

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003747.D
 Acq On : 31 Jul 2018 14:03
 Operator : JC/SP
 Sample : VX0731SBS01
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Quant Time: Jul 31 14:32:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	86617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	122846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	108405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	60186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	40813	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	36022	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	150509	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.14	95	52657	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	15950	21.82	ug/l	97
3) Chloromethane	1.32	50	19136	20.82	ug/l	97
4) Vinyl Chloride	1.40	62	20774	21.02	ug/l	# 89
5) Bromomethane	1.64	94	14919	26.75	ug/l	97
6) Chloroethane	1.71	64	14354	21.96	ug/l	96
7) Trichlorofluoromethane	1.92	101	27484	21.20	ug/l	96
8) Diethyl Ether	2.19	74	8717	17.79	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	17128	20.83	ug/l	97
10) Methyl Iodide	2.51	142	15390	16.28	ug/l	97
11) Tert butyl alcohol	3.08	59	14215	100.21	ug/l	98
12) 1,1-Dichloroethene	2.37	96	15434	19.94	ug/l	94
13) Acrolein	2.29	56	6173	133.01	ug/l	93
14) Allyl chloride	2.73	41	29531	21.52	ug/l	96
15) Acrylonitrile	3.15	53	35786	99.20	ug/l	100
16) Acetone	2.45	43	38653	115.51	ug/l	97
17) Carbon Disulfide	2.56	76	49336	19.59	ug/l	98
18) Methyl Acetate	2.78	43	18333	19.50	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	38284	18.17	ug/l	98
20) Methylene Chloride	2.86	84	18631	19.18	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	16610	19.58	ug/l	98
22) Diisopropyl ether	3.87	45	46899	18.93	ug/l	96
23) Vinyl Acetate	3.82	43	165039	92.36	ug/l	100
24) 1,1-Dichloroethane	3.70	63	29380	20.33	ug/l	97
25) 2-Butanone	4.70	43	49896	102.29	ug/l	98
26) 2,2-Dichloropropane	4.59	77	23107	20.31	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	17442	19.08	ug/l	95
28) Bromochloromethane	5.02	49	12328	19.02	ug/l	95
29) Tetrahydrofuran	5.15	42	31546	101.48	ug/l	96
30) Chloroform	5.22	83	28124	19.75	ug/l	90
31) Cyclohexane	5.58	56	28318	20.29	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	25422	20.78	ug/l	97
36) 1,1-Dichloropropene	5.80	75	23649	20.56	ug/l	100
37) Ethyl Acetate	4.85	43	17332	19.61	ug/l	99
38) Carbon Tetrachloride	5.79	117	22057	20.73	ug/l	98

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 Misc : 5.00G/5.0mL/MSVOA X/SOIL
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Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Quant Time: Jul 31 14:32:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	28611	20.26	ug/l	96
40) Benzene	6.14	78	65461	19.86	ug/l	97
41) Methacrylonitrile	5.06	41	9776	19.63	ug/l	98
42) 1,2-Dichloroethane	6.20	62	19982	20.07	ug/l	96
43) Isopropyl Acetate	6.46	43	26231	18.63	ug/l	97
44) Trichloroethene	7.21	130	18155	19.30	ug/l	99
45) 1,2-Dichloropropane	7.52	63	16194	19.97	ug/l	98
46) Dibromomethane	7.67	93	8819	18.88	ug/l	93
47) Bromodichloromethane	7.90	83	17933	19.26	ug/l	97
48) Methyl methacrylate	7.78	41	13362	18.92	ug/l	95
49) 1,4-Dioxane	7.75	88	5904	414.17	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	82831	95.72	ug/l	97
52) Toluene	8.79	92	41344	20.10	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	19320	18.17	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	22521	19.00	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	13190	18.64	ug/l	97
56) Ethyl methacrylate	9.18	69	16824	17.31	ug/l	94
57) 1,3-Dichloropropane	9.37	76	22606	19.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	38656	85.84	ug/l	98
59) 2-Hexanone	9.50	43	65108	98.76	ug/l	96
60) Dibromochloromethane	9.59	129	12553	17.61	ug/l	99
61) 1,2-Dibromoethane	9.67	107	13254	18.34	ug/l	99
64) Tetrachloroethene	9.34	164	17116	20.09	ug/l	98
65) Chlorobenzene	10.14	112	45499	20.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	14199	19.22	ug/l	100
67) Ethyl Benzene	10.26	91	79011	20.66	ug/l	100
68) m/p-Xylenes	10.36	106	60410	40.37	ug/l	97
69) o-Xylene	10.70	106	27721	19.95	ug/l	97
70) Styrene	10.71	104	45685	19.55	ug/l	98
71) Bromoform	10.86	173	8570	16.87	ug/l #	99
73) Isopropylbenzene	11.02	105	79513	21.10	ug/l	99
74) N-amyl acetate	6.46	43	26231	19.64	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	18436	18.82	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	20797	25.07	ug/l	82
77) Bromobenzene	11.26	156	19568	19.92	ug/l	97
78) n-propylbenzene	11.36	91	96580	21.16	ug/l	100
79) 2-Chlorotoluene	11.42	91	54212	20.92	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	67033	20.84	ug/l #	70
81) trans-1,4-Dichloro-2-buten	11.08	75	4877	17.41	ug/l	89
82) 4-Chlorotoluene	11.51	91	65471	20.83	ug/l	99
83) tert-Butylbenzene	11.77	119	64288	20.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	67833	20.49	ug/l	99
85) sec-Butylbenzene	11.94	105	85035	20.90	ug/l	100
86) p-Isopropyltoluene	12.07	119	75626	20.45	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	39254	19.75	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	40020	19.74	ug/l	99
89) n-Butylbenzene	12.39	91	74114	21.05	ug/l	98
90) Hexachloroethane	12.60	117	10817	19.70	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	36392	19.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3788	19.49	ug/l	92

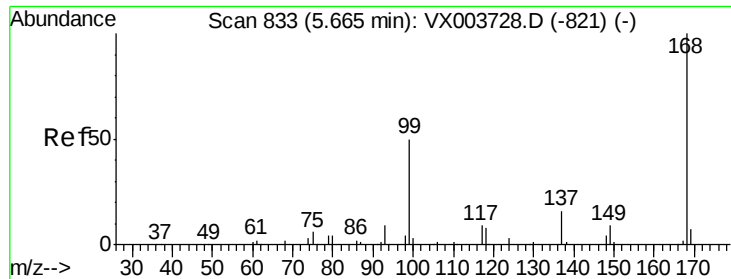
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003747.D
Acq On : 31 Jul 2018 14:03
Operator : JC/SP
Sample : VX0731SBSD01
Misc : 5.00G/5.0mL/MSVOA X/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBSD01

Quant Time: Jul 31 14:32:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	27003	18.40	ug/l	100
94) Hexachlorobutadiene	13.79	225	18428	19.63	ug/l	99
95) Naphthalene	13.83	128	56847	18.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	24546	18.42	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: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

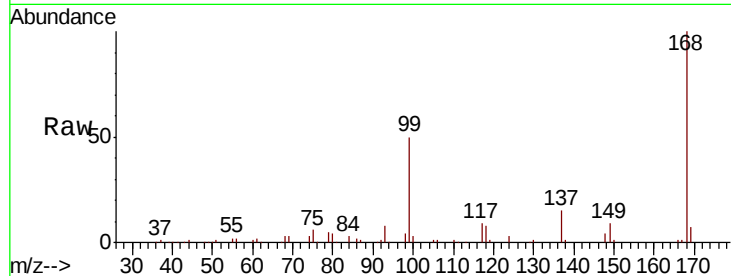
VX0731SBS01

Tot Ion:168 Resp: 86617

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VX003728.D (-821) (-)

Ion 98.90 (98.60 to 99.60): VX003728.D (-821) (-)

5.67

30000

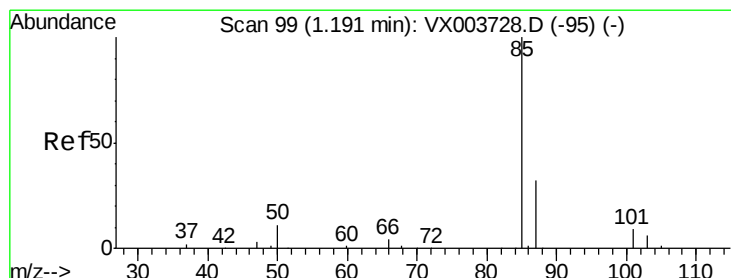
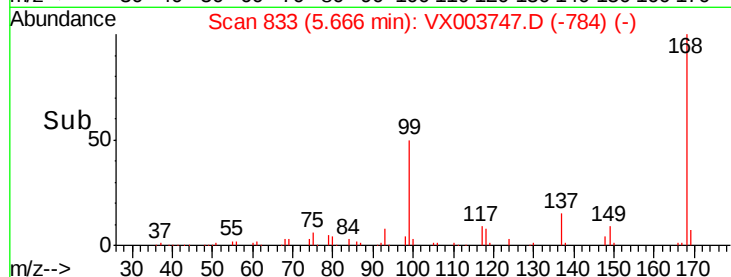
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.82 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003747.D

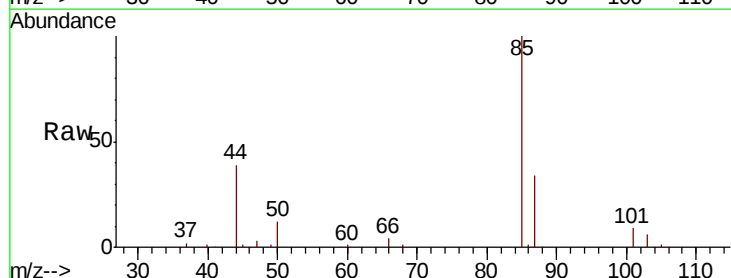
Acq: 31 Jul 2018 14:03

Tgt Ion: 85 Resp: 15950

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX003728.D (-95) (-)

Ion 86.90 (86.60 to 87.60): VX003728.D (-95) (-)

1.19

15000

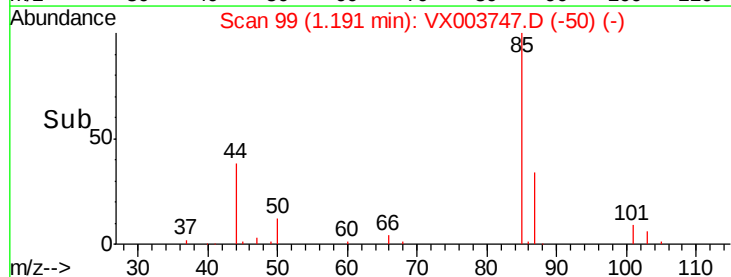
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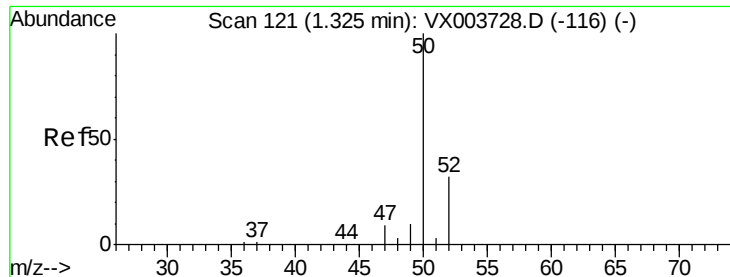
5000

0

1.15 1.20 1.25 1.30

Time-->

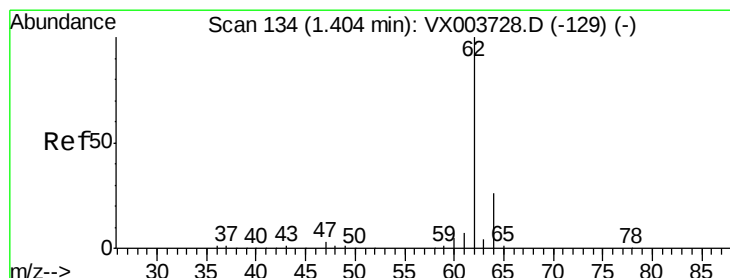
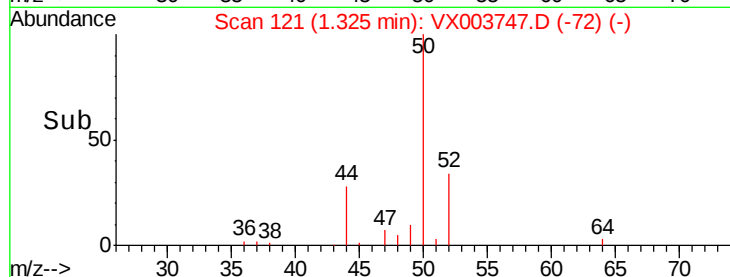
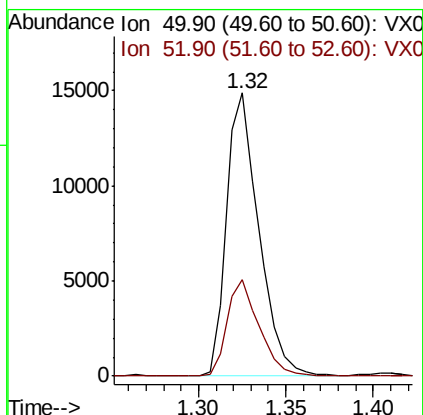
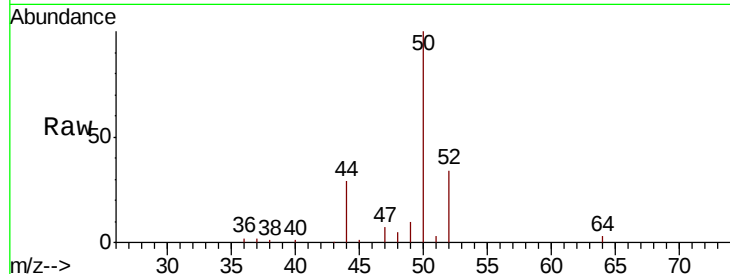




#3
Chloromethane
Concen: 20.82 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

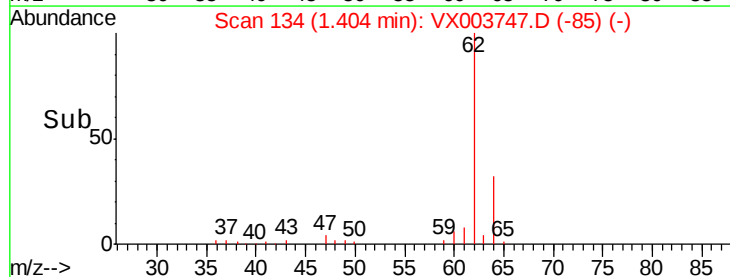
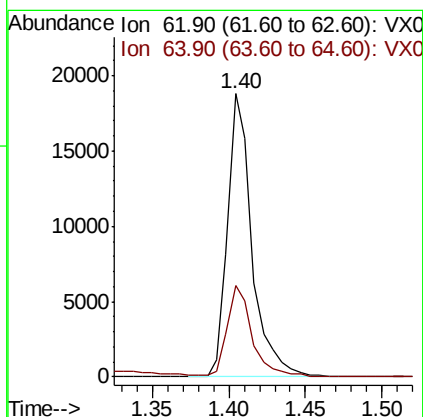
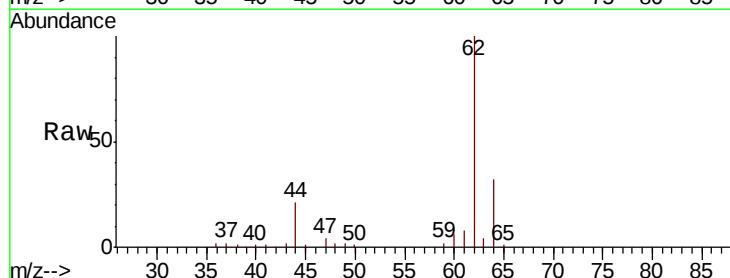
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

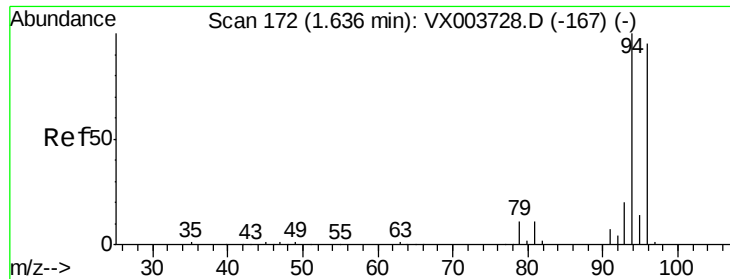
Tot Ion: 50 Resp: 19136
Ion Ratio Lower Upper
50 100
52 34.1 25.9 38.9



#4
Vinyl Chloride
Concen: 21.02 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 62 Resp: 20774
Ion Ratio Lower Upper
62 100
64 32.1 21.0 31.4#





#5

Bromomethane

Concen: 26.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

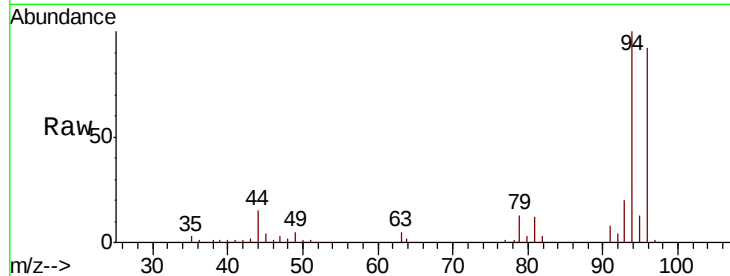
VX0731SBS01

Tot Ion: 94 Resp: 14919

Ion Ratio Lower Upper

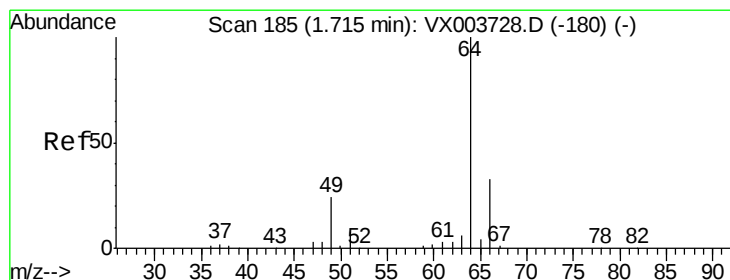
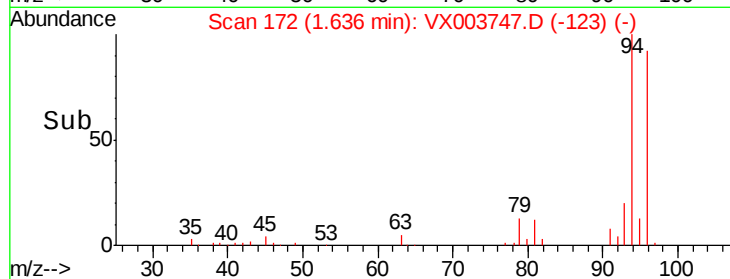
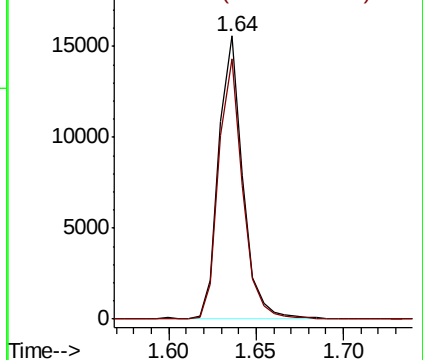
94 100

96 92.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.96 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.00 min

Lab File: VX003747.D

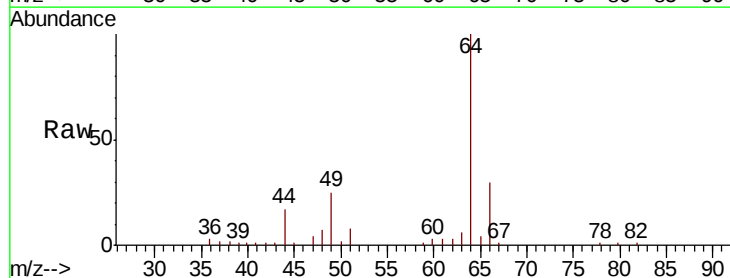
Acq: 31 Jul 2018 14:03

Tgt Ion: 64 Resp: 14354

Ion Ratio Lower Upper

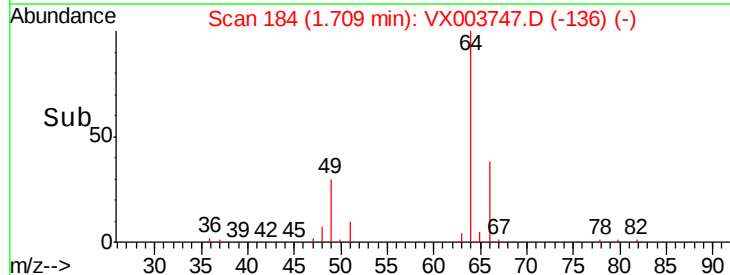
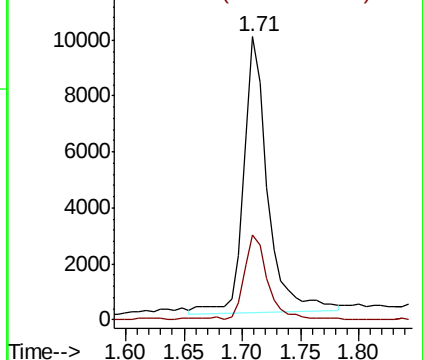
64 100

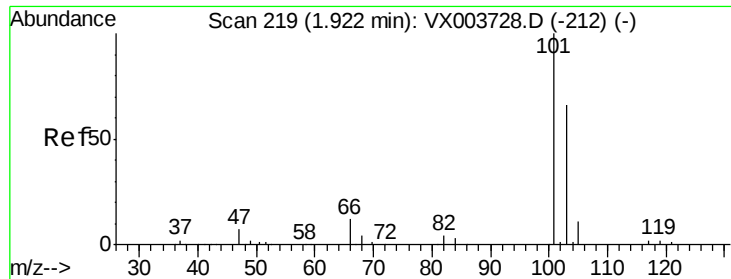
66 30.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



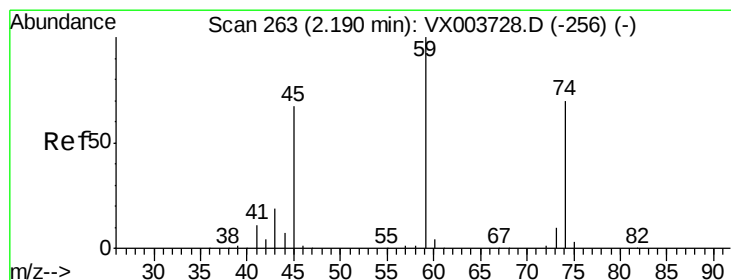
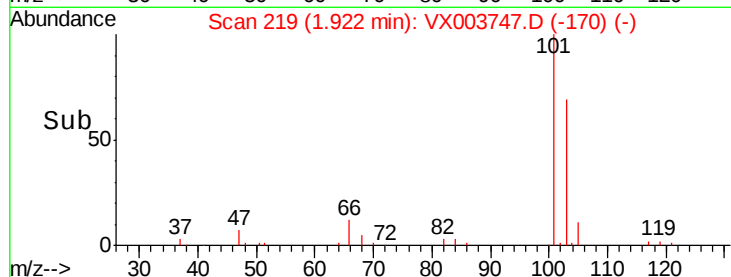
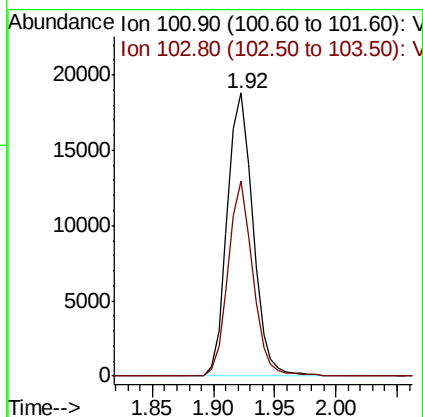
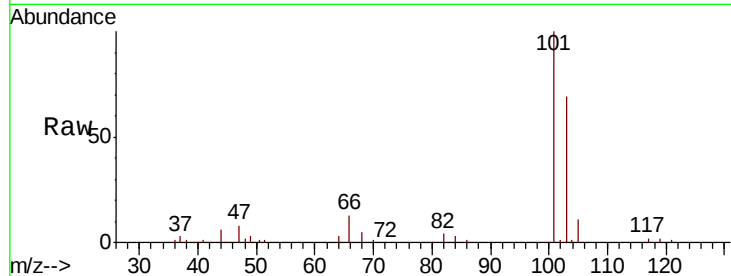


#7

Trichlorofluoromethane
 Concen: 21.20 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

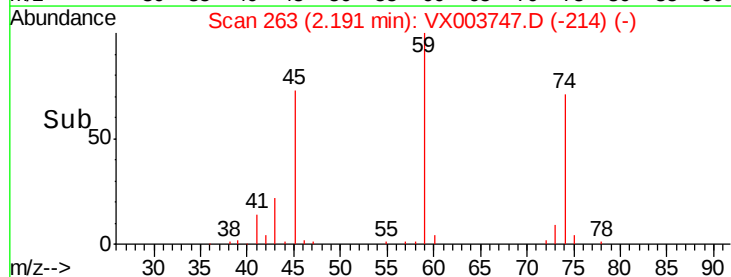
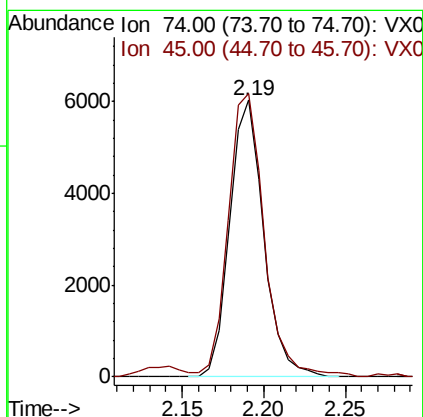
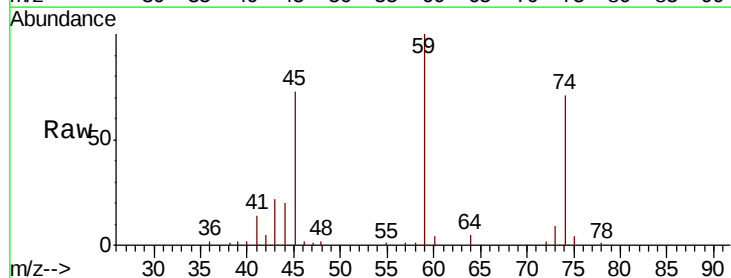
Tot Ion:101 Resp: 27484
 Ion Ratio Lower Upper
 101 100
 103 68.8 52.6 78.8

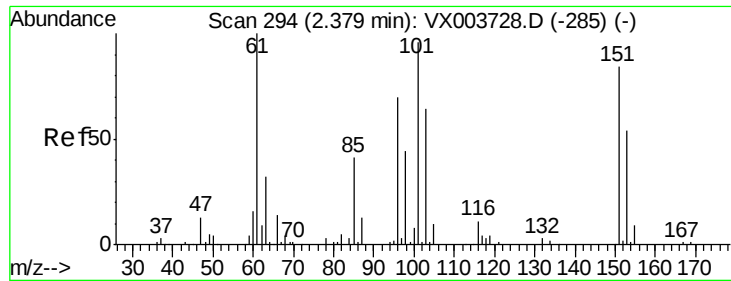


#8

Diethyl Ether
 Concen: 17.79 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 74 Resp: 8717
 Ion Ratio Lower Upper
 74 100
 45 108.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.83 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

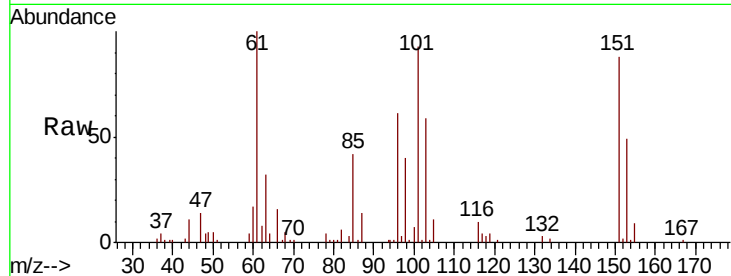
Tot Ion:101 Resp: 17128

Ion Ratio Lower Upper

101 100

85 45.2 33.3 49.9

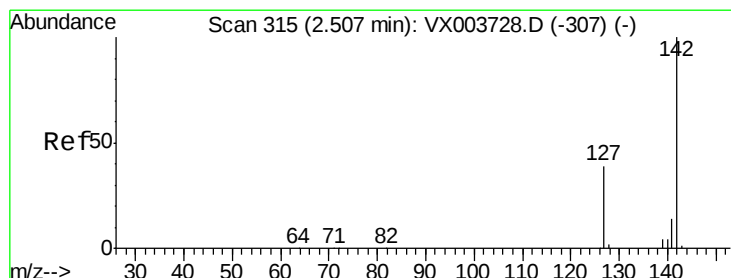
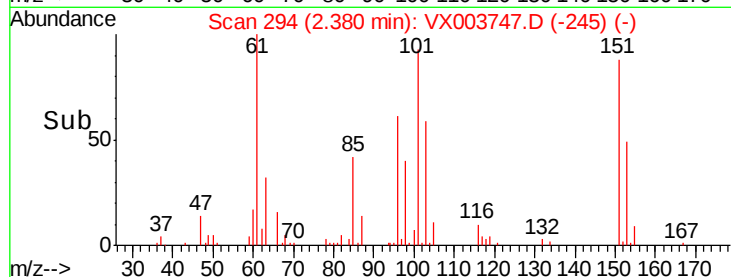
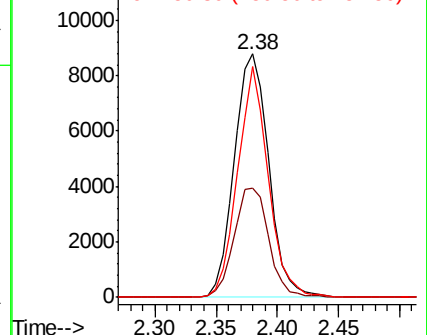
151 84.3 68.8 103.2



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: 16.28 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

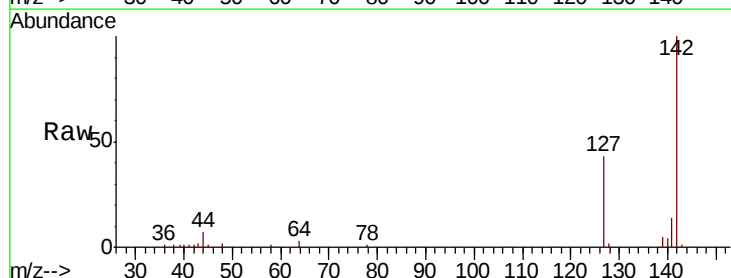
Tgt Ion:142 Resp: 15390

Ion Ratio Lower Upper

142 100

127 42.1 32.0 48.0

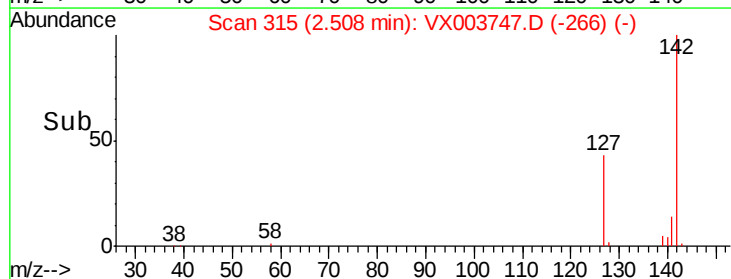
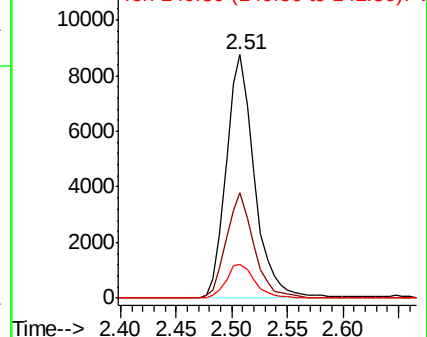
141 14.0 11.3 16.9

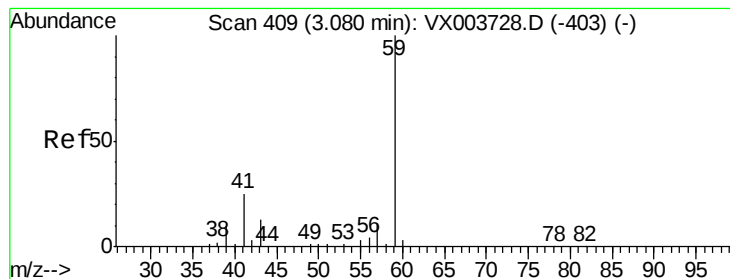


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



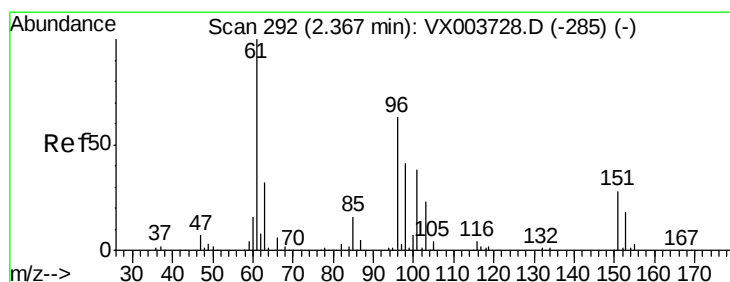
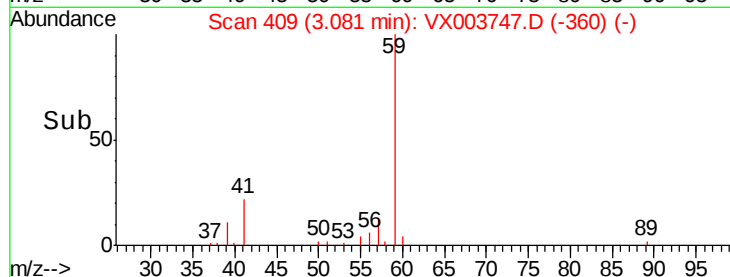
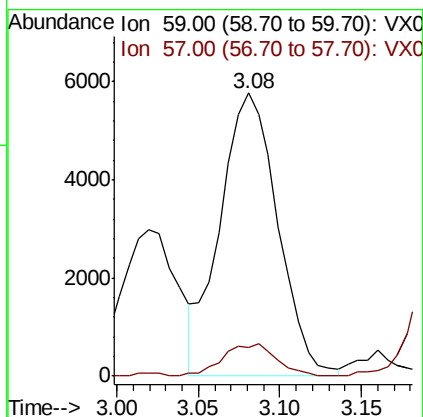
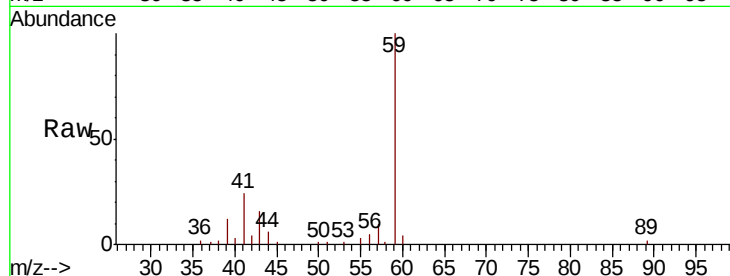


#11

Tert butyl alcohol
 Concen: 100.21 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

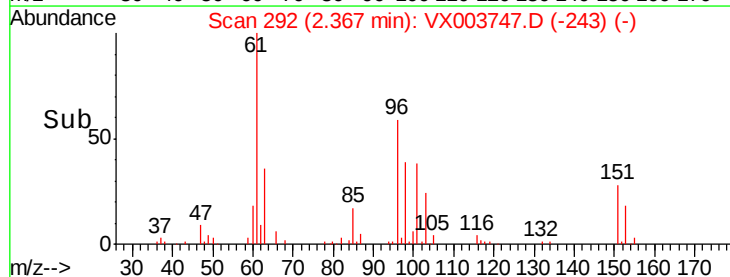
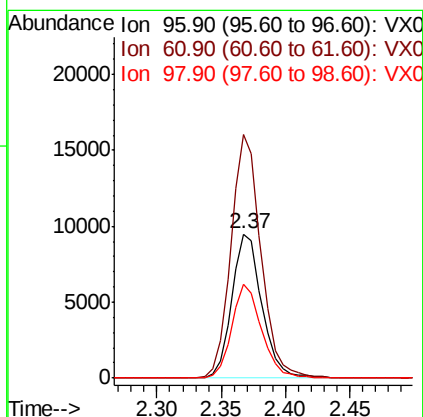
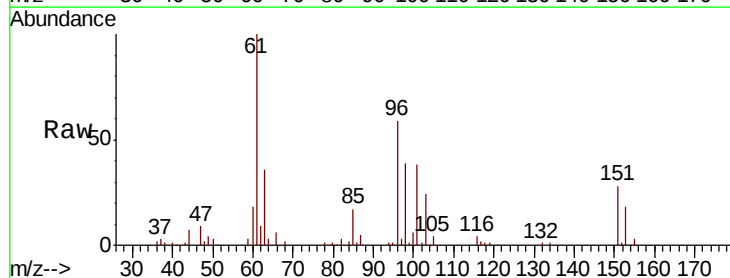
Tot Ion: 59 Resp: 14215
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.1 12.1

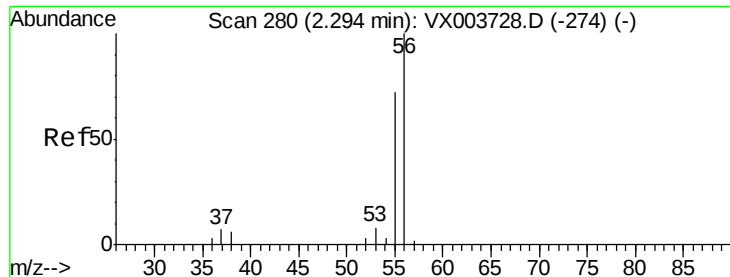


#12

1,1-Dichloroethene
 Concen: 19.94 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 96 Resp: 15434
 Ion Ratio Lower Upper
 96 100
 61 168.8 127.1 190.7
 98 65.5 52.0 78.0





#13

Acrolein

Concen: 133.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

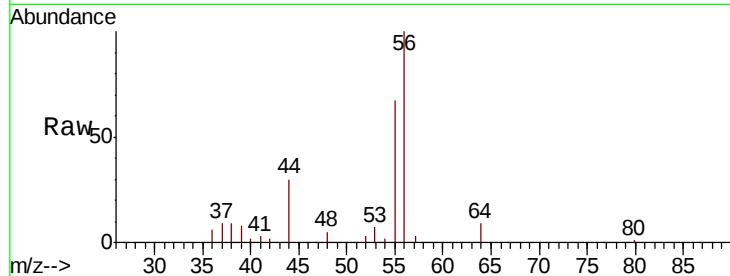
VX0731SBS01

Tot Ion: 56 Resp: 6173

Ion Ratio Lower Upper

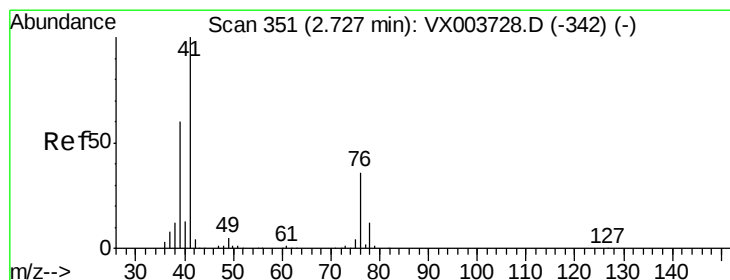
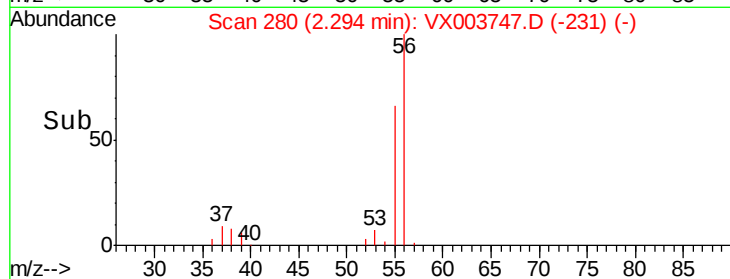
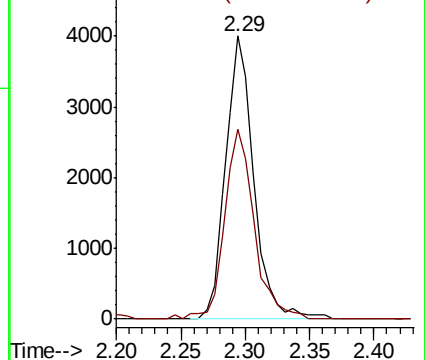
56 100

55 70.5 61.4 92.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.52 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

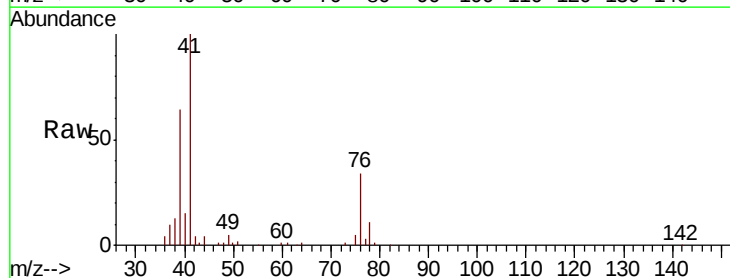
Tgt Ion: 41 Resp: 29531

Ion Ratio Lower Upper

41 100

39 63.4 47.7 71.5

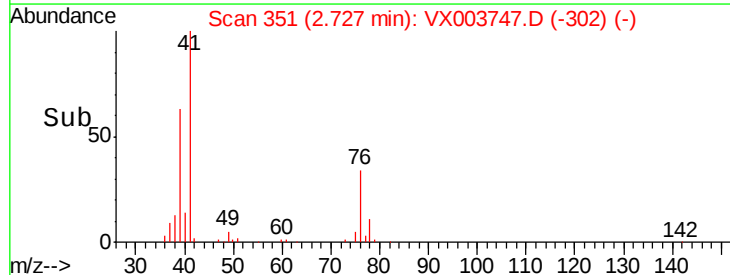
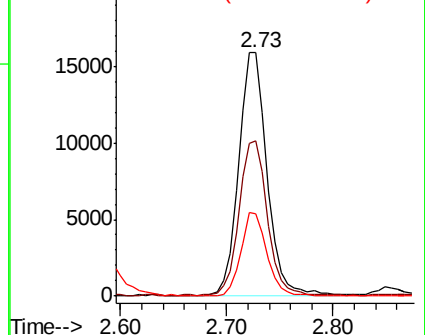
76 32.0 27.0 40.6

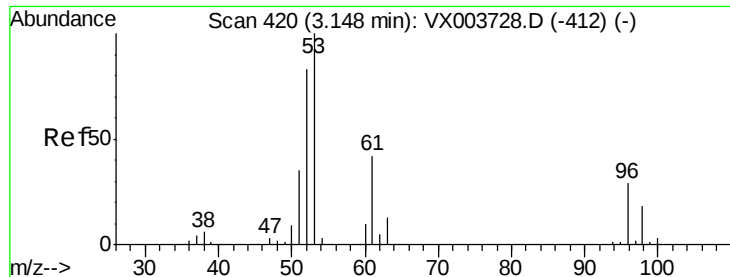


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

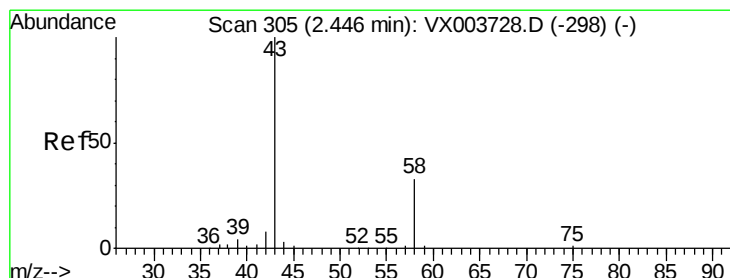
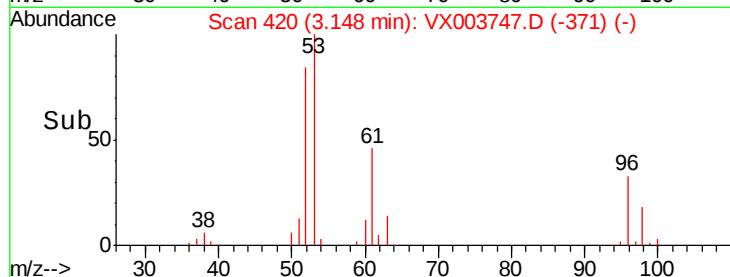
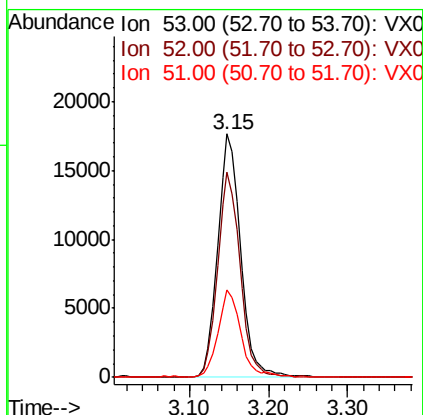
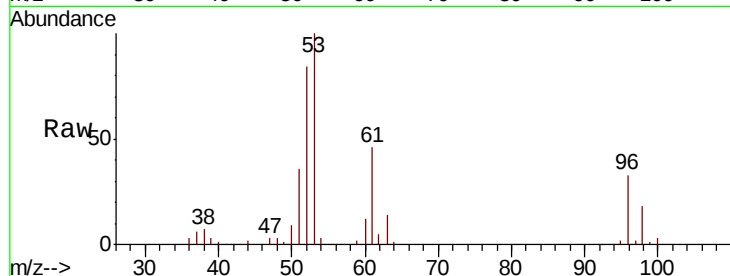




#15
 Acrylonitrile
 Concen: 99.20 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

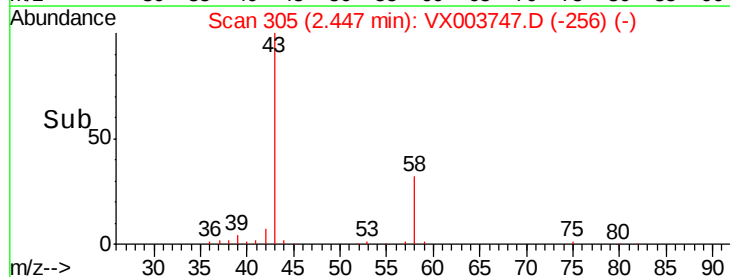
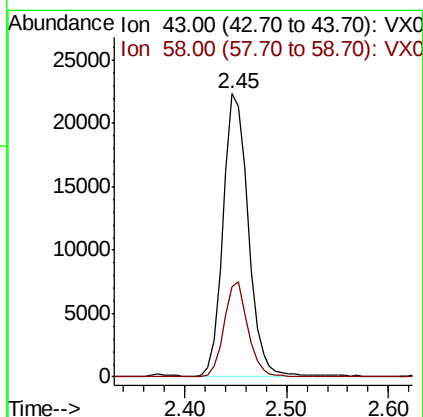
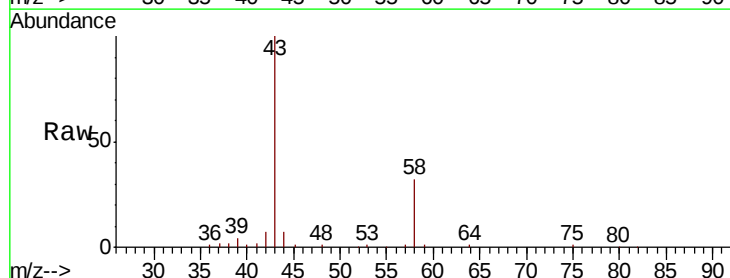
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

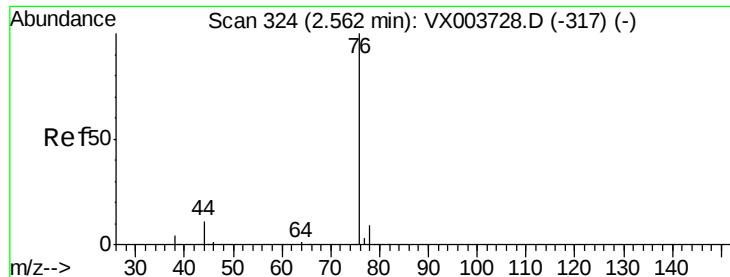
Tot Ion: 53 Resp: 35786
 Ion Ratio Lower Upper
 53 100
 52 82.6 66.2 99.2
 51 35.8 28.5 42.7



#16
 Acetone
 Concen: 115.51 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 43 Resp: 38653
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.7 40.1

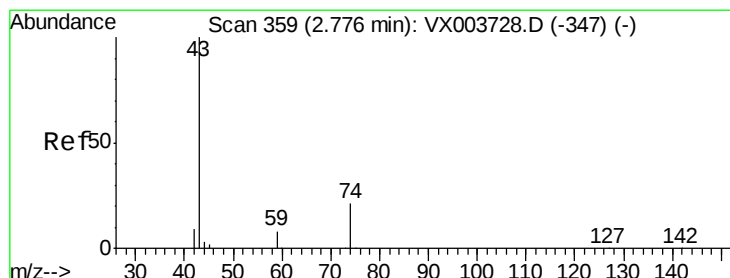
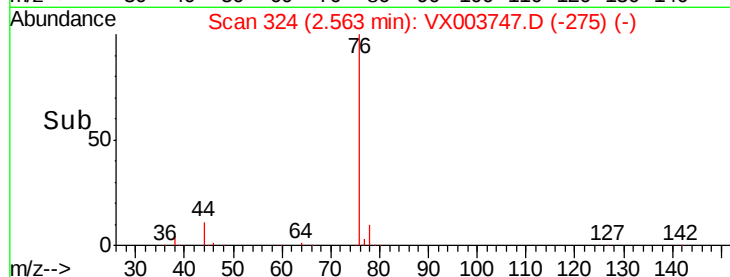
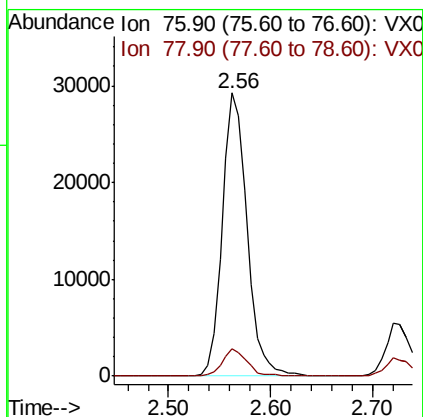
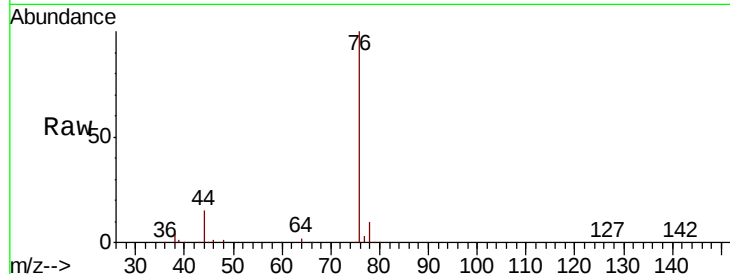




#17
Carbon Disulfide
Concen: 19.59 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

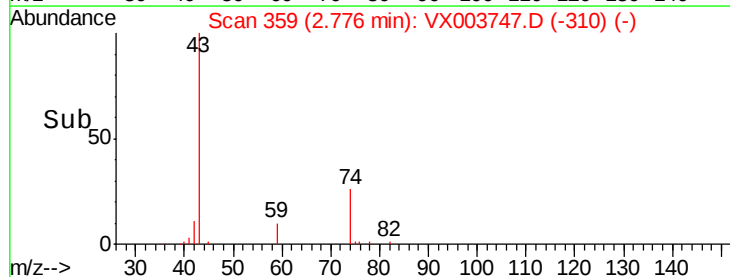
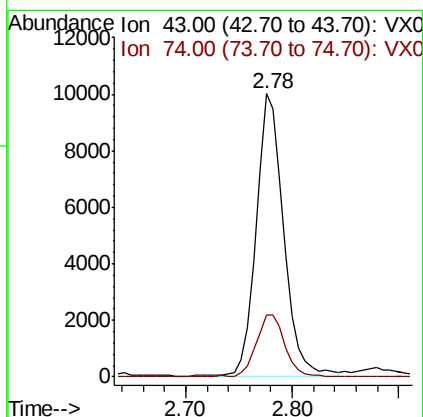
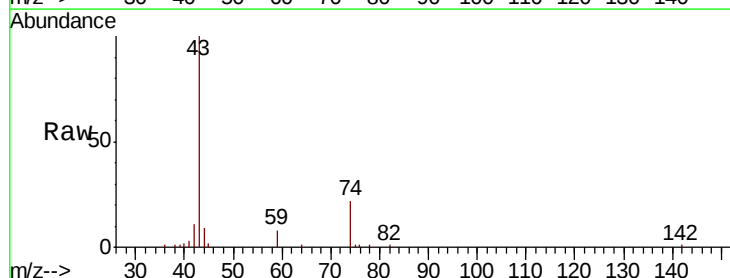
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBSD01

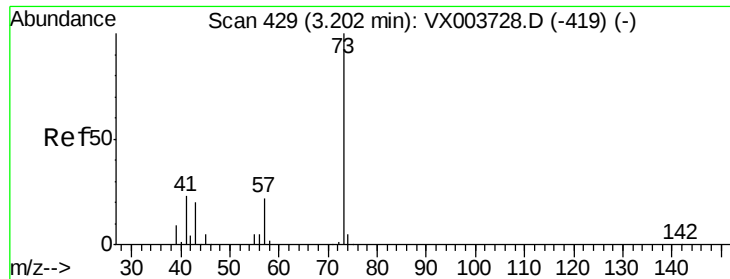
Tot Ion: 76 Resp: 49336
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 19.50 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 43 Resp: 18333
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3

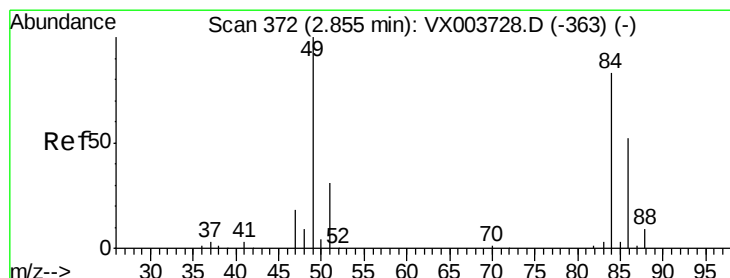
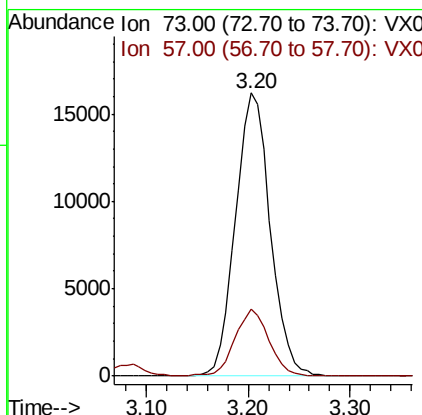
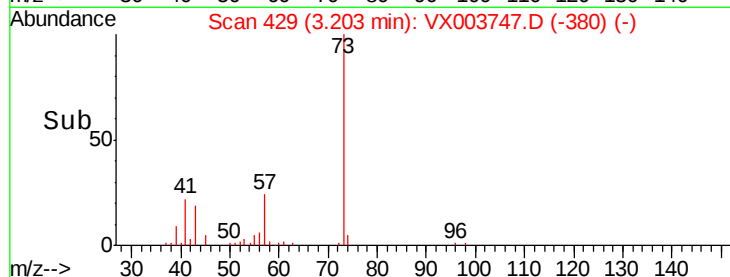
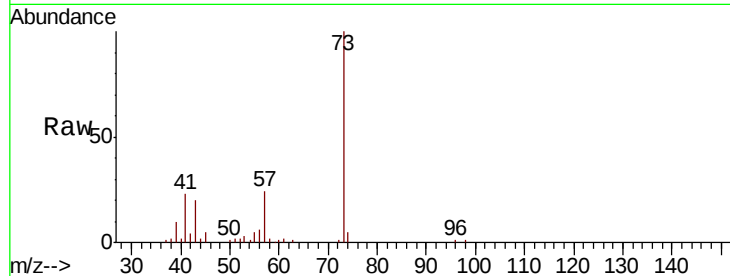




#19
Methvl tert-butvl Ether
Concen: 18.17 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

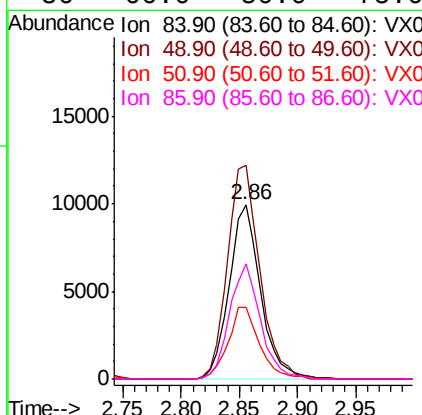
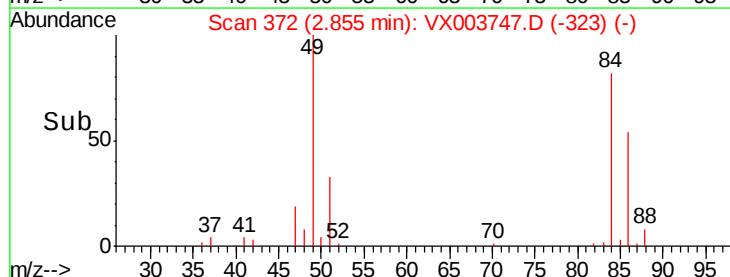
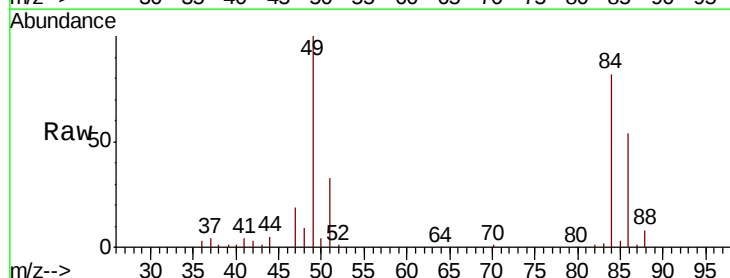
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

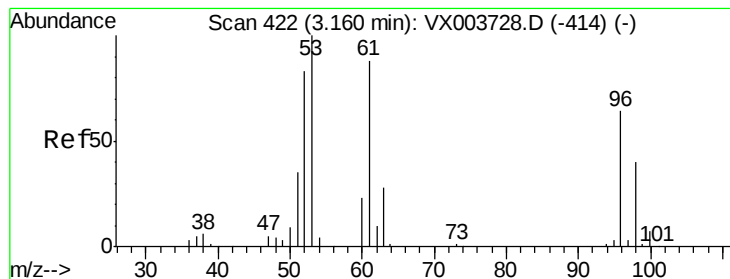
Tot Ion: 73 Resp: 38284
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0



#20
Methylene Chloride
Concen: 19.18 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 84 Resp: 18631
Ion Ratio Lower Upper
84 100
49 122.7 95.8 143.8
51 40.9 29.6 44.4
86 66.0 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.58 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

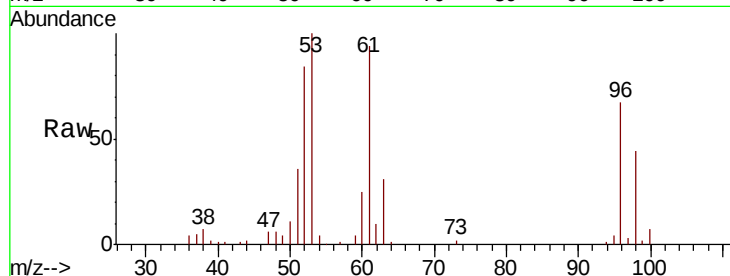
Tot Ion: 96 Resp: 16610

Ion Ratio Lower Upper

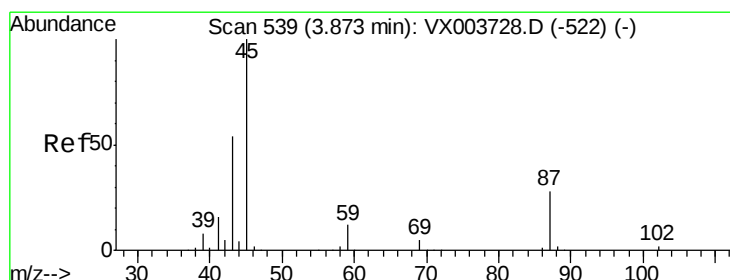
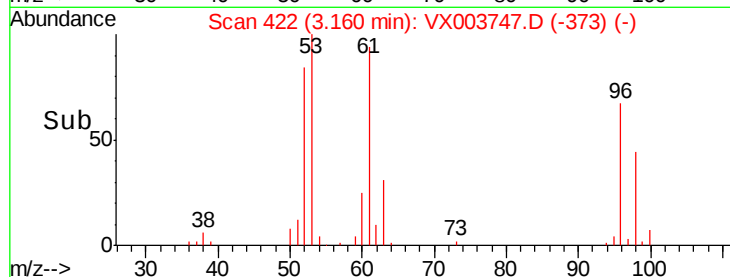
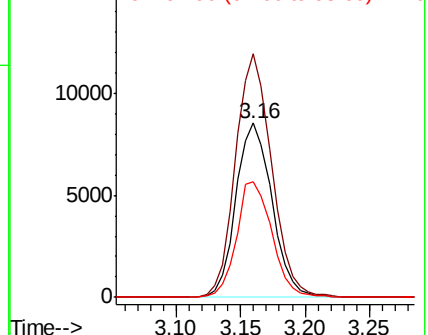
96 100

61 139.8 110.9 166.3

98 66.1 50.2 75.4



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: 18.93 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Tgt Ion: 45 Resp: 46899

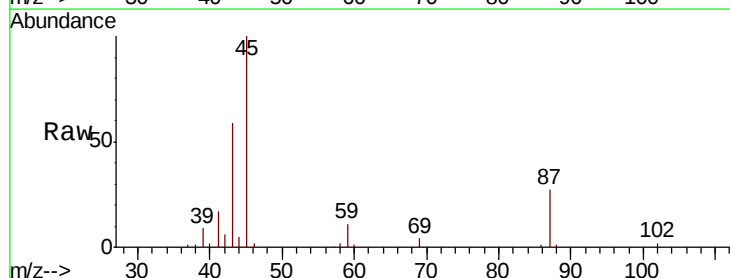
Ion Ratio Lower Upper

45 100

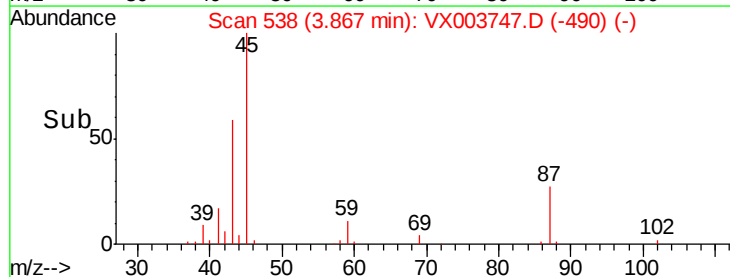
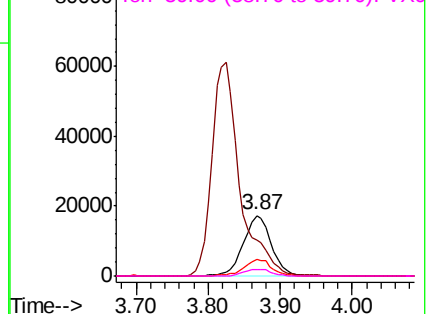
43 58.5 43.5 65.3

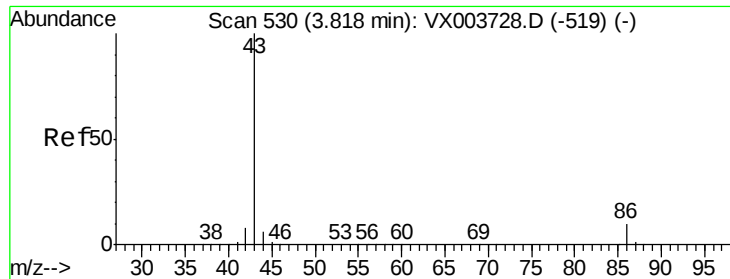
87 26.6 22.6 33.8

59 11.3 9.3 13.9



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: 92.36 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

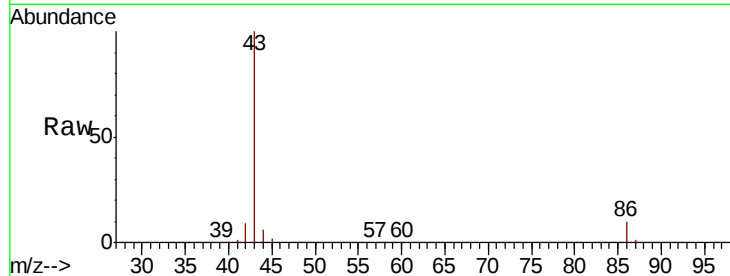
VX0731SBS01

Tot Ion: 43 Resp: 165039

Ion Ratio Lower Upper

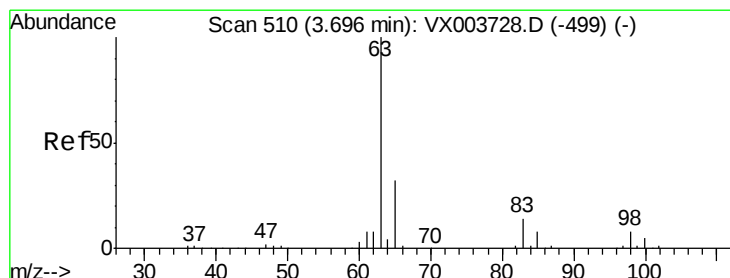
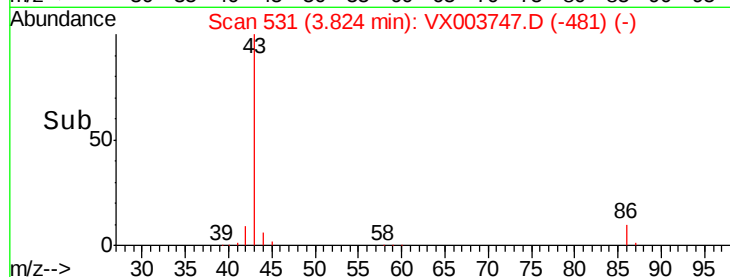
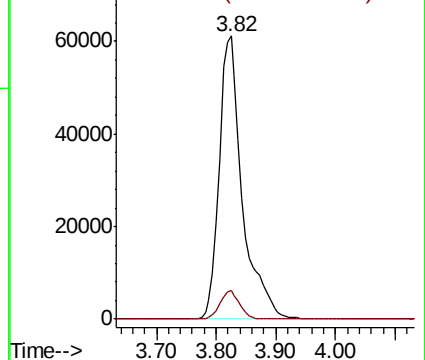
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.33 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

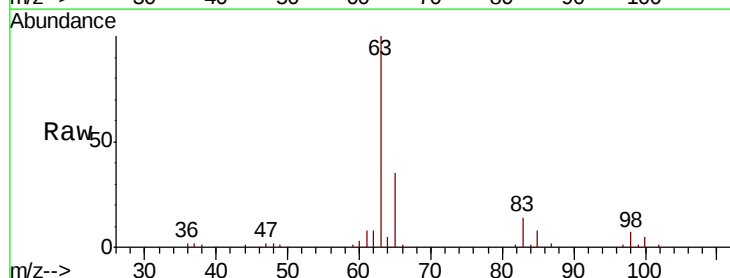
Tgt Ion: 63 Resp: 29380

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.0

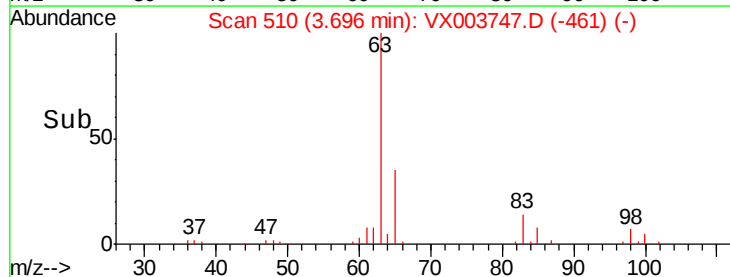
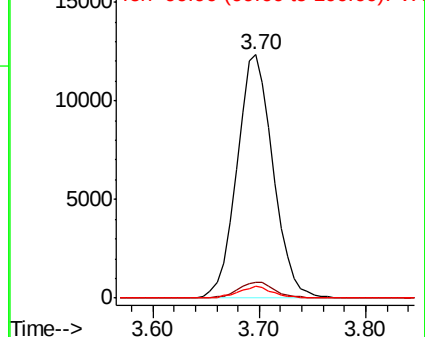
100 4.8 2.4 7.2

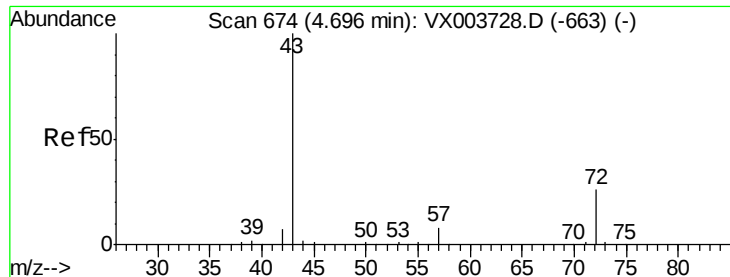


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.29 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

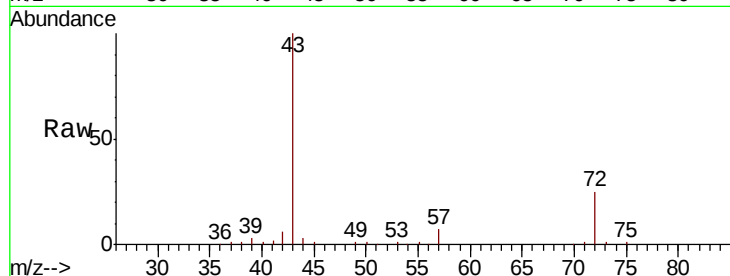
VX0731SBS01

Tot Ion: 43 Resp: 49896

Ion Ratio Lower Upper

43 100

72 25.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

20000

15000

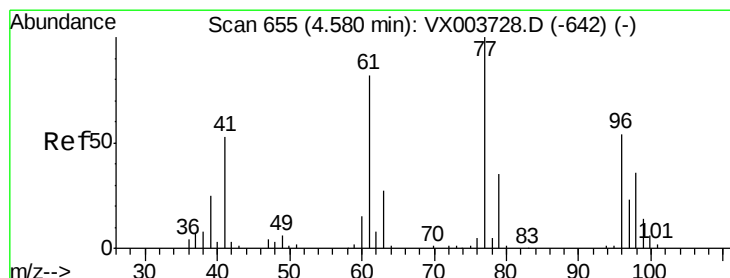
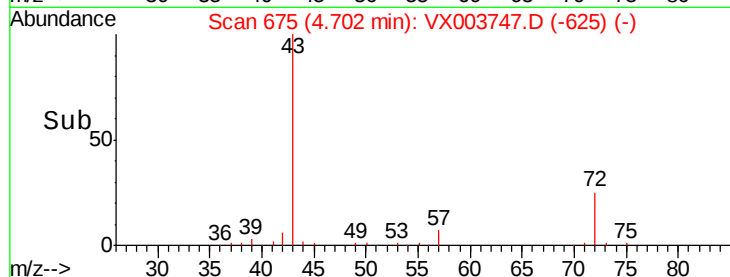
10000

5000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.31 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003747.D

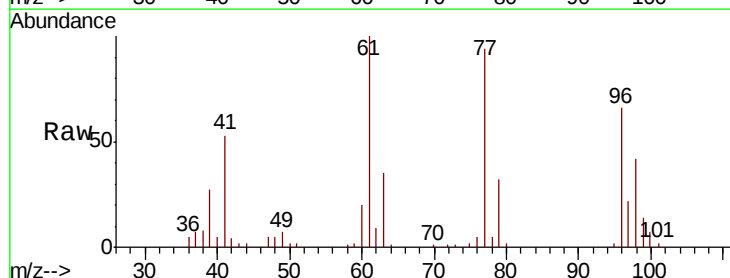
Acq: 31 Jul 2018 14:03

Tgt Ion: 77 Resp: 23107

Ion Ratio Lower Upper

77 100

97 23.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

8000

6000

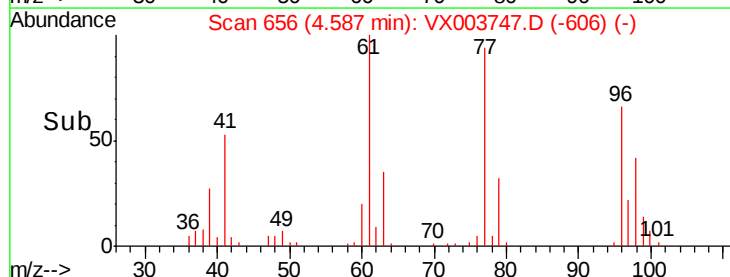
4000

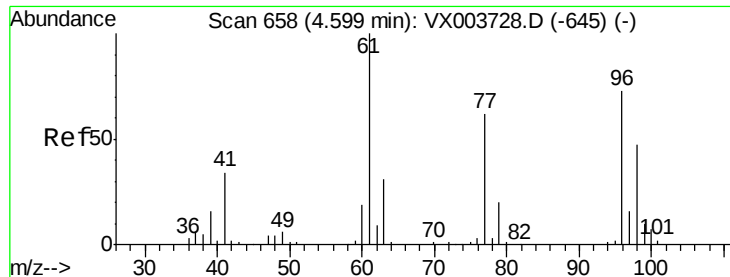
2000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.08 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

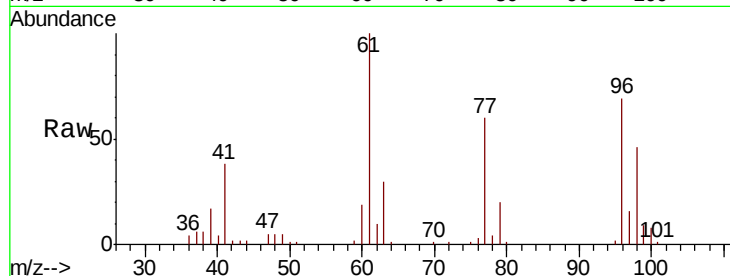
Tot Ion: 96 Resp: 17442

Ion Ratio Lower Upper

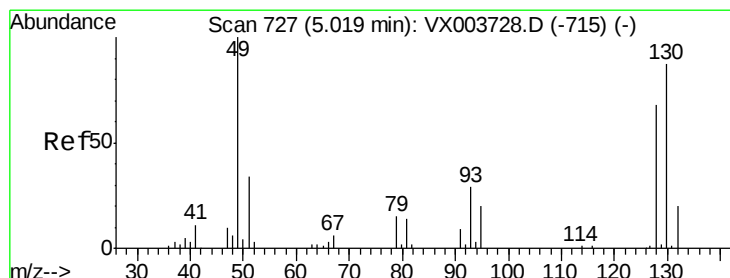
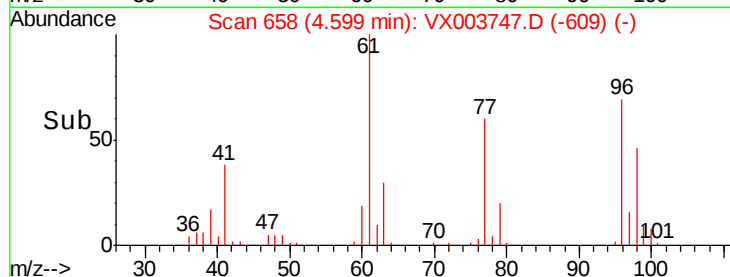
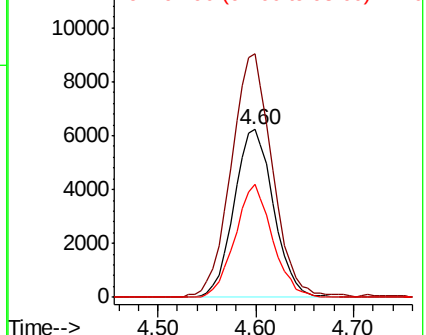
96 100

61 151.3 0.0 285.6

98 63.8 0.0 131.0



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



#28

Bromochloromethane

Concen: 19.02 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

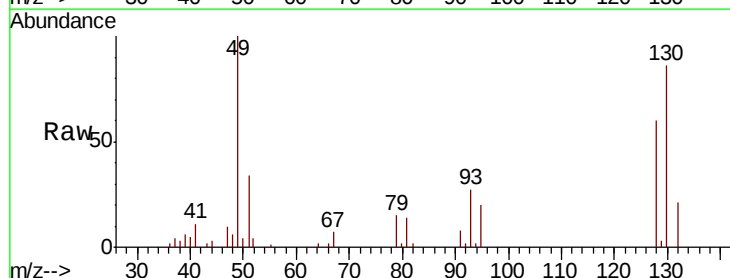
Tgt Ion: 49 Resp: 12328

Ion Ratio Lower Upper

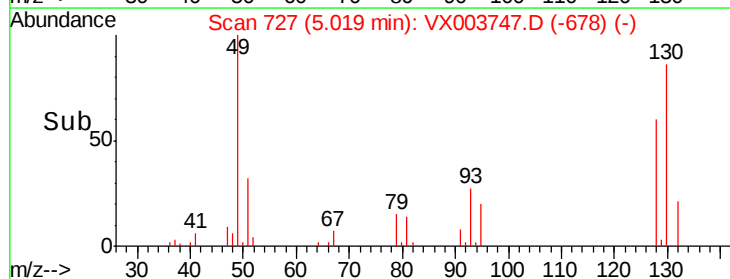
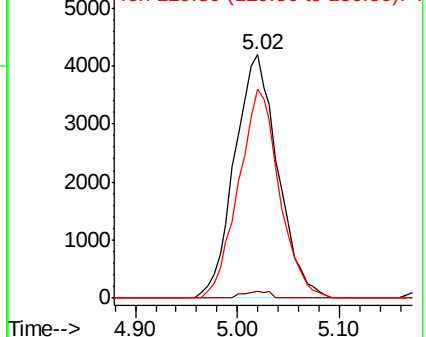
49 100

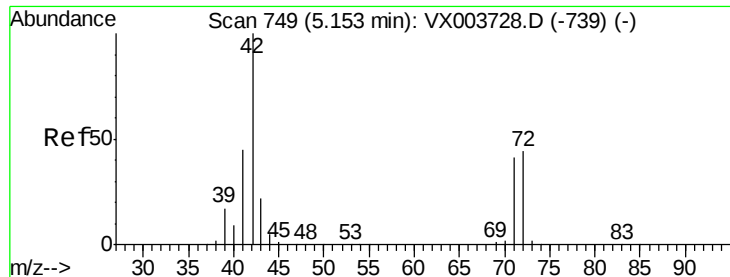
129 1.6 0.0 4.0

130 81.2 68.9 103.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.48 ug/l

RT: 5.15 min Scan# 749

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

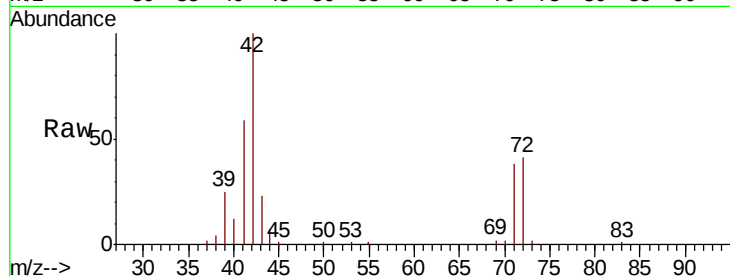
Tot Ion: 42 Resp: 31546

Ion Ratio Lower Upper

42 100

72 41.7 35.6 53.4

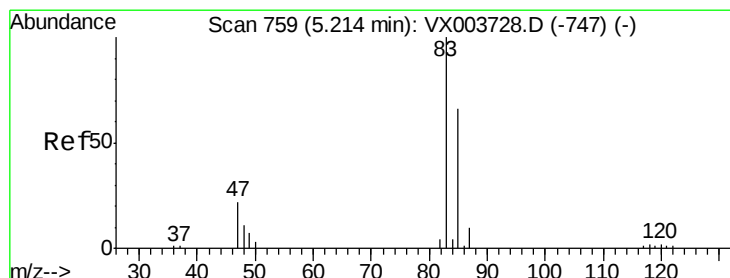
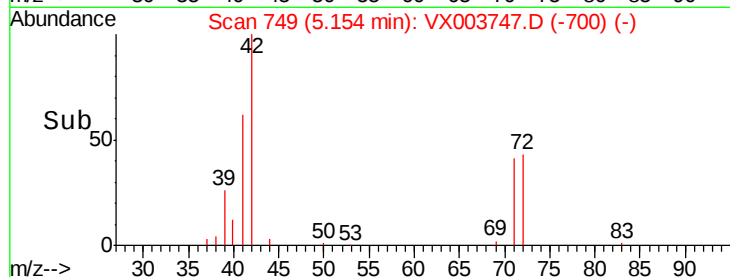
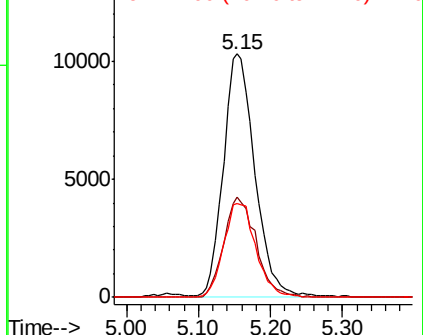
71 39.1 33.4 50.0



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: 19.75 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003747.D

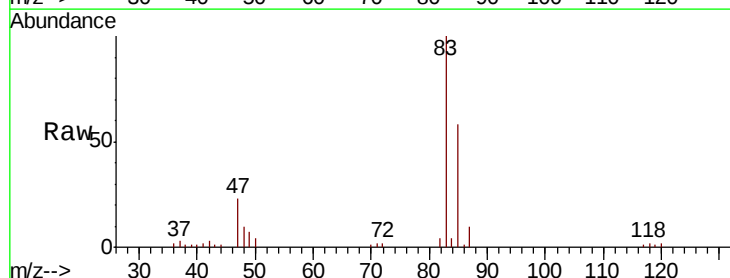
Acq: 31 Jul 2018 14:03

Tgt Ion: 83 Resp: 28124

Ion Ratio Lower Upper

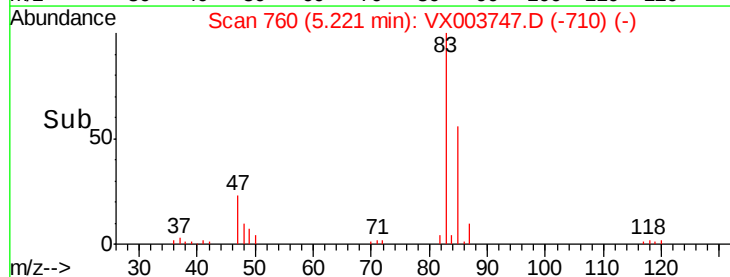
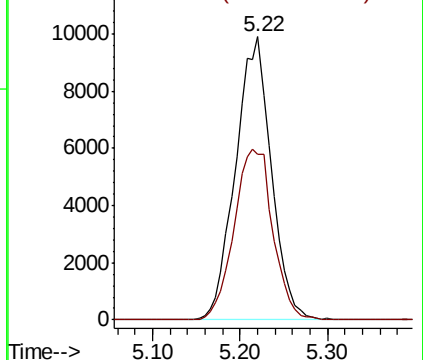
83 100

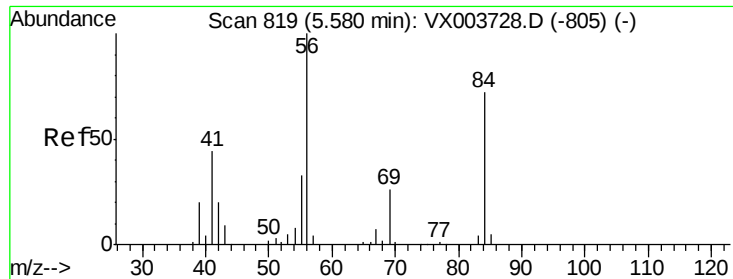
85 58.4 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

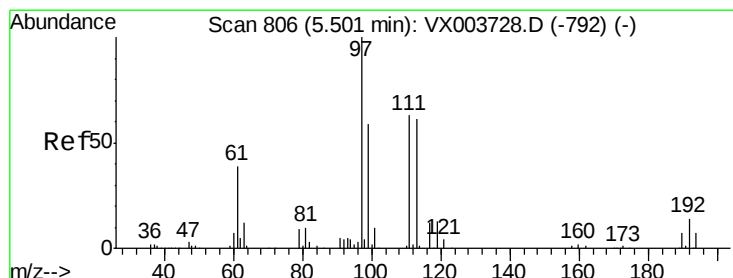
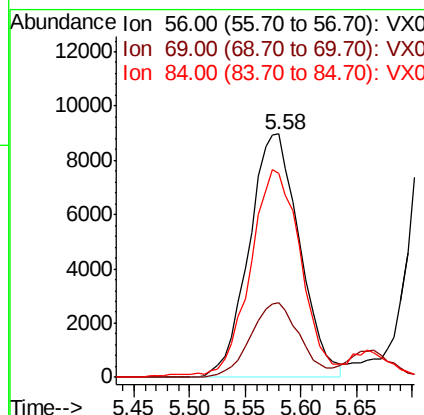
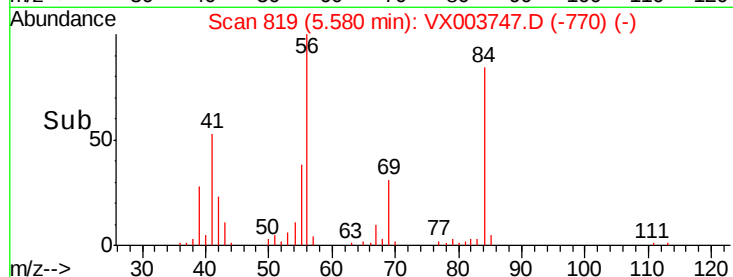
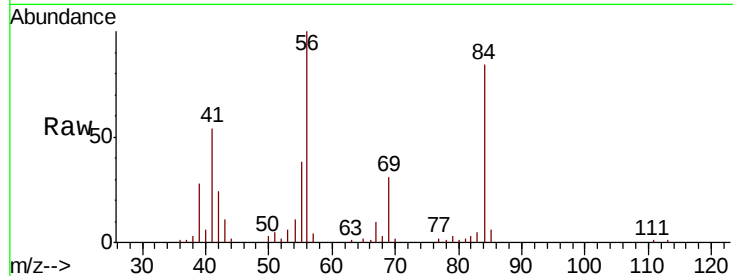




#31
Cyclohexane
Concen: 20.29 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

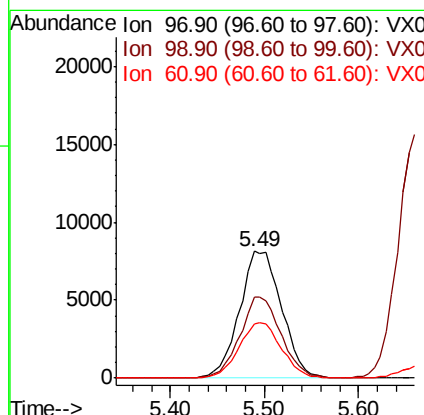
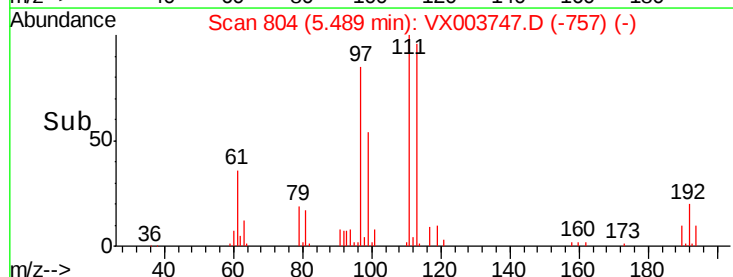
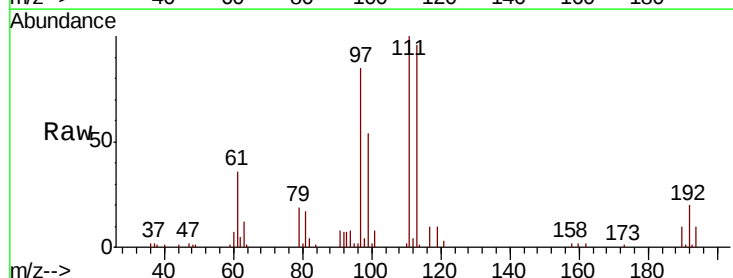
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

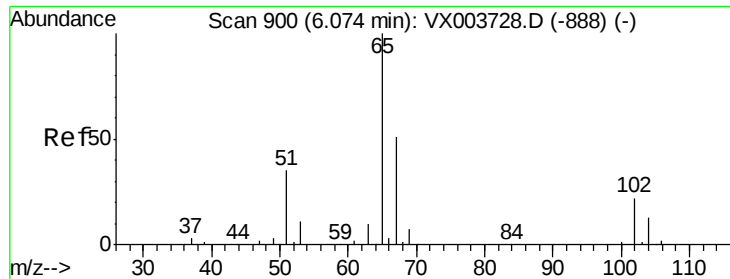
Tot Ion: 56 Resp: 28318
Ion Ratio Lower Upper
56 100
69 30.7 20.6 30.8
84 82.3 57.9 86.9



#32
1,1,1-Trichloroethane
Concen: 20.78 ug/l
RT: 5.49 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 97 Resp: 25422
Ion Ratio Lower Upper
97 100
99 62.3 51.4 77.2
61 44.1 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 46.59 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

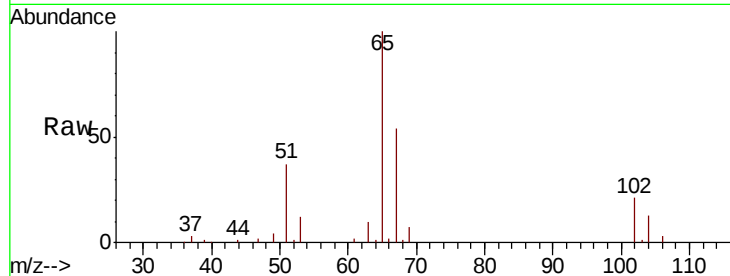
VX0731SBS01

Tot Ion: 65 Resp: 40813

Ion Ratio Lower Upper

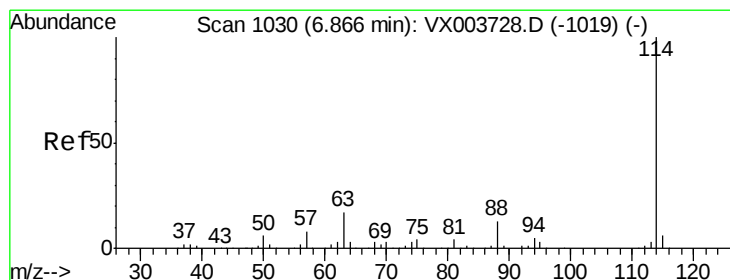
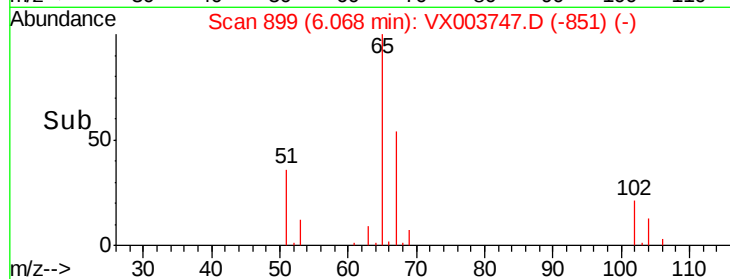
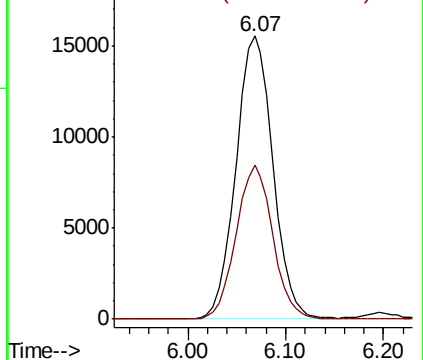
65 100

67 53.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

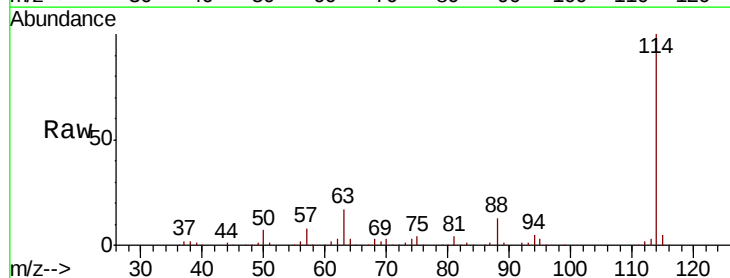
Tgt Ion: 114 Resp: 122846

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.0

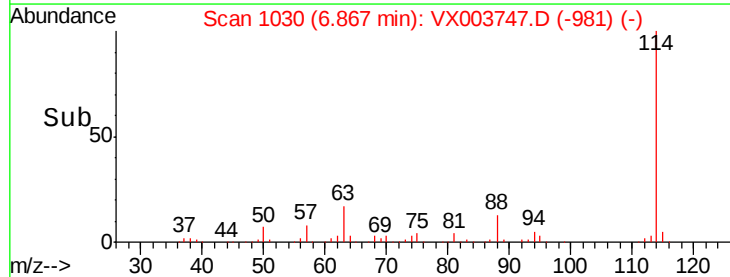
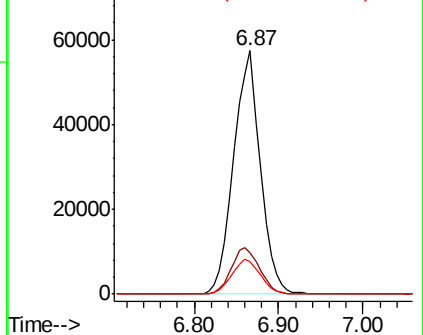
88 13.2 0.0 26.4

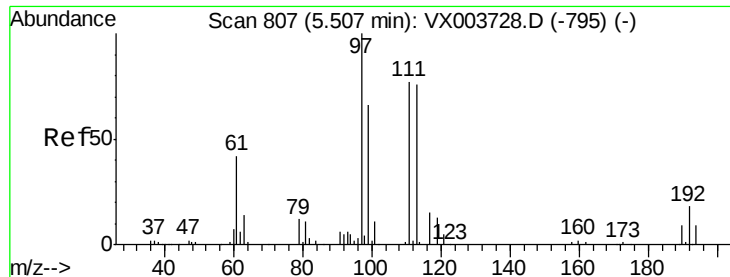


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

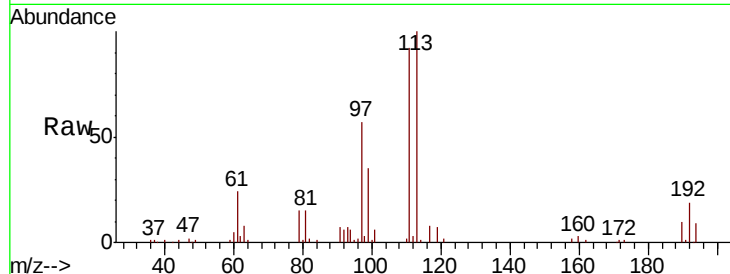




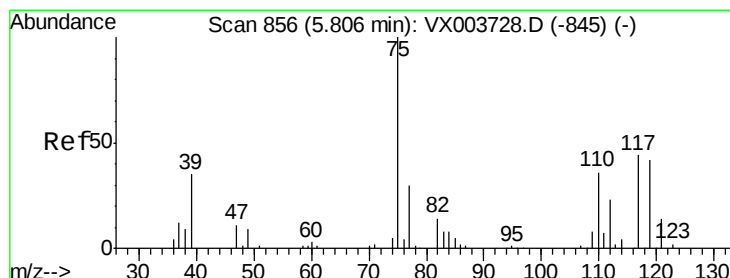
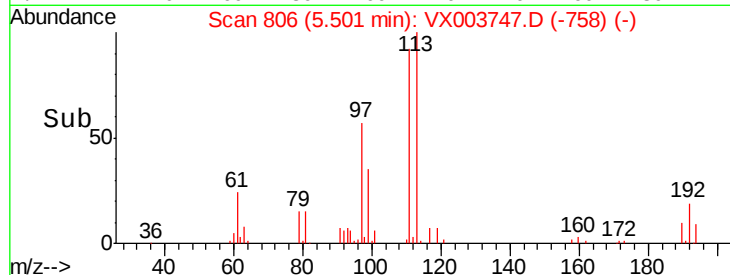
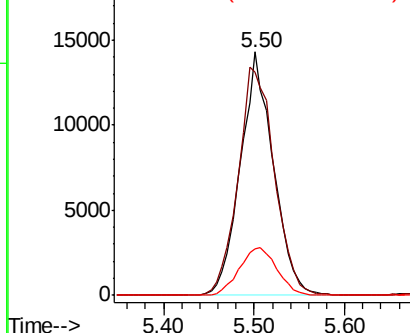
#35
 Dibromofluoromethane
 Concen: 49.80 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Tot Ion:113 Resp: 36022
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 22.3 18.8 28.2

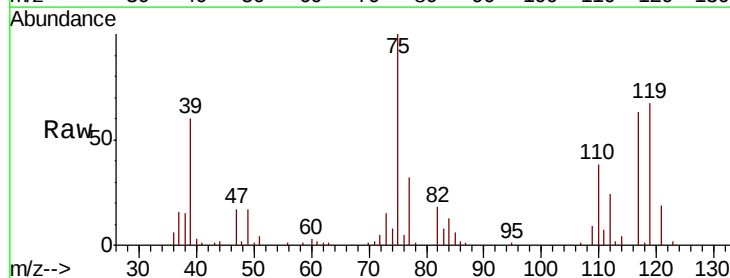


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

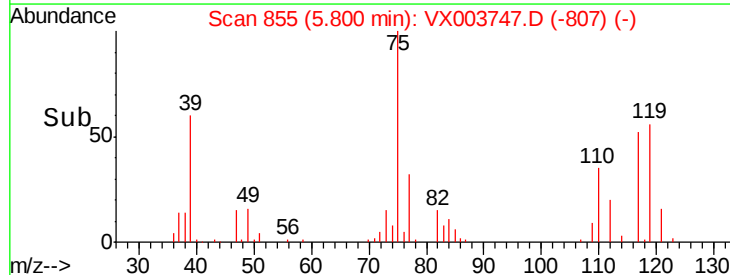
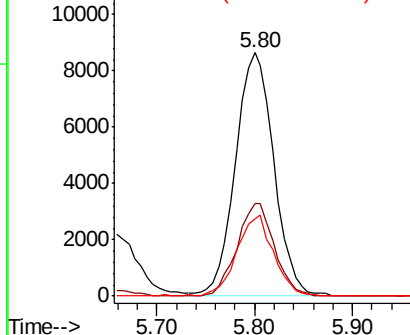


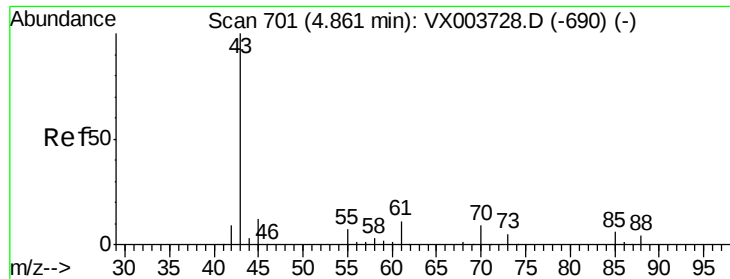
#36
 1,1-Dichloropropene
 Concen: 20.56 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 75 Resp: 23649
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.3 54.8
 77 31.5 25.1 37.7



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

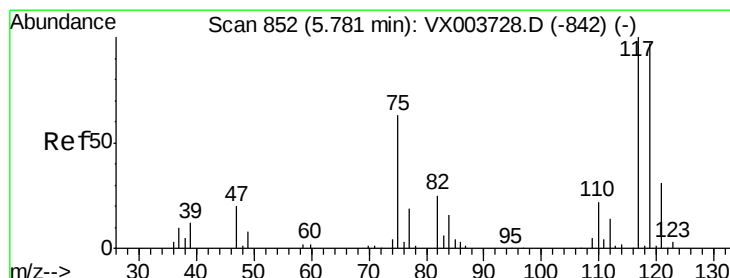
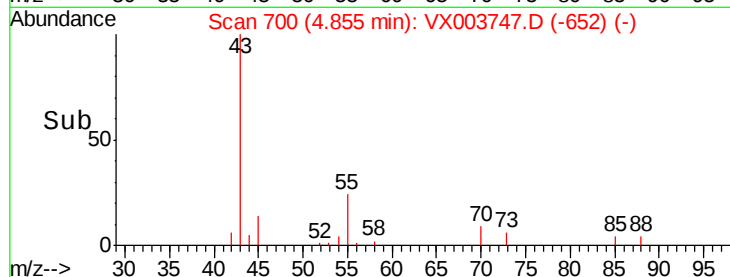
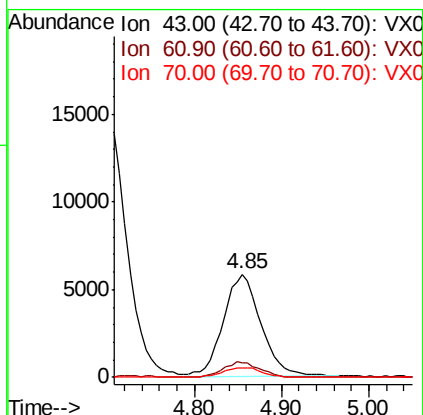
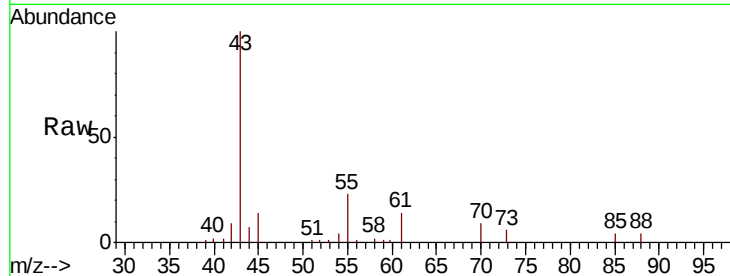




#37
Ethyl Acetate
Concen: 19.61 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

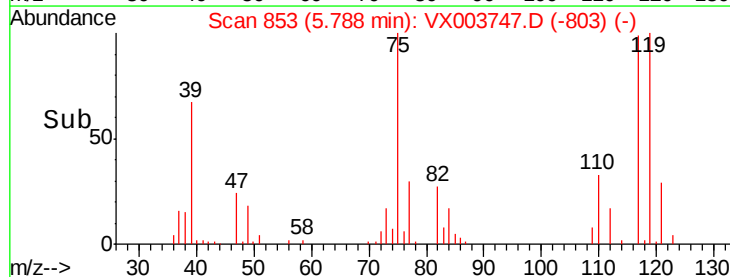
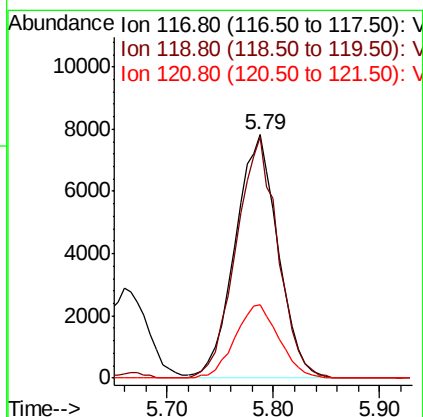
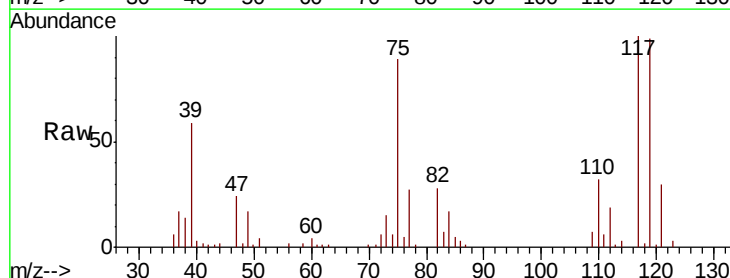
Instrument :
MSVOA_X
ClientSampleID :
VX0731SBS01

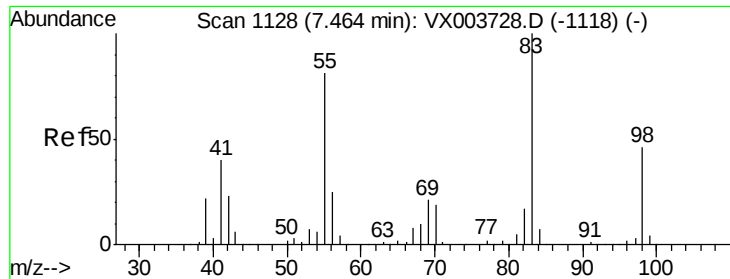
Tot Ion: 43 Resp: 17332
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 9.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.73 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 117 Resp: 22057
Ion Ratio Lower Upper
117 100
119 99.0 77.2 115.8
121 30.2 25.0 37.4

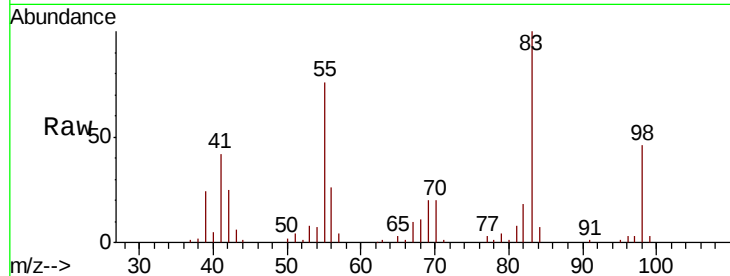




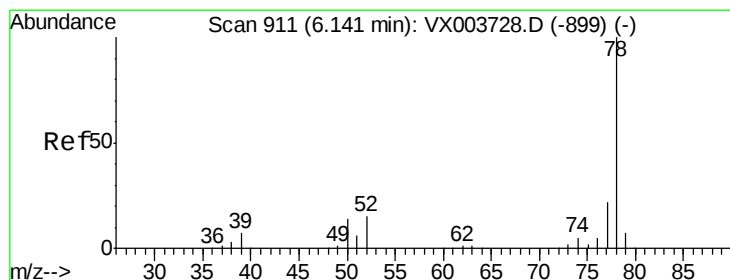
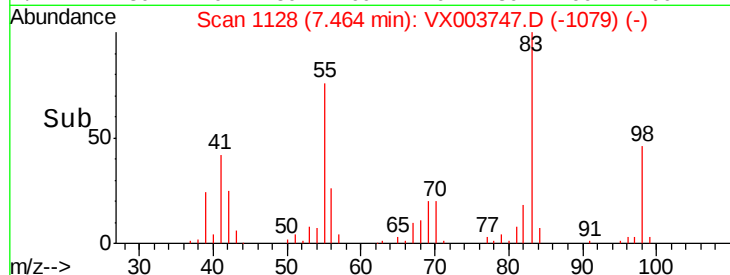
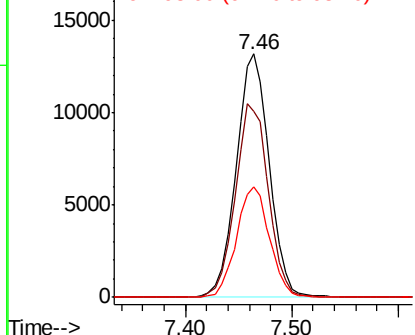
#39
Methvlcvclohexane
Concen: 20.26 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

Tot Ion: 83 Resp: 28611
Ion Ratio Lower Upper
83 100
55 76.4 65.0 97.6
98 45.5 37.1 55.7

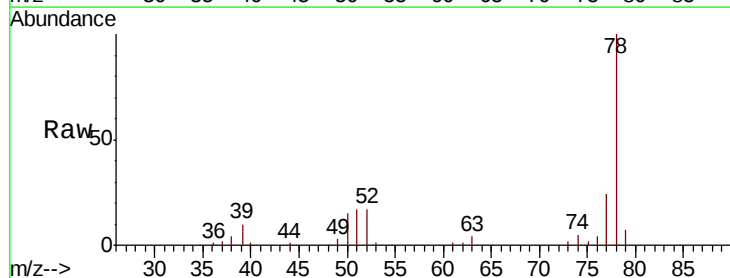


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

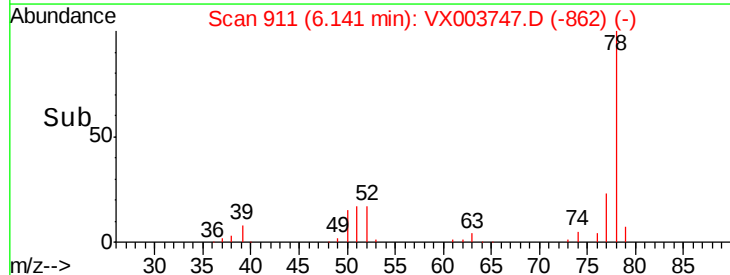
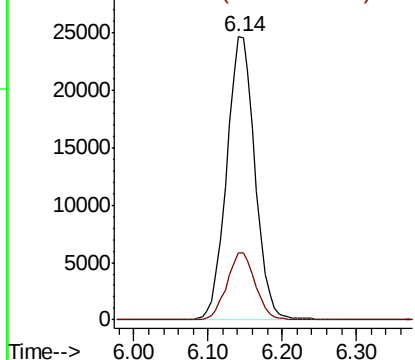


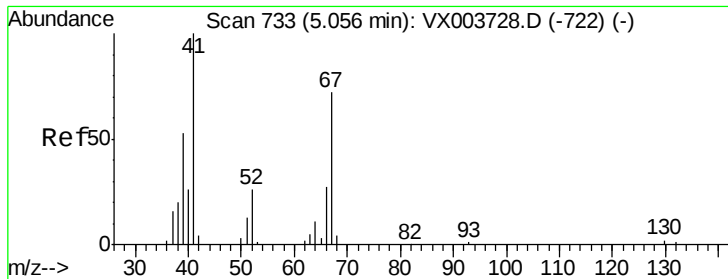
#40
Benzene
Concen: 19.86 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 78 Resp: 65461
Ion Ratio Lower Upper
78 100
77 23.9 17.9 26.9



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

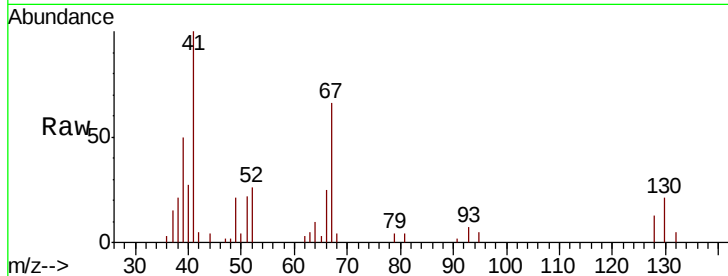




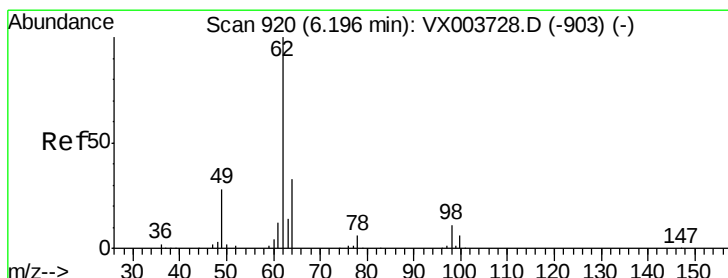
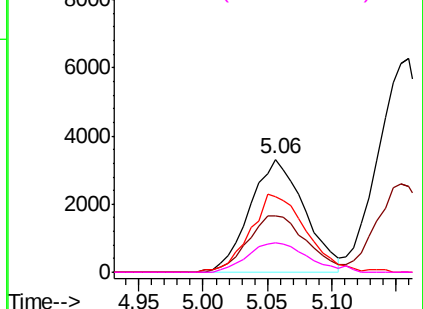
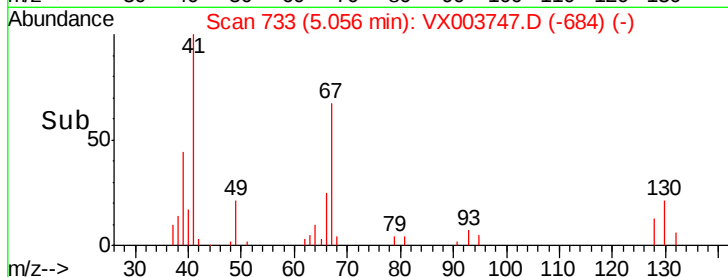
#41
Methacrylonitrile
Concen: 19.63 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBSD01

Tot Ion:	41	Resp:	9776
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.6	64.0
67	70.5	58.9	88.3
52	28.7	22.9	34.3

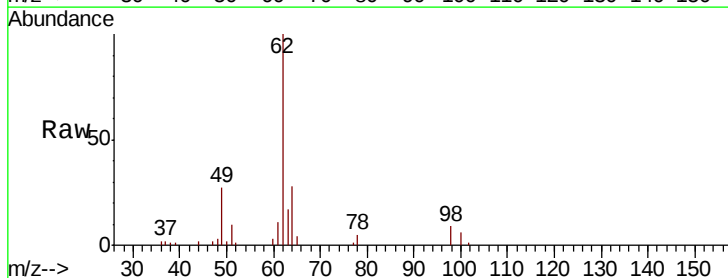


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

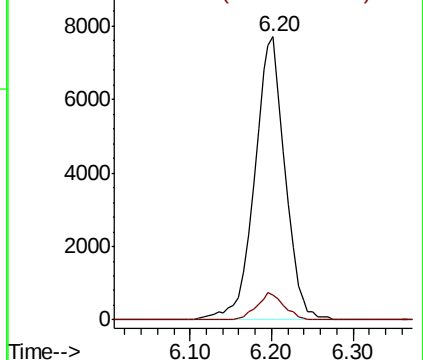
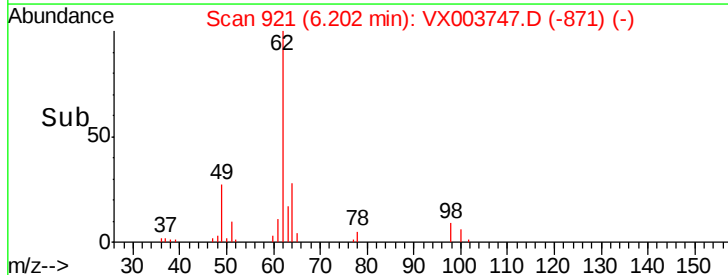


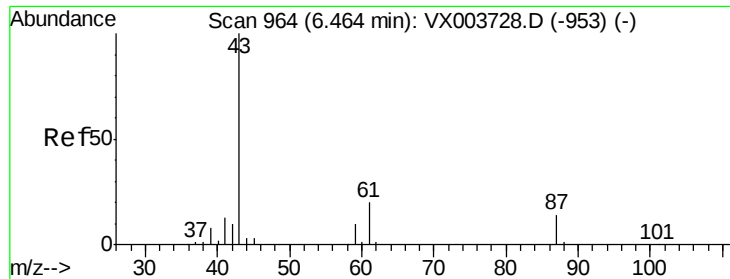
#42
1,2-Dichloroethane
Concen: 20.07 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion:	62	Resp:	19982
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	20.4



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



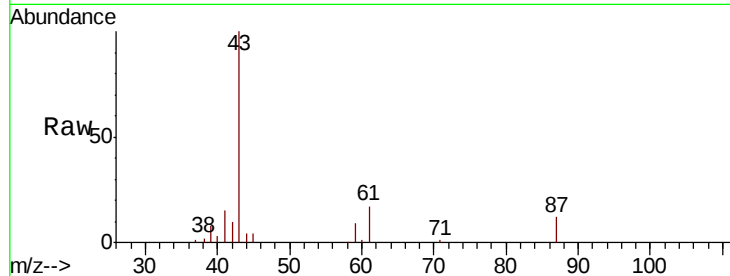


#43

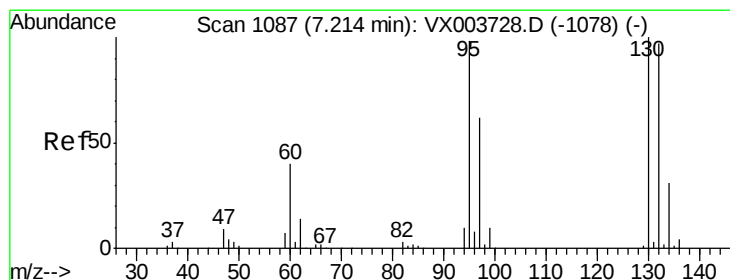
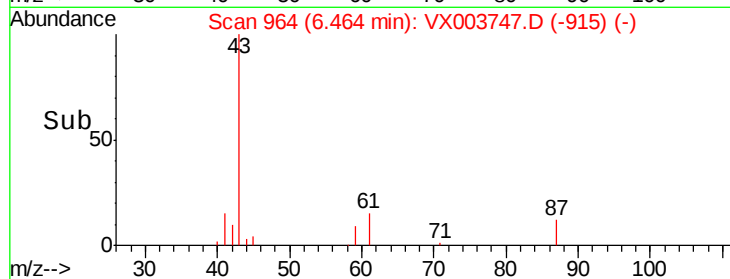
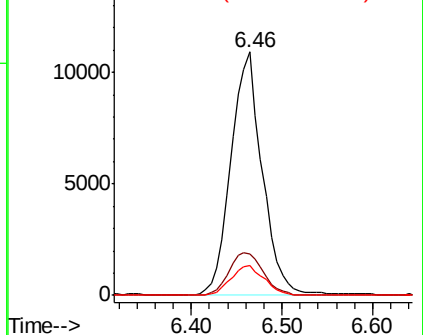
Isopropyl Acetate
 Concen: 18.63 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Tot Ion: 43 Resp: 26231
 Ion Ratio Lower Upper
 43 100
 61 19.0 16.5 24.7
 87 12.8 10.7 16.1



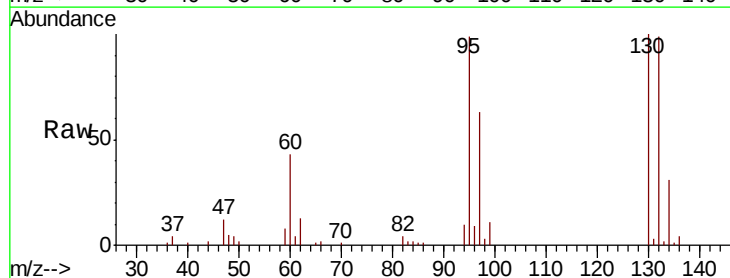
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



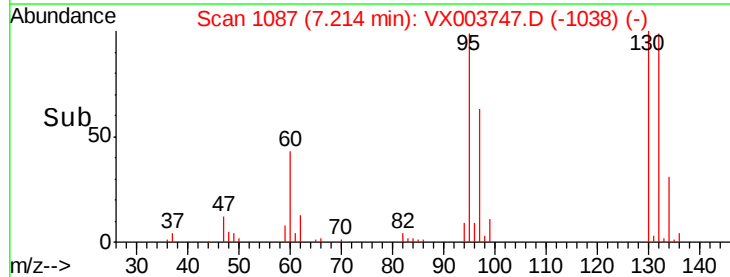
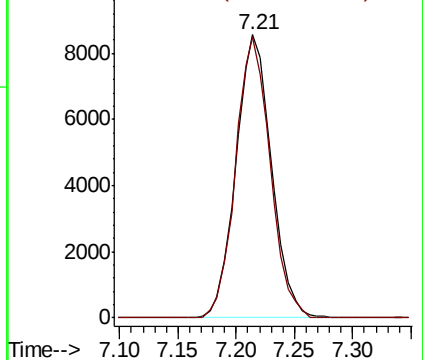
#44

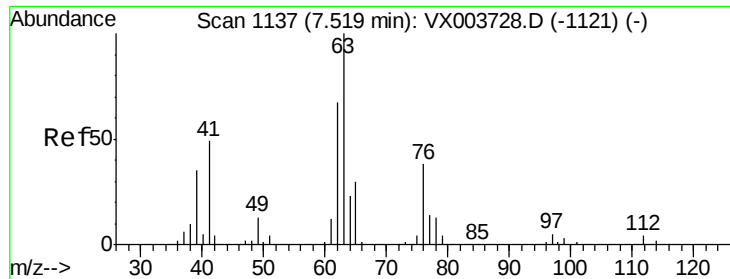
Trichloroethene
 Concen: 19.30 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 130 Resp: 18155
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 196.2



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

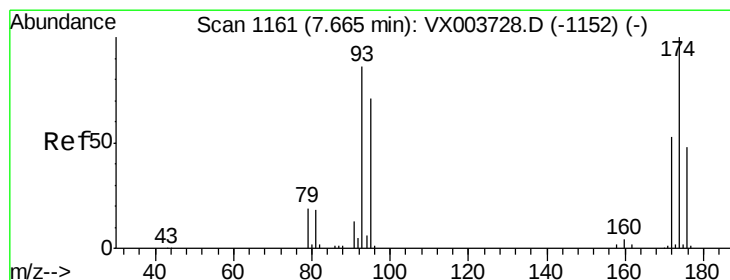
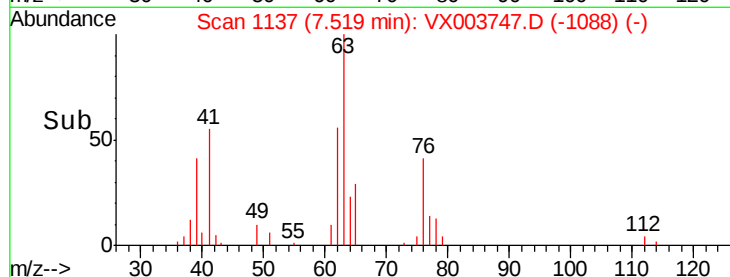
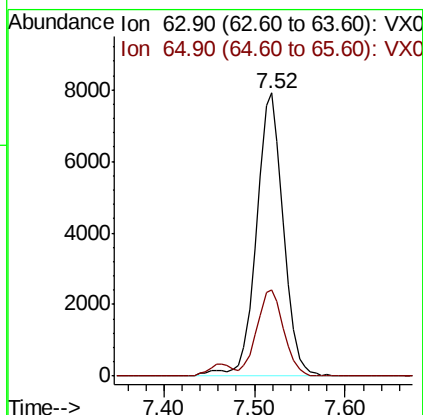
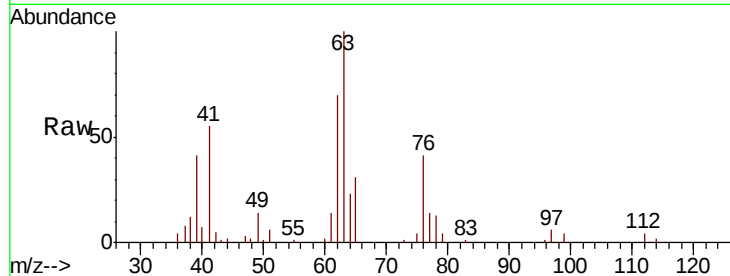




#45
 1,2-Dichloropropane
 Concen: 19.97 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

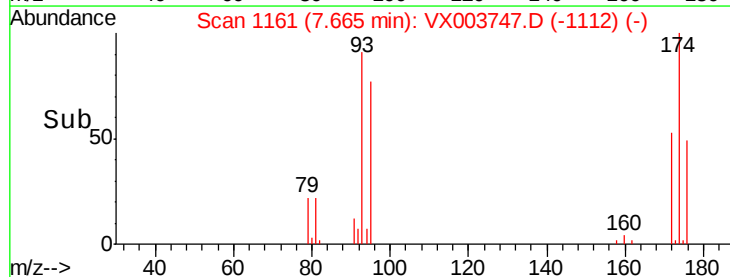
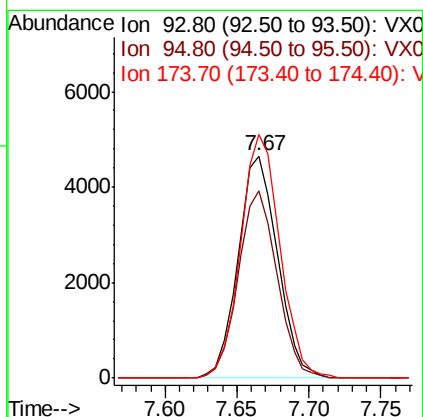
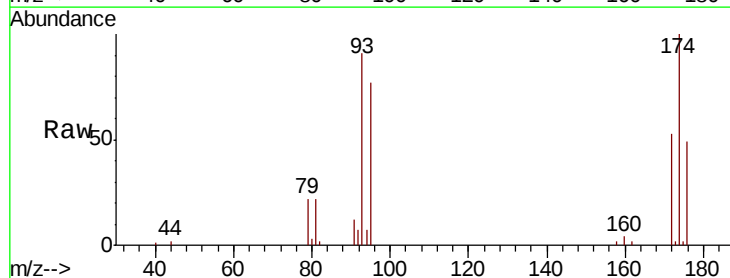
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

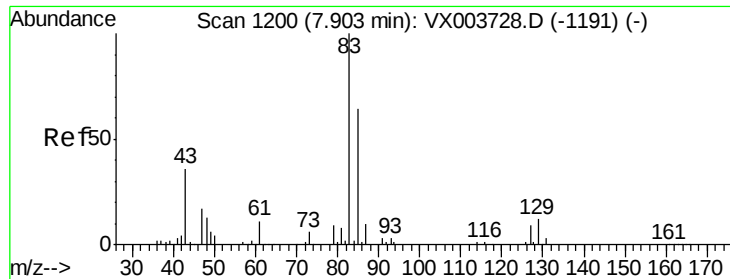
Tot Ion: 63 Resp: 16194
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.7 35.5



#46
 Dibromomethane
 Concen: 18.88 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 93 Resp: 8819
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.1 102.1
 174 109.7 96.2 144.4





#47

Bromodichloromethane

Concen: 19.26 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBSD01

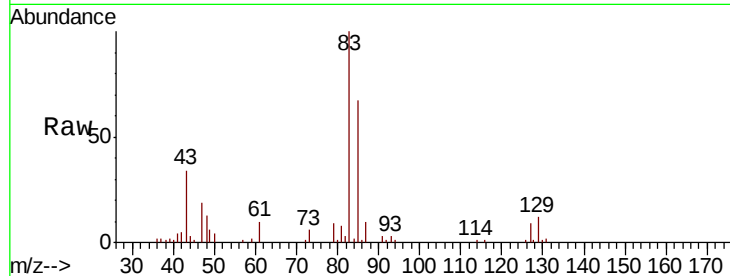
Tot Ion: 83 Resp: 17933

Ion Ratio Lower Upper

83 100

85 66.5 51.1 76.7

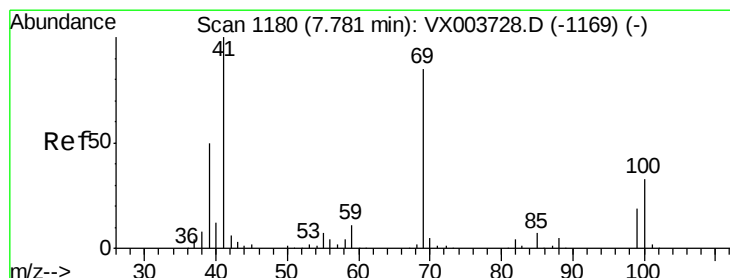
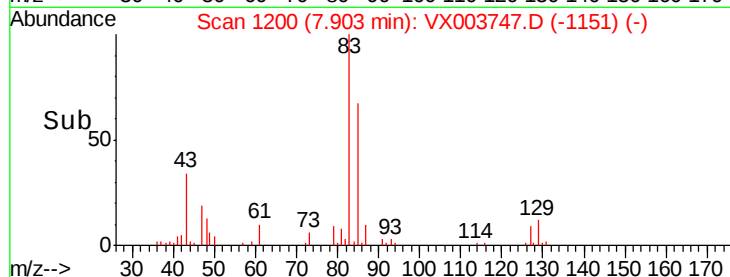
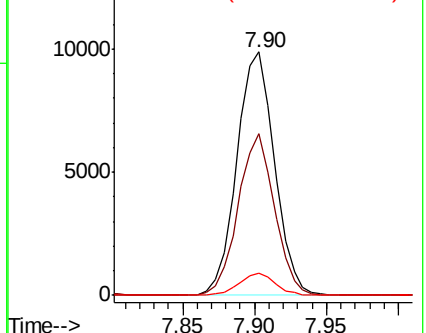
127 9.2 7.1 10.7



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: 18.92 ug/l

RT: 7.78 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

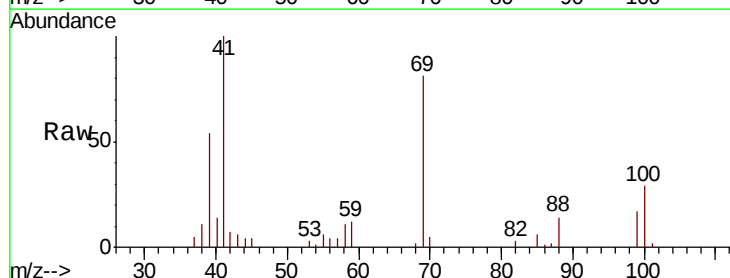
Tgt Ion: 41 Resp: 13362

Ion Ratio Lower Upper

41 100

69 81.2 68.7 103.1

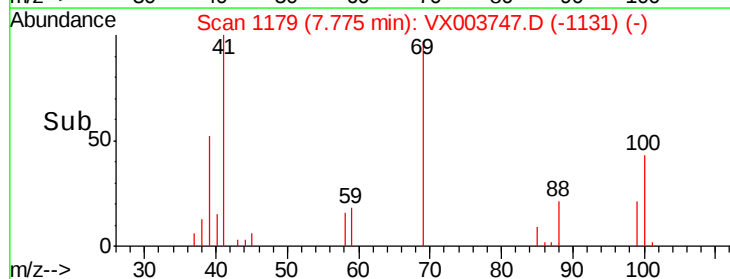
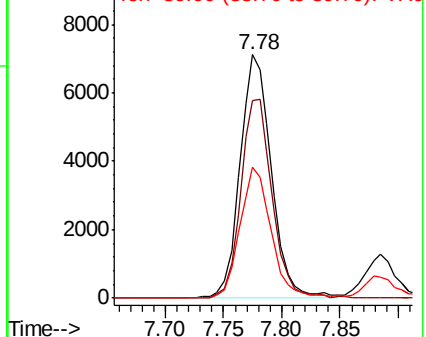
39 53.7 40.8 61.2

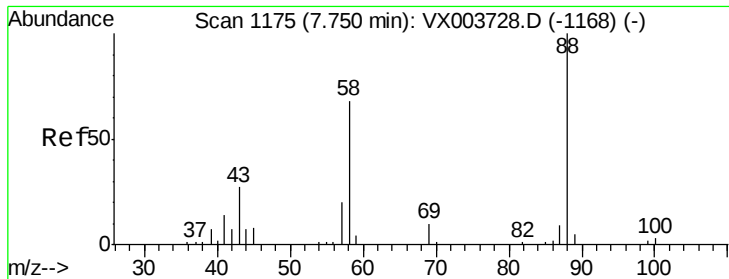


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 414.17 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

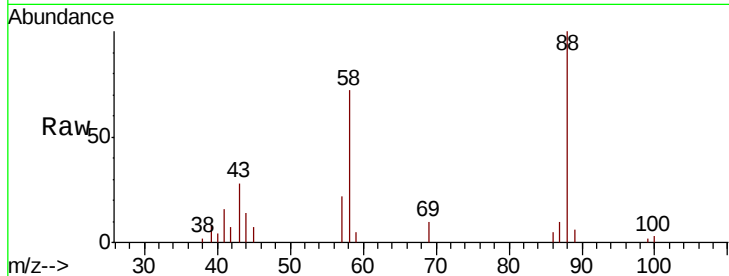
Tot Ion: 88 Resp: 5904

Ion Ratio Lower Upper

88 100

43 33.2 26.0 39.0

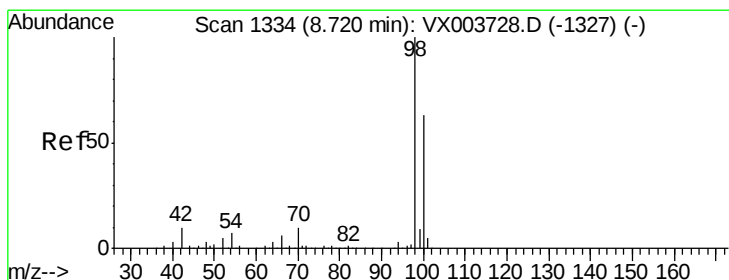
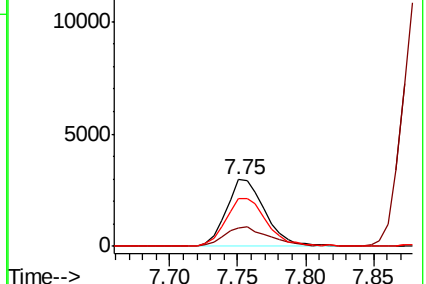
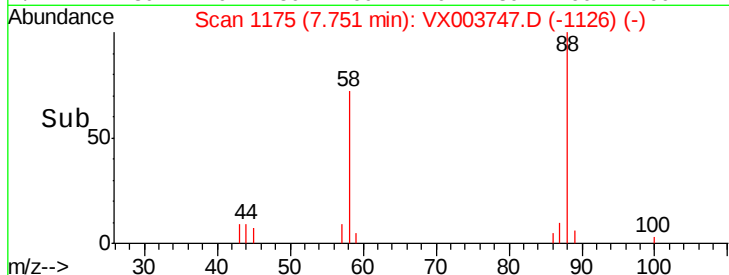
58 75.8 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.91 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003747.D

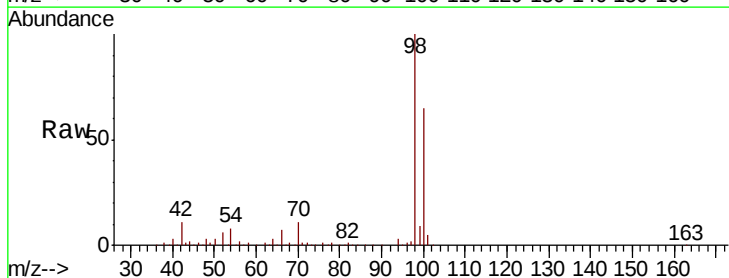
Acq: 31 Jul 2018 14:03

Tgt Ion: 98 Resp: 150509

Ion Ratio Lower Upper

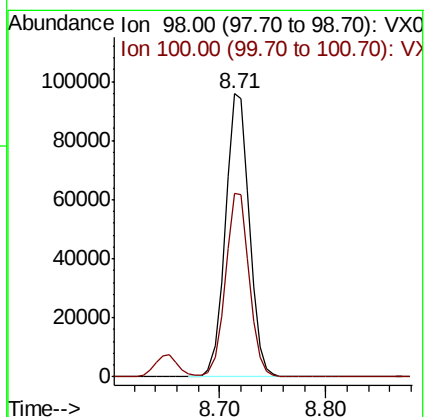
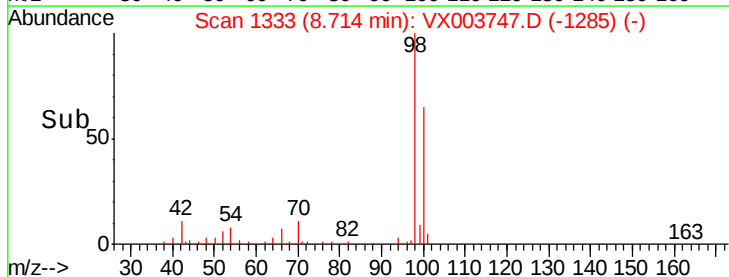
98 100

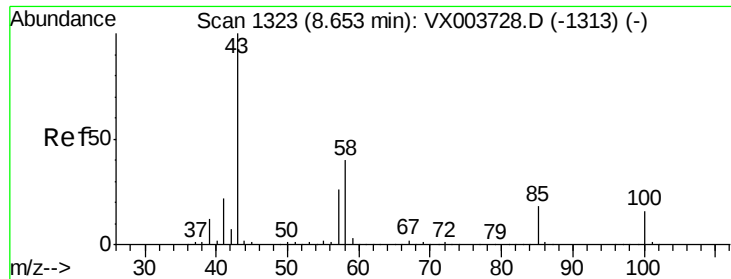
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 95.72 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

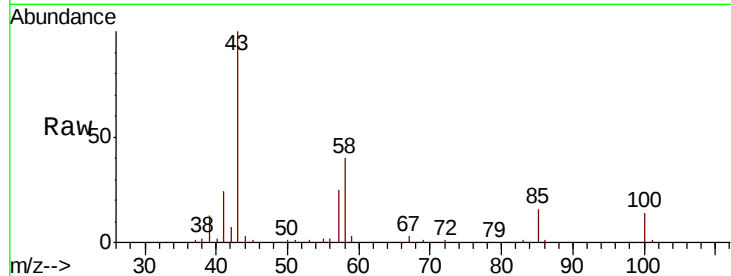
VX0731SBS01

Tot Ion: 43 Resp: 82831

Ion Ratio Lower Upper

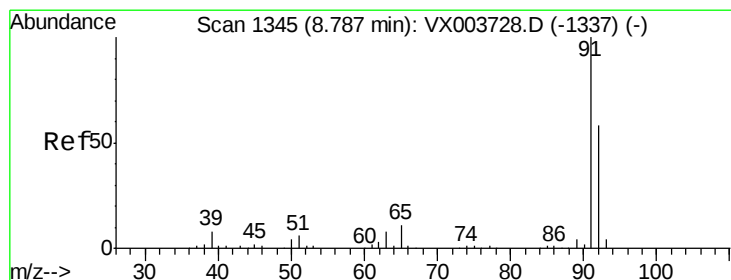
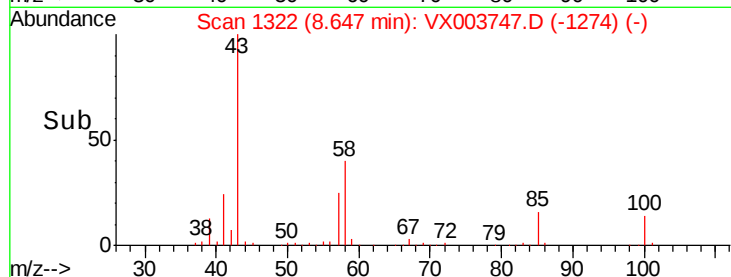
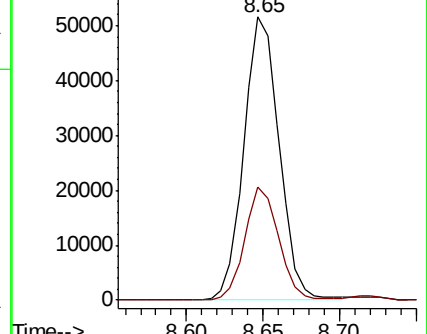
43 100

58 38.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003747.D

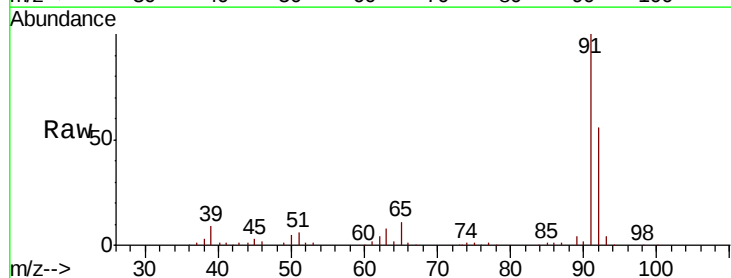
Acq: 31 Jul 2018 14:03

Tgt Ion: 92 Resp: 41344

Ion Ratio Lower Upper

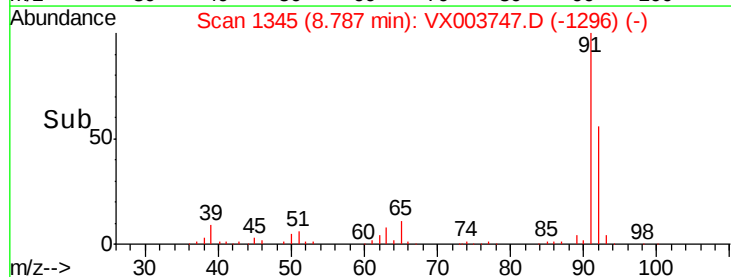
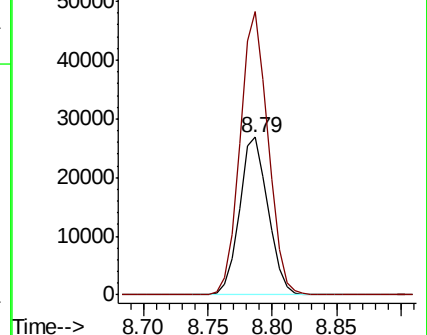
92 100

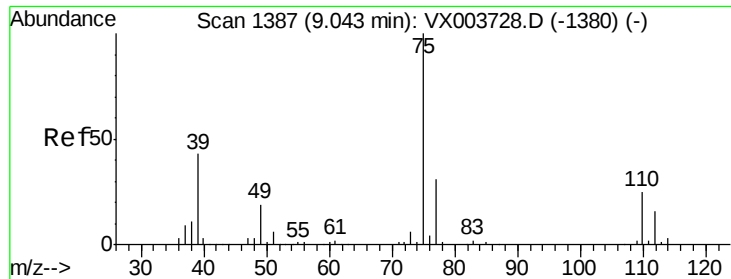
91 175.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

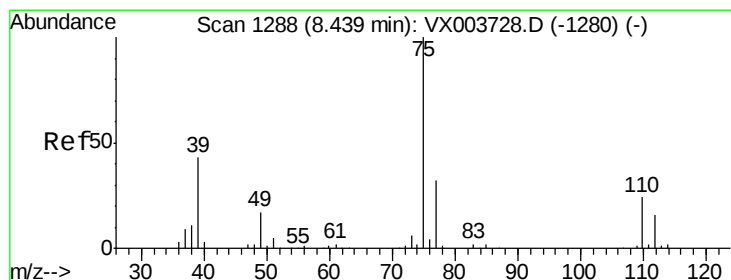
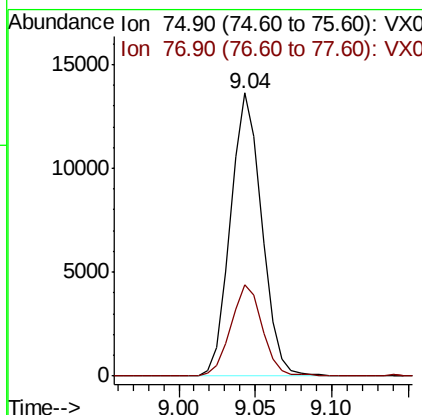
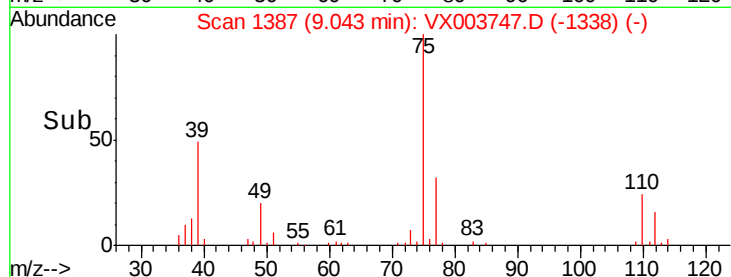
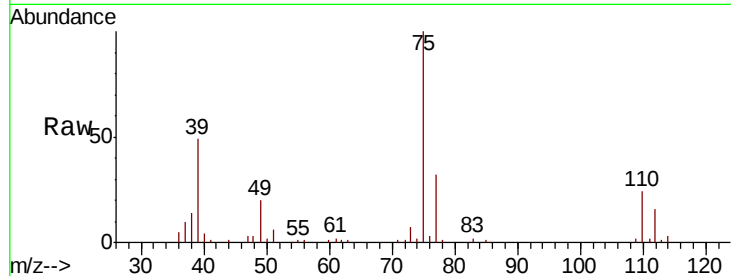




#53
 t-1,3-Dichloropropene
 Concen: 18.17 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

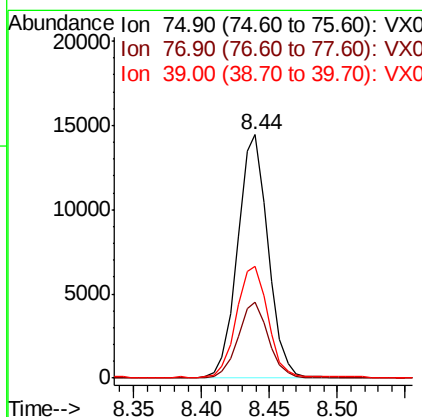
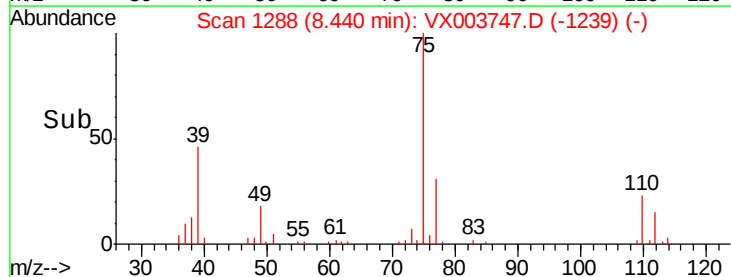
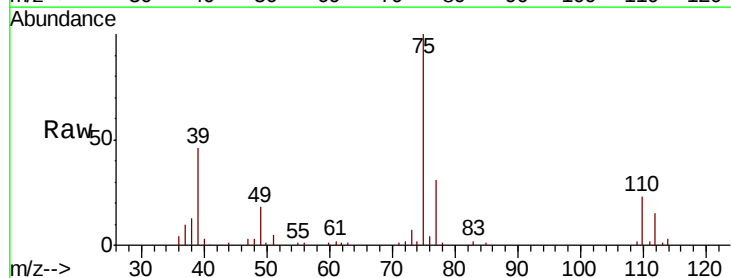
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

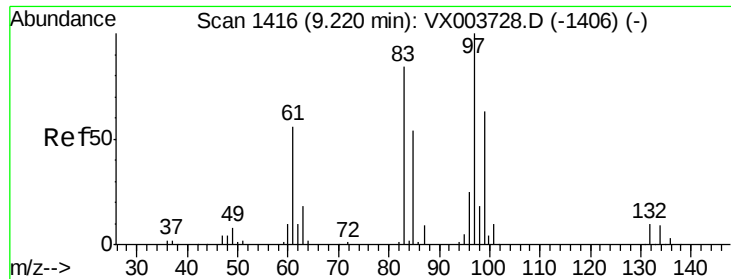
Tot Ion: 75 Resp: 19320
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.00 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 75 Resp: 22521
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 45.5 34.1 51.1

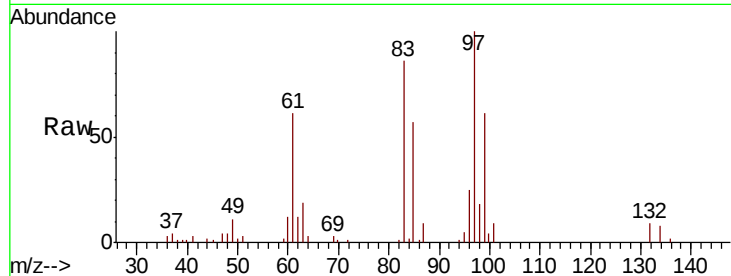




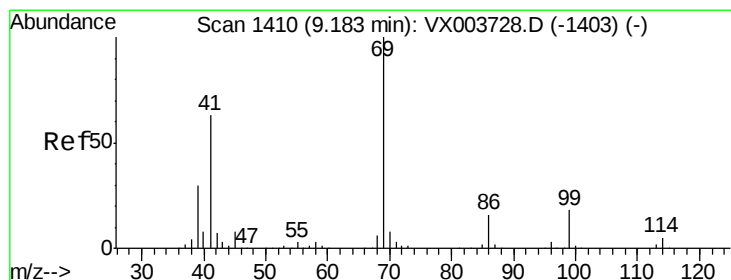
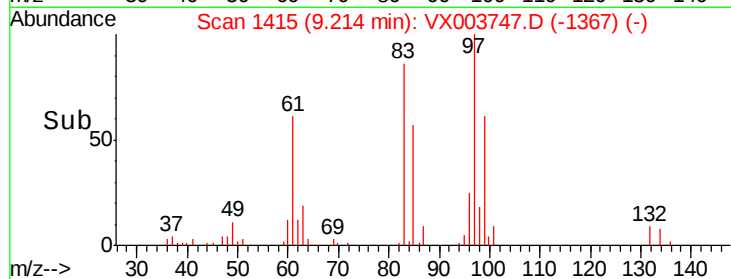
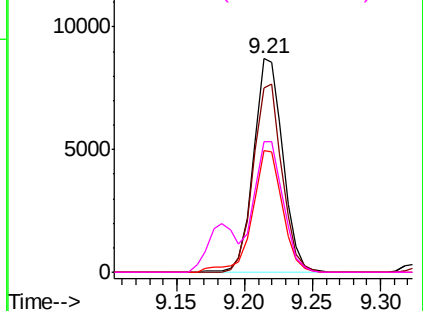
#55
 1,1,2-Trichloroethane
 Concen: 18.64 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Tot Ion: 97 Resp: 13190
 Ion Ratio Lower Upper
 97 100
 83 86.4 67.4 101.0
 85 57.2 43.3 64.9
 99 61.4 50.8 76.2

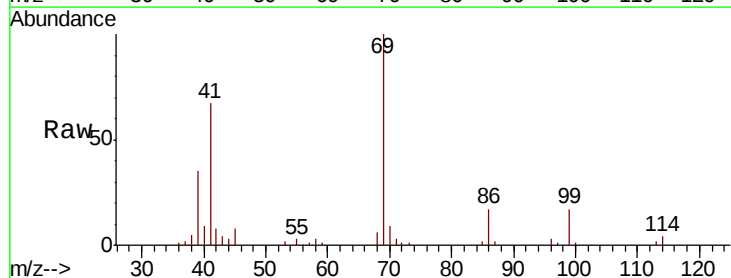


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

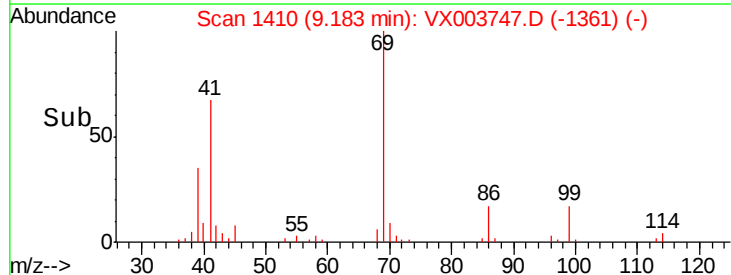
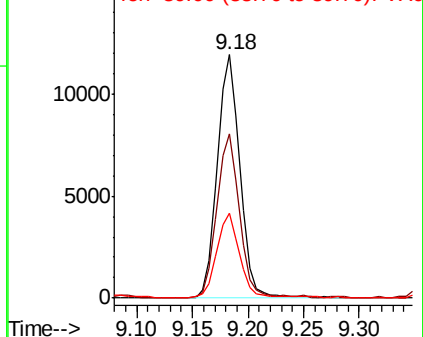


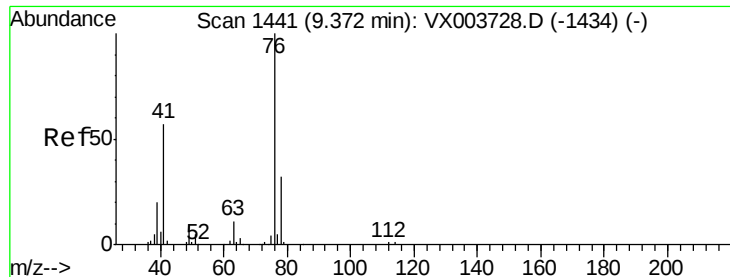
#56
 Ethyl methacrylate
 Concen: 17.31 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 69 Resp: 16824
 Ion Ratio Lower Upper
 69 100
 41 67.9 51.6 77.4
 39 36.0 25.1 37.7



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





#57

1,3-Dichloropropane

Concen: 19.03 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

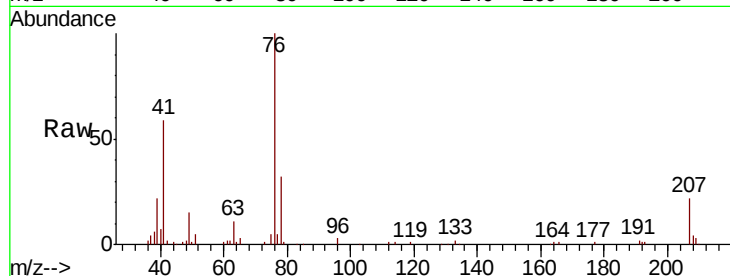
VX0731SBS01

Tot Ion: 76 Resp: 22606

Ion Ratio Lower Upper

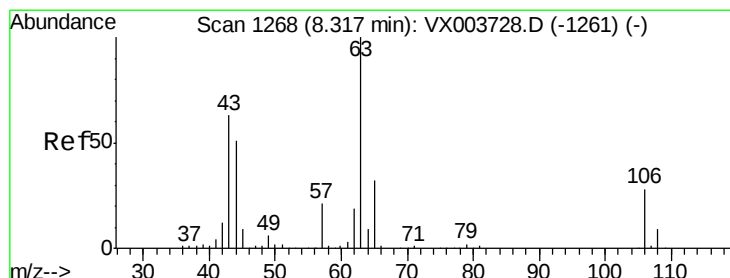
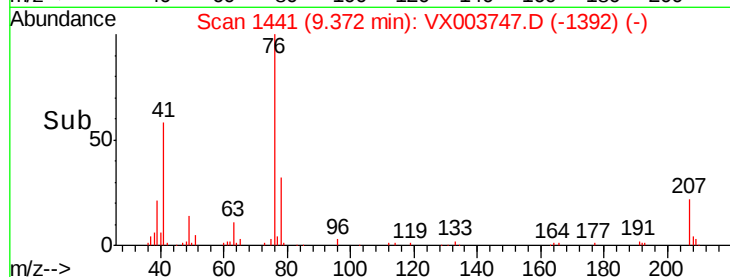
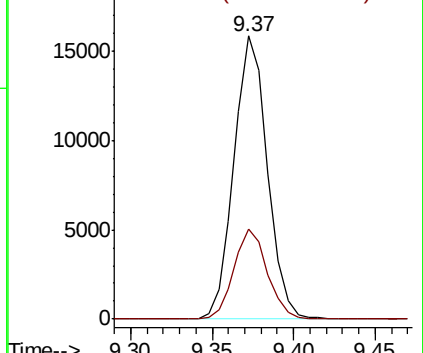
76 100

78 31.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 85.84 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003747.D

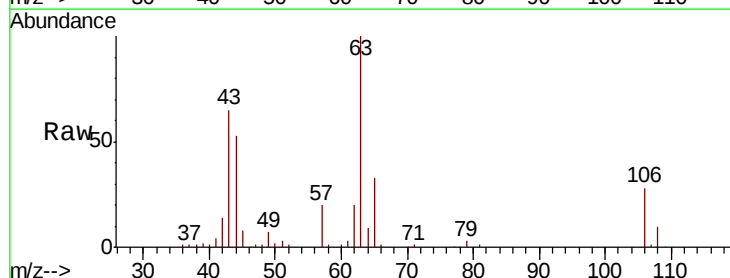
Acq: 31 Jul 2018 14:03

Tgt Ion: 63 Resp: 38656

Ion Ratio Lower Upper

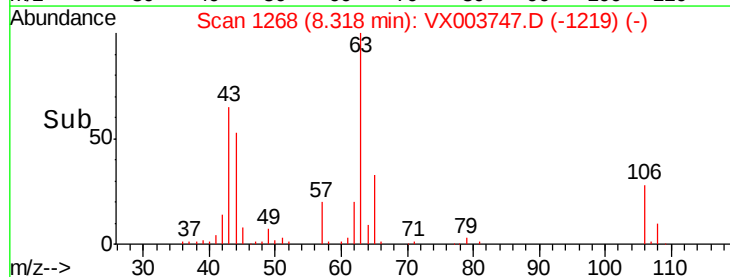
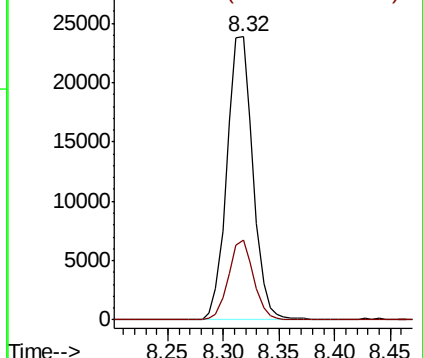
63 100

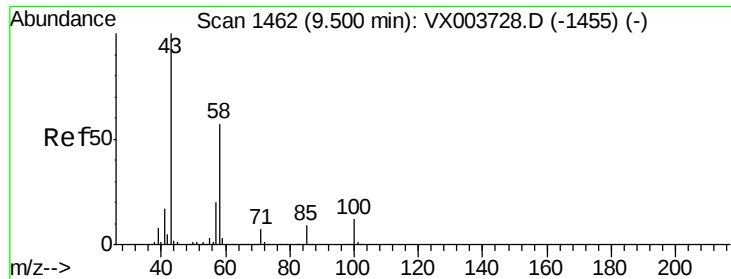
106 27.1 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

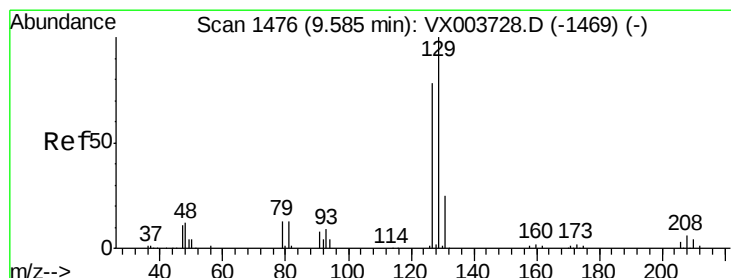
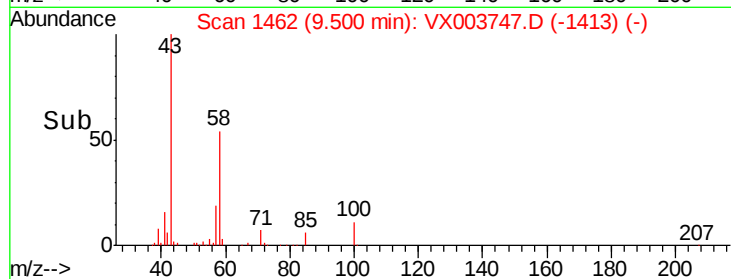
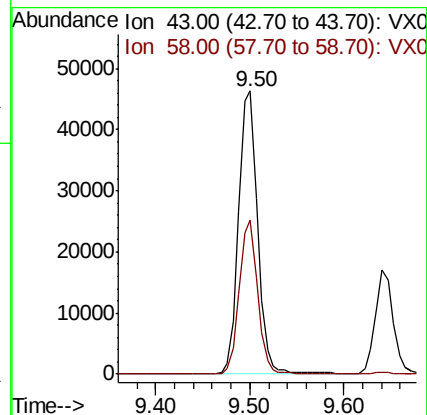
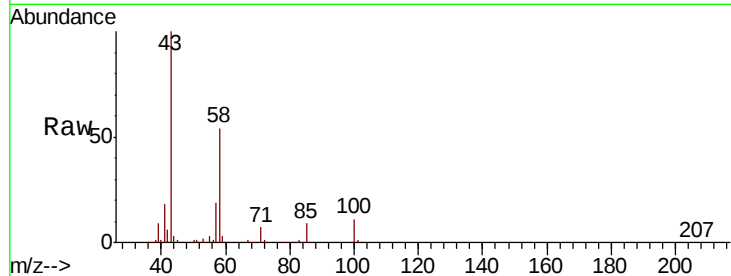




#59
2-Hexanone
Concen: 98.76 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

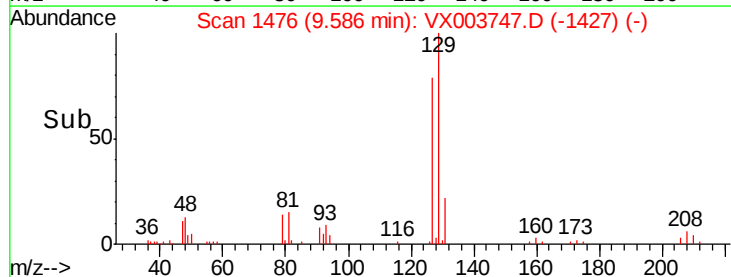
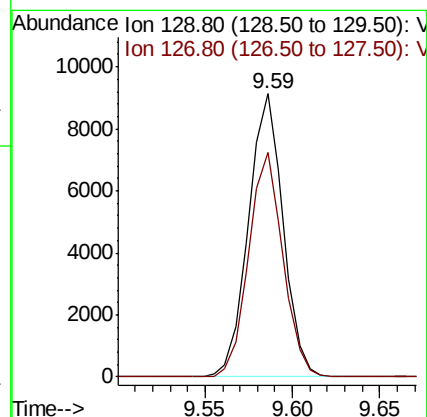
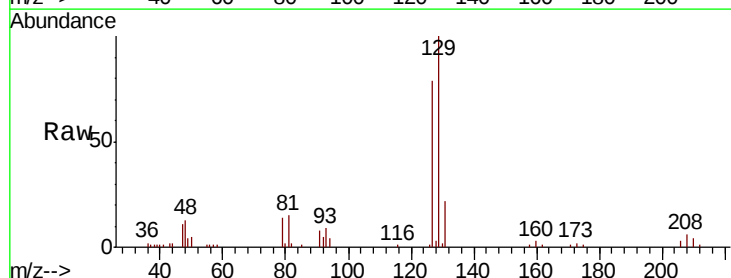
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBSD01

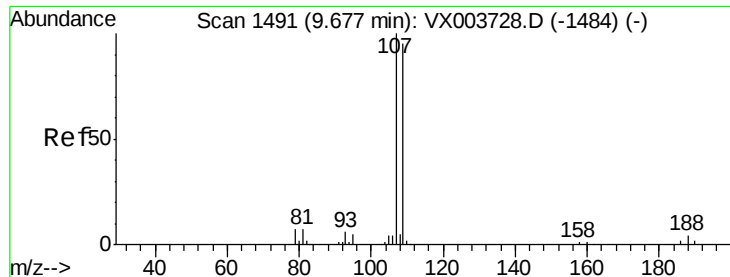
Tot Ion: 43 Resp: 65108
Ion Ratio Lower Upper
43 100
58 52.8 28.0 83.9



#60
Dibromochloromethane
Concen: 17.61 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 129 Resp: 12553
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 18.34 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

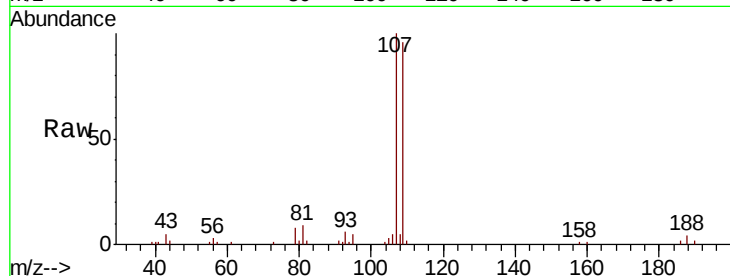
VX0731SBSD01

Tot Ion:107 Resp: 13254

Ion Ratio Lower Upper

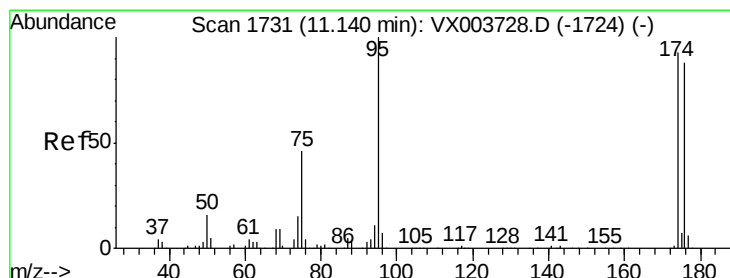
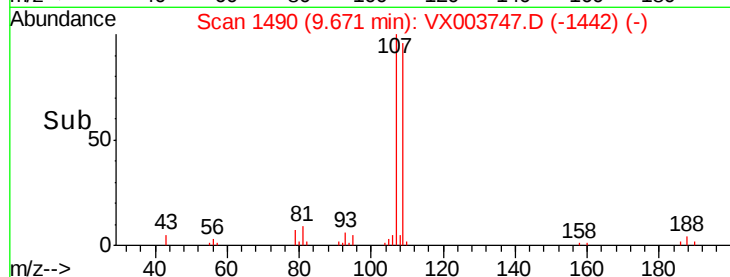
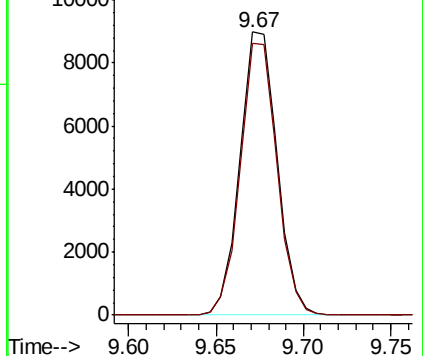
107 100

109 94.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

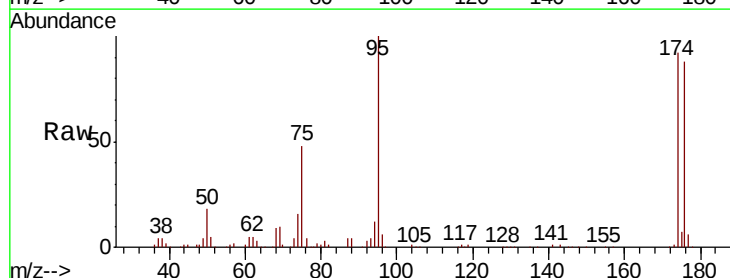
Tgt Ion: 95 Resp: 52657

Ion Ratio Lower Upper

95 100

174 90.4 0.0 186.2

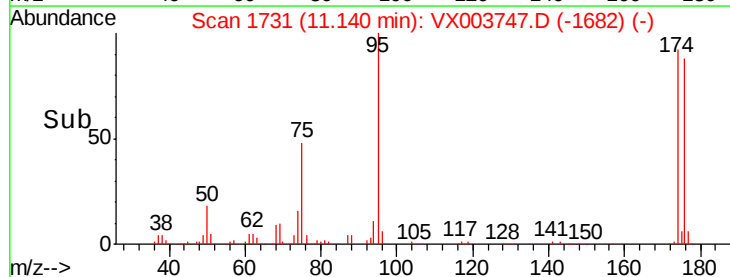
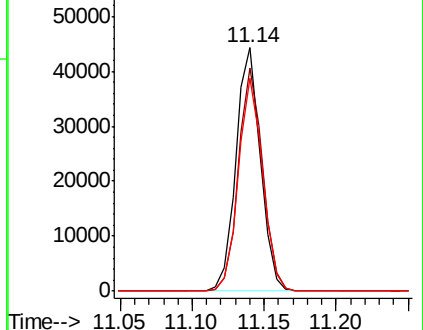
176 86.7 0.0 179.2

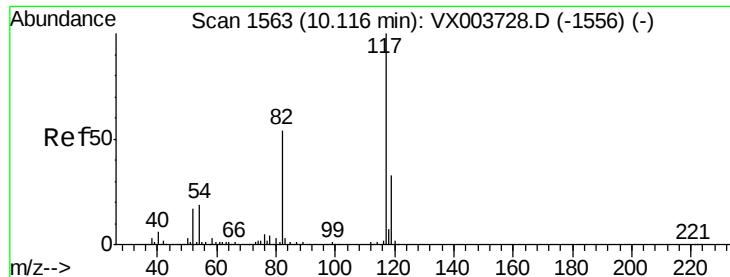


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

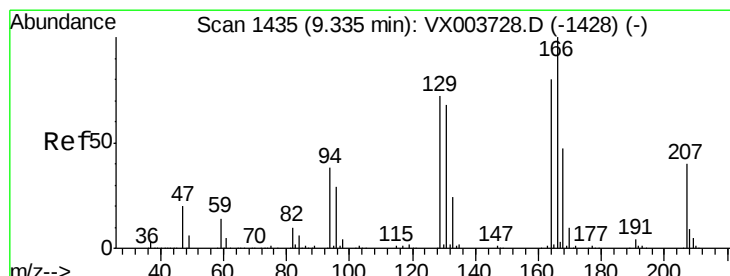
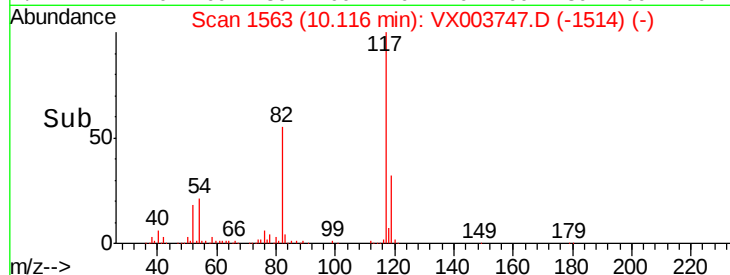
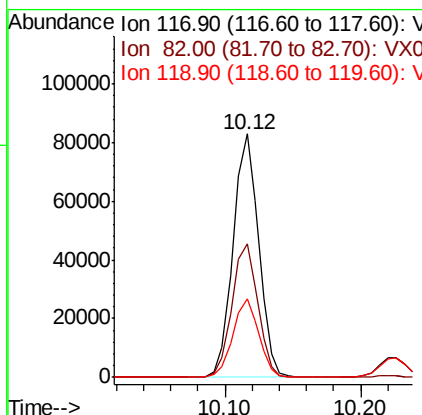
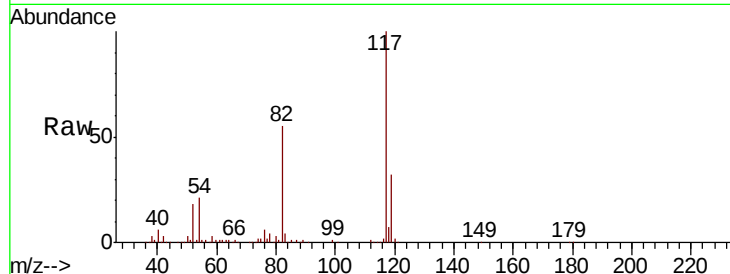




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

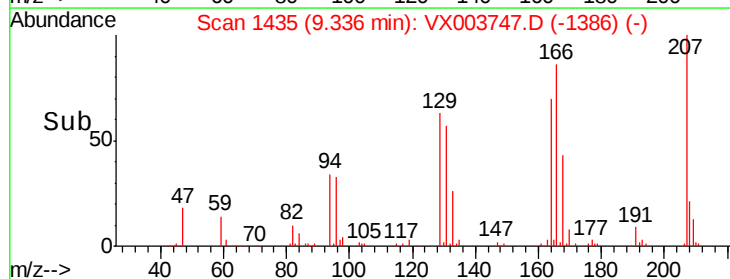
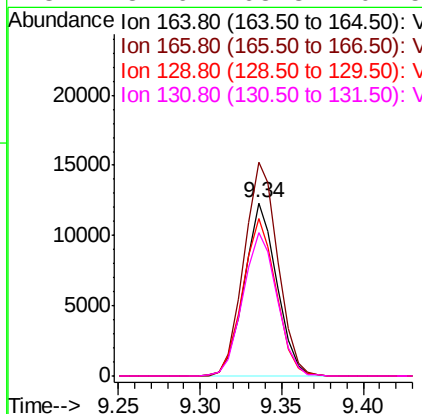
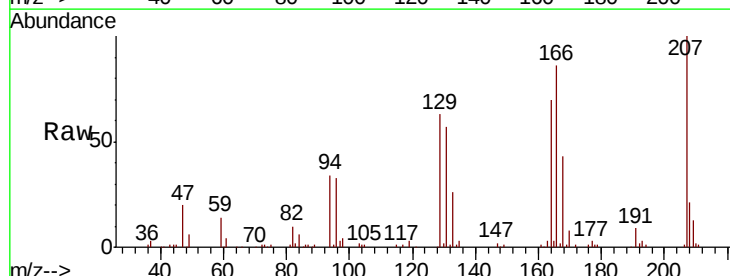
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

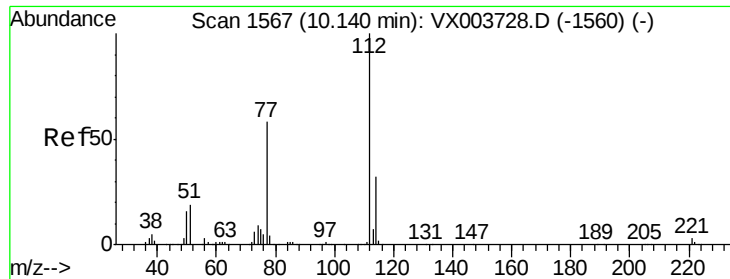
Tot Ion:117 Resp: 108405
Ion Ratio Lower Upper
117 100
82 54.8 43.2 64.8
119 32.1 26.3 39.5



#64
Tetrachloroethene
Concen: 20.09 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion:164 Resp: 17116
Ion Ratio Lower Upper
164 100
166 123.5 100.4 150.6
129 90.7 71.8 107.8
131 82.6 68.3 102.5

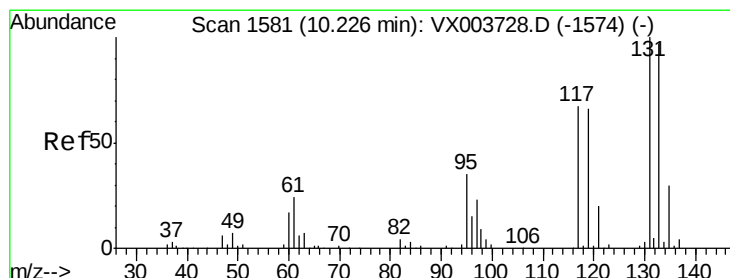
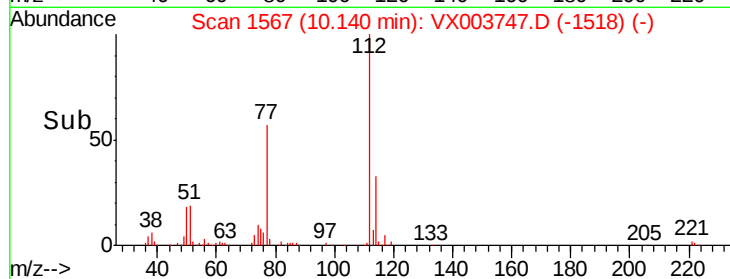
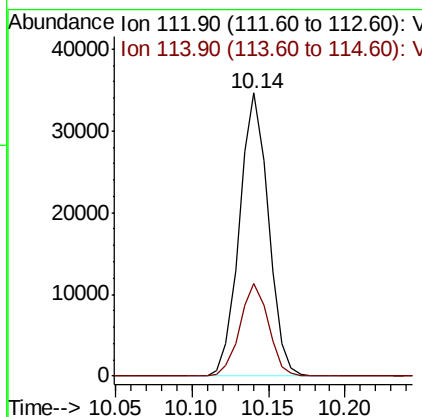
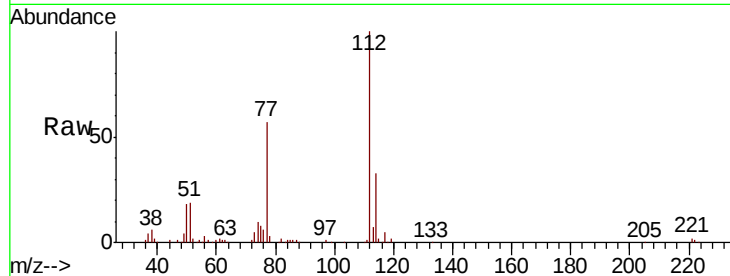




#65
Chlorobenzene
Concen: 20.08 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

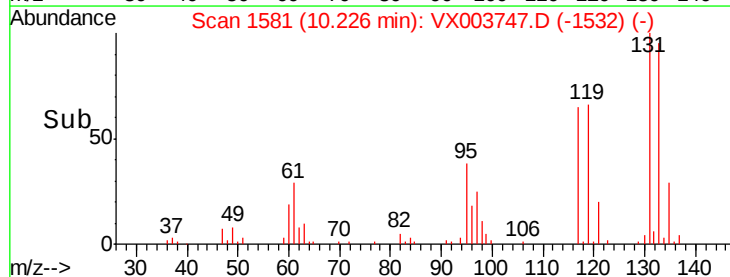
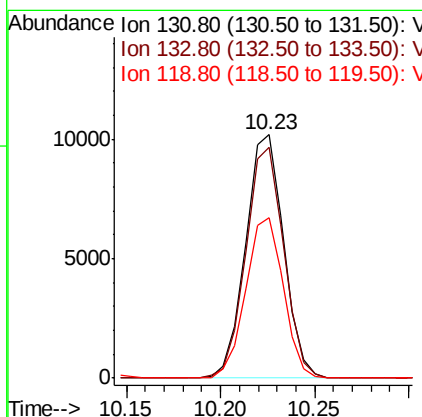
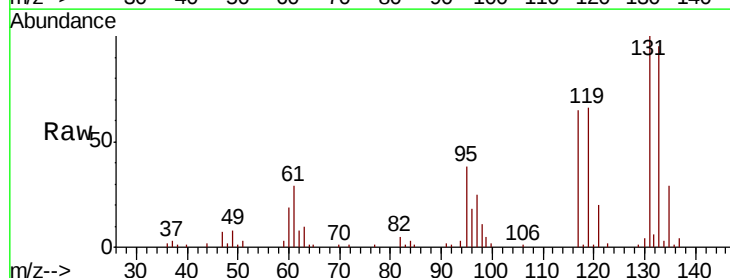
Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS01

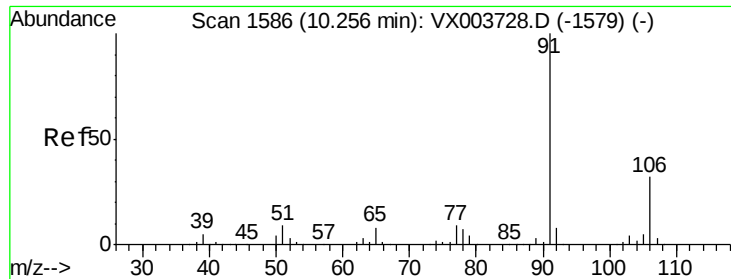
Tot Ion:112 Resp: 45499
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.22 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion:131 Resp: 14199
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.9
119 65.6 32.8 98.3

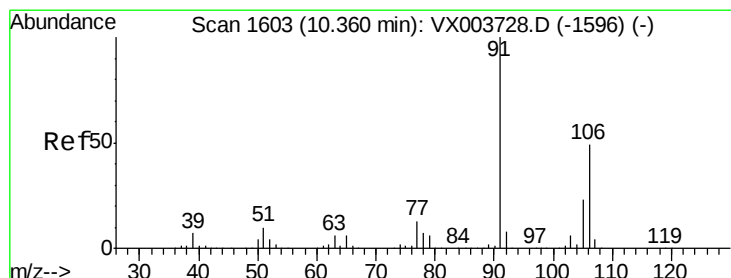
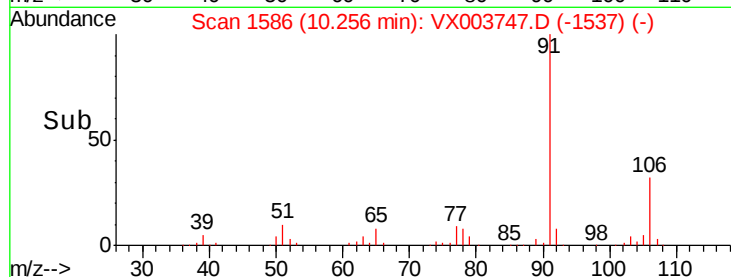
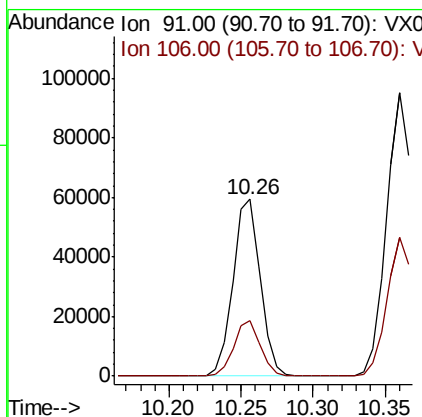
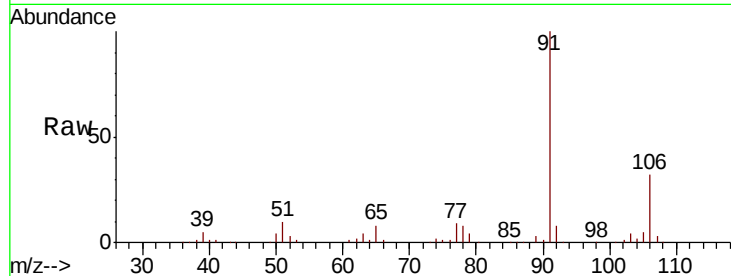




#67
Ethyl Benzene
Concen: 20.66 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

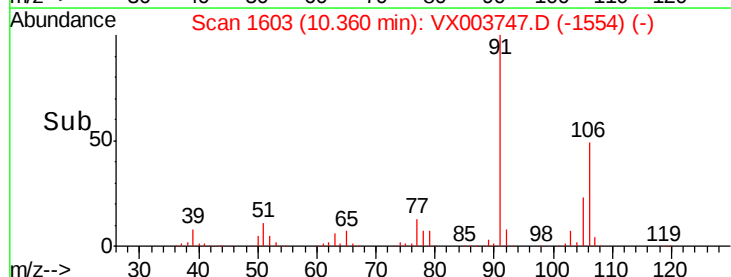
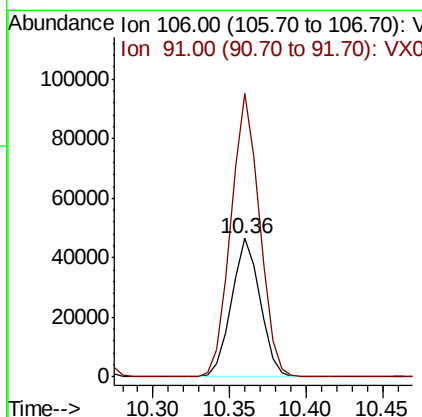
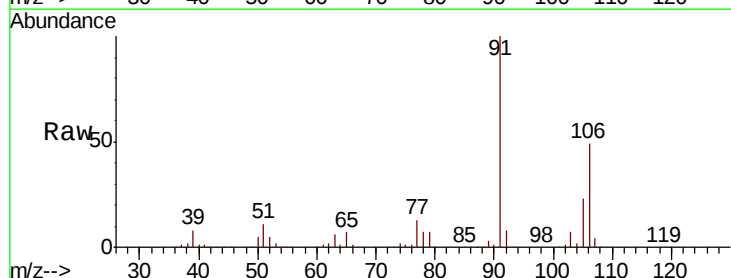
Instrument :
MSVOA_X
ClientSampled :
VX0731SBS01

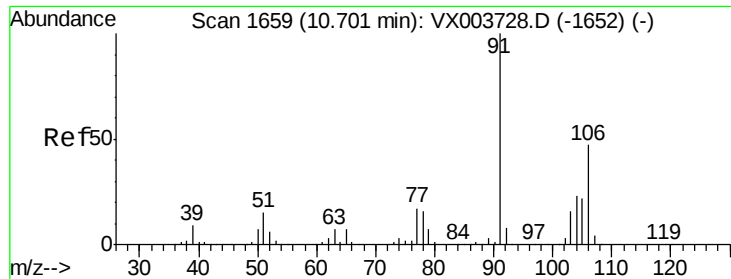
Tot Ion: 91 Resp: 79011
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 40.37 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion: 106 Resp: 60410
Ion Ratio Lower Upper
106 100
91 204.8 159.8 239.8

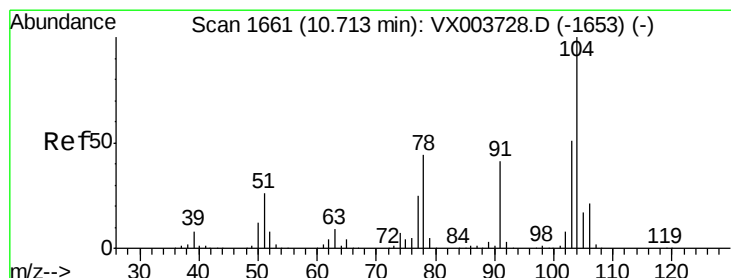
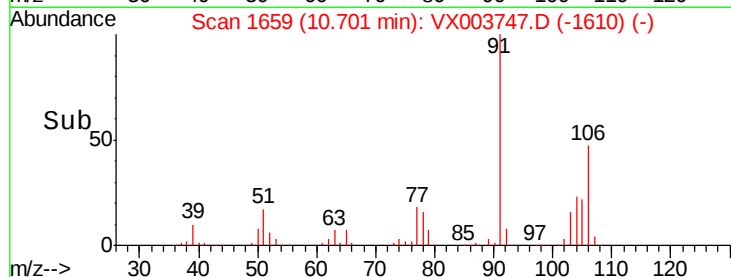
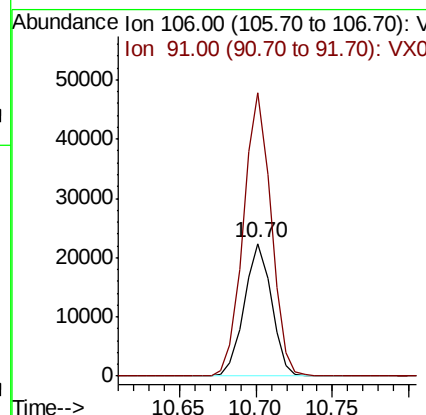
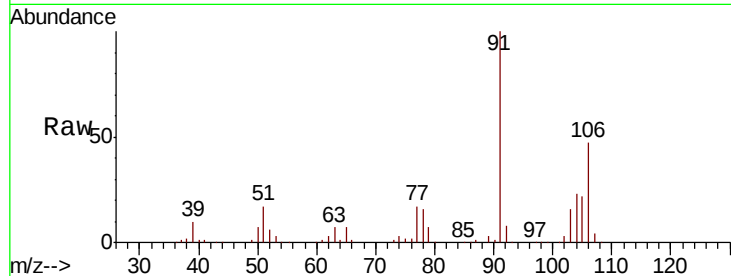




#69
o-Xylene
Concen: 19.95 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

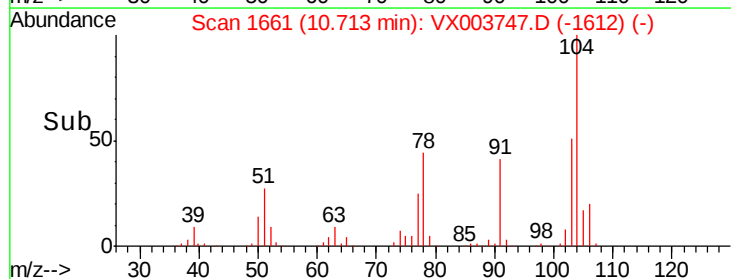
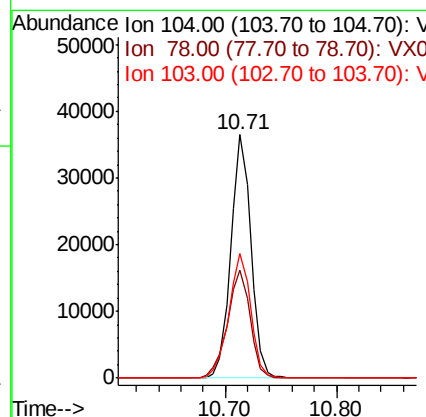
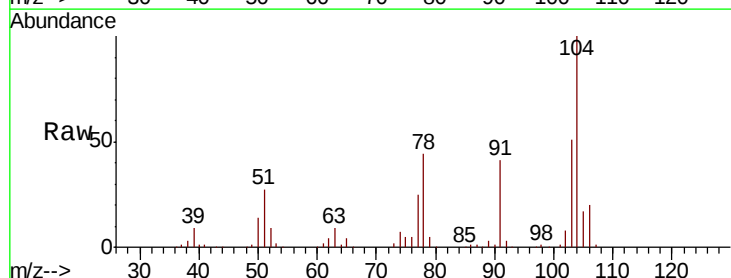
Instrument :
MSVOA_X
ClientSampled :
VX0731SBS01

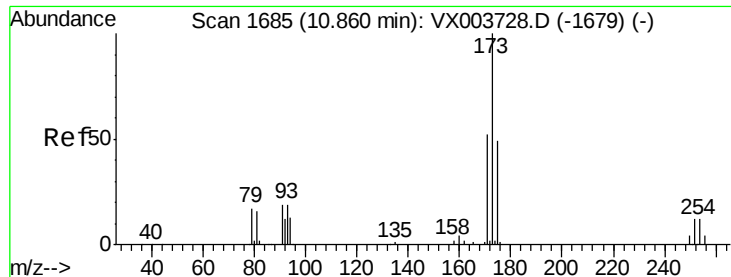
Tot Ion:106 Resp: 27721
Ion Ratio Lower Upper
106 100
91 216.1 105.6 316.8



#70
Styrene
Concen: 19.55 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003747.D
Acq: 31 Jul 2018 14:03

Tgt Ion:104 Resp: 45685
Ion Ratio Lower Upper
104 100
78 49.9 38.2 57.2
103 55.9 44.5 66.7





#71

Bromoform

Concen: 16.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

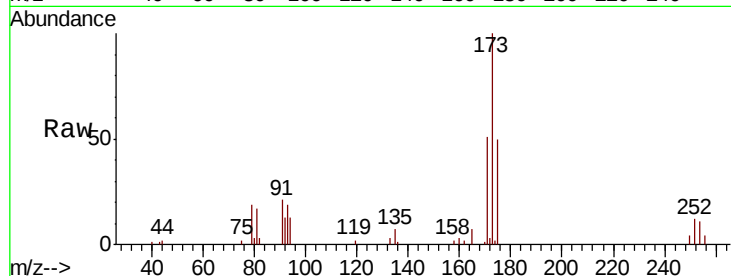
Tot Ion:173 Resp: 8570

Ion Ratio Lower Upper

173 100

175 49.2 24.9 74.6

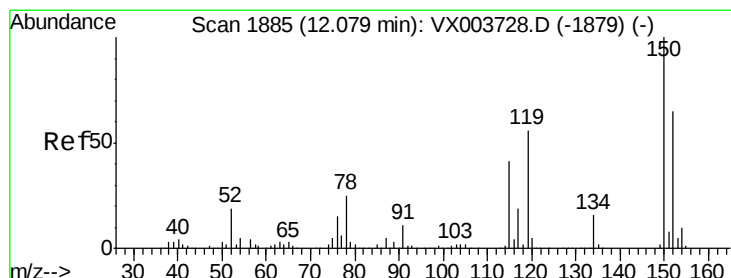
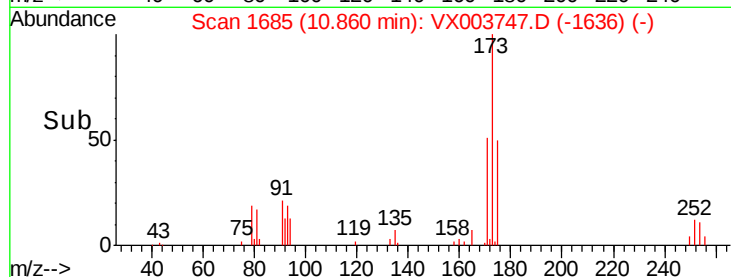
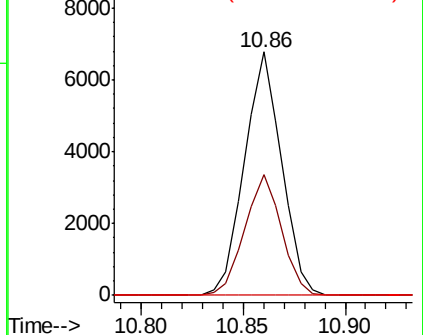
254 0.0 0.0 0.0



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: VX003747.D

Acq: 31 Jul 2018 14:03

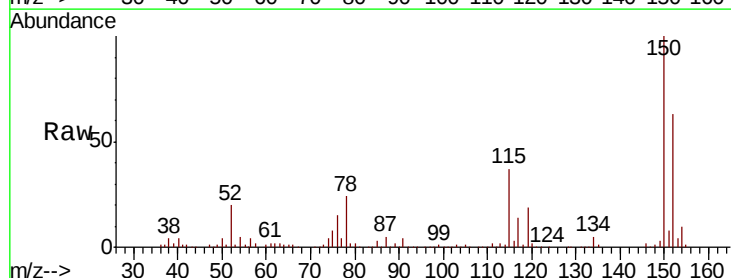
Tgt Ion:152 Resp: 60186

Ion Ratio Lower Upper

152 100

115 66.0 38.5 115.3

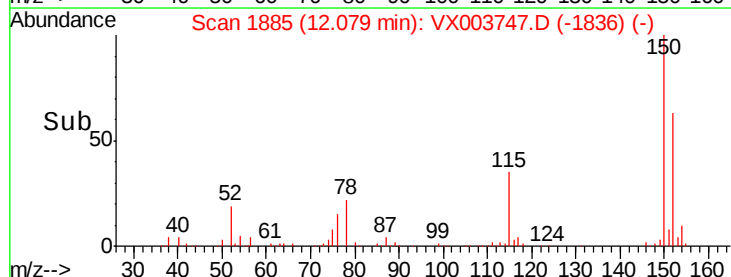
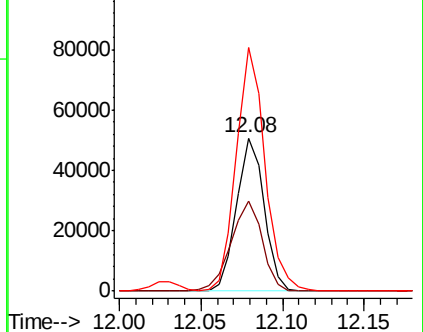
150 164.4 0.0 346.2

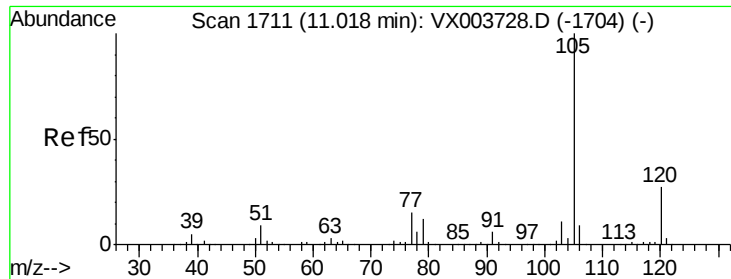


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.10 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

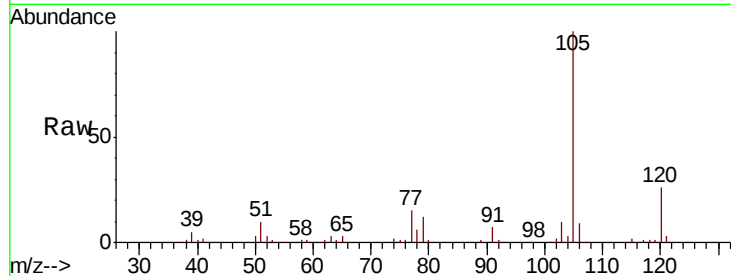
VX0731SBS01

Tot Ion:105 Resp: 79513

Ion Ratio Lower Upper

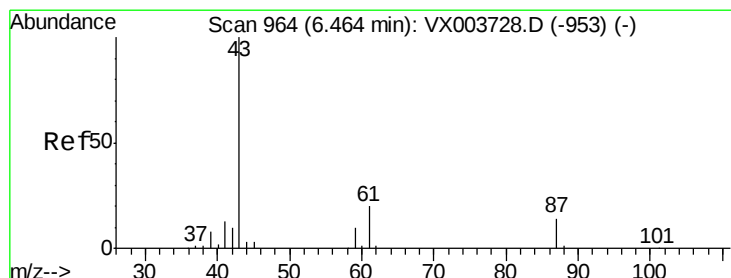
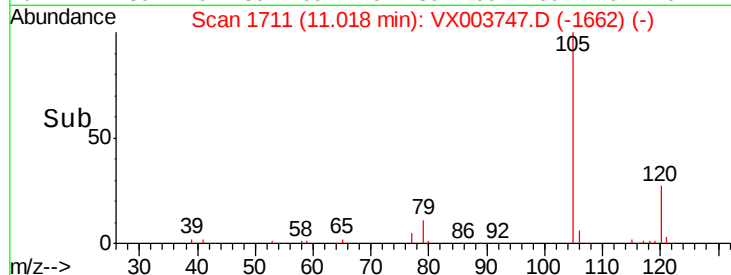
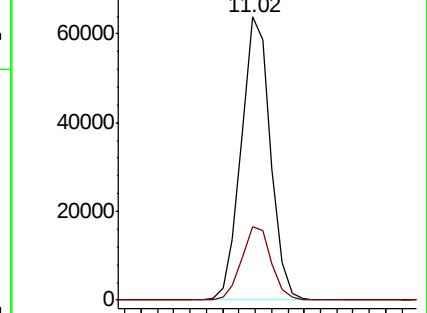
105 100

120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.64 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Tgt Ion: 43 Resp: 26231

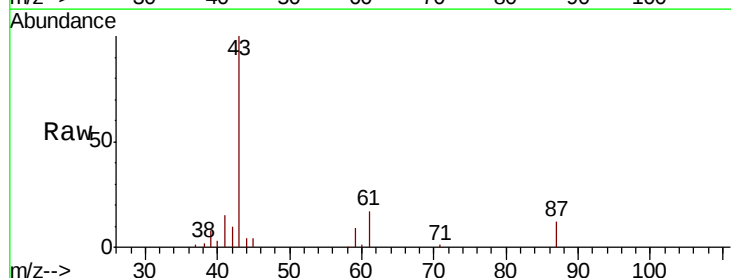
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

61 19.0 17.8 26.8

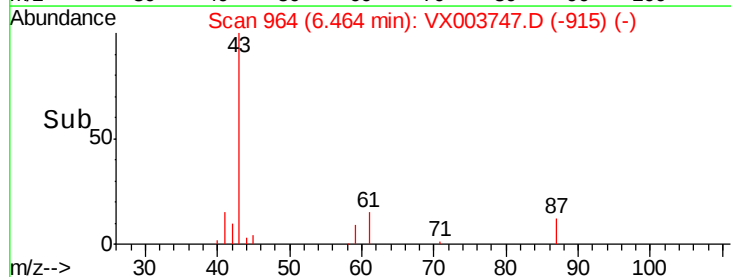
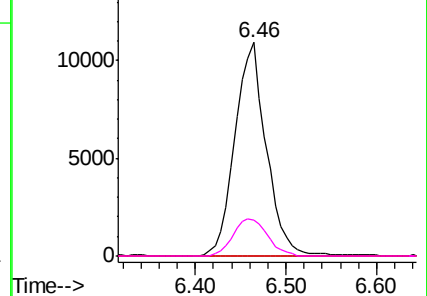


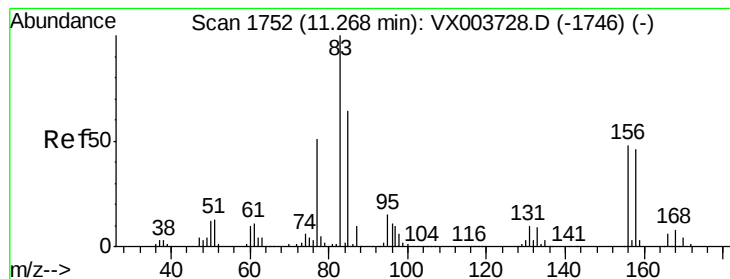
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.82 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

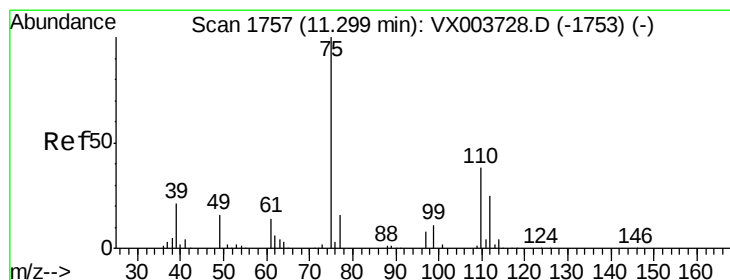
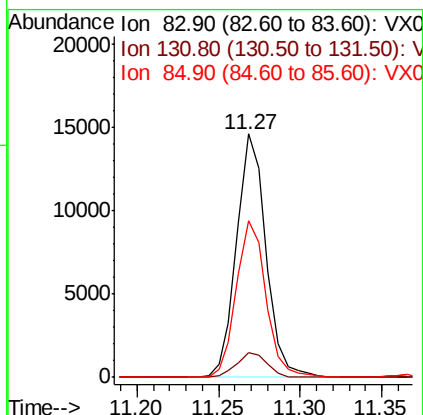
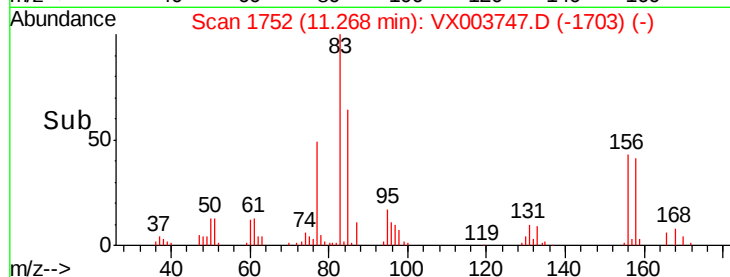
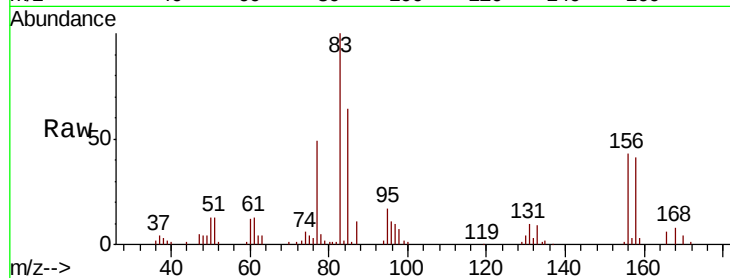
Tot Ion: 83 Resp: 18436

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.9

85 64.6 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 25.07 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003747.D

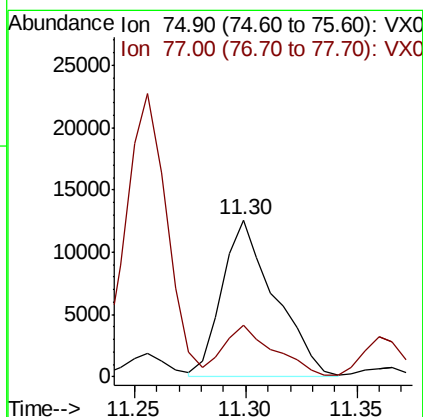
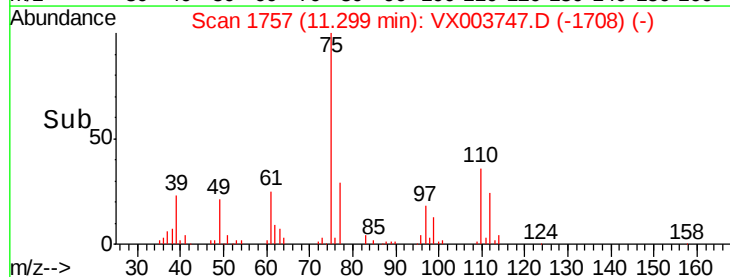
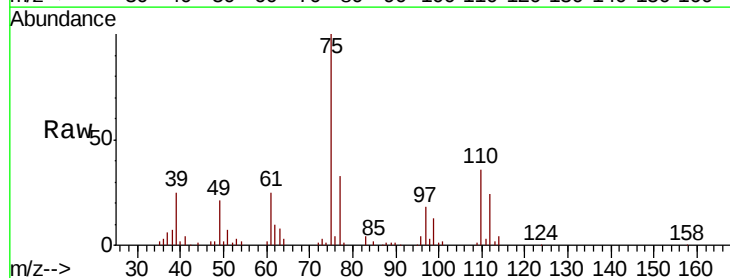
Acq: 31 Jul 2018 14:03

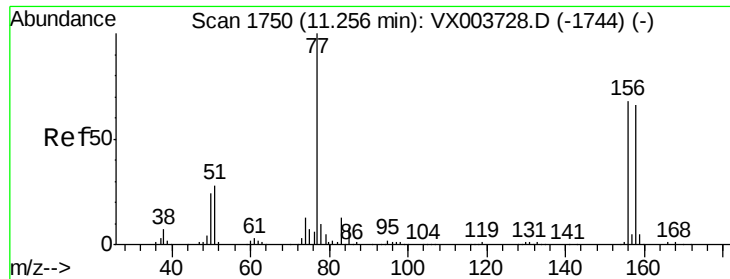
Tgt Ion: 75 Resp: 20797

Ion Ratio Lower Upper

75 100

77 32.0 21.6 65.0





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

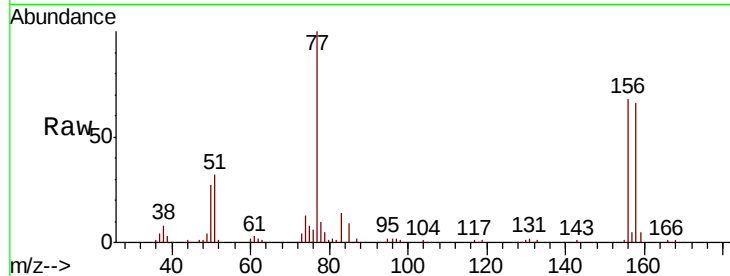
Tot Ion:156 Resp: 19568

Ion Ratio Lower Upper

156 100

77 148.7 71.8 215.3

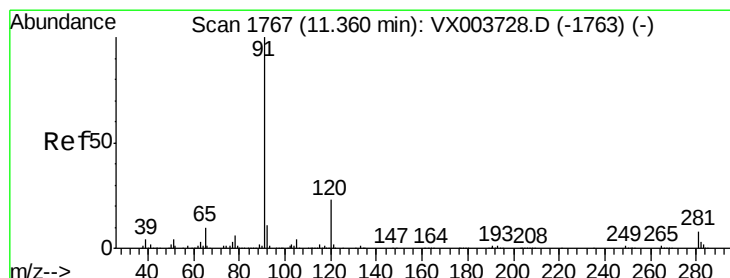
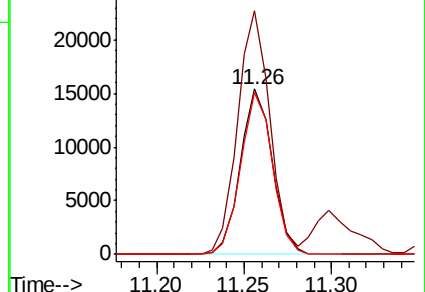
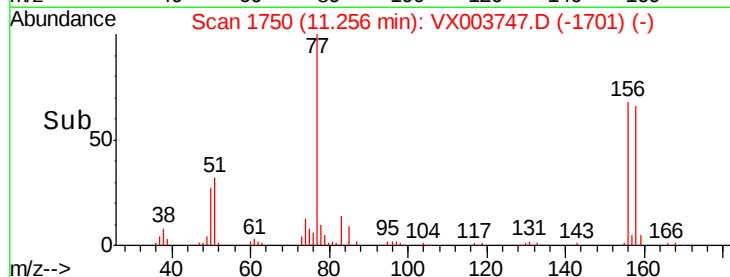
158 97.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.16 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003747.D

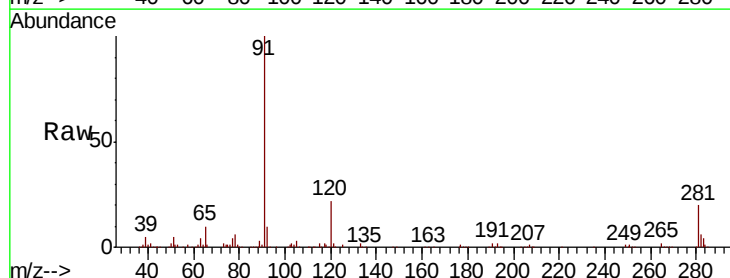
Acq: 31 Jul 2018 14:03

Tgt Ion: 91 Resp: 96580

Ion Ratio Lower Upper

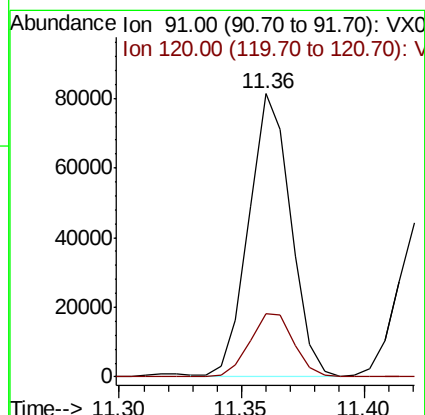
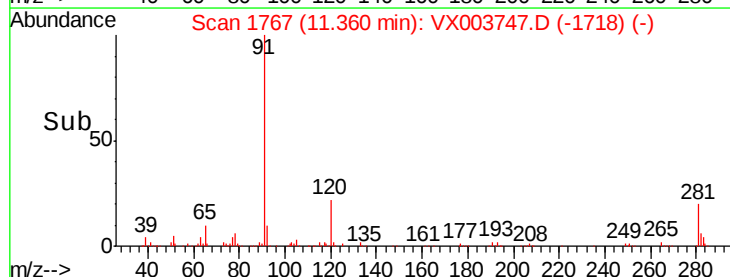
91 100

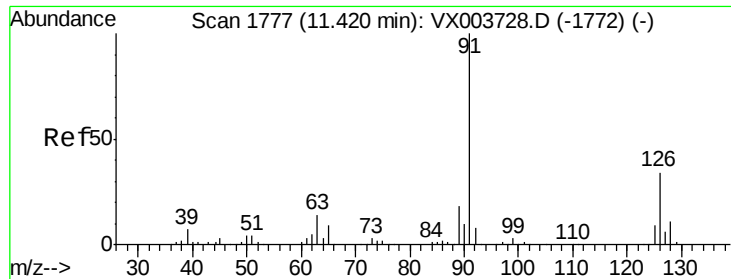
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

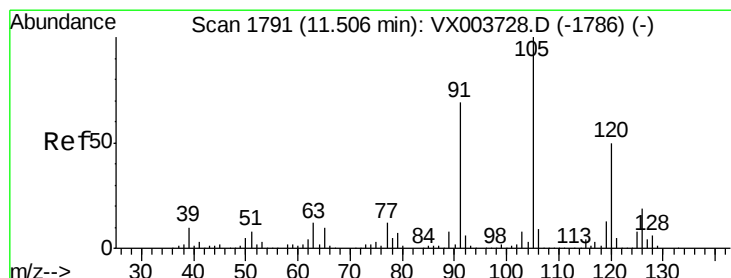
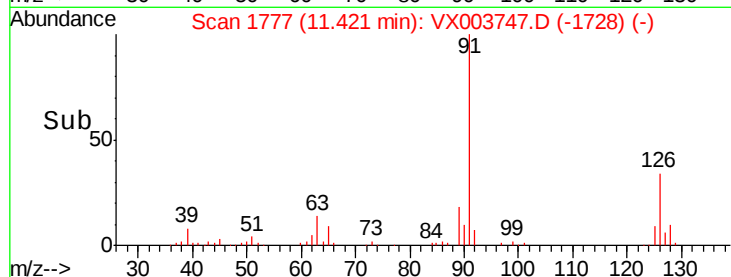
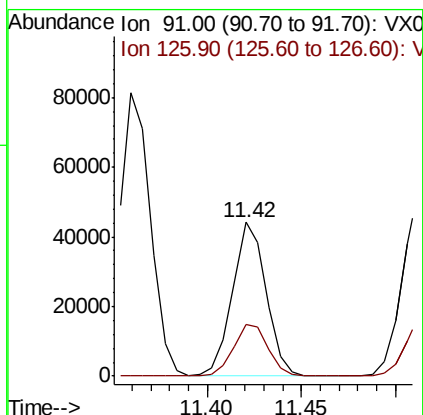
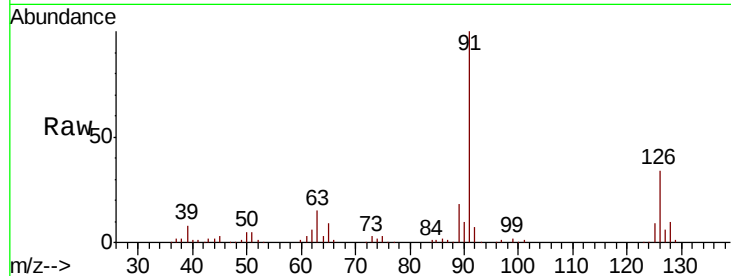




#79
 2-Chlorotoluene
 Concen: 20.92 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

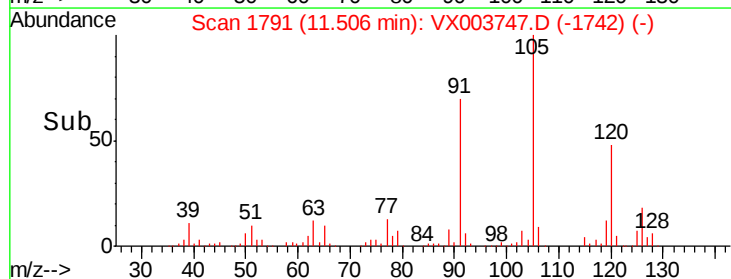
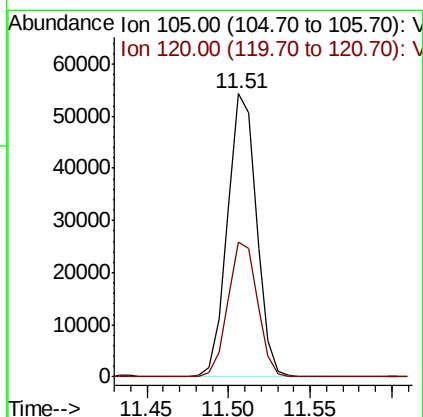
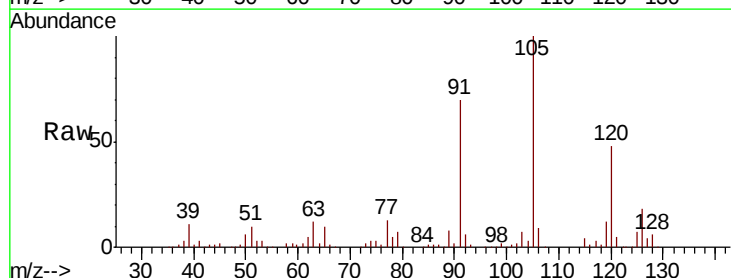
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

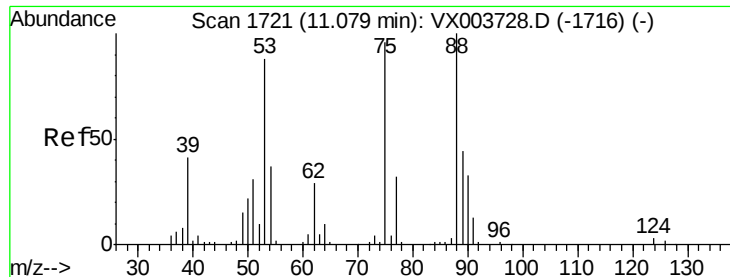
Tot Ion: 91 Resp: 54212
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.84 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion: 105 Resp: 67033
 Ion Ratio Lower Upper
 105 100
 120 48.4 15.8 47.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 17.41 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

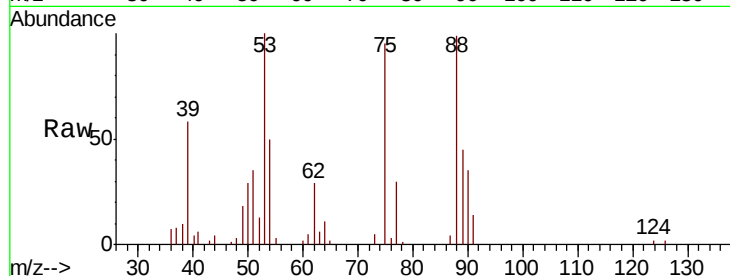
Tot Ion: 75 Resp: 4877

Ion Ratio Lower Upper

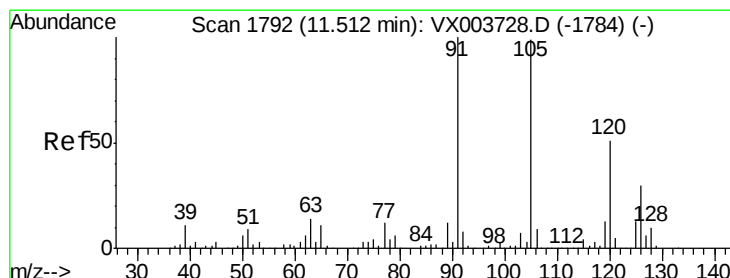
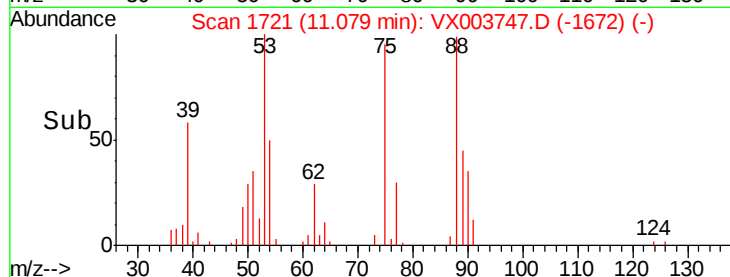
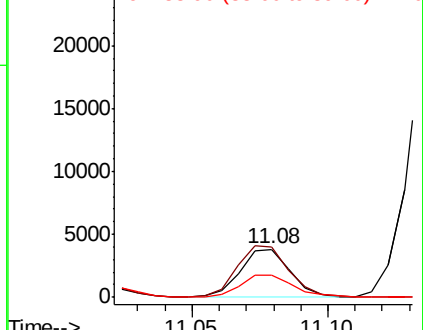
75 100

53 110.3 75.8 113.8

89 49.8 39.1 58.7



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



#82

4-Chlorotoluene

Concen: 20.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003747.D

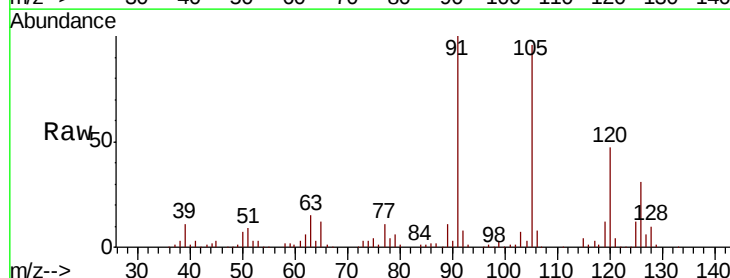
Acq: 31 Jul 2018 14:03

Tgt Ion: 91 Resp: 65471

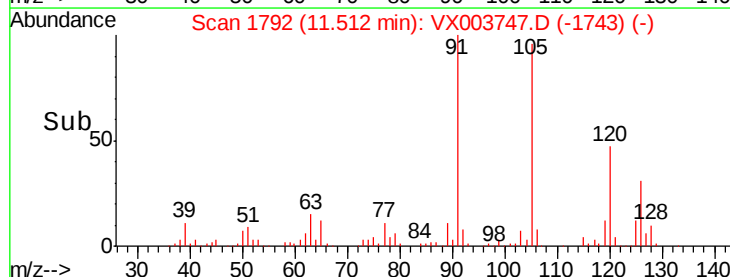
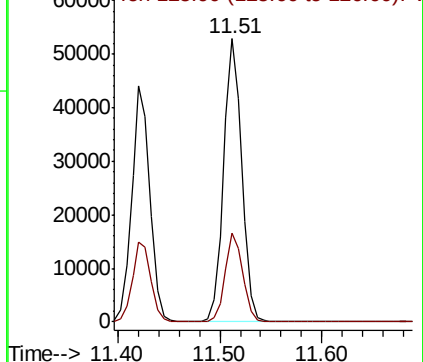
Ion Ratio Lower Upper

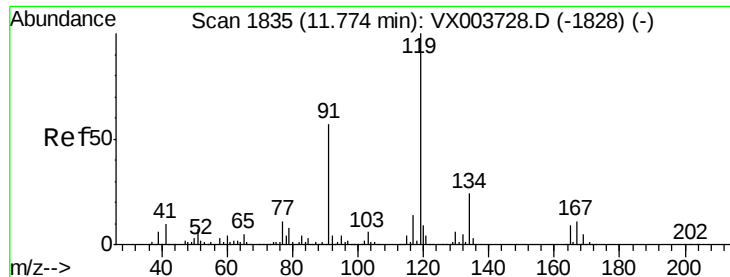
91 100

126 30.4 15.6 46.7



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

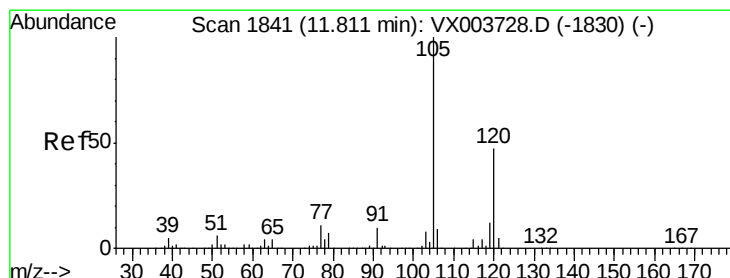
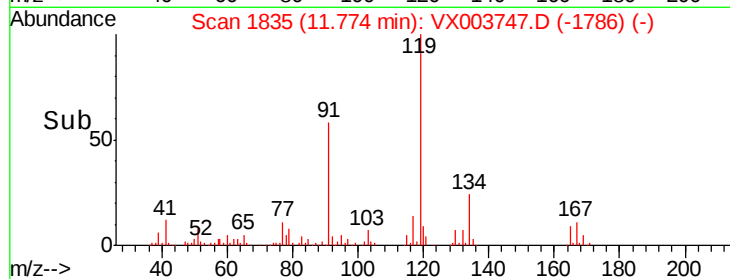
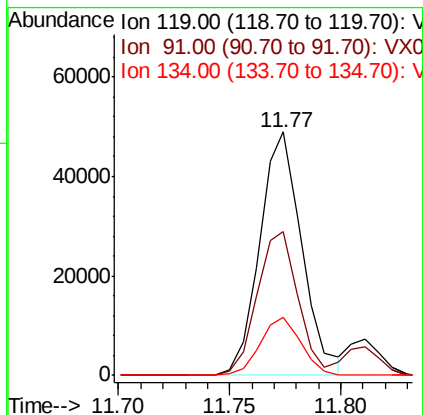
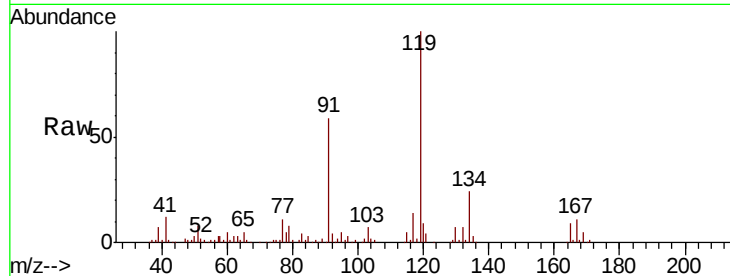




#83
 tert-Butylbenzene
 Concen: 20.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

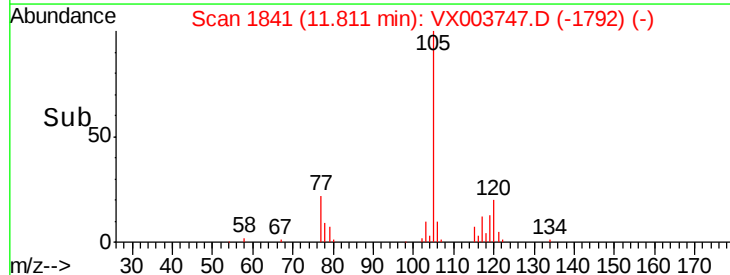
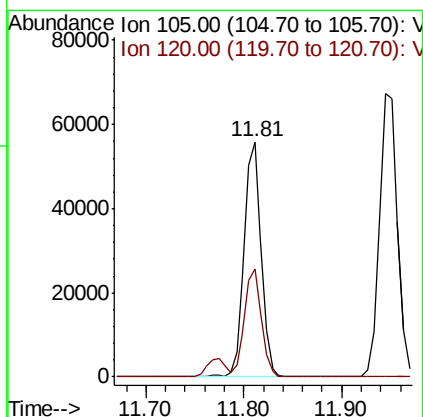
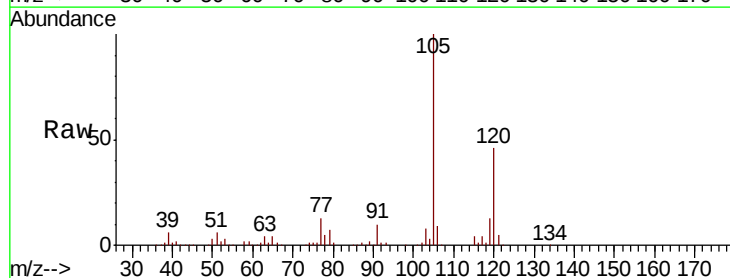
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

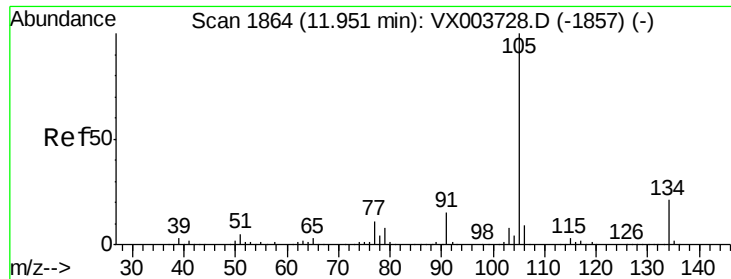
Tot Ion:119 Resp: 64288
 Ion Ratio Lower Upper
 119 100
 91 57.3 27.2 81.6
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.49 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion:105 Resp: 67833
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2

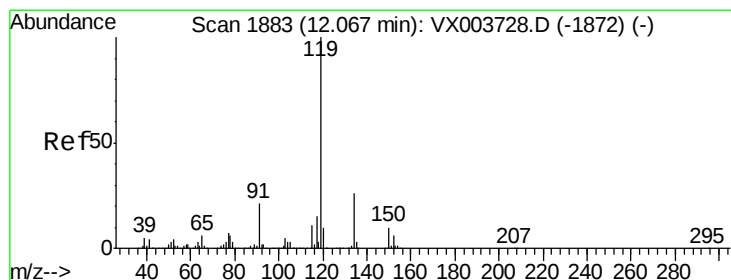
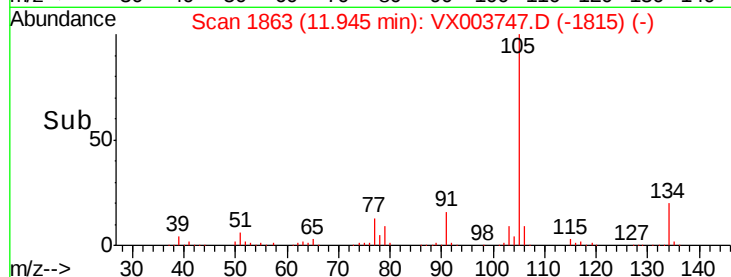
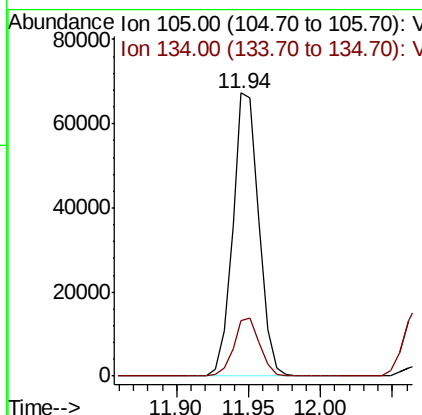
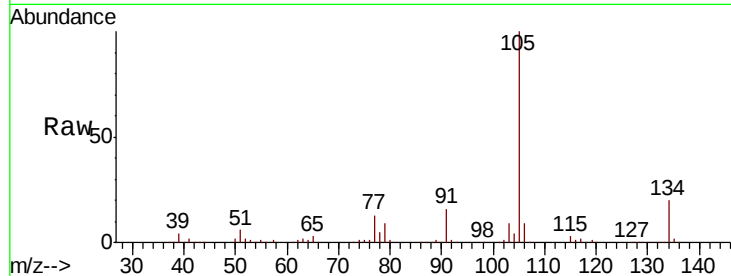




#85
 sec-Butylbenzene
 Concen: 20.90 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

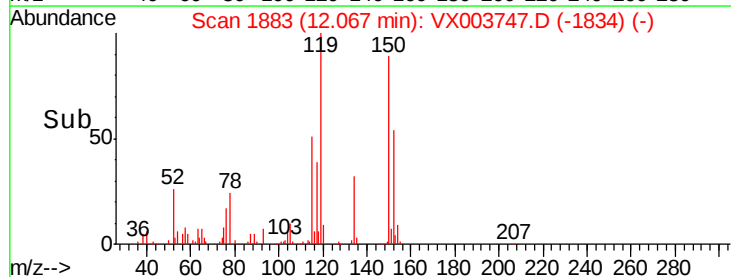
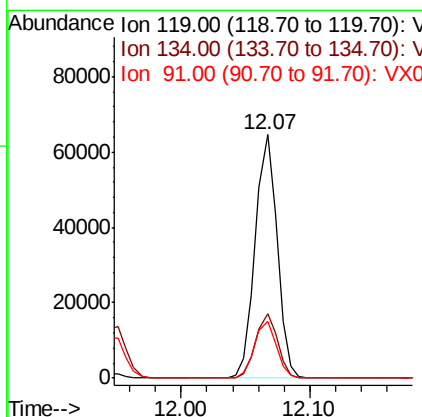
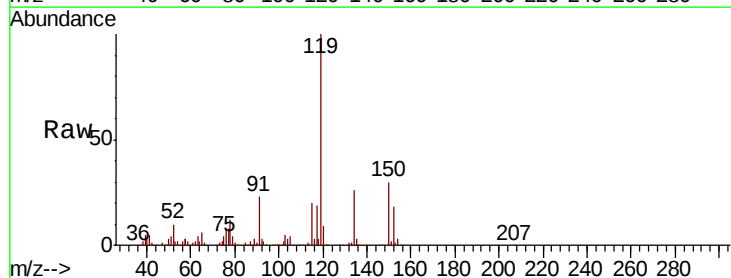
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

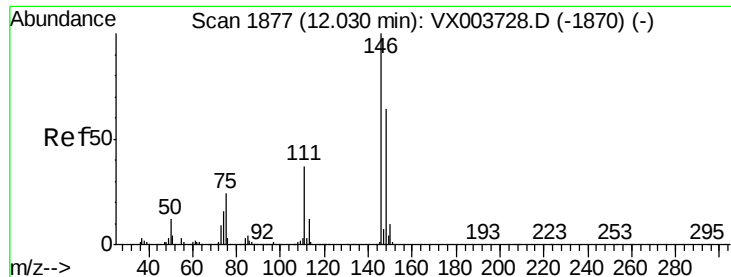
Tot Ion:105 Resp: 85035
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.45 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion:119 Resp: 75626
 Ion Ratio Lower Upper
 119 100
 134 26.4 10.1 30.1
 91 23.3 23.6 70.8#





#87

1,3-Dichlorobenzene

Concen: 19.75 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

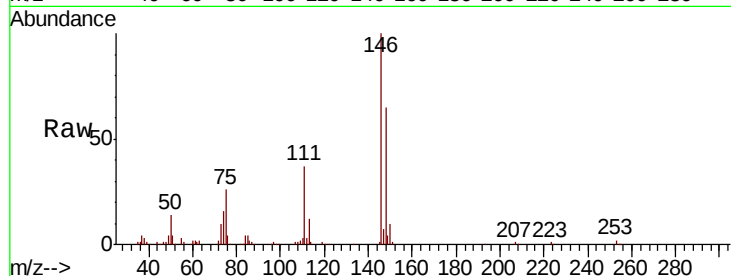
Tot Ion:146 Resp: 39254

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

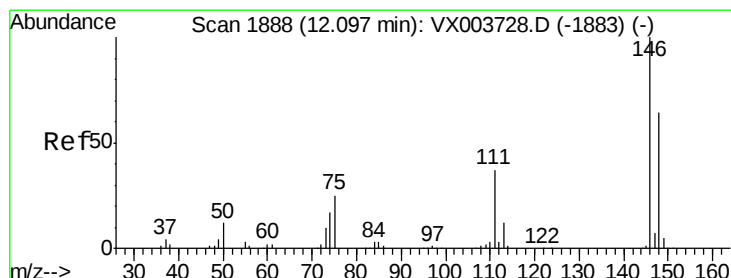
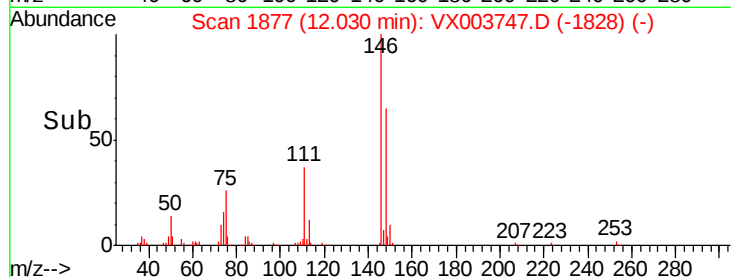
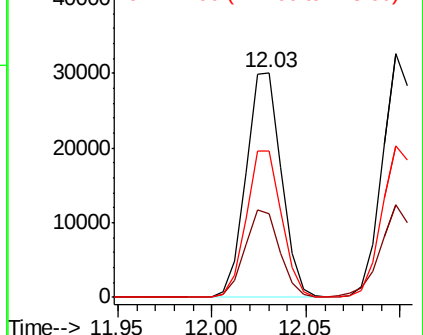
148 64.8 31.9 95.9



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: 19.74 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

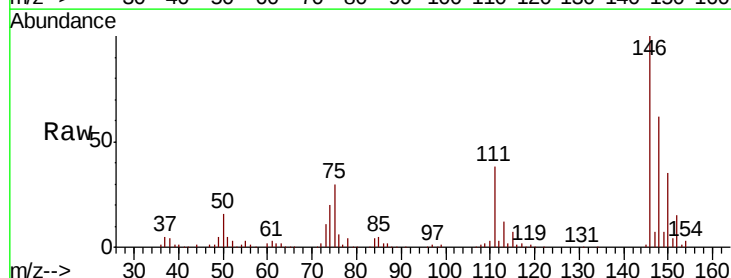
Tgt Ion:146 Resp: 40020

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.9

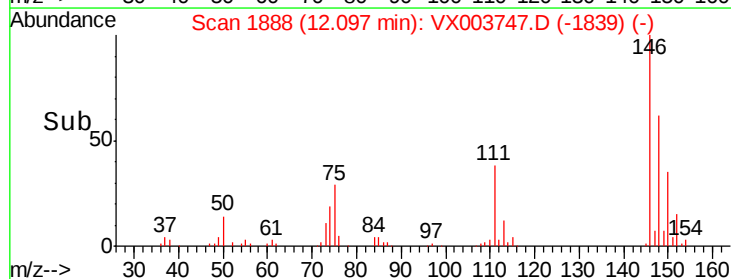
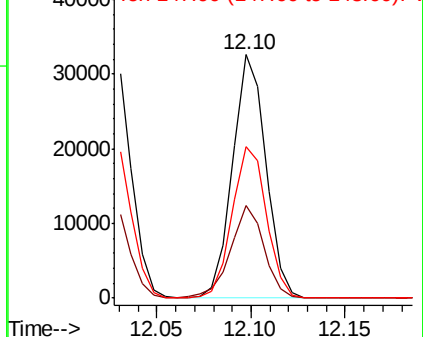
148 64.4 32.0 96.2

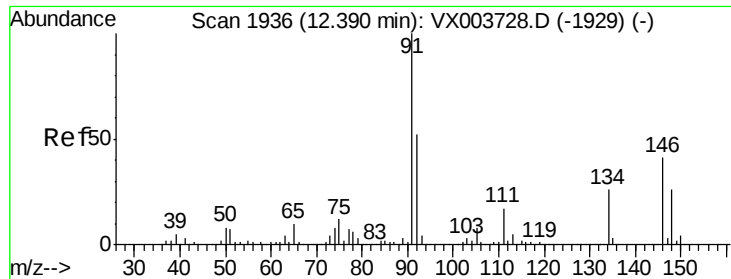


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.05 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

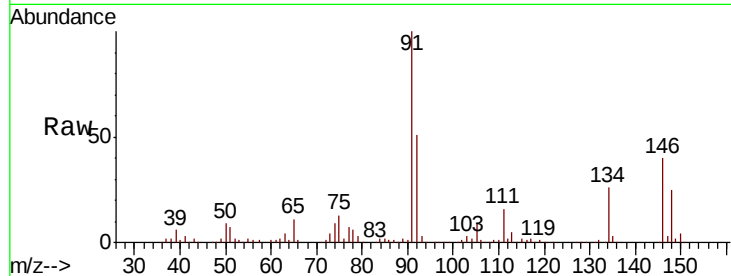
Tot Ion: 91 Resp: 74114

Ion Ratio Lower Upper

91 100

92 51.2 26.2 78.5

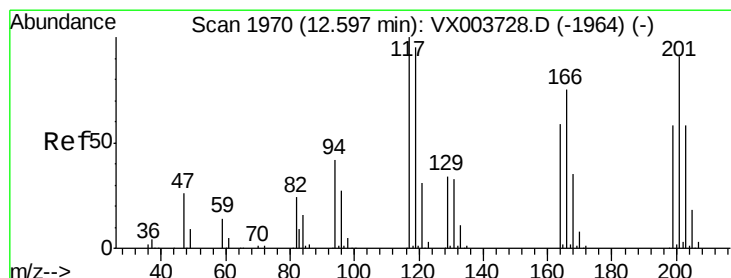
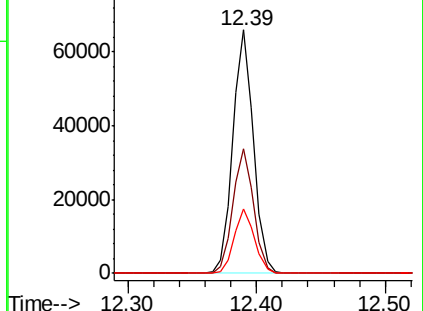
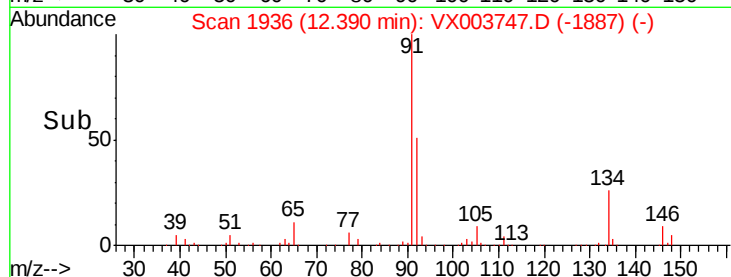
134 25.9 13.6 40.7



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: 19.70 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003747.D

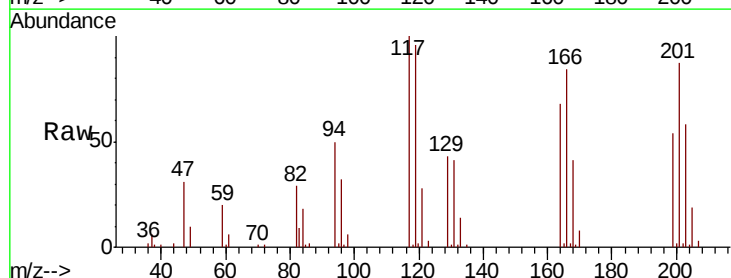
Acq: 31 Jul 2018 14:03

Tgt Ion: 117 Resp: 10817

Ion Ratio Lower Upper

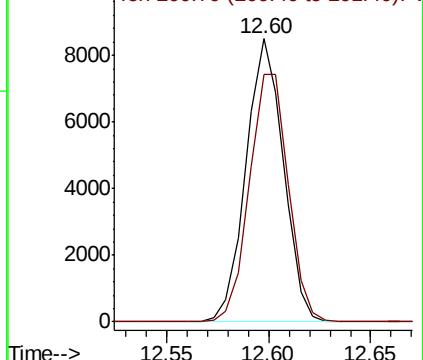
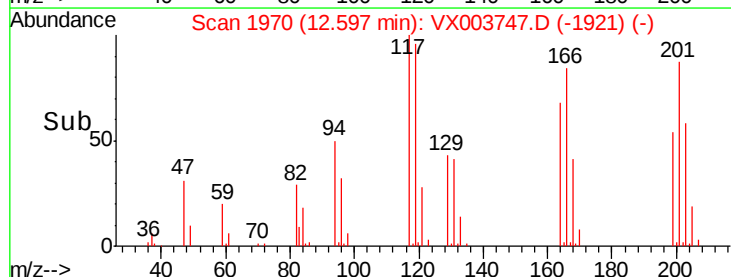
117 100

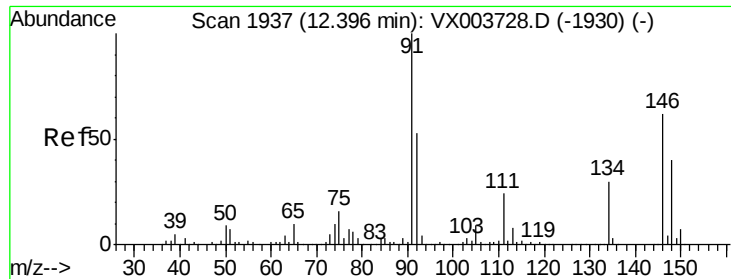
201 91.5 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.67 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

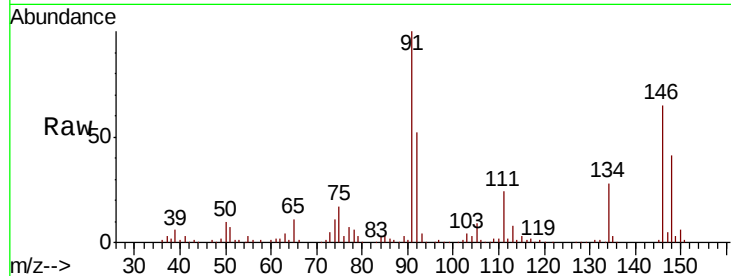
Tot Ion:146 Resp: 36392

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.4

148 63.6 32.0 96.0

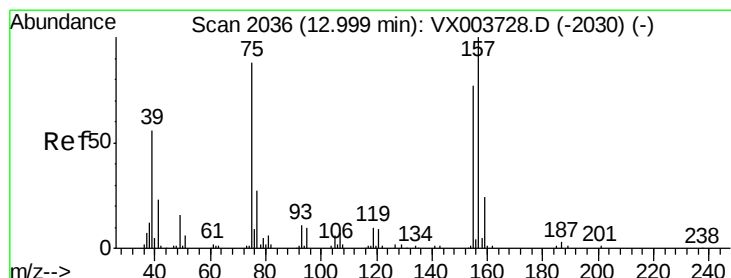
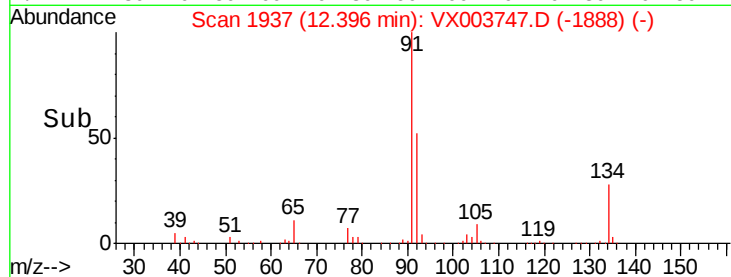
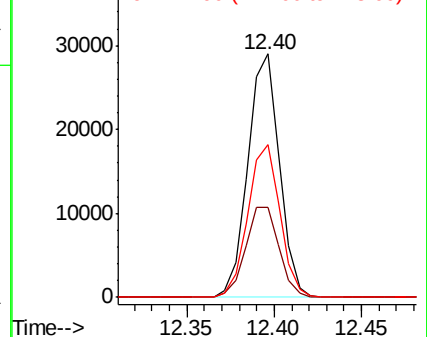


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.49 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

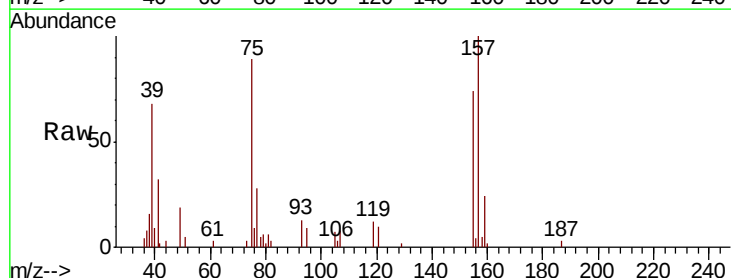
Tgt Ion: 75 Resp: 3788

Ion Ratio Lower Upper

75 100

155 92.1 48.9 146.7

157 116.7 63.7 191.1

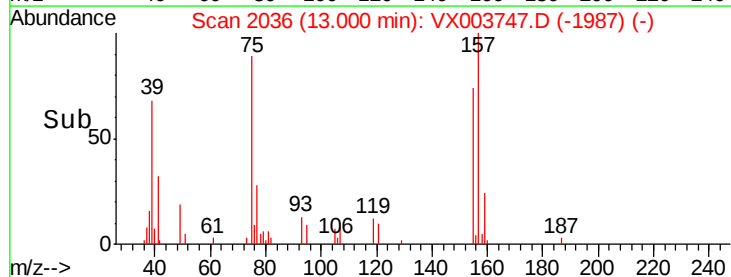
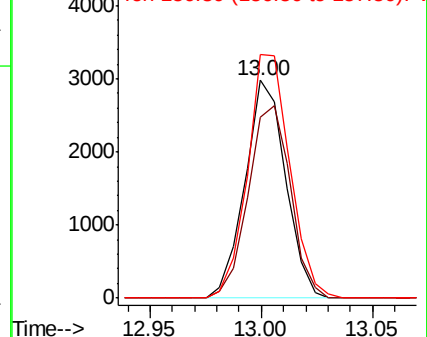


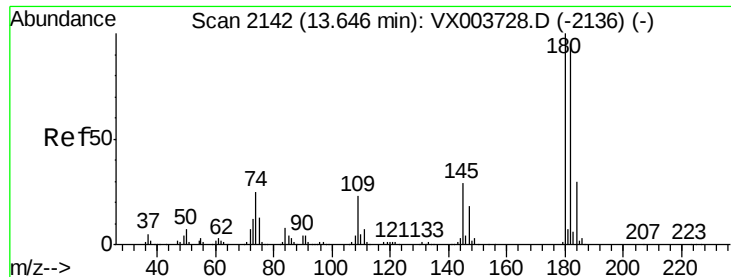
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

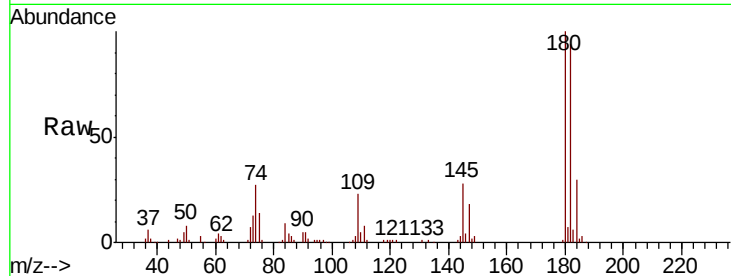




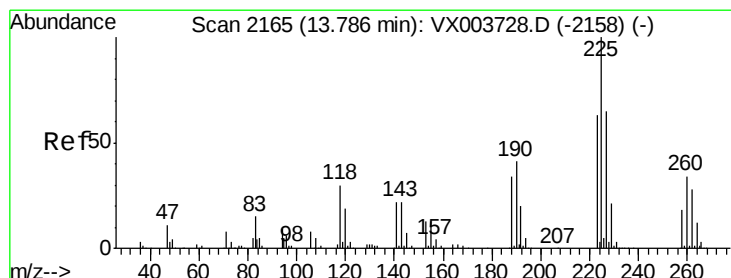
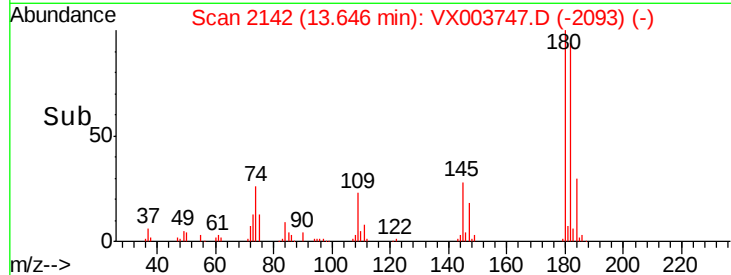
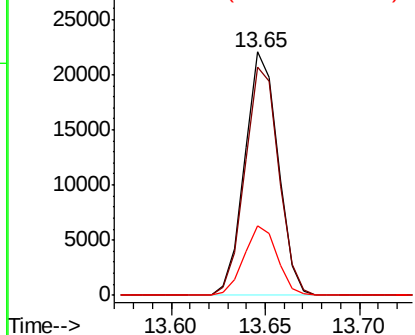
#93
 1,2,4-Trichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Tot Ion:180 Resp: 27003
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.6 142.9
 145 28.4 14.1 42.2

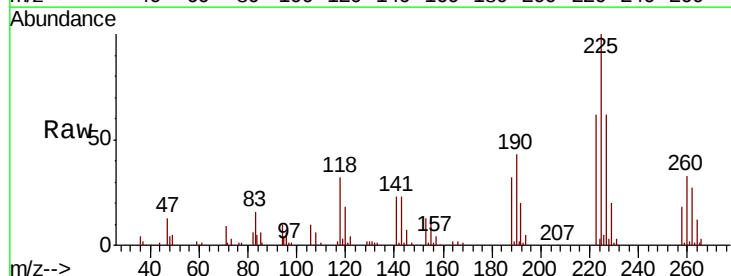


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

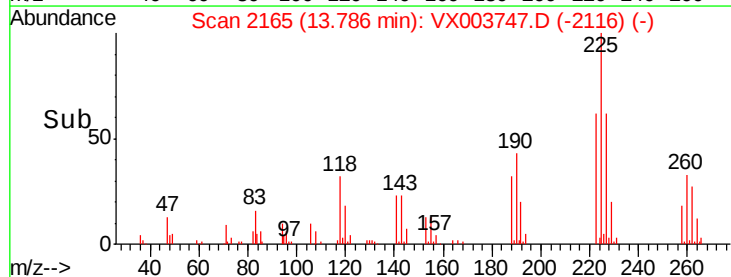
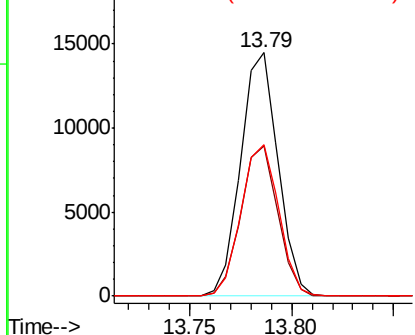


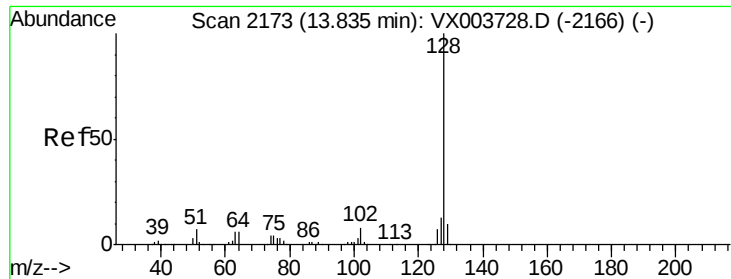
#94
 Hexachlorobutadiene
 Concen: 19.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003747.D
 Acq: 31 Jul 2018 14:03

Tgt Ion:225 Resp: 18428
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.1 93.5
 227 62.9 31.9 95.9



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: 18.12 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS01

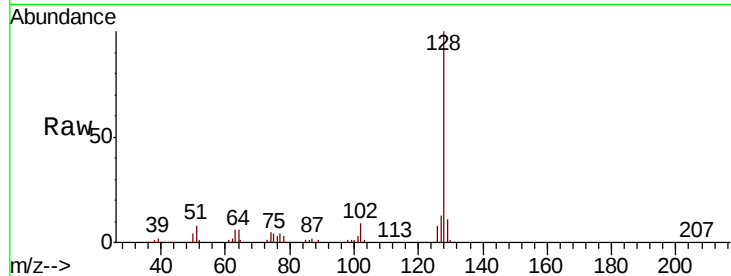
Tot Ion:128 Resp: 56847

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

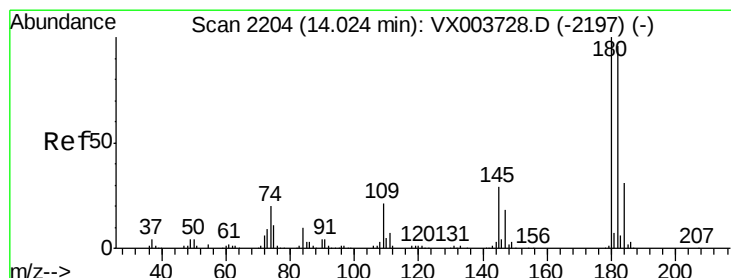
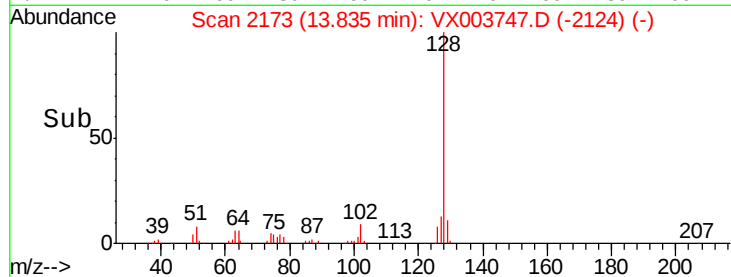
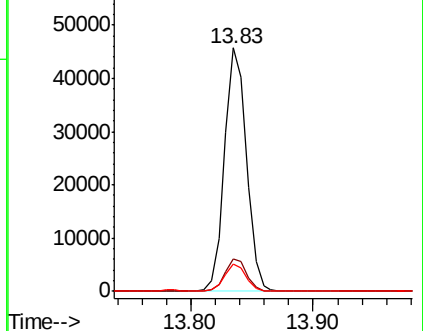
129 10.9 8.7 13.1



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: 18.42 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003747.D

Acq: 31 Jul 2018 14:03

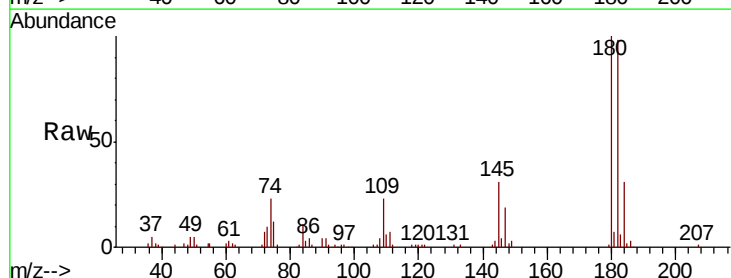
Tgt Ion:180 Resp: 24546

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 30.6 14.7 44.1



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

