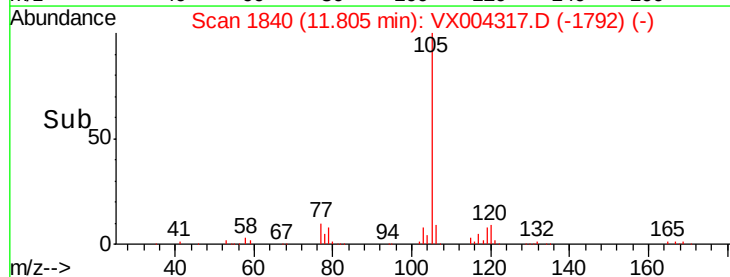
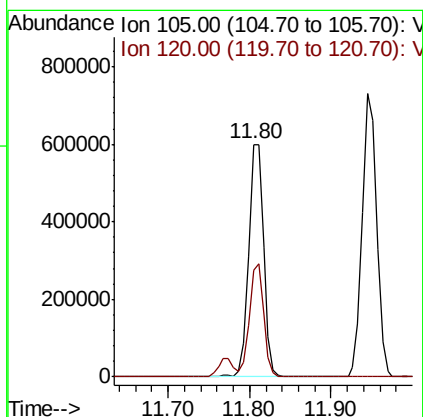
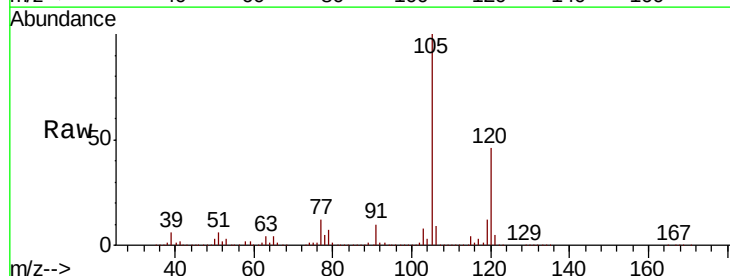
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

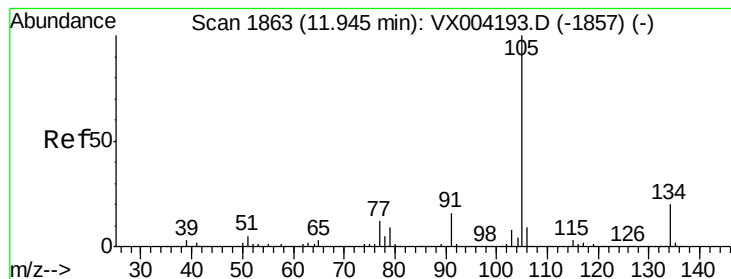
Tot Ion:119 Resp: 733447
 Ion Ratio Lower Upper
 119 100
 91 54.3 27.0 81.0
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.19 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion:105 Resp: 764654
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.00 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

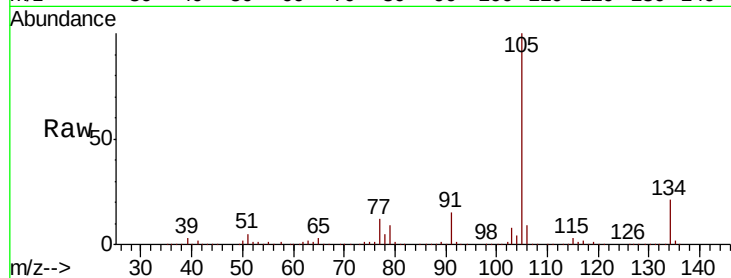
VSTDCCC050

Tot Ion:105 Resp: 886342

Ion Ratio Lower Upper

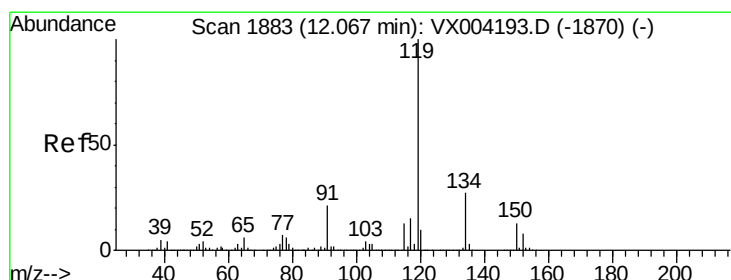
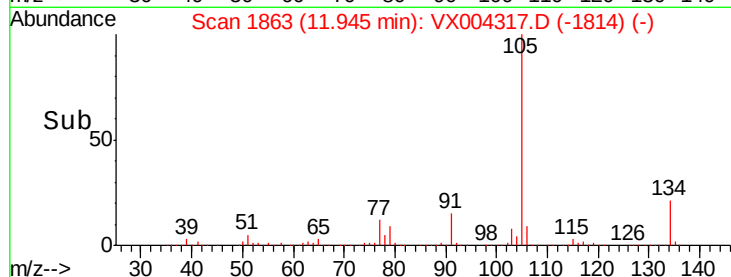
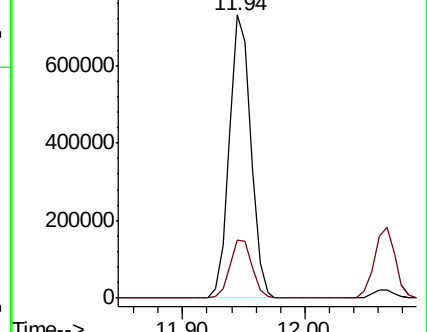
105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.69 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

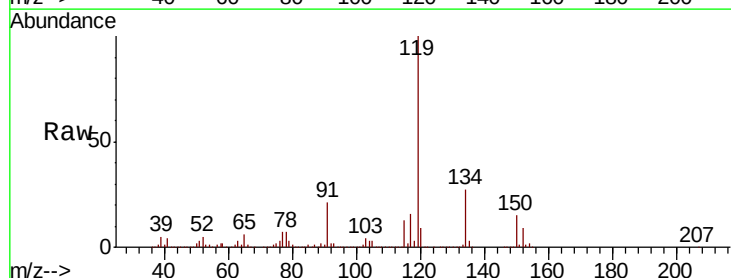
Tgt Ion:119 Resp: 805339

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

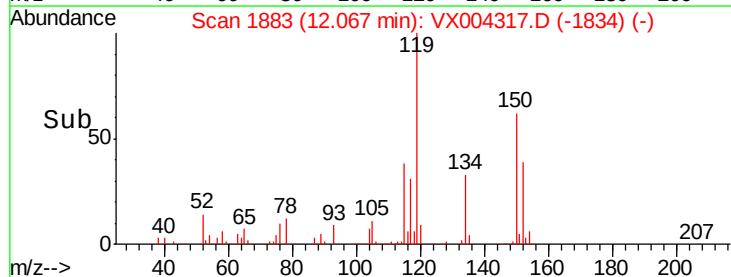
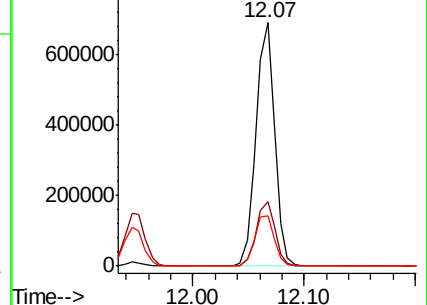
91 21.8 10.9 32.7

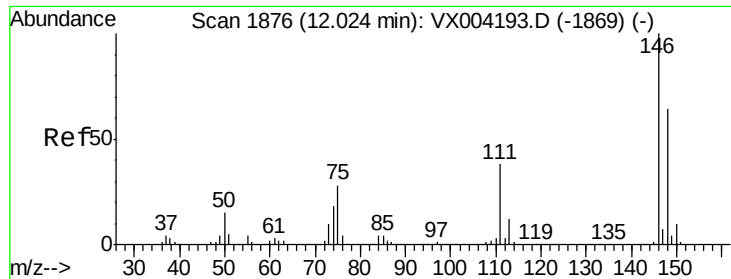


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

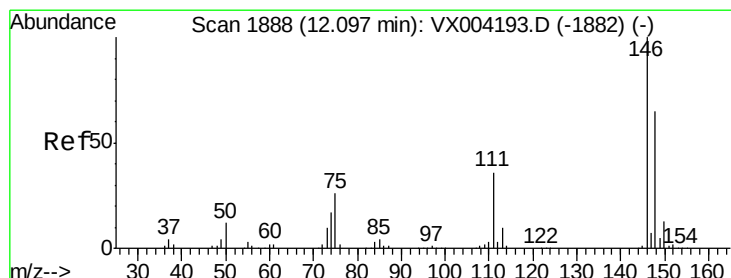
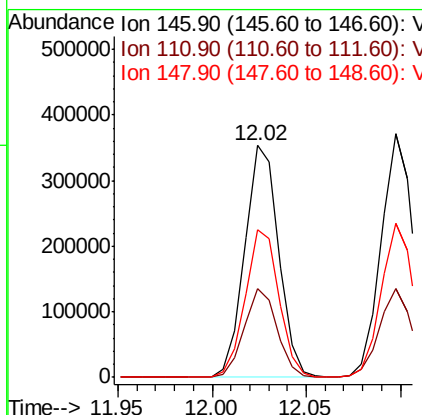
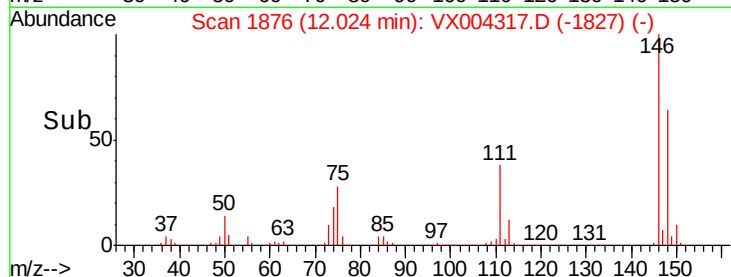
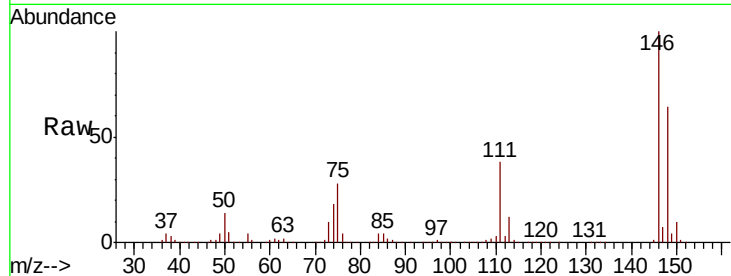




#87
 1,3-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

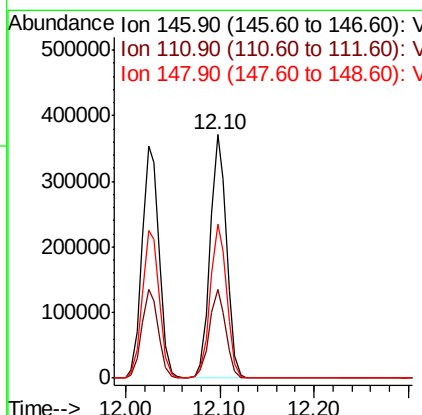
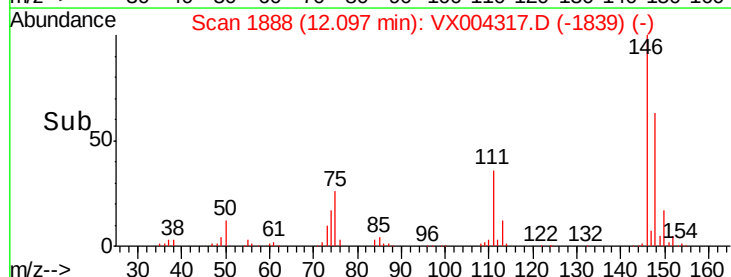
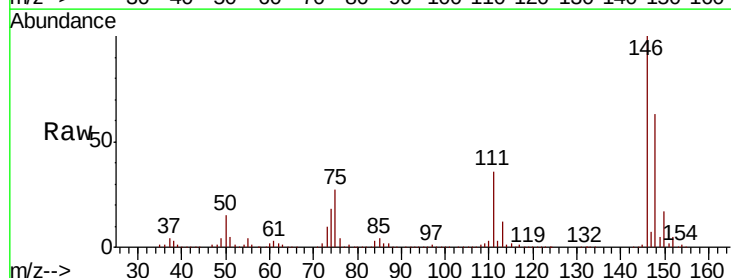
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

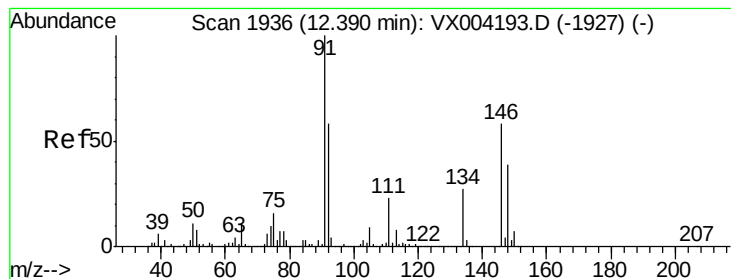
Tot Ion:146 Resp: 441994
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.7 56.1
 148 63.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 44.70 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion:146 Resp: 446117
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.1 54.1
 148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 51.38 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

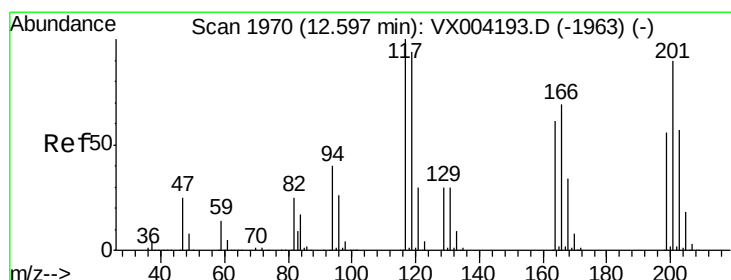
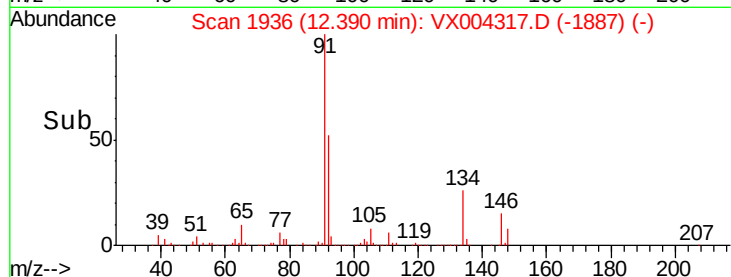
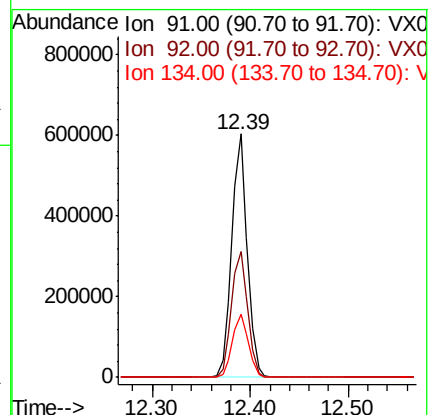
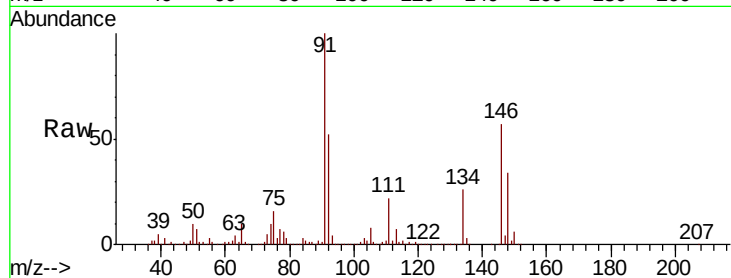
Tot Ion: 91 Resp: 663734

Ion Ratio Lower Upper

91 100

92 54.4 27.3 81.9

134 26.9 13.6 40.7



#90

Hexachloroethane

Concen: 50.76 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004317.D

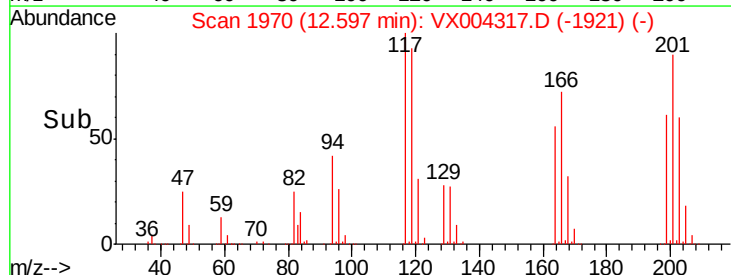
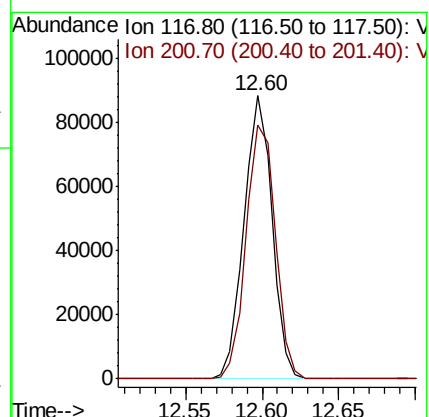
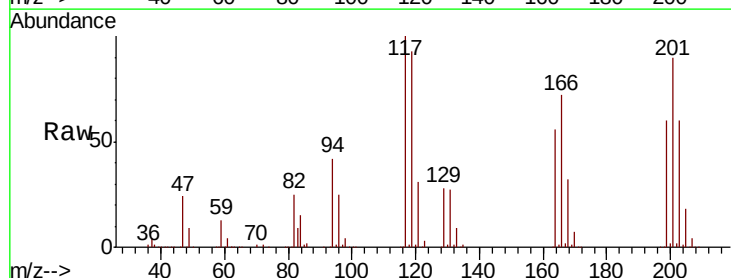
Acq: 30 Aug 2018 12:00

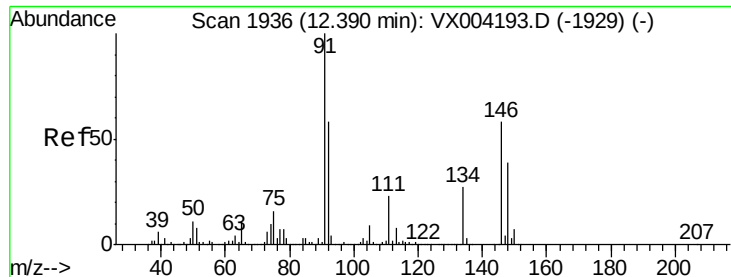
Tgt Ion: 117 Resp: 112725

Ion Ratio Lower Upper

117 100

201 93.8 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 47.98 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

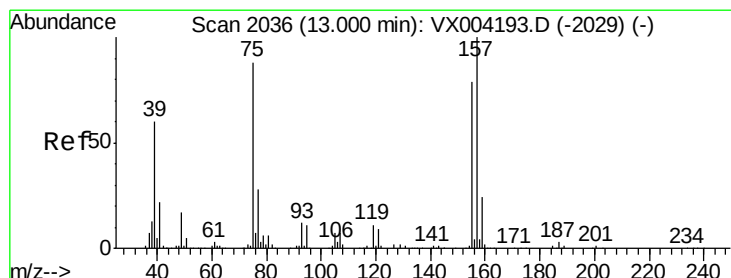
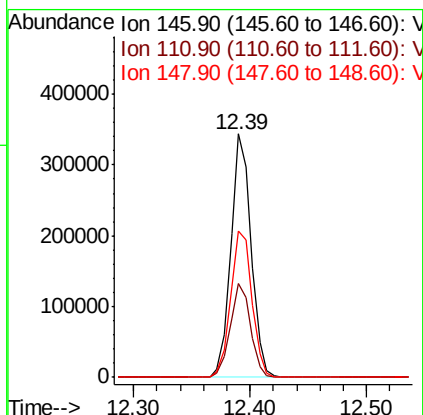
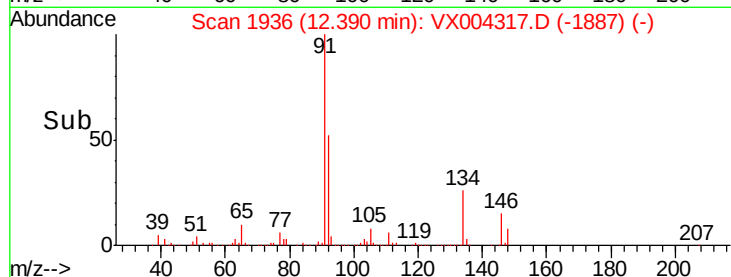
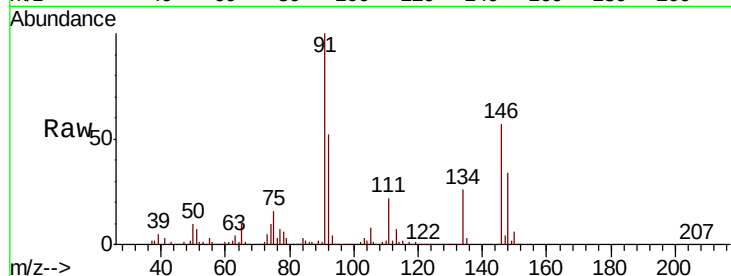
Tot Ion:146 Resp: 415065

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

148 63.5 32.8 98.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.75 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

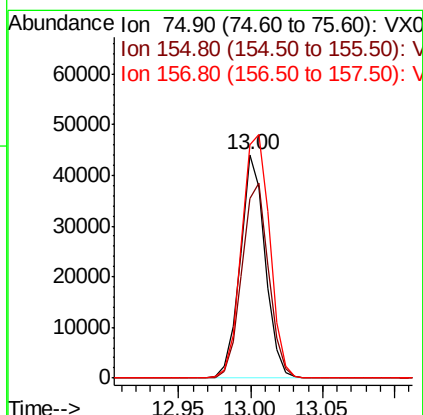
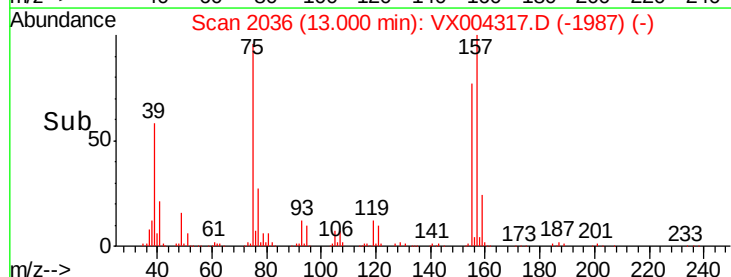
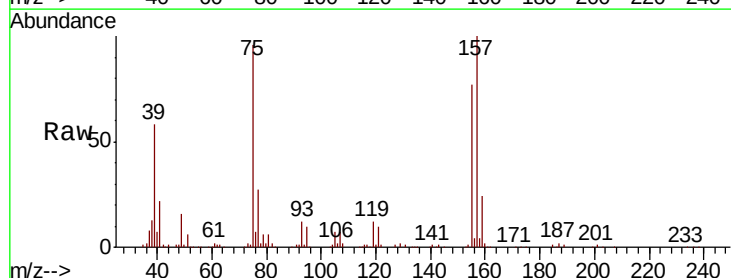
Tgt Ion: 75 Resp: 52750

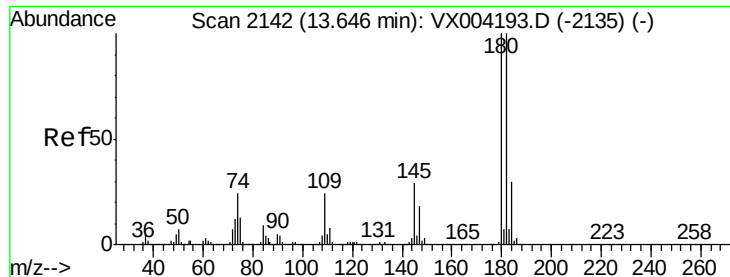
Ion Ratio Lower Upper

75 100

155 93.6 48.0 144.2

157 122.7 61.4 184.1

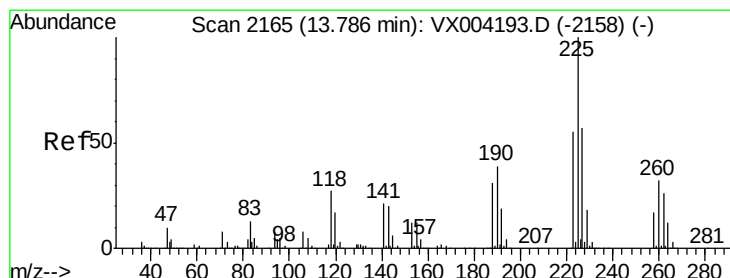
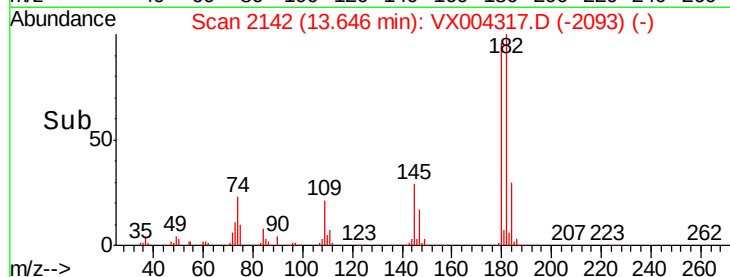
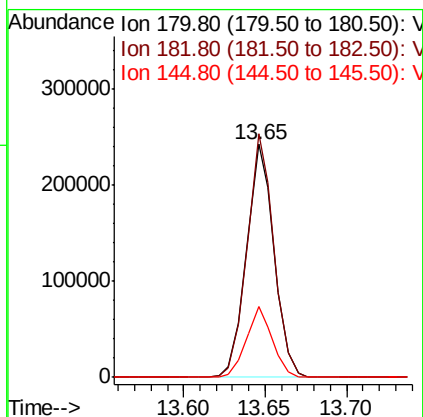
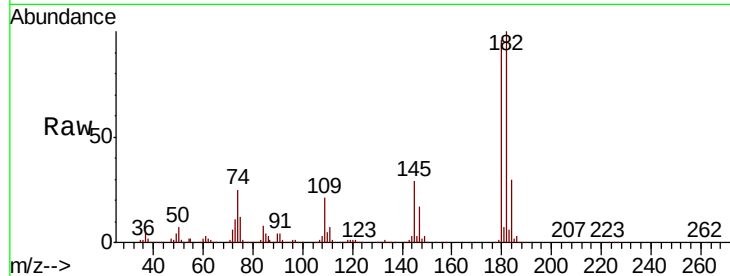




#93
 1,2,4-Trichlorobenzene
 Concen: 45.33 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

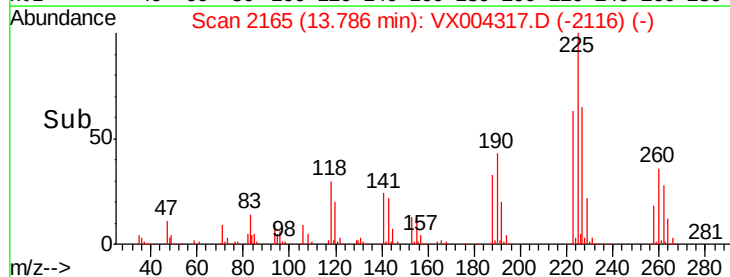
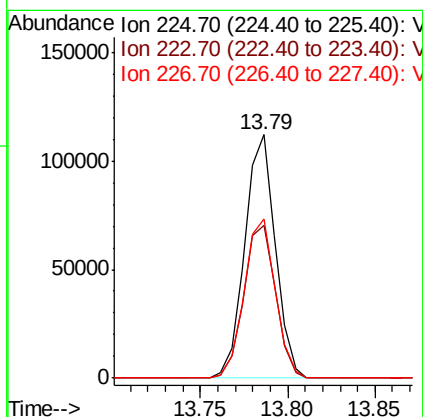
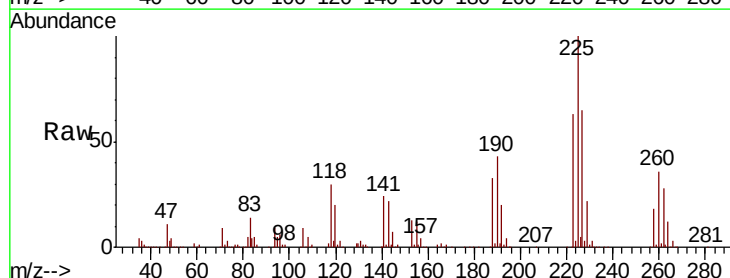
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

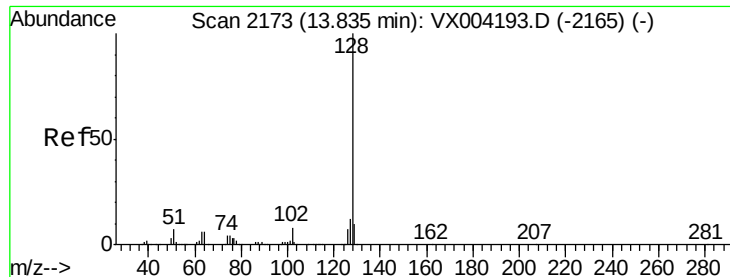
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	48.4	145.0
145	28.8	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 46.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	30.1	90.5
227	66.5	30.8	92.4





#95

Naphthalene

Concen: 48.75 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

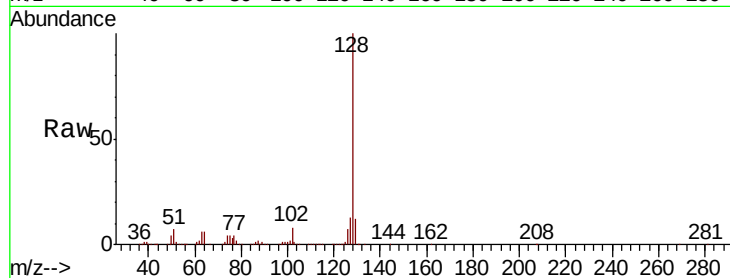
Tot Ion:128 Resp: 867829

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

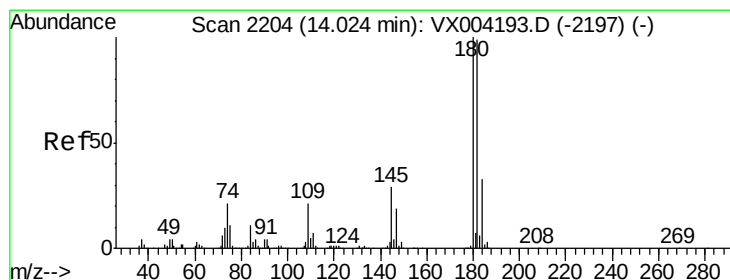
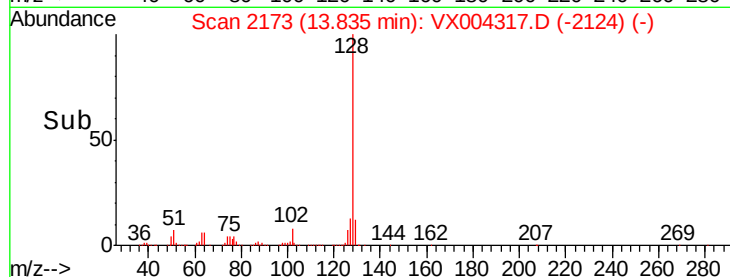
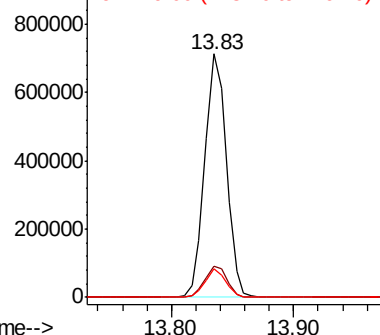
129 11.3 8.6 12.8



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: 48.29 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

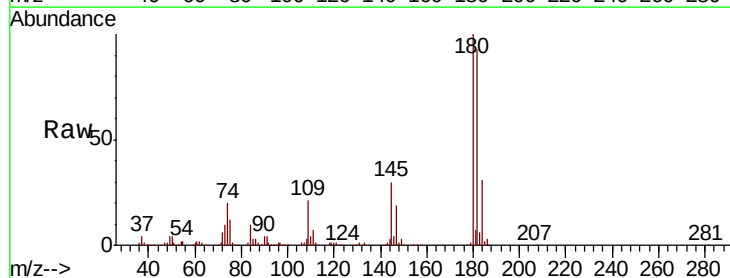
Tgt Ion:180 Resp: 321756

Ion Ratio Lower Upper

180 100

182 95.3 48.5 145.6

145 30.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

