

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004365.D
 Acq On : 05 Sep 2018 12:15
 Operator : JC/MD
 Sample : VX0905MBS01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 05 14:06:46 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	320874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	191579	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	163098	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.71	98	616824	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.14	95	228526	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67001	18.03	ug/l	99
3) Chloromethane	1.32	50	75662	18.60	ug/l	100
4) Vinyl Chloride	1.40	62	79111	18.82	ug/l	100
5) Bromomethane	1.64	94	39364	17.68	ug/l	98
6) Chloroethane	1.71	64	53135	17.15	ug/l	95
7) Trichlorofluoromethane	1.92	101	106950	18.56	ug/l	94
8) Diethyl Ether	2.19	74	48330	19.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69060	19.14	ug/l	100
10) Methyl Iodide	2.51	142	62166	18.23	ug/l	97
11) Tert butyl alcohol	3.07	59	92096	103.31	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63848	18.78	ug/l	97
13) Acrolein	2.29	56	21231	98.78	ug/l	95
14) Allyl chloride	2.73	41	126022	20.18	ug/l	96
15) Acrylonitrile	3.15	53	225124	101.97	ug/l	100
16) Acetone	2.45	43	193306	108.66	ug/l	99
17) Carbon Disulfide	2.57	76	150395	16.47	ug/l	99
18) Methyl Acetate	2.78	43	162145	26.13	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	228456	20.39	ug/l	97
20) Methylene Chloride	2.85	84	77193	19.17	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	68607	18.23	ug/l	96
22) Diisopropyl ether	3.87	45	236427	20.28	ug/l	99
23) Vinyl Acetate	3.82	43	883922	93.53	ug/l	100
24) 1,1-Dichloroethane	3.69	63	132953	19.56	ug/l	98
25) 2-Butanone	4.70	43	292672	102.76	ug/l	100
26) 2,2-Dichloropropane	4.58	77	102601	19.25	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	81318	19.06	ug/l	99
28) Bromochloromethane	5.01	49	59521	19.78	ug/l	100
29) Tetrahydrofuran	5.16	42	183593	102.17	ug/l	100
30) Chloroform	5.21	83	133370	19.57	ug/l	100
31) Cyclohexane	5.57	56	109818	18.73	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	109600	19.29	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97017	18.38	ug/l	98
37) Ethyl Acetate	4.86	43	101203	19.50	ug/l	99
38) Carbon Tetrachloride	5.78	117	92719	18.68	ug/l	97

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 Misc : 5.0µL/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 05 14:06:46 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)
39) Methylcyclohexane	7.46	83	110299	18.31	ug/l	98
40) Benzene	6.14	78	304521	19.31	ug/l	100
41) Methacrylonitrile	5.06	41	61401	20.41	ug/l	99
42) 1,2-Dichloroethane	6.20	62	102749	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	157106	19.70	ug/l	99
44) Trichloroethene	7.21	130	81648	18.70	ug/l	96
45) 1,2-Dichloropropane	7.52	63	77805	19.71	ug/l	98
46) Dibromomethane	7.66	93	49786	18.95	ug/l	99
47) Bromodichloromethane	7.90	83	93897	19.20	ug/l	99
48) Methyl methacrylate	7.78	41	83866	19.65	ug/l	99
49) 1,4-Dioxane	7.76	88	39493	407.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	560531	96.73	ug/l	100
52) Toluene	8.79	92	194363	19.69	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102891	19.05	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	117206	19.92	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	80249	20.14	ug/l	99
56) Ethyl methacrylate	9.18	69	108018	19.91	ug/l	99
57) 1,3-Dichloropropane	9.37	76	134071	19.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	270353	97.27	ug/l	99
59) 2-Hexanone	9.50	43	426506	96.48	ug/l	99
60) Dibromochloromethane	9.59	129	73402	18.91	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81073	19.66	ug/l	98
64) Tetrachloroethene	9.34	164	86496	20.68	ug/l	99
65) Chlorobenzene	10.14	112	211736	19.93	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	69846	19.06	ug/l	98
67) Ethyl Benzene	10.25	91	345533	20.02	ug/l	98
68) m/p-Xylenes	10.36	106	266878	39.55	ug/l	98
69) o-Xylene	10.70	106	130459	20.44	ug/l	99
70) Styrene	10.71	104	220144	21.30	ug/l	99
71) Bromoform	10.86	173	55400	18.75	ug/l #	99
73) Isopropylbenzene	11.02	105	367631	20.81	ug/l	100
74) N-amyl acetate	10.90	43	132472	19.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118695	19.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	132912	24.30	ug/l	87
77) Bromobenzene	11.26	156	98528	19.88	ug/l	98
78) n-propylbenzene	11.36	91	418295	20.59	ug/l	100
79) 2-Chlorotoluene	11.42	91	250576	20.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	303991	20.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31264	18.54	ug/l	96
82) 4-Chlorotoluene	11.51	91	292107	19.85	ug/l	100
83) tert-Butylbenzene	11.77	119	299604	20.36	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	309061	20.58	ug/l	98
85) sec-Butylbenzene	11.94	105	369976	21.17	ug/l	100
86) p-Isopropyltoluene	12.07	119	328666	20.99	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	177720	19.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182549	18.56	ug/l	99
89) n-Butylbenzene	12.39	91	248643	19.53	ug/l	98
90) Hexachloroethane	12.60	117	42338	19.34	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	162295	19.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20523	18.85	ug/l	98

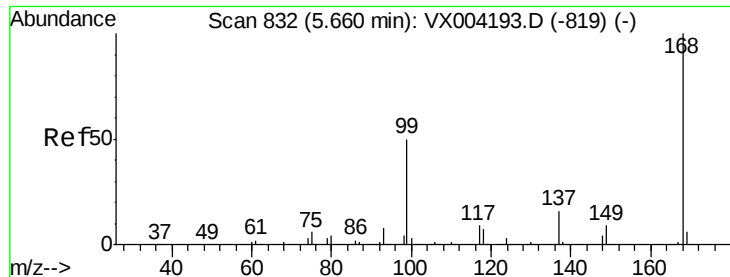
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090518\
Data File : VX004365.D
Acq On : 05 Sep 2018 12:15
Operator : JC/MD
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 05 14:06:46 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	126219	20.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	66461	22.95	ug/l	96
95) Naphthalene	13.83	128	382486	21.80	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134072	20.41	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

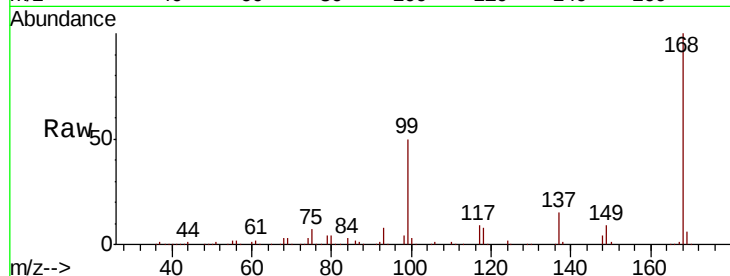
ClientSampleId :

Tot Ion:168 Resp: 320874

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

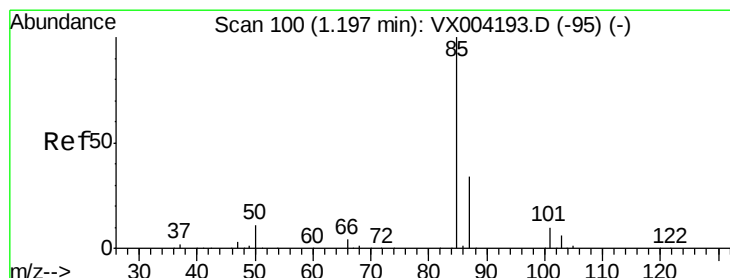
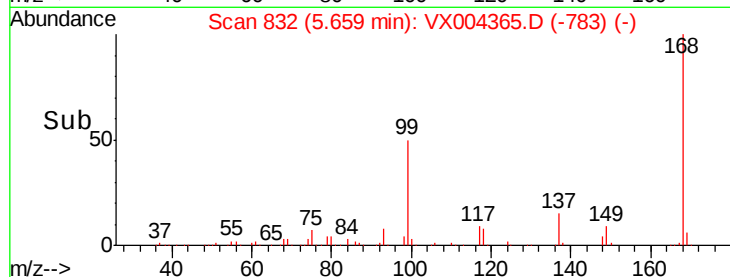
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.03 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004365.D

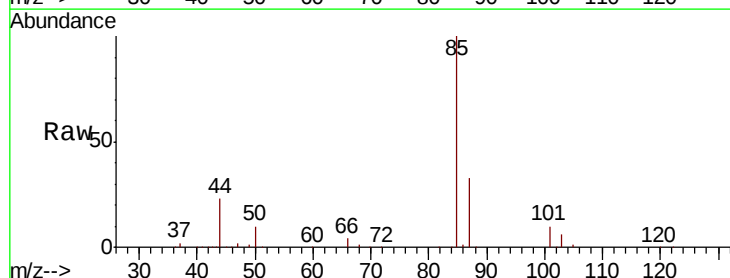
Acq: 05 Sep 2018 12:15

Tgt Ion: 85 Resp: 67001

Ion Ratio Lower Upper

85 100

87 33.1 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

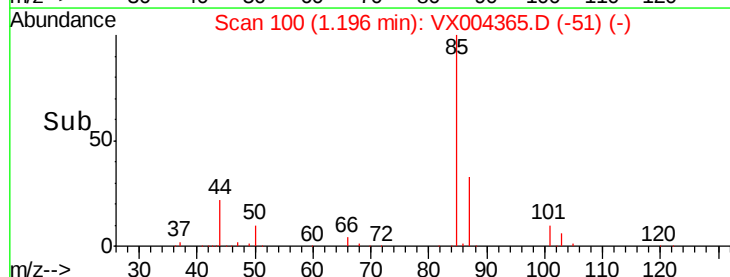
60000

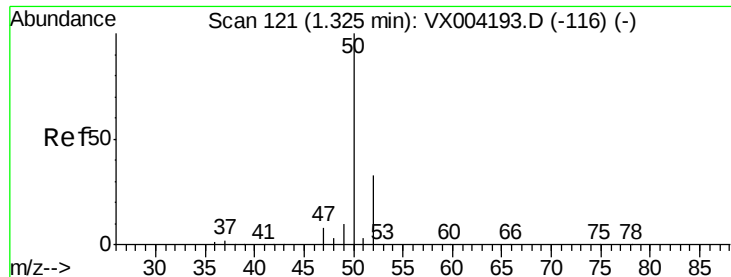
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.60 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

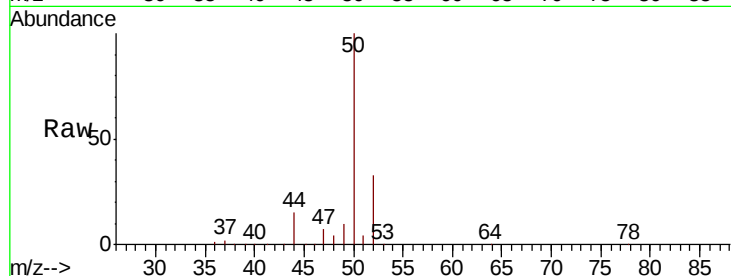
ClientSampleId :

Tot Ion: 50 Resp: 75662

Ion Ratio Lower Upper

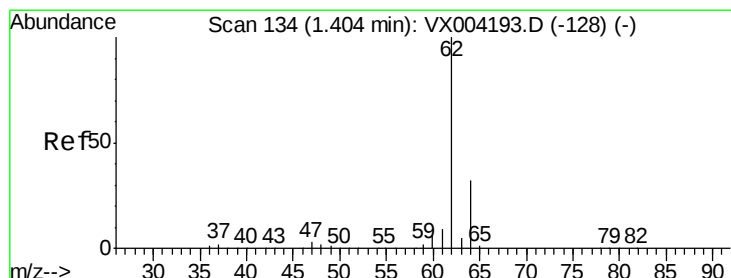
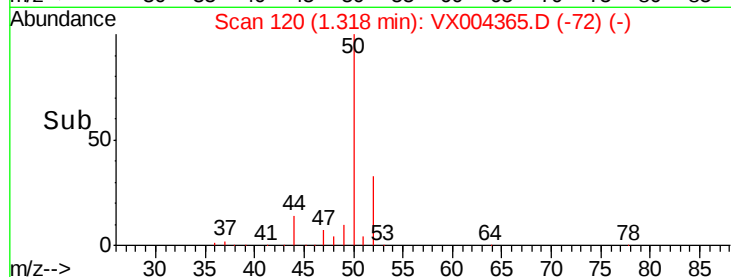
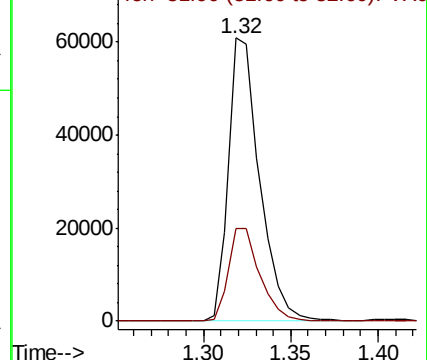
50 100

52 32.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.82 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004365.D

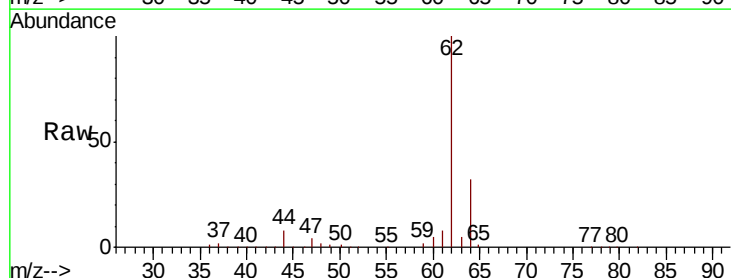
Acq: 05 Sep 2018 12:15

Tgt Ion: 62 Resp: 79111

Ion Ratio Lower Upper

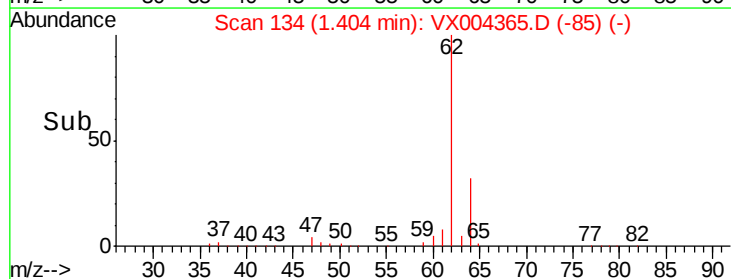
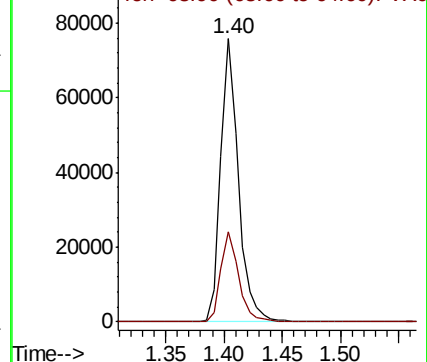
62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

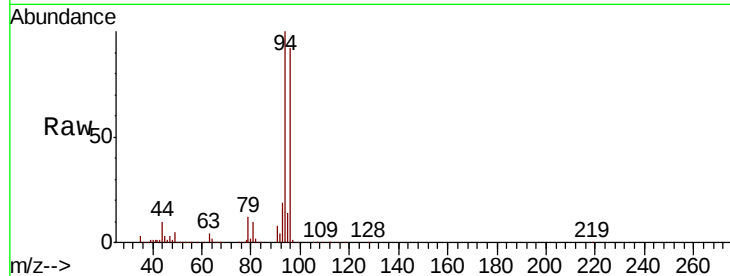
ClientSampleId :

Tot Ion: 94 Resp: 39364

Ion Ratio Lower Upper

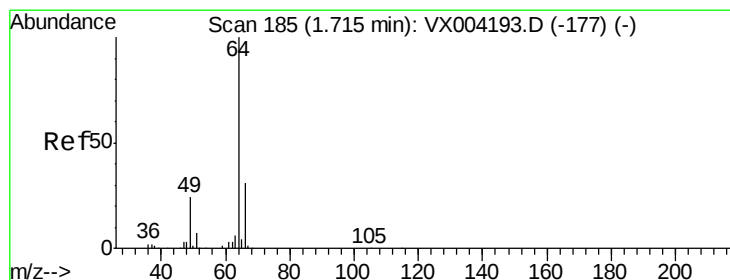
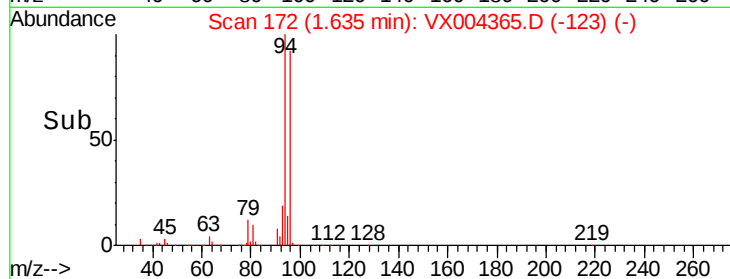
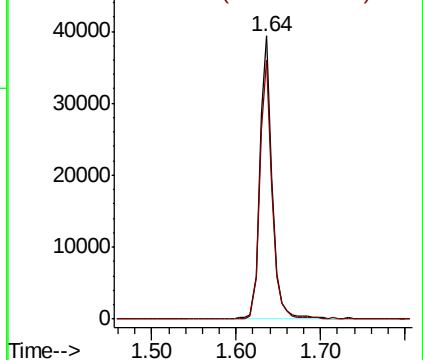
94 100

96 91.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.15 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004365.D

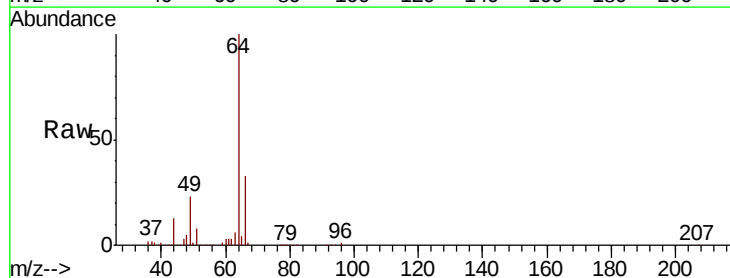
Acq: 05 Sep 2018 12:15

Tgt Ion: 64 Resp: 53135

Ion Ratio Lower Upper

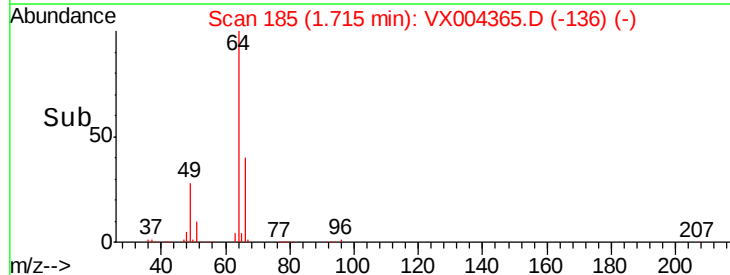
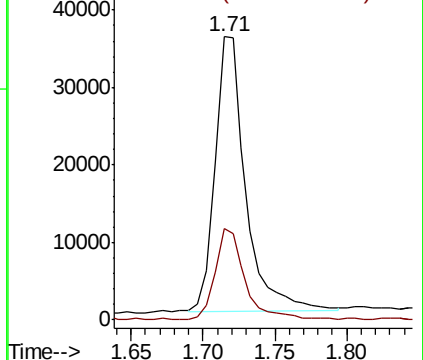
64 100

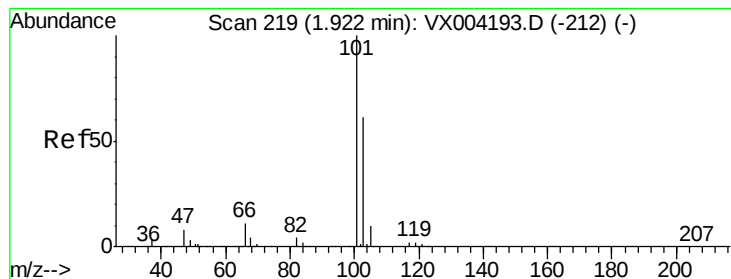
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



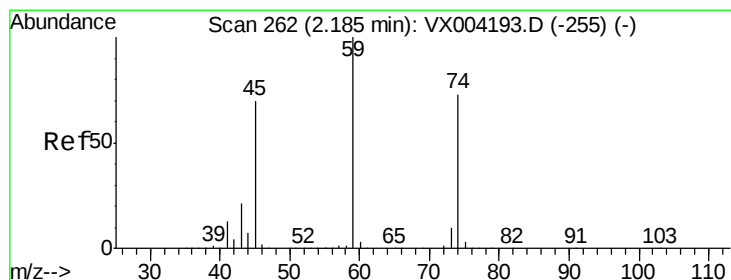
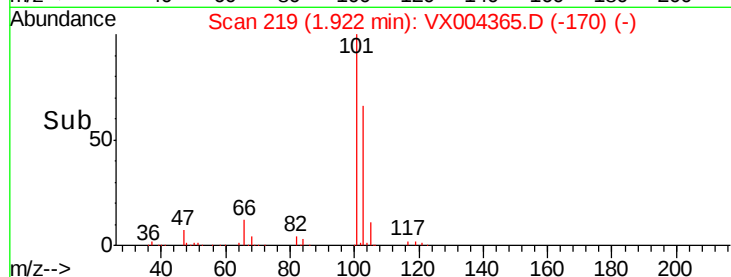
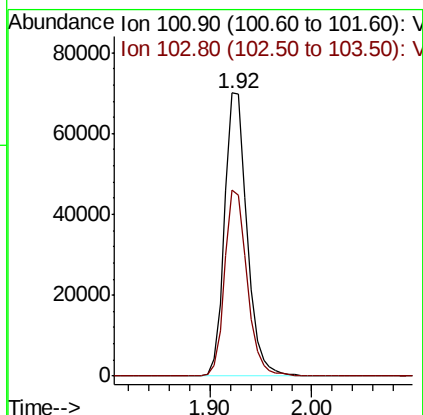
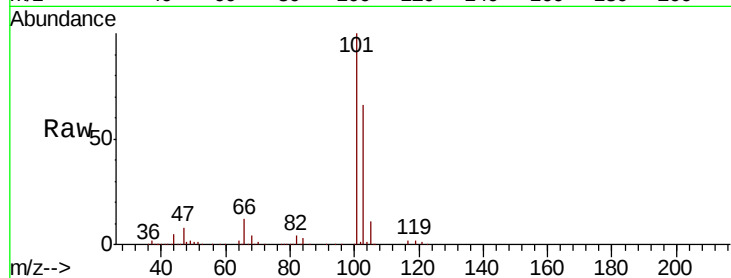


#7

Trichlorofluoromethane
 Concen: 18.56 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :

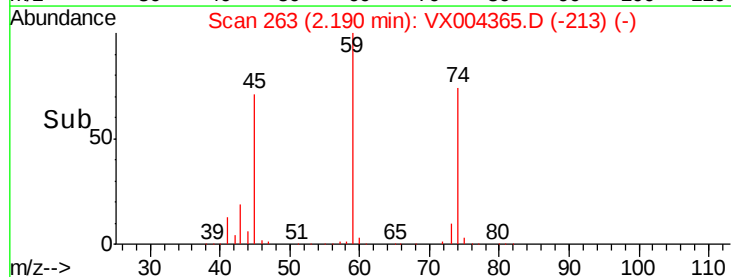
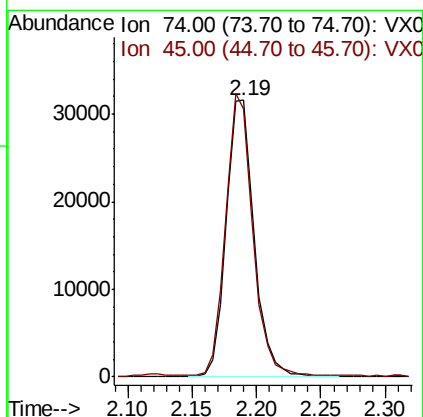
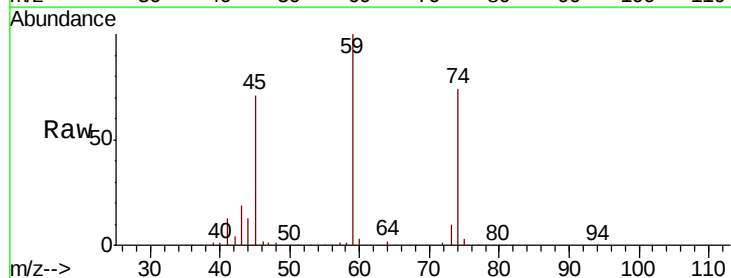
Tot Ion:101 Resp: 106950
 Ion Ratio Lower Upper
 101 100
 103 65.8 48.9 73.3

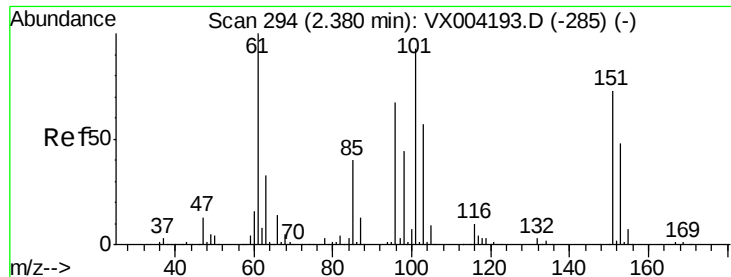


#8

Diethyl Ether
 Concen: 19.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion: 74 Resp: 48330
 Ion Ratio Lower Upper
 74 100
 45 99.3 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

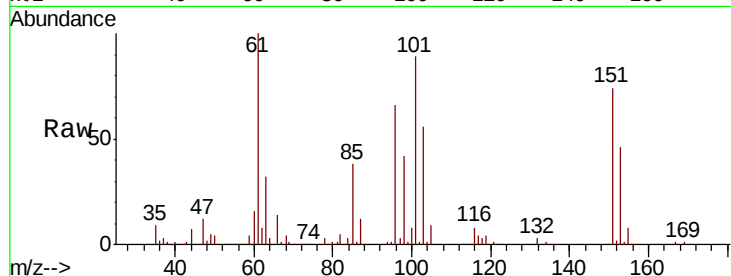
Tot Ion:101 Resp: 69060

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

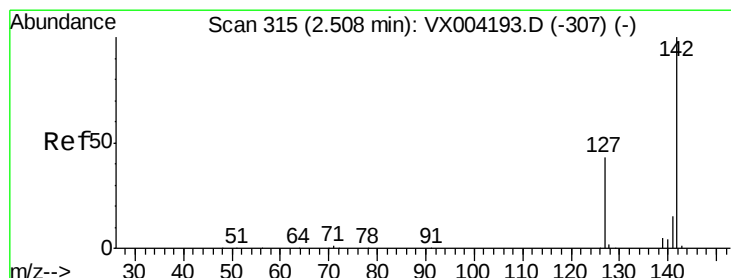
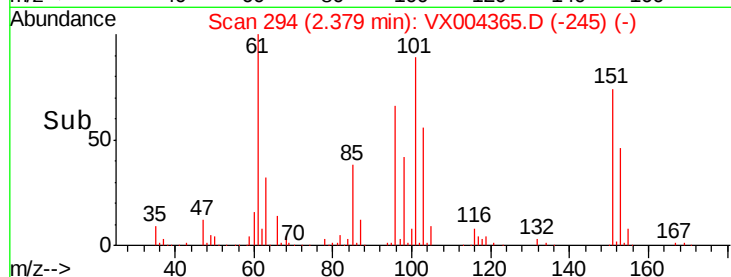
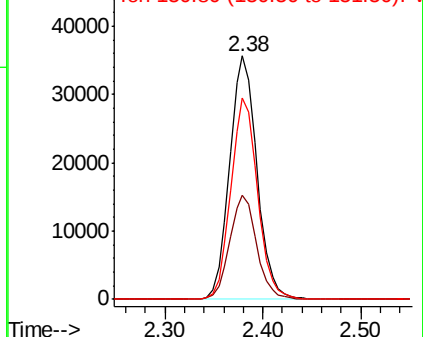
151 81.1 65.0 97.6



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: 18.23 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

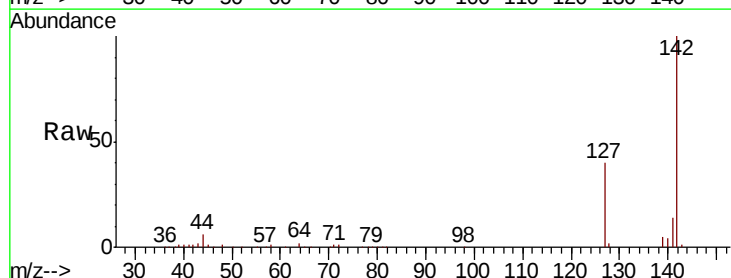
Tgt Ion:142 Resp: 62166

Ion Ratio Lower Upper

142 100

127 39.7 33.8 50.6

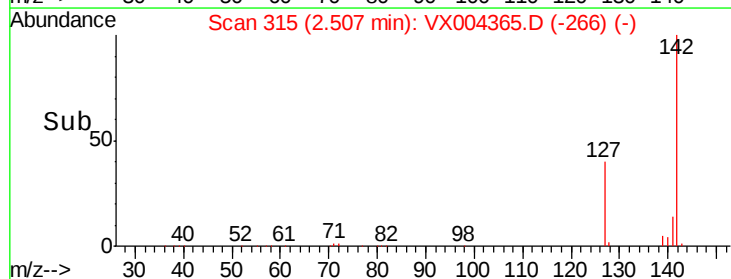
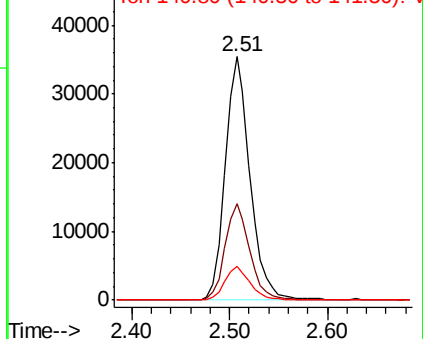
141 14.1 11.4 17.0



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

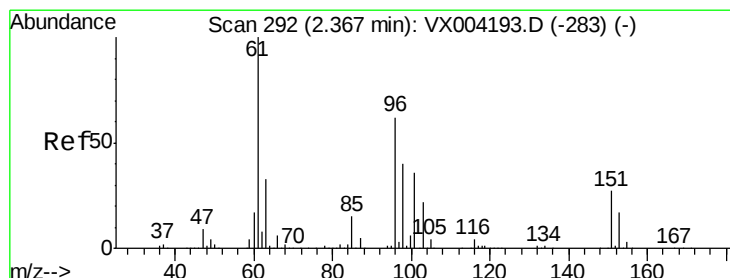
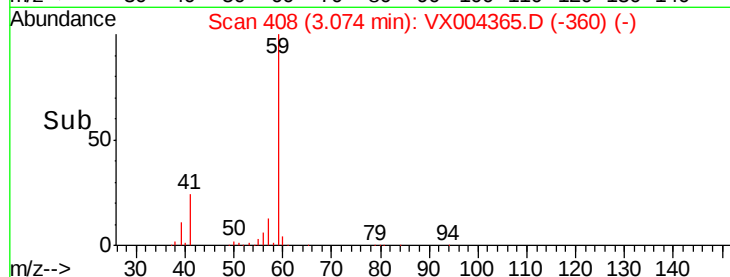
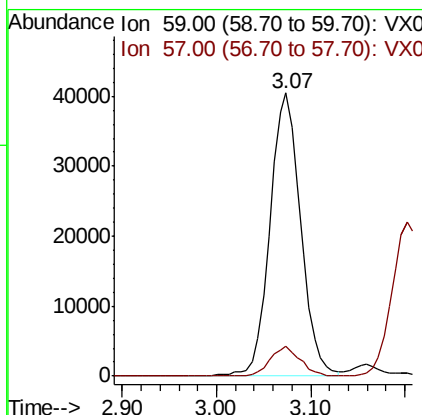
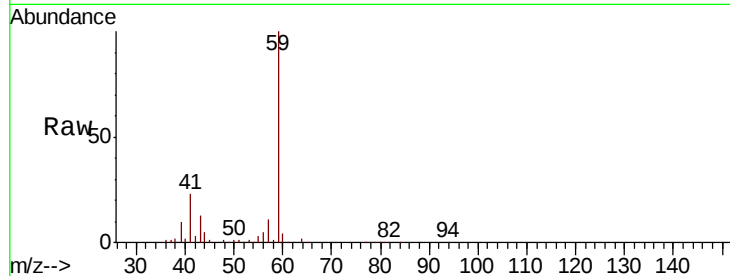




#11
Tert butyl alcohol
Concen: 103.31 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

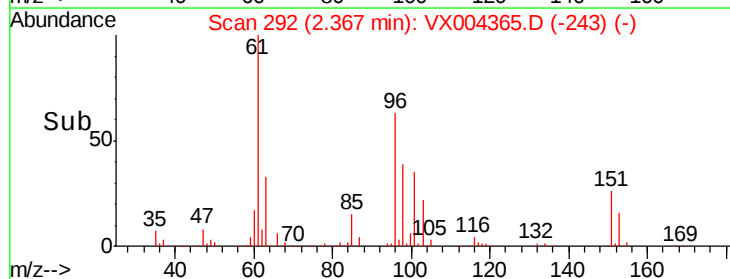
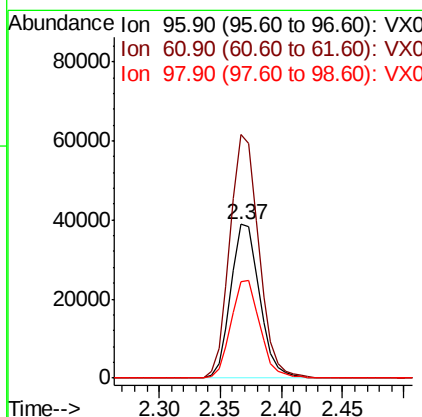
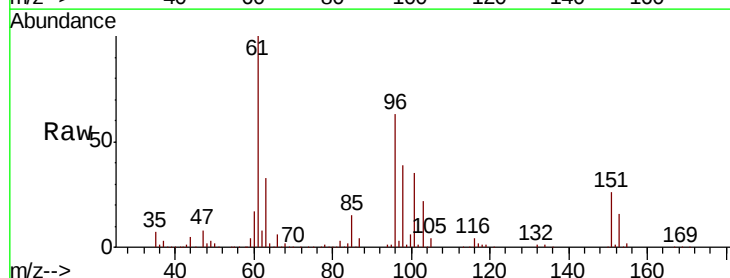
Instrument :
MSVOA_X
ClientSampleId :

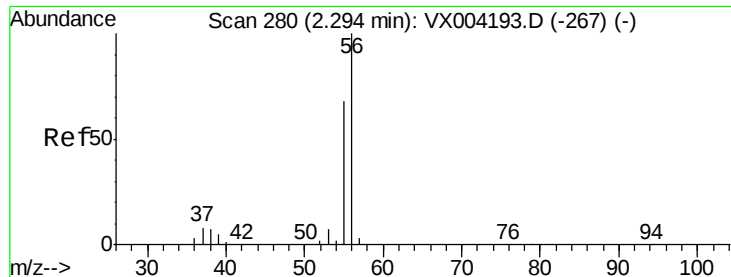
Tot Ion: 59 Resp: 92096
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.78 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 96 Resp: 63848
Ion Ratio Lower Upper
96 100
61 158.3 128.8 193.2
98 62.4 52.2 78.2





#13

Acrolein

Concen: 98.78 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

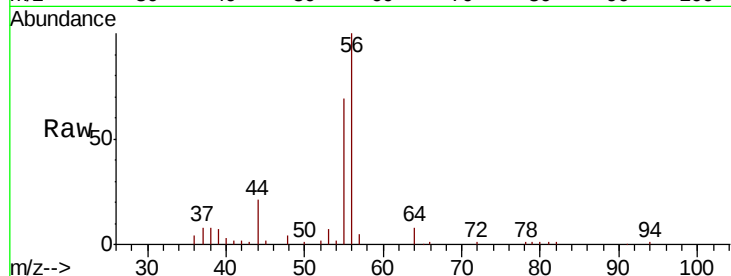
ClientSampled :

Tot Ion: 56 Resp: 21231

Ion Ratio Lower Upper

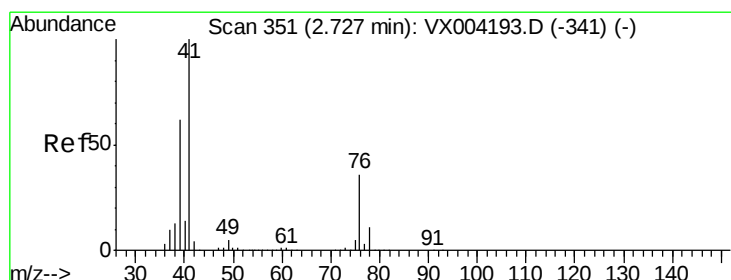
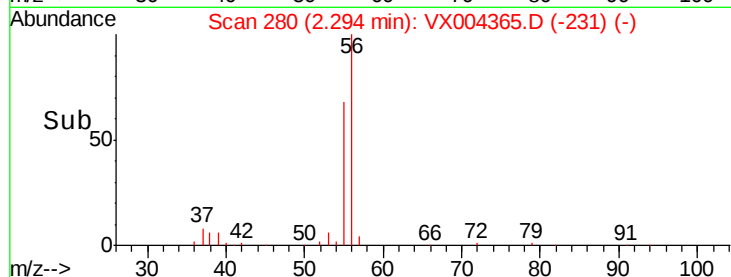
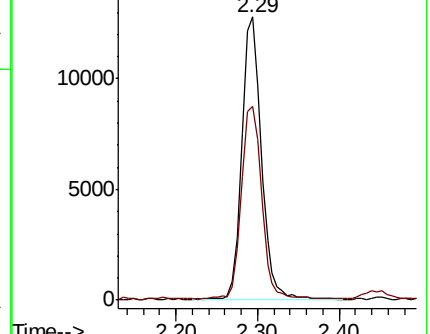
56 100

55 72.2 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: 20.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

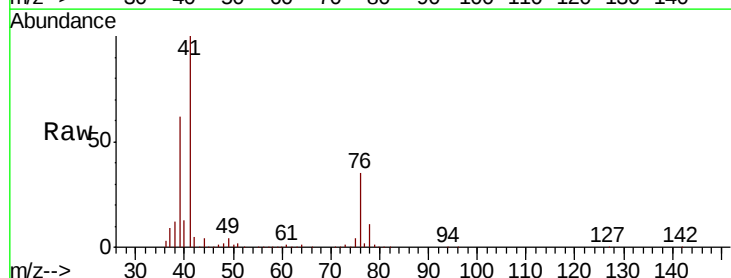
Tgt Ion: 41 Resp: 126022

Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

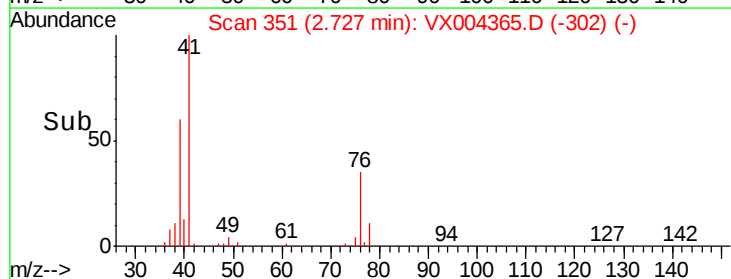
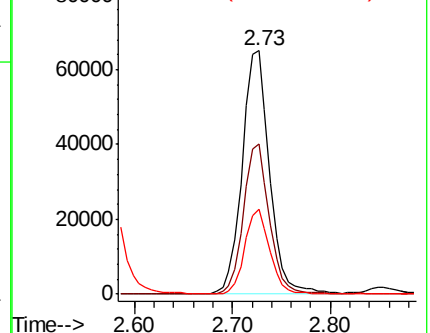
76 32.1 26.7 40.1



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: 101.97 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

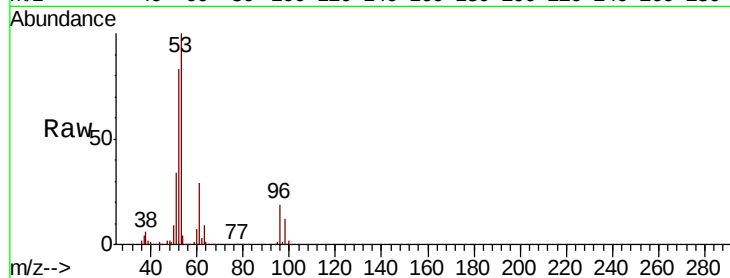
Tot Ion: 53 Resp: 225124

Ion Ratio Lower Upper

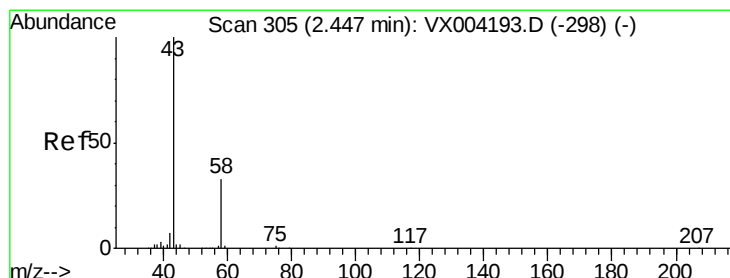
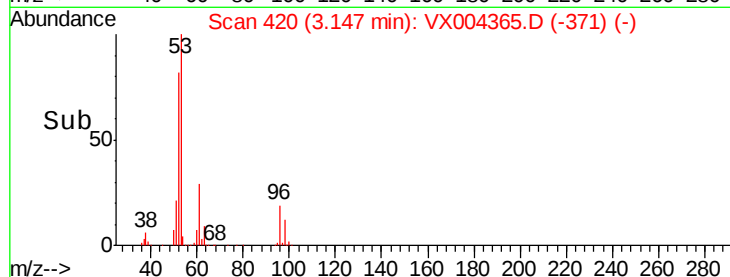
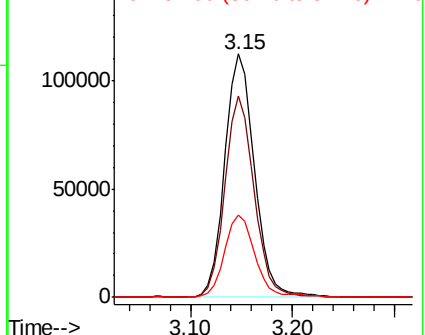
53 100

52 81.6 65.2 97.8

51 35.1 28.2 42.2



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



#16

Acetone

Concen: 108.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004365.D

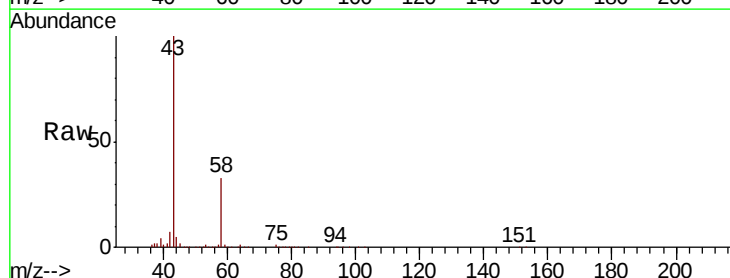
Acq: 05 Sep 2018 12:15

Tgt Ion: 43 Resp: 193306

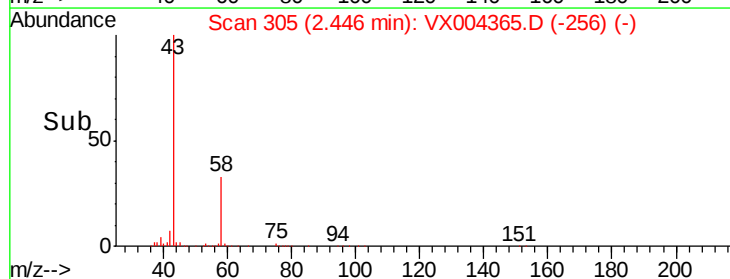
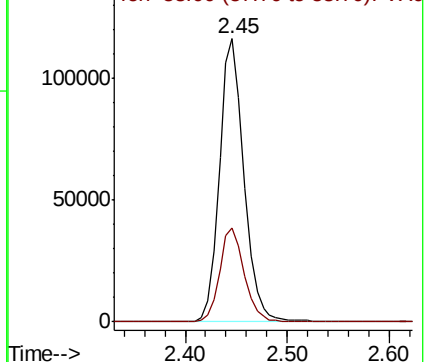
Ion Ratio Lower Upper

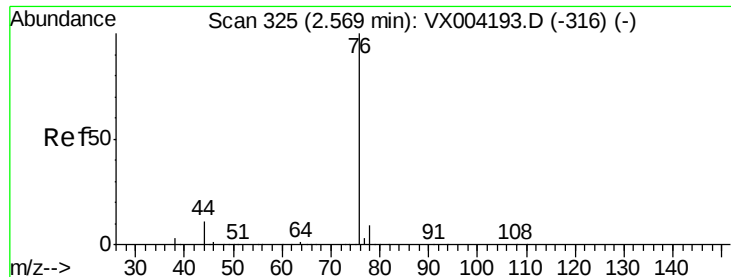
43 100

58 33.2 26.2 39.4



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

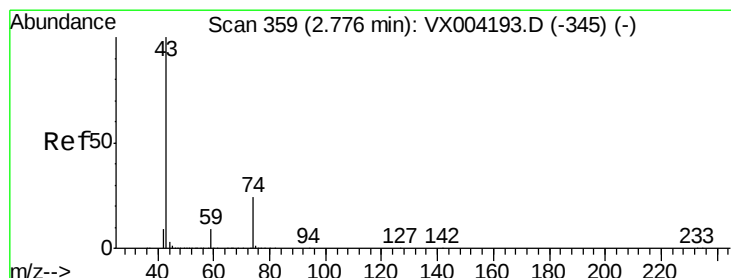
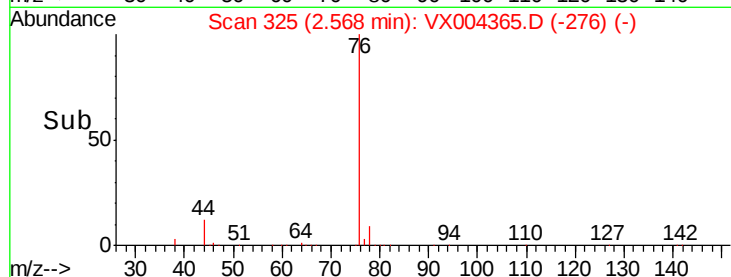
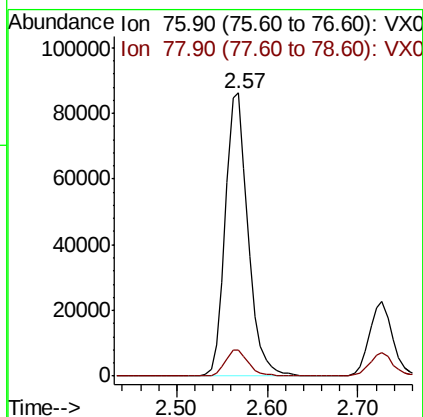
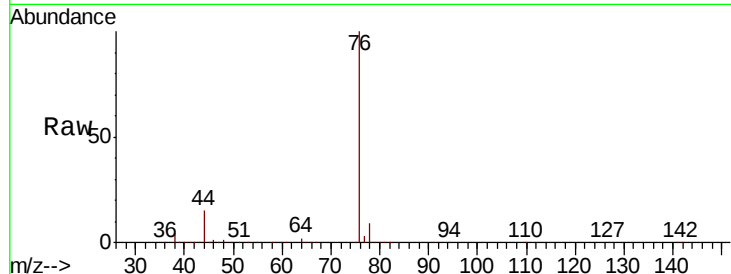




#17
Carbon Disulfide
Concen: 16.47 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

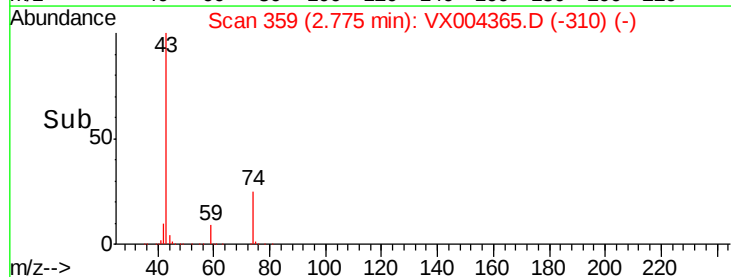
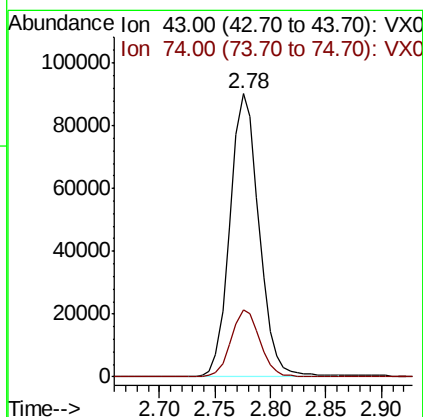
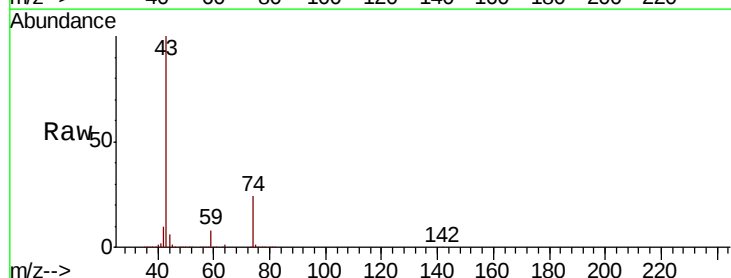
Instrument :
MSVOA_X
ClientSampleId :

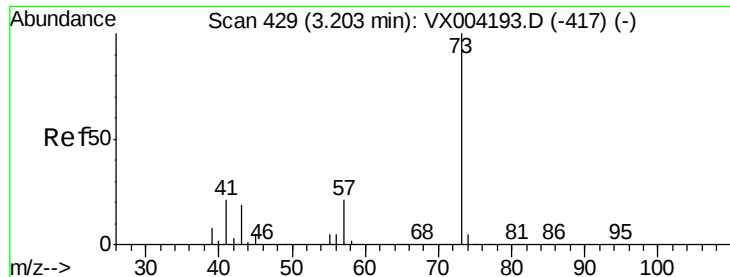
Tot Ion: 76 Resp: 150395
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 26.13 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 43 Resp: 162145
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



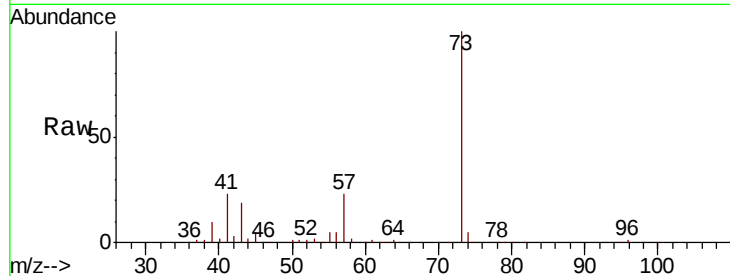


#19

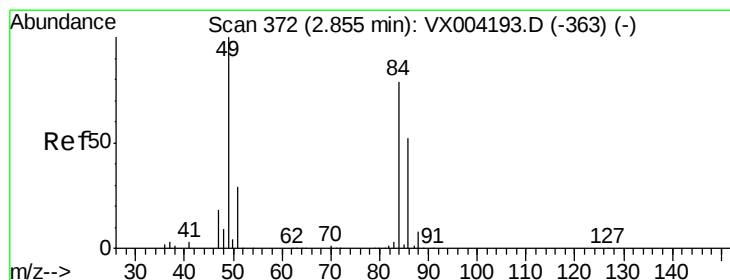
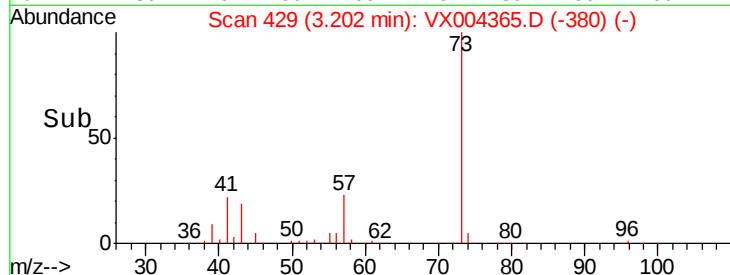
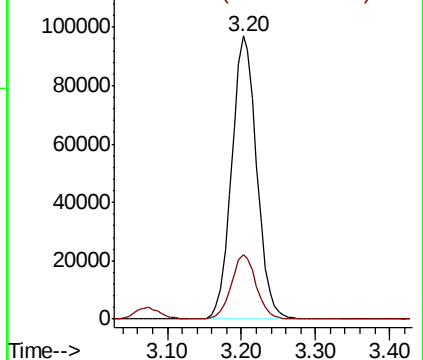
Methyl tert-butyl Ether
 Concen: 20.39 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 73 Resp: 228456
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.1 25.7



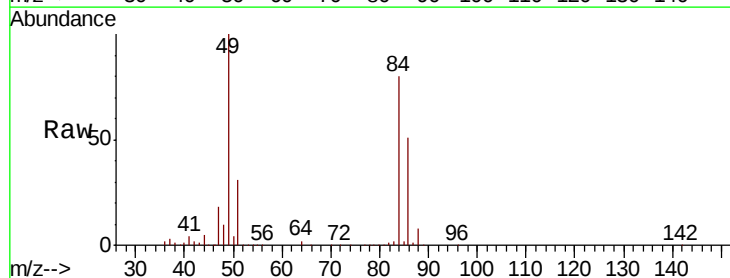
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



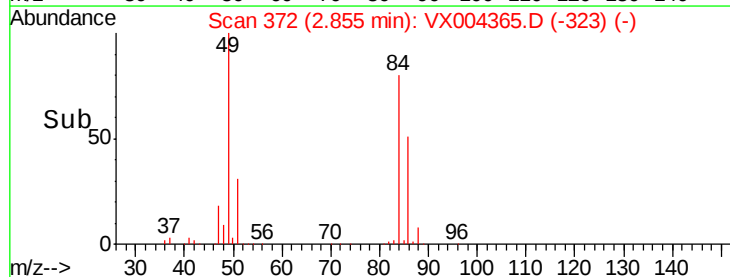
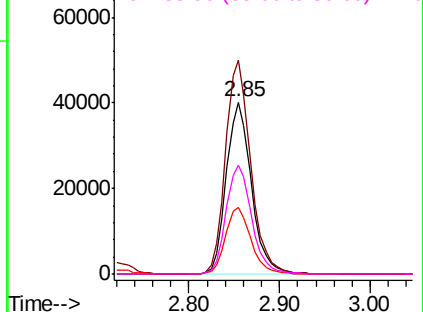
#20

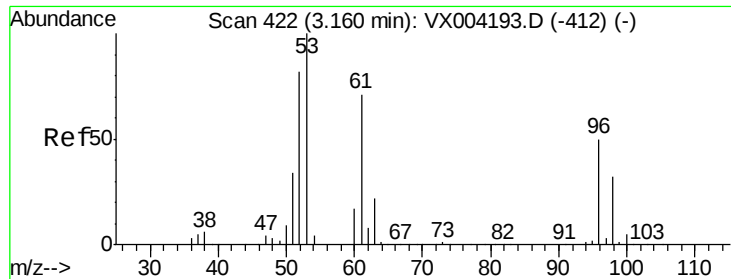
Methylene Chloride
 Concen: 19.17 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion: 84 Resp: 77193
 Ion Ratio Lower Upper
 84 100
 49 124.5 101.2 151.8
 51 39.1 29.5 44.3
 86 63.2 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

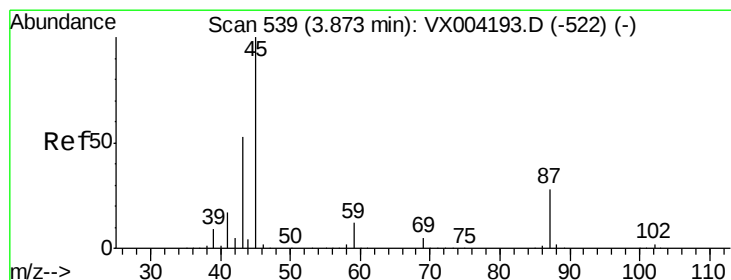
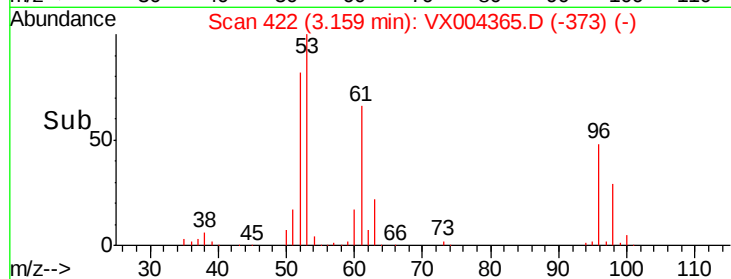
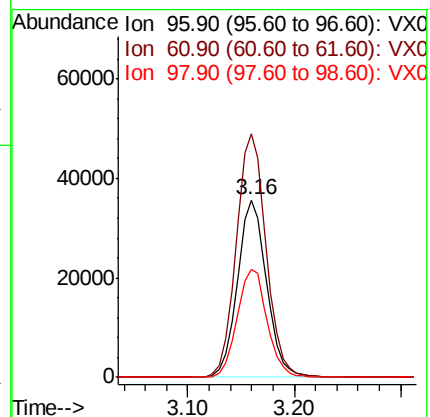
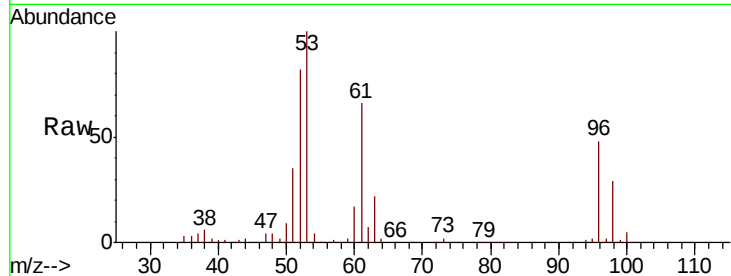
Tot Ion: 96 Resp: 68607

Ion Ratio Lower Upper

96 100

61 137.5 113.8 170.6

98 61.1 51.8 77.8



#22

Diisopropyl ether

Concen: 20.28 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion: 45 Resp: 236427

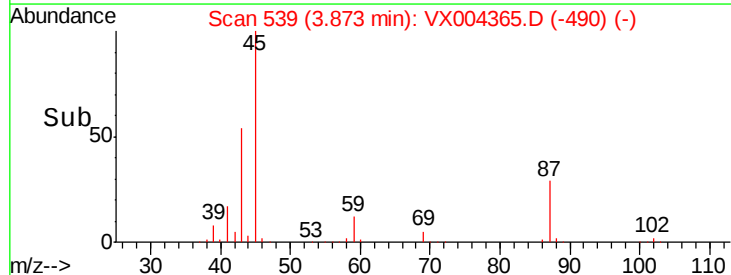
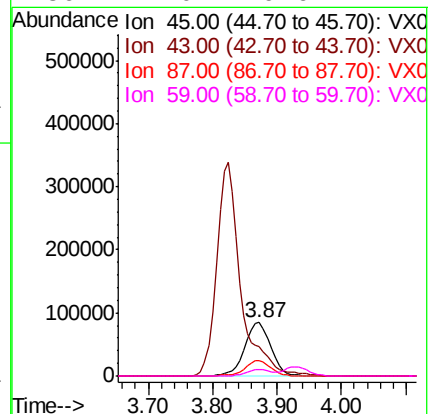
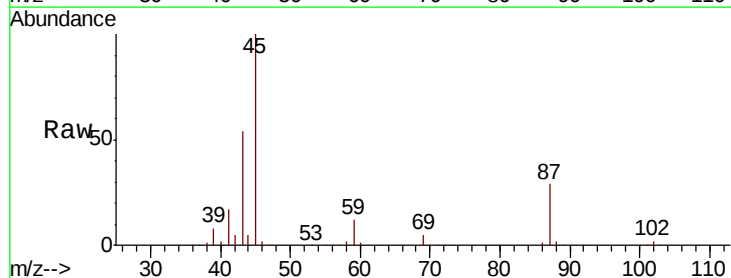
Ion Ratio Lower Upper

45 100

43 53.9 42.8 64.2

87 29.0 22.6 34.0

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 93.53 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

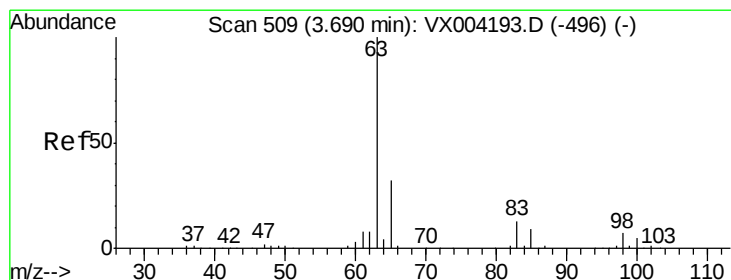
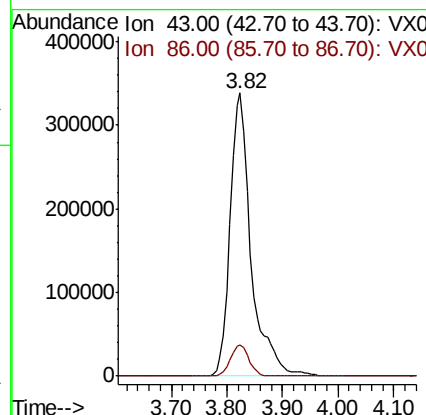
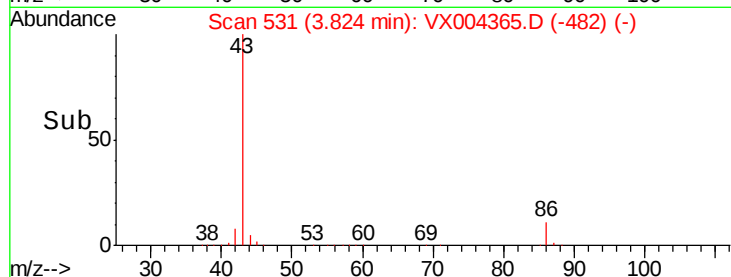
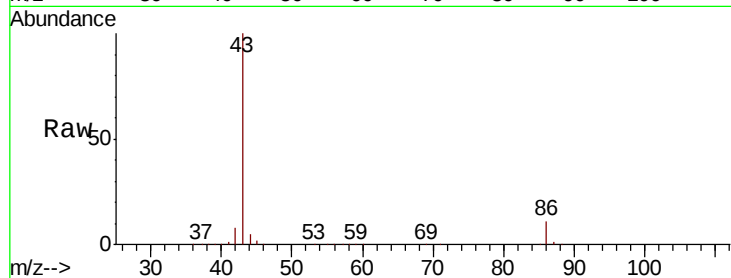
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 883922

Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.56 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

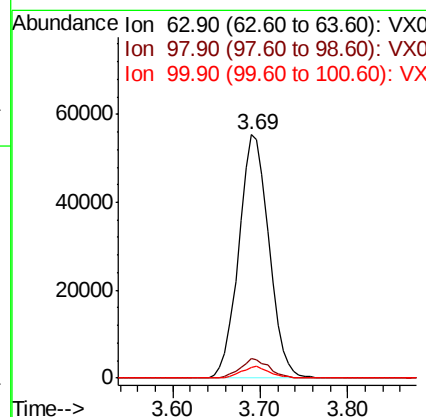
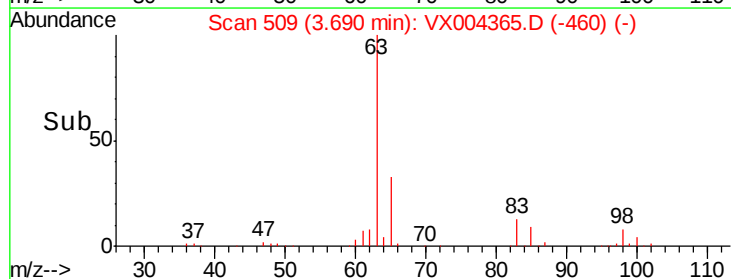
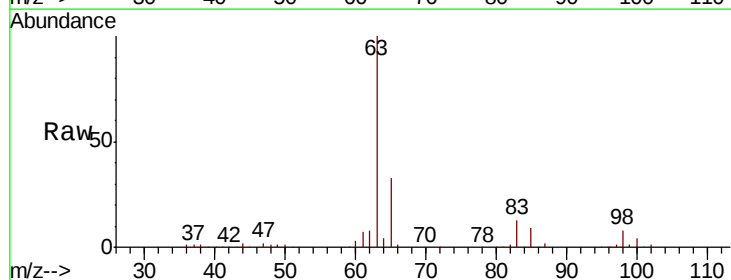
Tgt Ion: 63 Resp: 132953

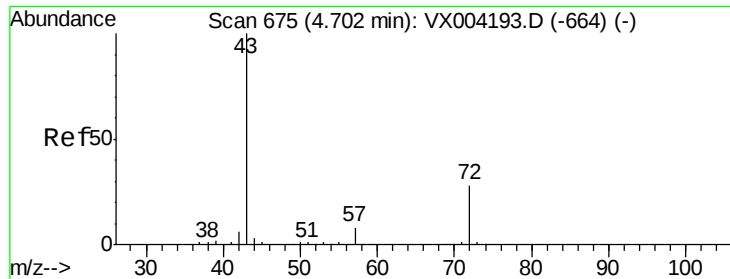
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 102.76 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

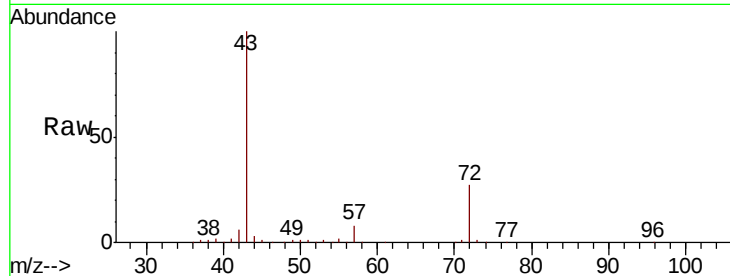
ClientSampleId :

Tot Ion: 43 Resp: 292672

Ion Ratio Lower Upper

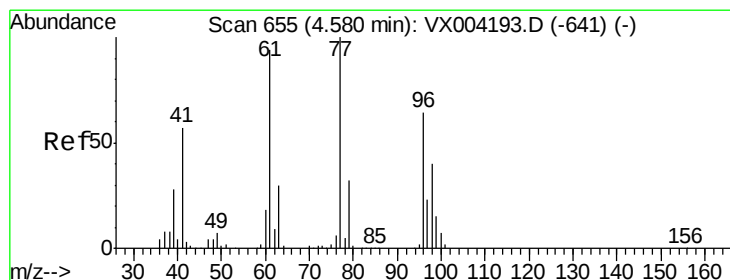
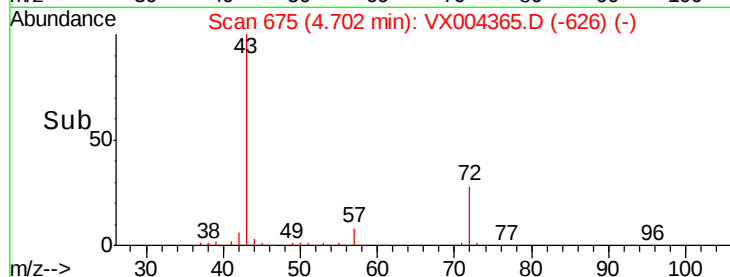
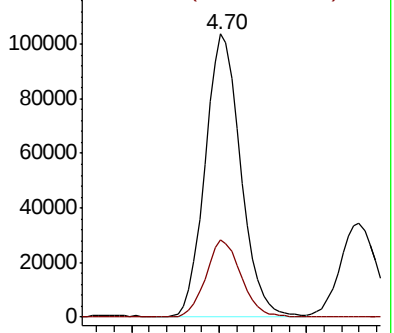
43 100

72 27.5 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: 19.25 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004365.D

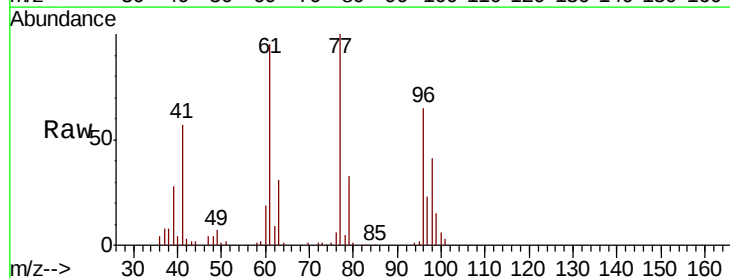
Acq: 05 Sep 2018 12:15

Tgt Ion: 77 Resp: 102601

Ion Ratio Lower Upper

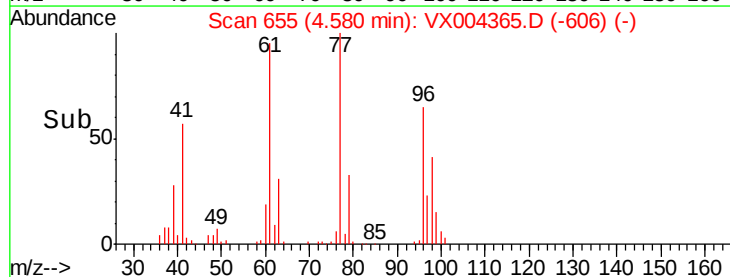
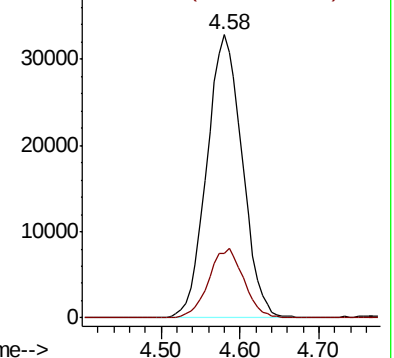
77 100

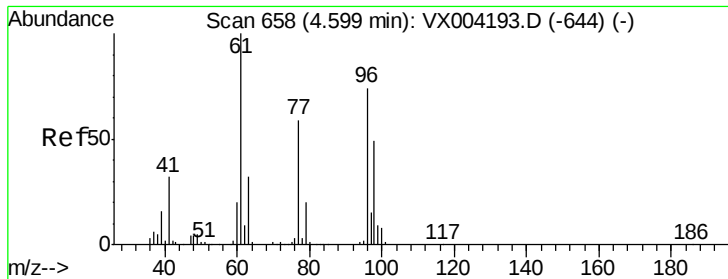
97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



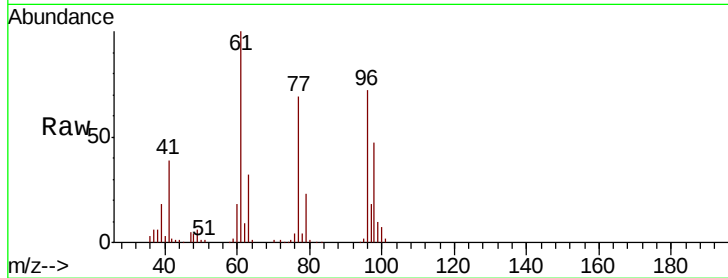


#27

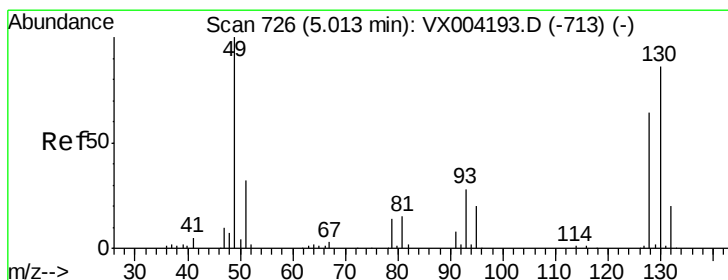
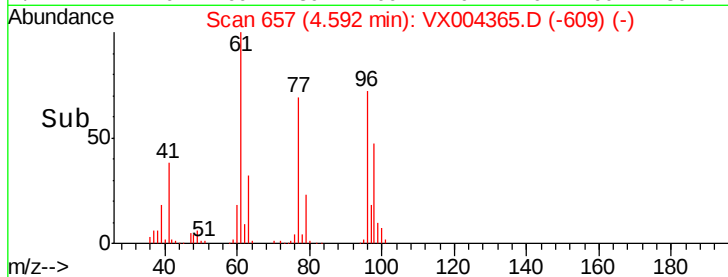
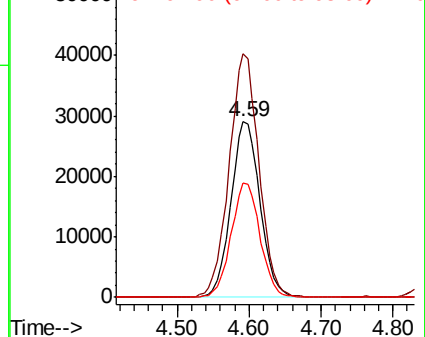
cis-1,2-Dichloroethene
 Concen: 19.06 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 81318
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 282.6
 98 64.8 0.0 130.2



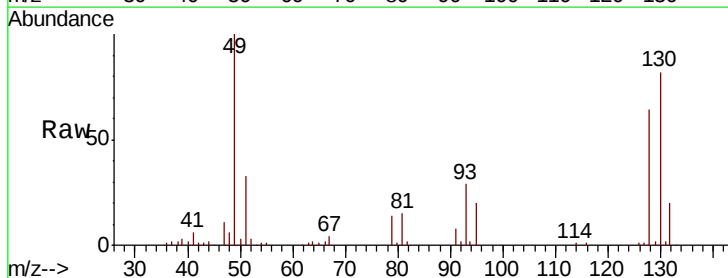
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



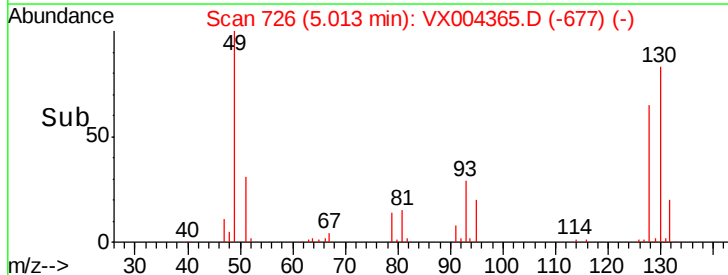
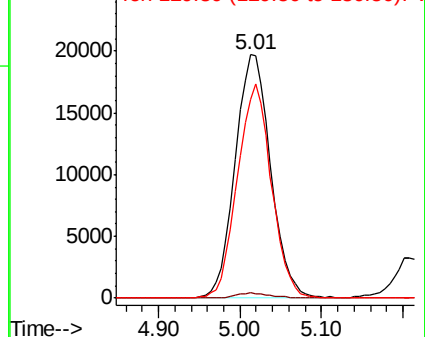
#28

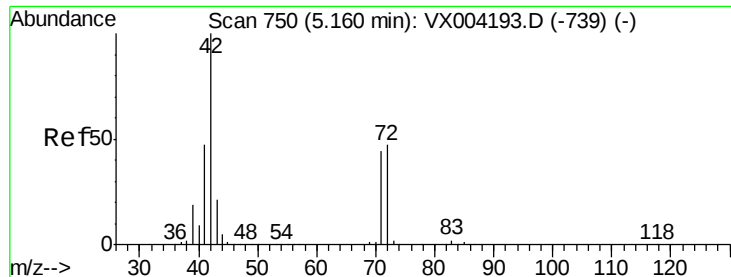
Bromochloromethane
 Concen: 19.78 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion: 49 Resp: 59521
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 84.0 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

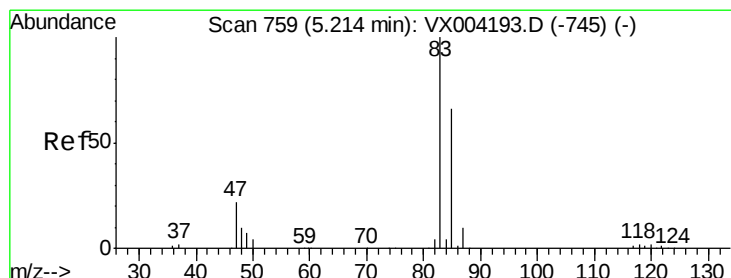
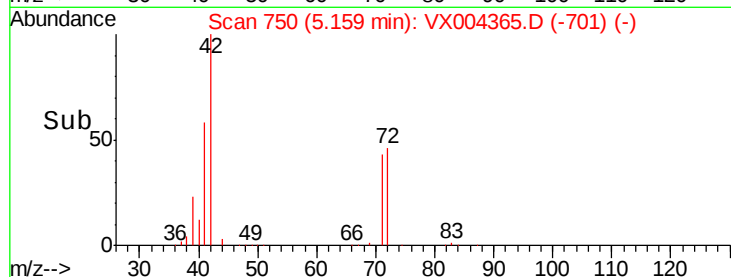
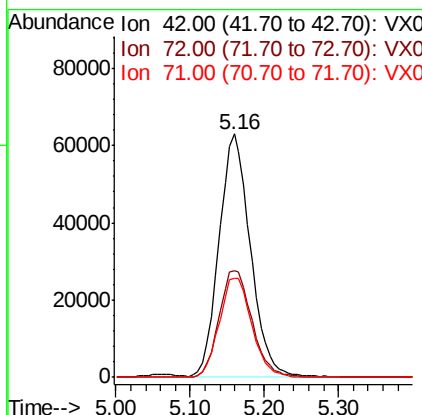
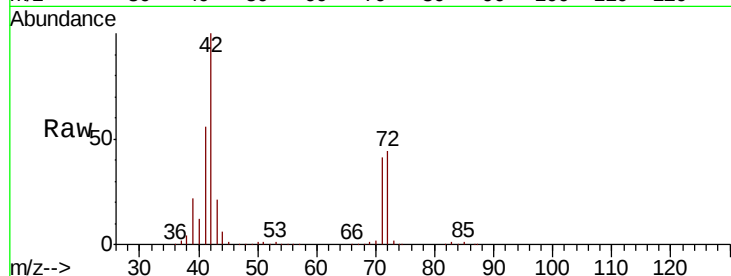




#29
Tetrahydrofuran
Concen: 102.17 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

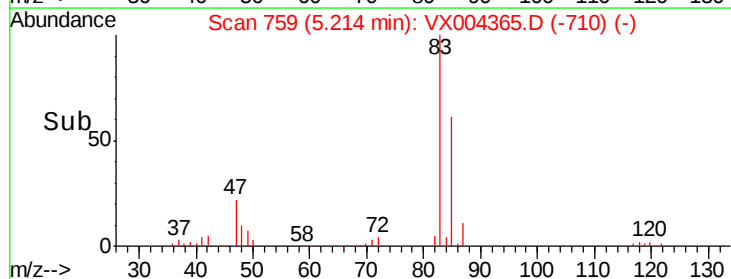
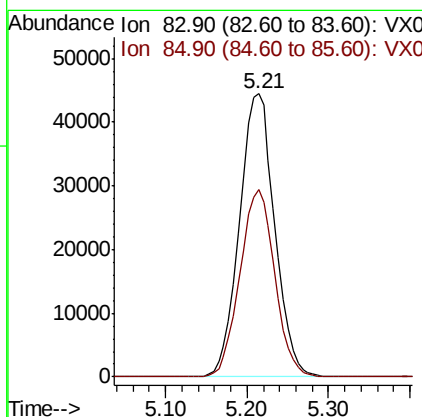
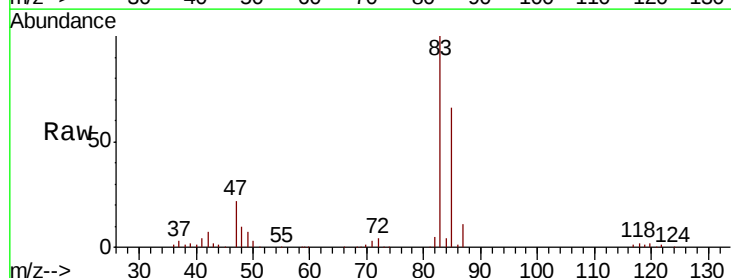
Instrument :
MSVOA_X
ClientSampleId :

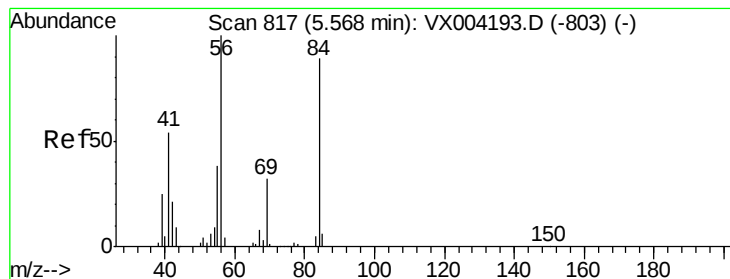
Tot Ion: 42 Resp: 183593
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 42.8 34.5 51.7



#30
Chloroform
Concen: 19.57 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 83 Resp: 133370
Ion Ratio Lower Upper
83 100
85 66.0 52.6 79.0





#31

Cyclohexane

Concen: 18.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :

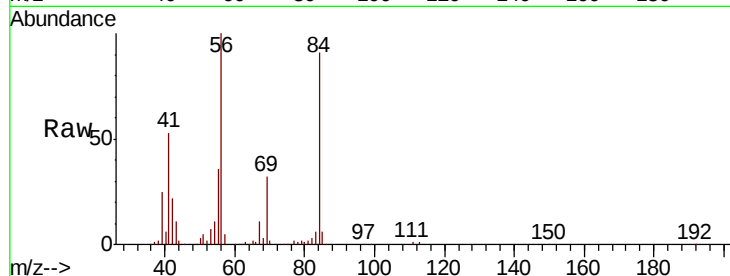
Tot Ion: 56 Resp: 109818

Ion Ratio Lower Upper

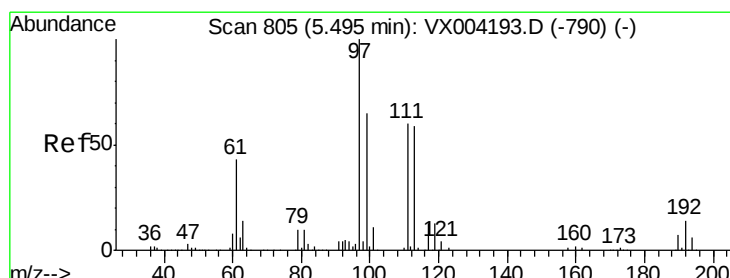
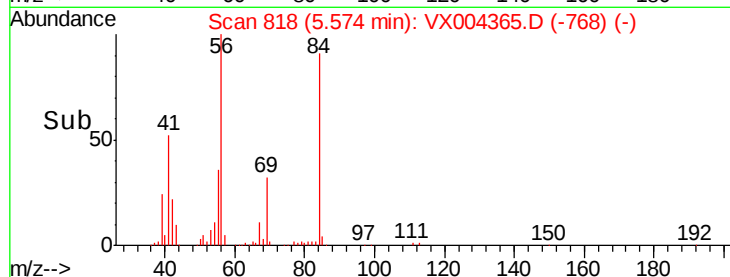
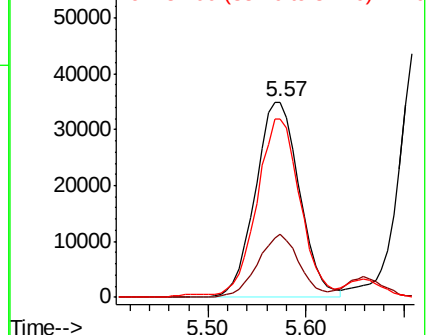
56 100

69 32.2 25.4 38.2

84 90.2 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: 19.29 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

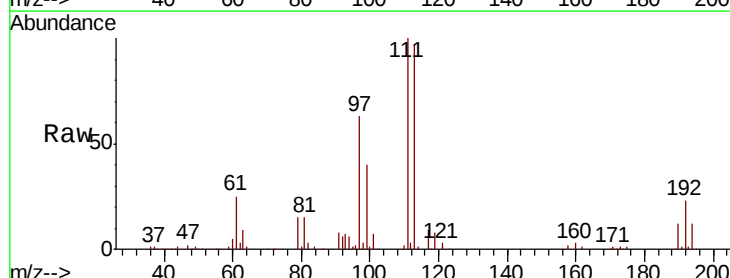
Tgt Ion: 97 Resp: 109600

Ion Ratio Lower Upper

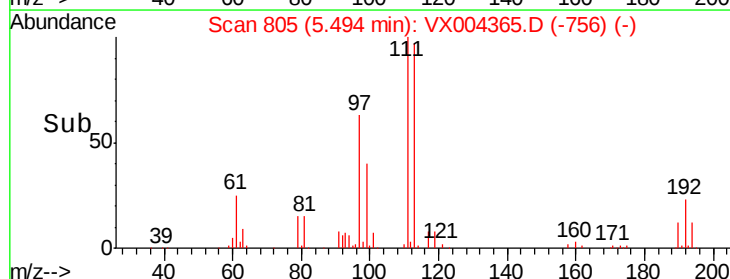
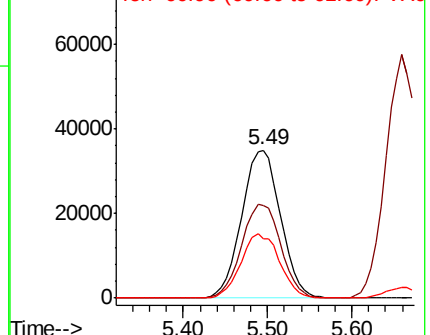
97 100

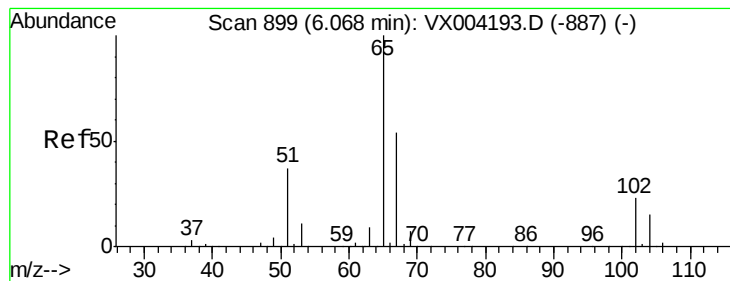
99 64.0 52.0 78.0

61 43.6 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: 45.81 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

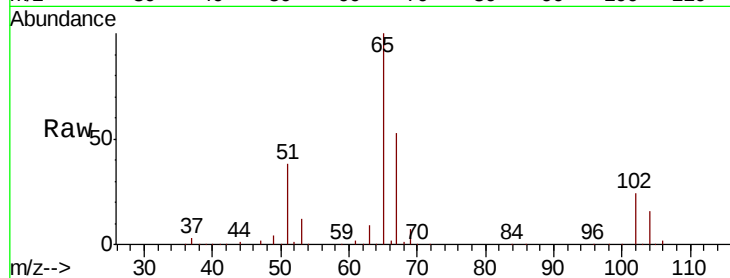
ClientSampleId :

Tot Ion: 65 Resp: 191579

Ion Ratio Lower Upper

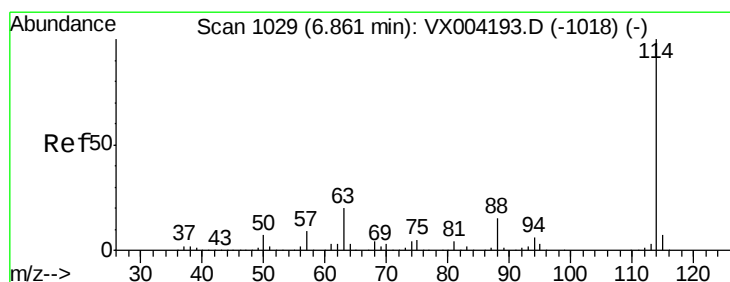
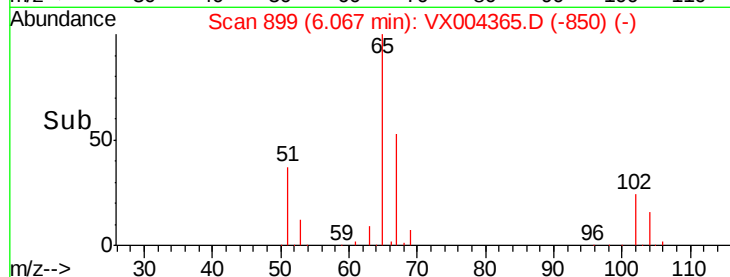
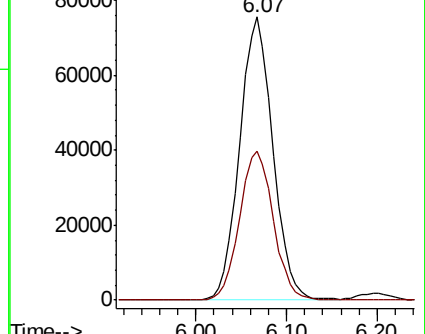
65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

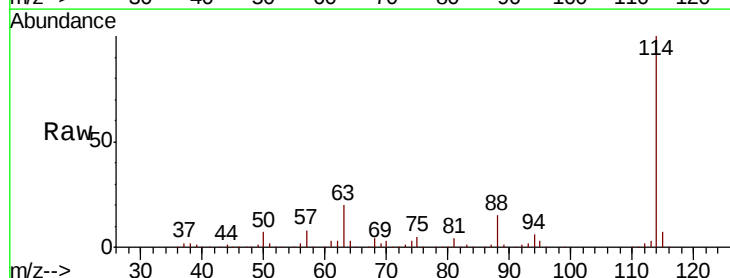
Tgt Ion: 114 Resp: 469426

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

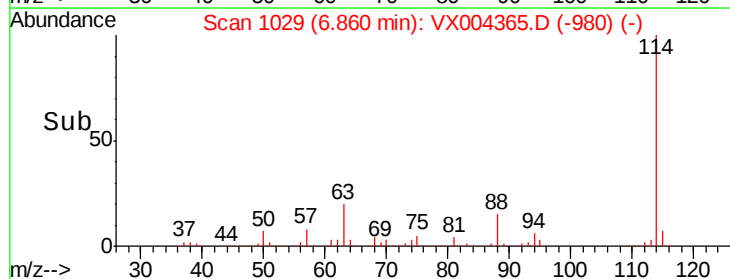
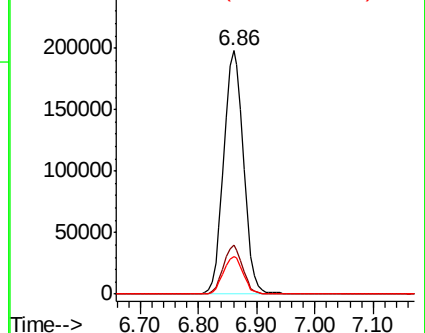
88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

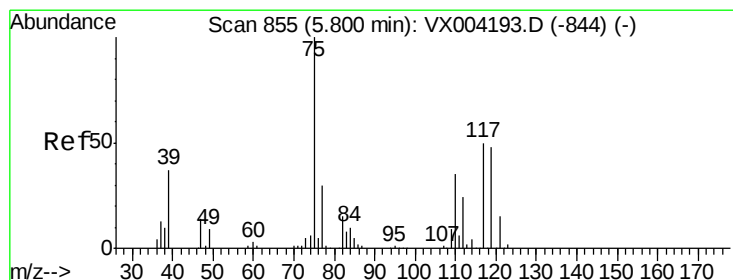
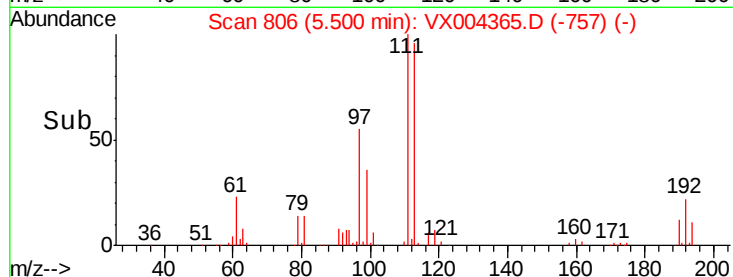
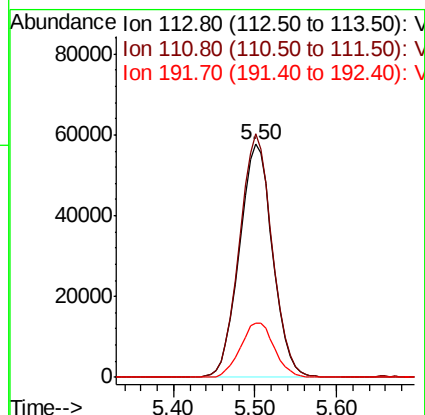
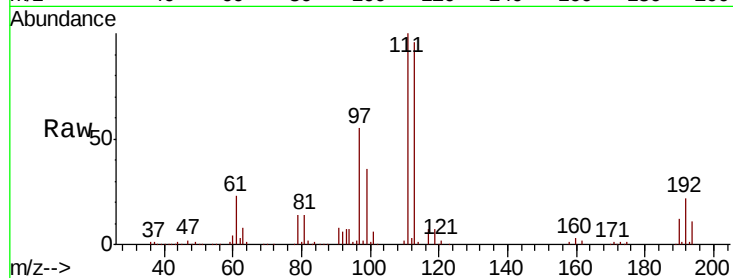




#35
 Dibromofluoromethane
 Concen: 46.70 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

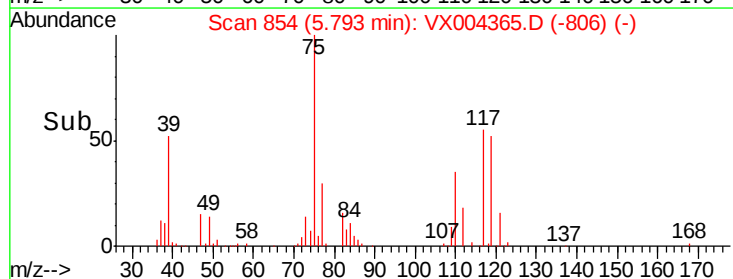
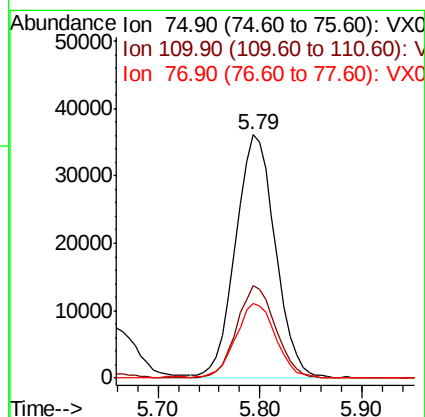
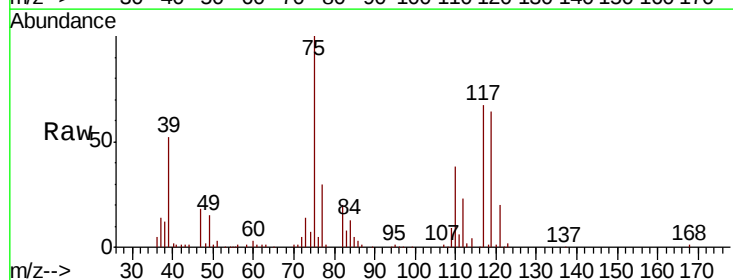
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 163098
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 23.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 18.38 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion: 75 Resp: 97017
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.0 54.0
 77 31.3 24.6 36.8





#37

Ethyl Acetate

Concen: 19.50 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

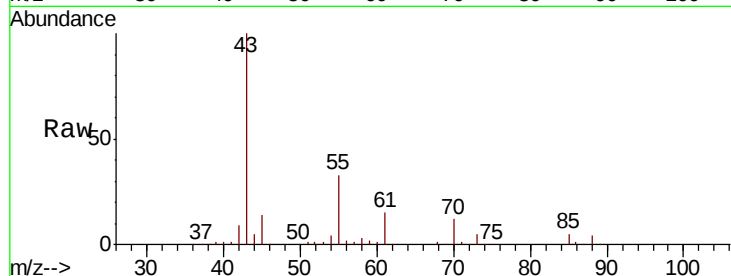
Tot Ion: 43 Resp: 101203

Ion Ratio Lower Upper

43 100

61 14.8 11.5 17.3

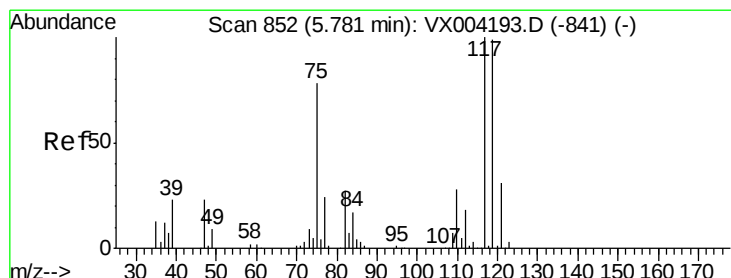
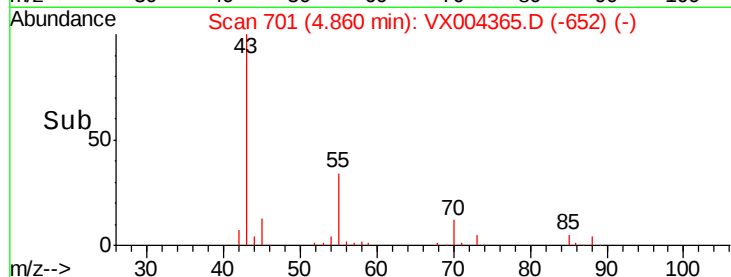
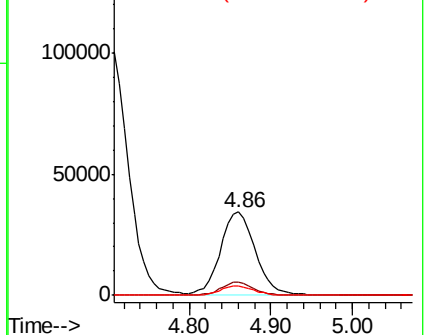
70 11.4 9.0 13.6



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: 18.68 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

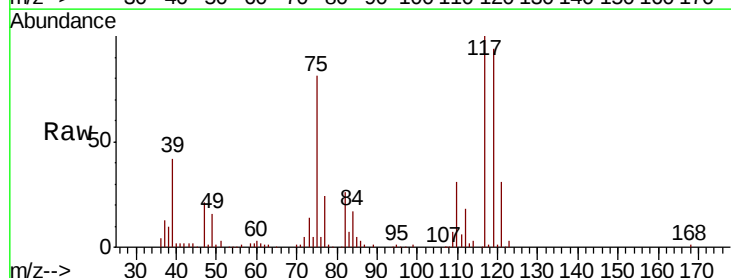
Tgt Ion: 117 Resp: 92719

Ion Ratio Lower Upper

117 100

119 94.4 78.8 118.2

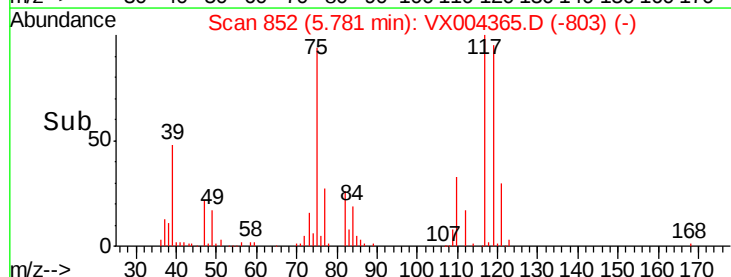
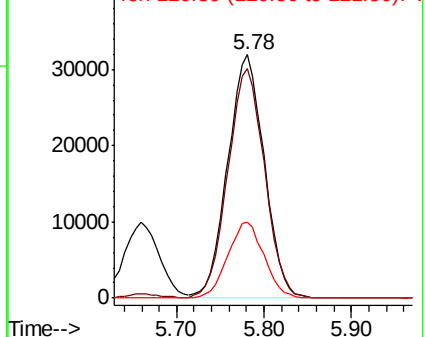
121 31.1 24.9 37.3



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

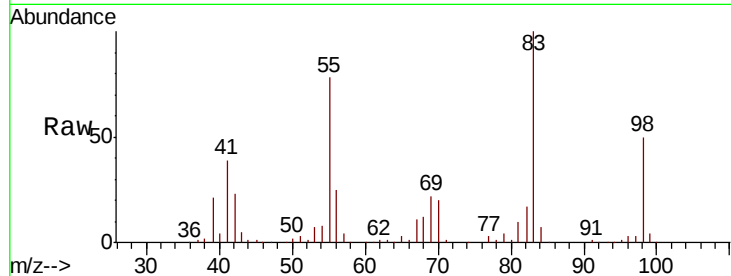




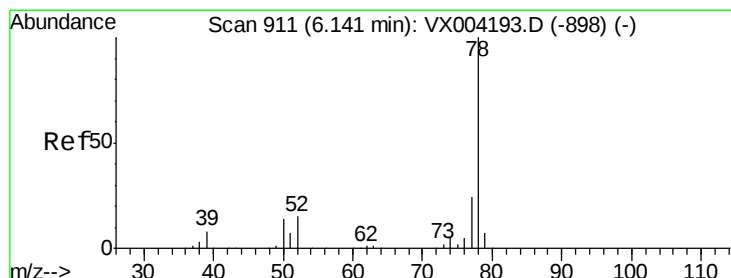
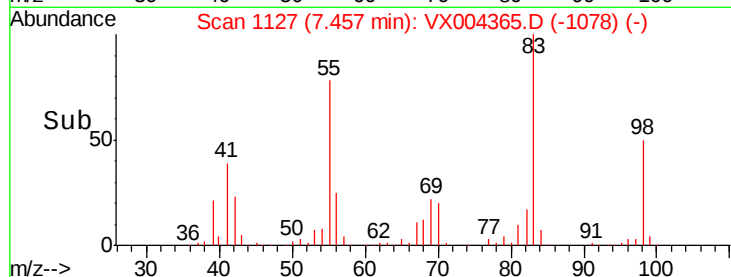
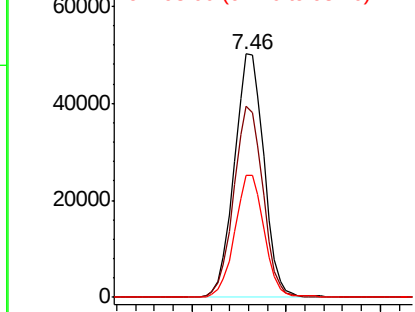
#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83.00	Resp	110299
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	50.4	39.6	59.4

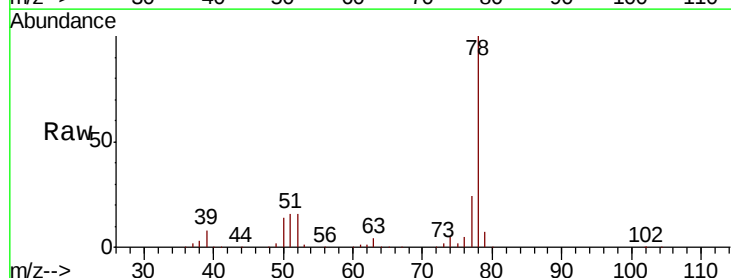


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

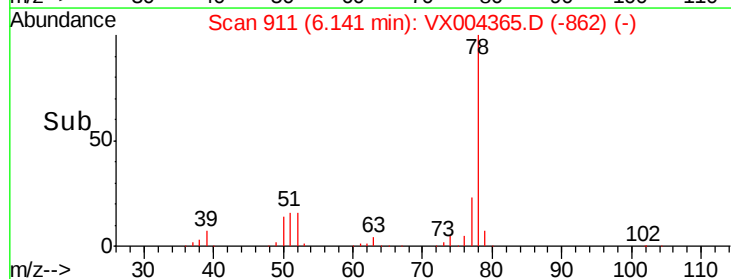
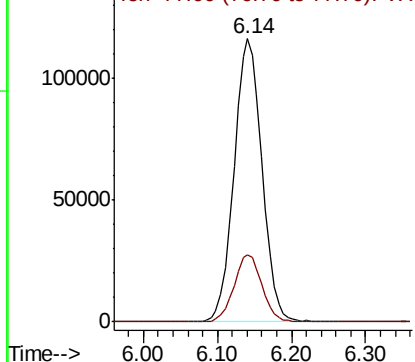


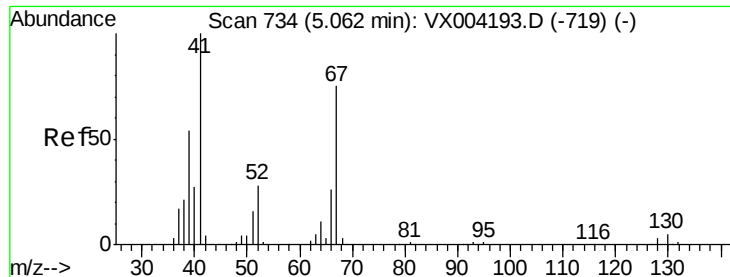
#40
Benzene
Concen: 19.31 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	78	Resp	304521
Ion	Ratio	Lower	Upper
78	100		
77	23.5	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: 20.41 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 61401

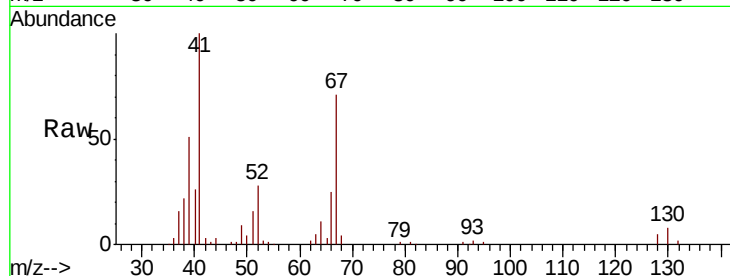
Ion Ratio Lower Upper

41 100

39 51.9 42.4 63.6

67 74.0 59.2 88.8

52 27.0 23.0 34.4

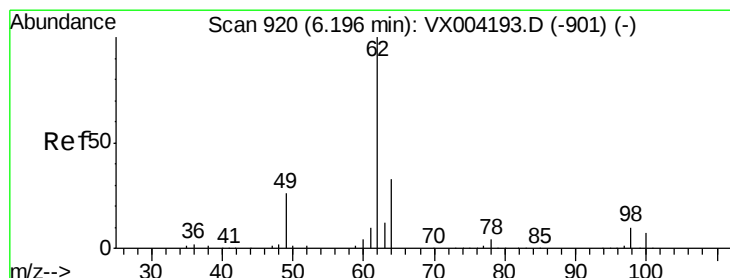
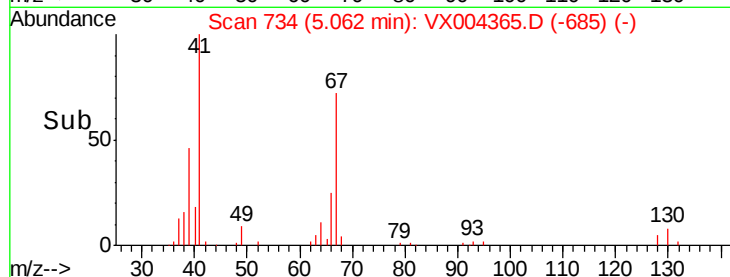
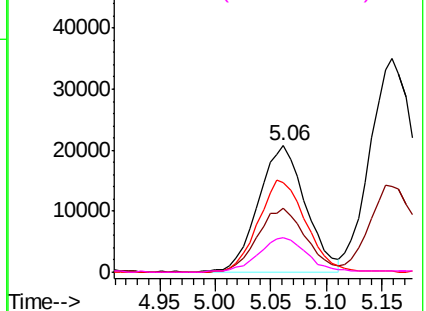


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.10 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004365.D

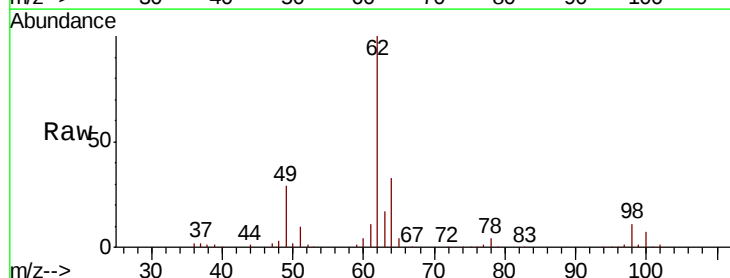
Acq: 05 Sep 2018 12:15

Tgt Ion: 62 Resp: 102749

Ion Ratio Lower Upper

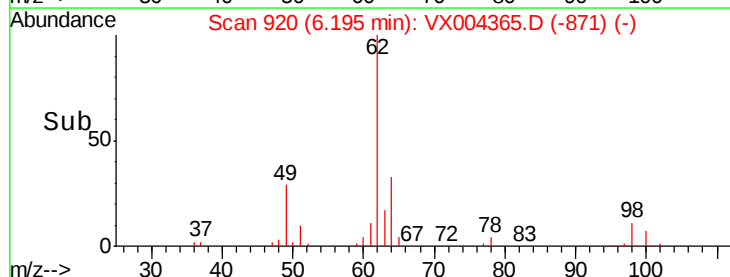
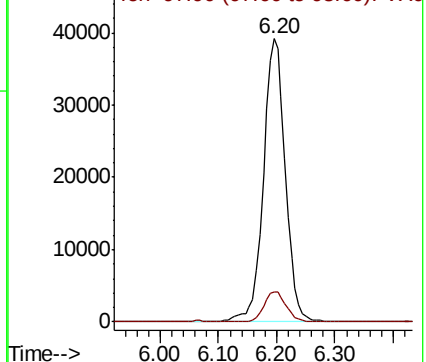
62 100

98 10.7 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



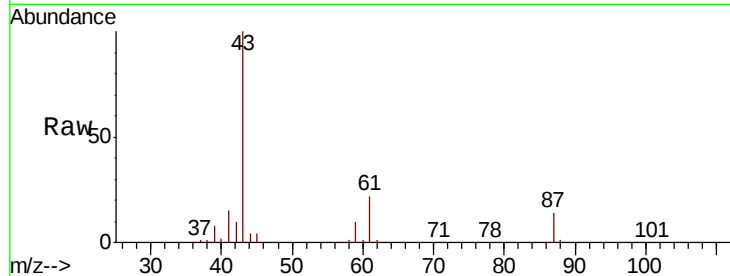


#43

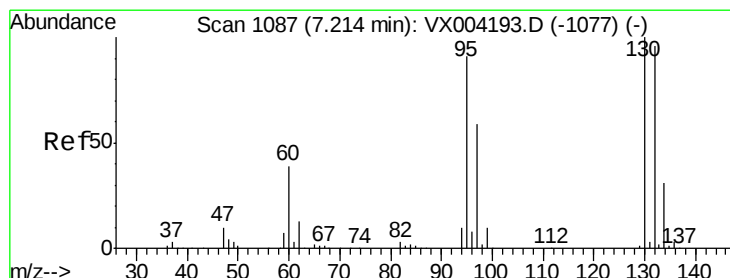
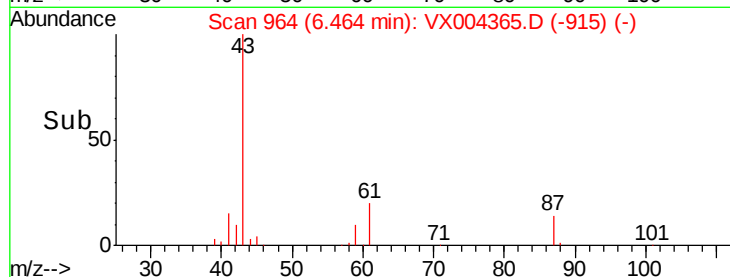
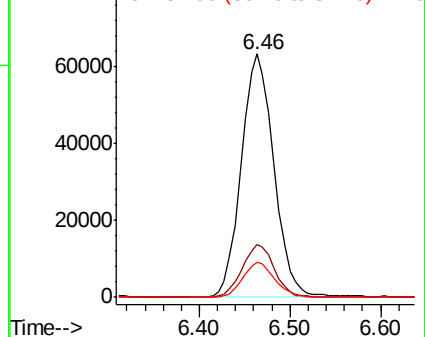
Isopropyl Acetate
 Concen: 19.70 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	157106
Ion Ratio	Lower	Upper	
43	100		
61	21.6	17.0	25.4
87	14.2	11.4	17.2



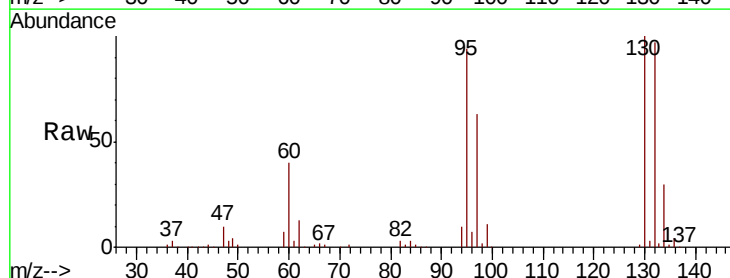
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



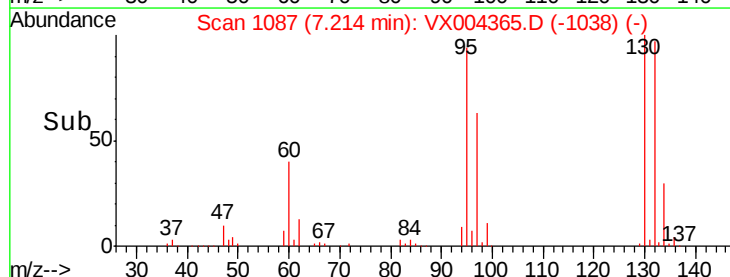
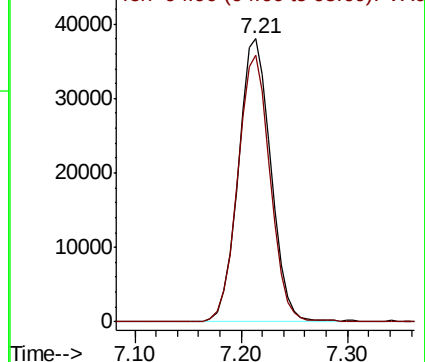
#44

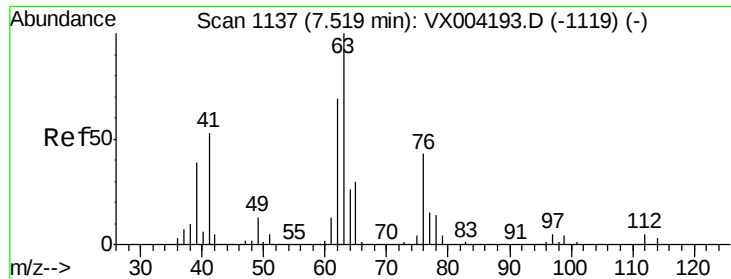
Trichloroethene
 Concen: 18.70 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	130	Resp	81648
Ion Ratio	Lower	Upper	
130	100		
95	94.5	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: 19.71 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

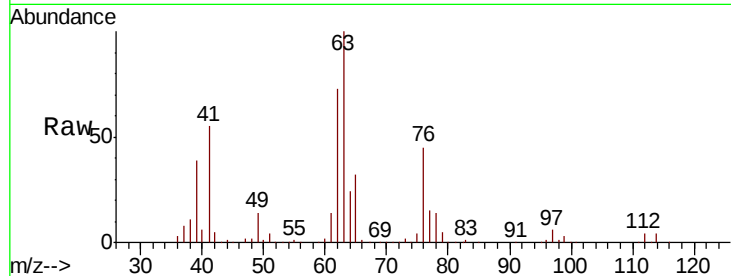
ClientSampleId :

Tot Ion: 63 Resp: 77805

Ion Ratio Lower Upper

63 100

65 31.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

40000

30000

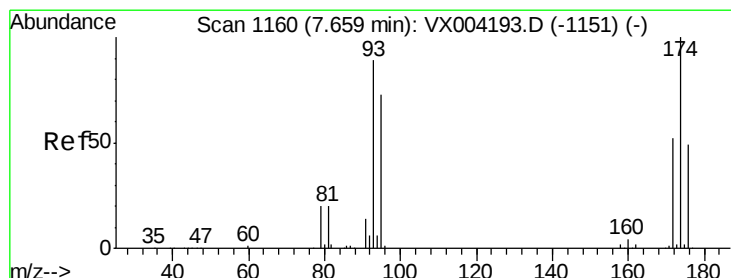
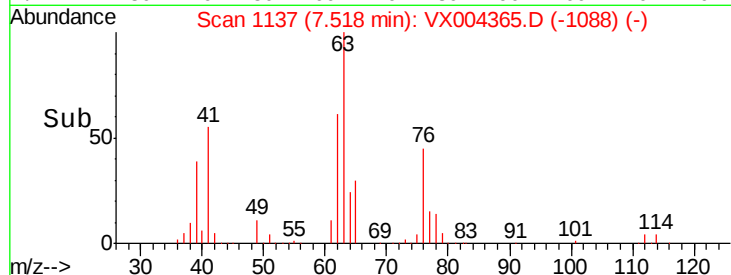
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.95 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

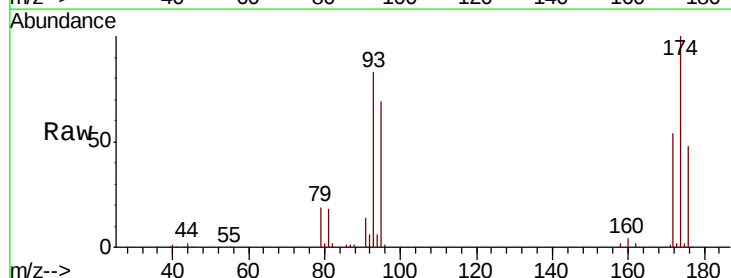
Tgt Ion: 93 Resp: 49786

Ion Ratio Lower Upper

93 100

95 83.6 65.5 98.3

174 119.1 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

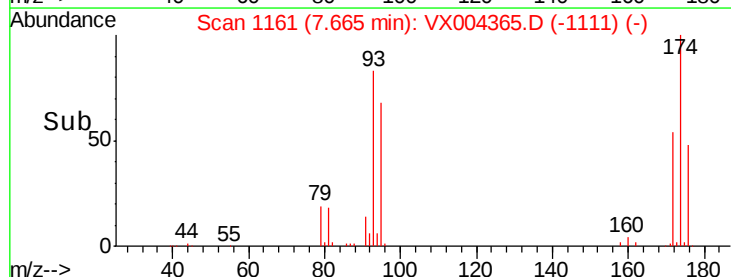
20000

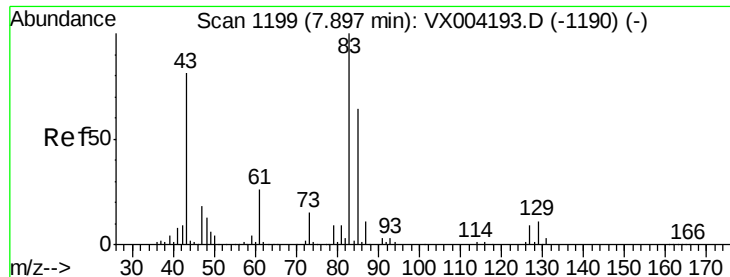
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 19.20 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

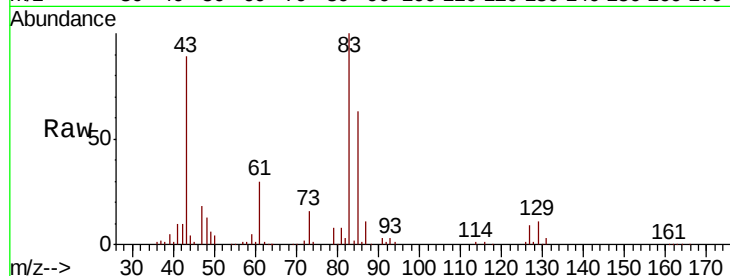
Tot Ion: 83 Resp: 93897

Ion Ratio Lower Upper

83 100

85 63.2 50.9 76.3

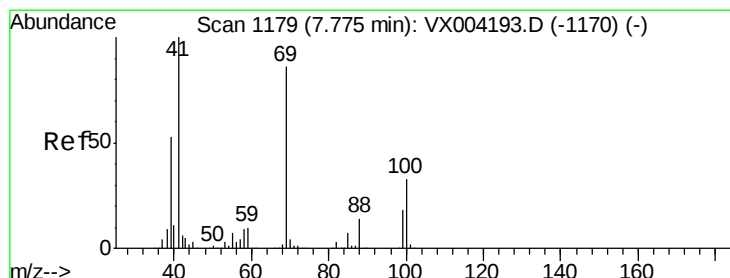
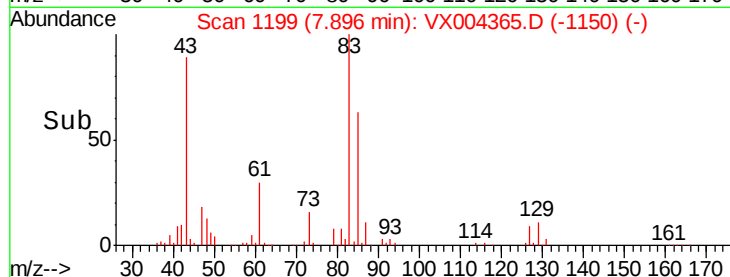
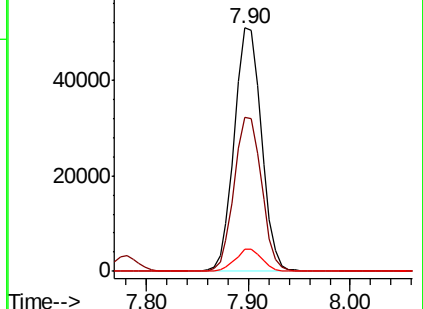
127 8.9 7.3 10.9



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: 19.65 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

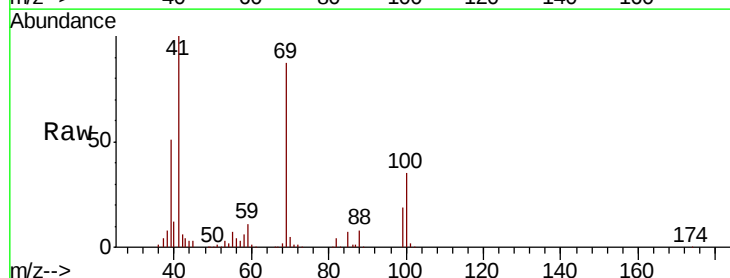
Tgt Ion: 41 Resp: 83866

Ion Ratio Lower Upper

41 100

69 87.8 70.2 105.4

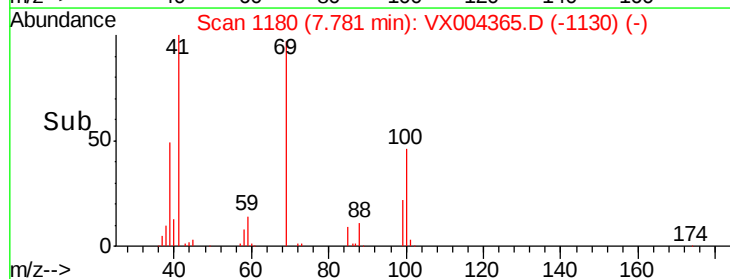
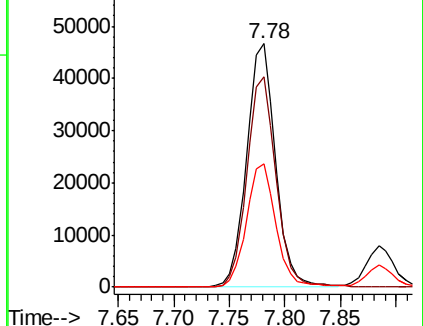
39 52.1 42.7 64.1

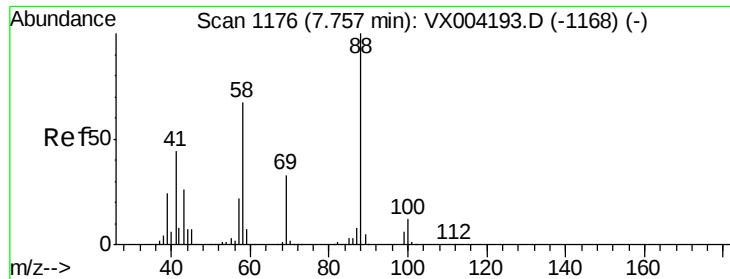


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 407.61 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

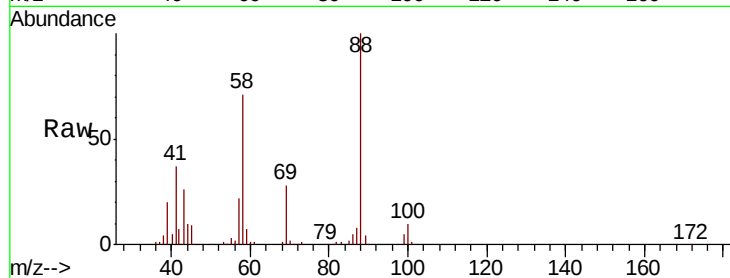
Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 39493

Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.7	37.1
58	70.7	55.3	82.9

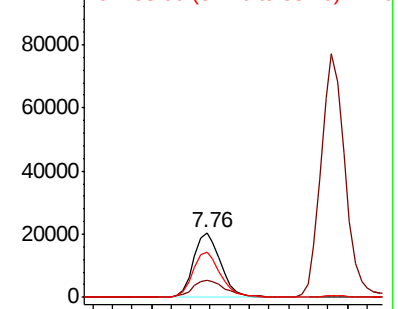


Abundance

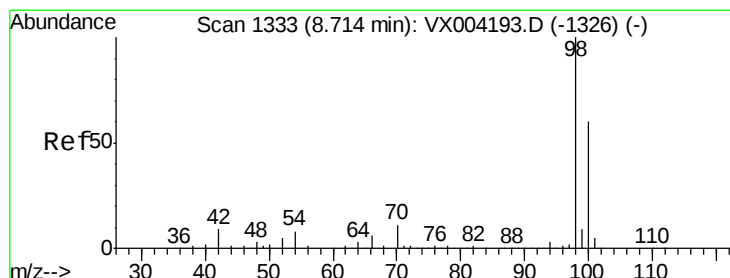
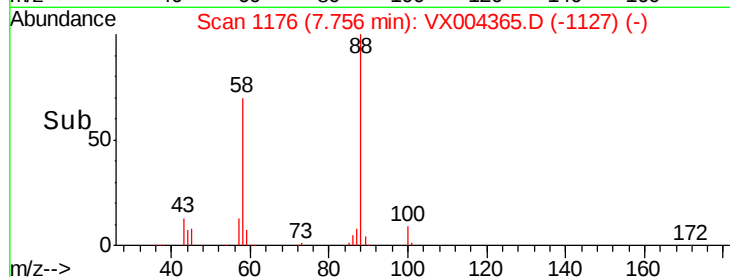
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 46.79 ug/l

RT: 8.71 min Scan# 1333

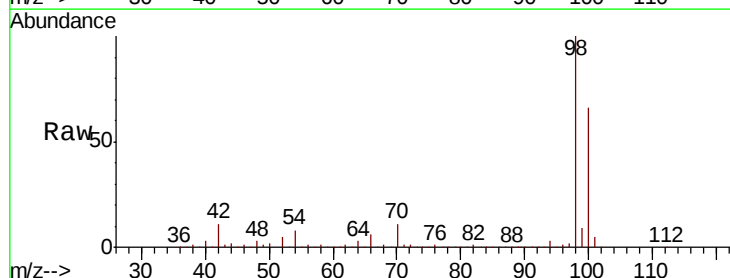
Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion: 98 Resp: 616824

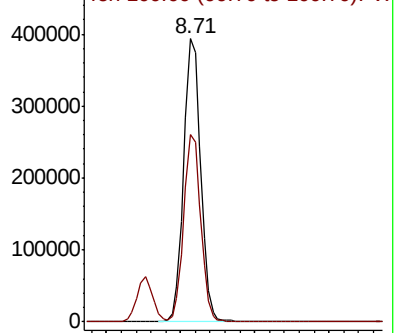
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3



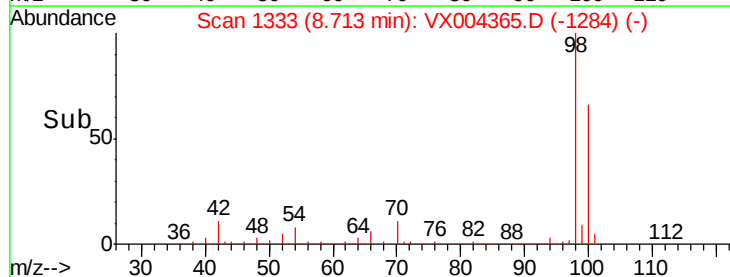
Abundance

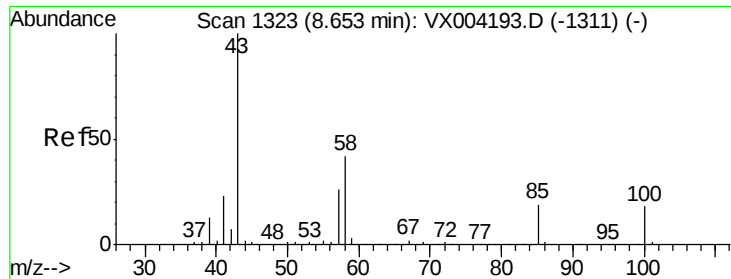
Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#51

4-Methyl-2-Pentanone

Concen: 96.73 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

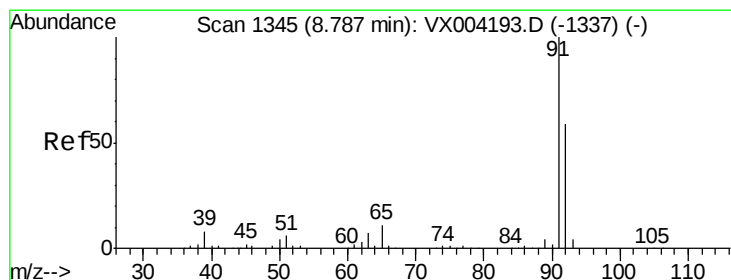
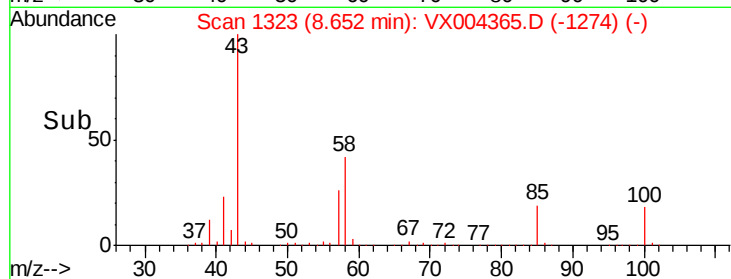
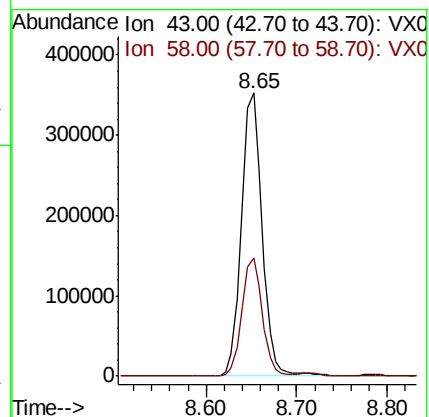
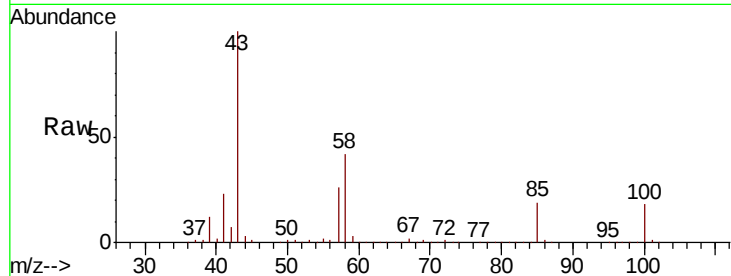
ClientSampleId :

Tot Ion: 43 Resp: 560531

Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7



#52

Toluene

Concen: 19.69 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004365.D

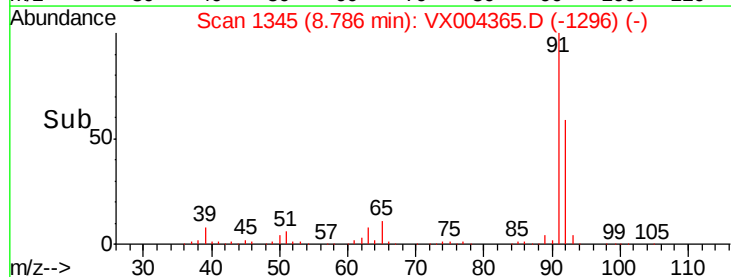
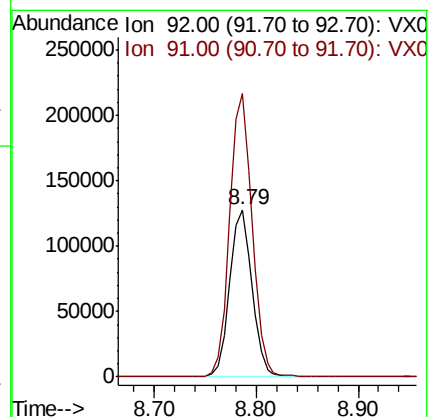
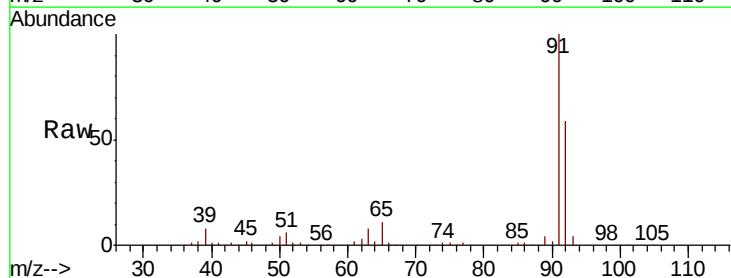
Acq: 05 Sep 2018 12:15

Tgt Ion: 92 Resp: 194363

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.05 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

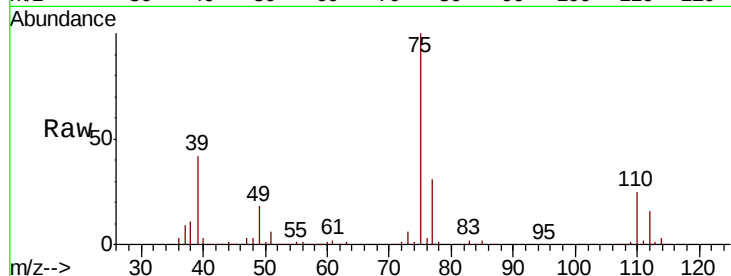
ClientSampleId :

Tot Ion: 75 Resp: 102891

Ion Ratio Lower Upper

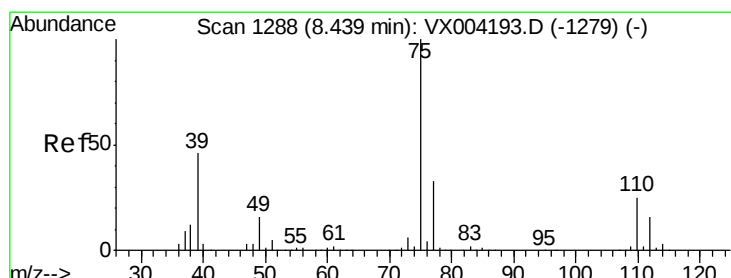
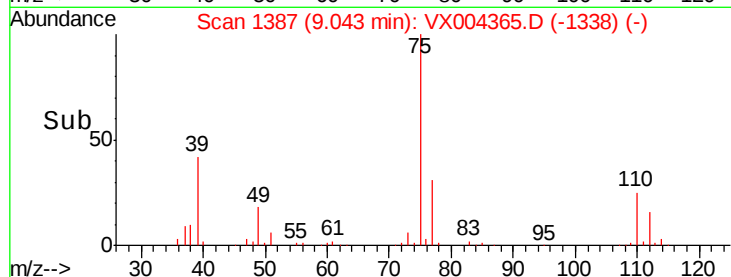
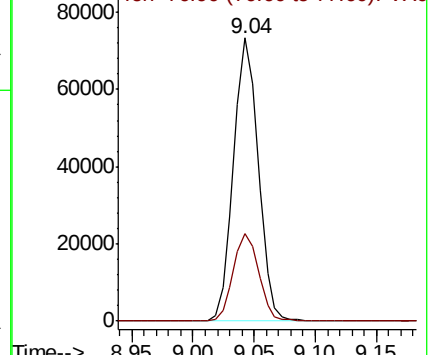
75 100

77 31.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.92 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

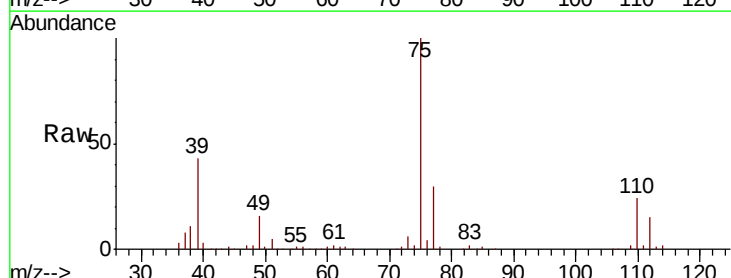
Tgt Ion: 75 Resp: 117206

Ion Ratio Lower Upper

75 100

77 30.4 26.2 39.2

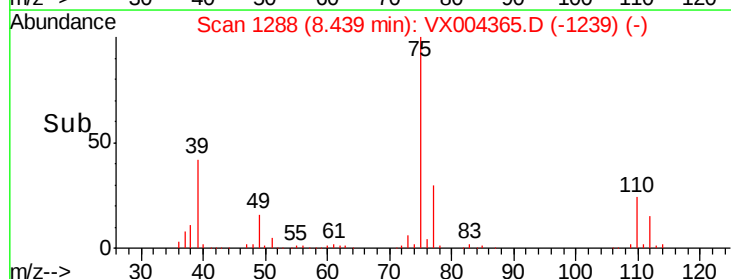
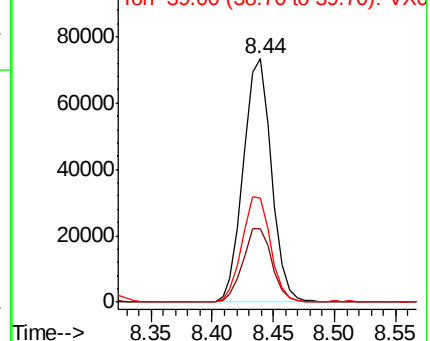
39 42.5 36.4 54.6

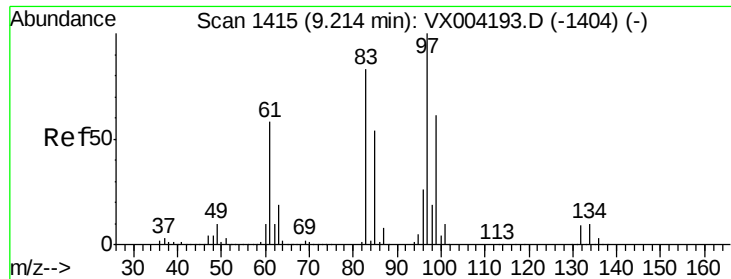


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

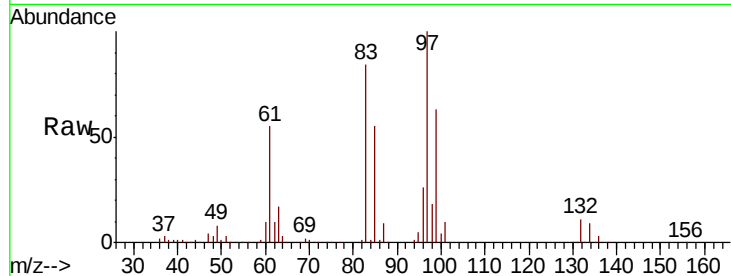




#55
 1,1,2-Trichloroethane
 Concen: 20.14 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	80249
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.4	99.6
85	54.6	43.3	64.9
99	62.6	49.0	73.4



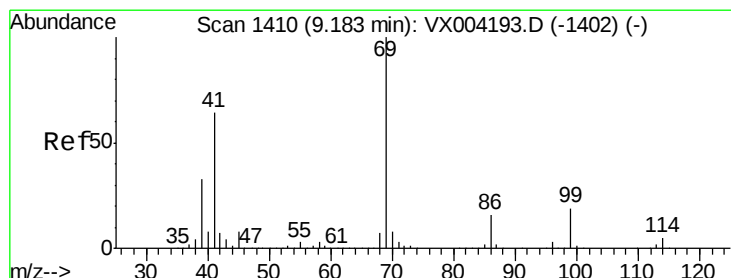
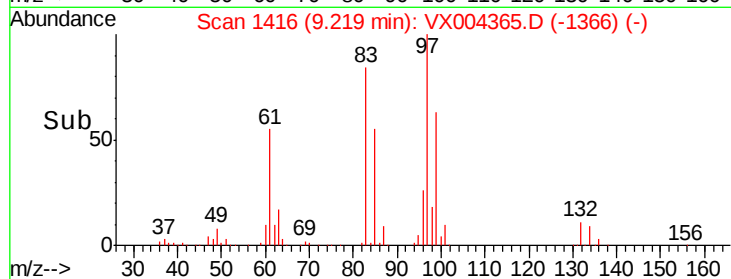
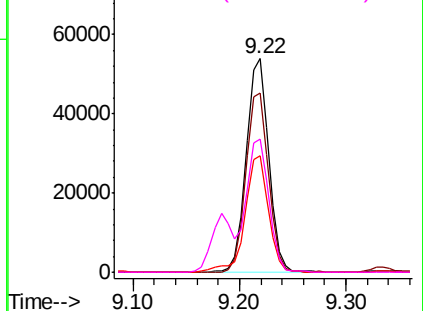
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

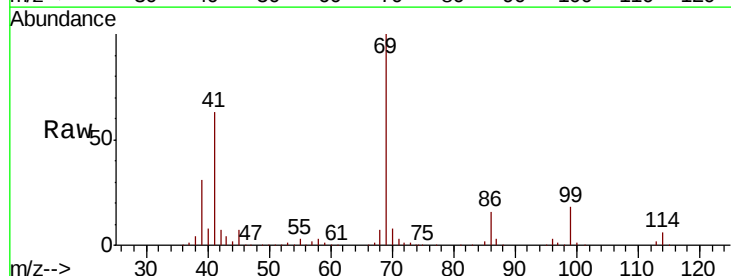
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.91 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion:	69	Resp:	108018
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	31.6	26.1	39.1

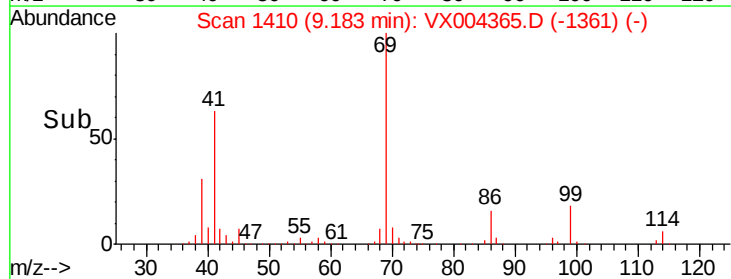
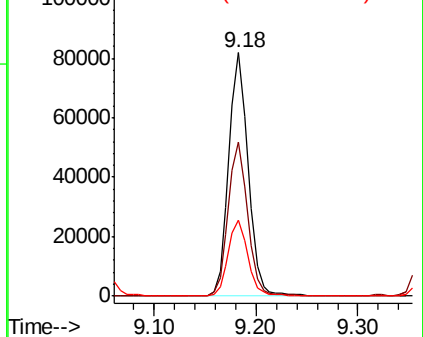


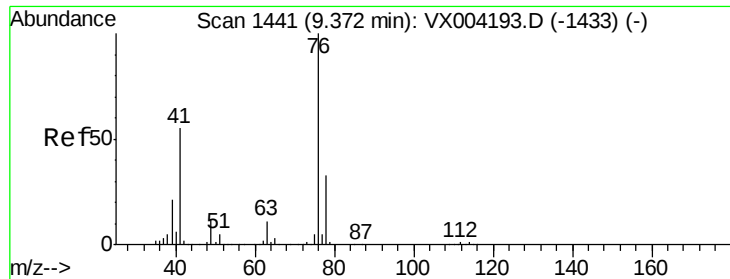
Abundance

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: 19.96 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

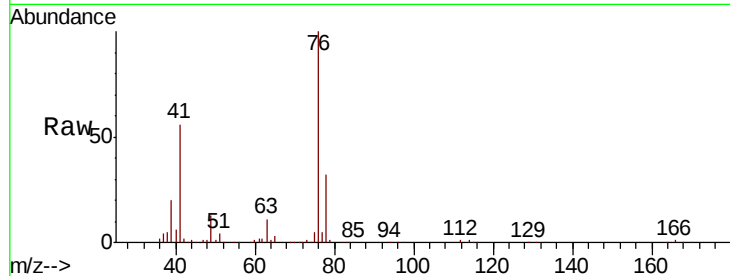
ClientSampleId :

Tot Ion: 76 Resp: 134071

Ion Ratio Lower Upper

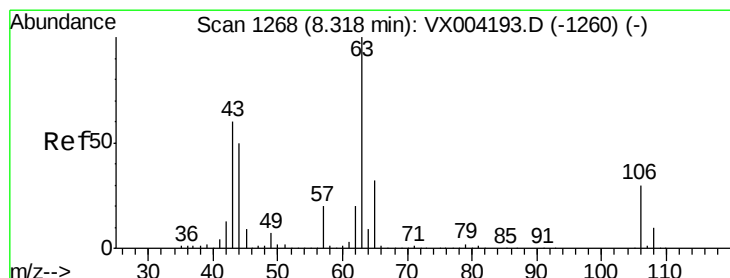
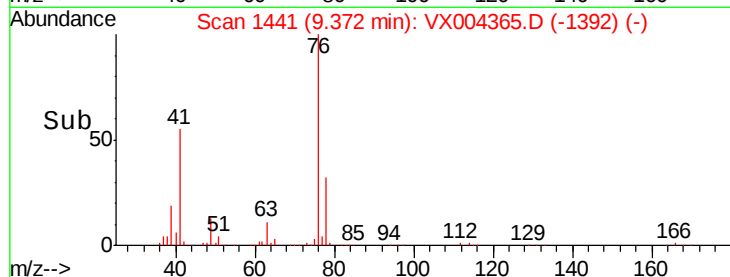
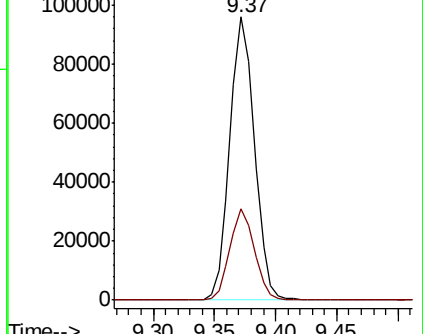
76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 97.27 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004365.D

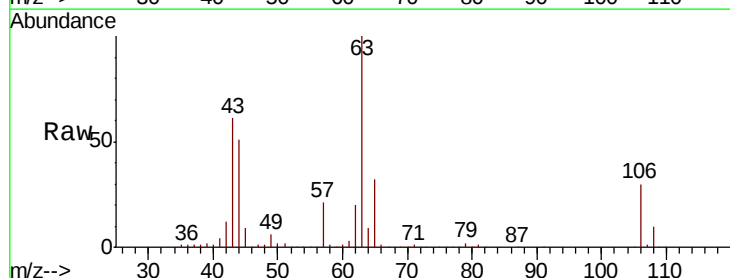
Acq: 05 Sep 2018 12:15

Tgt Ion: 63 Resp: 270353

Ion Ratio Lower Upper

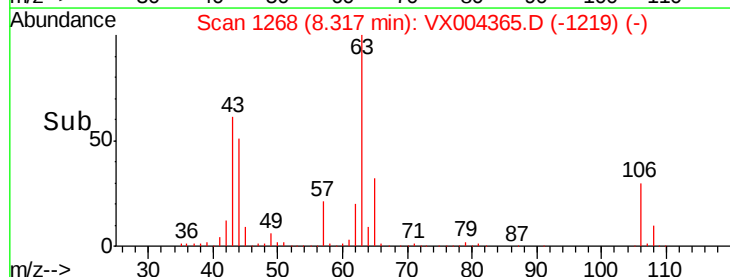
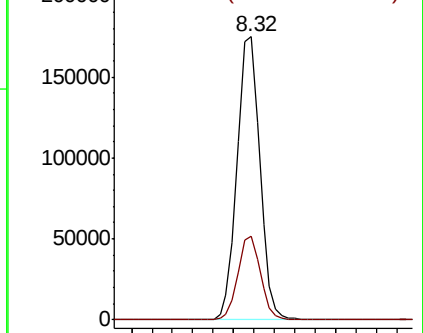
63 100

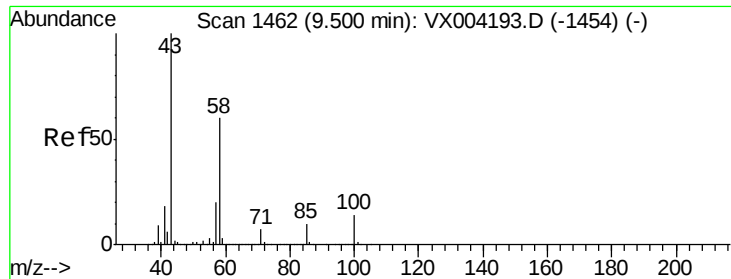
106 29.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

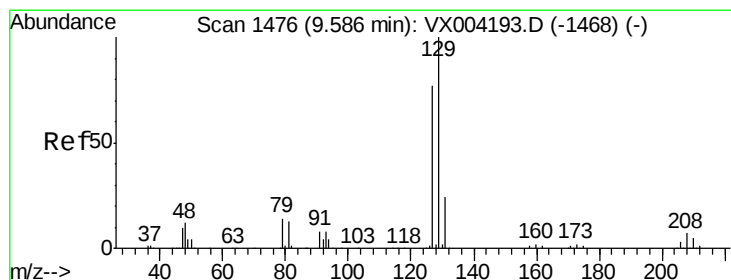
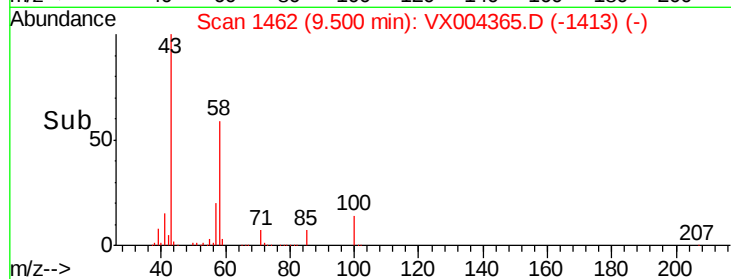
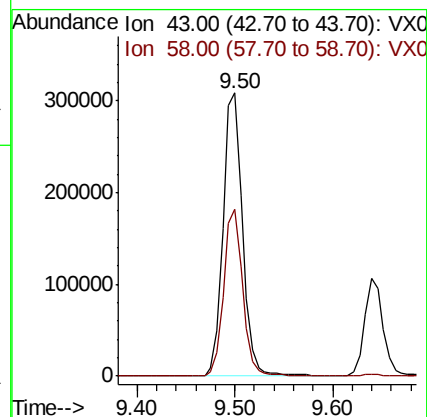
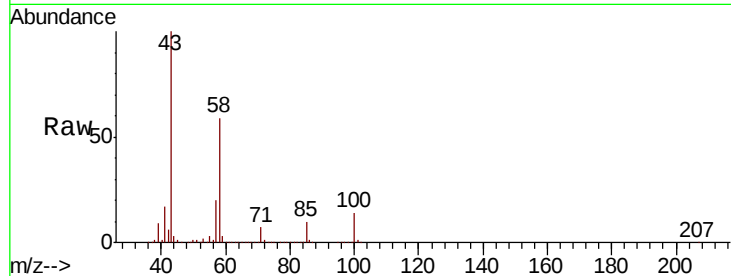




#59
2-Hexanone
Concen: 96.48 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

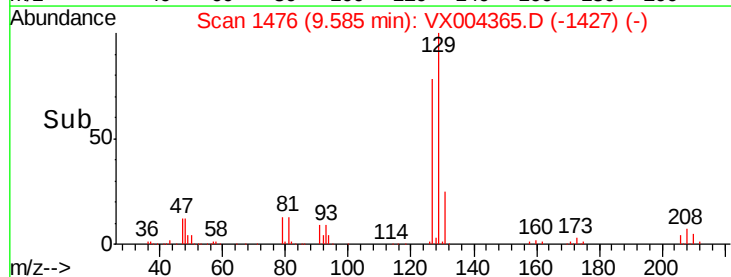
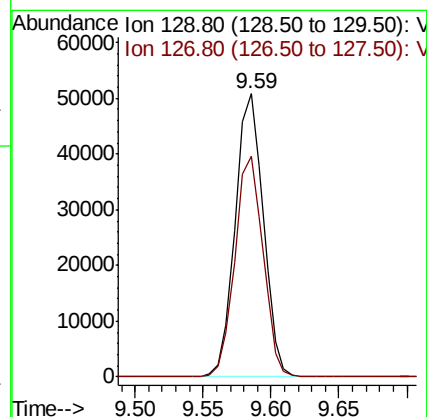
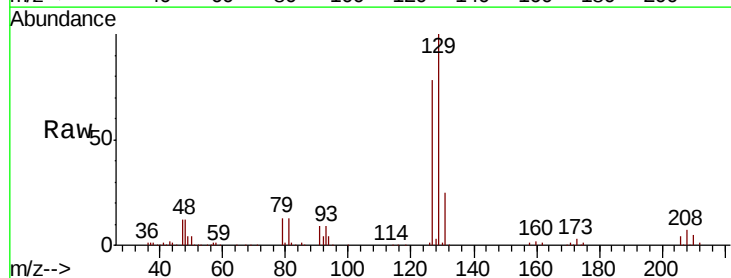
Instrument :
MSVOA_X
ClientSampleId :

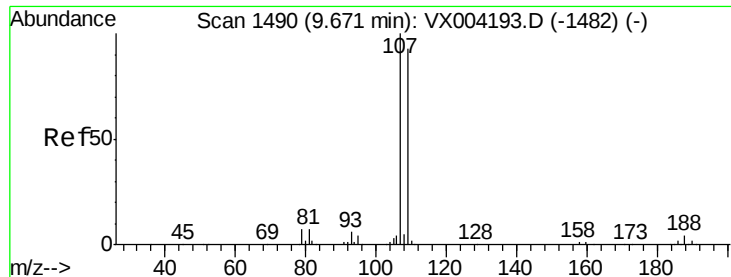
Tot Ion: 43 Resp: 426506
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.0



#60
Dibromochloromethane
Concen: 18.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 129 Resp: 73402
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.66 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

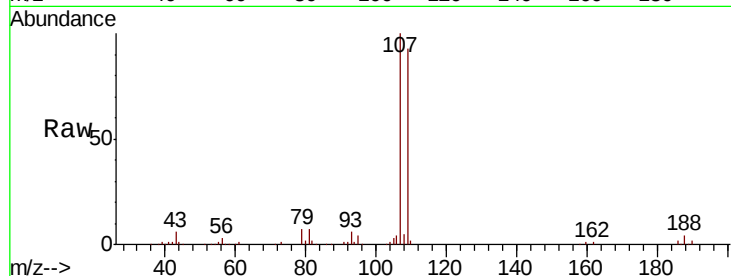
ClientSampleId :

Tot Ion:107 Resp: 81073

Ion Ratio Lower Upper

107 100

109 93.4 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

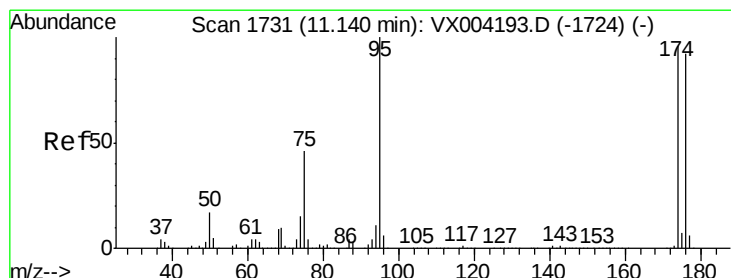
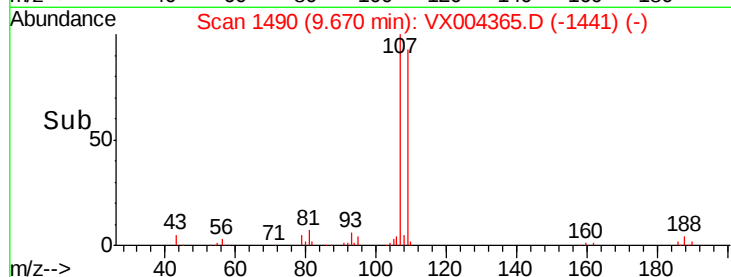
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 46.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

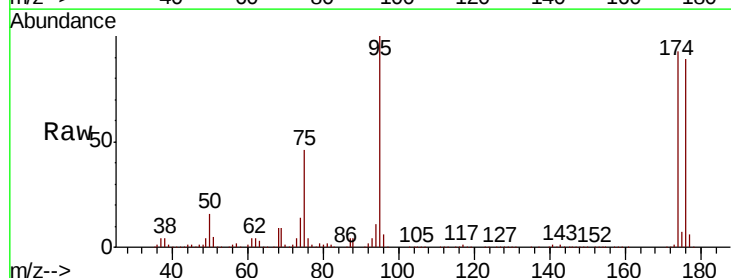
Tgt Ion: 95 Resp: 228526

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 89.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

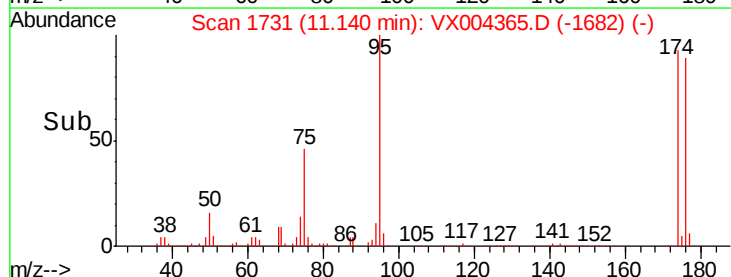
100000

50000

0

11.10 11.20

Time-->

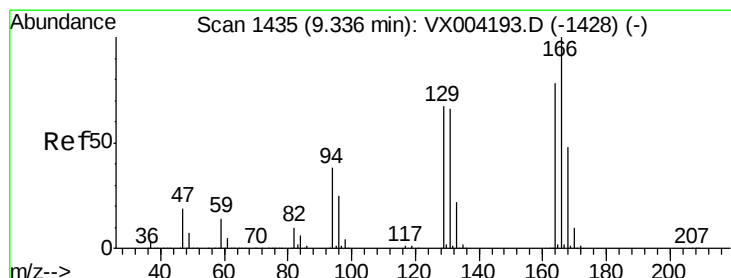
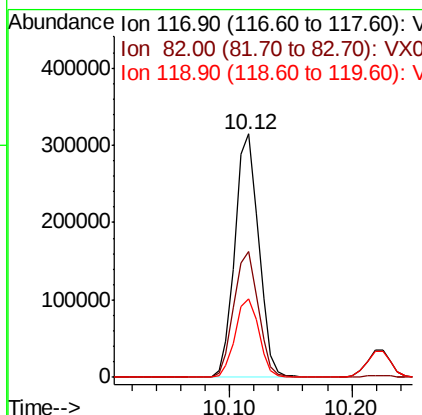
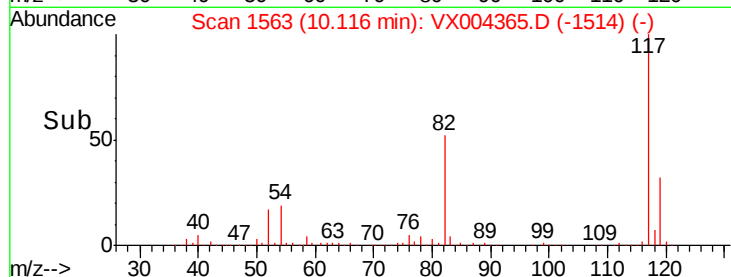
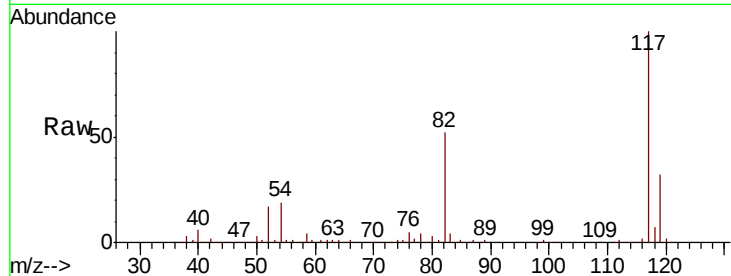




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

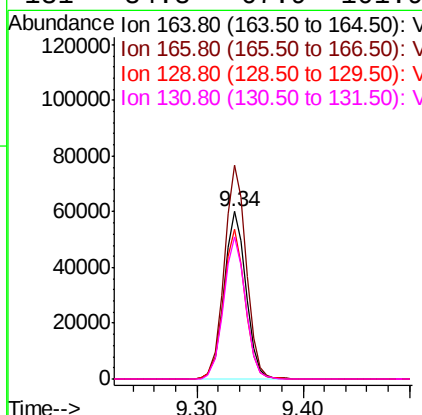
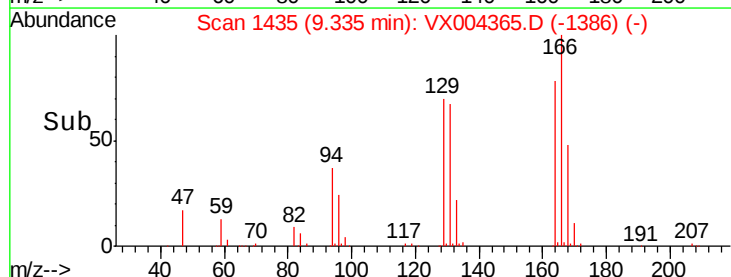
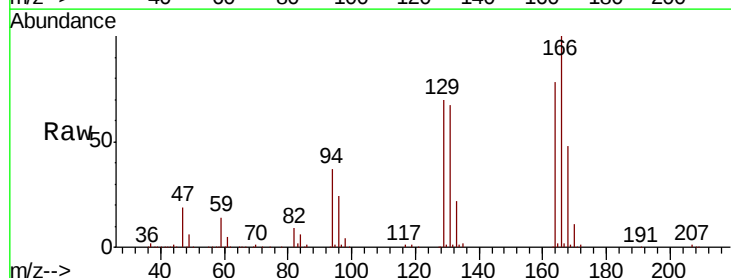
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 423351
Ion Ratio Lower Upper
117 100
82 51.9 47.8 71.6
119 32.2 29.3 43.9



#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion:164 Resp: 86496
Ion Ratio Lower Upper
164 100
166 127.5 102.8 154.2
129 89.3 69.4 104.0
131 84.8 67.9 101.9

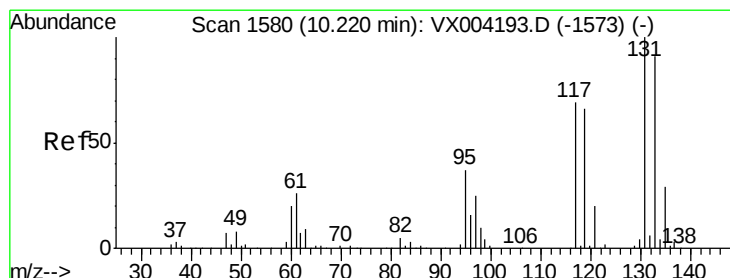
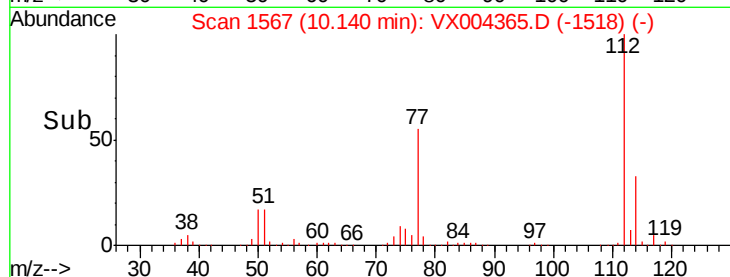
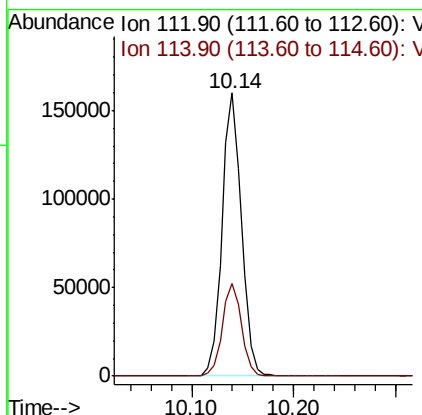
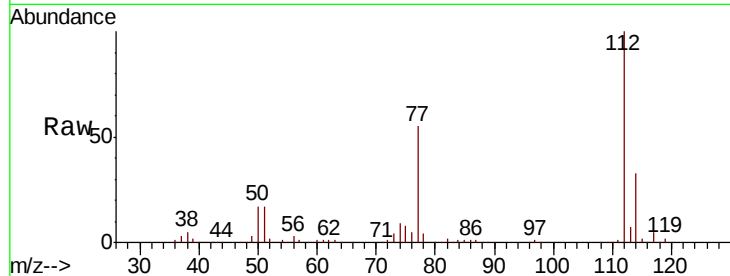




#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

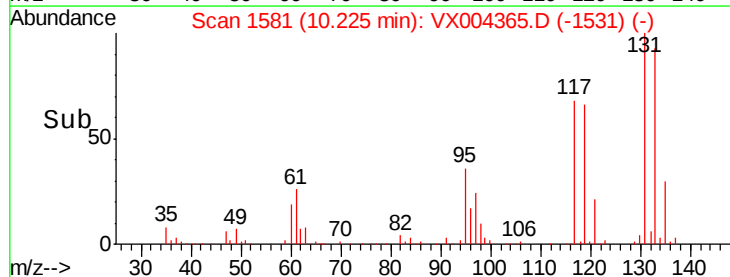
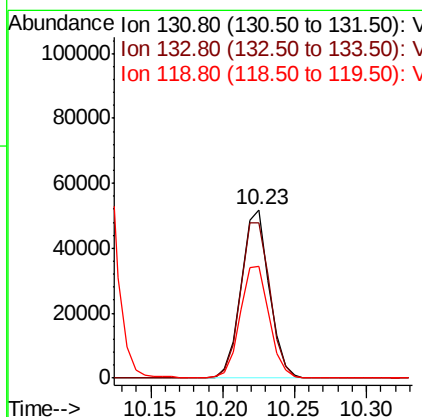
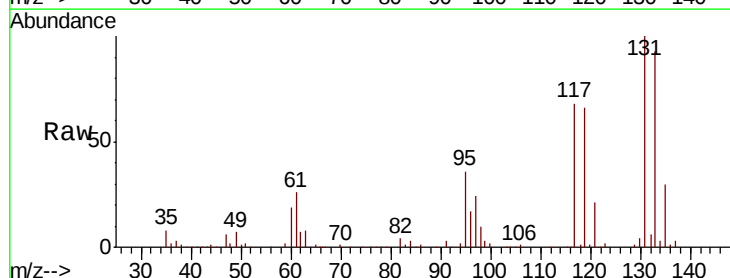
Instrument :
MSVOA_X
ClientSampleId :

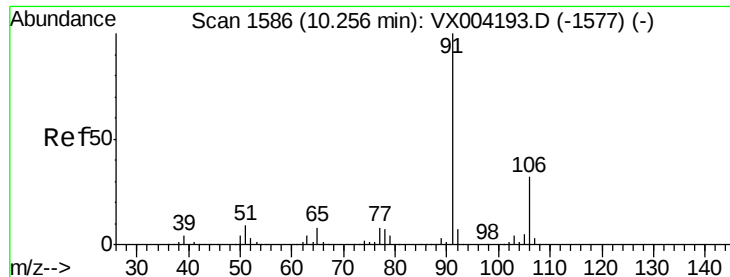
Tot Ion:112 Resp: 211736
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion:131 Resp: 69846
Ion Ratio Lower Upper
131 100
133 97.5 48.1 144.4
119 69.0 32.9 98.6

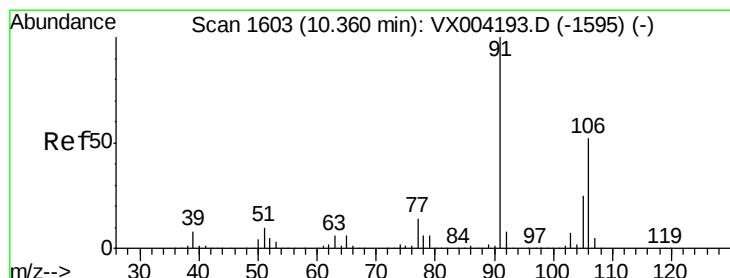
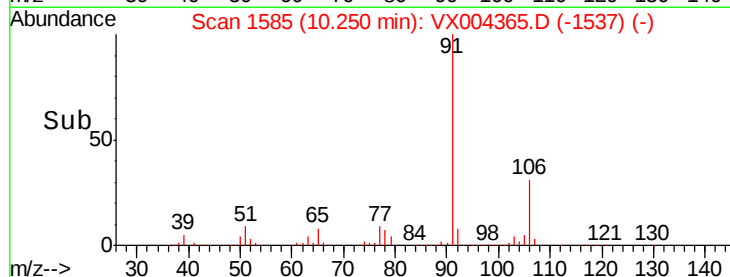
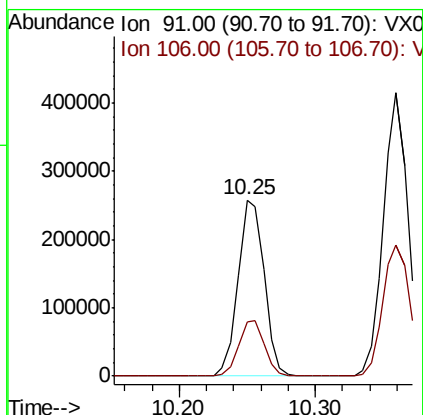
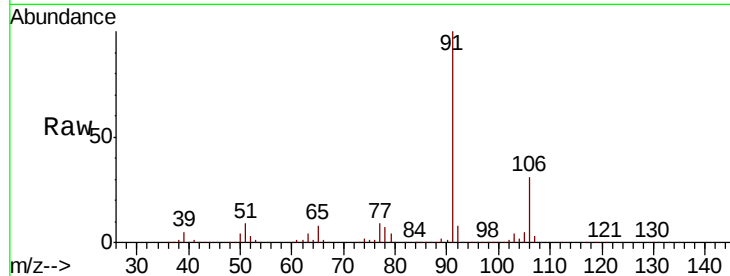




#67
Ethyl Benzene
Concen: 20.02 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

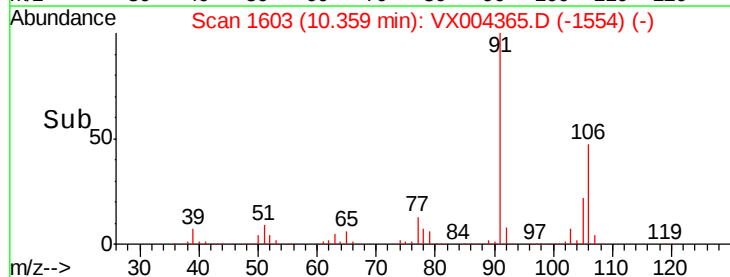
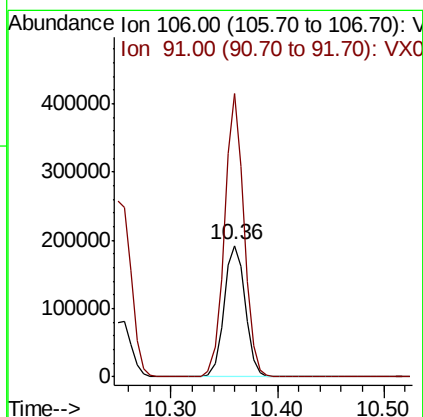
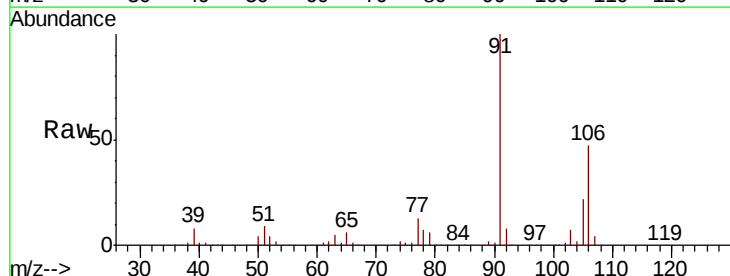
Instrument :
MSVOA_X
ClientSampled :

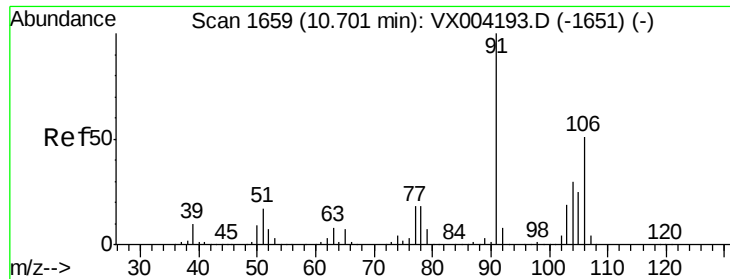
Tot Ion: 91 Resp: 345533
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 39.55 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 106 Resp: 266878
Ion Ratio Lower Upper
106 100
91 198.7 157.1 235.7

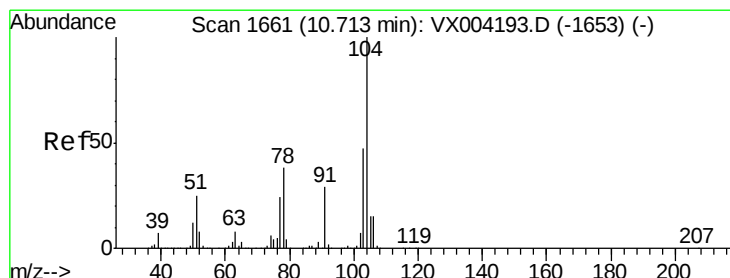
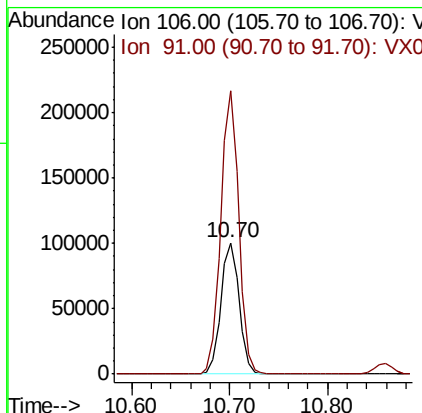
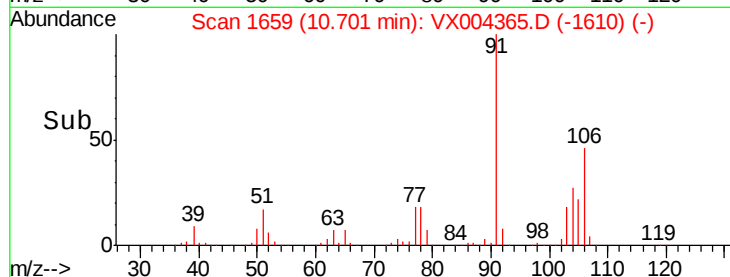
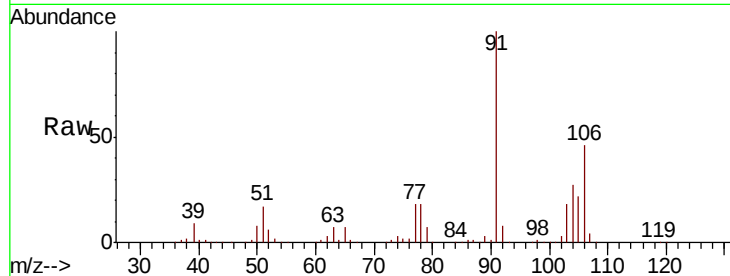




#69
o-Xylene
Concen: 20.44 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

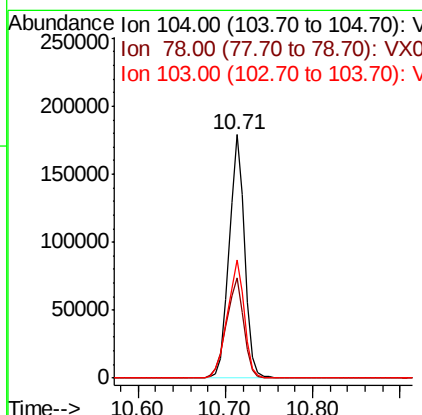
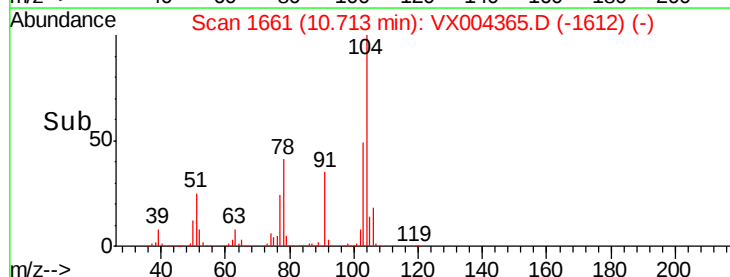
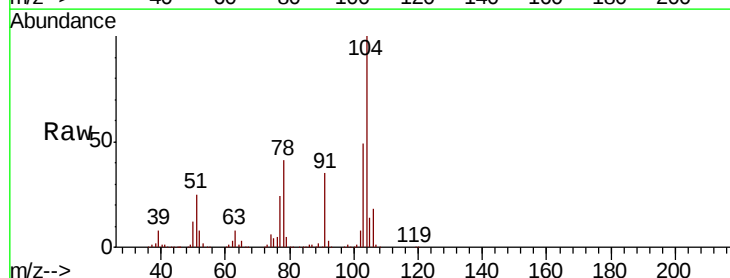
Instrument :
MSVOA_X
ClientSampled :

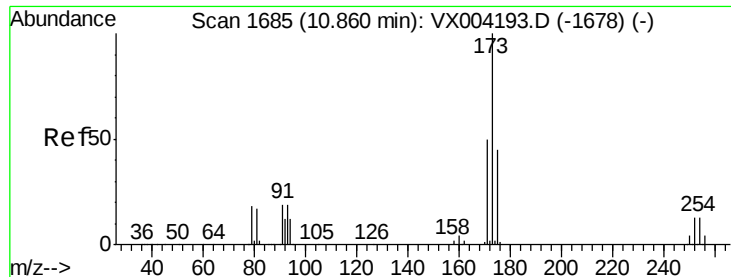
Tot Ion:106 Resp: 130459
Ion Ratio Lower Upper
106 100
91 212.2 105.1 315.1



#70
Styrene
Concen: 21.30 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion:104 Resp: 220144
Ion Ratio Lower Upper
104 100
78 46.3 37.4 56.0
103 53.5 43.8 65.6

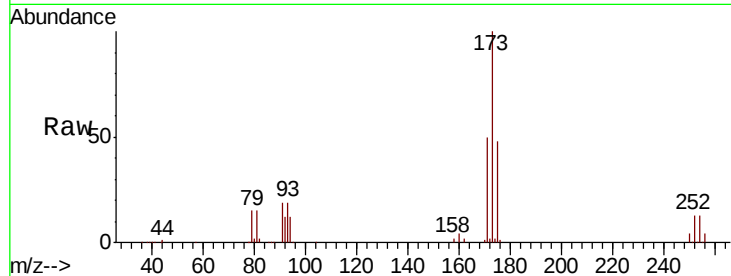




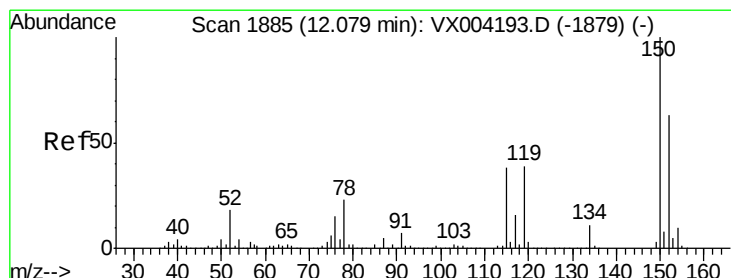
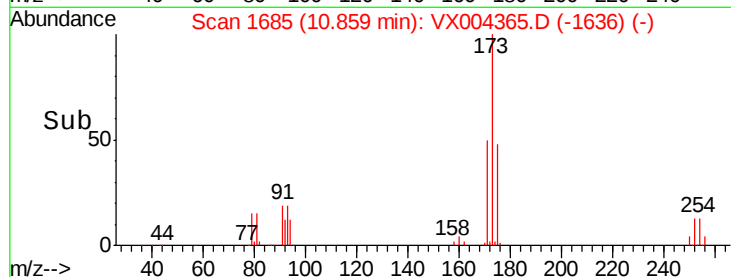
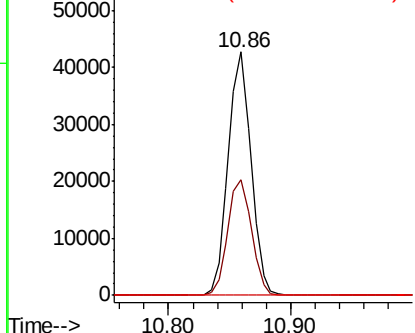
#71
Bromoform
Concen: 18.75 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 55400
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.3
254 0.1 0.2 0.2#

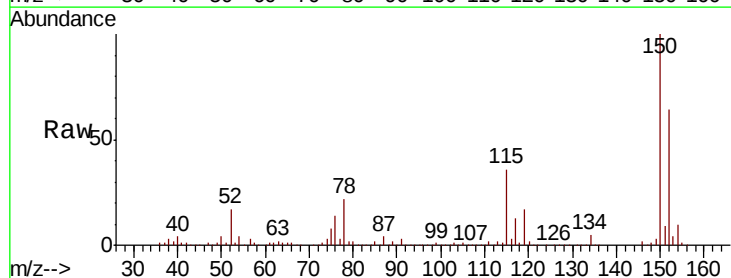


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

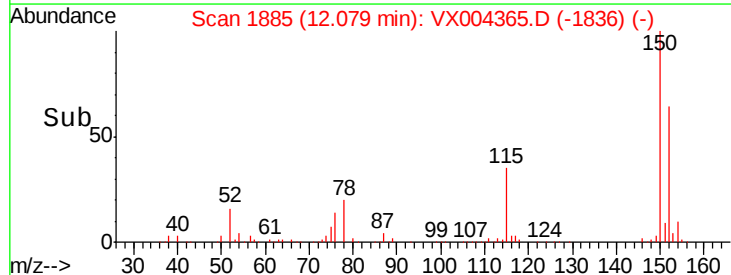
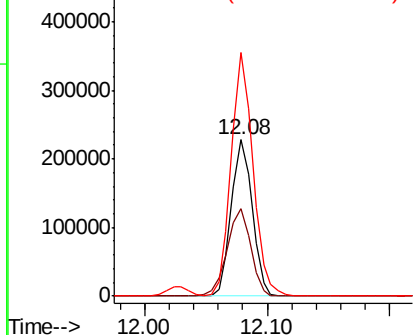


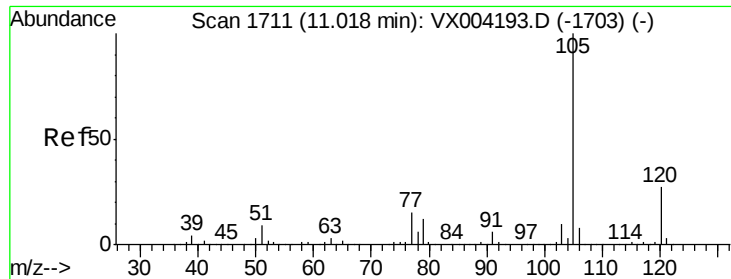
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion:152 Resp: 268953
Ion Ratio Lower Upper
152 100
115 63.4 39.0 117.0
150 161.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

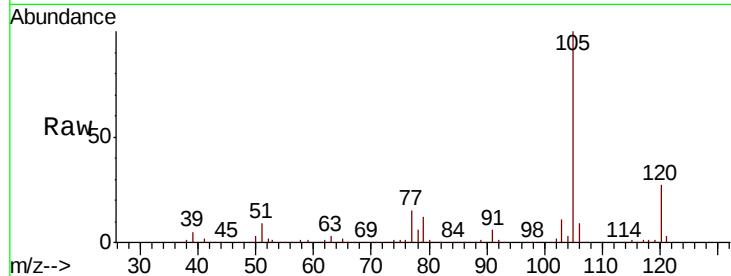
ClientSampleId :

Tot Ion:105 Resp: 367631

Ion Ratio Lower Upper

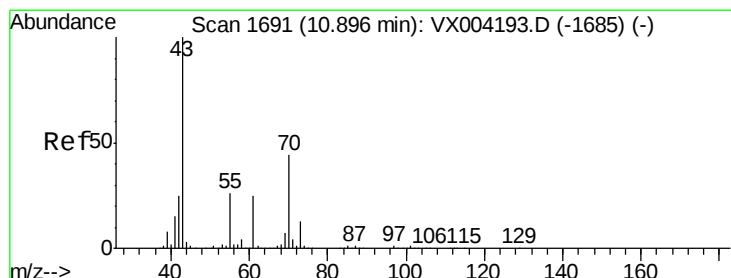
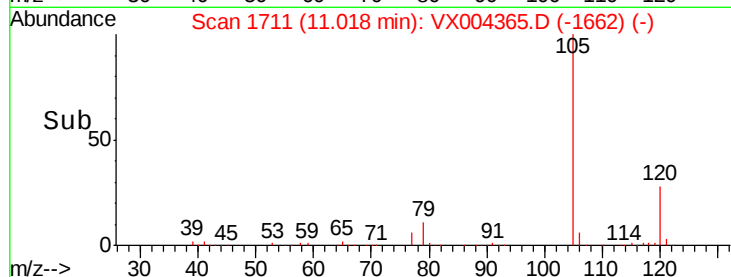
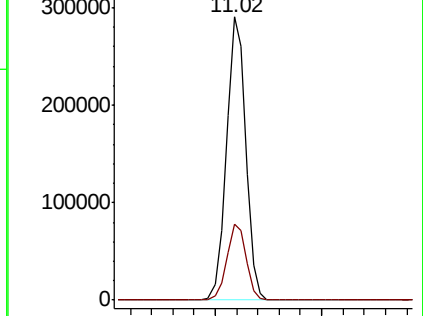
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.48 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion: 43 Resp: 132472

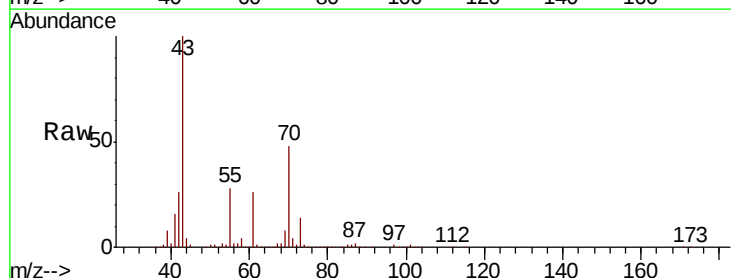
Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.0

55 28.3 21.8 32.8

61 25.5 20.6 30.8

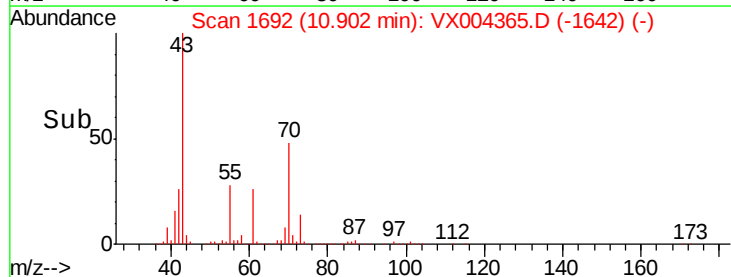
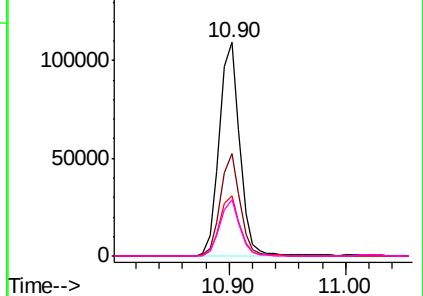


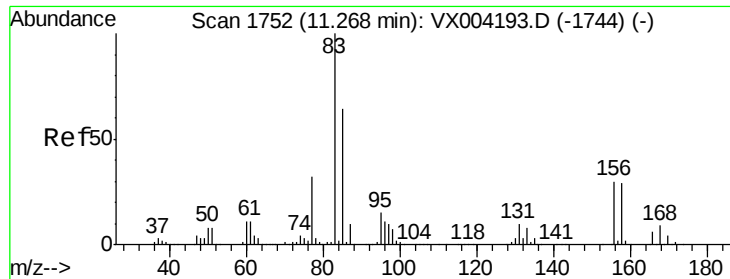
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.20 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

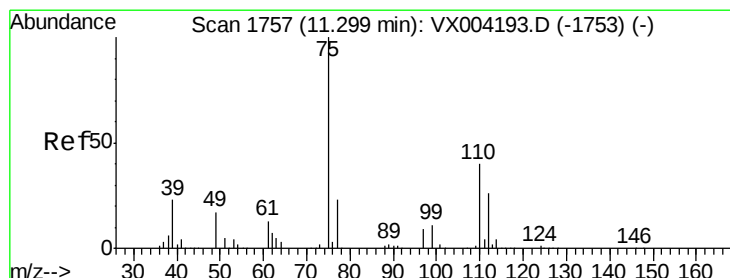
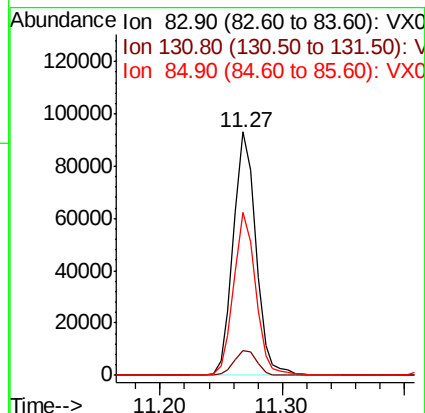
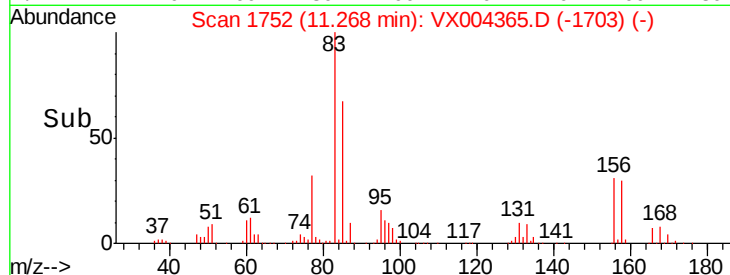
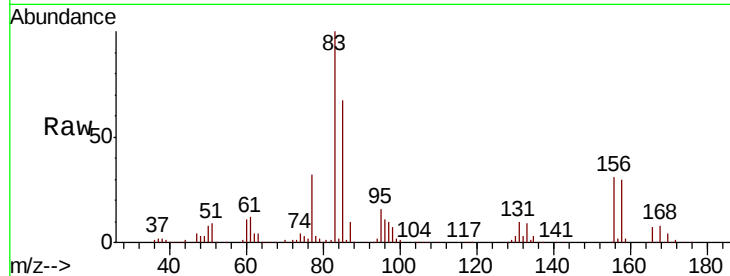
Tot Ion: 83 Resp: 118695

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

85 65.2 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 24.30 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004365.D

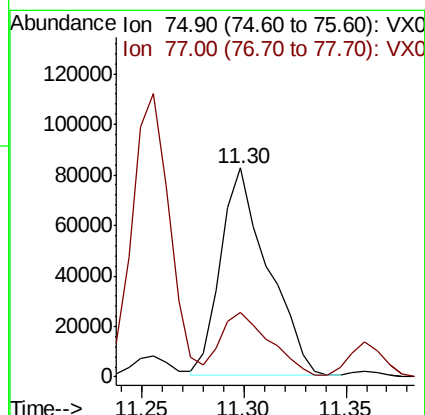
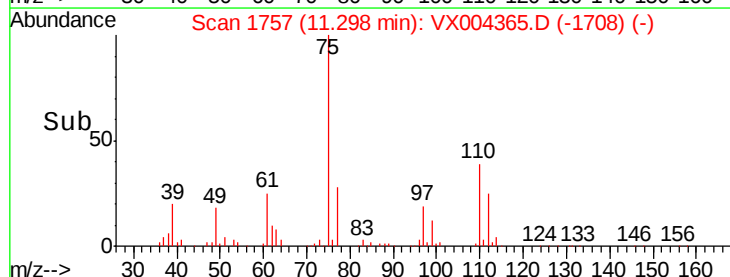
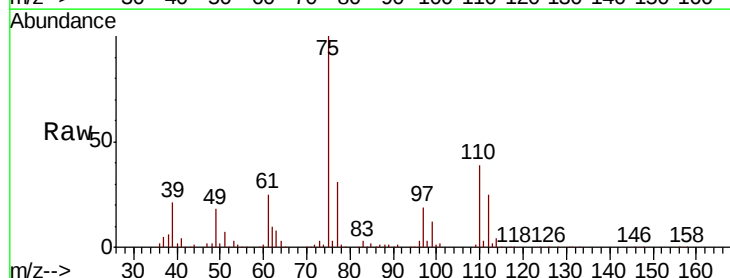
Acq: 05 Sep 2018 12:15

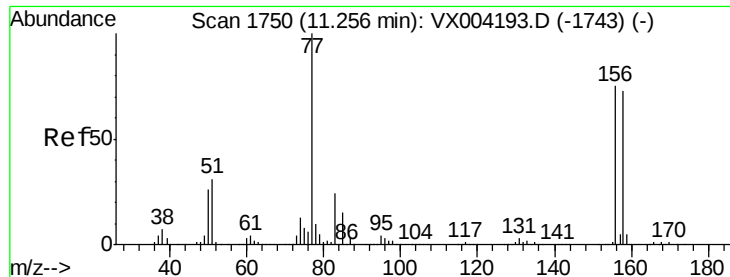
Tgt Ion: 75 Resp: 132912

Ion Ratio Lower Upper

75 100

77 32.5 20.2 60.6





#77

Bromobenzene

Concen: 19.88 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

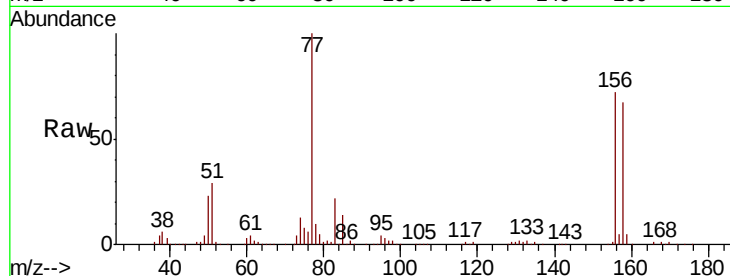
Tot Ion:156 Resp: 98528

Ion Ratio Lower Upper

156 100

77 145.8 71.5 214.3

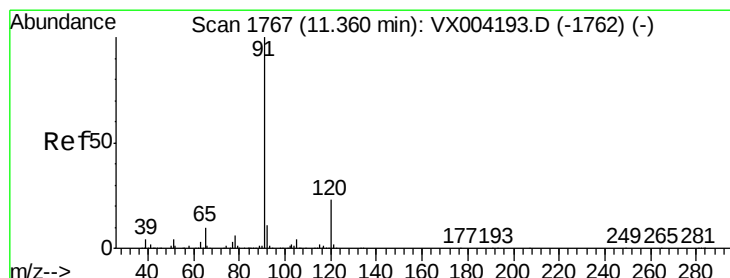
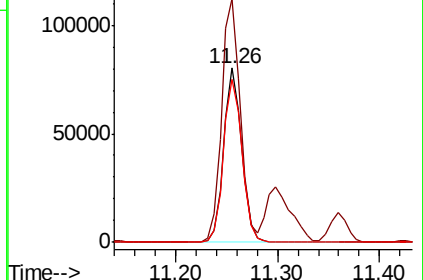
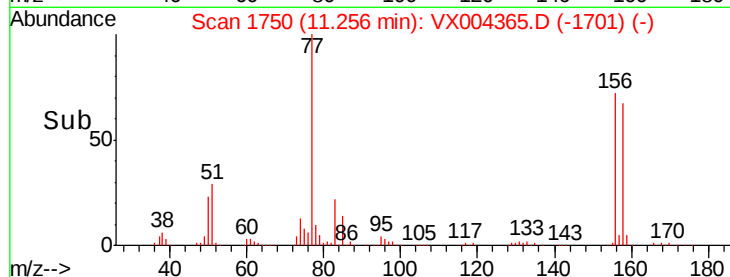
158 96.6 48.9 146.8



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: 20.59 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004365.D

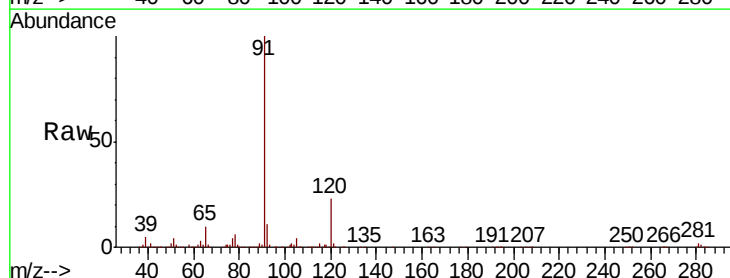
Acq: 05 Sep 2018 12:15

Tgt Ion: 91 Resp: 418295

Ion Ratio Lower Upper

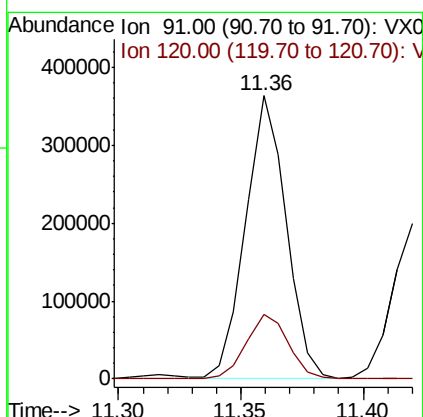
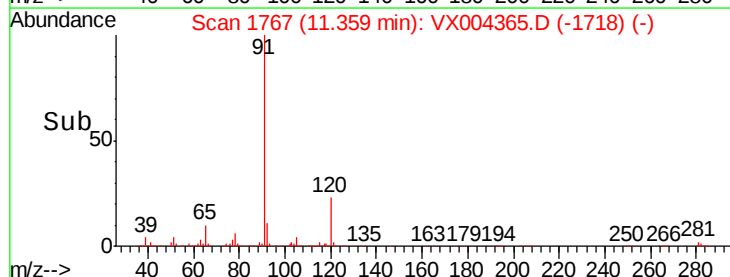
91 100

120 23.7 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: 20.04 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

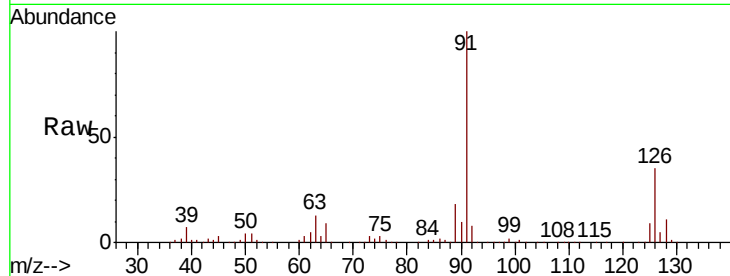
ClientSampleId :

Tot Ion: 91 Resp: 250576

Ion Ratio Lower Upper

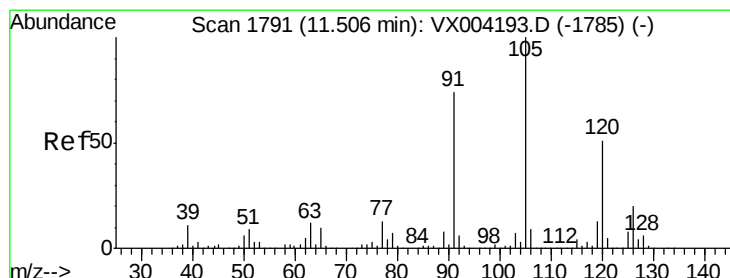
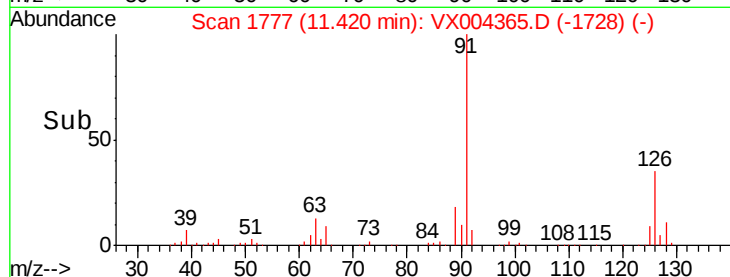
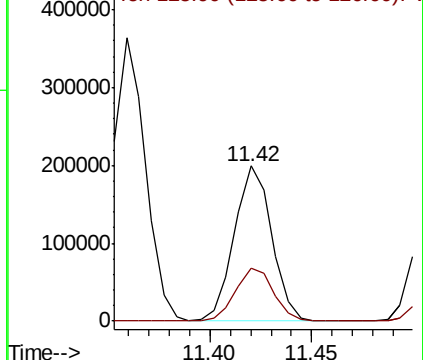
91 100

126 35.3 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: 20.78 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004365.D

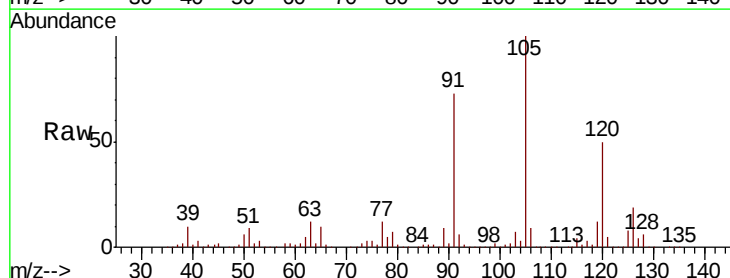
Acq: 05 Sep 2018 12:15

Tgt Ion:105 Resp: 303991

Ion Ratio Lower Upper

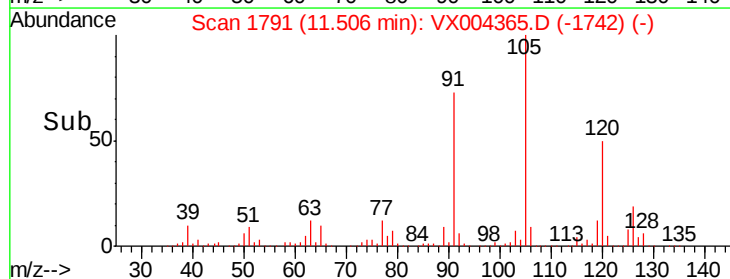
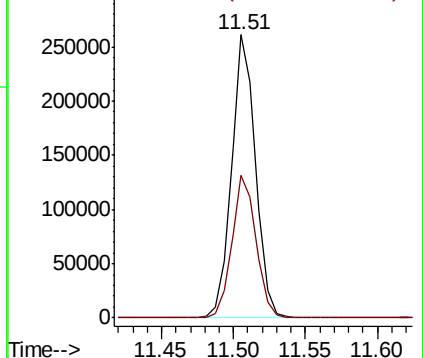
105 100

120 50.9 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: 18.54 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

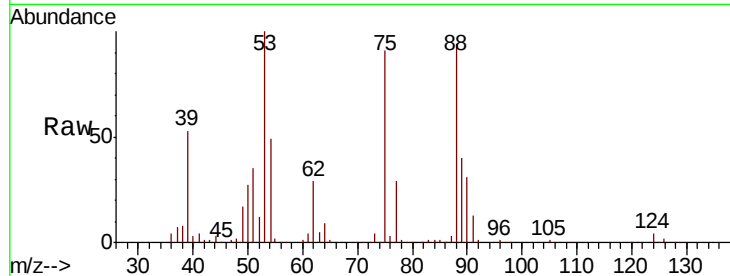
Tot Ion: 75 Resp: 31264

Ion Ratio Lower Upper

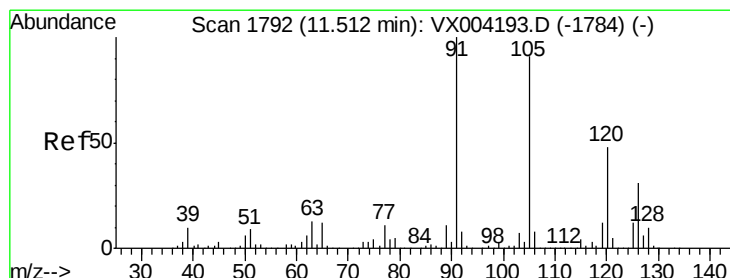
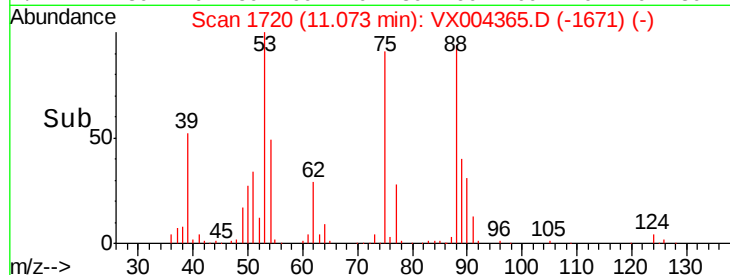
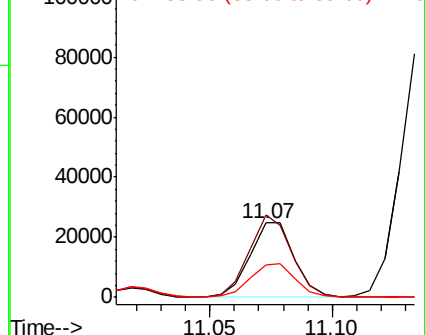
75 100

53 106.3 80.1 120.1

89 46.0 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: 19.85 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004365.D

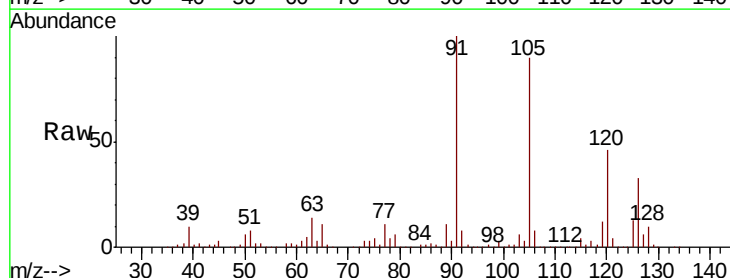
Acq: 05 Sep 2018 12:15

Tgt Ion: 91 Resp: 292107

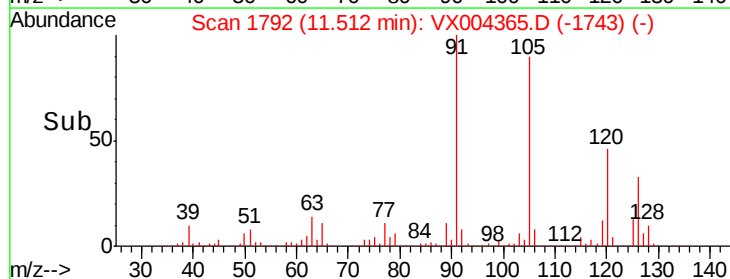
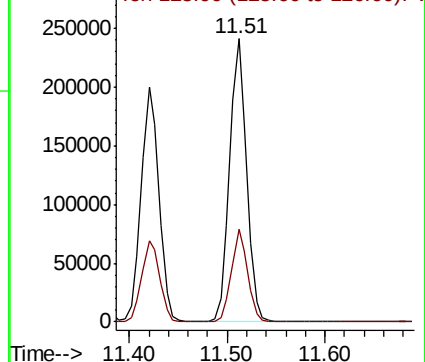
Ion Ratio Lower Upper

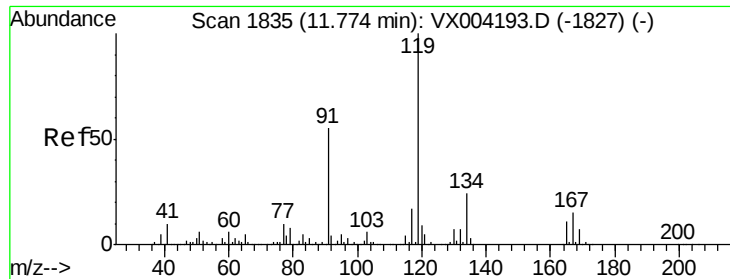
91 100

126 31.2 15.5 46.5



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

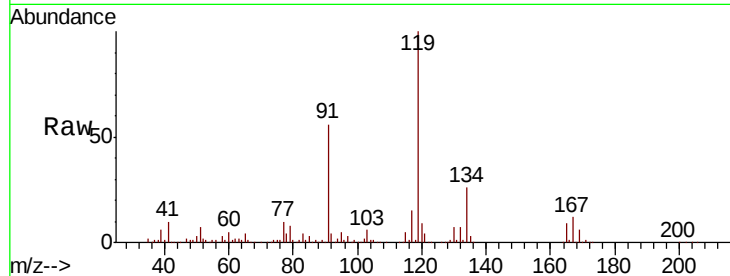




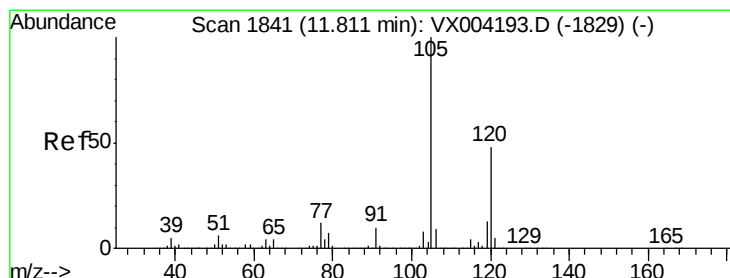
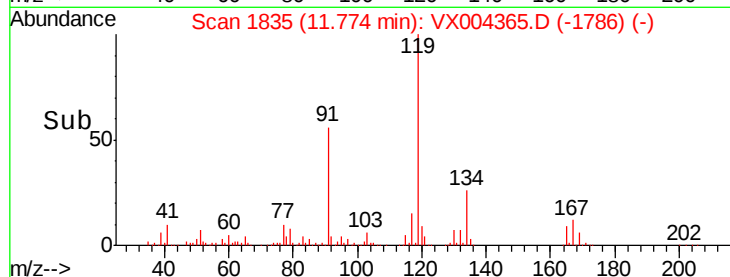
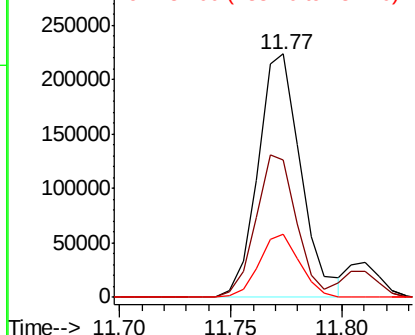
#83
 tert-Butylbenzene
 Concen: 20.36 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleID :

Tot Ion:119 Resp: 299604
 Ion Ratio Lower Upper
 119 100
 91 55.4 27.0 81.0
 134 24.7 11.7 35.1

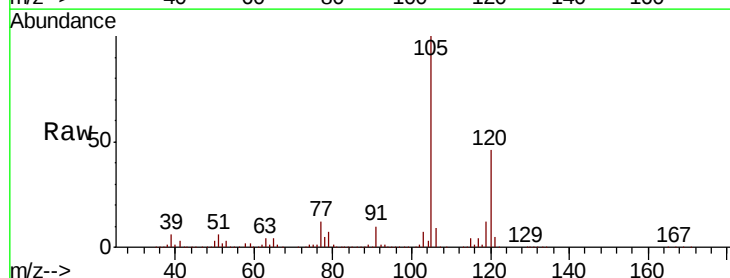


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

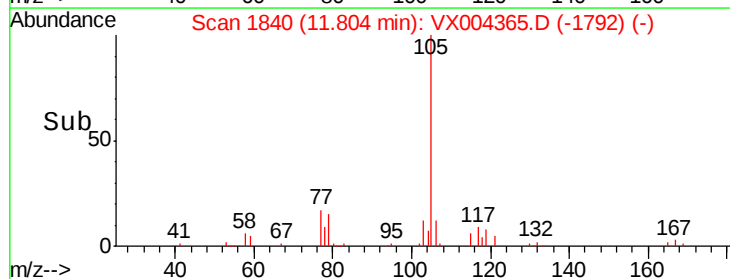
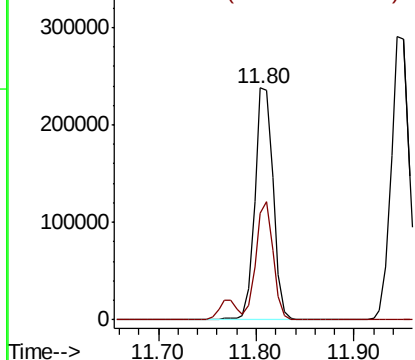


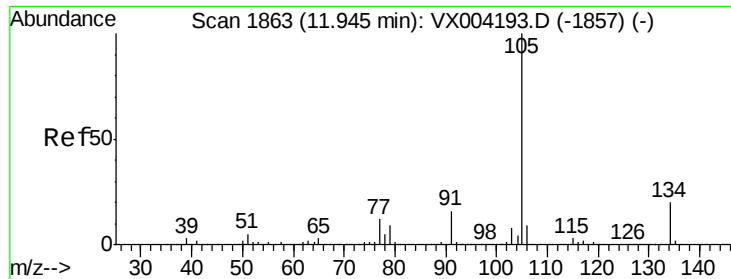
#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion:105 Resp: 309061
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.17 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

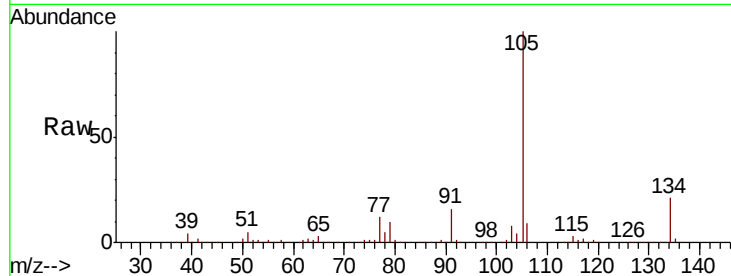
ClientSampleId :

Tot Ion:105 Resp: 369976

Ion Ratio Lower Upper

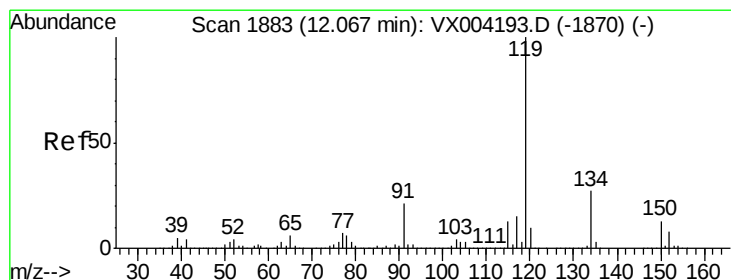
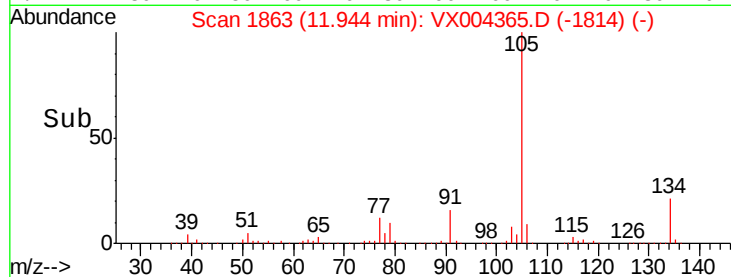
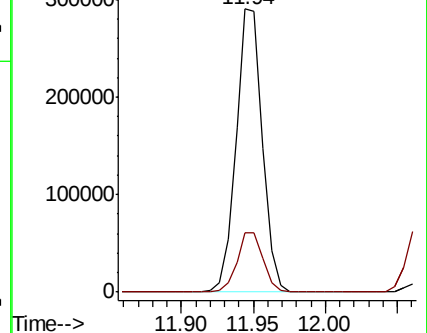
105 100

134 20.9 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: 20.99 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

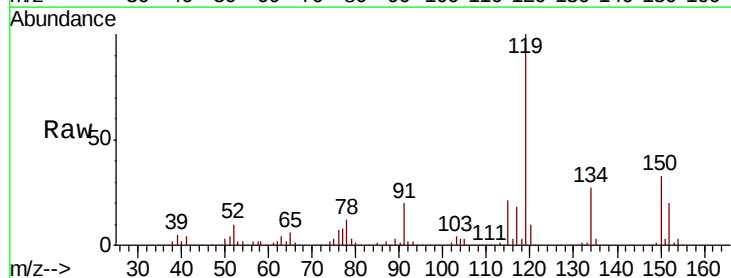
Tgt Ion:119 Resp: 328666

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

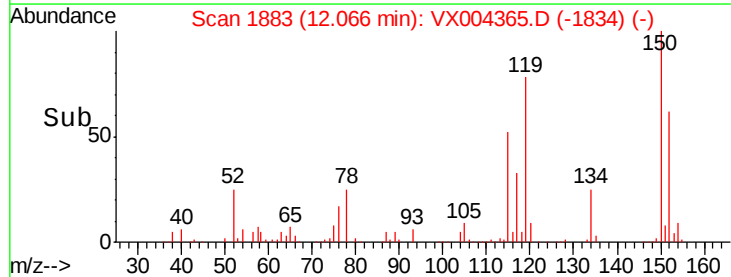
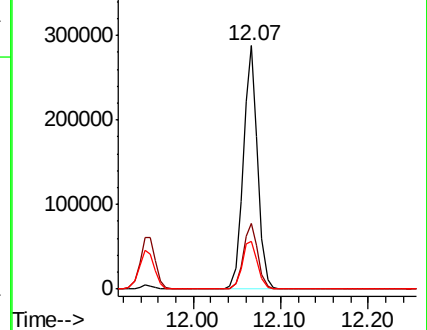
91 21.3 10.9 32.7

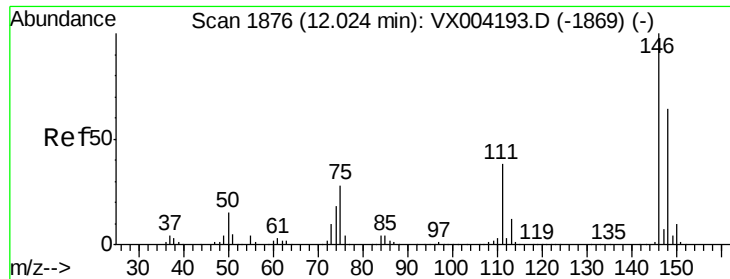


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

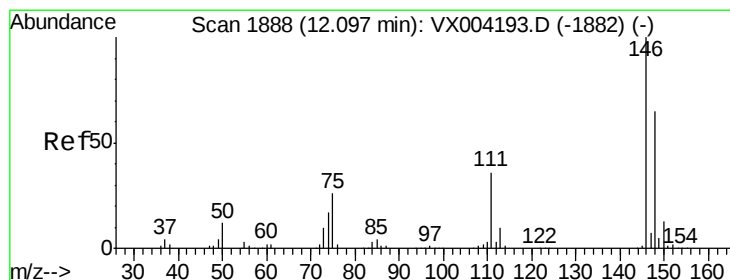
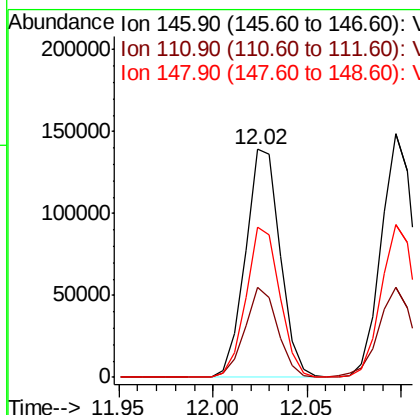
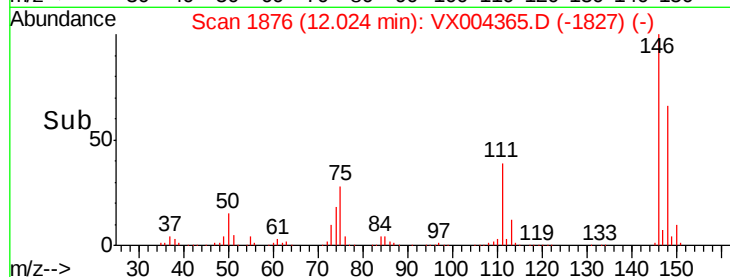
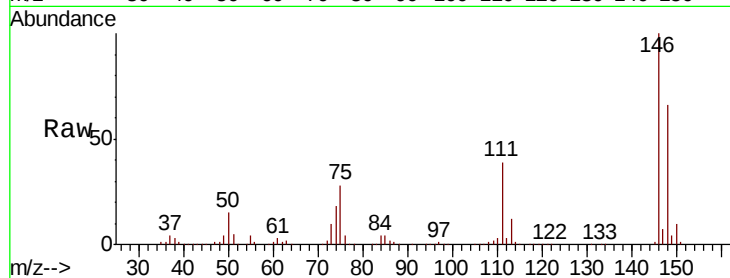




#87
 1,3-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

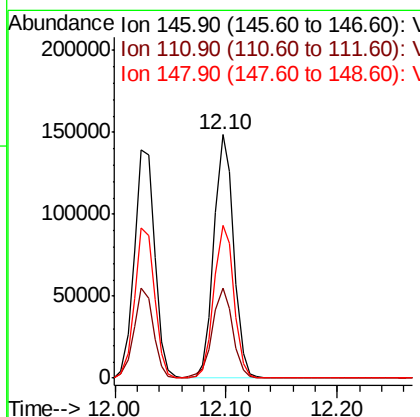
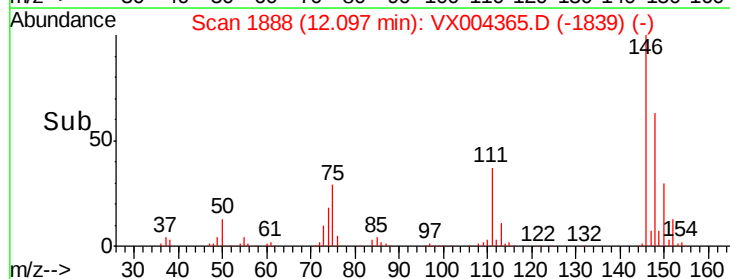
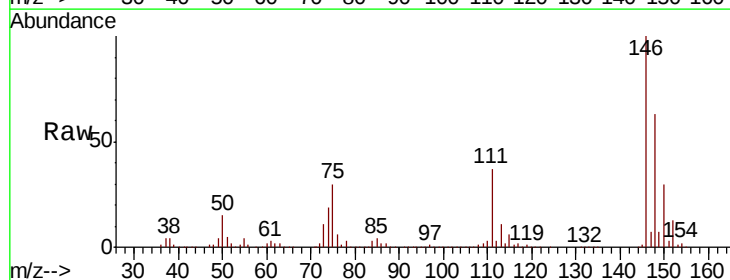
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 177720
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion:146 Resp: 182549
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.1
 148 63.8 32.0 96.0

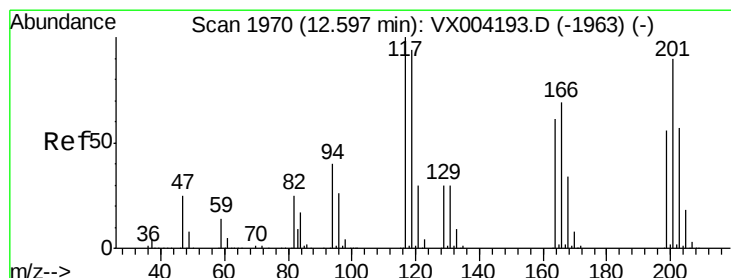
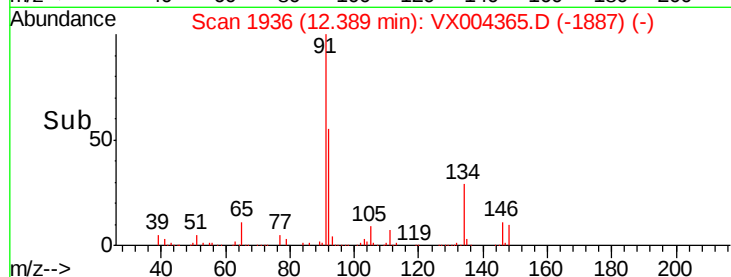
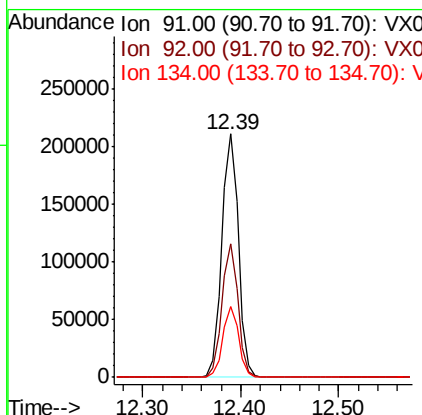
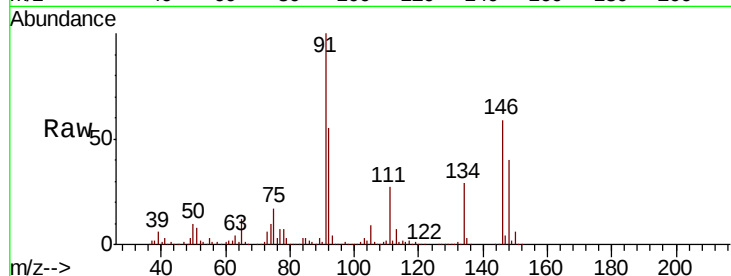




#89
n-Butylbenzene
Concen: 19.53 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

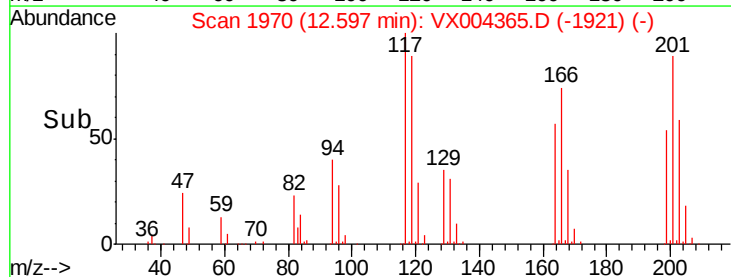
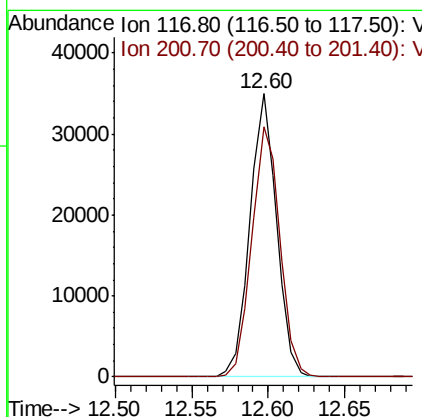
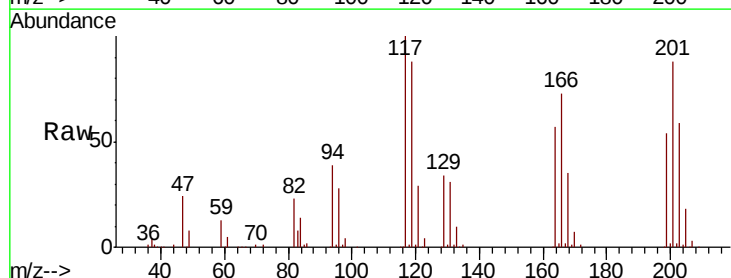
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 248643
Ion Ratio Lower Upper
91 100
92 53.2 27.3 81.9
134 27.8 13.6 40.7



#90
Hexachloroethane
Concen: 19.34 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 117 Resp: 42338
Ion Ratio Lower Upper
117 100
201 92.9 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.03 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

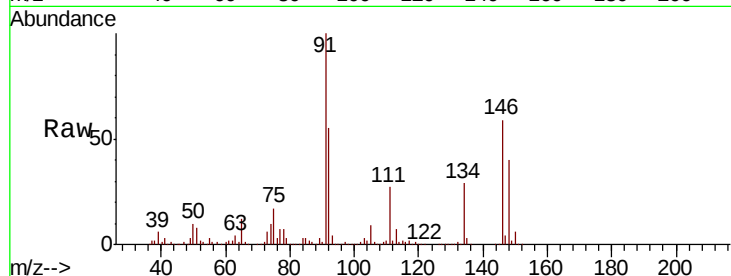
Tot Ion:146 Resp: 162295

Ion Ratio Lower Upper

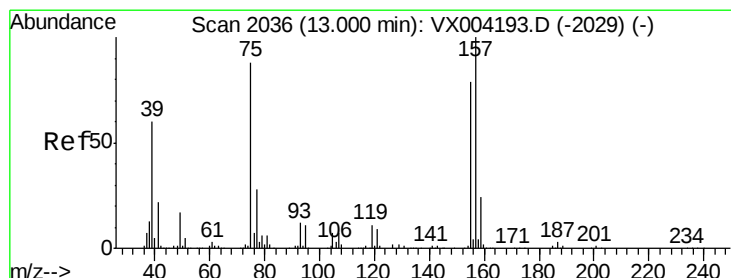
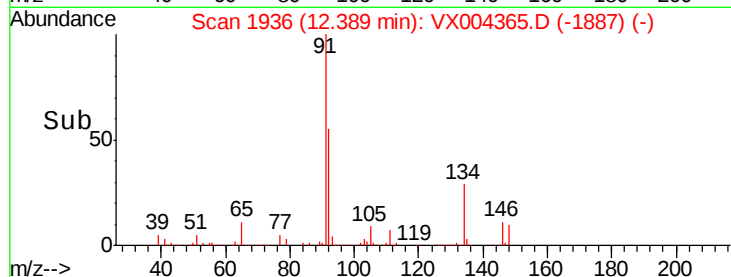
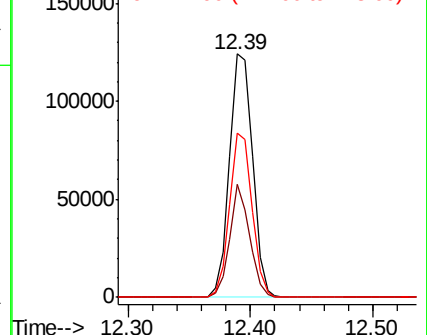
146 100

111 39.8 19.4 58.1

148 65.4 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.85 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

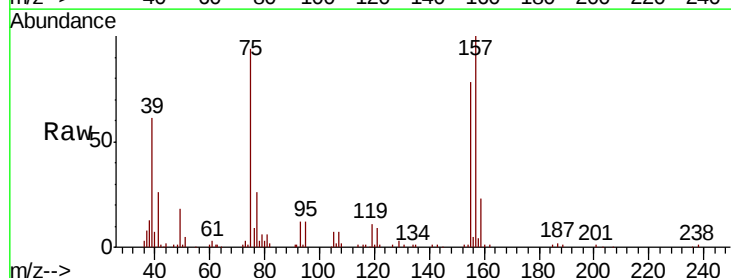
Tgt Ion: 75 Resp: 20523

Ion Ratio Lower Upper

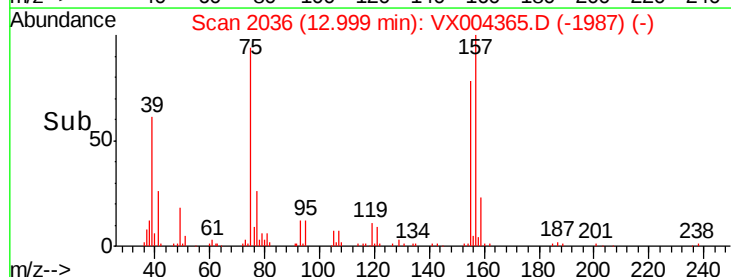
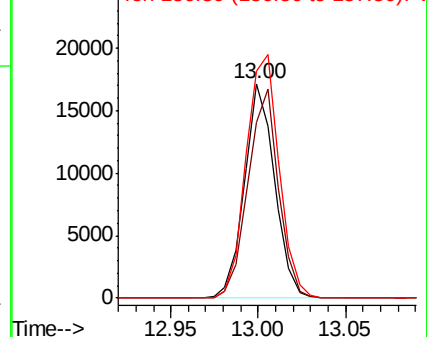
75 100

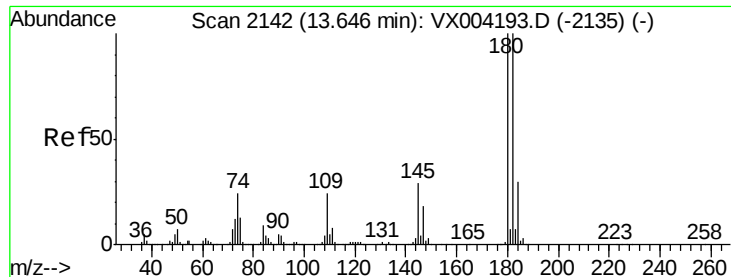
155 99.1 48.0 144.2

157 124.5 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

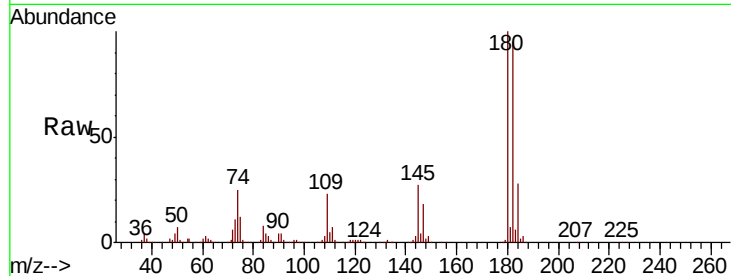




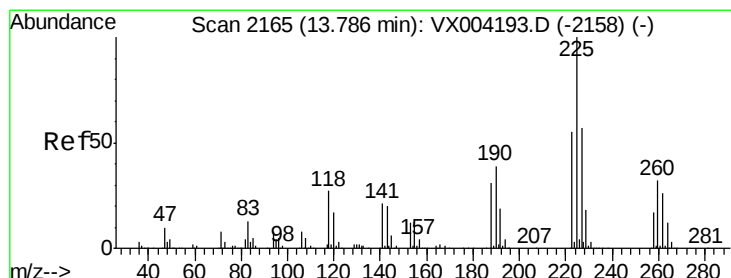
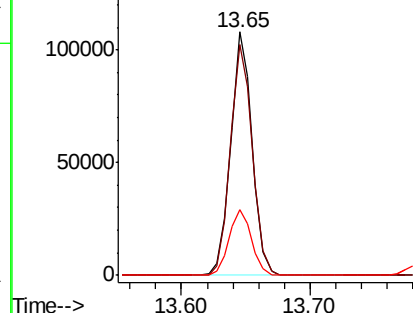
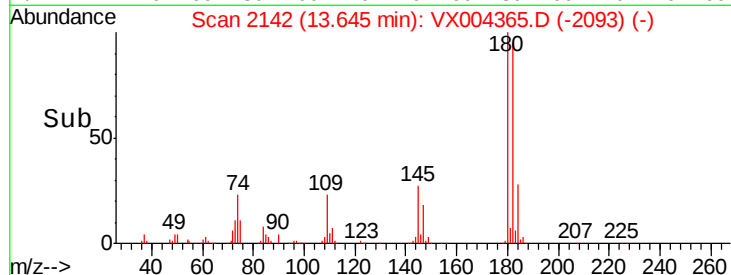
#93
 1,2,4-Trichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.4	145.0
145	28.4	14.3	42.9

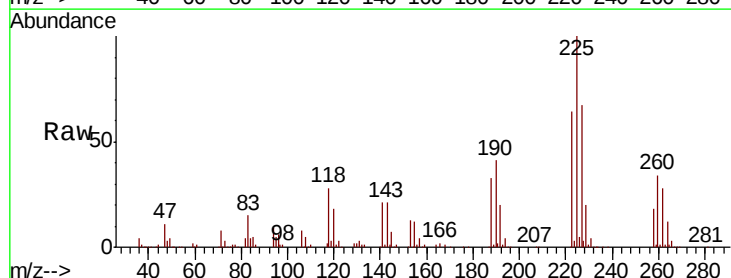


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

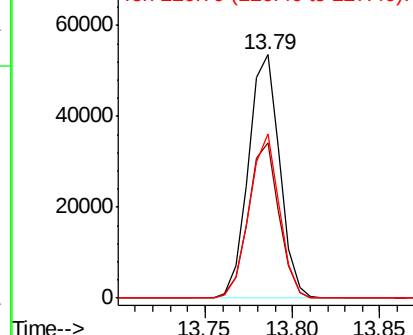
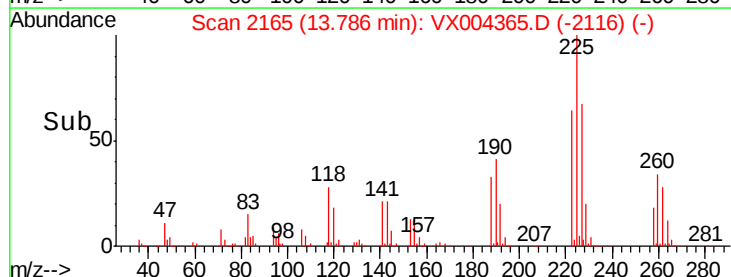


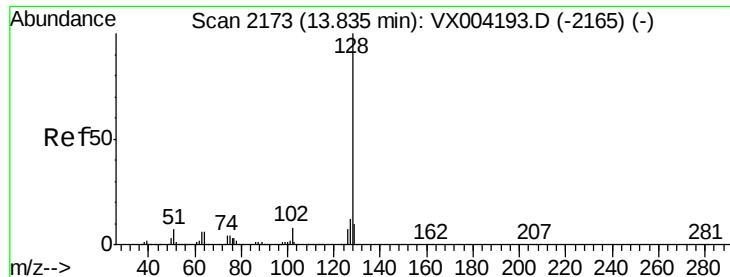
#94
 Hexachlorobutadiene
 Concen: 22.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.1	90.5
227	64.8	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.80 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

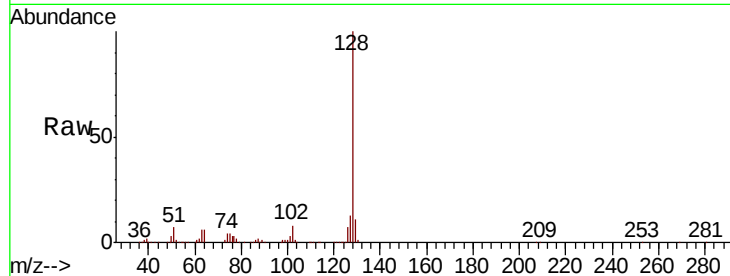
Tot Ion:128 Resp: 382486

Ion Ratio Lower Upper

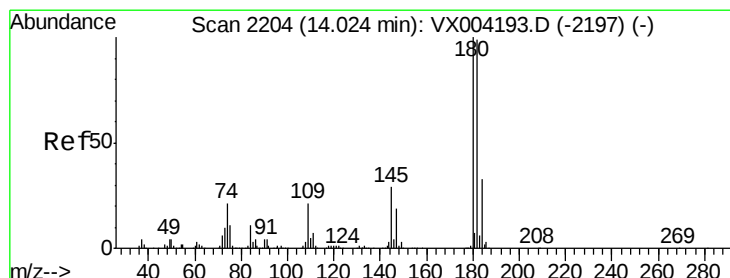
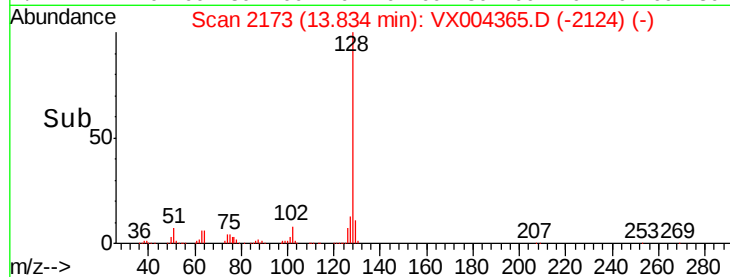
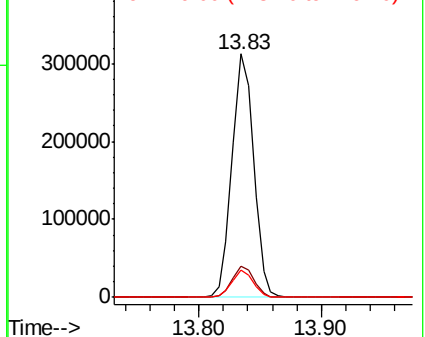
128 100

127 12.8 10.2 15.2

129 10.8 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: 20.41 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

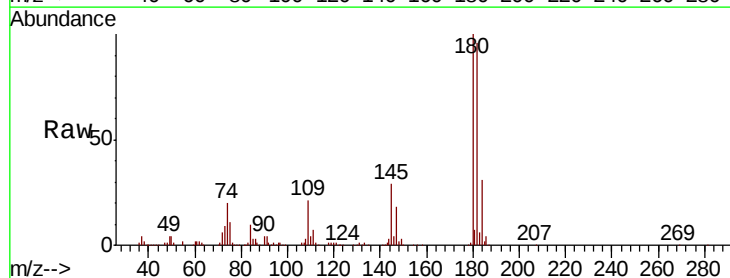
Tgt Ion:180 Resp: 134072

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.6

145 29.4 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

