

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003514.D
 Acq On : 20 Jul 2018 17:25
 Operator : JC/SP
 Sample : J3965-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Quant Time: Jul 20 23:19:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183143	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	5.51	113	162742	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	8.72	98	614137	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	11.14	95	225244	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111637	49.14	ug/l	97
3) Chloromethane	1.32	50	154466	54.99	ug/l	98
4) Vinyl Chloride	1.40	62	176554	48.58	ug/l	100
5) Bromomethane	1.64	94	77914	54.10	ug/l	98
6) Chloroethane	1.72	64	112554	52.34	ug/l	99
7) Trichlorofluoromethane	1.92	101	241297	49.77	ug/l	99
8) Diethyl Ether	2.19	74	106534	51.16	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	144780	45.63	ug/l	98
10) Methyl Iodide	2.51	142	207977	54.56	ug/l	93
11) Tert butyl alcohol	3.08	59	206818	308.65	ug/l	100
12) 1,1-Dichloroethene	2.37	96	145438	49.78	ug/l	89
13) Acrolein	2.29	56	78780	260.21	ug/l	99
14) Allyl chloride	2.73	41	270777	52.35	ug/l	86
15) Acrylonitrile	3.15	53	461845	270.72	ug/l	98
16) Acetone	2.45	43	366951	286.89	ug/l #	87
17) Carbon Disulfide	2.57	76	400006	50.62	ug/l	98
18) Methyl Acetate	2.78	43	220171	54.60	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	506009	53.04	ug/l	99
20) Methylene Chloride	2.86	84	167097	53.49	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	158235	48.67	ug/l	95
22) Diisopropyl ether	3.87	45	505686	51.96	ug/l	98
23) Vinyl Acetate	3.83	43	2069071	258.09	ug/l	95
24) 1,1-Dichloroethane	3.70	63	296120	51.86	ug/l	99
25) 2-Butanone	4.71	43	603689	281.30	ug/l	92
26) 2,2-Dichloropropane	4.59	77	189703	43.74	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	182788	50.50	ug/l	99
28) Bromochloromethane	5.03	49	130159	52.15	ug/l	88
29) Tetrahydrofuran	5.17	42	395182	278.75	ug/l	92
30) Chloroform	5.22	83	291636	52.30	ug/l	97
31) Cyclohexane	5.57	56	250986	49.19	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	250443	52.45	ug/l	97
36) 1,1-Dichloropropene	5.80	75	215671	49.29	ug/l	98
37) Ethyl Acetate	4.87	43	221706	53.54	ug/l	95
38) Carbon Tetrachloride	5.79	117	220920	51.47	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	243587	47.00	ug/l	97
40) Benzene	6.15	78	680071	51.47	ug/l	99
41) Methacrylonitrile	5.07	41	130209	53.50	ug/l	92
42) 1,2-Dichloroethane	6.20	62	223689	53.74	ug/l	95
43) Isopropyl Acetate	6.47	43	358288	54.39	ug/l	94
44) Trichloroethene	7.21	130	191057	48.49	ug/l	98
45) 1,2-Dichloropropane	7.52	63	174561	52.03	ug/l	100
46) Dibromomethane	7.67	93	113794	52.69	ug/l	97
47) Bromodichloromethane	7.90	83	215162	54.42	ug/l	99
48) Methyl methacrylate	7.78	41	189002	56.90	ug/l	86
49) 1,4-Dioxane	7.76	88	87410	1161.38	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1221004	293.42	ug/l	93
52) Toluene	8.79	92	424599	51.06	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	253101	52.01	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	235630	53.84	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	174271	52.66	ug/l	98
56) Ethyl methacrylate	9.18	69	260115	55.81	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	285313	53.34	ug/l	100
59) 2-Hexanone	9.50	43	928496	301.15	ug/l	90
60) Dibromochloromethane	9.59	129	177517	54.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	180311	52.56	ug/l	99
64) Tetrachloroethene	9.34	164	220624	47.25	ug/l	97
65) Chlorobenzene	10.14	112	483305	48.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	173202	50.99	ug/l	99
67) Ethyl Benzene	10.26	91	815997	51.40	ug/l	99
68) m/p-Xylenes	10.36	106	637854	102.49	ug/l	96
69) o-Xylene	10.70	106	310357	51.57	ug/l	97
70) Styrene	10.71	104	525987	53.13	ug/l	97
71) Bromoform	10.86	173	139066	52.69	ug/l	100
73) Isopropylbenzene	11.02	105	825871	51.48	ug/l	100
74) N-amyl acetate	6.47	43	358288	52.59	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	249587	53.09	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	295490	70.90	ug/l	80
77) Bromobenzene	11.26	156	225139	48.79	ug/l	99
78) n-propylbenzene	11.37	91	925906	51.92	ug/l	99
79) 2-Chlorotoluene	11.43	91	554779	51.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	687380	52.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	70462	48.11	ug/l	91
82) 4-Chlorotoluene	11.51	91	649355	51.19	ug/l	98
83) tert-Butylbenzene	11.77	119	661196	51.21	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	708591	52.82	ug/l	98
85) sec-Butylbenzene	11.95	105	804535	51.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	723209	51.38	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	410173	48.36	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	412157	47.17	ug/l	99
89) n-Butylbenzene	12.39	91	616402	51.57	ug/l	99
90) Hexachloroethane	12.60	117	103603	51.78	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	421250	50.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	51852	56.67	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	294067	48.00	ug/l	100

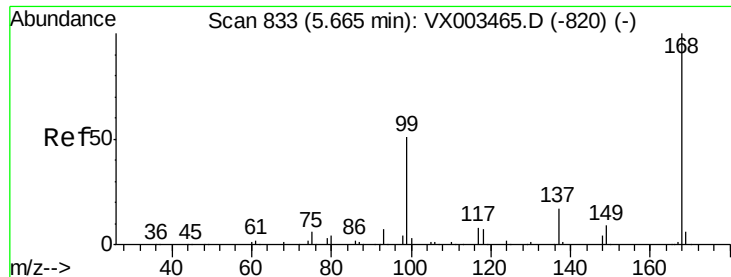
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	135002	45.82	ug/l	99
95) Naphthalene	13.83	128	862984	53.60	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	296724	48.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

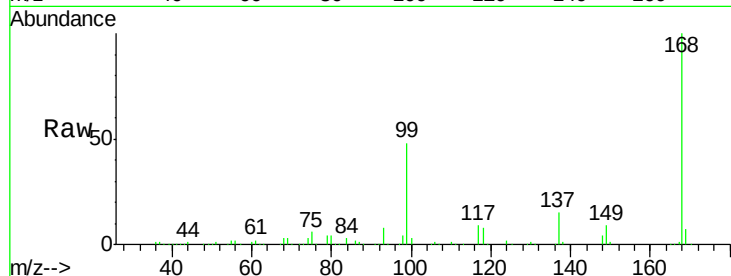
LF1-0034MSD

Tot Ion:168 Resp: 286068

Ion Ratio Lower Upper

168 100

99 47.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

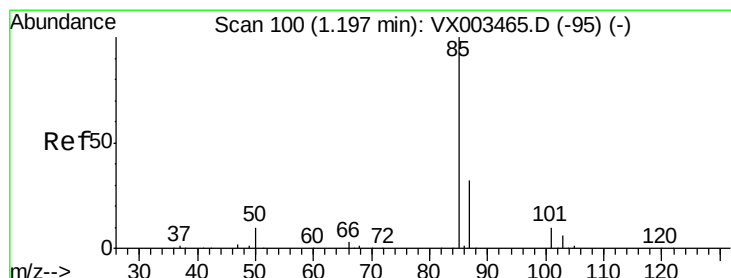
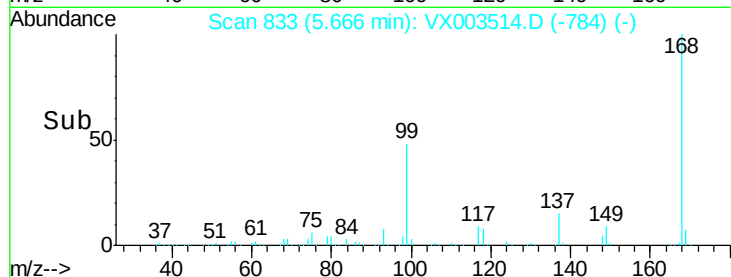
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003514.D

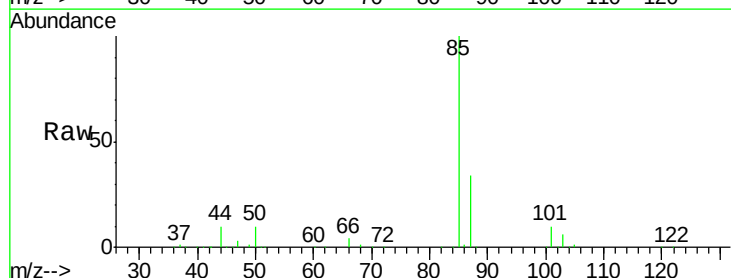
Acq: 20 Jul 2018 17:25

Tgt Ion: 85 Resp: 111637

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

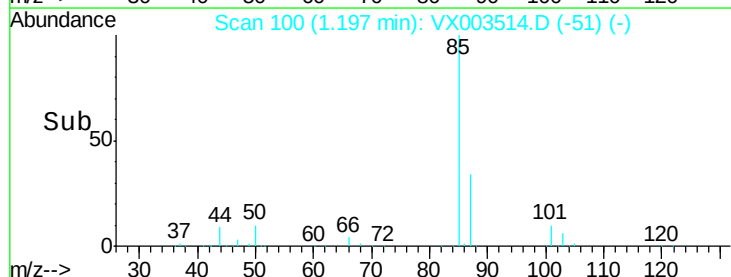
1.20

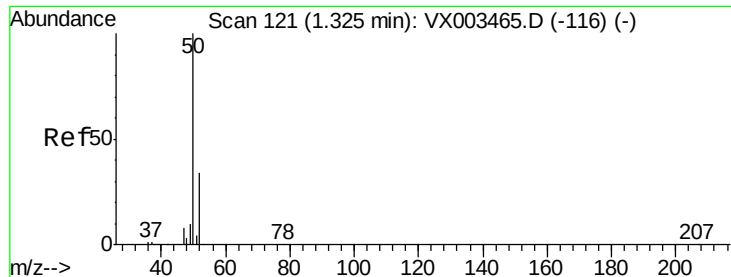
100000

50000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 54.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

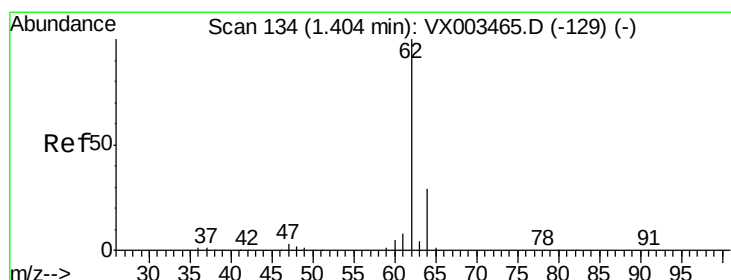
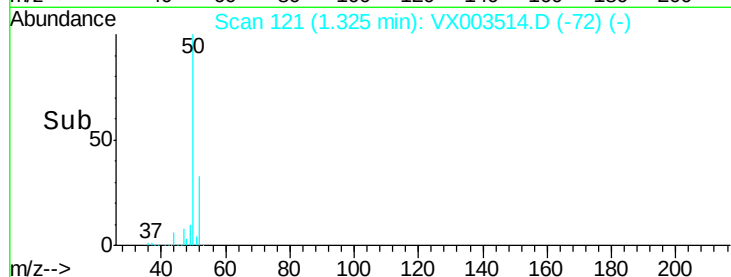
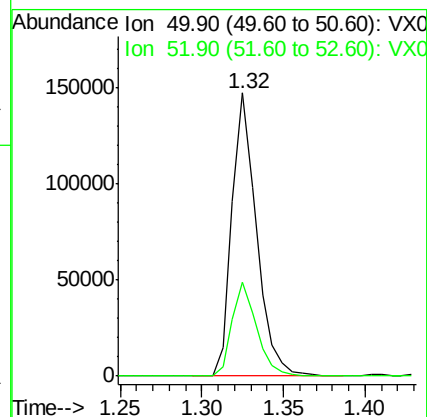
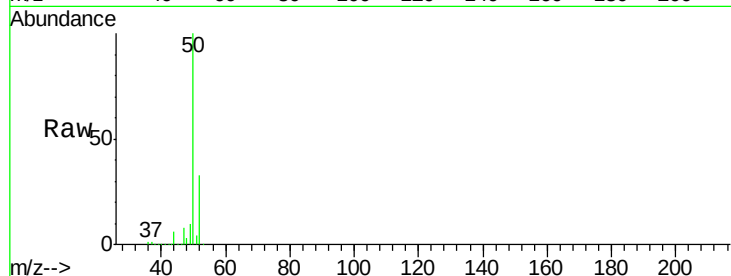
LF1-0034MSD

Tot Ion: 50 Resp: 154466

Ion Ratio Lower Upper

50 100

52 33.2 25.7 38.5



#4

Vinyl Chloride

Concen: 48.58 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003514.D

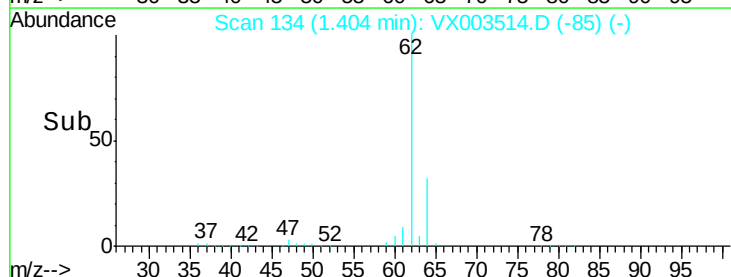
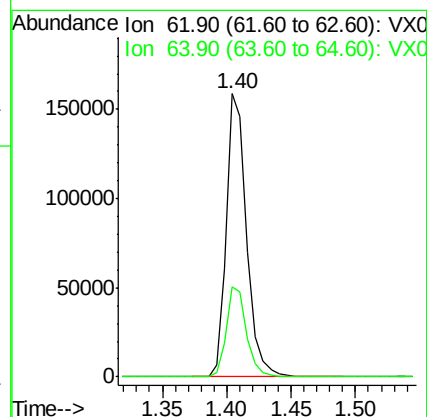
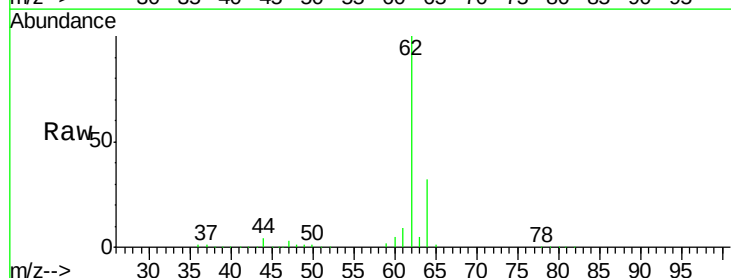
Acq: 20 Jul 2018 17:25

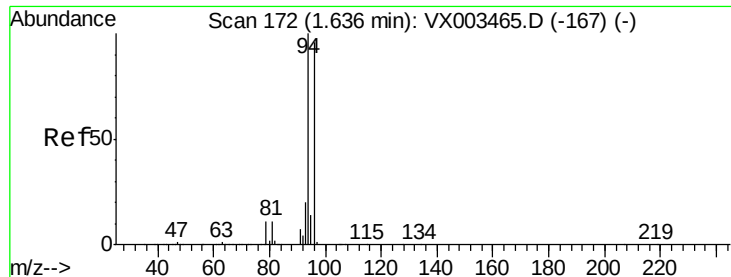
Tgt Ion: 62 Resp: 176554

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 54.10 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

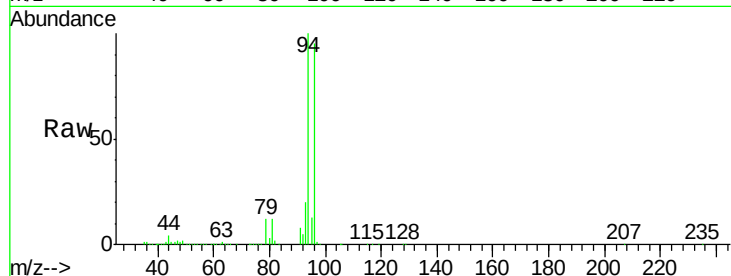
LF1-0034MSD

Tot Ion: 94 Resp: 77914

Ion Ratio Lower Upper

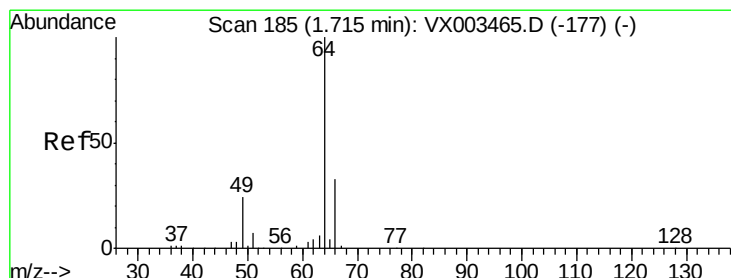
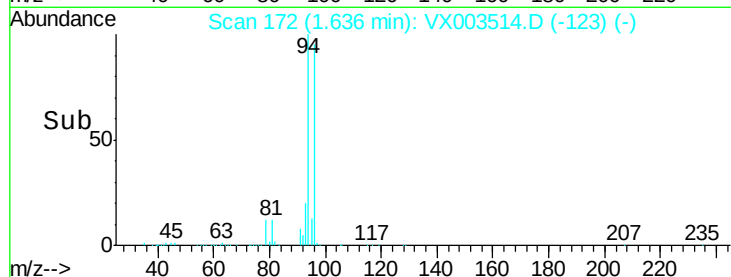
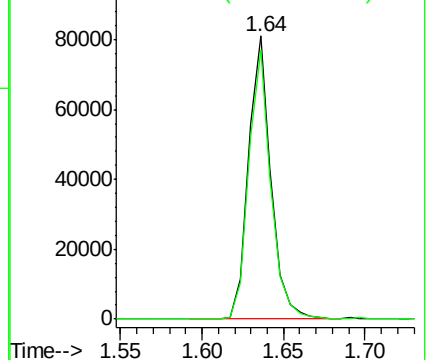
94 100

96 95.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.34 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003514.D

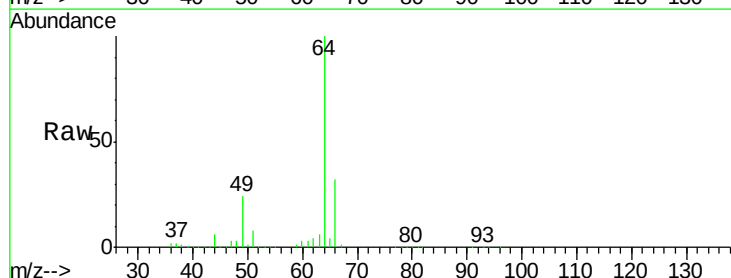
Acq: 20 Jul 2018 17:25

Tgt Ion: 64 Resp: 112554

Ion Ratio Lower Upper

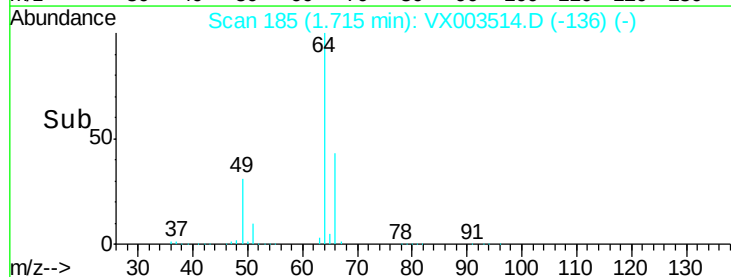
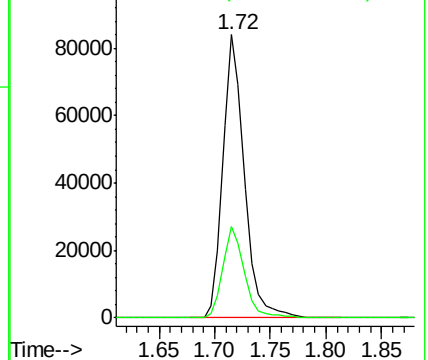
64 100

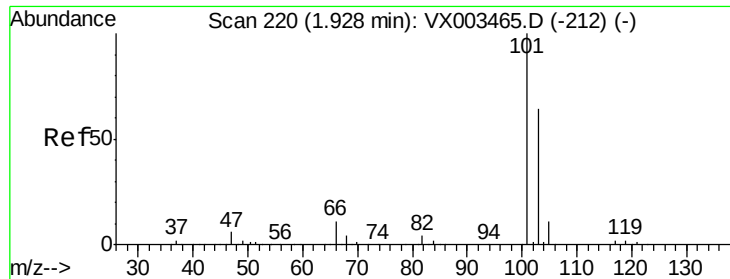
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



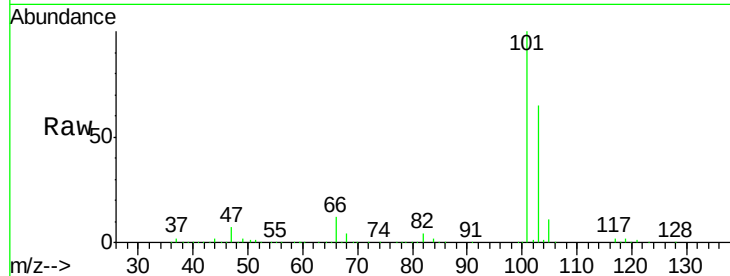


#7

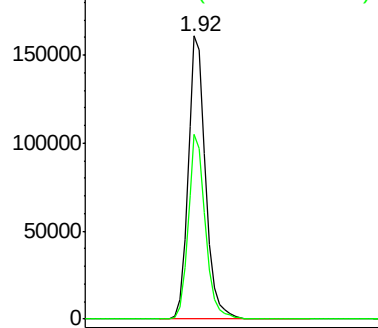
Trichlorofluoromethane
 Concen: 49.77 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

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 LF1-0034MSD

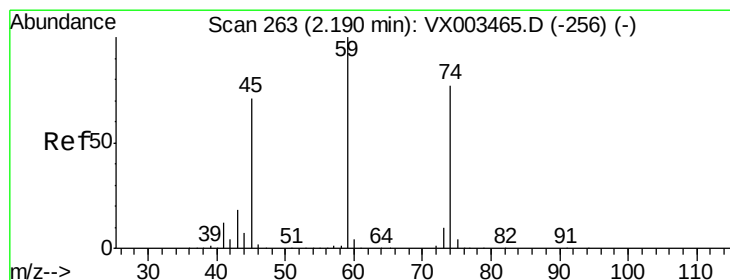
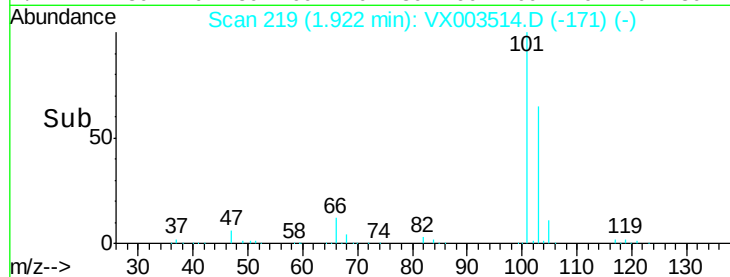
Tot Ion:101 Resp: 241297
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



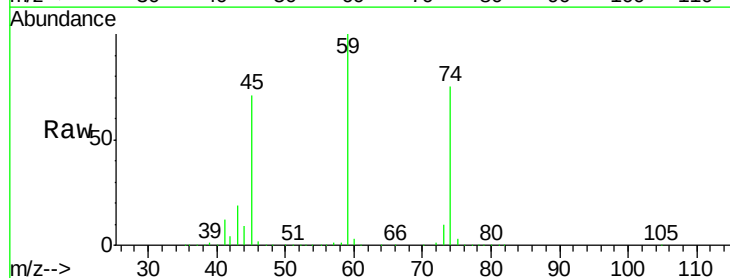
Time--> 1.80 1.90 2.00 2.10



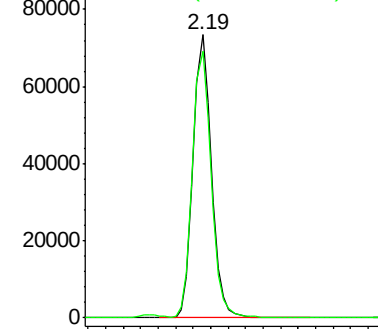
#8

Diethyl Ether
 Concen: 51.16 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

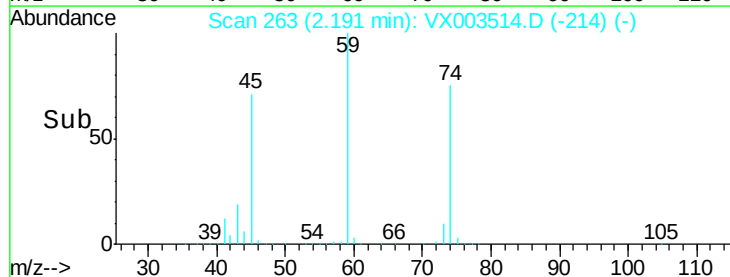
Tgt Ion: 74 Resp: 106534
 Ion Ratio Lower Upper
 74 100
 45 95.6 53.1 159.4

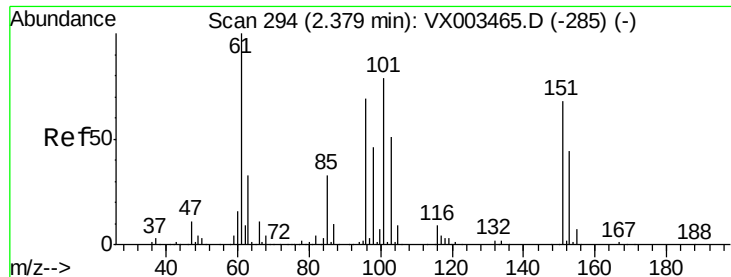


Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0



Time--> 2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.63 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

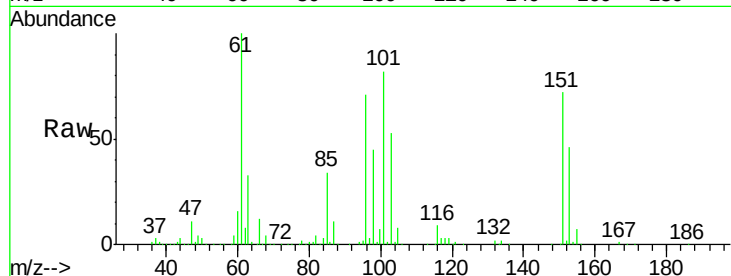
Tot Ion:101 Resp: 144780

Ion Ratio Lower Upper

101 100

85 41.8 36.0 54.0

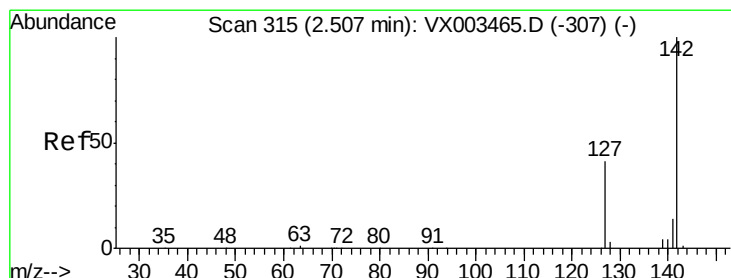
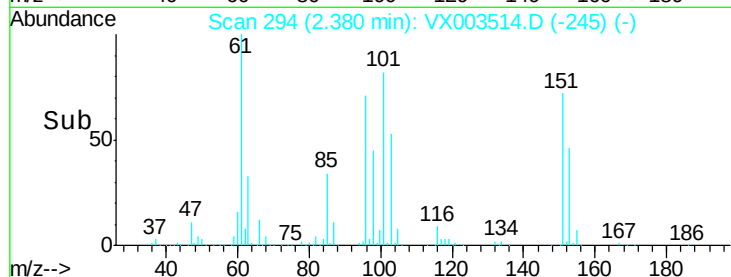
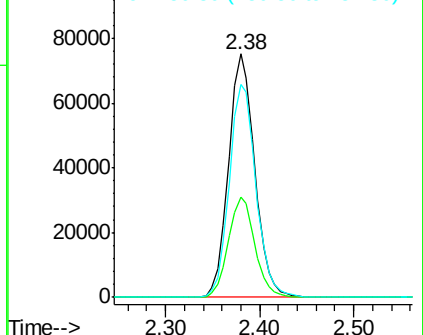
151 89.4 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.56 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

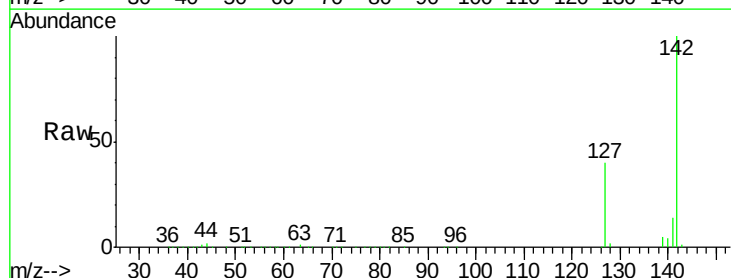
Tgt Ion:142 Resp: 207977

Ion Ratio Lower Upper

142 100

127 39.9 36.6 55.0

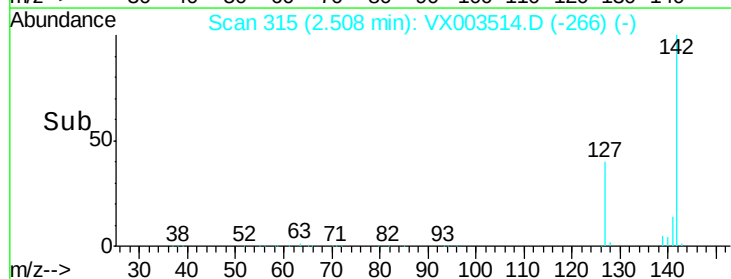
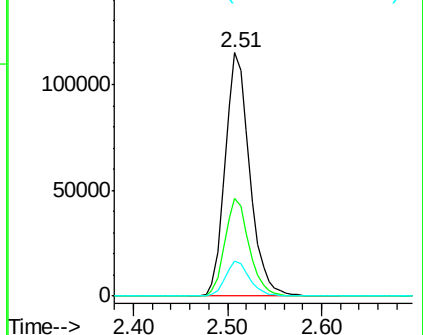
141 14.2 11.3 16.9

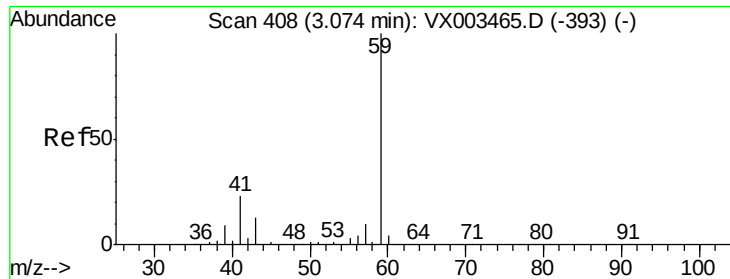


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

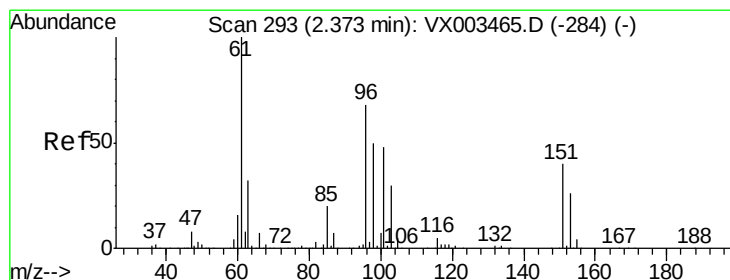
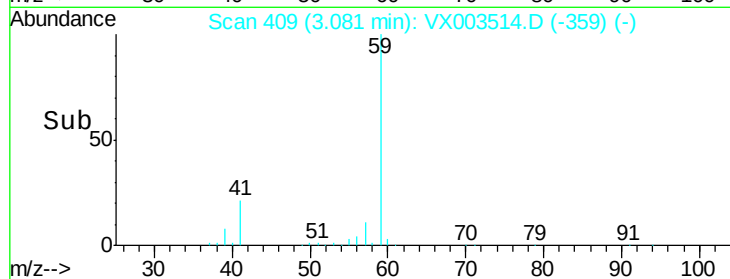
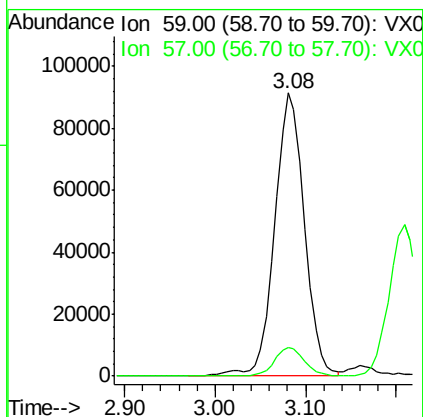
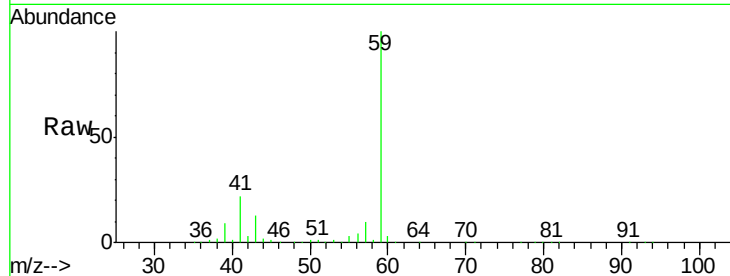




#11
Tert butyl alcohol
Concen: 308.65 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

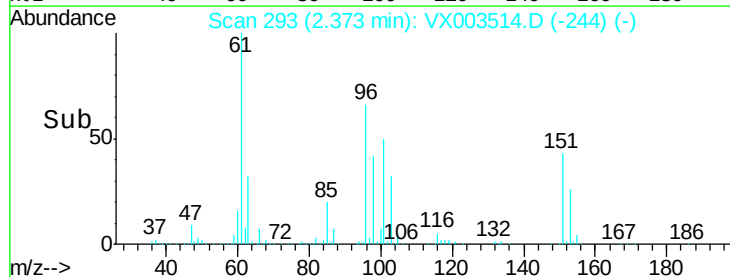
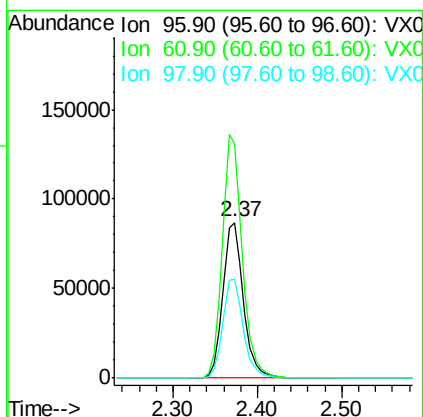
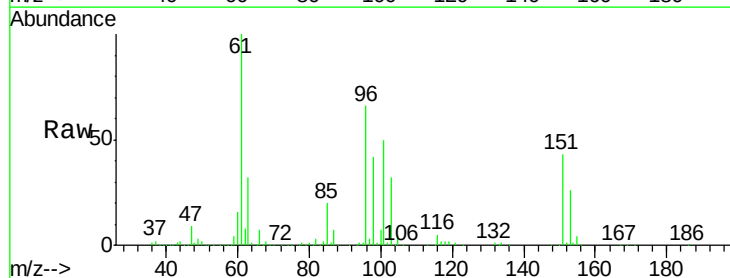
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

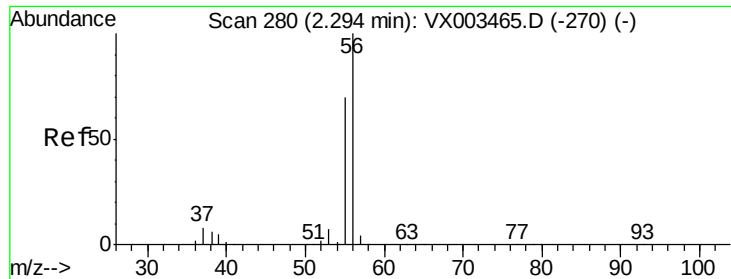
Tot Ion: 59 Resp: 206818
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 49.78 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 96 Resp: 145438
Ion Ratio Lower Upper
96 100
61 151.2 137.9 206.9
98 63.9 51.6 77.4

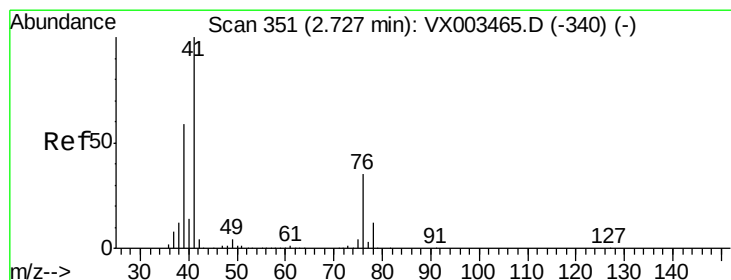
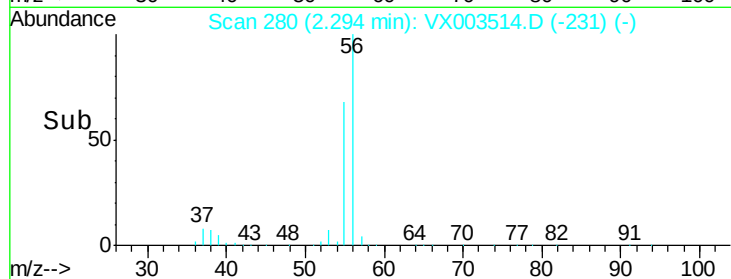
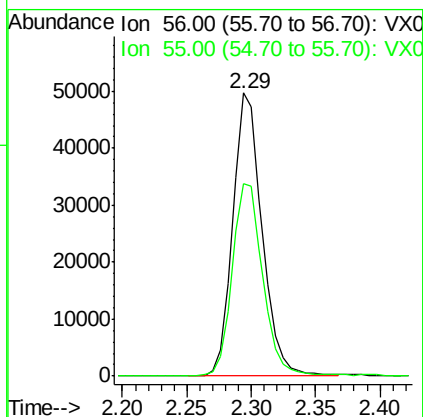
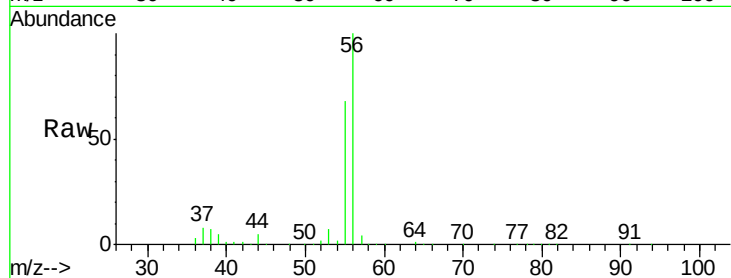




#13
 Acrolein
 Concen: 260.21 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

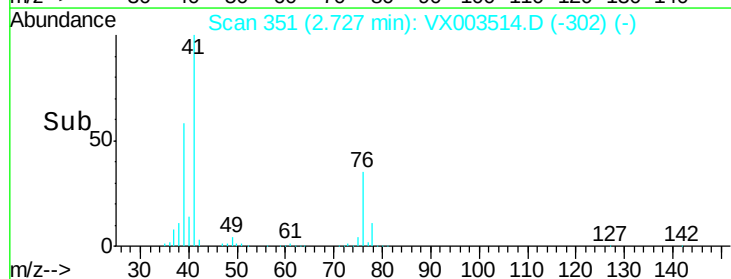
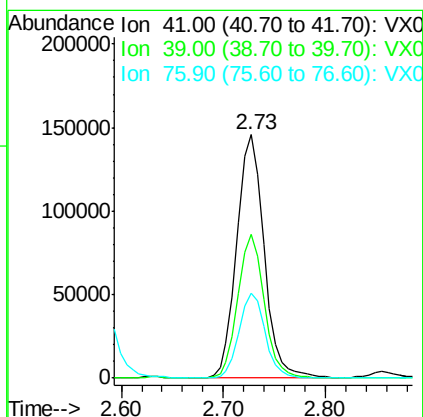
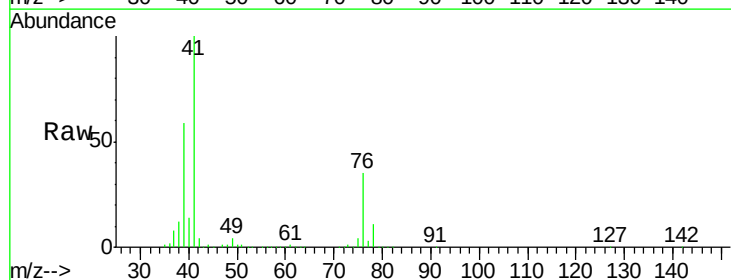
Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MSD

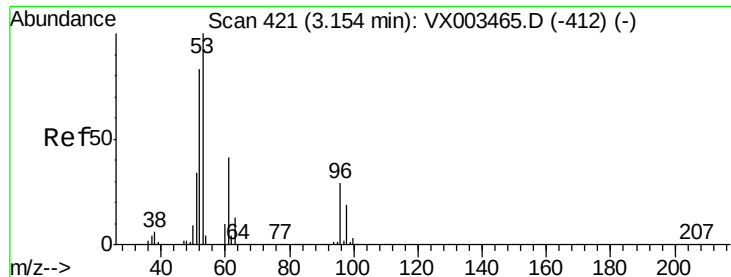
Tot Ion: 56 Resp: 78780
 Ion Ratio Lower Upper
 56 100
 55 70.3 57.0 85.4



#14
 Allyl chloride
 Concen: 52.35 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion: 41 Resp: 270777
 Ion Ratio Lower Upper
 41 100
 39 56.9 56.8 85.2
 76 33.3 23.8 35.8





#15

Acrylonitrile

Concen: 270.72 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

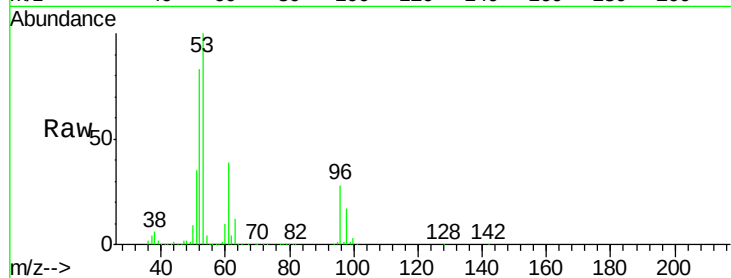
Tot Ion: 53 Resp: 461845

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

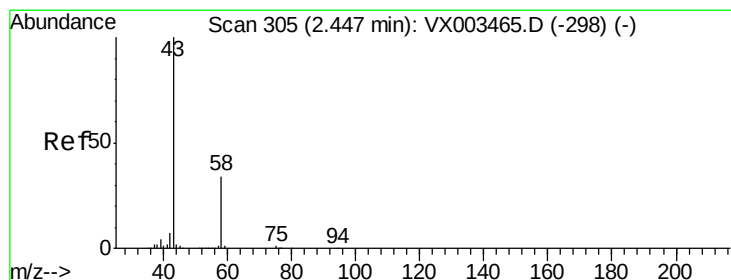
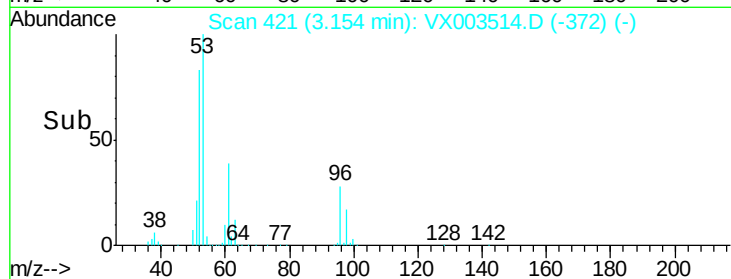
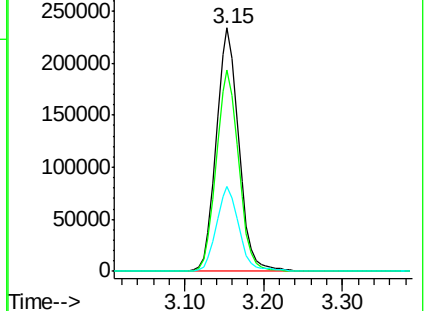
51 35.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 286.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003514.D

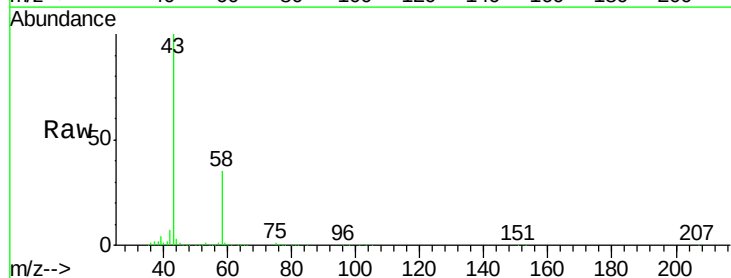
Acq: 20 Jul 2018 17:25

Tgt Ion: 43 Resp: 366951

Ion Ratio Lower Upper

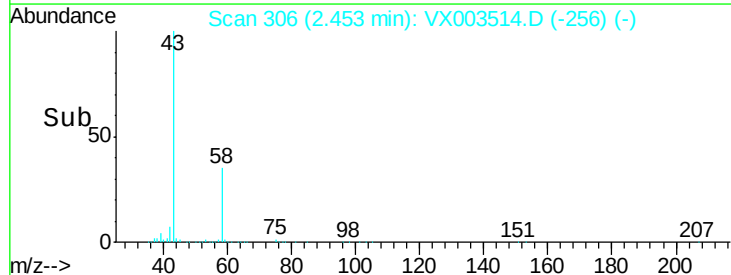
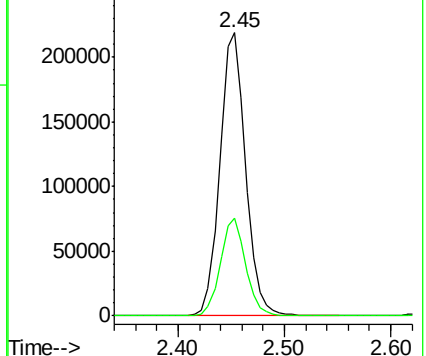
43 100

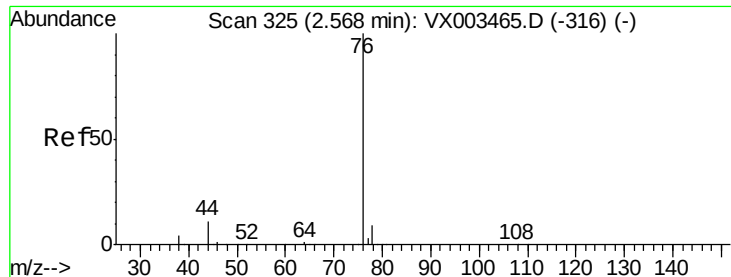
58 34.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

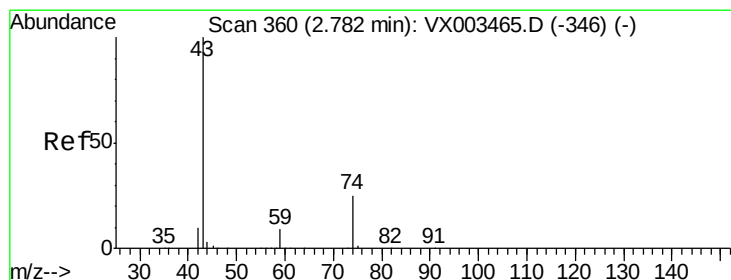
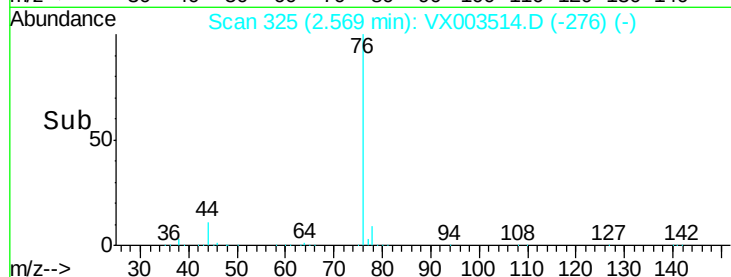
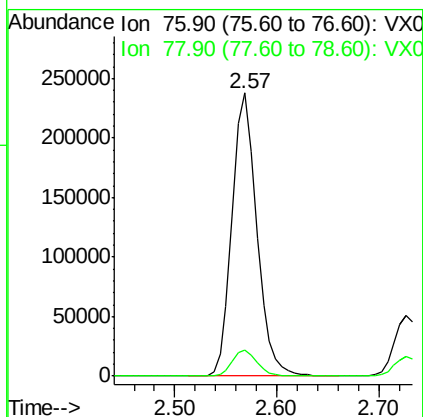
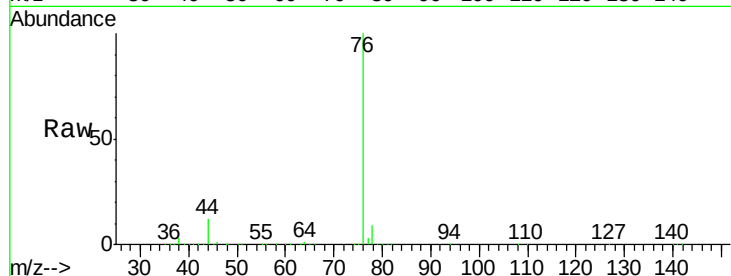




#17
Carbon Disulfide
Concen: 50.62 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

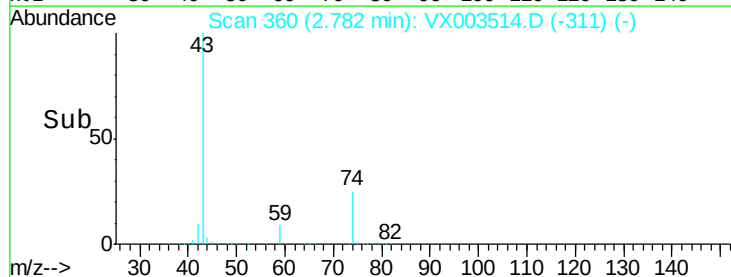
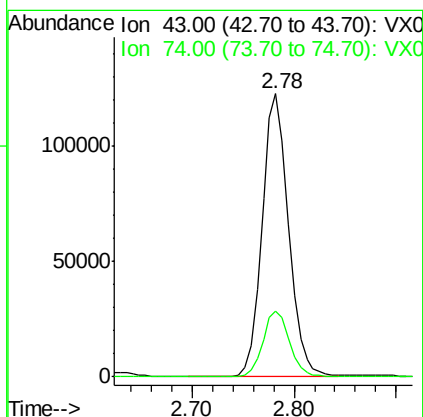
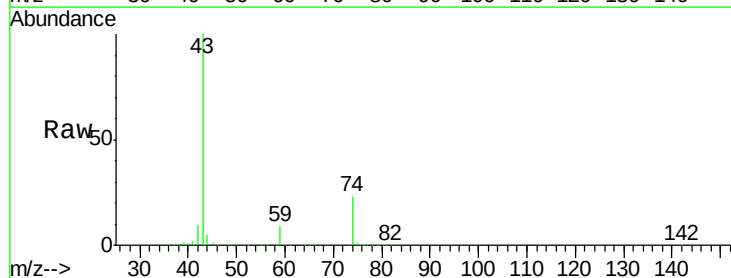
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

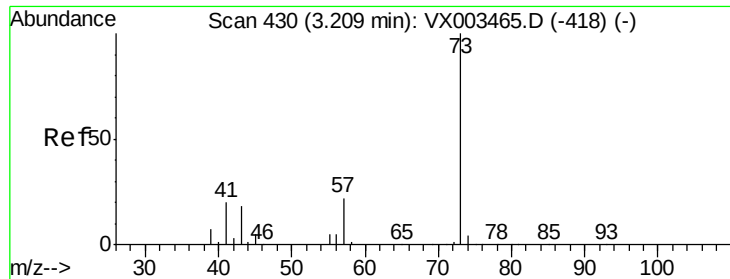
Tot Ion: 76 Resp: 400006
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 54.60 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 43 Resp: 220171
Ion Ratio Lower Upper
43 100
74 23.1 16.7 25.1

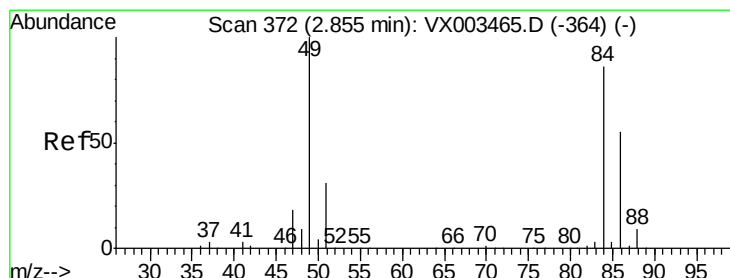
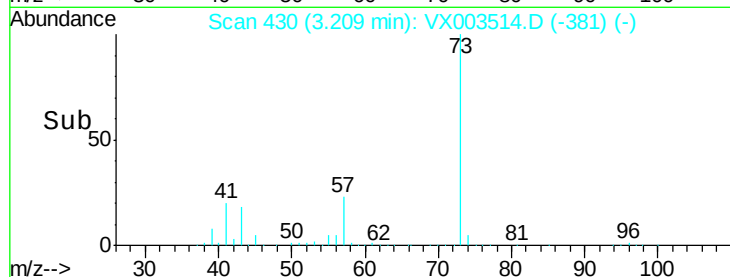
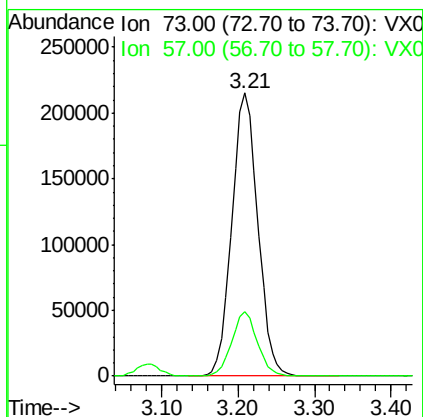
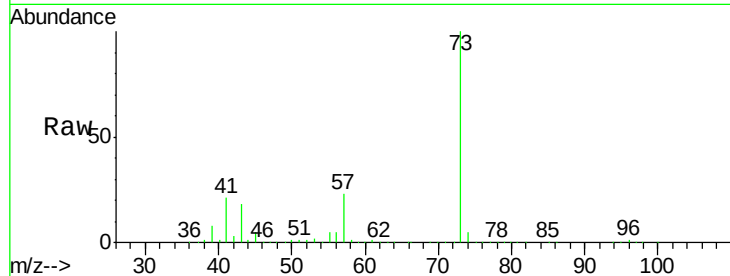




#19
Methyl tert-butyl Ether
Concen: 53.04 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

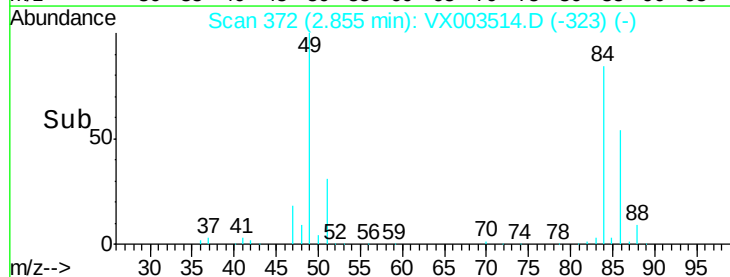
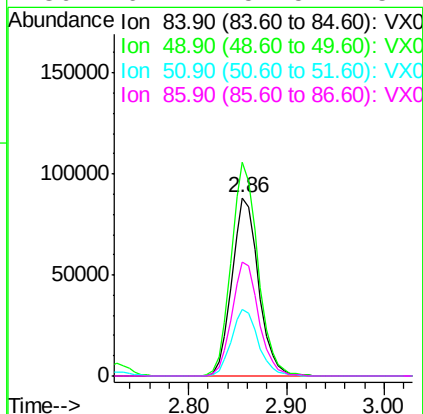
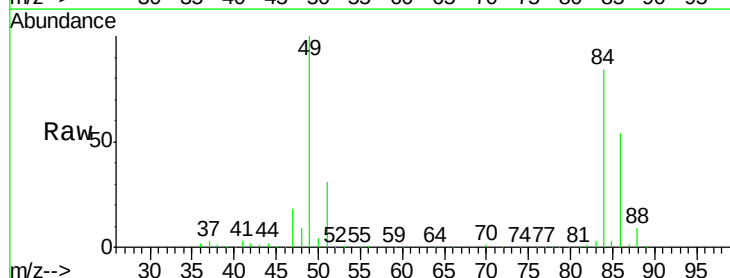
Instrument :
MSVOA_X
ClientSampleID :
LF1-0034MSD

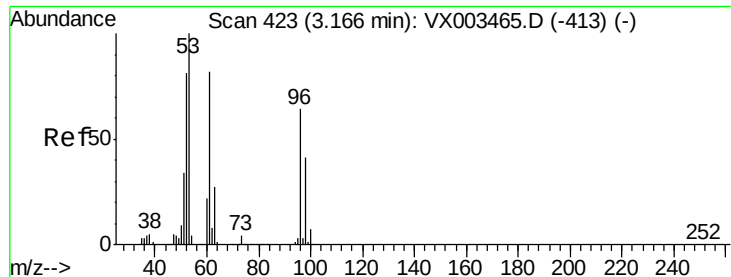
Tot Ion: 73 Resp: 506009
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5



#20
Methylene Chloride
Concen: 53.49 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 84 Resp: 167097
Ion Ratio Lower Upper
84 100
49 119.7 107.8 161.6
51 37.2 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.67 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

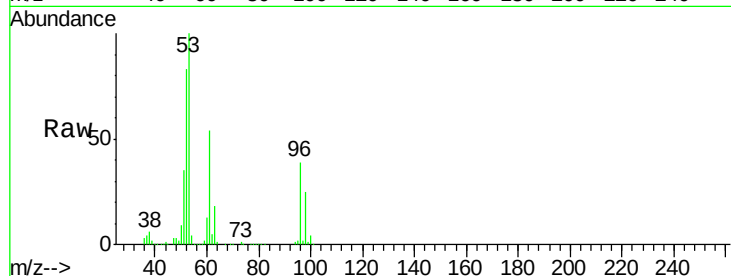
Tot Ion: 96 Resp: 158235

Ion Ratio Lower Upper

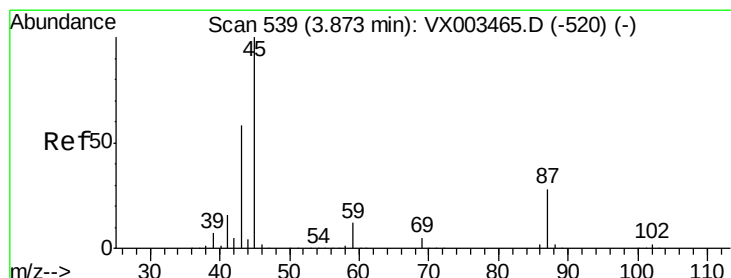
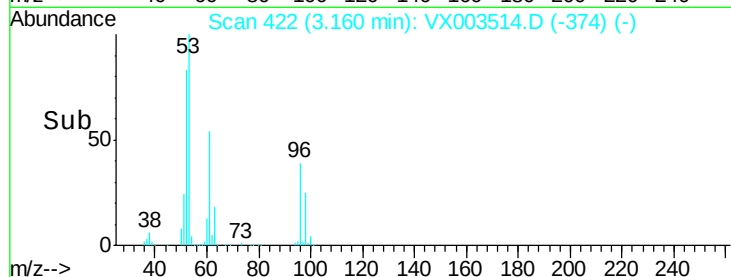
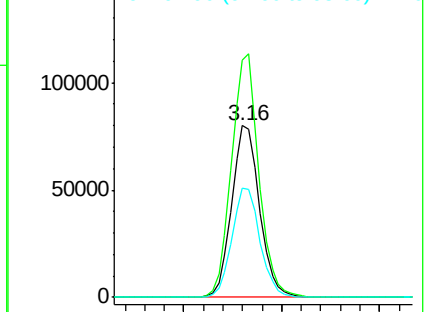
96 100

61 138.2 117.0 175.4

98 63.3 52.4 78.6



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



#22

Diisopropyl ether

Concen: 51.96 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Tgt Ion: 45 Resp: 505686

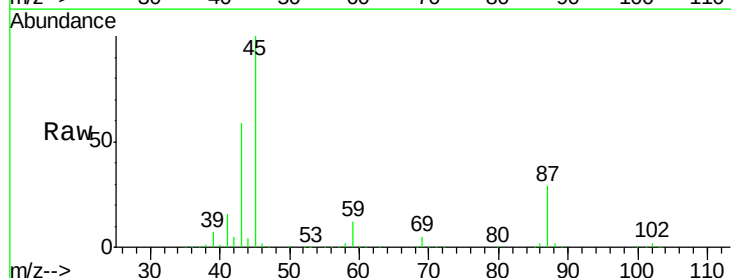
Ion Ratio Lower Upper

45 100

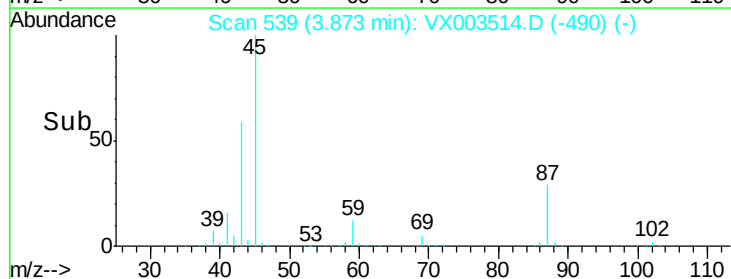
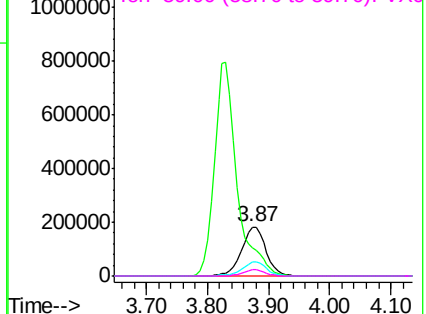
43 58.5 46.8 70.2

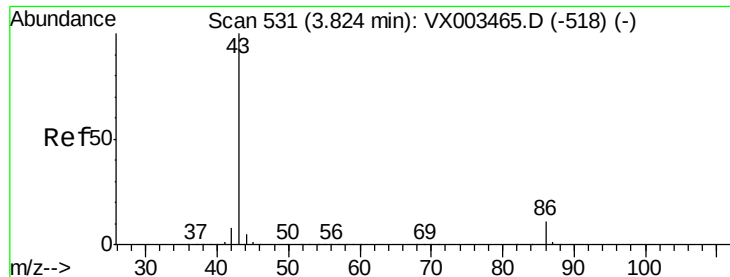
87 28.6 20.2 30.4

59 12.0 8.7 13.1



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





#23

Vinyl Acetate

Concen: 258.09 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

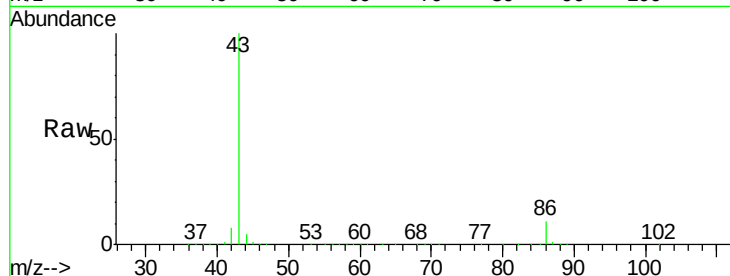
LF1-0034MSD

Tot Ion: 43 Resp: 2069071

Ion Ratio Lower Upper

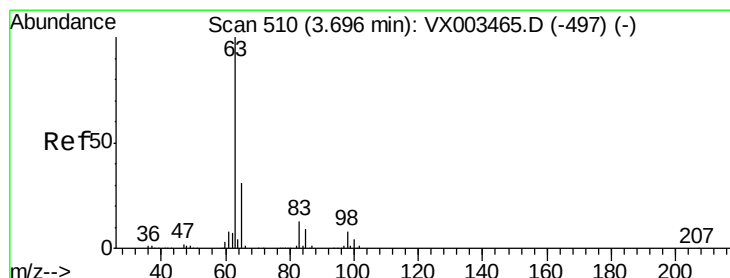
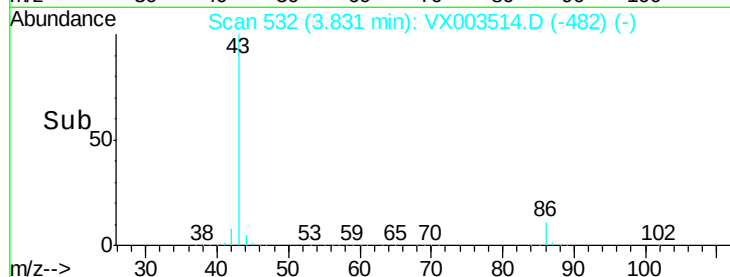
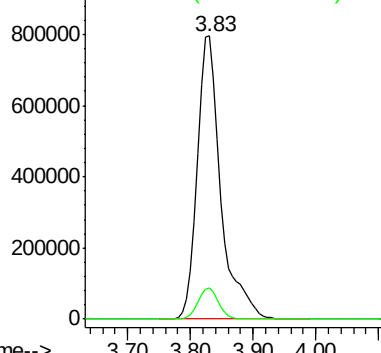
43 100

86 10.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

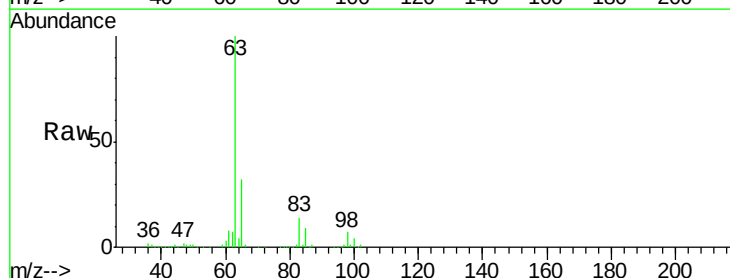
Tgt Ion: 63 Resp: 296120

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

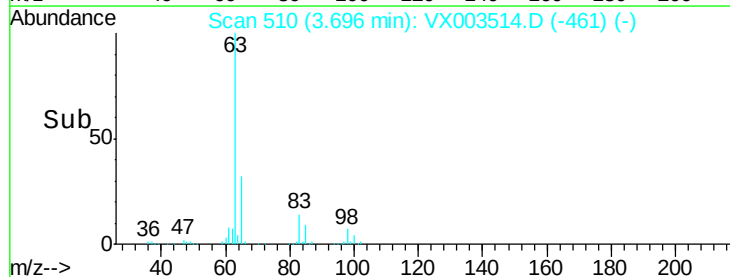
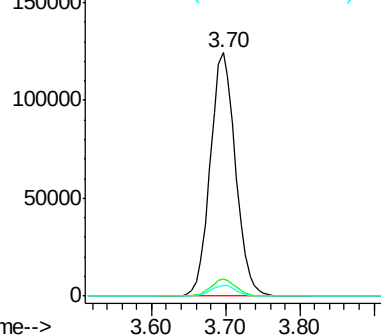
100 4.4 2.0 6.0

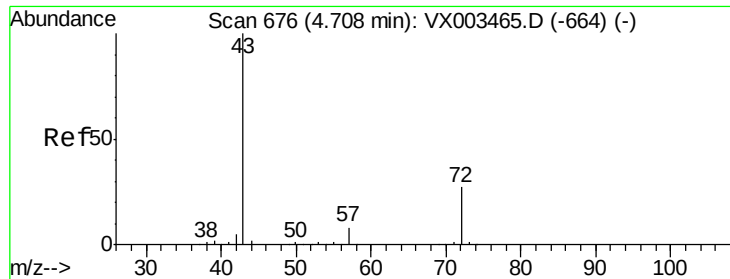


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 281.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

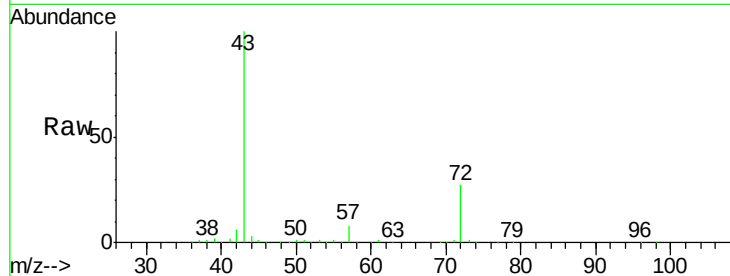
LF1-0034MSD

Tot Ion: 43 Resp: 603689

Ion Ratio Lower Upper

43 100

72 27.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

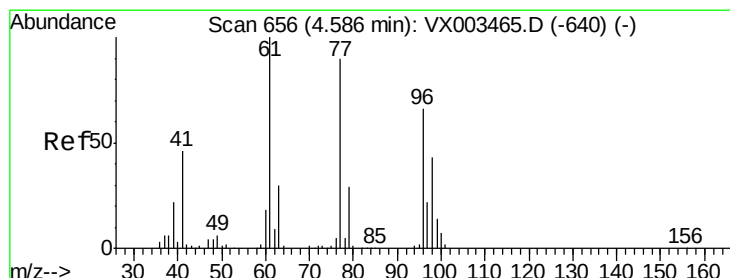
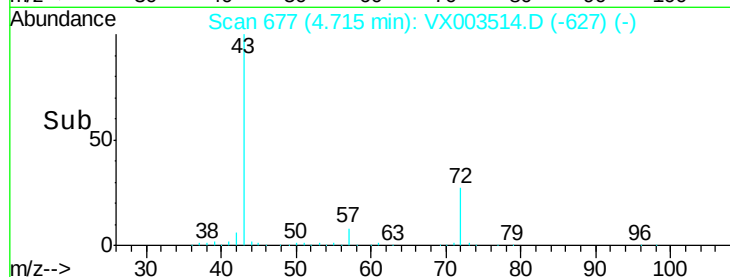
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.74 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003514.D

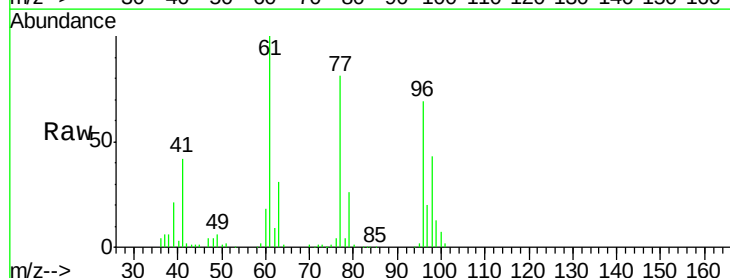
Acq: 20 Jul 2018 17:25

Tgt Ion: 77 Resp: 189703

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

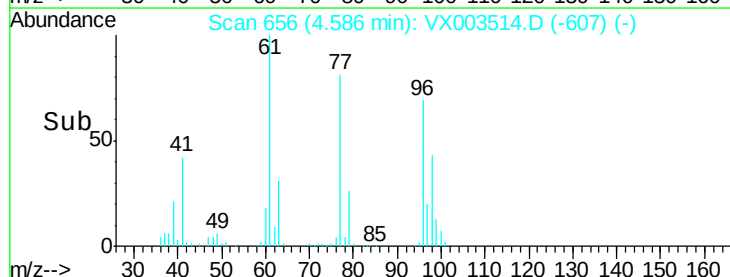
40000

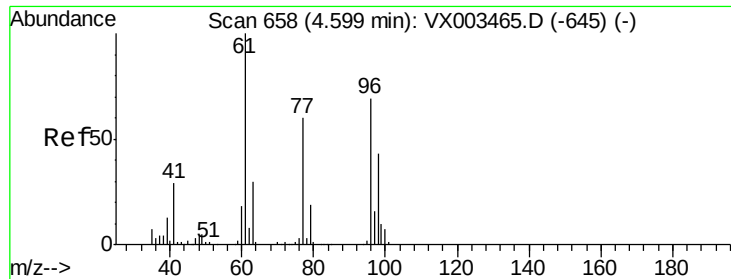
20000

0

4.40 4.50 4.60 4.70

Time-->



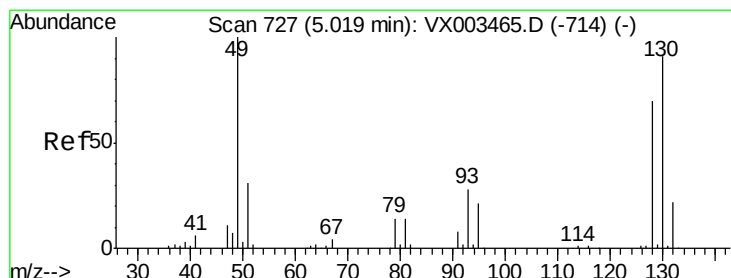
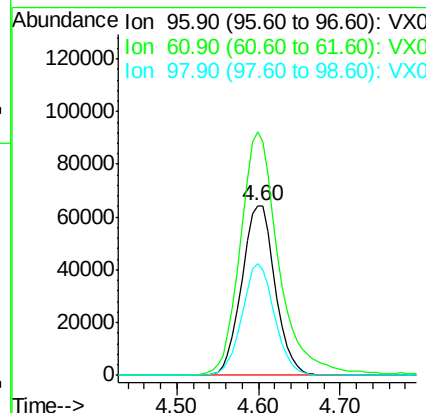
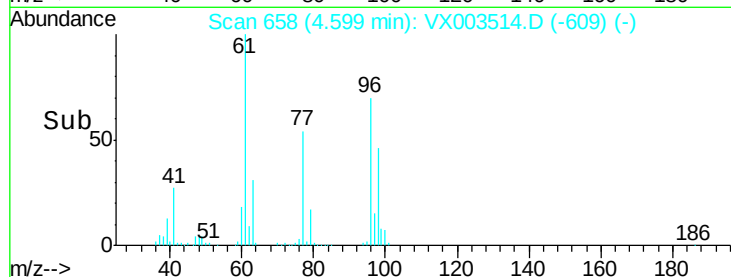
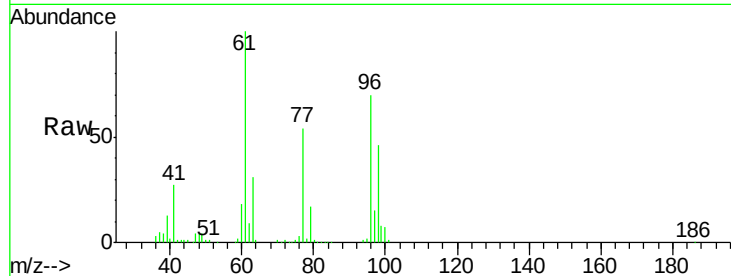


#27

cis-1,2-Dichloroethene
Concen: 50.50 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

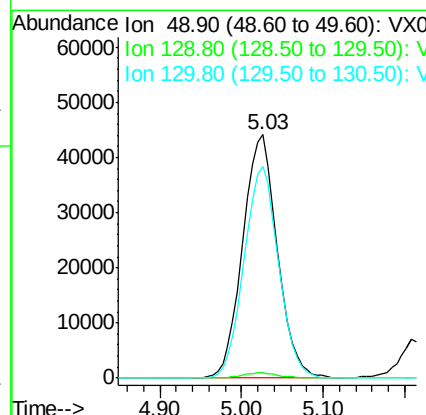
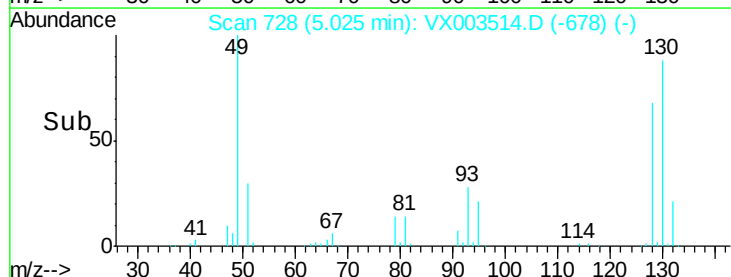
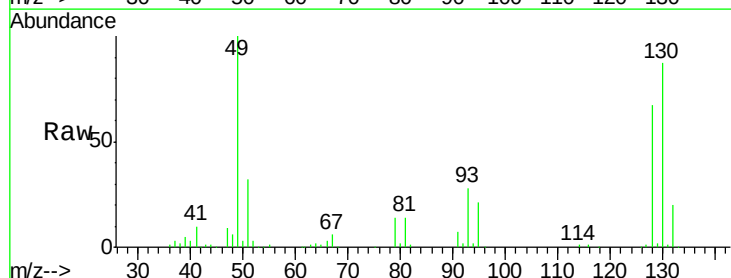
Tot Ion: 96 Resp: 182788
Ion Ratio Lower Upper
96 100
61 165.6 0.0 330.2
98 64.1 0.0 130.2

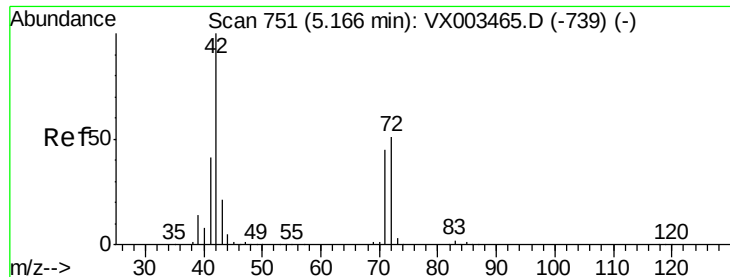


#28

Bromochloromethane
Concen: 52.15 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 49 Resp: 130159
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 86.8 61.2 91.8





#29

Tetrahydrofuran

Concen: 278.75 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

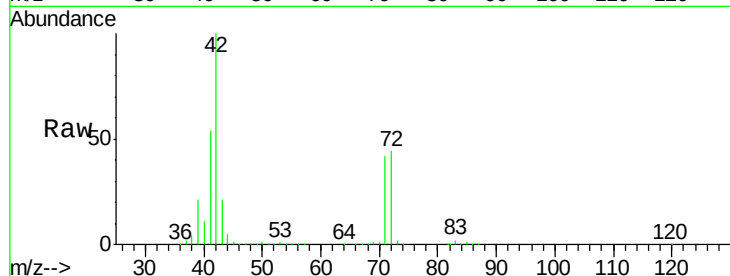
Tot Ion: 42 Resp: 395182

Ion Ratio Lower Upper

42 100

72 45.1 32.0 48.0

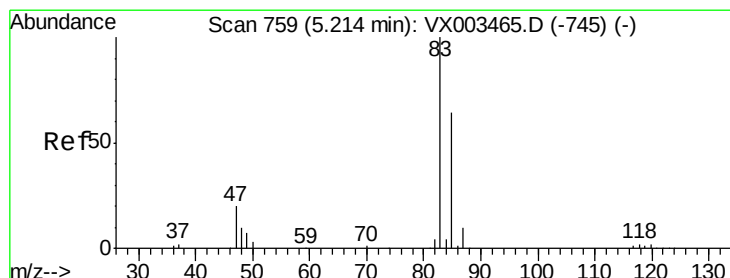
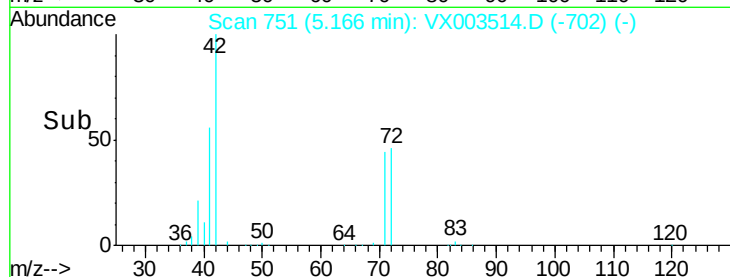
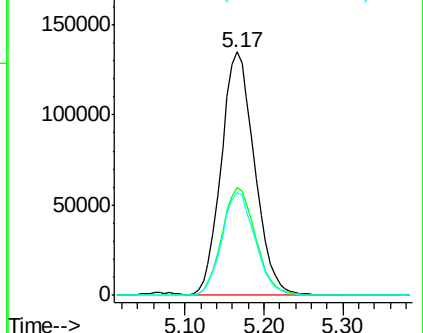
71 42.4 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 52.30 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003514.D

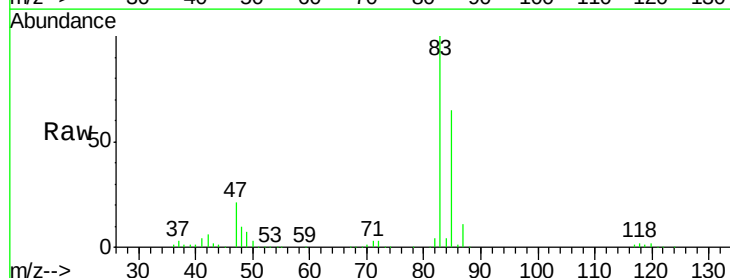
Acq: 20 Jul 2018 17:25

Tgt Ion: 83 Resp: 291636

Ion Ratio Lower Upper

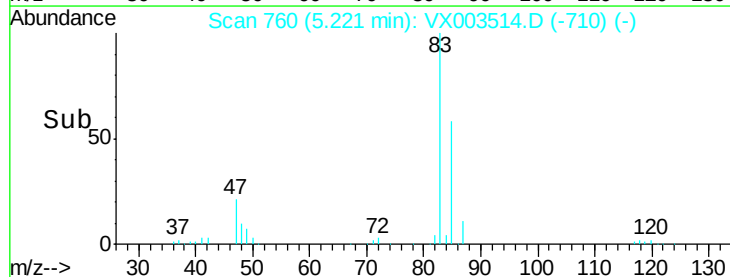
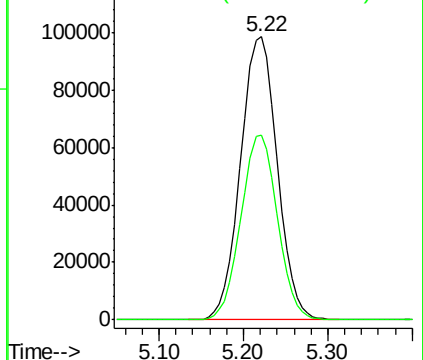
83 100

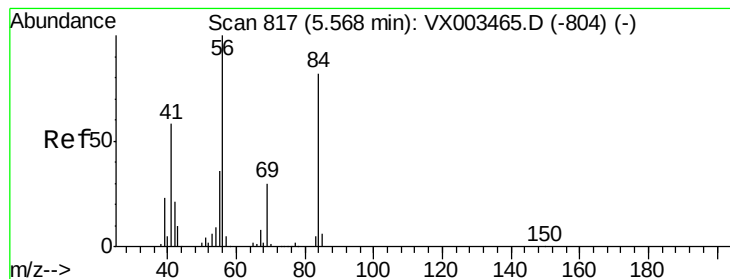
85 65.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.19 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

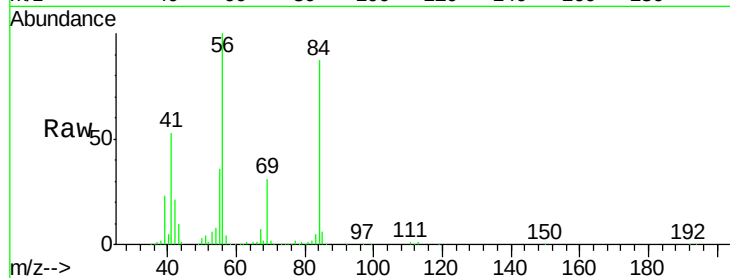
Tot Ion: 56 Resp: 250986

Ion Ratio Lower Upper

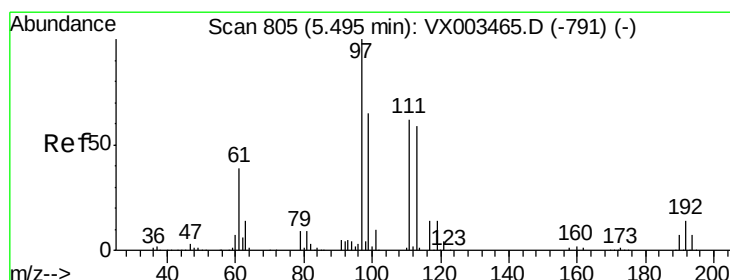
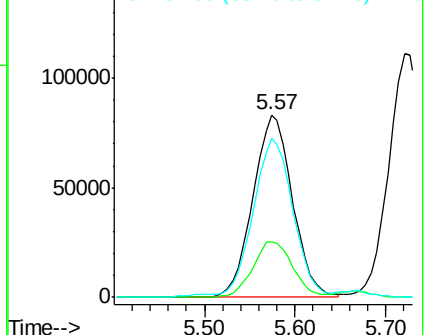
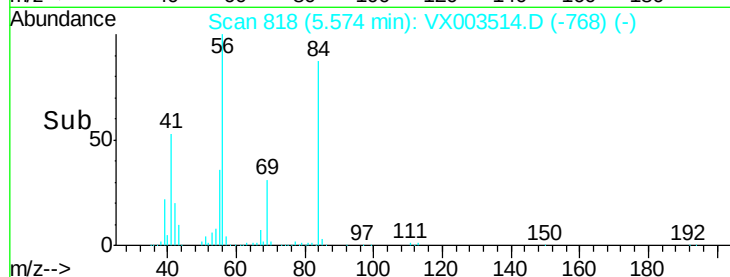
56 100

69 30.7 23.7 35.5

84 85.6 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 52.45 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

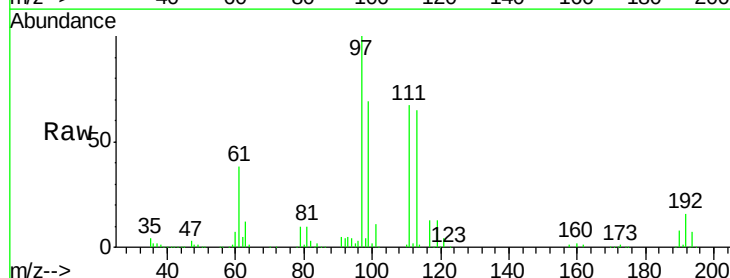
Tgt Ion: 97 Resp: 250443

Ion Ratio Lower Upper

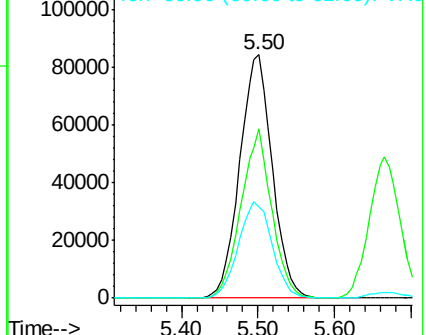
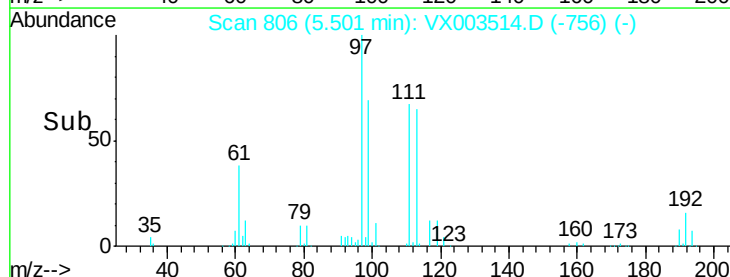
97 100

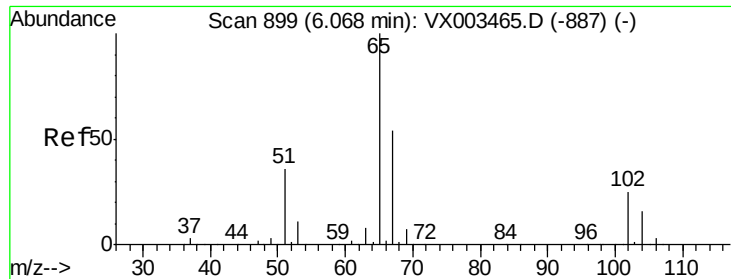
99 65.2 51.6 77.4

61 41.2 36.4 54.6



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





#33

1,2-Dichloroethane-d4

Concen: 54.08 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

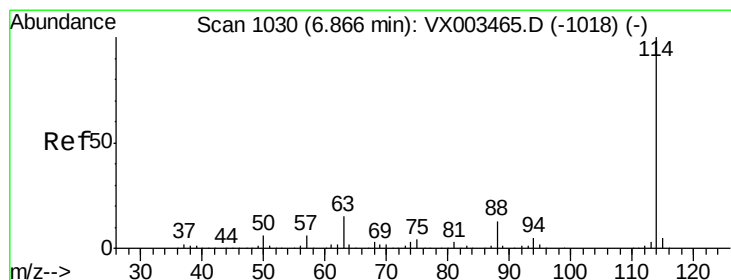
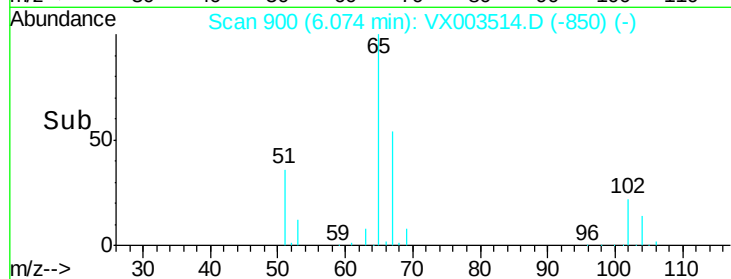
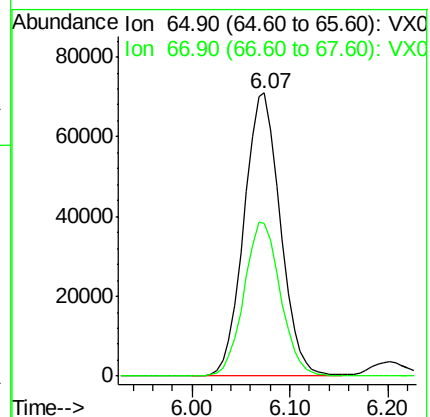
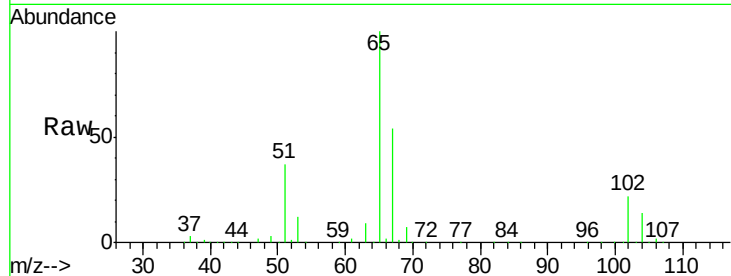
LF1-0034MSD

Tot Ion: 65 Resp: 183143

Ion Ratio Lower Upper

65 100

67 54.4 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

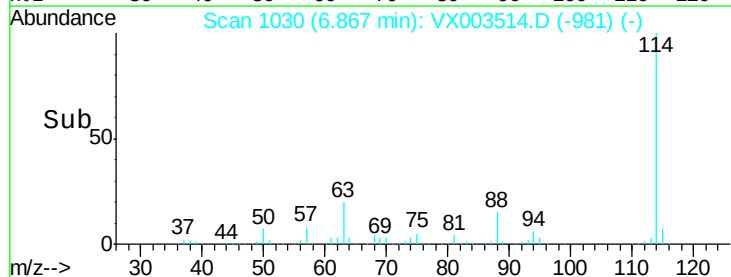
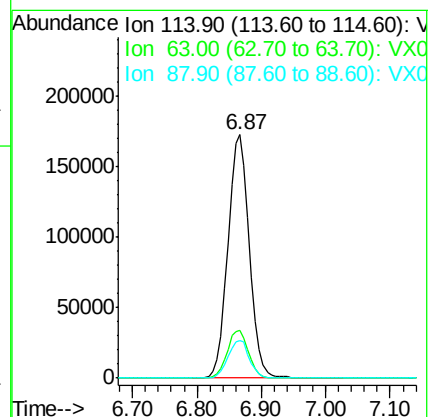
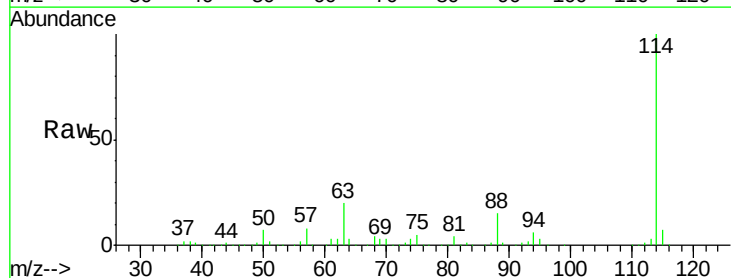
Tgt Ion: 114 Resp: 405299

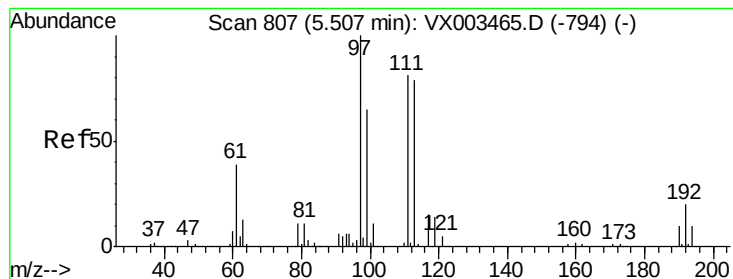
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.72 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

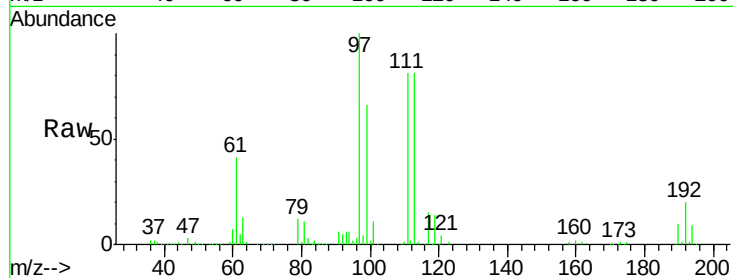
Tot Ion:113 Resp: 162742

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

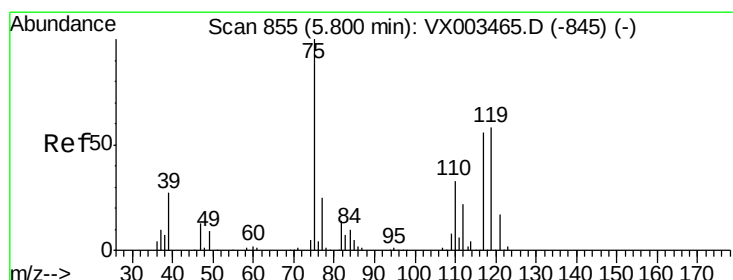
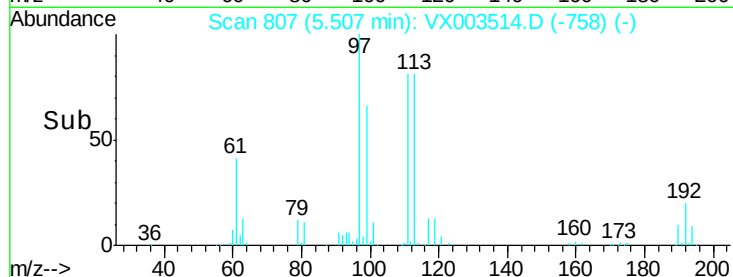
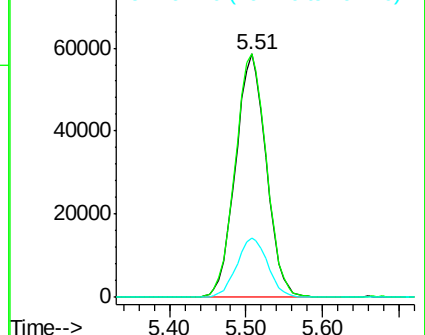
192 24.7 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.29 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

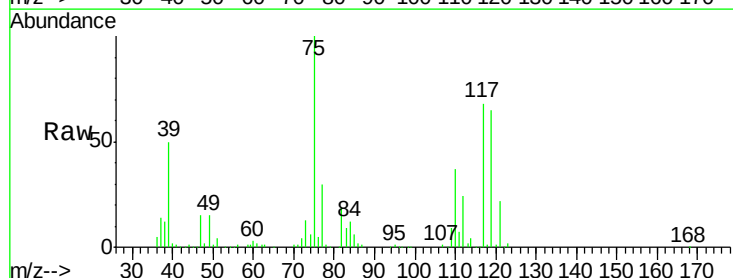
Tgt Ion: 75 Resp: 215671

Ion Ratio Lower Upper

75 100

110 38.2 18.1 54.4

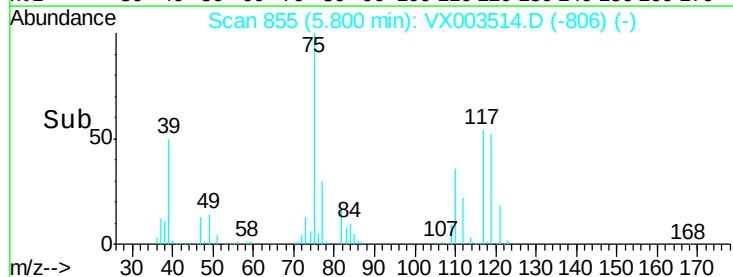
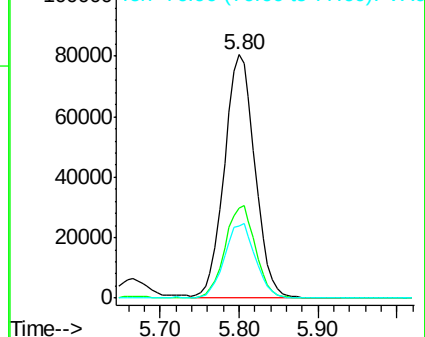
77 31.2 24.3 36.5

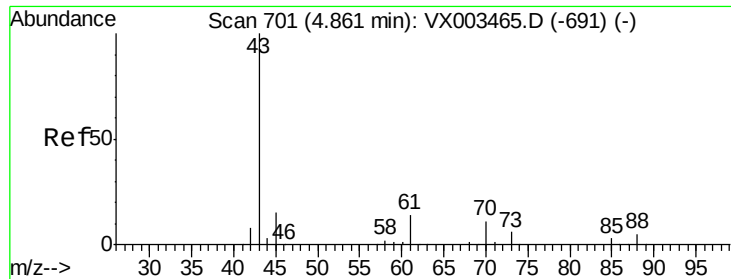


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

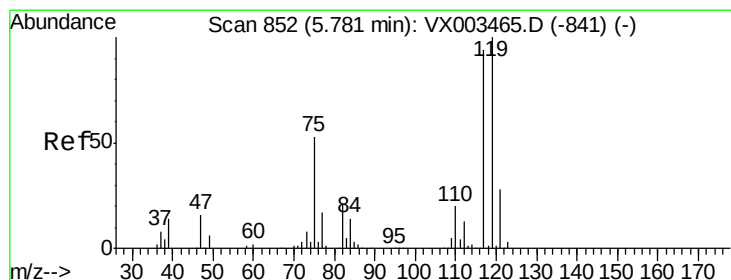
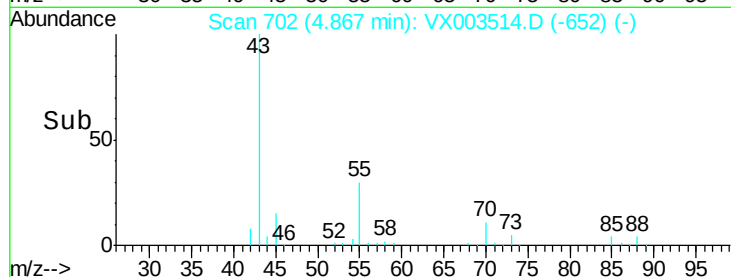
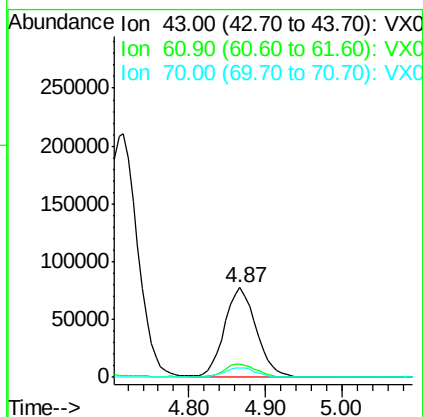
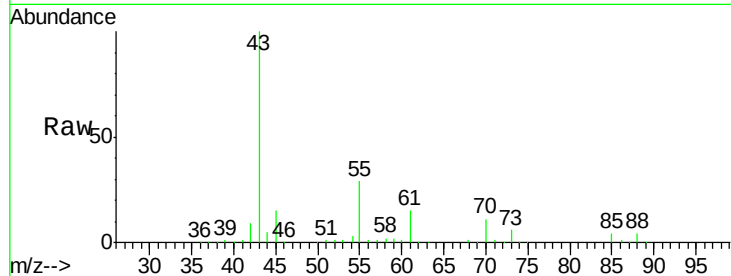




#37
Ethyl Acetate
Concen: 53.54 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

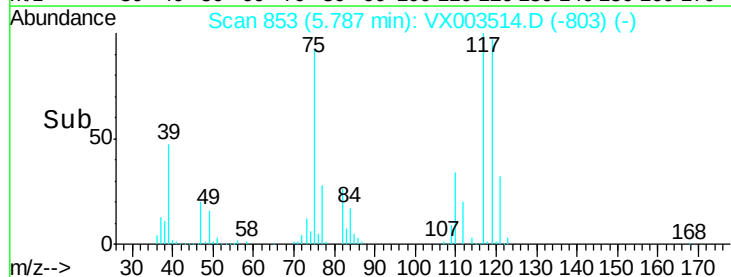
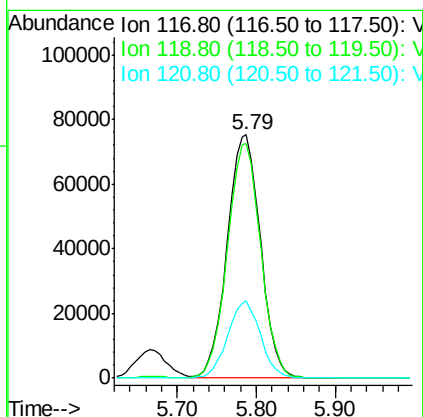
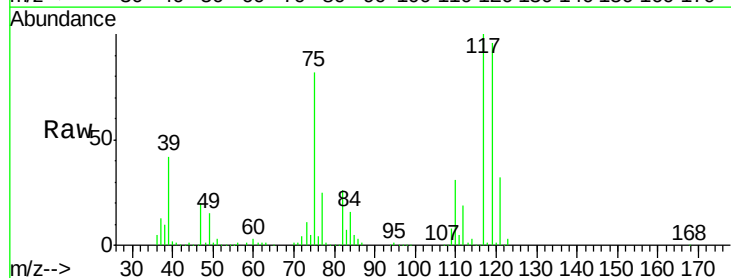
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

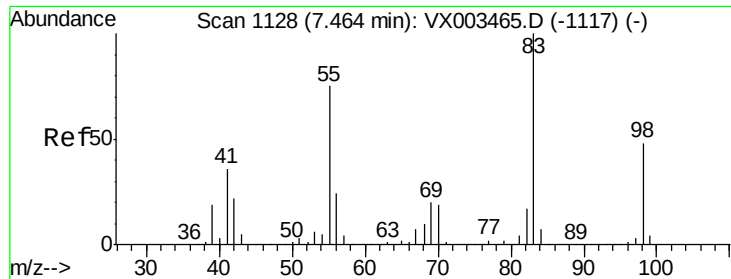
Tot Ion: 43 Resp: 221706
Ion Ratio Lower Upper
43 100
61 15.2 10.4 15.6
70 11.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 51.47 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 117 Resp: 220920
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0
121 31.6 24.4 36.6

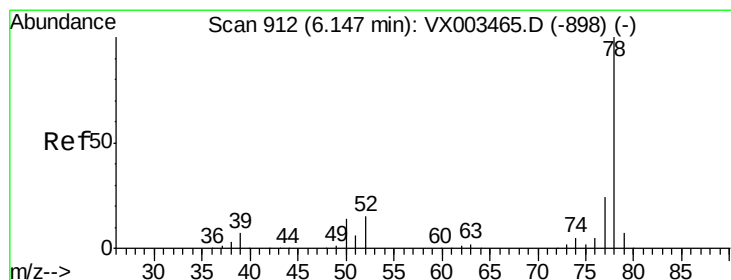
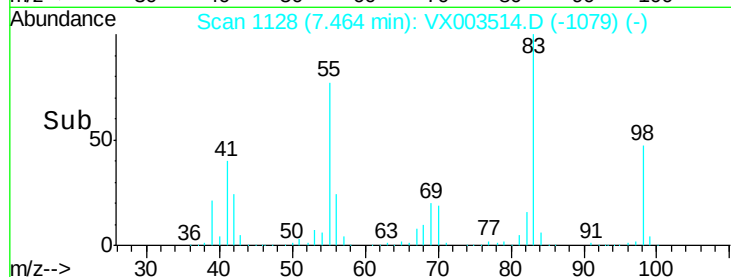
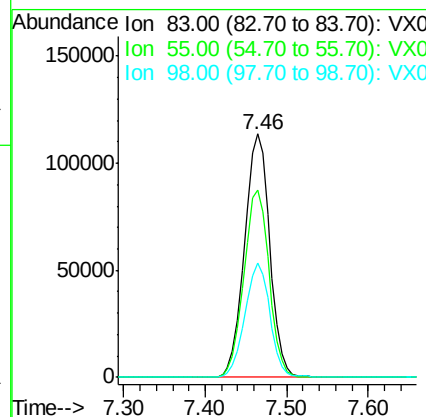
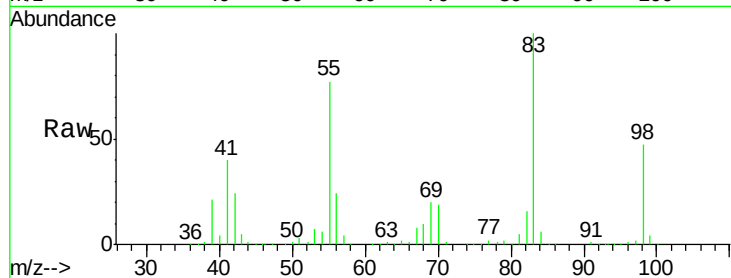




#39
Methylvlcyclohexane
Concen: 47.00 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

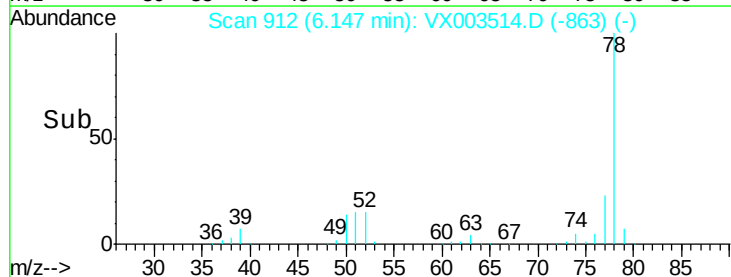
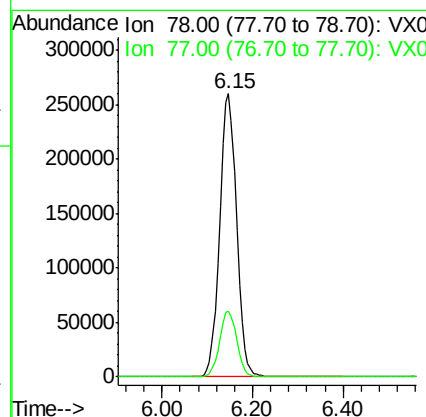
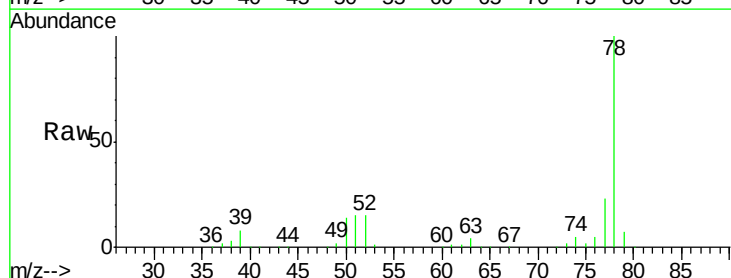
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

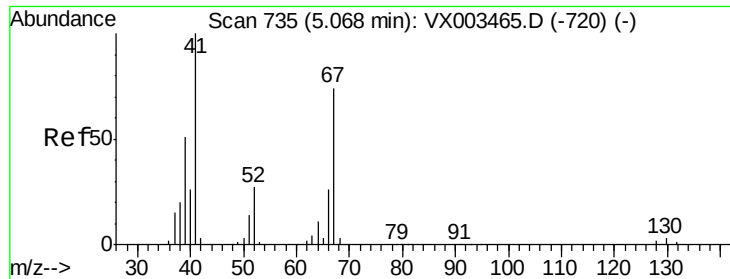
Tot Ion: 83 Resp: 243587
Ion Ratio Lower Upper
83 100
55 77.1 65.4 98.0
98 47.0 37.4 56.0



#40
Benzene
Concen: 51.47 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 78 Resp: 680071
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

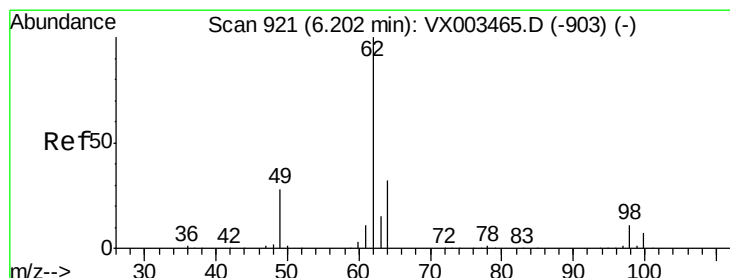
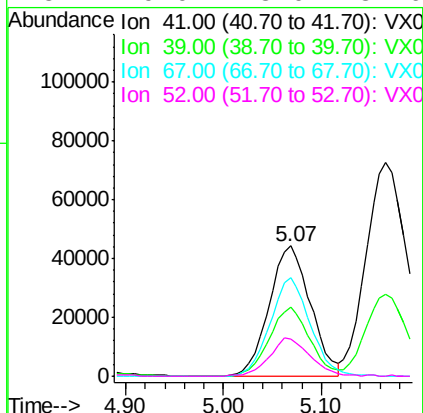
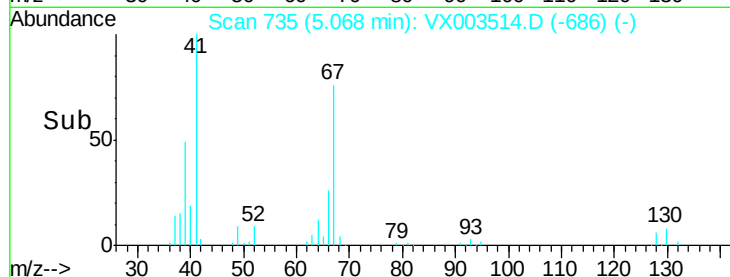
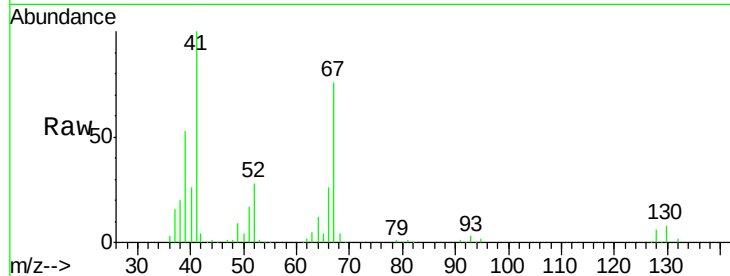




#41
Methacrylonitrile
Concen: 53.50 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

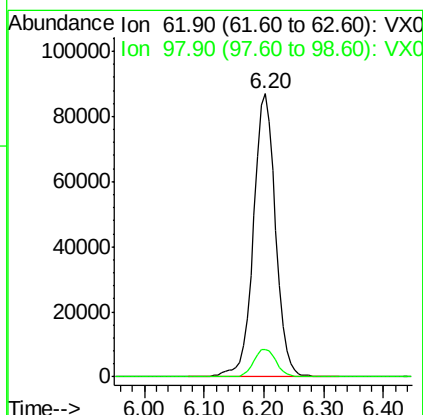
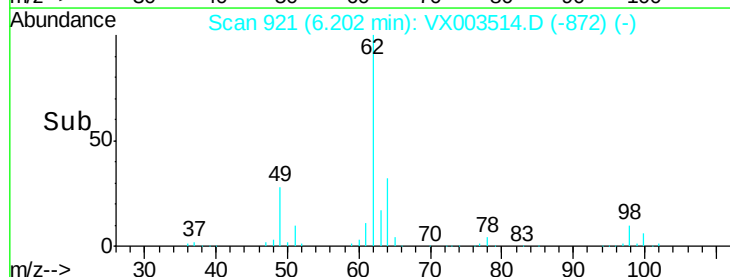
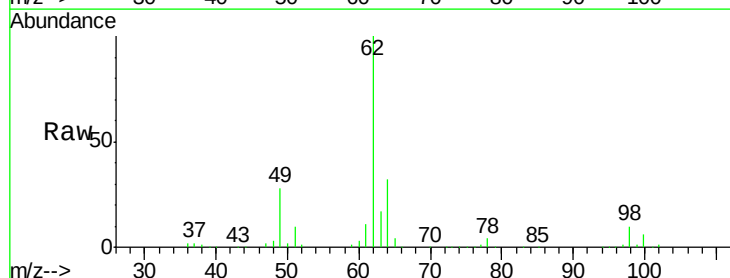
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

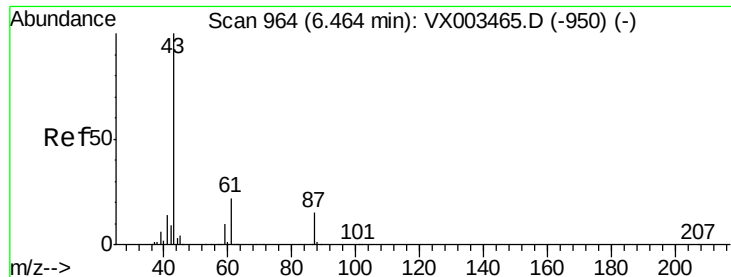
Tot Ion:	41	Resp:	130209
Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.8	68.6
67	73.7	51.3	76.9
52	29.0	23.0	34.6



#42
1,2-Dichloroethane
Concen: 53.74 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion:	62	Resp:	223689
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	16.6



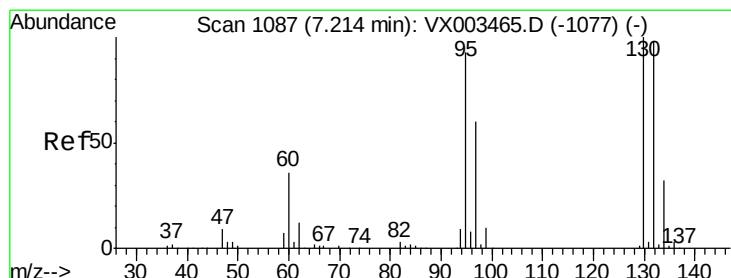
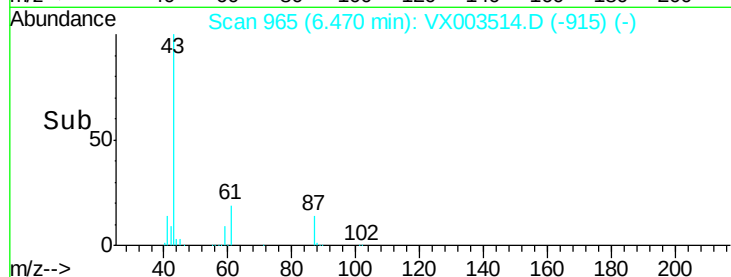
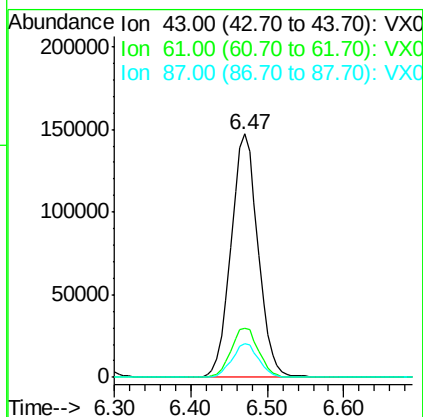
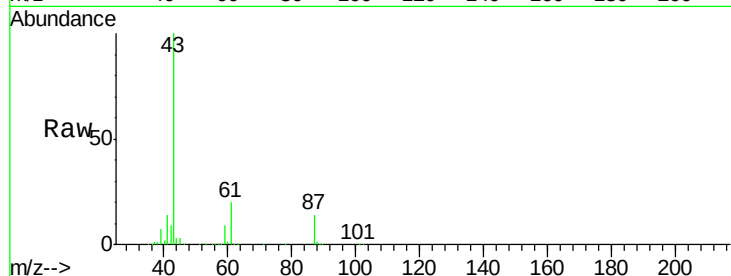


#43

Isopropyl Acetate
 Concen: 54.39 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

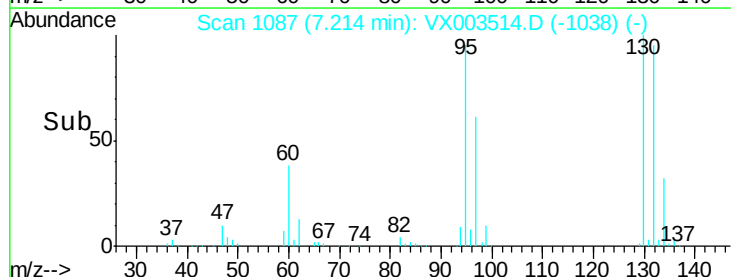
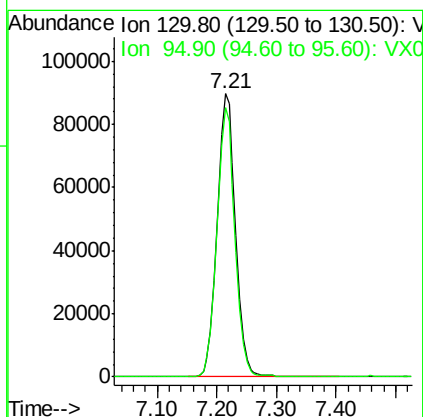
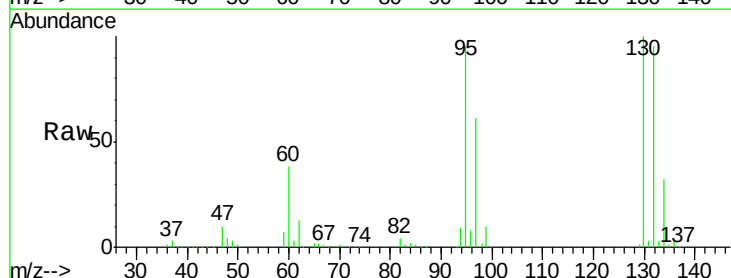
Tot Ion	43	Resp	358288
Ion Ratio	Lower	Upper	
43	100		
61	20.8	14.4	21.6
87	13.9	9.5	14.3

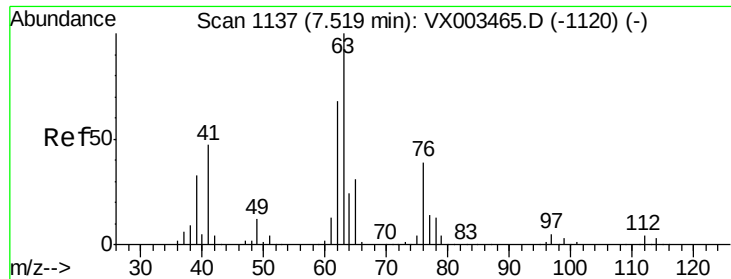


#44

Trichloroethene
 Concen: 48.49 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion	130	Resp	191057
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	185.4

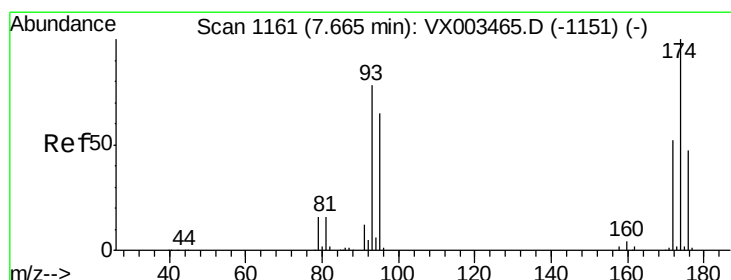
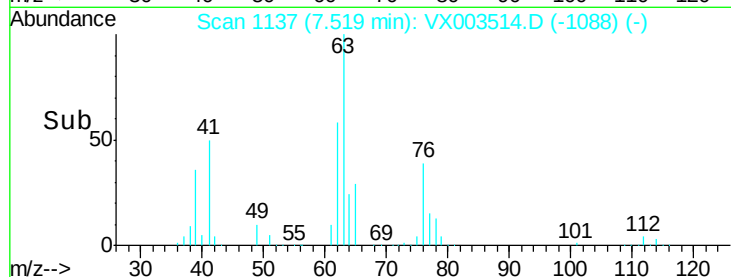
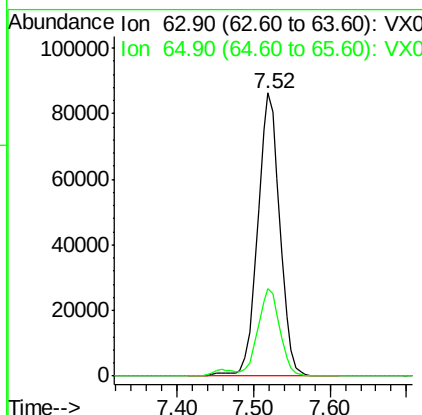
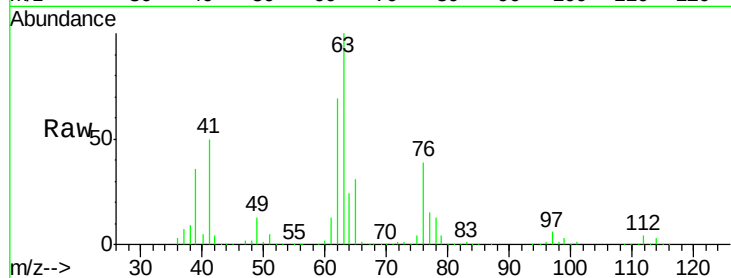




#45
 1,2-Dichloropropane
 Concen: 52.03 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

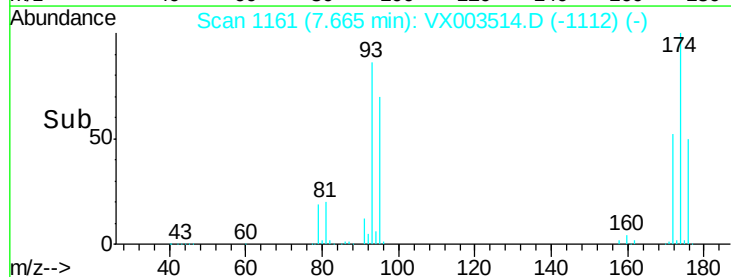
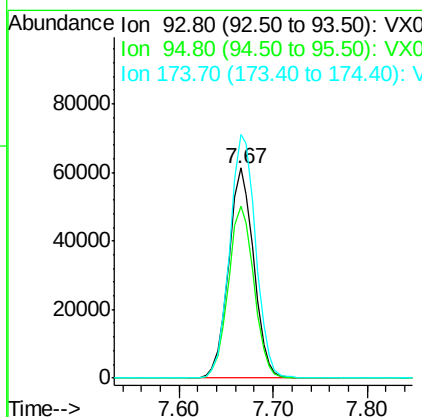
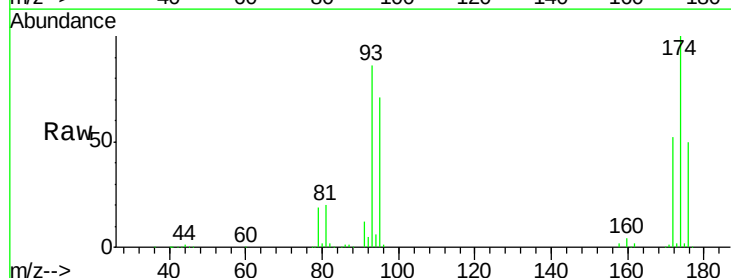
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

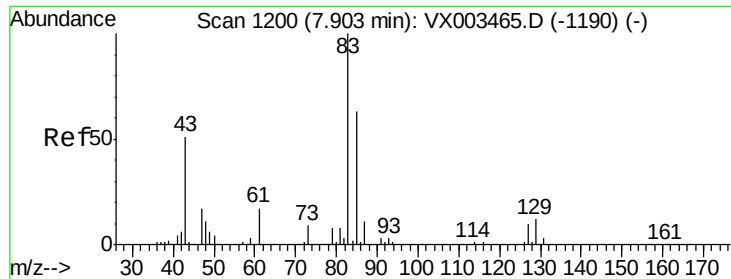
Tot Ion: 63 Resp: 174561
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1



#46
 Dibromomethane
 Concen: 52.69 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion: 93 Resp: 113794
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 119.9 92.4 138.6





#47

Bromodichloromethane

Concen: 54.42 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

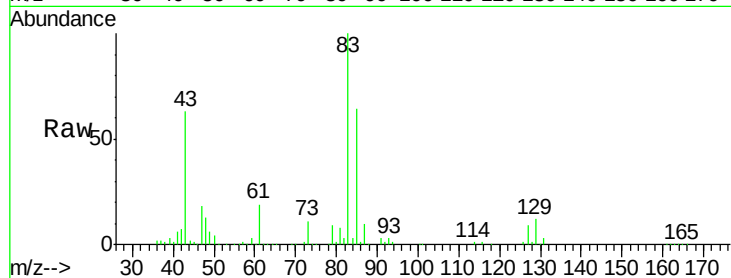
Tot Ion: 83 Resp: 215162

Ion Ratio Lower Upper

83 100

85 64.0 50.3 75.5

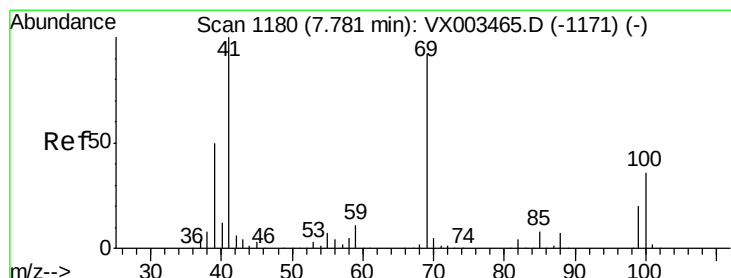
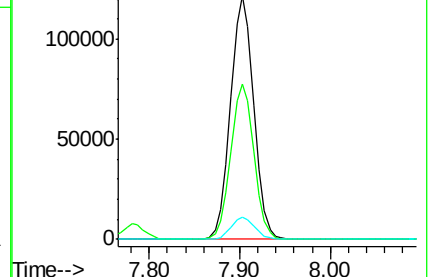
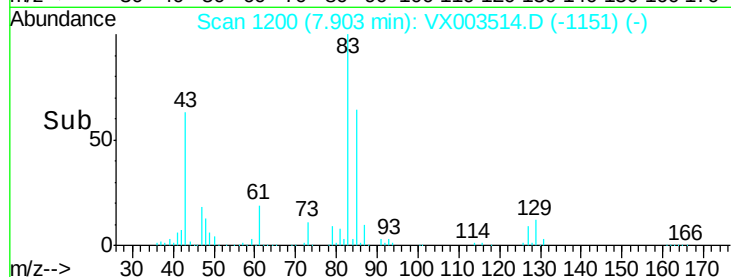
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.90 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

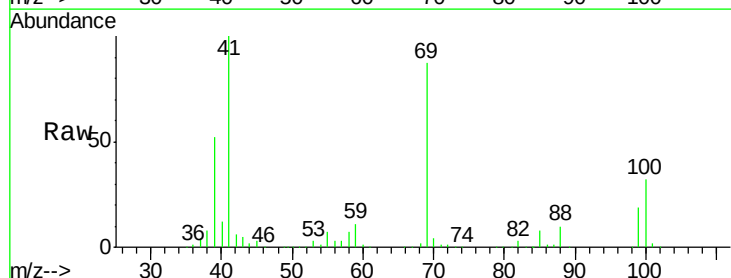
Tgt Ion: 41 Resp: 189002

Ion Ratio Lower Upper

41 100

69 87.3 59.1 88.7

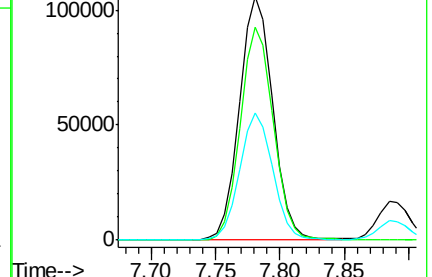
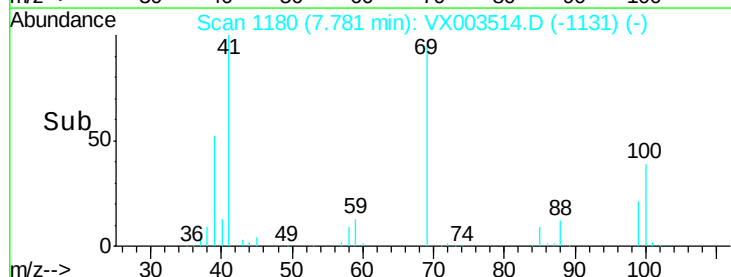
39 52.1 48.9 73.3

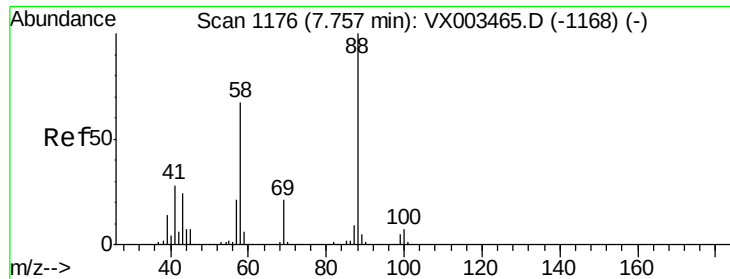


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

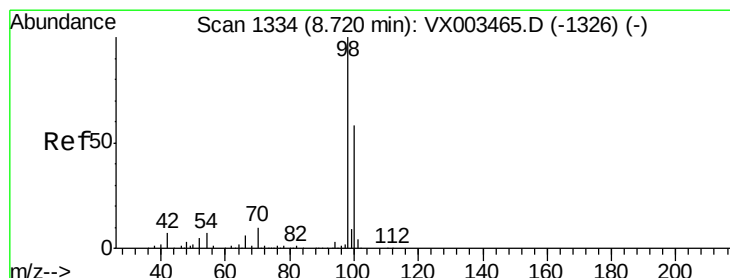
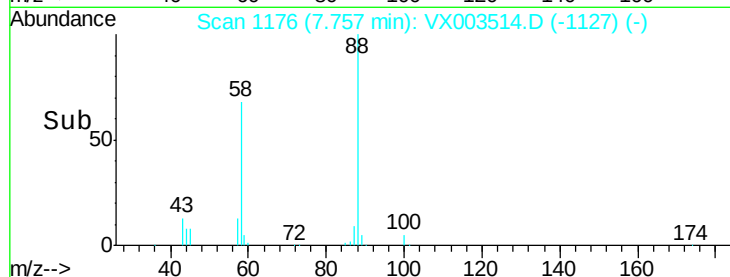
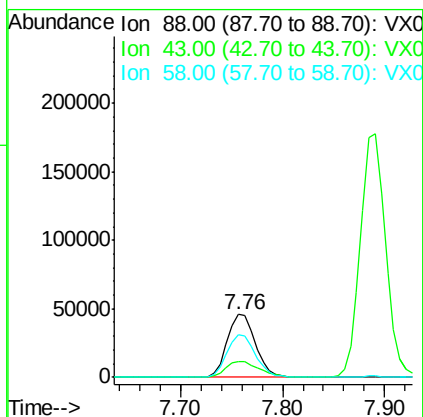
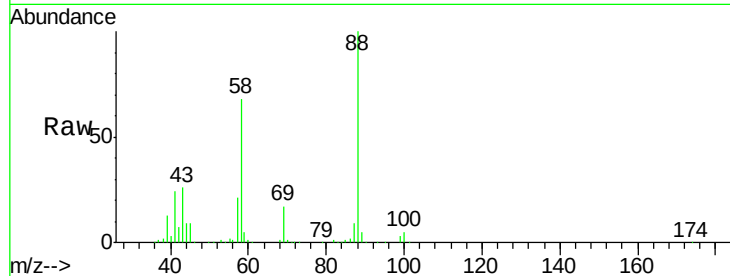




#49
1,4-Dioxane
Concen: 1161.38 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

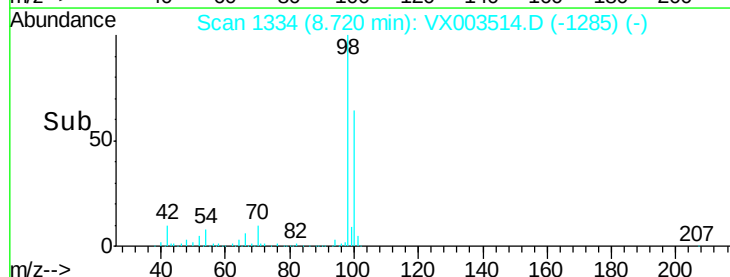
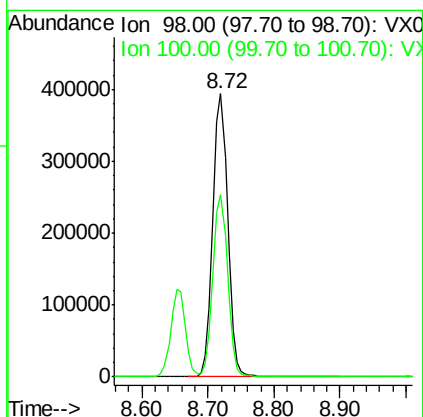
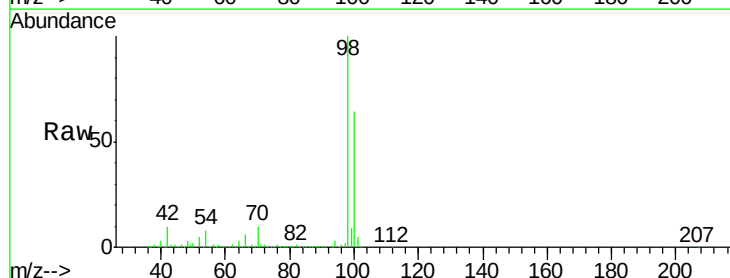
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

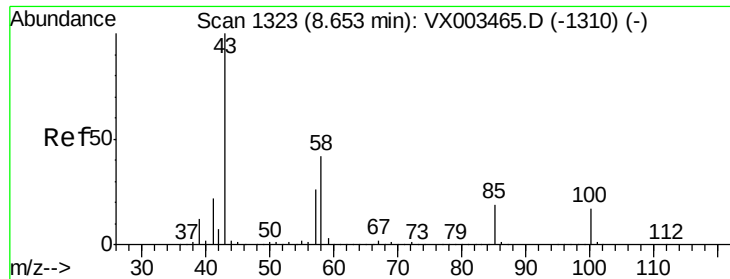
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	29.8	44.6
58	69.7	57.1	85.7



#50
Toluene-d8
Concen: 52.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 293.42 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

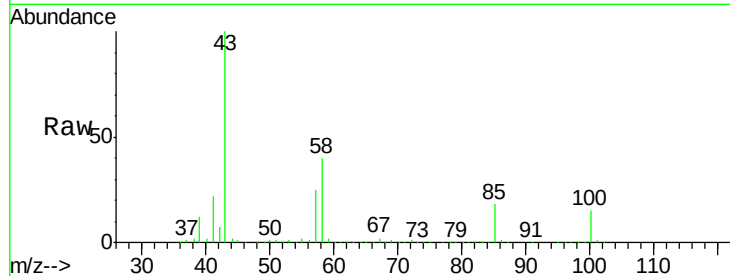
LF1-0034MSD

Tot Ion: 43 Resp: 1221004

Ion Ratio Lower Upper

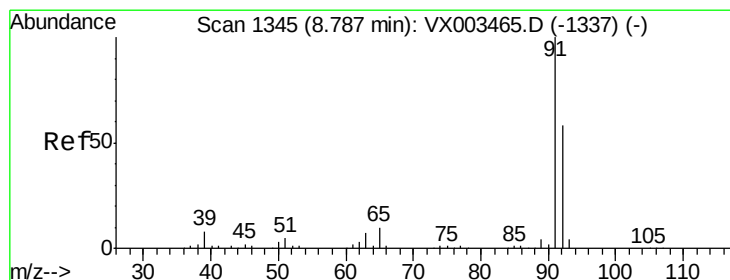
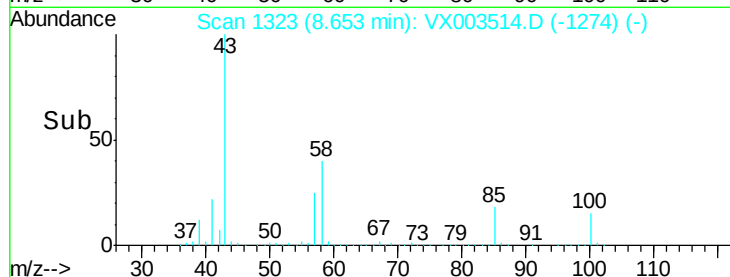
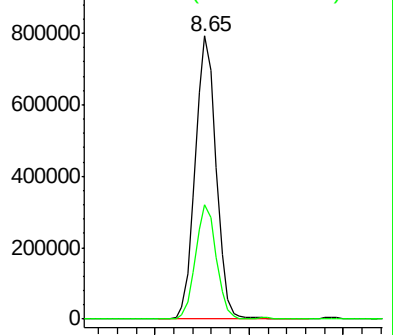
43 100

58 40.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003514.D

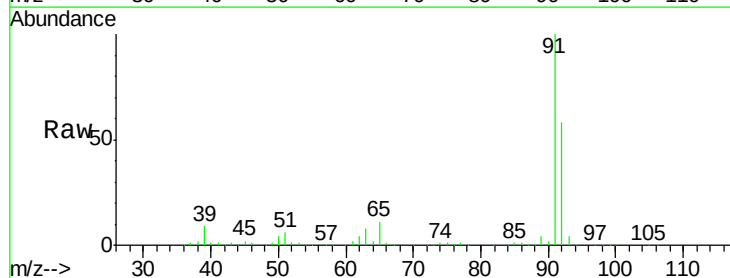
Acq: 20 Jul 2018 17:25

Tgt Ion: 92 Resp: 424599

Ion Ratio Lower Upper

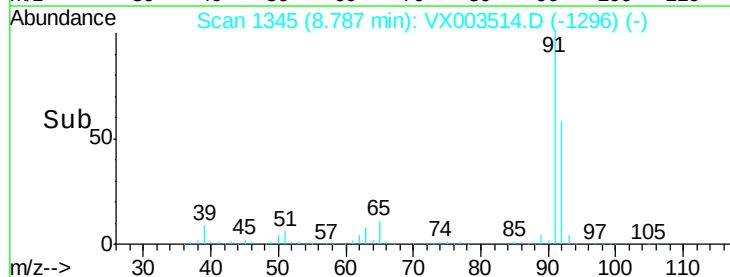
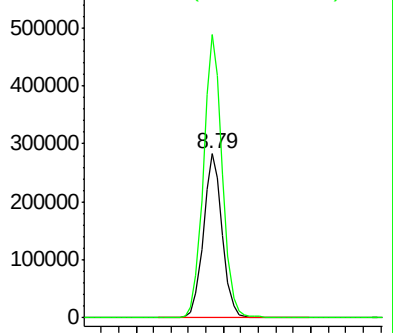
92 100

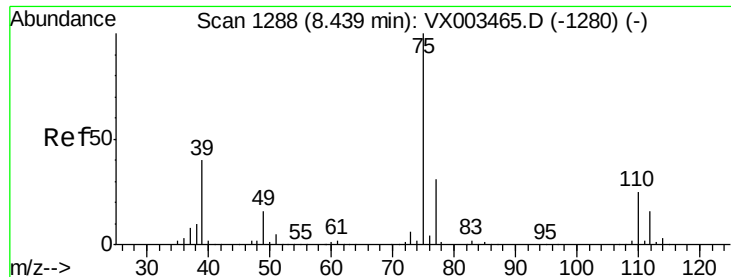
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.01 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

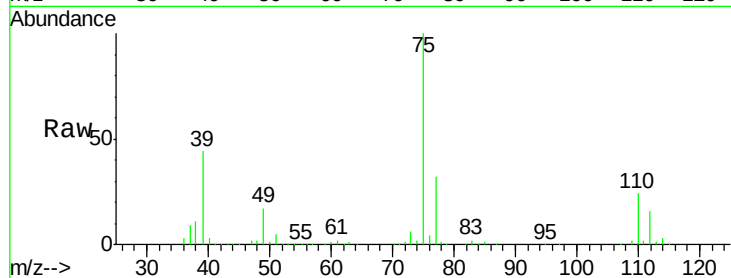
LF1-0034MSD

Tot Ion: 75 Resp: 253101

Ion Ratio Lower Upper

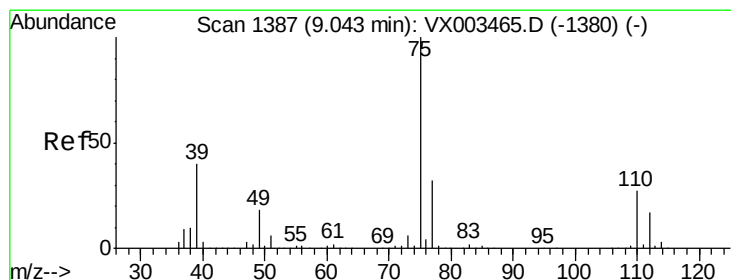
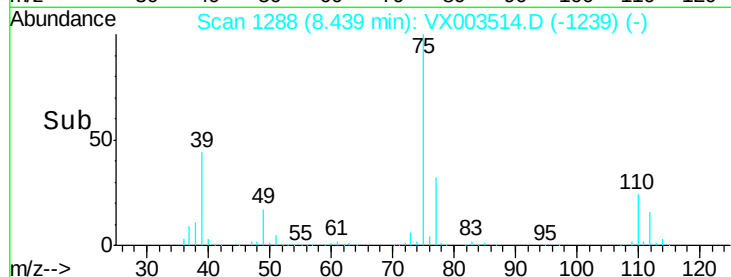
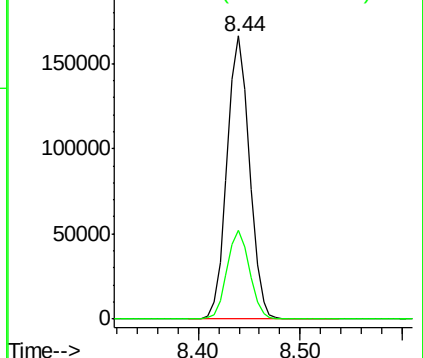
75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.84 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

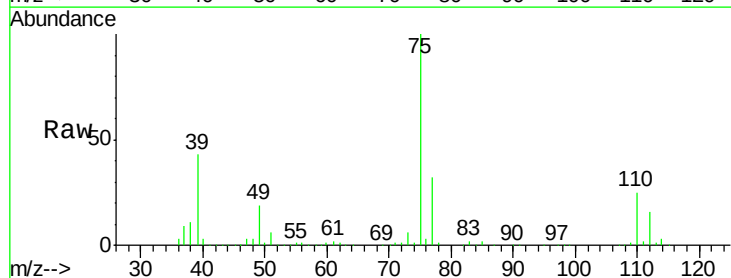
Tgt Ion: 75 Resp: 235630

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

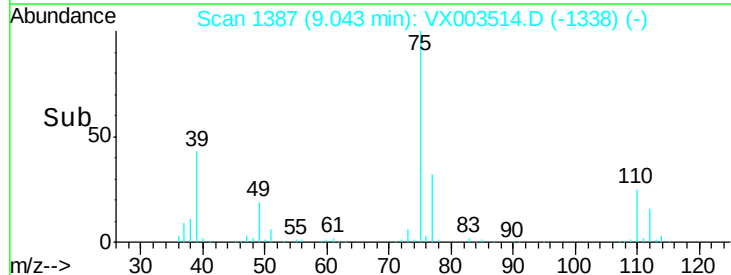
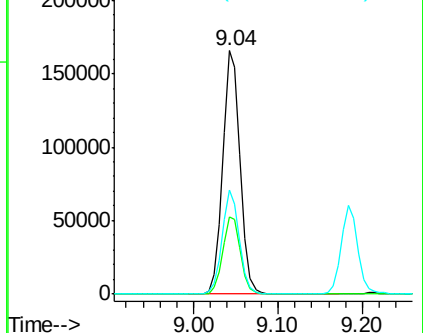
39 42.7 42.4 63.6

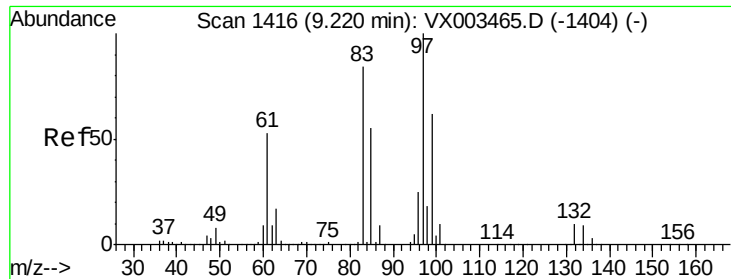


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

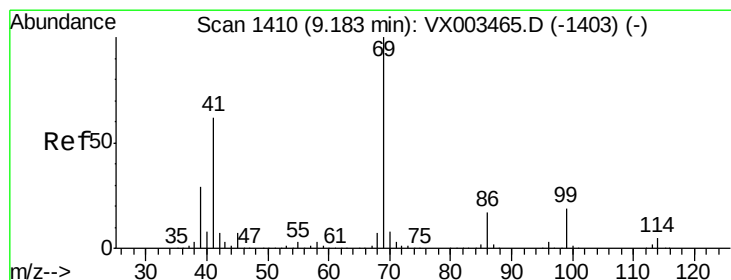
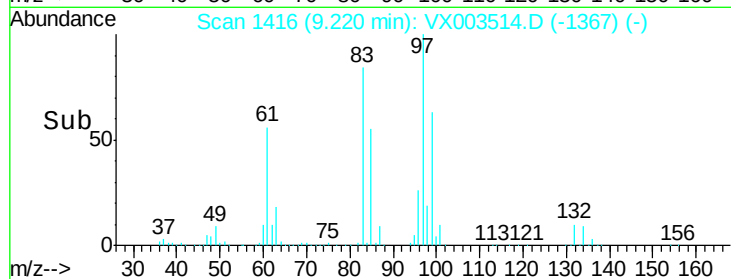
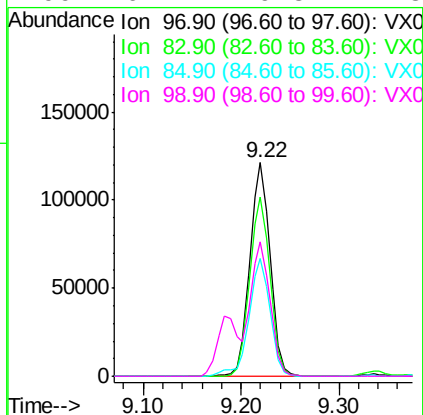
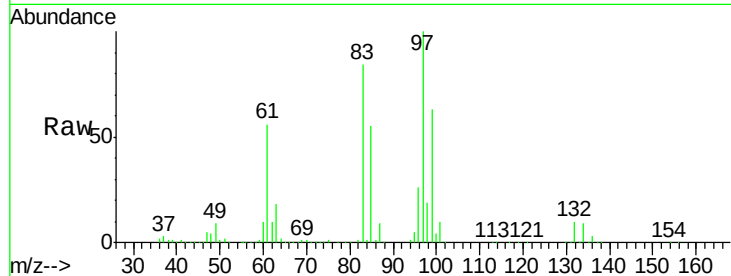




#55
 1,1,2-Trichloroethane
 Concen: 52.66 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

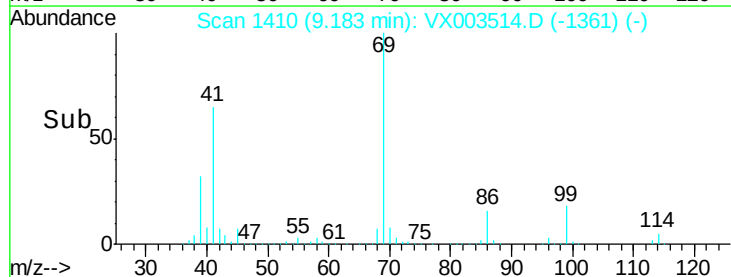
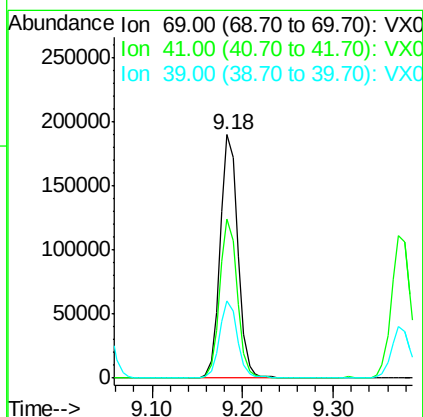
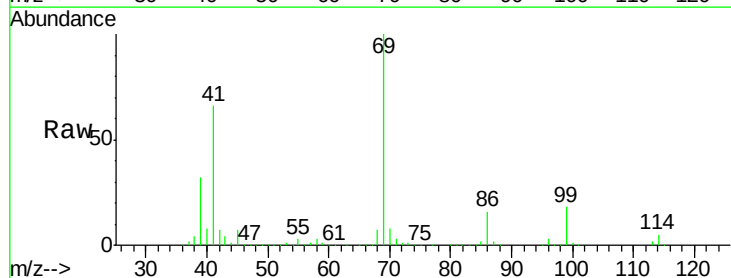
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

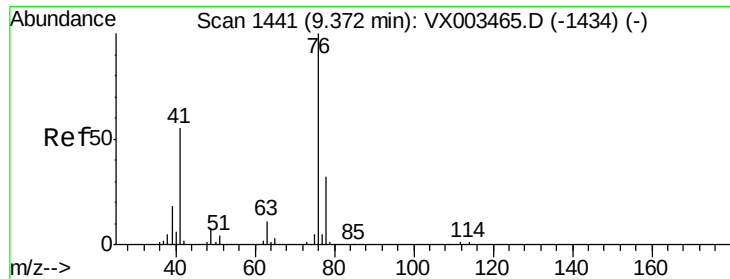
Tot Ion:	97	Resp:	174271
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	54.9	44.9	67.3
99	62.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 55.81 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion:	69	Resp:	260115
Ion	Ratio	Lower	Upper
69	100		
41	64.8	60.3	90.5
39	31.9	35.8	53.8#

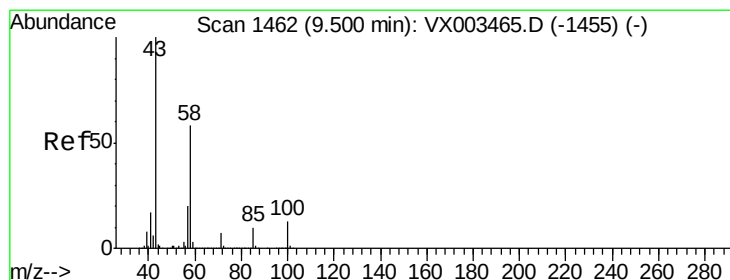
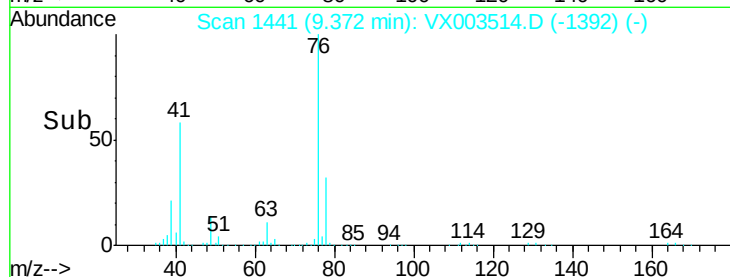
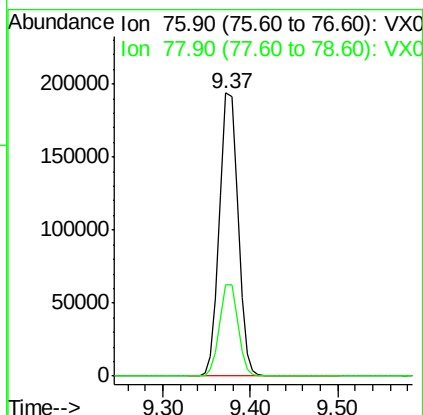
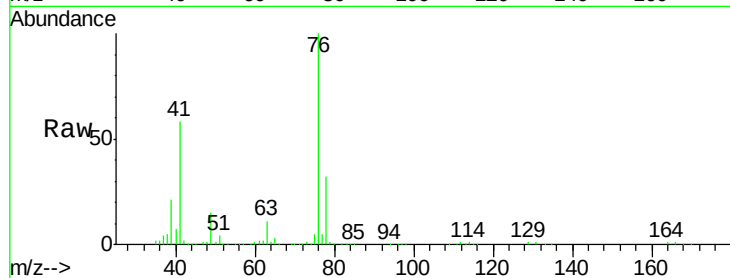




#57
 1,3-Dichloropropane
 Concen: 53.34 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

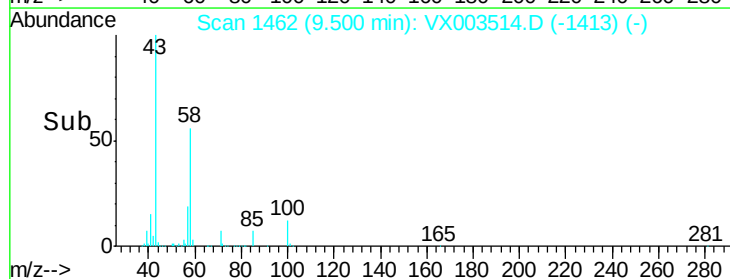
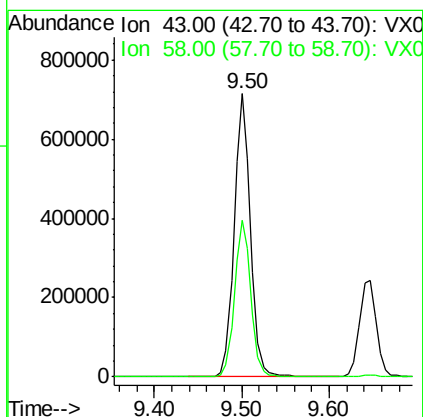
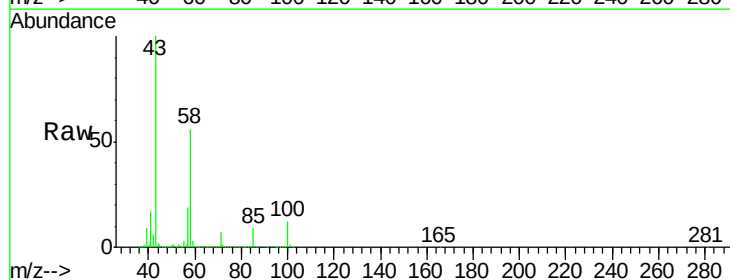
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

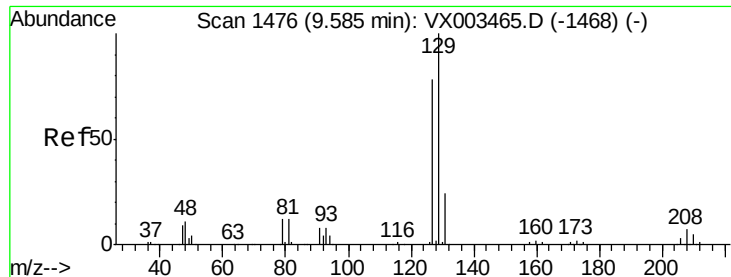
Tot Ion: 76 Resp: 285313
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#59
 2-Hexanone
 Concen: 301.15 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion: 43 Resp: 928496
 Ion Ratio Lower Upper
 43 100
 58 55.9 24.6 73.6





#60

Dibromochloromethane

Concen: 54.19 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

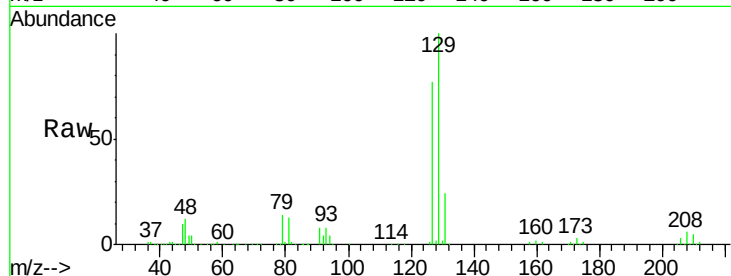
LF1-0034MSD

Tot Ion:129 Resp: 177517

Ion Ratio Lower Upper

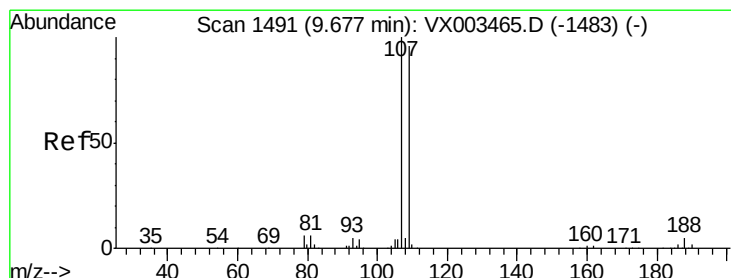
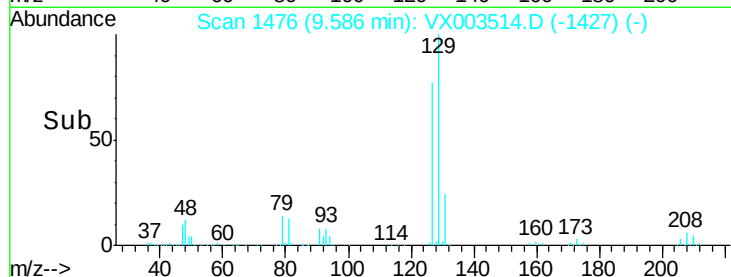
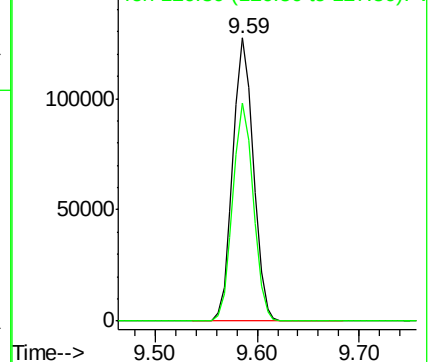
129 100

127 76.8 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.56 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003514.D

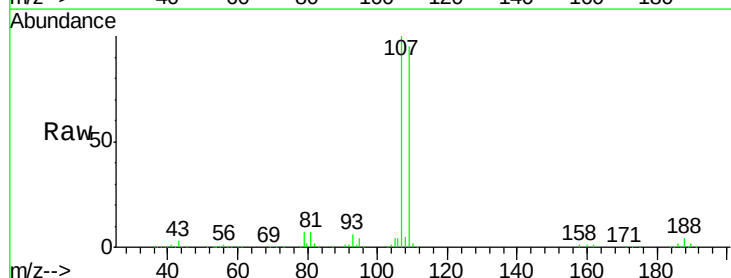
Acq: 20 Jul 2018 17:25

Tgt Ion:107 Resp: 180311

Ion Ratio Lower Upper

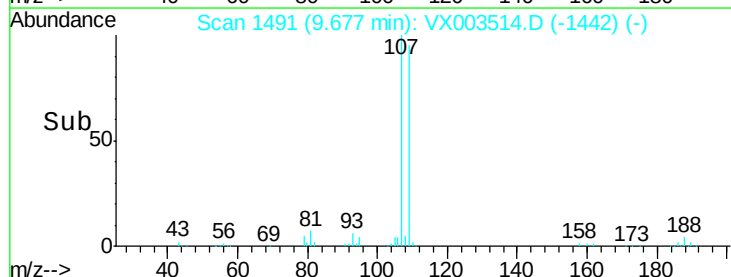
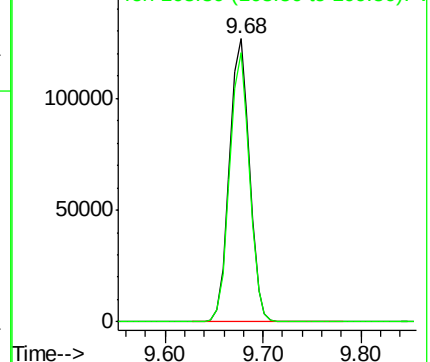
107 100

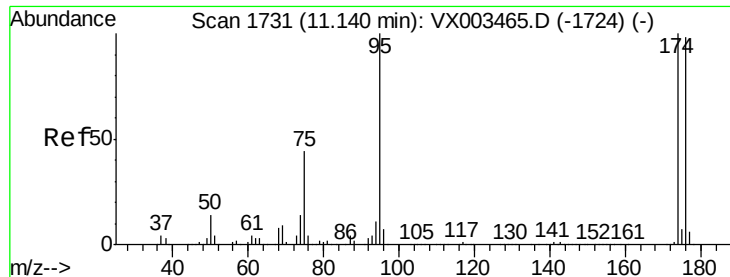
109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

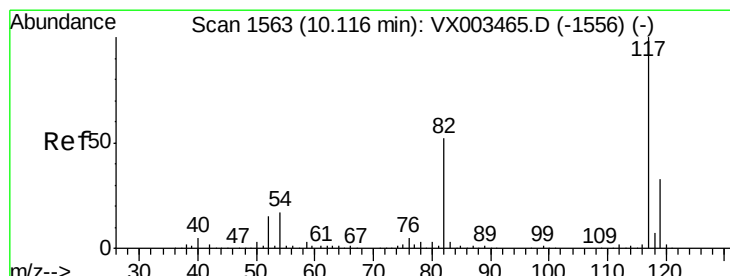
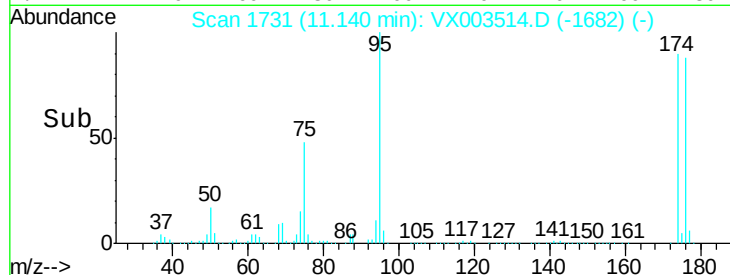
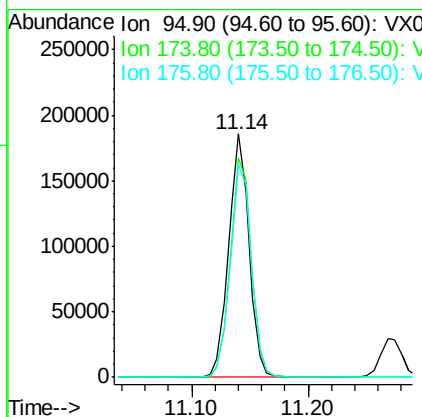
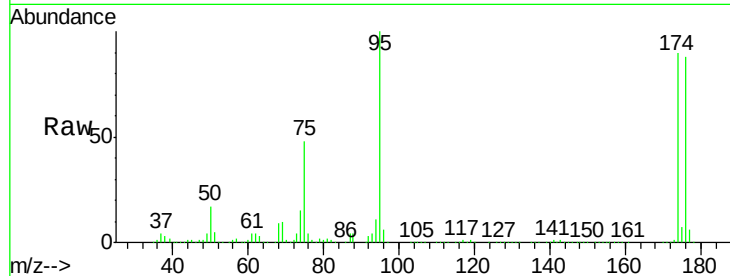




#62
4-Bromofluorobenzene
Concen: 53.19 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

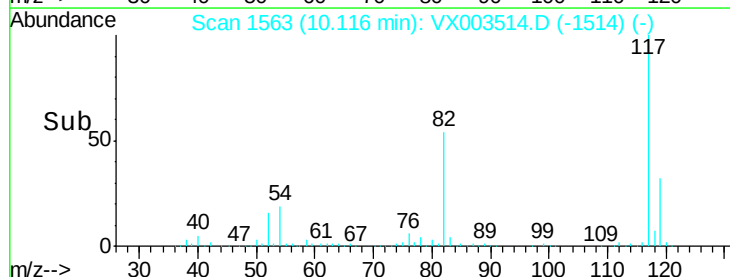
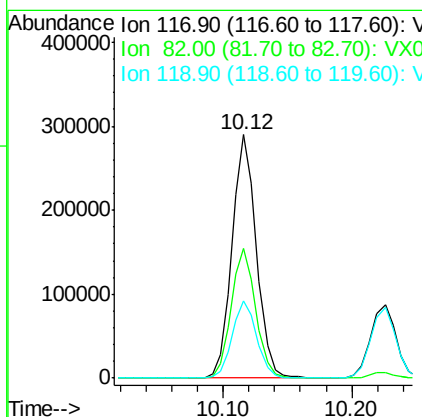
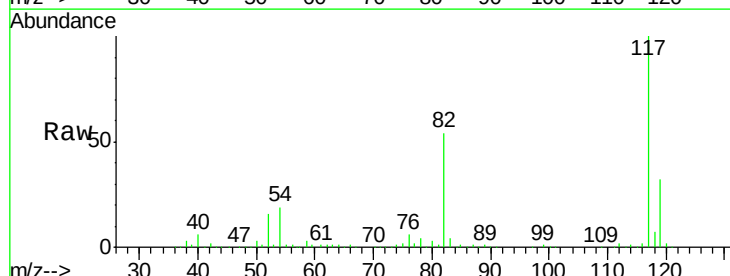
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

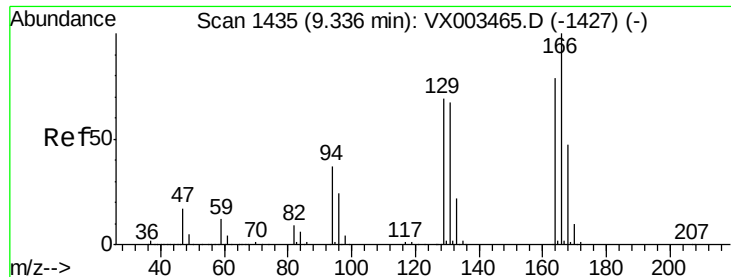
Tot Ion: 95 Resp: 225244
Ion Ratio Lower Upper
95 100
174 93.7 0.0 187.4
176 91.2 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 117 Resp: 383206
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 31.8 25.8 38.6





#64

Tetrachloroethene

Concen: 47.25 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:164 Resp: 220624

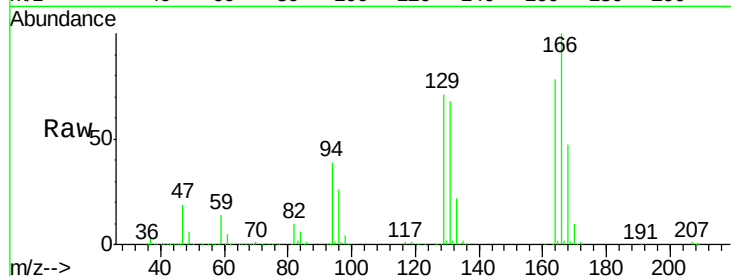
Ion Ratio Lower Upper

164 100

166 128.2 102.9 154.3

129 91.2 68.6 102.8

131 87.1 66.8 100.2

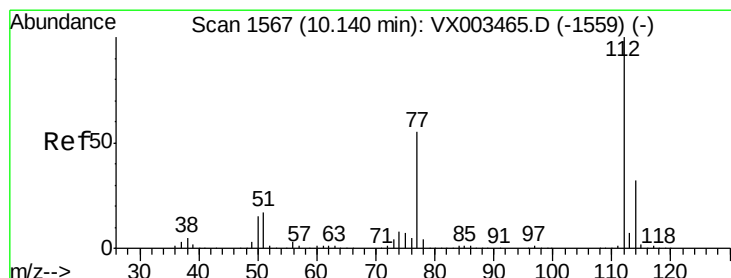
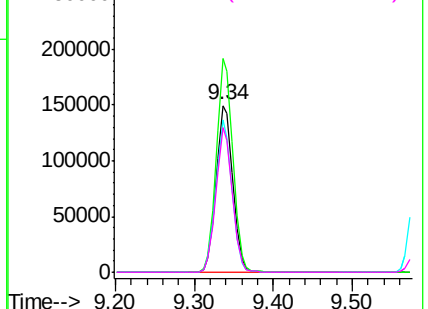
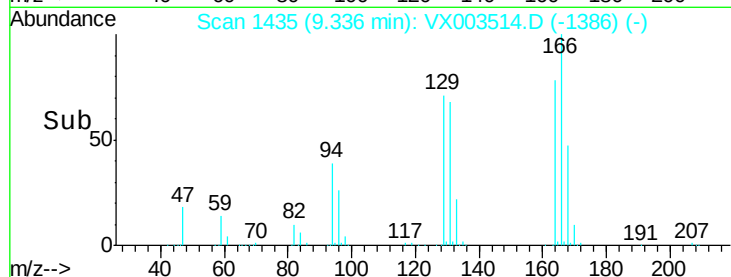


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.95 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003514.D

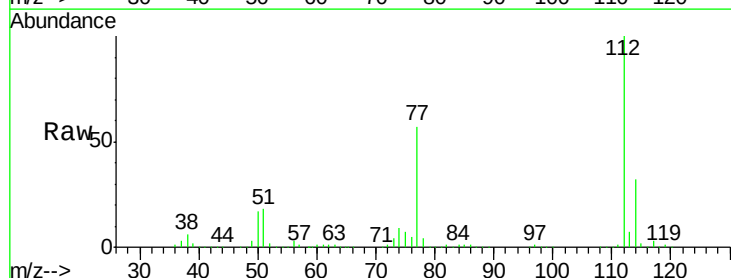
Acq: 20 Jul 2018 17:25

Tgt Ion:112 Resp: 483305

Ion Ratio Lower Upper

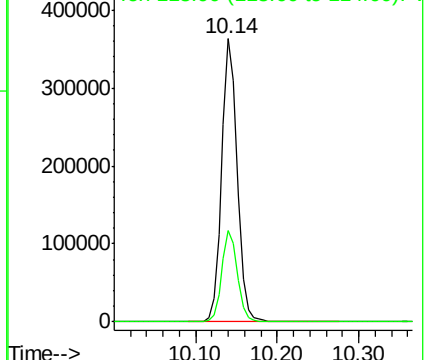
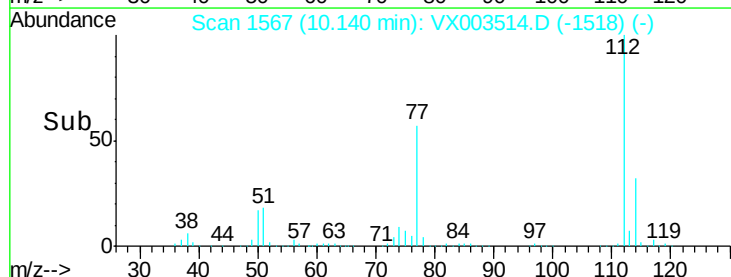
112 100

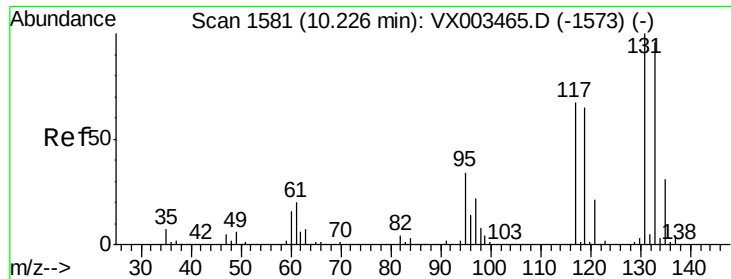
114 32.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.99 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

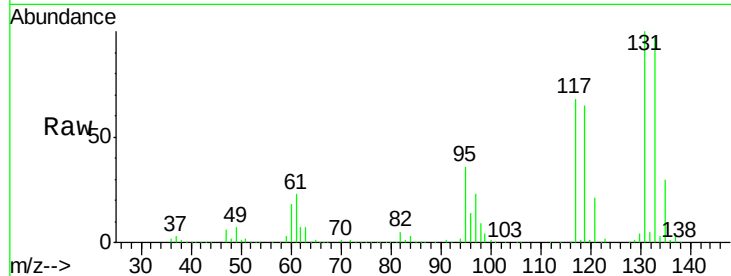
Tot Ion:131 Resp: 173202

Ion Ratio Lower Upper

131 100

133 96.7 47.9 143.6

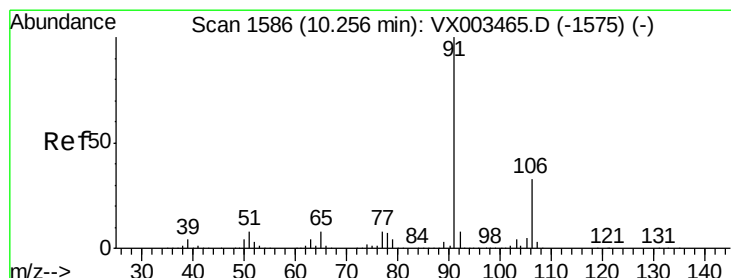
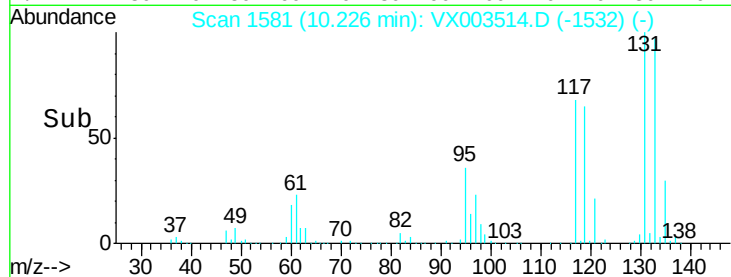
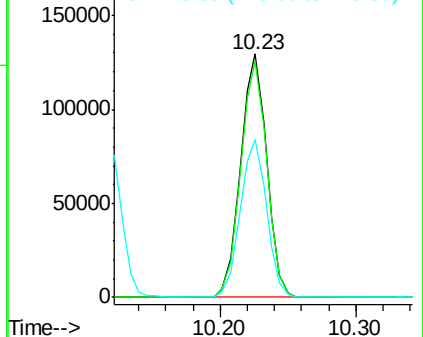
119 65.0 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.40 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003514.D

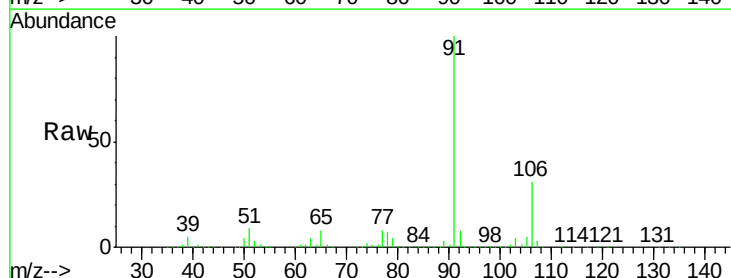
Acq: 20 Jul 2018 17:25

Tgt Ion: 91 Resp: 815997

Ion Ratio Lower Upper

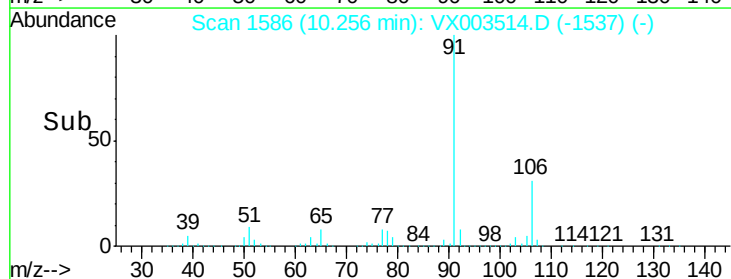
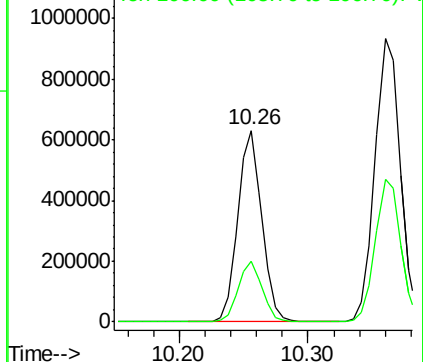
91 100

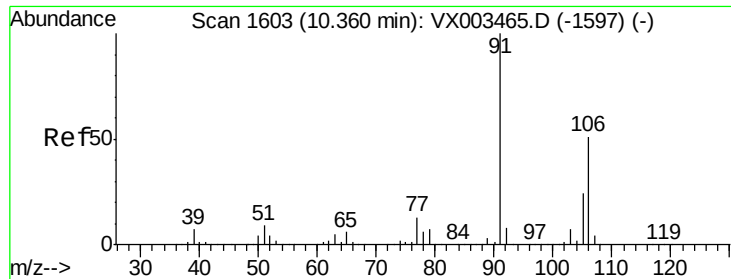
106 31.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

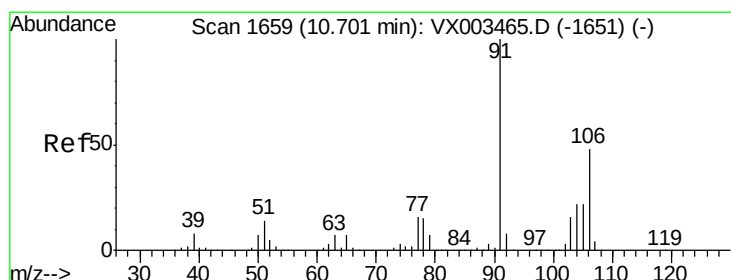
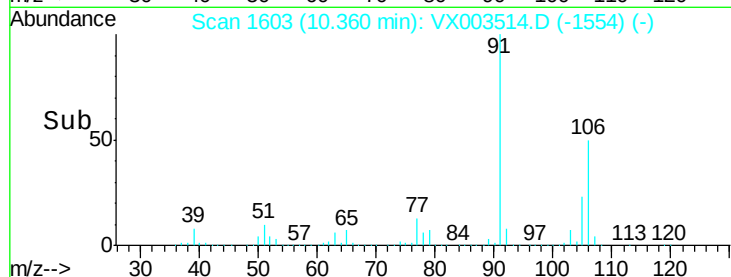
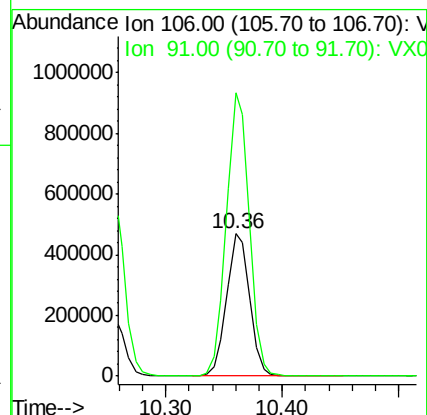
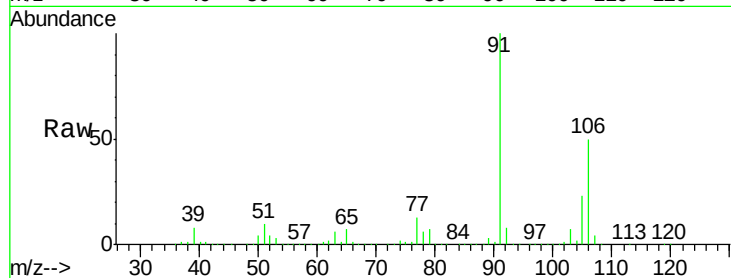




#68
m/p-Xylenes
Concen: 102.49 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

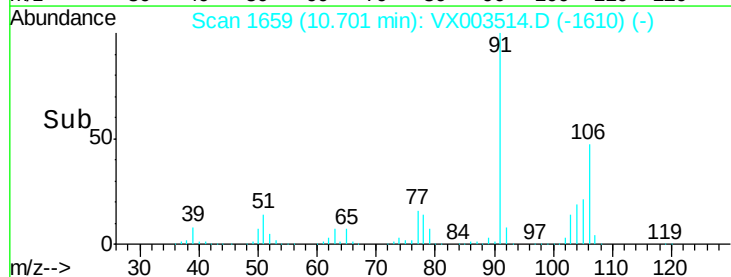
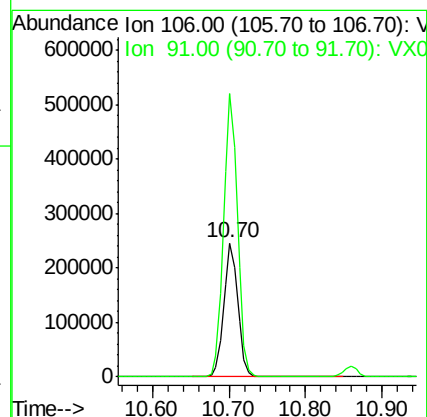
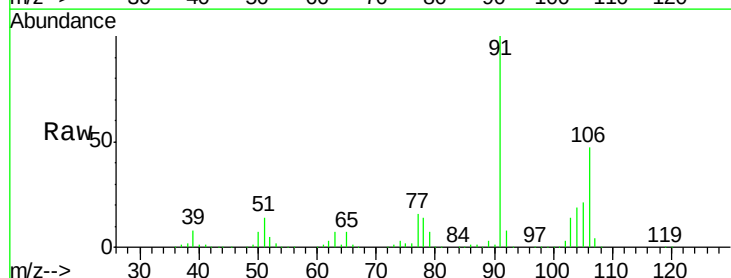
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

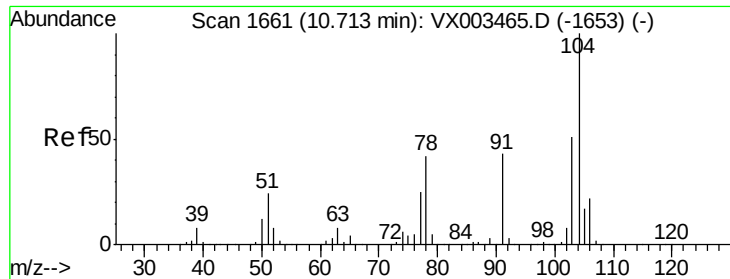
Tot Ion:106 Resp: 637854
Ion Ratio Lower Upper
106 100
91 198.8 163.4 245.2



#69
o-Xylene
Concen: 51.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion:106 Resp: 310357
Ion Ratio Lower Upper
106 100
91 211.9 108.2 324.6





#70

Stvrene

Concen: 53.13 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

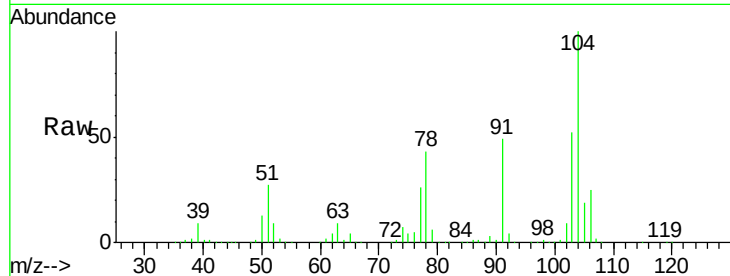
Tot Ion:104 Resp: 525987

Ion Ratio Lower Upper

104 100

78 47.7 41.0 61.6

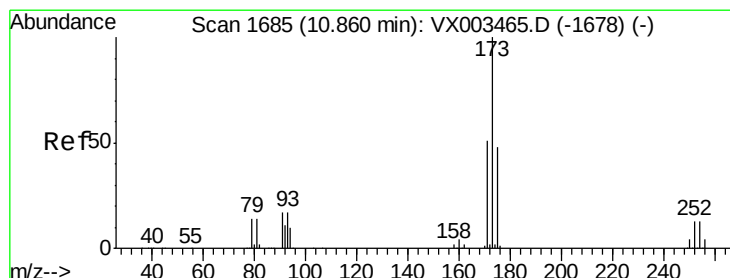
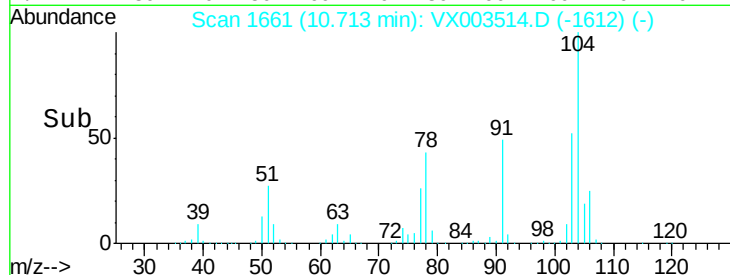
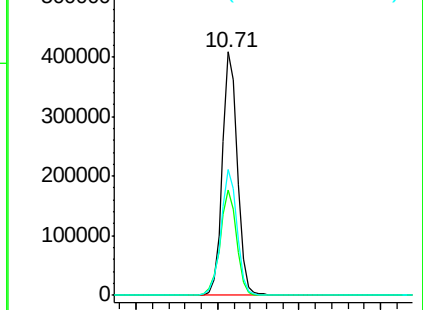
103 55.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 52.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

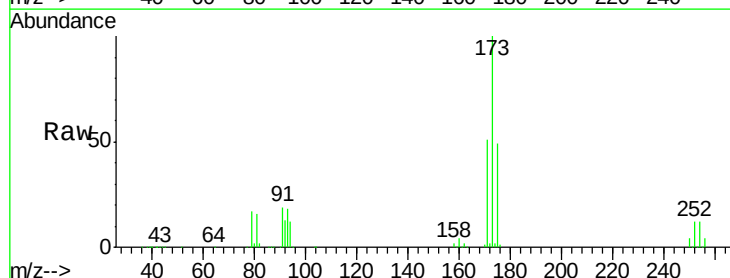
Tgt Ion:173 Resp: 139066

Ion Ratio Lower Upper

173 100

175 49.1 24.7 74.1

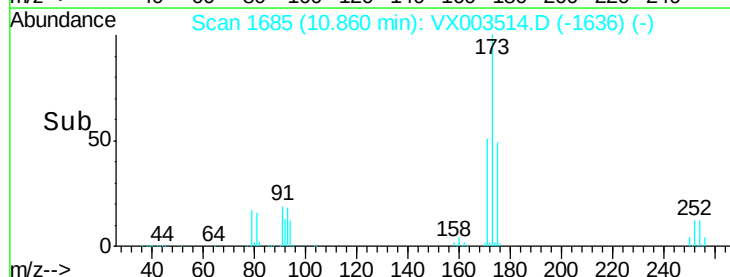
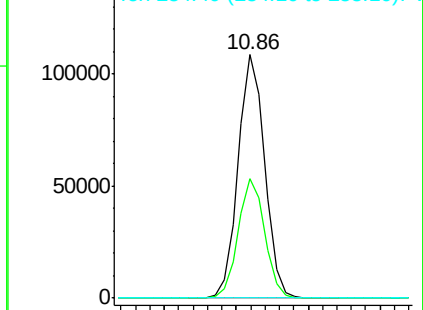
254 0.2 0.2 0.2

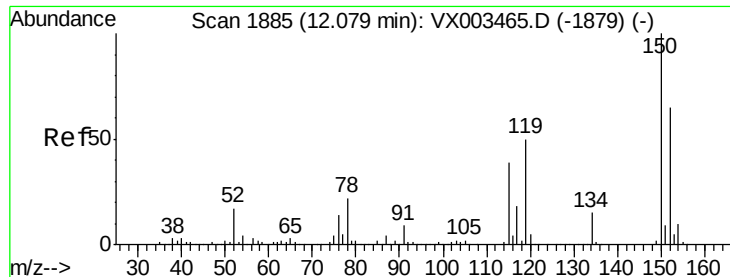


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

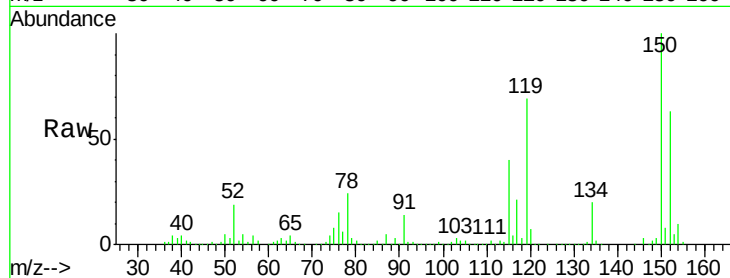
Tot Ion:152 Resp: 231977

Ion Ratio Lower Upper

152 100

115 78.0 40.1 120.2

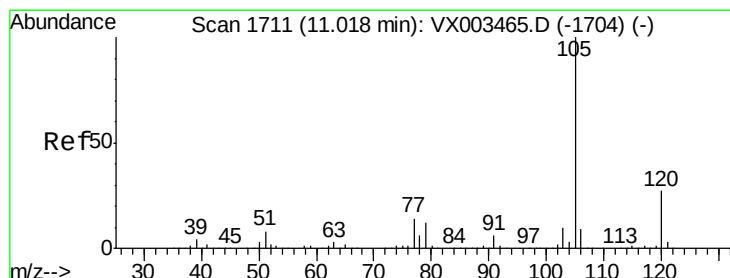
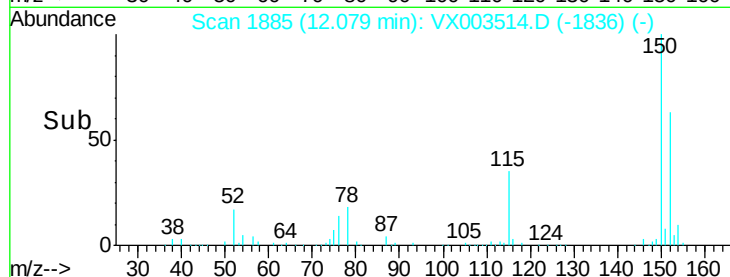
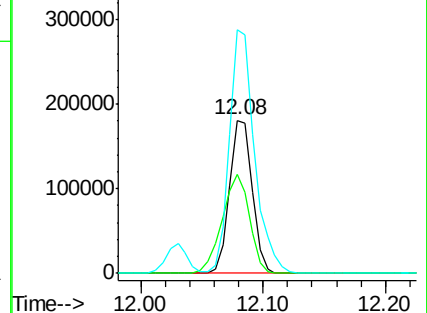
150 175.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003514.D

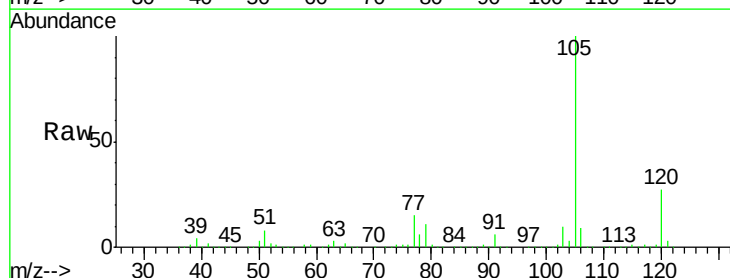
Acq: 20 Jul 2018 17:25

Tgt Ion:105 Resp: 825871

Ion Ratio Lower Upper

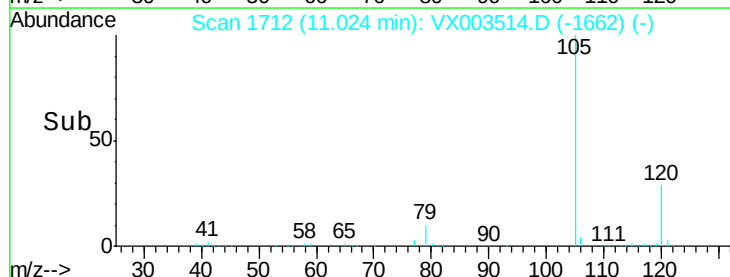
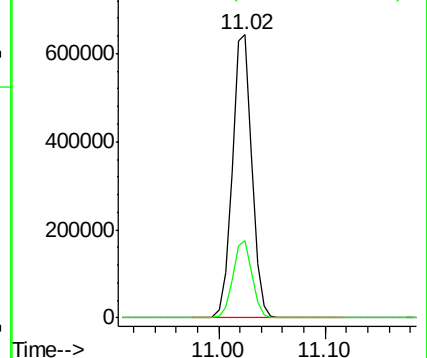
105 100

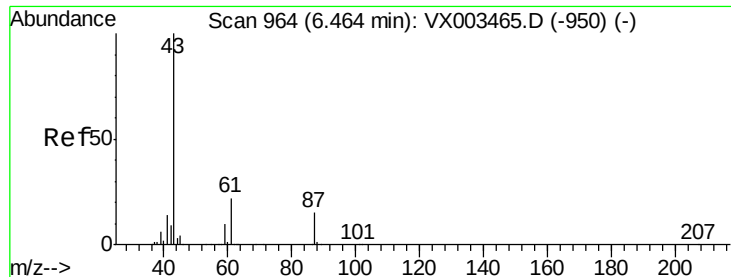
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.59 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

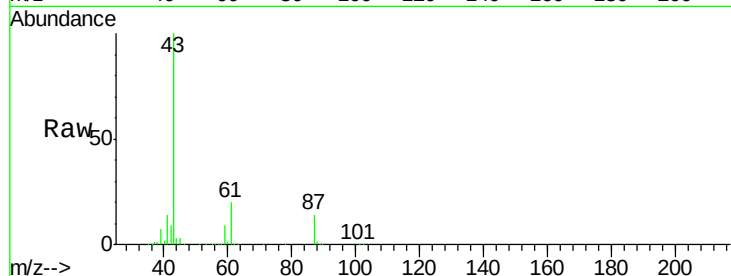
ClientSampleId :

LF1-0034MSD

Tot Ion: 43 Resp: 358288

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0#
61	20.8	14.4	21.6

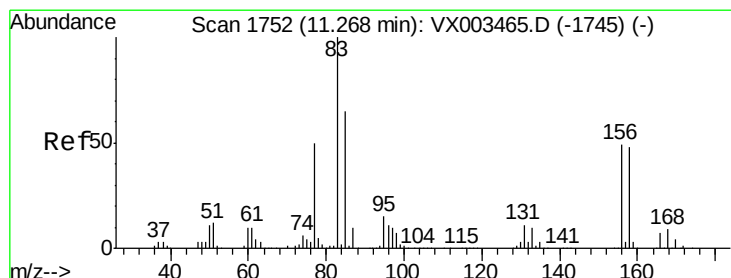
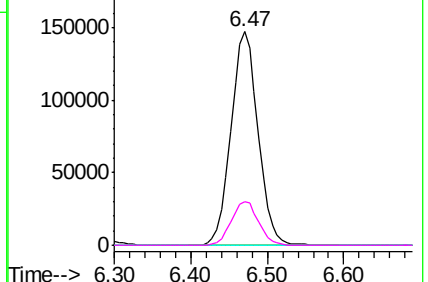
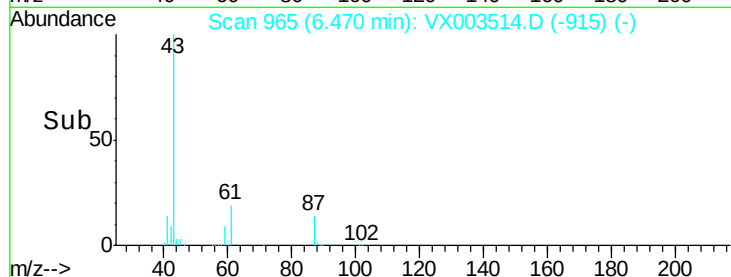


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.09 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

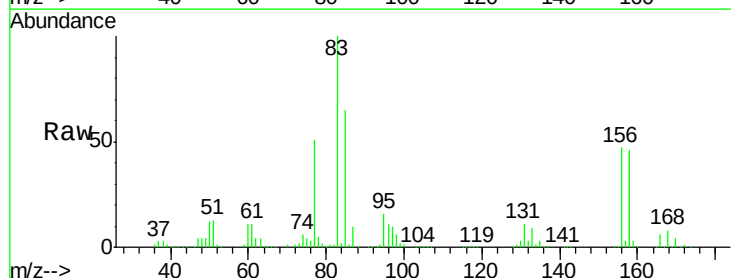
Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Tgt Ion: 83 Resp: 249587

Ion Ratio Lower Upper

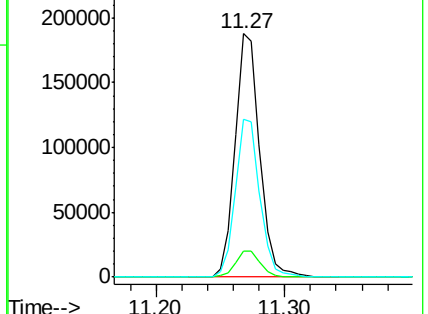
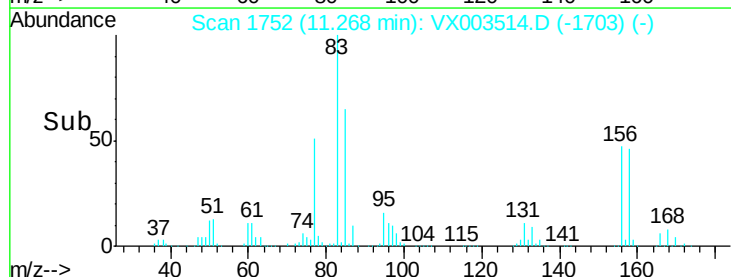
83	100		
131	10.9	5.6	16.8
85	64.9	32.4	97.2

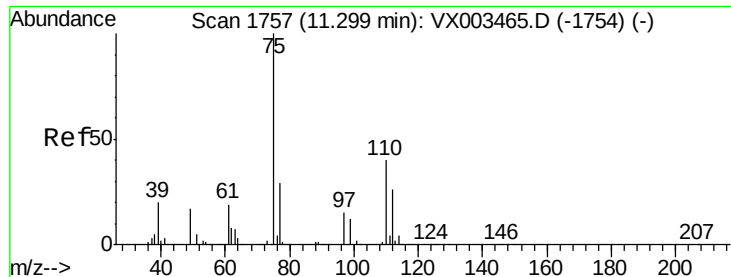


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 70.90 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

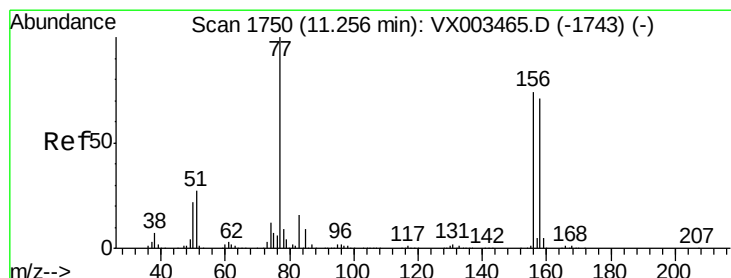
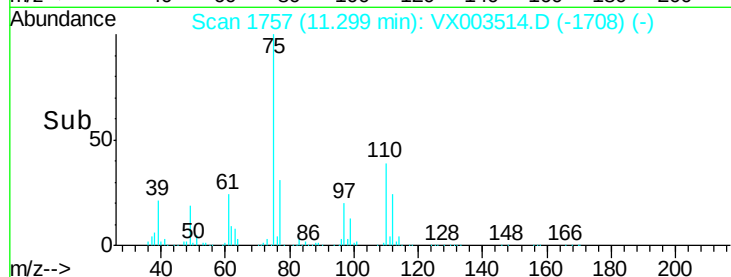
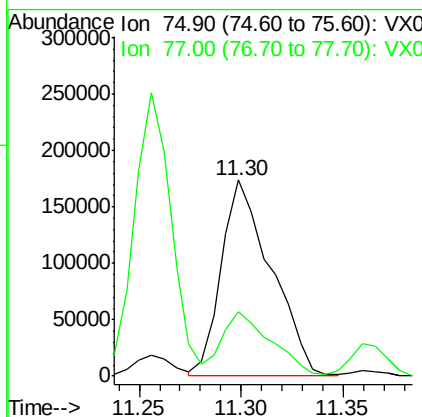
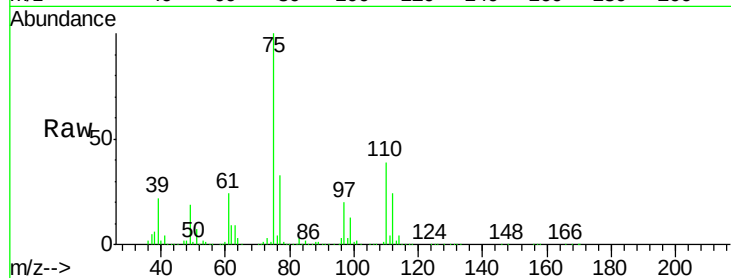
LF1-0034MSD

Tot Ion: 75 Resp: 295490

Ion Ratio Lower Upper

75 100

77 32.4 22.8 68.3



#77

Bromobenzene

Concen: 48.79 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

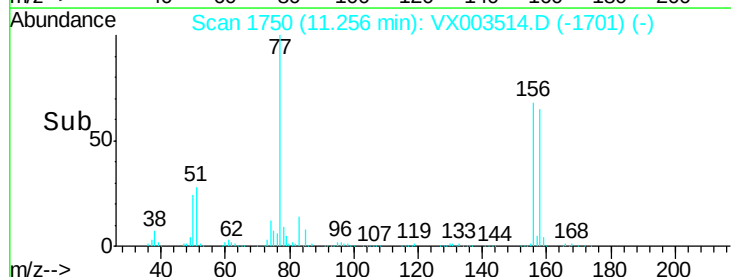
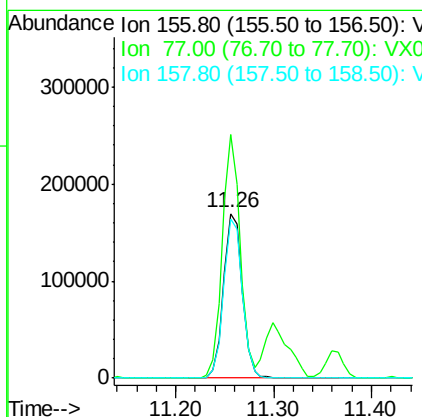
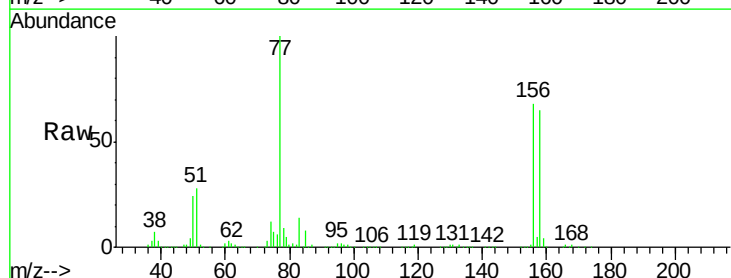
Tgt Ion: 156 Resp: 225139

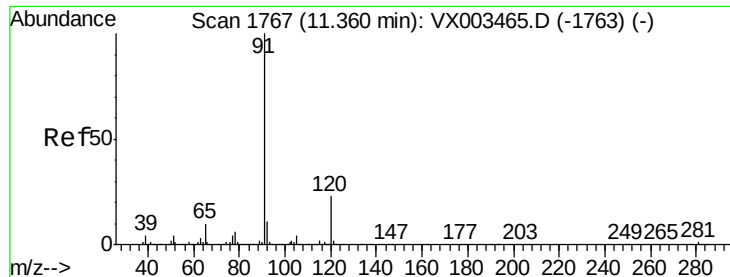
Ion Ratio Lower Upper

156 100

77 140.8 71.4 214.2

158 96.8 48.9 146.6





#78

n-propylbenzene

Concen: 51.92 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

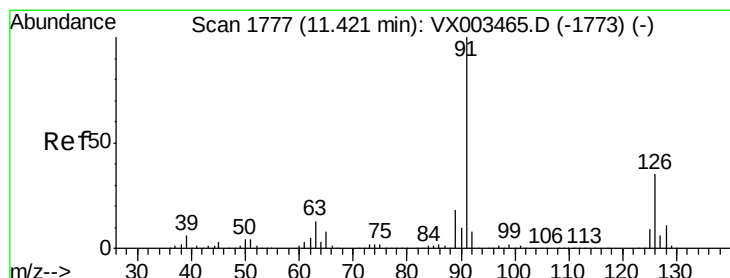
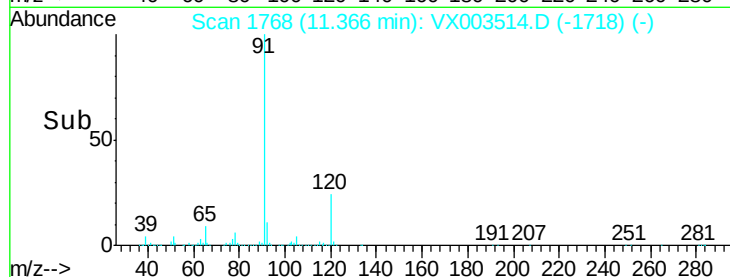
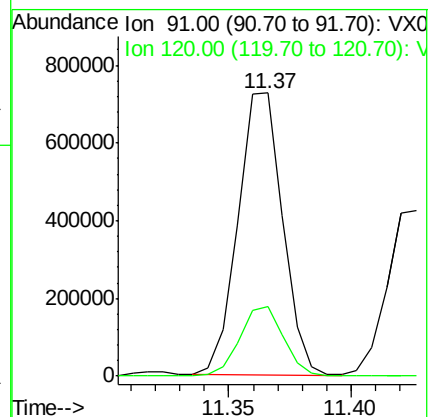
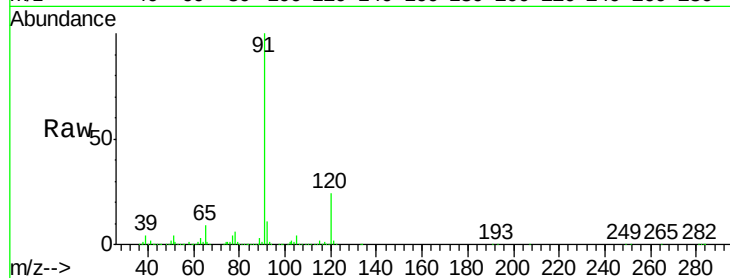
LF1-0034MSD

Tot Ion: 91 Resp: 925906

Ion Ratio Lower Upper

91 100

120 24.1 11.8 35.4



#79

2-Chlorotoluene

Concen: 51.24 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003514.D

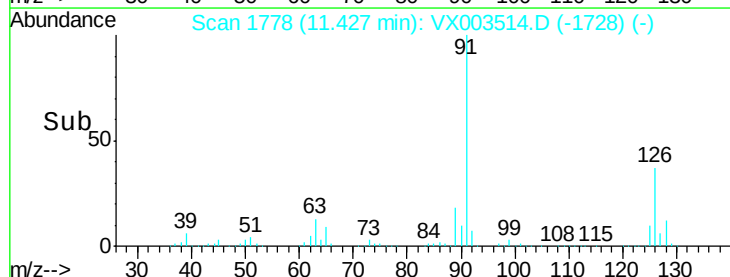
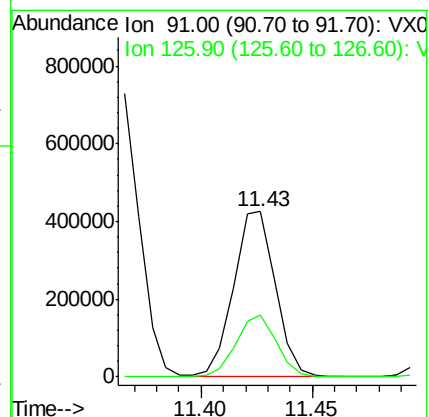
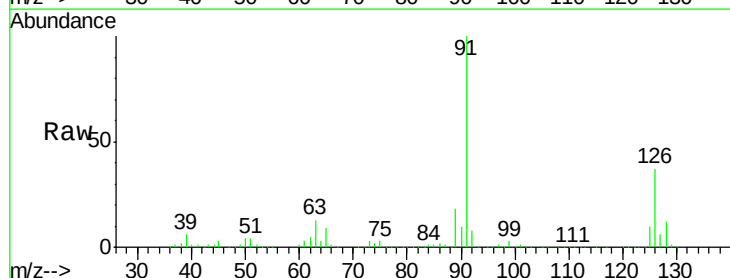
Acq: 20 Jul 2018 17:25

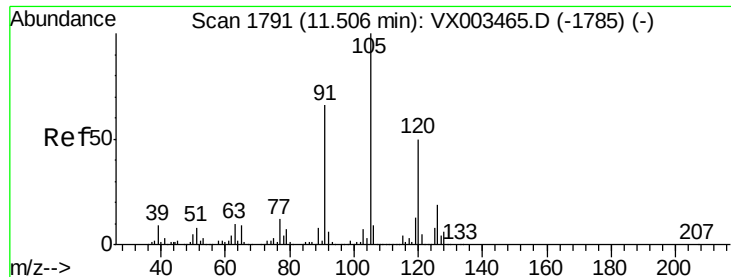
Tgt Ion: 91 Resp: 554779

Ion Ratio Lower Upper

91 100

126 36.2 17.7 53.1





#80

1,3,5-Trimethylbenzene

Concen: 52.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

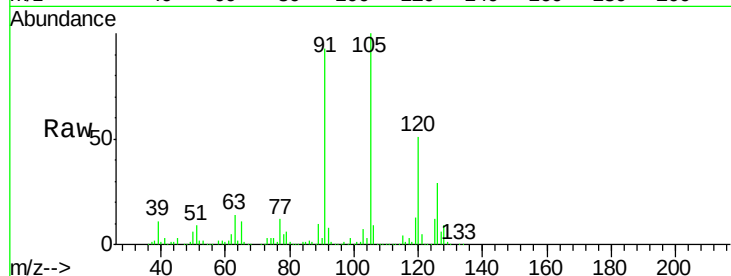
LF1-0034MSD

Tot Ion:105 Resp: 687380

Ion Ratio Lower Upper

105 100

120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

600000

500000

400000

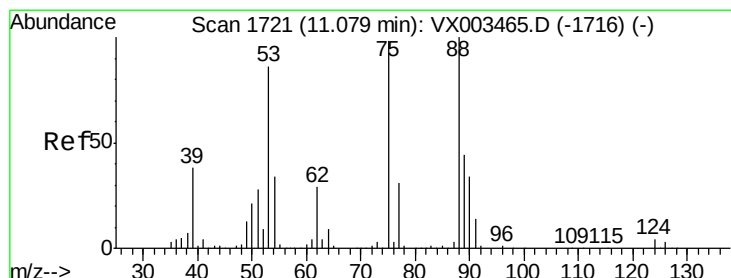
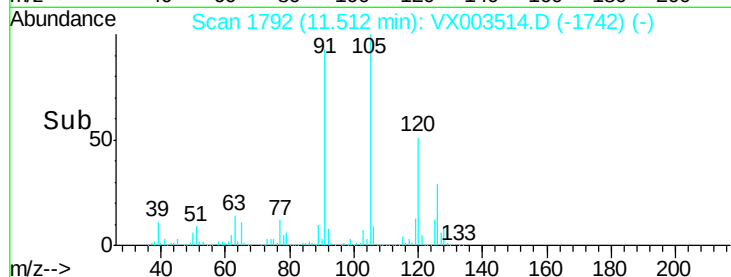
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.11 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

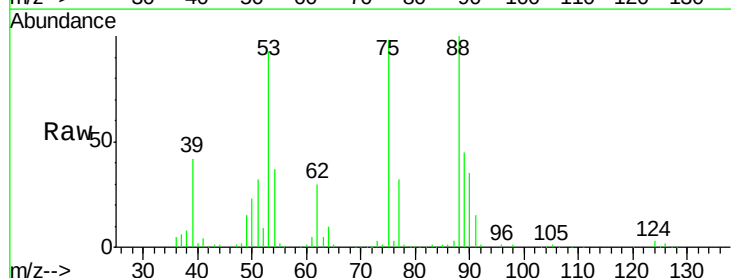
Tgt Ion: 75 Resp: 70462

Ion Ratio Lower Upper

75 100

53 95.5 86.8 130.2

89 46.5 38.2 57.2



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

120000

100000

80000

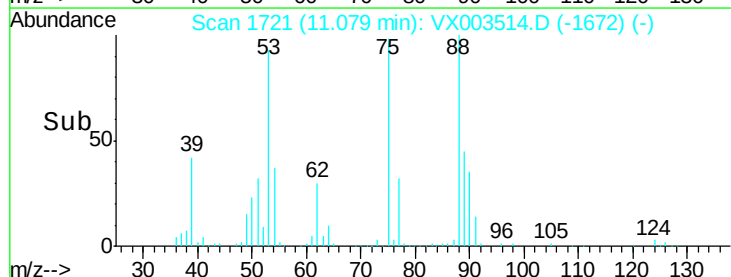
60000

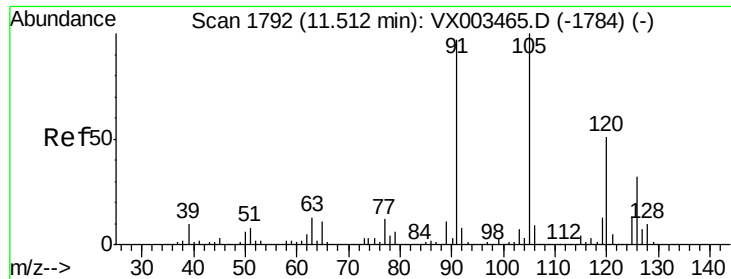
40000

20000

0

Time-->

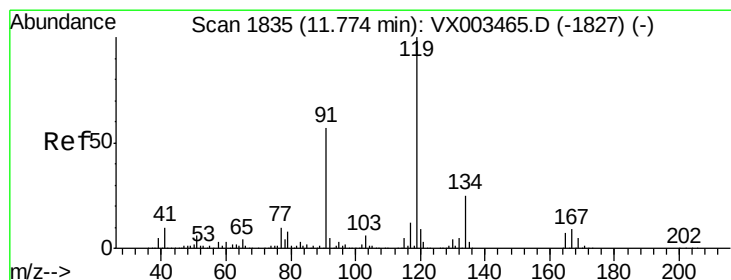
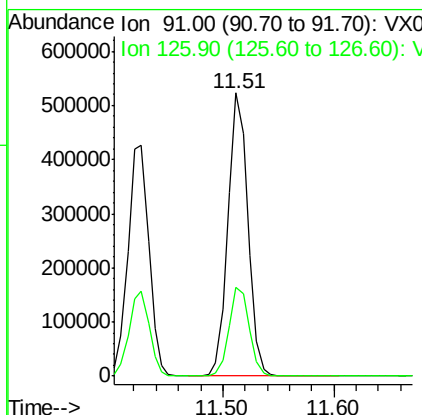
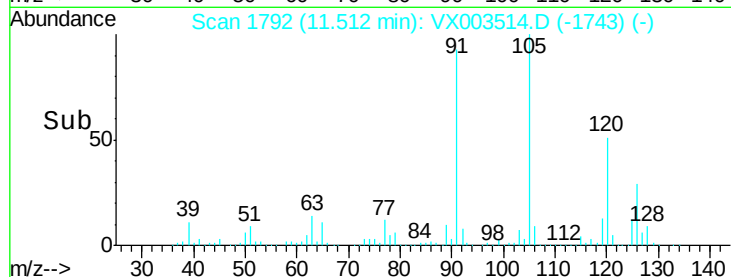
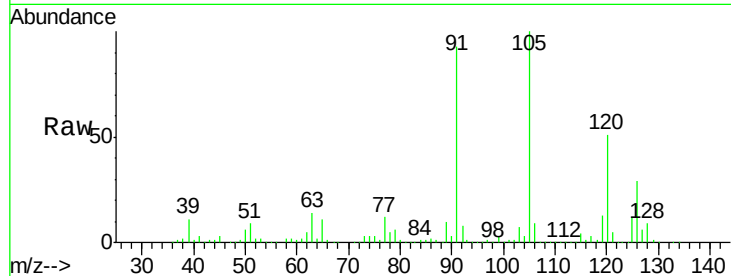




#82
4-Chlorotoluene
Concen: 51.19 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

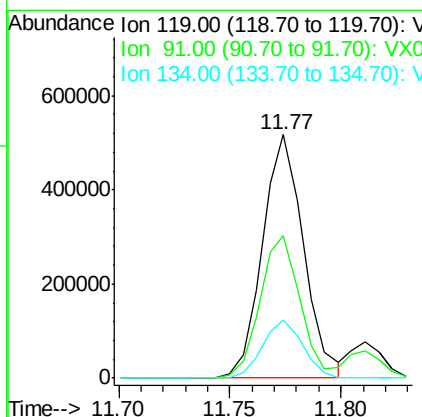
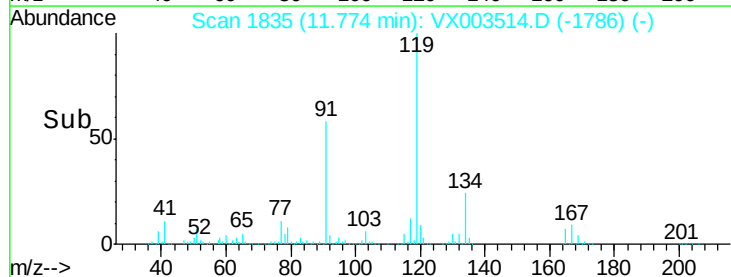
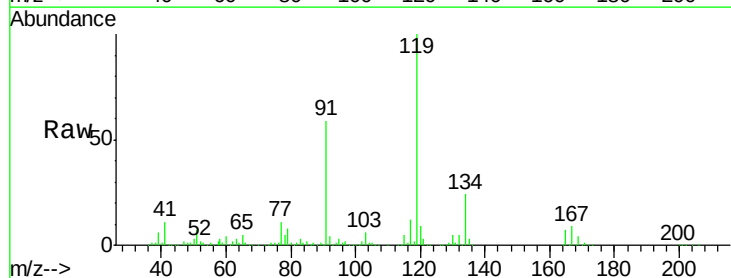
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

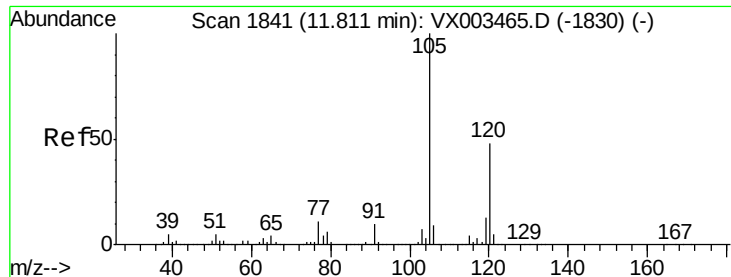
Tot Ion: 91 Resp: 649355
Ion Ratio Lower Upper
91 100
126 31.9 15.4 46.4



#83
tert-Butylbenzene
Concen: 51.21 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003514.D
Acq: 20 Jul 2018 17:25

Tgt Ion: 119 Resp: 661196
Ion Ratio Lower Upper
119 100
91 56.5 30.3 90.9
134 23.4 11.7 35.1

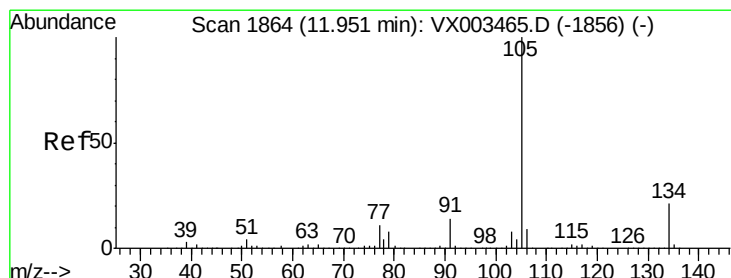
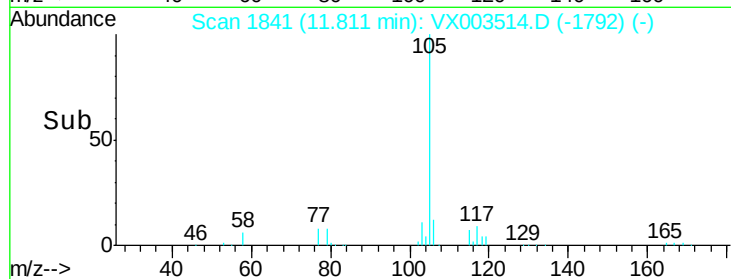
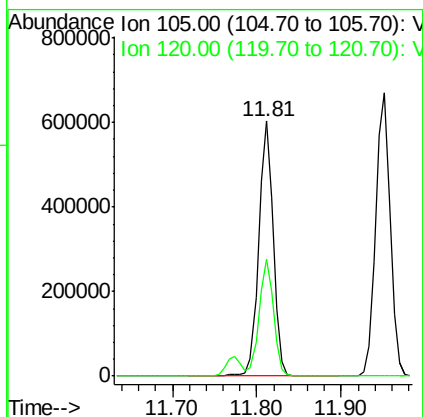
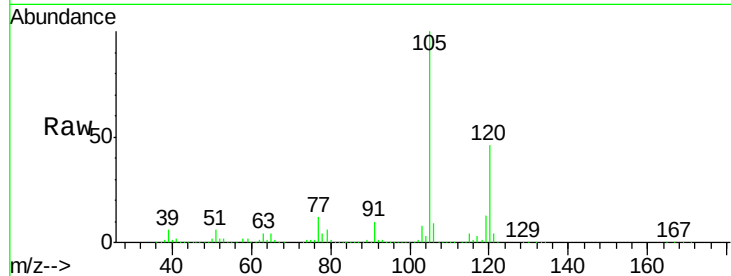




#84
 1,2,4-Trimethylbenzene
 Concen: 52.82 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

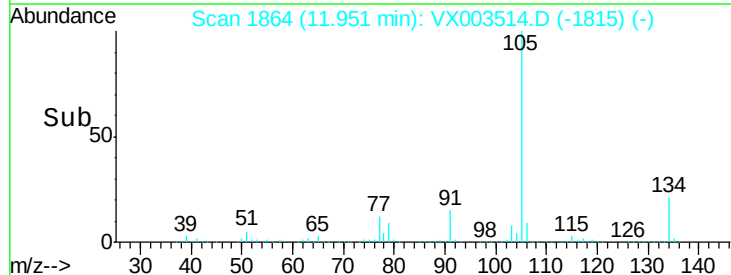
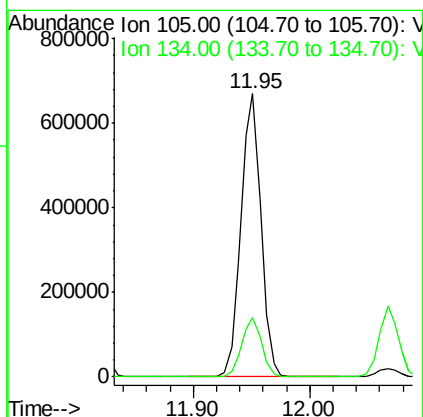
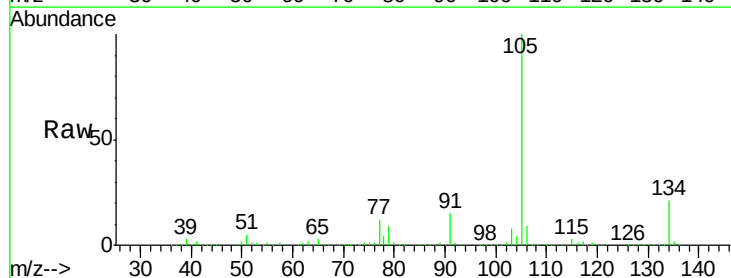
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

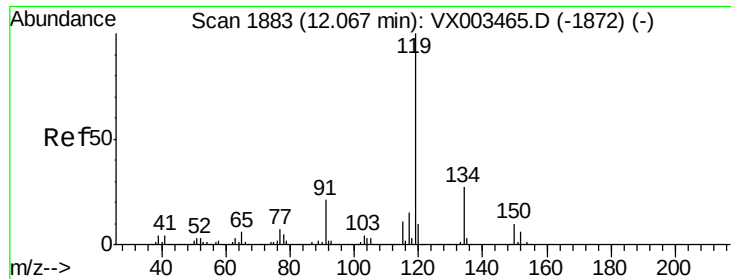
Tot Ion:105 Resp: 708591
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 51.30 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Tgt Ion:105 Resp: 804535
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1





#86

p-Isopropyltoluene

Concen: 51.38 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

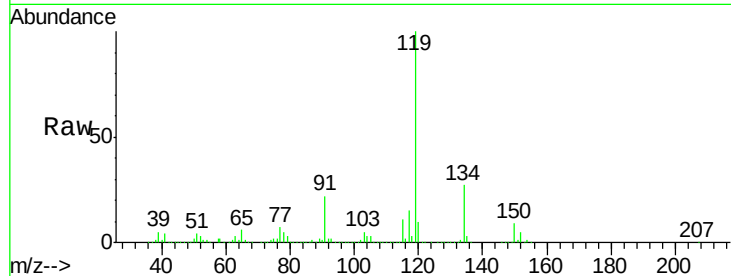
Tot Ion:119 Resp: 723209

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

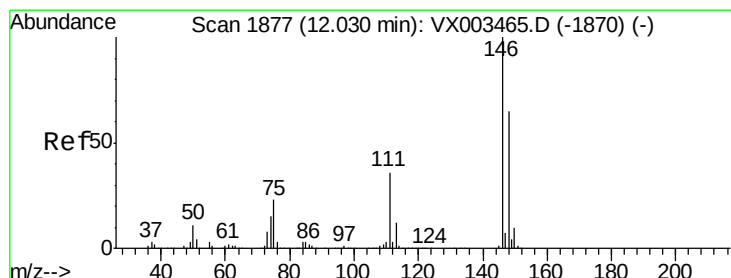
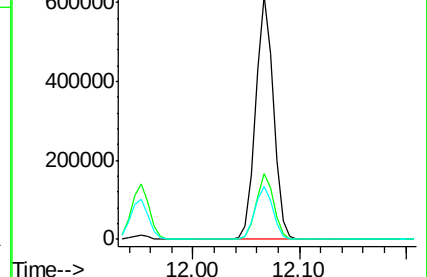
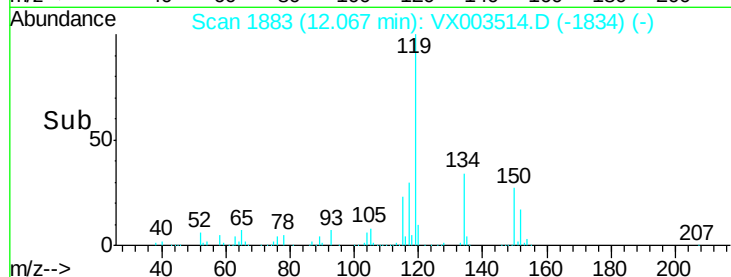
91 22.1 11.9 35.7



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): V



#87

1,3-Dichlorobenzene

Concen: 48.36 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

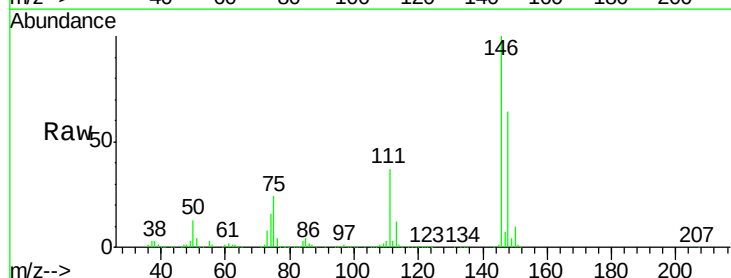
Tgt Ion:146 Resp: 410173

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

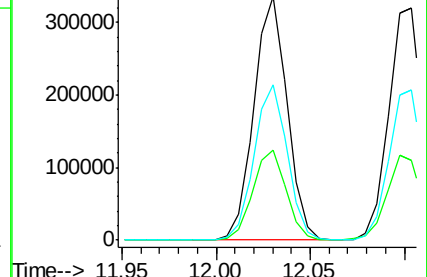
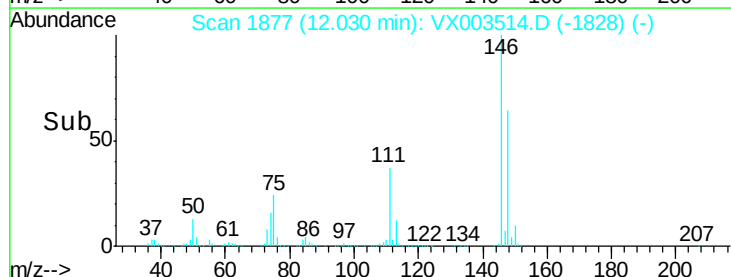
148 63.8 32.1 96.3

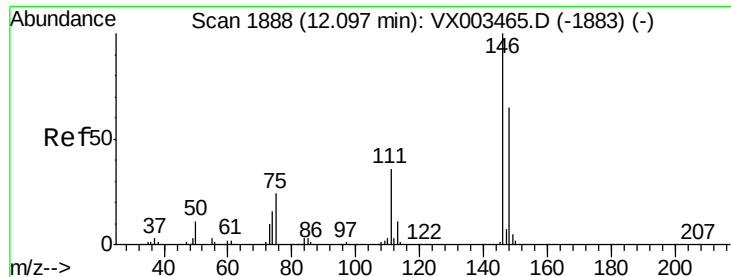


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 47.17 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

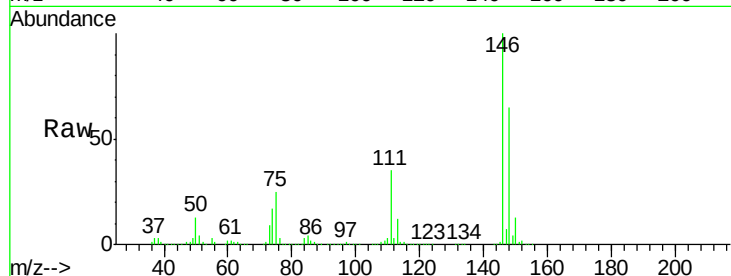
Tot Ion:146 Resp: 412157

Ion Ratio Lower Upper

146 100

111 36.5 18.7 56.1

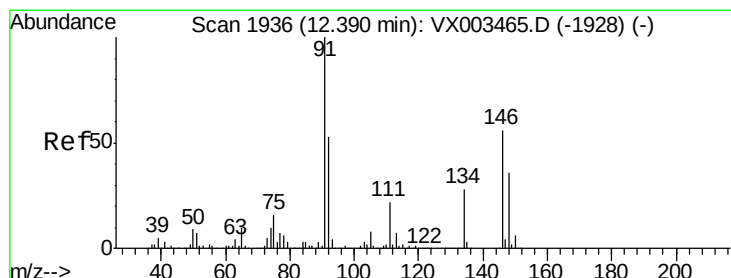
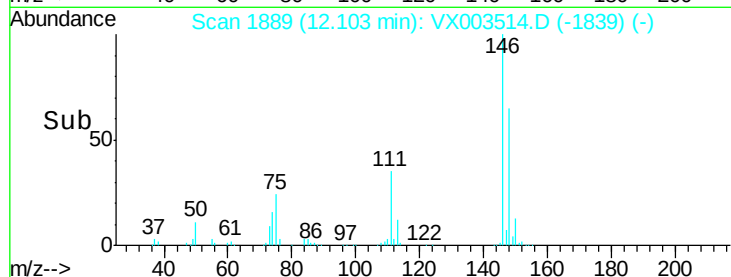
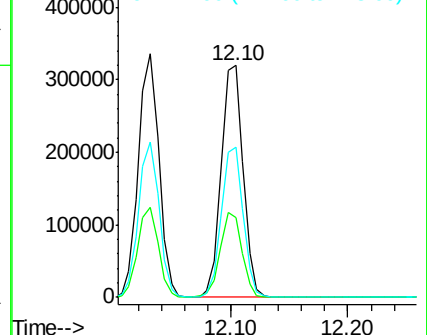
148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 51.57 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

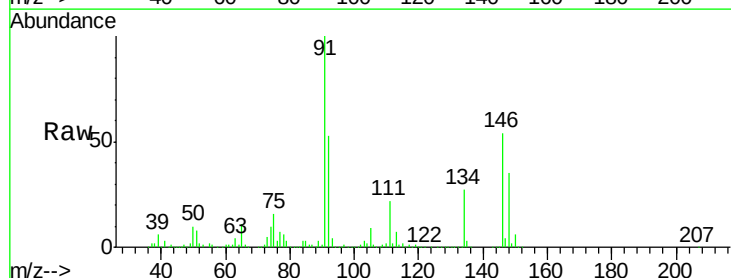
Tgt Ion: 91 Resp: 616402

Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

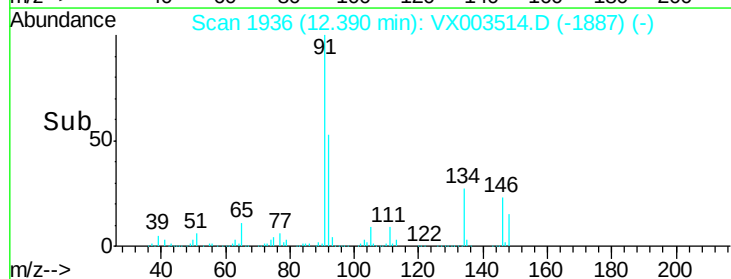
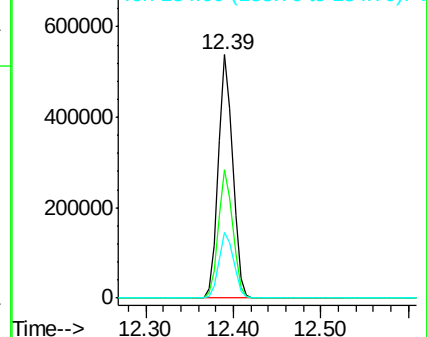
134 27.5 13.5 40.5

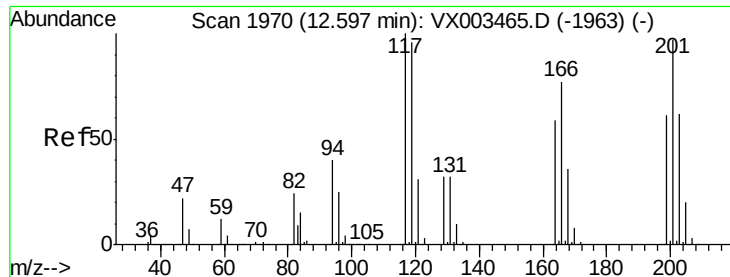


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 51.78 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

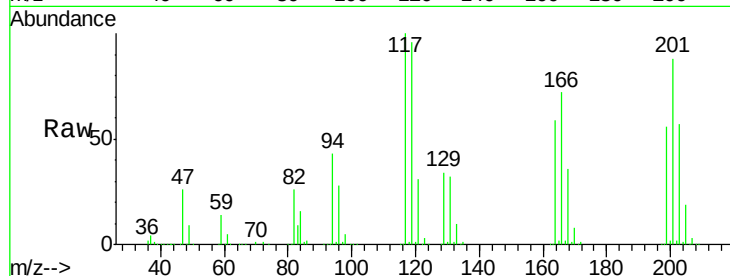
LF1-0034MSD

Tot Ion:117 Resp: 103603

Ion Ratio Lower Upper

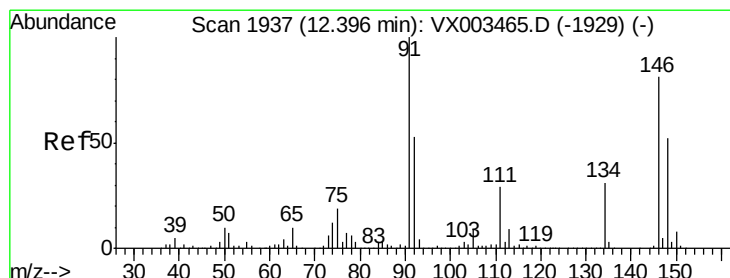
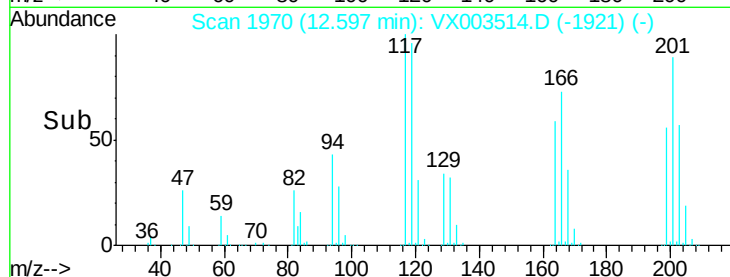
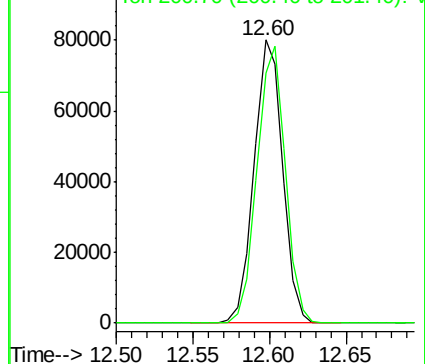
117 100

201 97.4 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.39 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

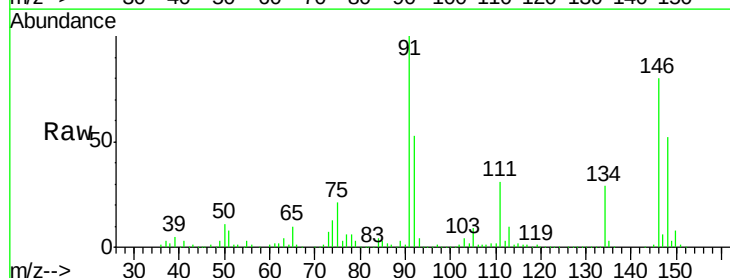
Tgt Ion:146 Resp: 421250

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

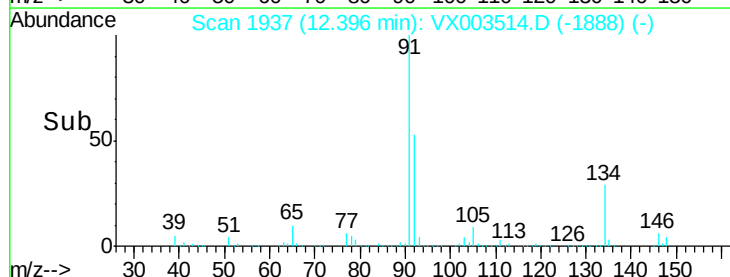
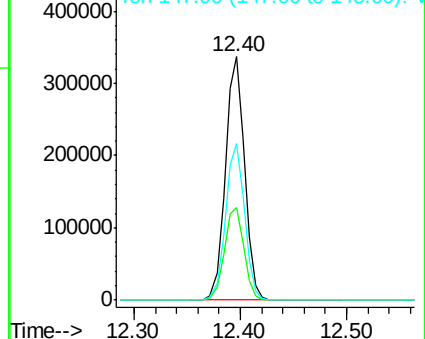
148 64.1 31.7 95.1

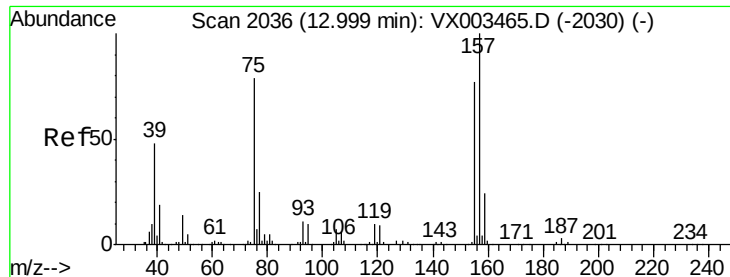


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.67 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

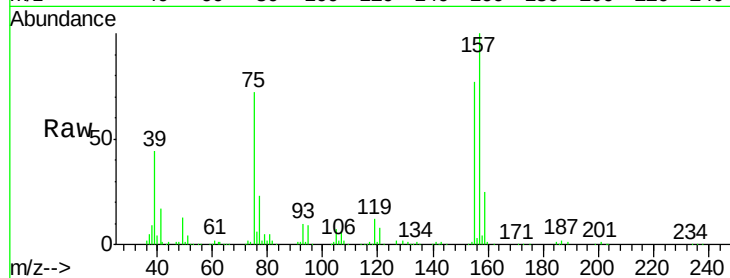
Tot Ion: 75 Resp: 51852

Ion Ratio Lower Upper

75 100

155 101.8 45.8 137.4

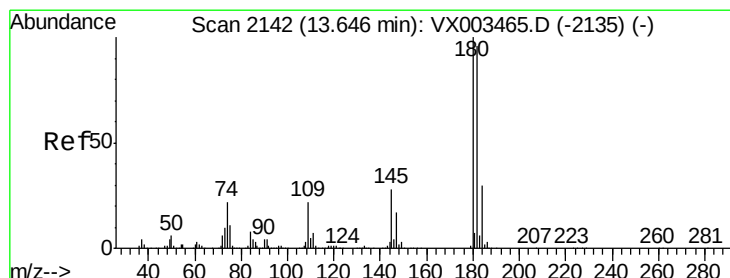
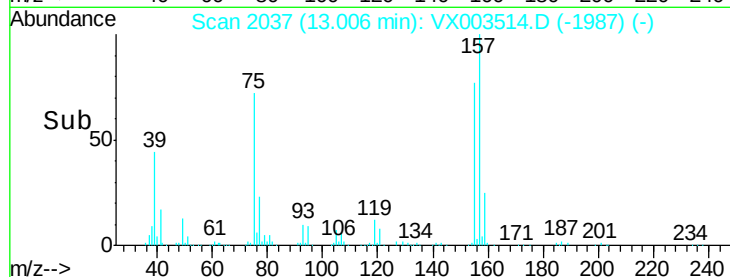
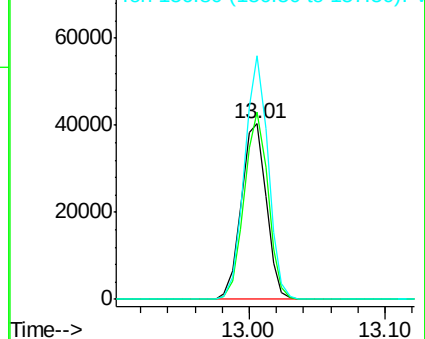
157 130.5 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 48.00 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

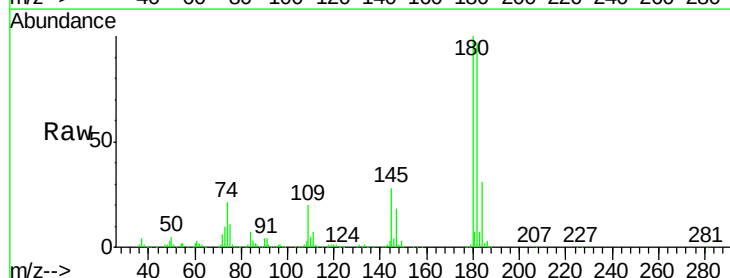
Tgt Ion:180 Resp: 294067

Ion Ratio Lower Upper

180 100

182 95.7 47.7 143.1

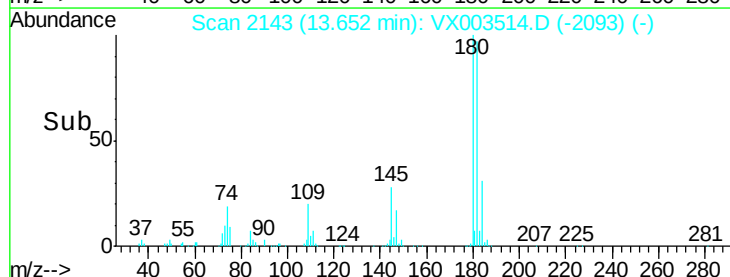
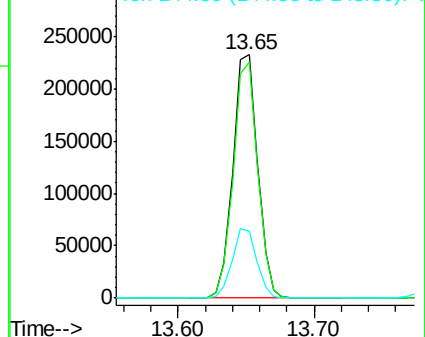
145 28.2 14.1 42.4

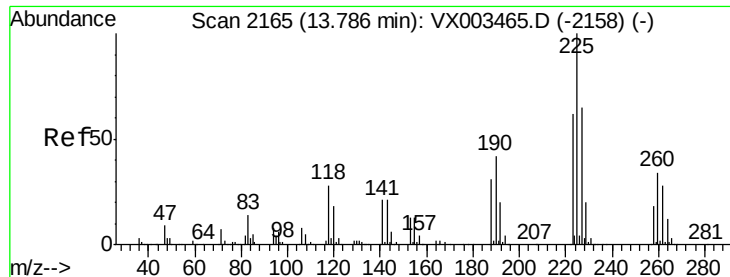


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 45.82 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

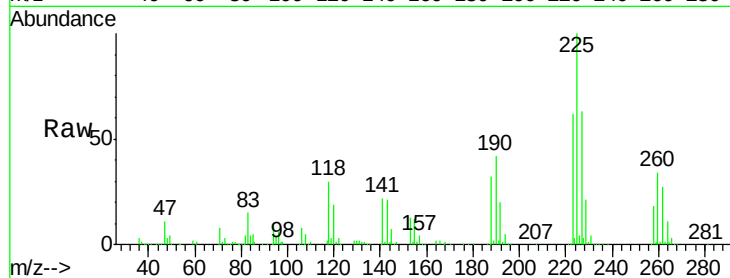
Tot Ion:225 Resp: 135002

Ion Ratio Lower Upper

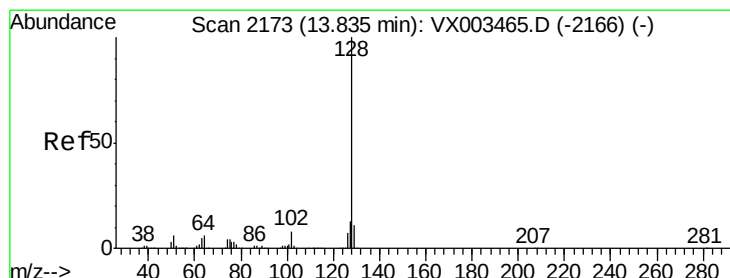
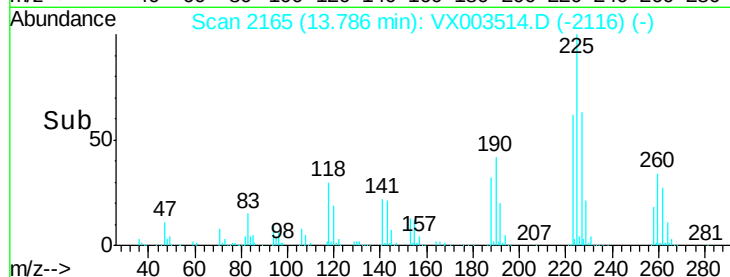
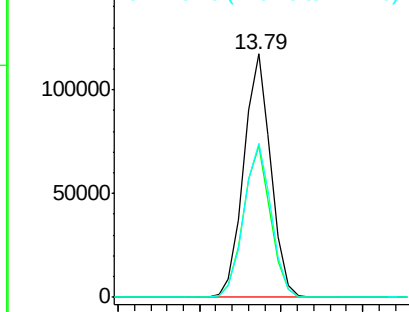
225 100

223 62.0 31.6 95.0

227 64.1 32.4 97.2



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: 53.60 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003514.D

Acq: 20 Jul 2018 17:25

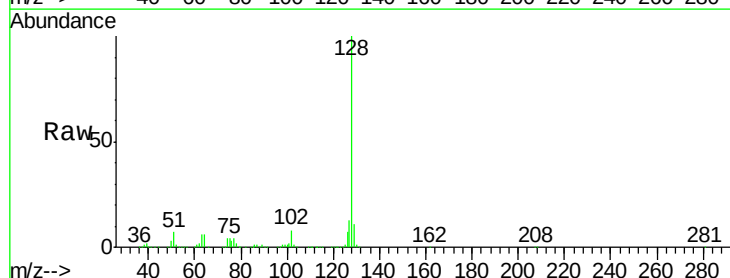
Tgt Ion:128 Resp: 862984

Ion Ratio Lower Upper

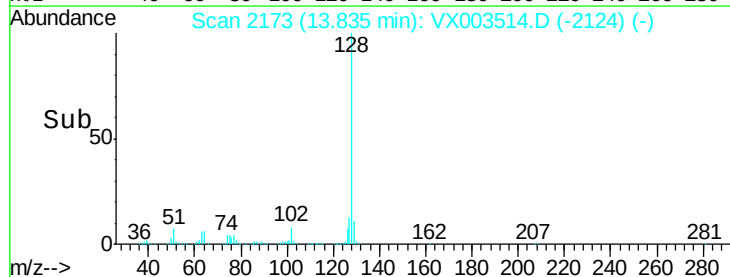
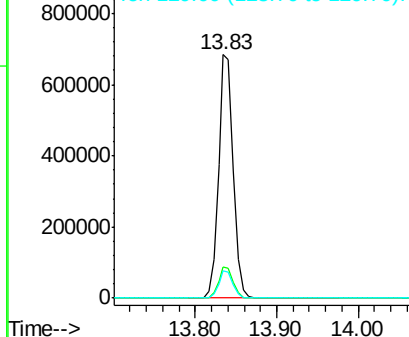
128 100

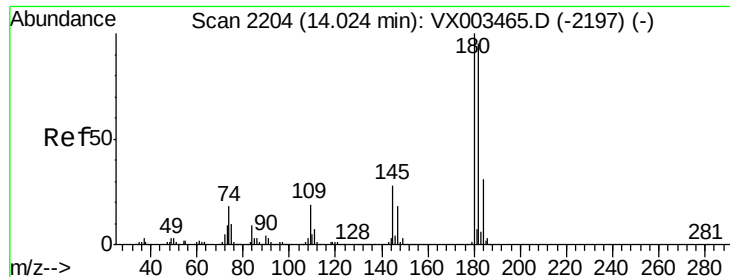
127 12.7 10.4 15.6

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

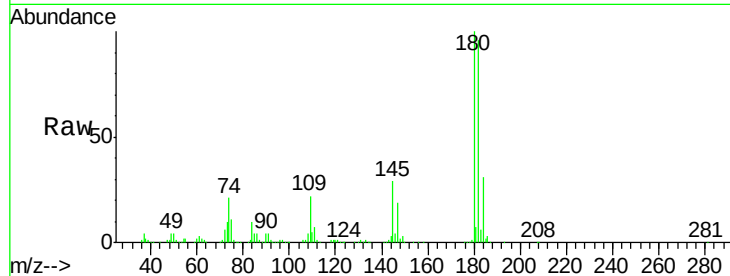




#96
 1,2,3-Trichlorobenzene
 Concen: 48.92 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003514.D
 Acq: 20 Jul 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.0
145	29.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

