

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003794.D
 Acq On : 01 Aug 2018 15:26
 Operator : JC/SP
 Sample : VX0801SBS01
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:53:51 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	117816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	160678	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	141153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	53699	45.07	ug/l	-0.01
Spiked Amount						
			Recovery	=	90.14%	
35) Dibromofluoromethane	5.49	113	48919	51.71	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.42%	
50) Toluene-d8	8.71	98	190686	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.14	95	69320	47.66	ug/l	0.00
Spiked Amount						
			Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	20473	20.59	ug/l	91
3) Chloromethane	1.32	50	23788	19.03	ug/l	96
4) Vinyl Chloride	1.40	62	23566	17.53	ug/l #	88
5) Bromomethane	1.63	94	14524	18.56	ug/l	98
6) Chloroethane	1.71	64	14208	15.98	ug/l	96
7) Trichlorofluoromethane	1.92	101	30703	17.41	ug/l	99
8) Diethyl Ether	2.18	74	12288	18.44	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	20052	17.93	ug/l	98
10) Methyl Iodide	2.50	142	16511	12.84	ug/l	98
11) Tert butyl alcohol	3.08	59	15525	80.46	ug/l	99
12) 1,1-Dichloroethene	2.37	96	18301	17.38	ug/l	97
13) Acrolein	2.29	56	5943	94.15	ug/l	96
14) Allyl chloride	2.71	41	33342	17.86	ug/l	99
15) Acrylonitrile	3.15	53	45479	92.69	ug/l	99
16) Acetone	2.45	43	30376	66.74	ug/l	96
17) Carbon Disulfide	2.56	76	54848	16.01	ug/l	99
18) Methyl Acetate	2.78	43	19021	14.87	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	55550	19.38	ug/l	100
20) Methylene Chloride	2.85	84	24601	18.52	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	22646	19.63	ug/l	95
22) Diisopropyl ether	3.87	45	66549	19.75	ug/l #	89
23) Vinyl Acetate	3.82	43	248736	102.34	ug/l	100
24) 1,1-Dichloroethane	3.69	63	38750	19.72	ug/l	99
25) 2-Butanone	4.70	43	55255	83.28	ug/l	95
26) 2,2-Dichloropropane	4.58	77	29602	19.13	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	23322	18.76	ug/l	99
28) Bromochloromethane	5.02	49	15903	18.04	ug/l	99
29) Tetrahydrofuran	5.15	42	38343	90.68	ug/l	99
30) Chloroform	5.20	83	39151	20.22	ug/l	86
31) Cyclohexane	5.57	56	38179	20.11	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	34125	20.50	ug/l	98
36) 1,1-Dichloropropene	5.79	75	31493	20.93	ug/l	98
37) Ethyl Acetate	4.85	43	22799	19.72	ug/l	99
38) Carbon Tetrachloride	5.78	117	28190	20.25	ug/l	98

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Quant Time: Aug 02 05:53:51 2018
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 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	36161	19.57	ug/l	95
40) Benzene	6.14	78	90171	20.91	ug/l #	89
41) Methacrylonitrile	5.05	41	12901	19.80	ug/l	99
42) 1,2-Dichloroethane	6.19	62	28303	21.73	ug/l	98
43) Isopropyl Acetate	6.46	43	36609	19.88	ug/l	99
44) Trichloroethene	7.21	130	24547	19.96	ug/l	94
45) 1,2-Dichloropropane	7.52	63	21868	20.62	ug/l	99
46) Dibromomethane	7.67	93	12056	19.73	ug/l	97
47) Bromodichloromethane	7.90	83	24671	20.26	ug/l	99
48) Methyl methacrylate	7.77	41	17782	19.25	ug/l	100
49) 1,4-Dioxane	7.76	88	6644	356.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	106024	93.68	ug/l	100
52) Toluene	8.79	92	55184	20.52	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	27238	19.58	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	31757	20.48	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	19260	20.81	ug/l	98
56) Ethyl methacrylate	9.18	69	25039	19.69	ug/l	100
57) 1,3-Dichloropropane	9.37	76	31824	20.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	53156	89.42	ug/l	99
59) 2-Hexanone	9.49	43	79648	92.37	ug/l	99
60) Dibromochloromethane	9.59	129	18691	20.05	ug/l	98
61) 1,2-Dibromoethane	9.67	107	18897	19.99	ug/l	100
64) Tetrachloroethene	9.34	164	22888	20.63	ug/l	97
65) Chlorobenzene	10.14	112	62113	21.06	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	20153	20.95	ug/l	100
67) Ethyl Benzene	10.26	91	104279	20.94	ug/l	99
68) m/p-Xylenes	10.36	106	81528	41.85	ug/l	99
69) o-Xylene	10.70	106	37668	20.82	ug/l	97
70) Styrene	10.71	104	64458	21.18	ug/l	99
71) Bromoform	10.86	173	12775	19.32	ug/l #	98
73) Isopropylbenzene	11.02	105	105834	20.84	ug/l	99
74) N-amyl acetate	6.46	43	36609	20.34	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	25809	19.55	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	29060	25.99	ug/l	83
77) Bromobenzene	11.26	156	27486	20.76	ug/l	98
78) n-propylbenzene	11.36	91	126603	20.58	ug/l	100
79) 2-Chlorotoluene	11.42	91	72262	20.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	90307	20.84	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	7159	18.97	ug/l #	88
82) 4-Chlorotoluene	11.51	91	87977	20.77	ug/l	100
83) tert-Butylbenzene	11.77	119	88424	20.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	92929	20.83	ug/l	99
85) sec-Butylbenzene	11.95	105	113119	20.63	ug/l	100
86) p-Isopropyltoluene	12.07	119	102674	20.60	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	55181	20.61	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	55821	20.43	ug/l	99
89) n-Butylbenzene	12.39	91	96533	20.35	ug/l	100
90) Hexachloroethane	12.60	117	14704	19.87	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	51373	20.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4878	18.62	ug/l	97

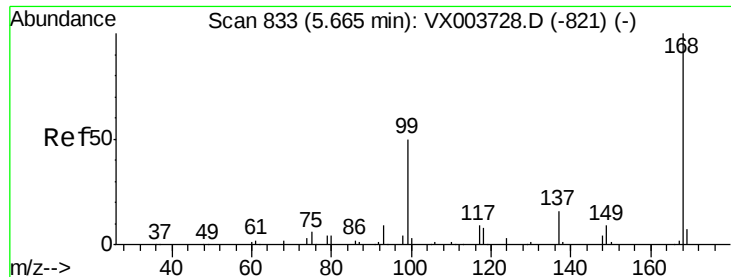
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	40823	20.64	ug/l	100
94) Hexachlorobutadiene	13.79	225	24937	19.71	ug/l	99
95) Naphthalene	13.83	128	85891	20.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	36807	20.50	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: VX003794.D

Acq: 01 Aug 2018 15:26

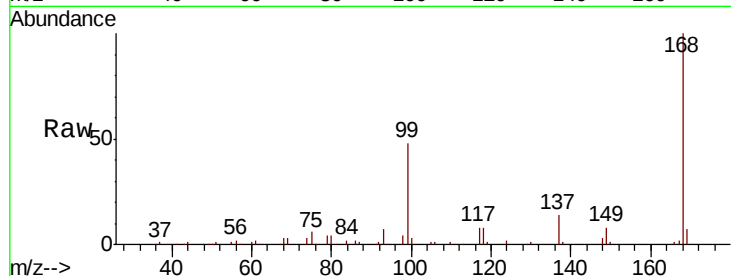
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 117816

Ion Ratio Lower Upper

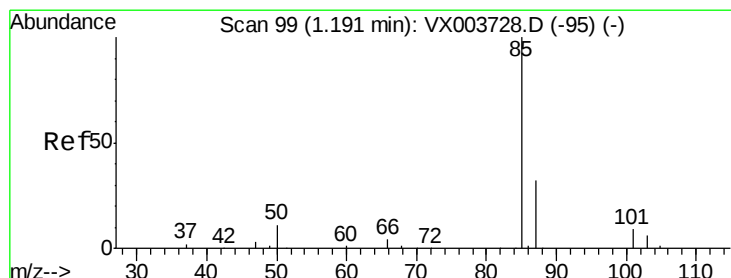
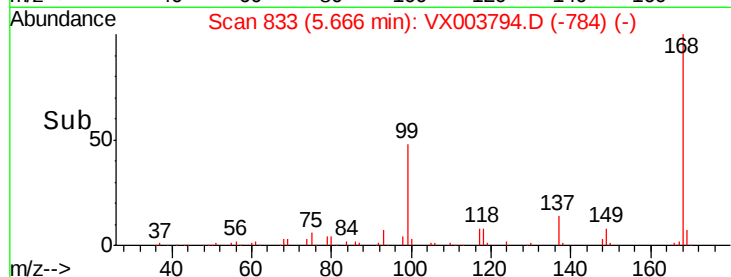
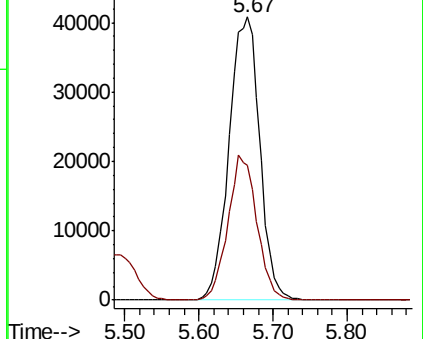
168 100

99 47.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.59 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003794.D

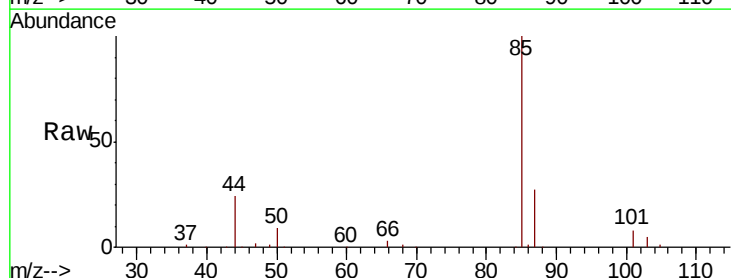
Acq: 01 Aug 2018 15:26

Tgt Ion: 85 Resp: 20473

Ion Ratio Lower Upper

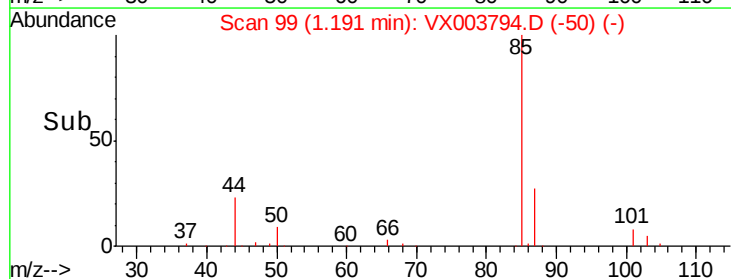
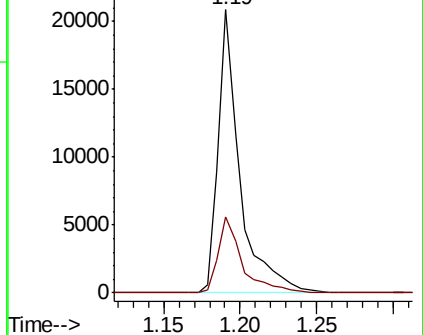
85 100

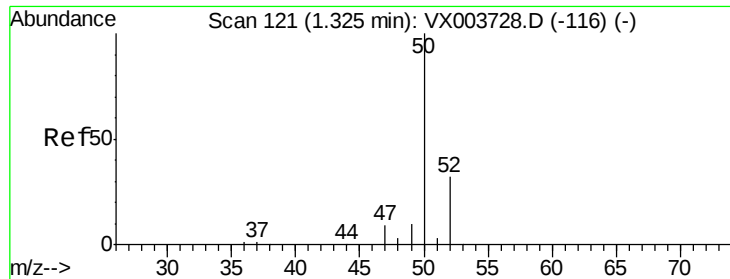
87 26.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

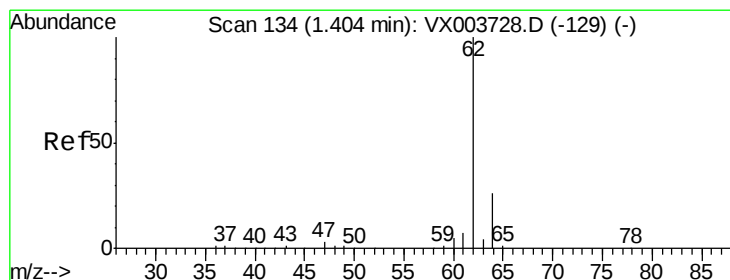
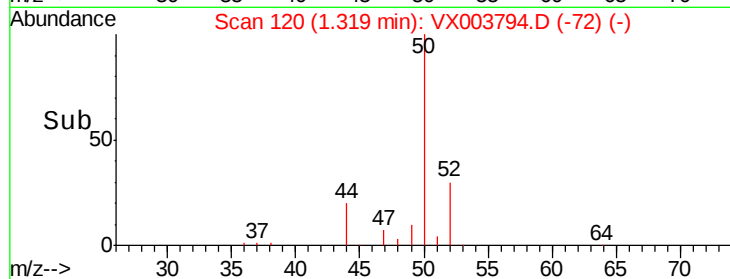
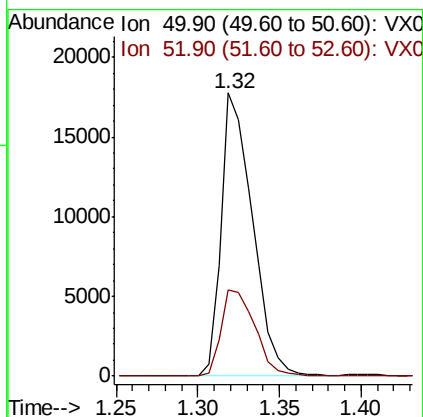
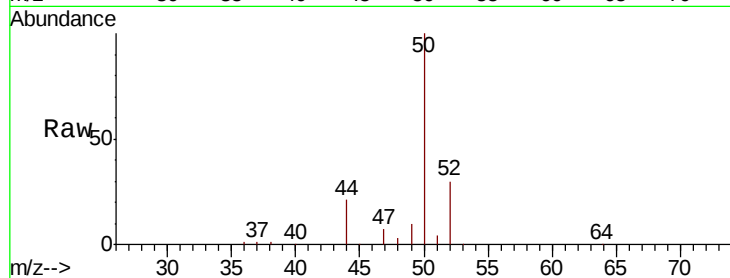




#3
Chloromethane
Concen: 19.03 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

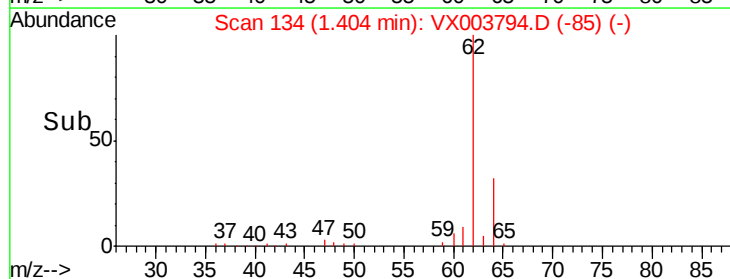
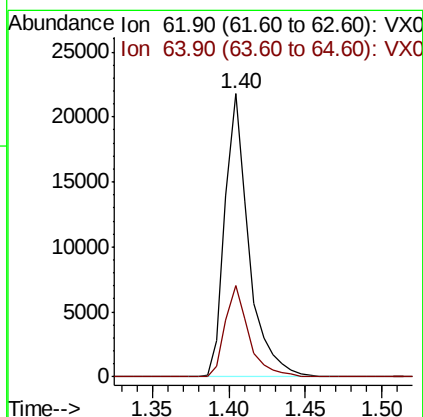
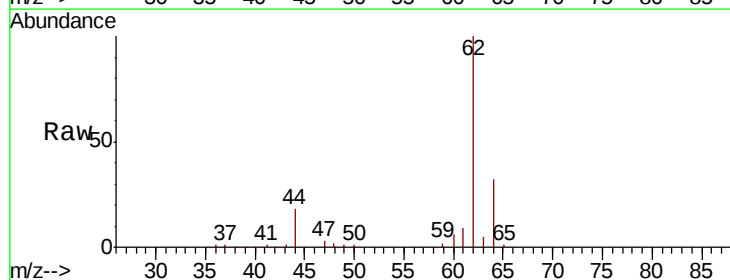
Instrument :
MSVOA_X
ClientSampleId :

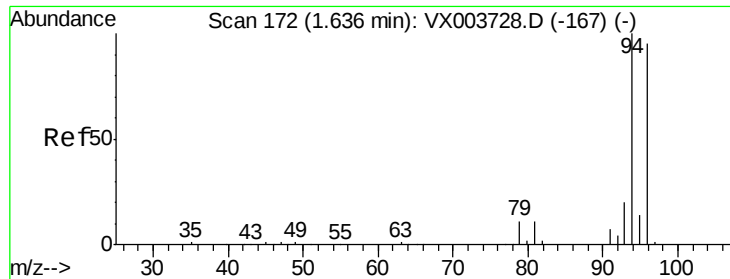
Tot Ion: 50 Resp: 23788
Ion Ratio Lower Upper
50 100
52 30.3 25.9 38.9



#4
Vinyl Chloride
Concen: 17.53 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 62 Resp: 23566
Ion Ratio Lower Upper
62 100
64 32.3 21.0 31.4#

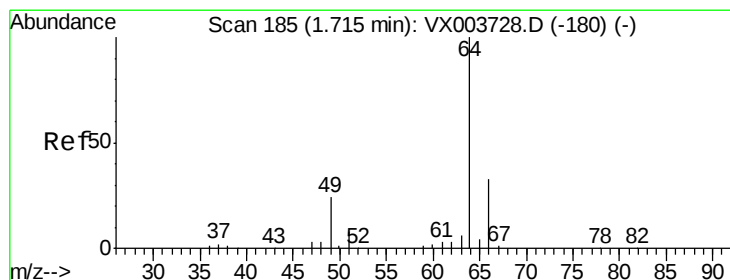
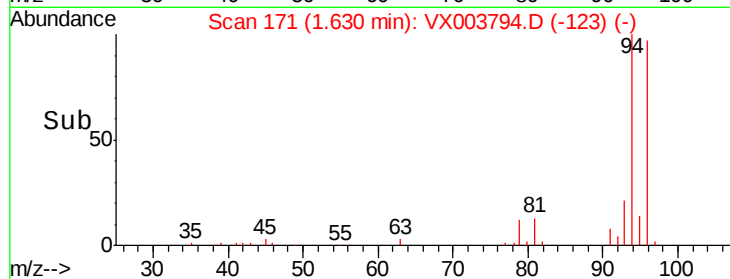
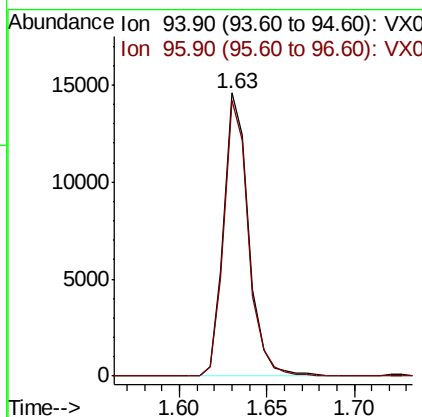
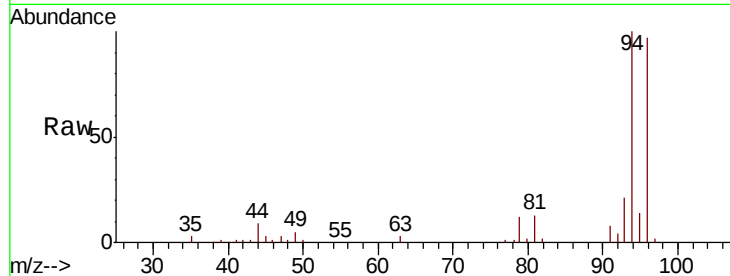




#5
Bromomethane
Concen: 18.56 ug/l
RT: 1.63 min Scan# 171
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

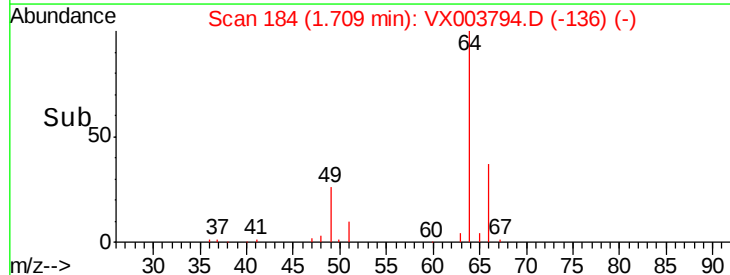
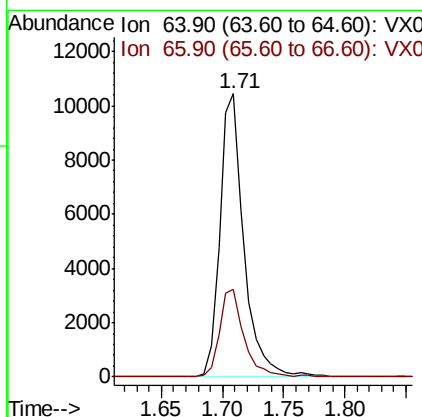
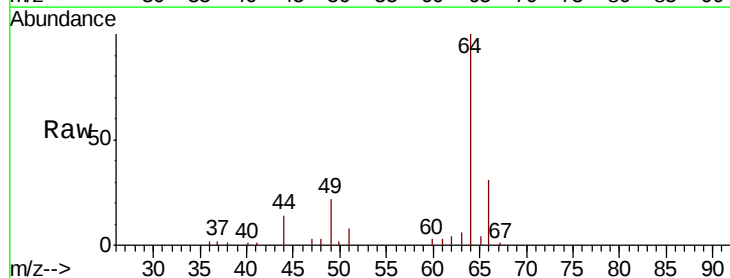
Instrument :
MSVOA_X
ClientSampleId :

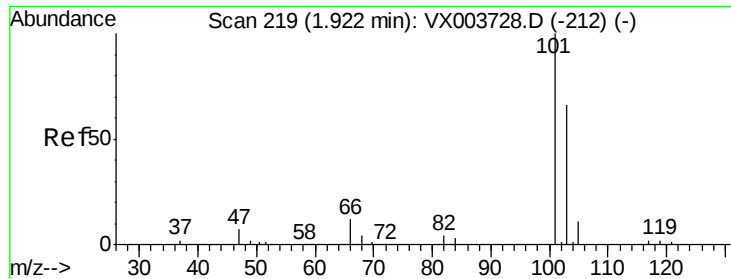
Tot Ion: 94 Resp: 14524
Ion Ratio Lower Upper
94 100
96 97.3 76.0 114.0



#6
Chloroethane
Concen: 15.98 ug/l
RT: 1.71 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 64 Resp: 14208
Ion Ratio Lower Upper
64 100
66 30.8 26.4 39.6



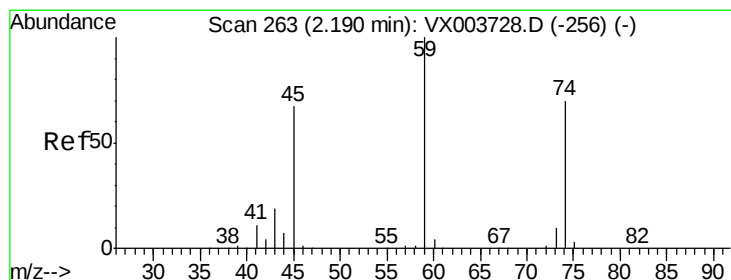
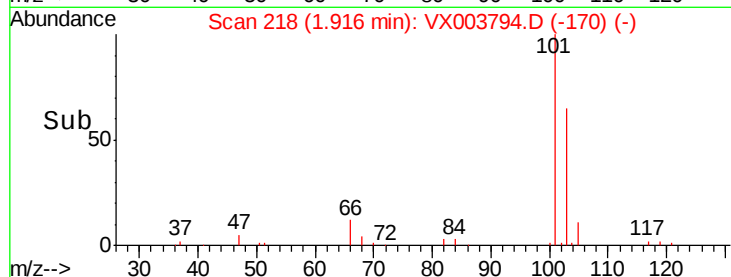
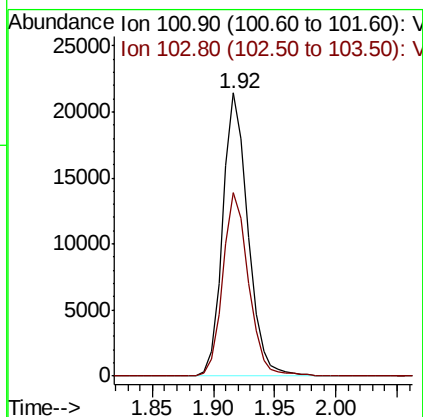
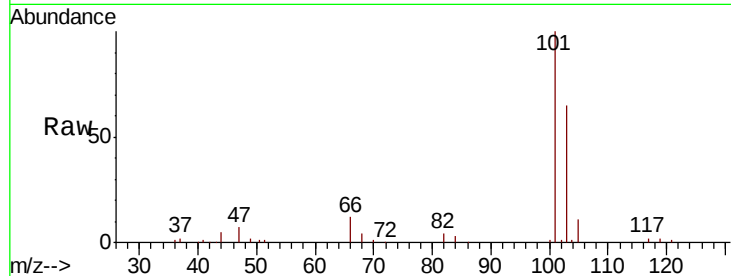


#7

Trichlorofluoromethane
 Concen: 17.41 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Instrument :
 MSVOA_X
 ClientSampled :

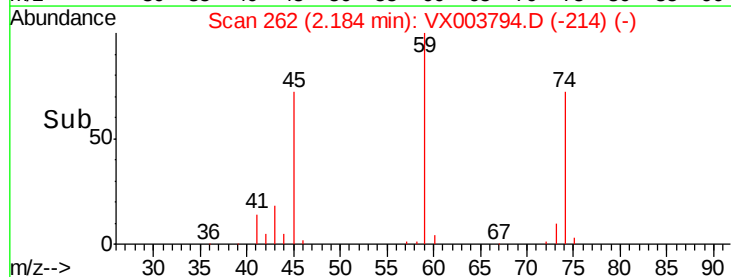
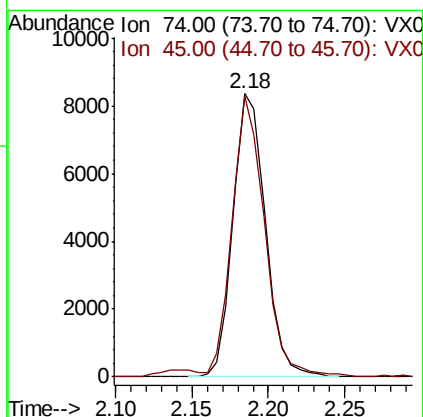
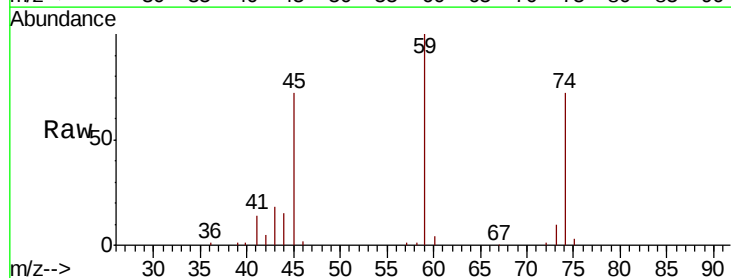
Tot Ion:101 Resp: 30703
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8

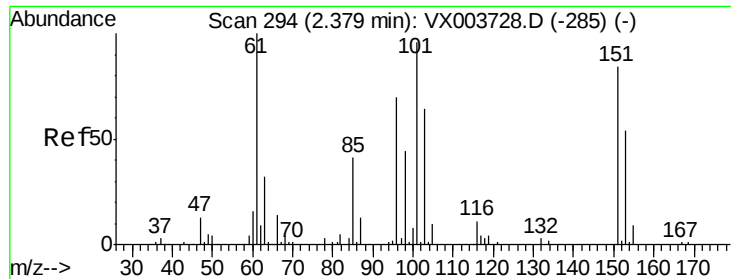


#8

Diethyl Ether
 Concen: 18.44 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion: 74 Resp: 12288
 Ion Ratio Lower Upper
 74 100
 45 99.4 49.5 148.7

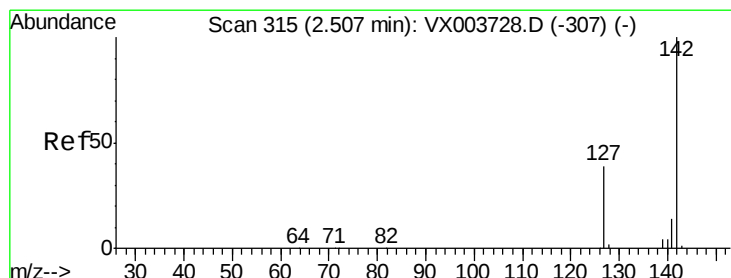
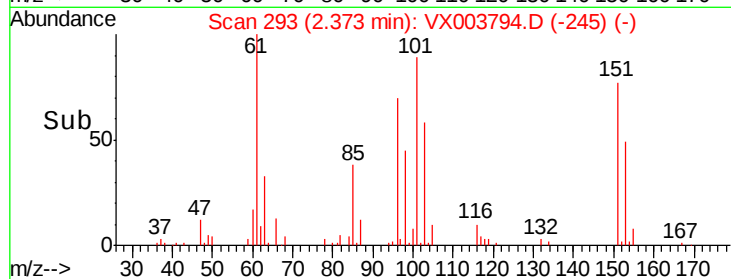
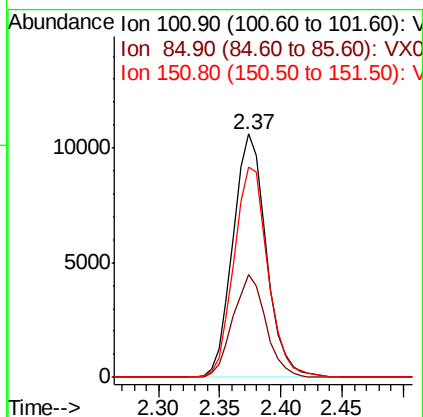
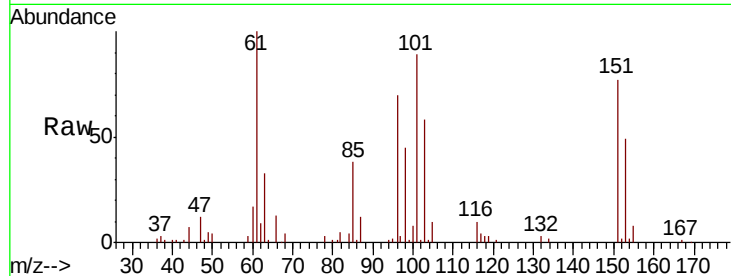




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.93 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

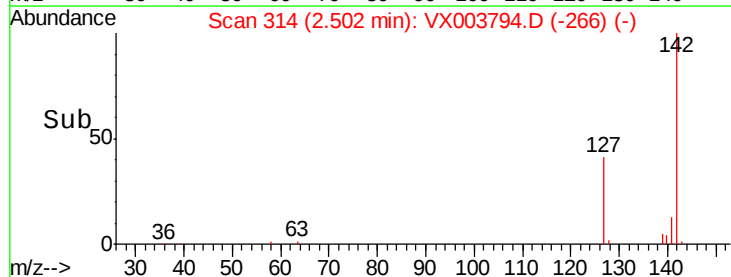
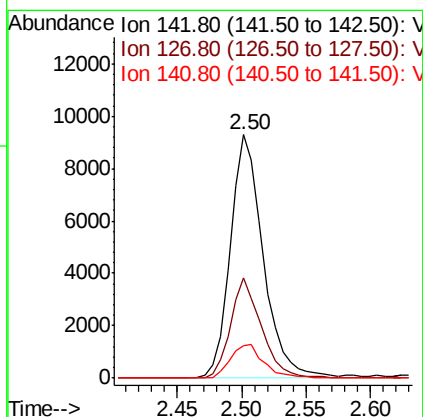
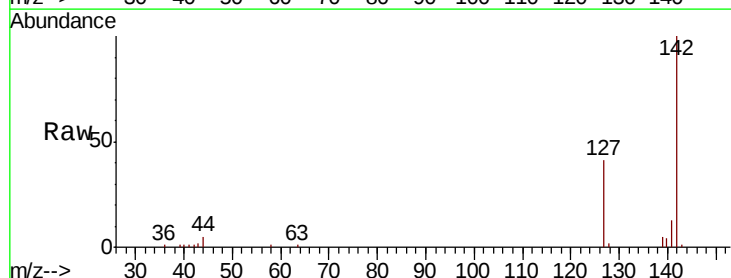
Instrument :
 MSVOA_X
 ClientSampleId :

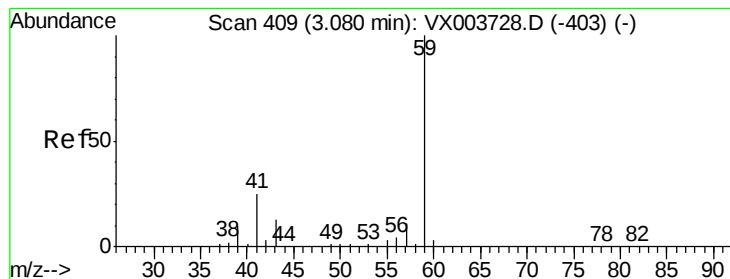
Tot Ion:101 Resp: 20052
 Ion Ratio Lower Upper
 101 100
 85 41.3 33.3 49.9
 151 88.1 68.8 103.2



#10
 Methyl Iodide
 Concen: 12.84 ug/l
 RT: 2.50 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion:142 Resp: 16511
 Ion Ratio Lower Upper
 142 100
 127 38.7 32.0 48.0
 141 13.9 11.3 16.9





#11

Tert butyl alcohol

Concen: 80.46 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

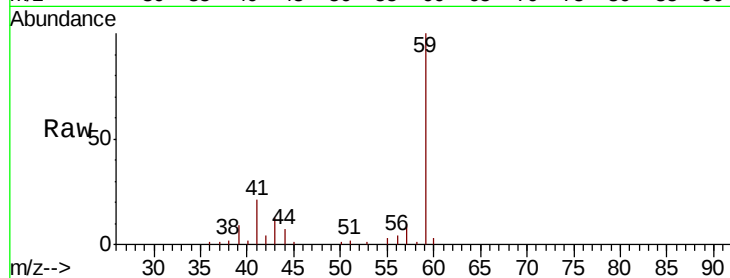
ClientSampleId :

Tot Ion: 59 Resp: 15525

Ion Ratio Lower Upper

59 100

57 10.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

8000

6000

4000

2000

0

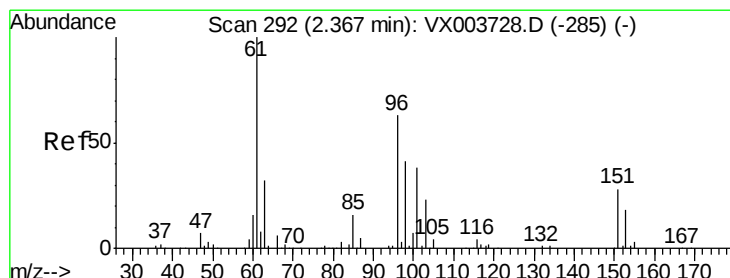
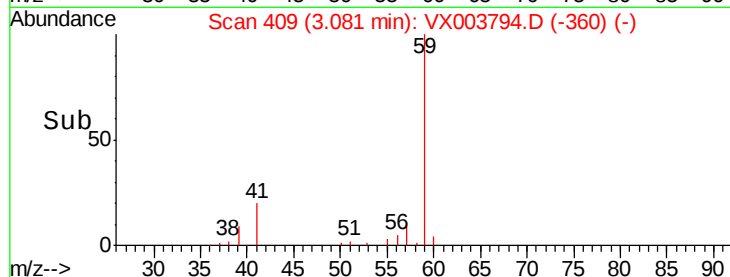
Time-->

3.00

3.05

3.10

3.15



#12

1,1-Dichloroethene

Concen: 17.38 ug/l

RT: 2.37 min Scan# 292

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

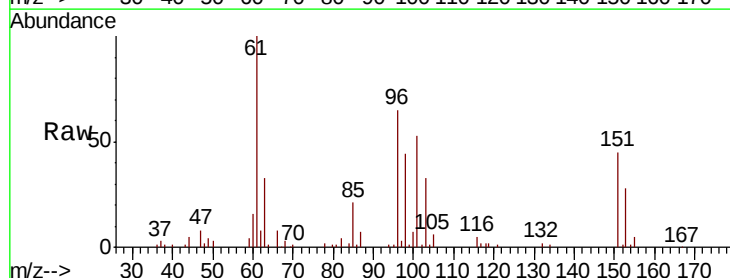
Tgt Ion: 96 Resp: 18301

Ion Ratio Lower Upper

96 100

61 154.4 127.1 190.7

98 67.4 52.0 78.0



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

20000

15000

10000

5000

0

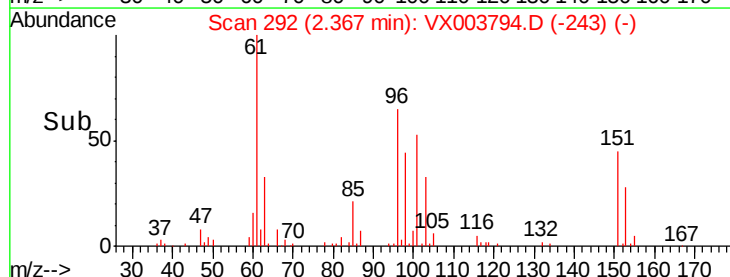
Time-->

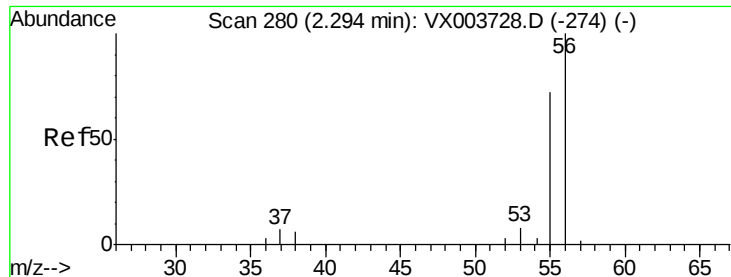
2.30

2.35

2.40

2.45





#13

Acrolein

Concen: 94.15 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

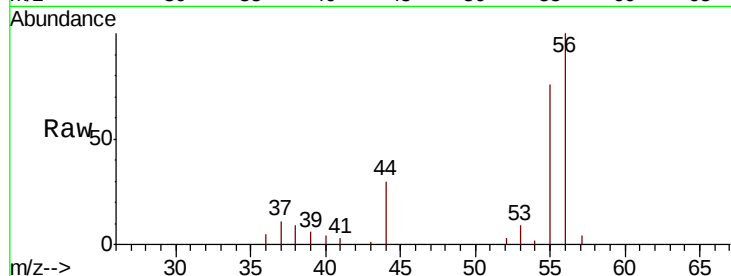
ClientSampleId :

Tot Ion: 56 Resp: 5943

Ion Ratio Lower Upper

56 100

55 73.5 61.4 92.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

4000

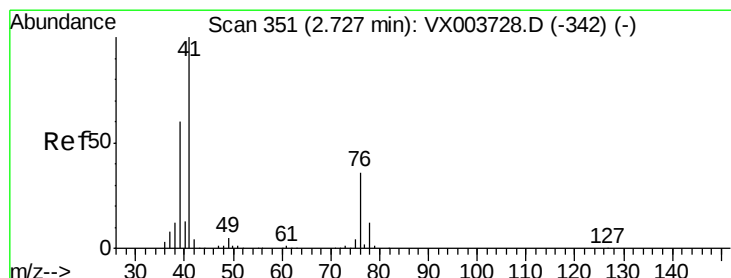
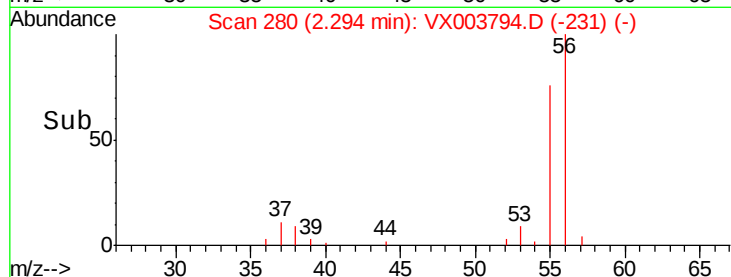
3000

2000

1000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 17.86 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

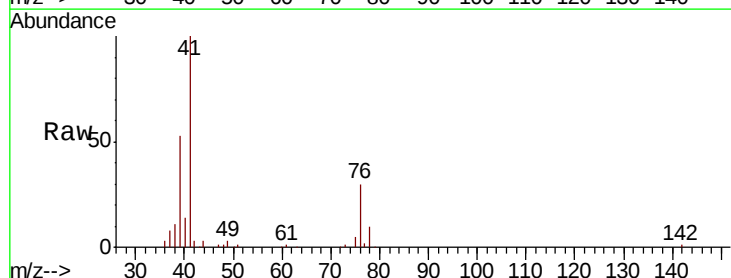
Tgt Ion: 41 Resp: 33342

Ion Ratio Lower Upper

41 100

39 60.8 47.7 71.5

76 33.1 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

25000

20000

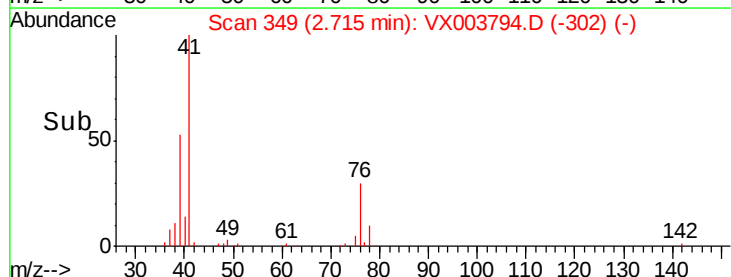
15000

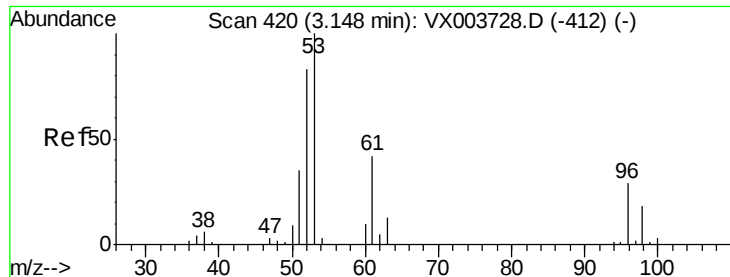
10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85





#15

Acrylonitrile

Concen: 92.69 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :

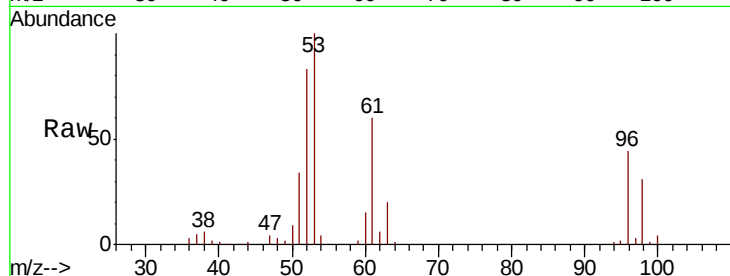
Tot Ion: 53 Resp: 45479

Ion Ratio Lower Upper

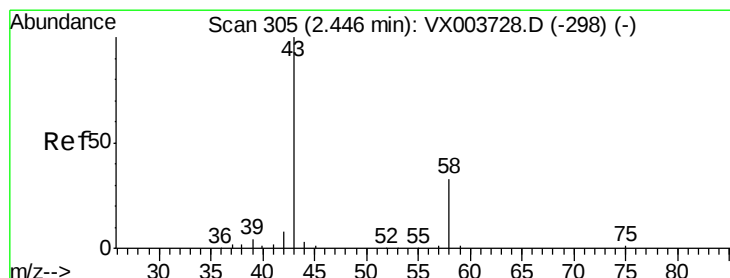
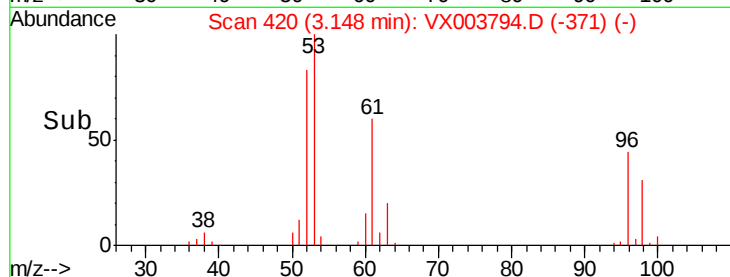
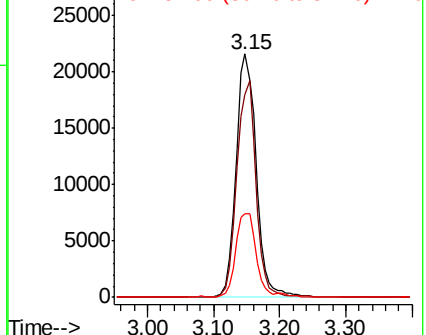
53 100

52 84.0 66.2 99.2

51 35.6 28.5 42.7



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



#16

Acetone

Concen: 66.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003794.D

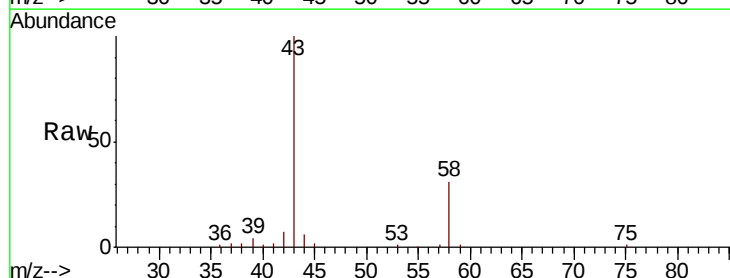
Acq: 01 Aug 2018 15:26

Tgt Ion: 43 Resp: 30376

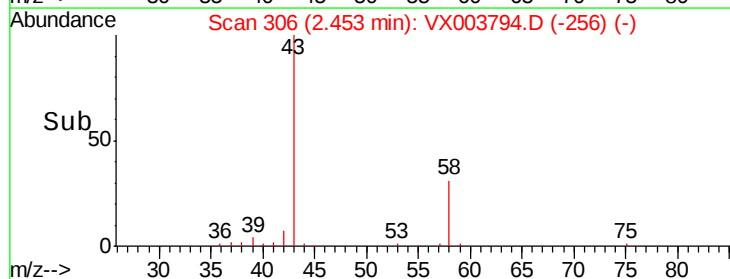
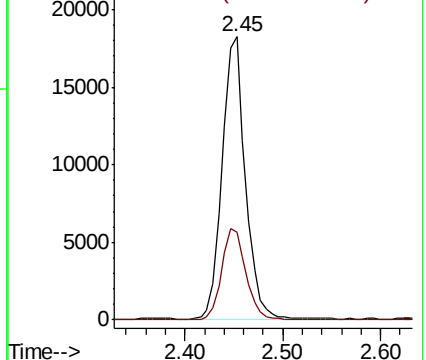
Ion Ratio Lower Upper

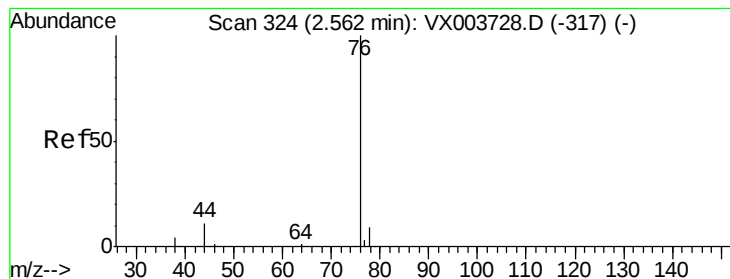
43 100

58 31.1 26.7 40.1



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





#17

Carbon Disulfide

Concen: 16.01 ug/l

RT: 2.56 min Scan# 323

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

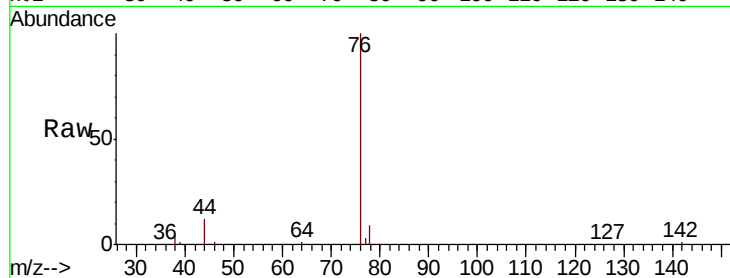
ClientSampleId :

Tot Ion: 76 Resp: 54848

Ion Ratio Lower Upper

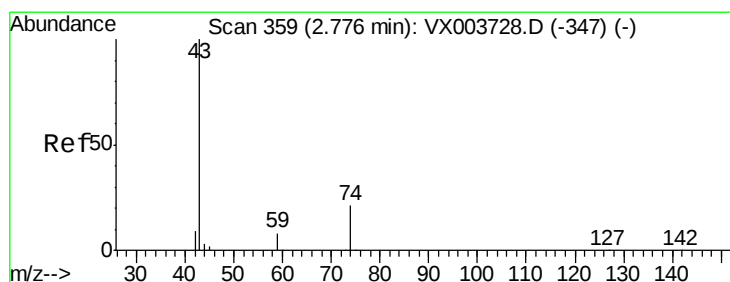
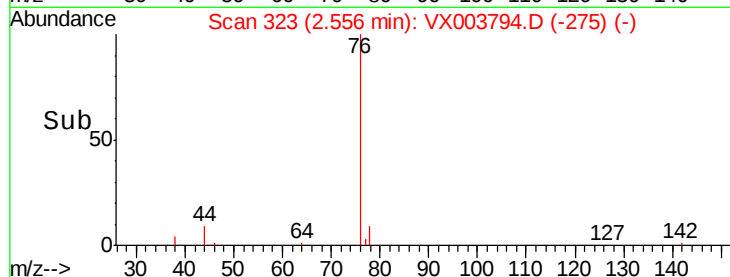
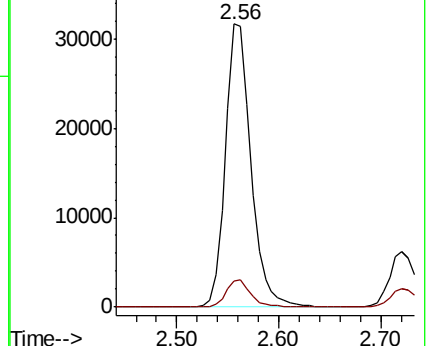
76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 14.87 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003794.D

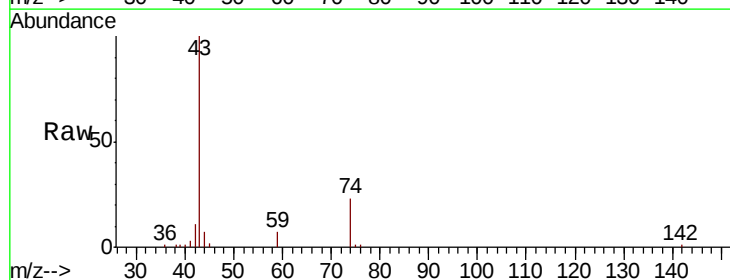
Acq: 01 Aug 2018 15:26

Tgt Ion: 43 Resp: 19021

Ion Ratio Lower Upper

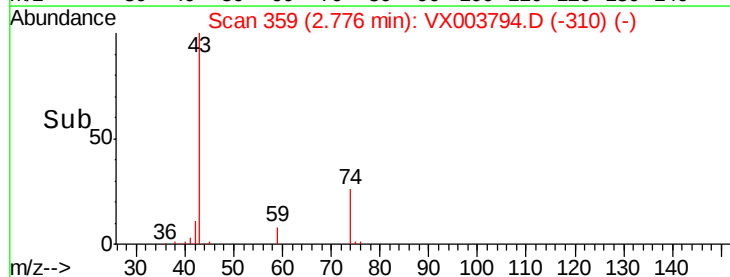
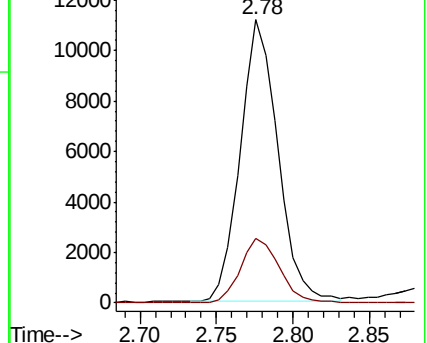
43 100

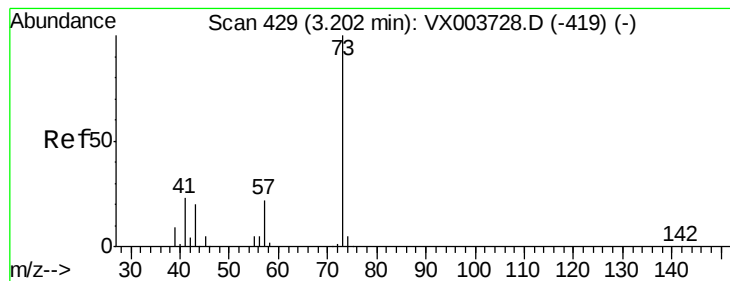
74 23.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



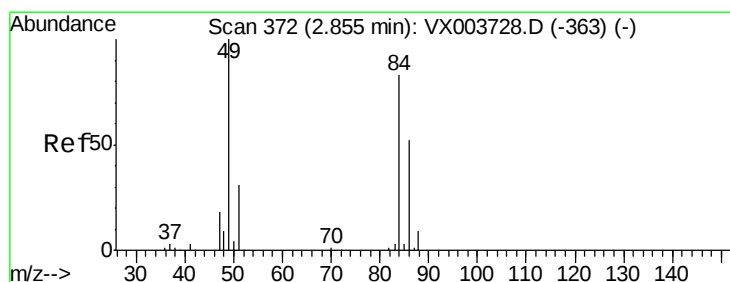
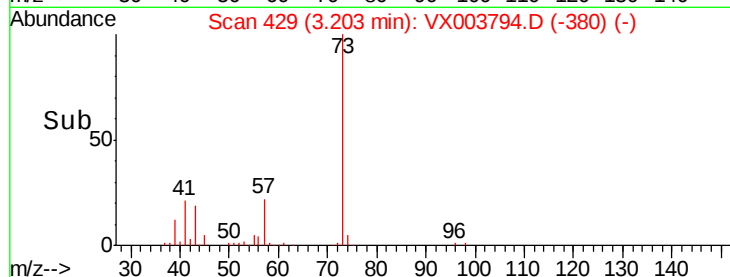
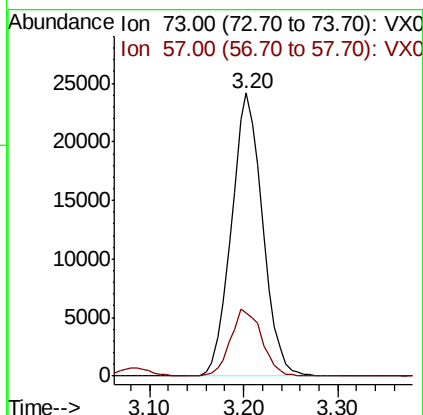
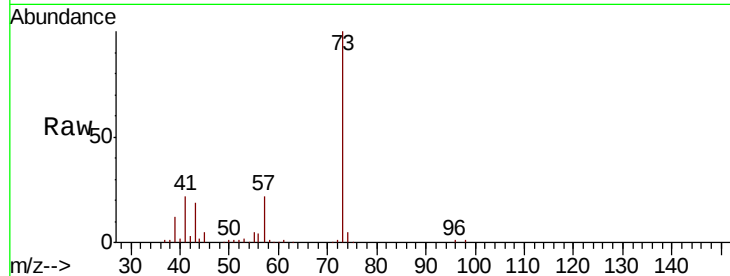


#19

Methyl tert-butyl Ether
 Concen: 19.38 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Instrument :
 MSVOA_X
 ClientSampled :

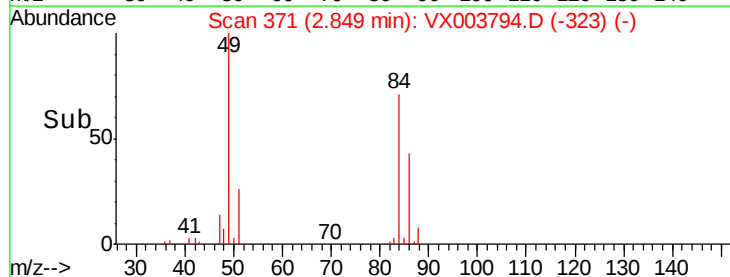
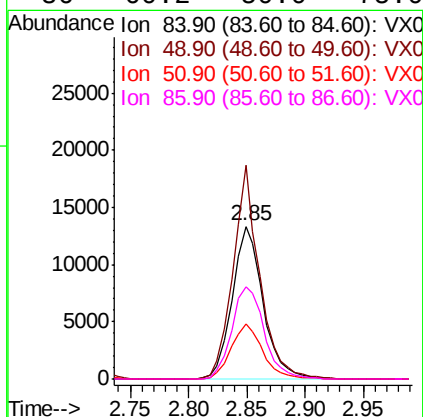
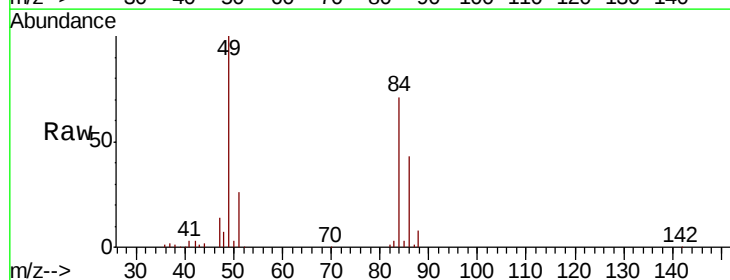
Tot Ion: 73 Resp: 55550
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.0 27.0

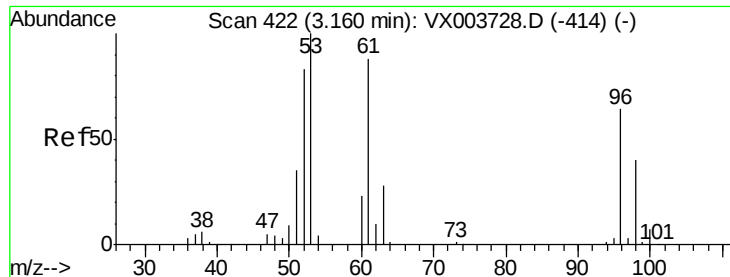


#20

Methylene Chloride
 Concen: 18.52 ug/l
 RT: 2.85 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion: 84 Resp: 24601
 Ion Ratio Lower Upper
 84 100
 49 140.1 95.8 143.8
 51 36.2 29.6 44.4
 86 60.2 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.63 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

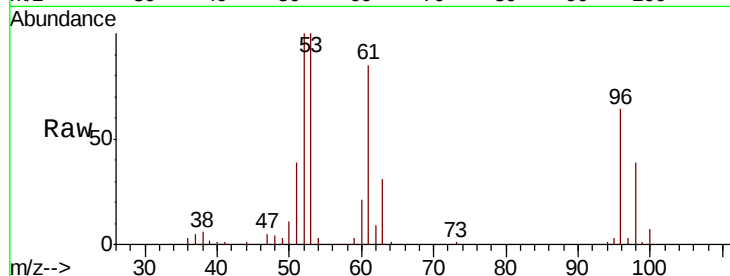
Tot Ion: 96 Resp: 22646

Ion Ratio Lower Upper

96 100

61 131.7 110.9 166.3

98 61.0 50.2 75.4

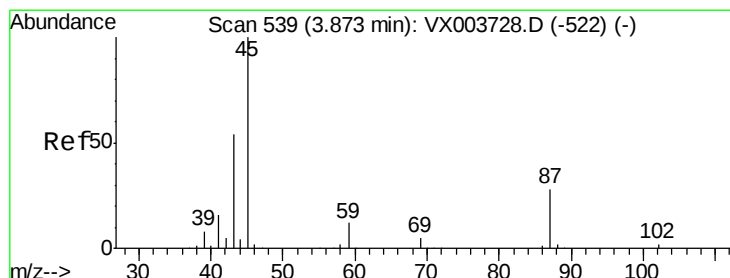
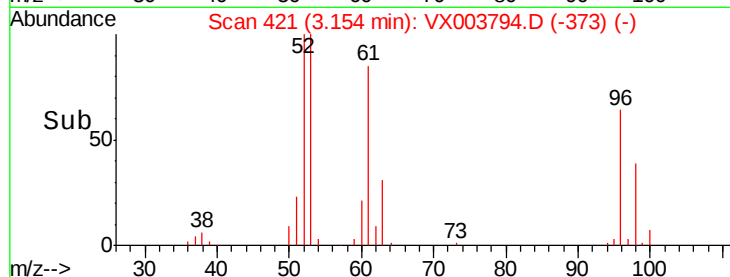
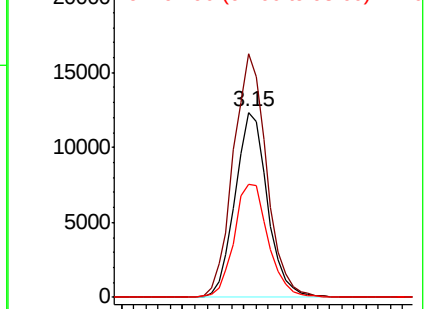


Abundance

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: 19.75 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Tgt Ion: 45 Resp: 66549

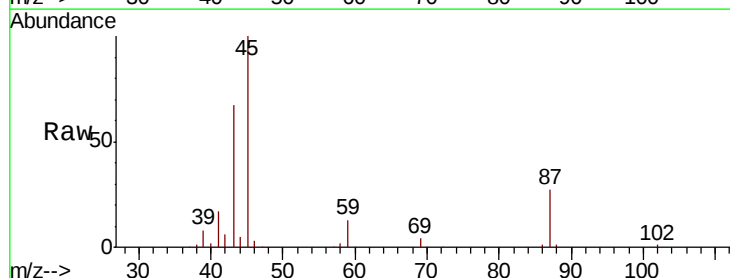
Ion Ratio Lower Upper

45 100

43 66.8 43.5 65.3#

87 27.1 22.6 33.8

59 12.7 9.3 13.9



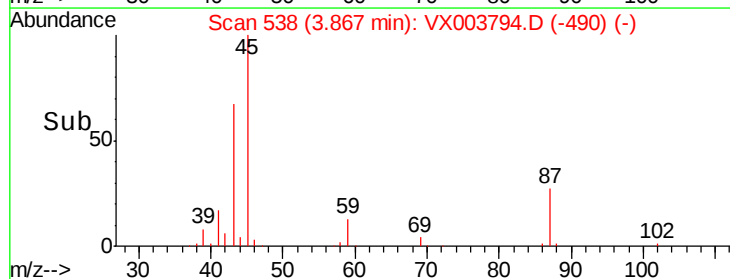
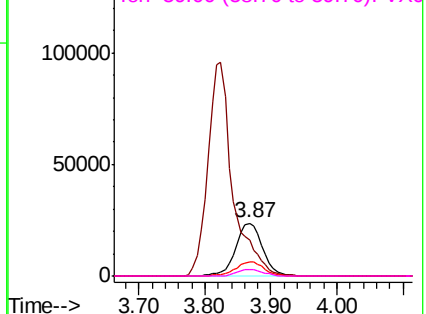
Abundance

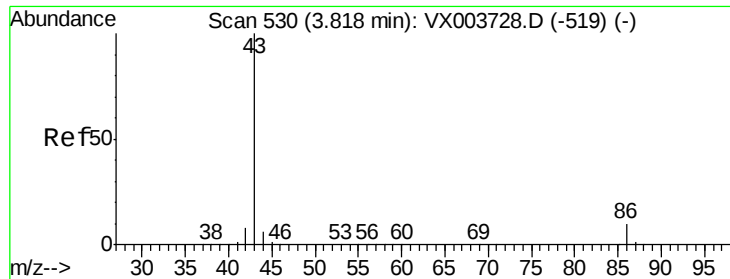
Ion 45.00 (44.70 to 45.70): VX0

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: 102.34 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

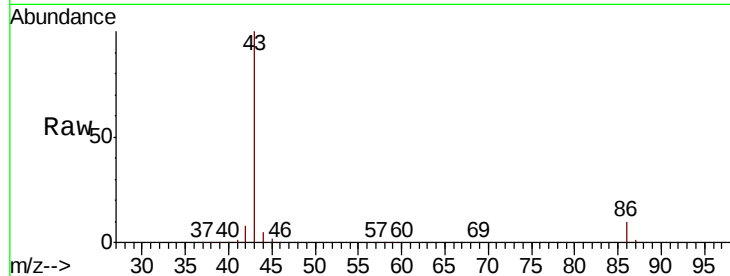
ClientSampled :

Tot Ion: 43 Resp: 248736

Ion Ratio Lower Upper

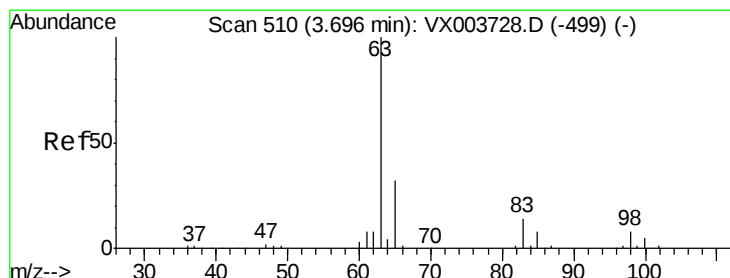
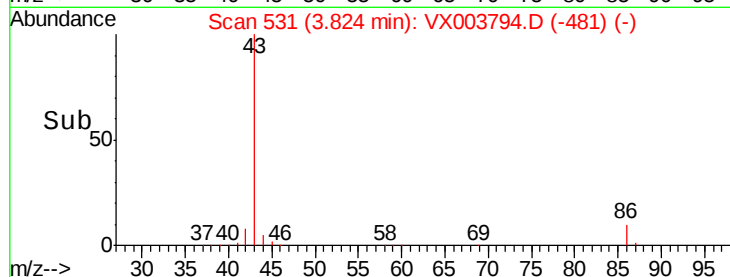
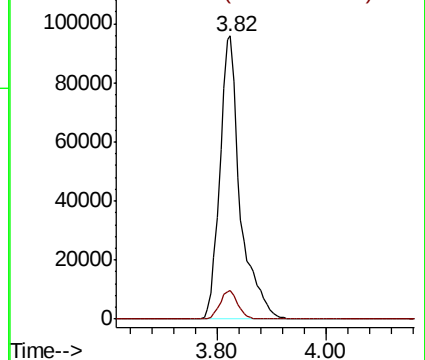
43 100

86 10.1 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: 19.72 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

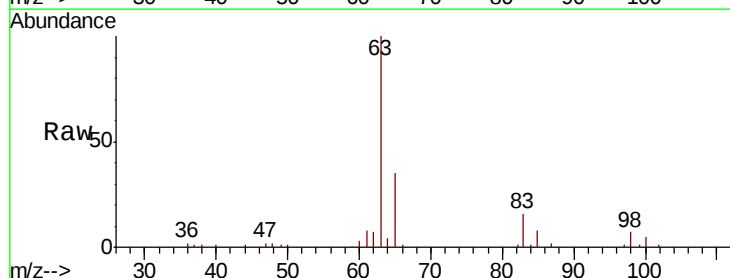
Tgt Ion: 63 Resp: 38750

Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.0

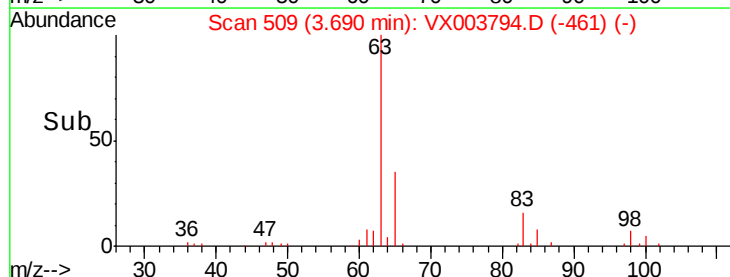
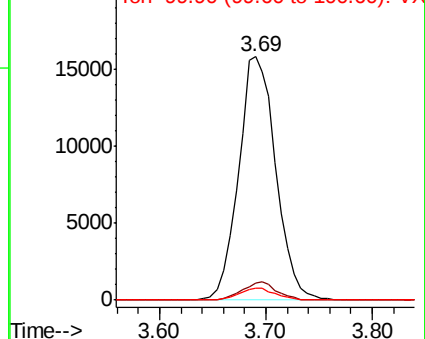
100 4.7 2.4 7.2

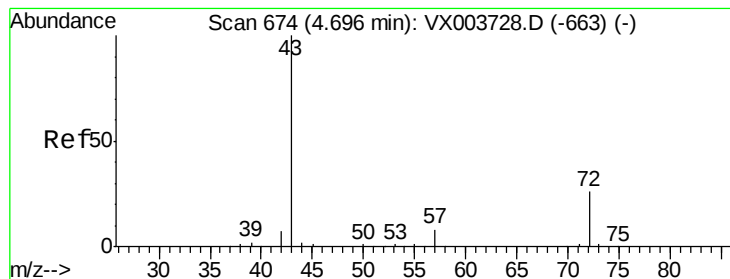


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 83.28 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

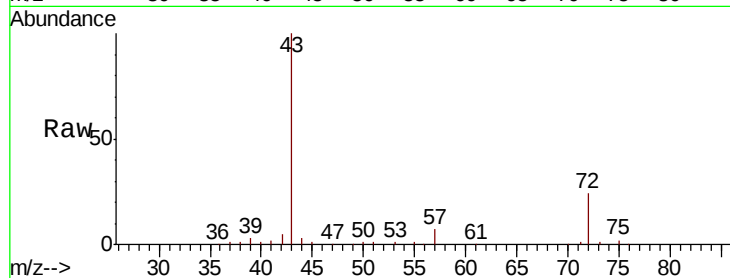
ClientSampleId :

Tot Ion: 43 Resp: 55255

Ion Ratio Lower Upper

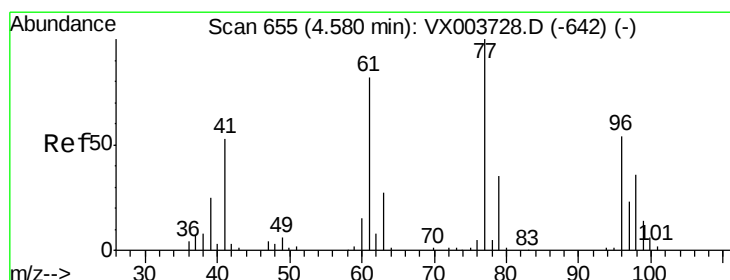
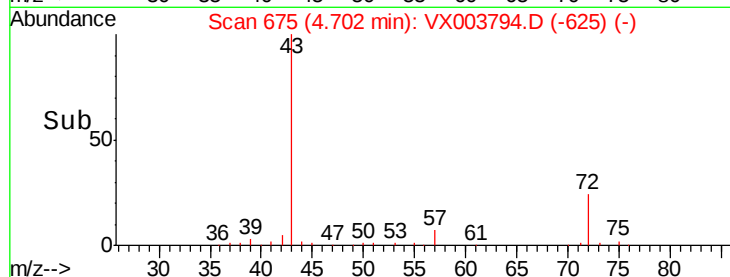
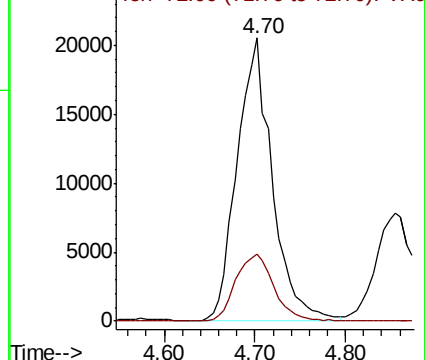
43 100

72 23.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.13 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003794.D

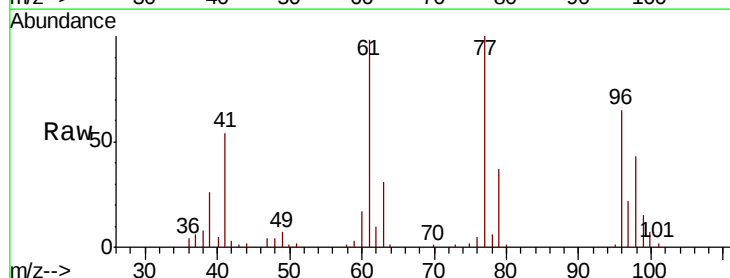
Acq: 01 Aug 2018 15:26

Tgt Ion: 77 Resp: 29602

Ion Ratio Lower Upper

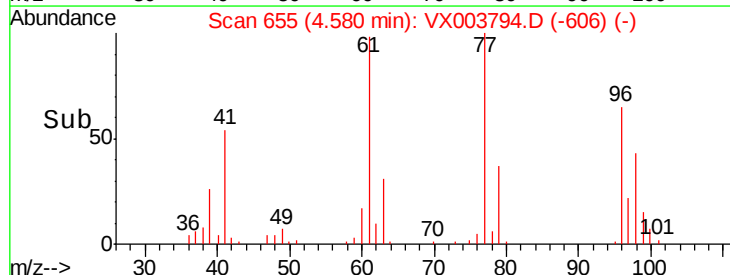
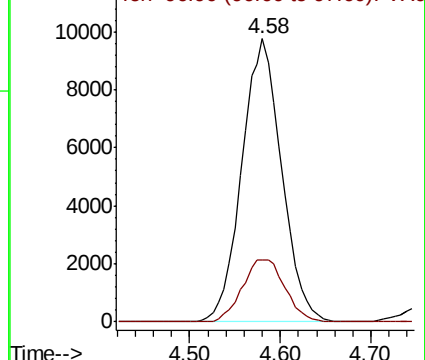
77 100

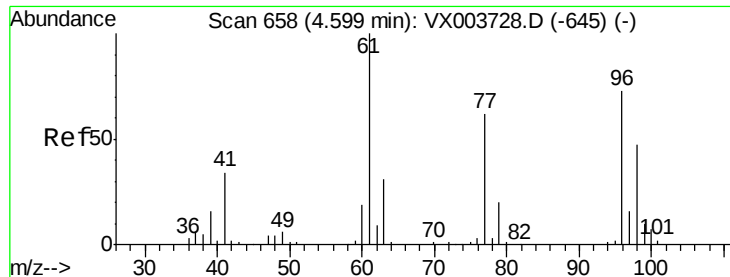
97 23.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 18.76 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :

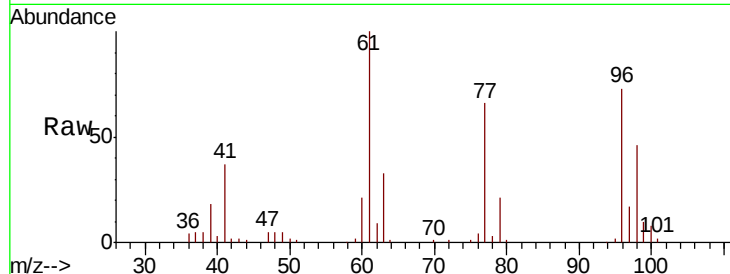
Tot Ion: 96 Resp: 23322

Ion Ratio Lower Upper

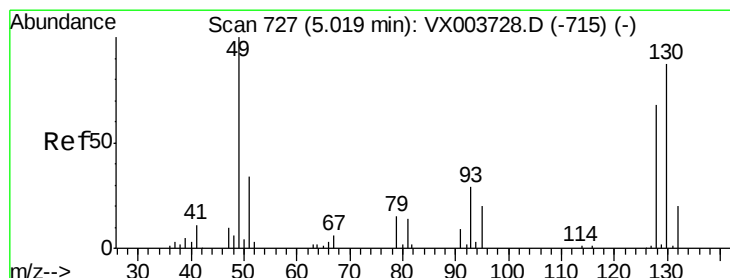
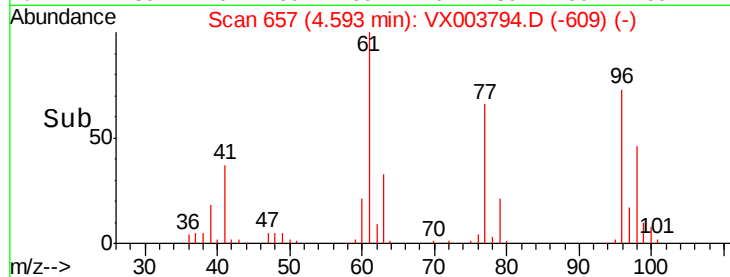
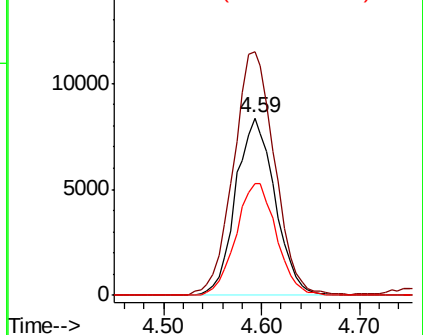
96 100

61 144.3 0.0 285.6

98 64.4 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: 18.04 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

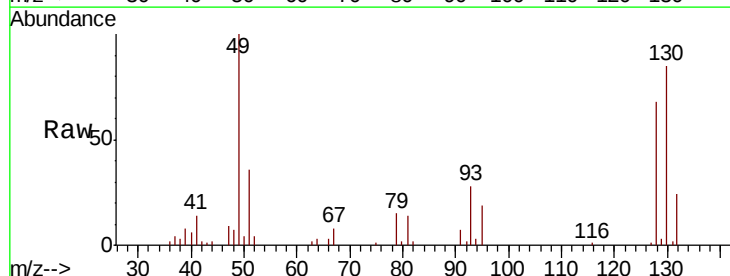
Tgt Ion: 49 Resp: 15903

Ion Ratio Lower Upper

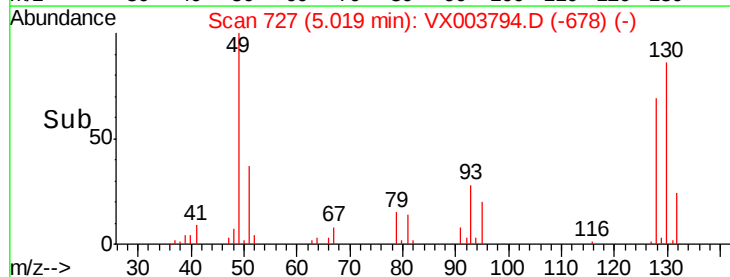
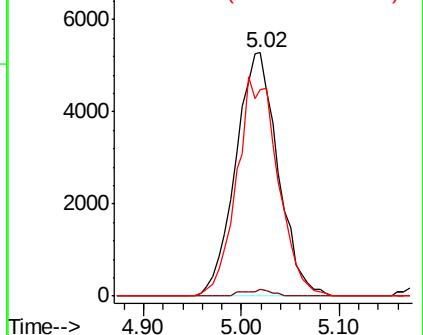
49 100

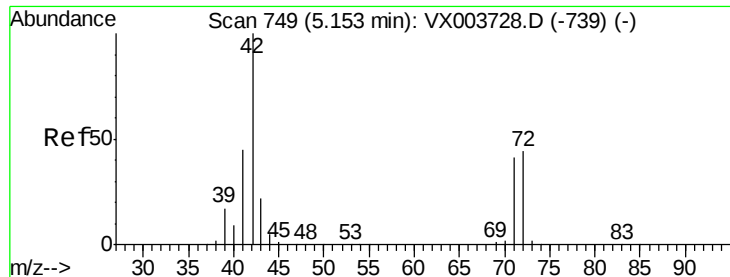
129 1.8 0.0 4.0

130 87.1 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

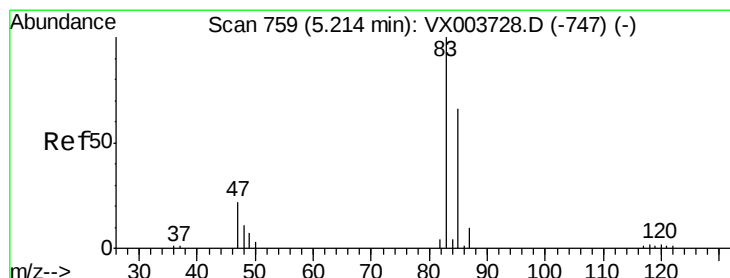
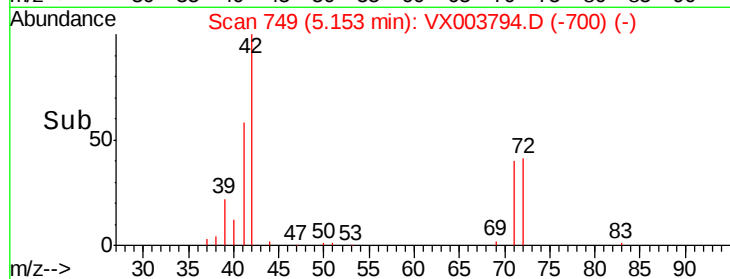
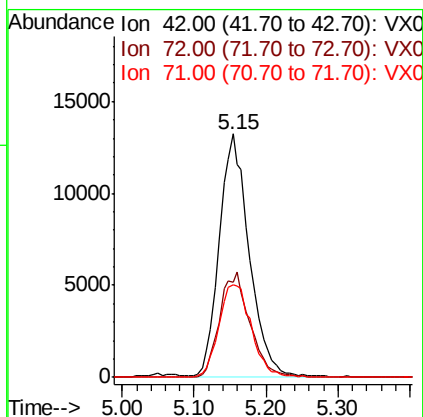
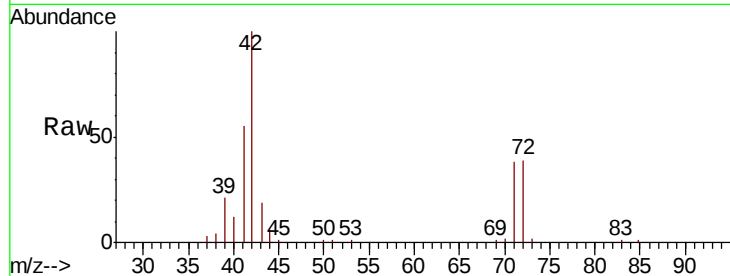




#29
Tetrahydrofuran
Concen: 90.68 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

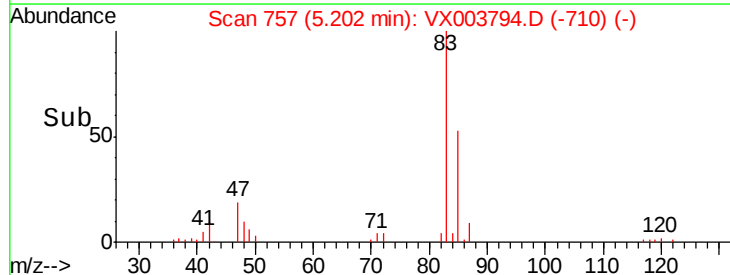
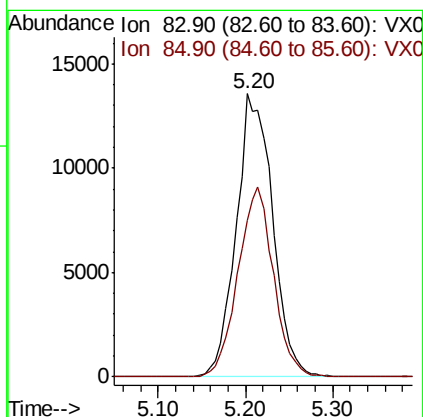
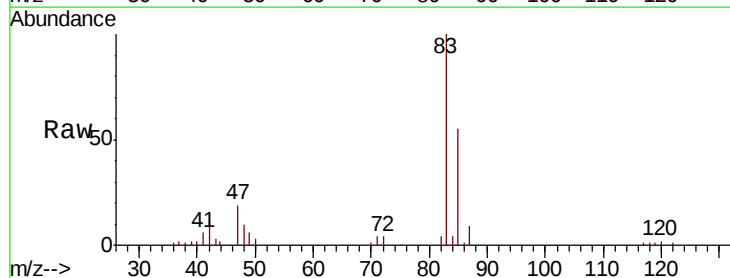
Instrument :
MSVOA_X
ClientSampleId :

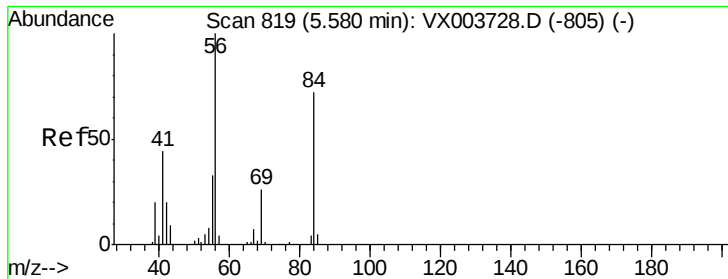
Tot Ion: 42 Resp: 38343
Ion Ratio Lower Upper
42 100
72 43.8 35.6 53.4
71 41.0 33.4 50.0



#30
Chloroform
Concen: 20.22 ug/l
RT: 5.20 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 83 Resp: 39151
Ion Ratio Lower Upper
83 100
85 55.3 52.8 79.2

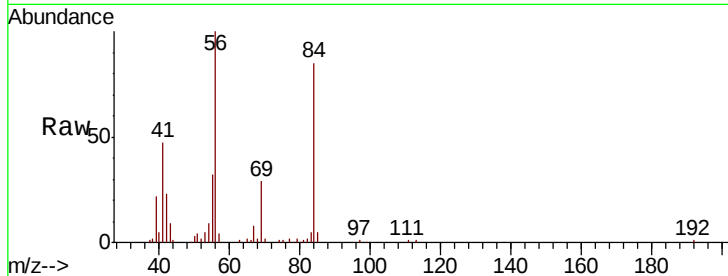




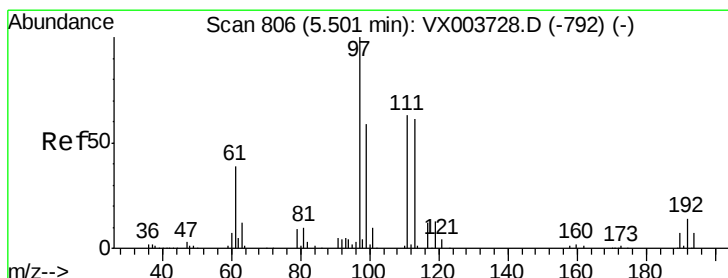
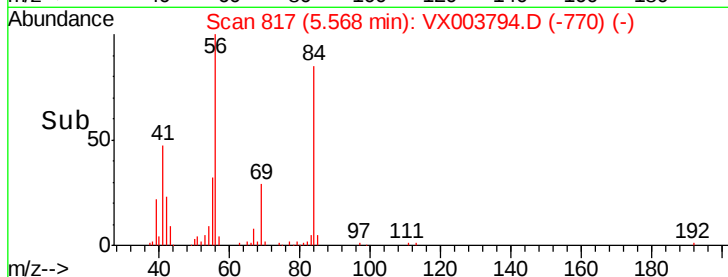
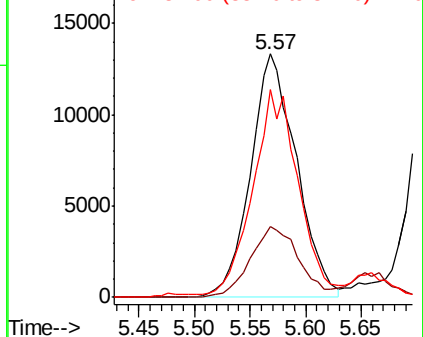
#31
Cyclohexane
Concen: 20.11 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 38179
Ion Ratio Lower Upper
56 100
69 29.2 20.6 30.8
84 83.9 57.9 86.9

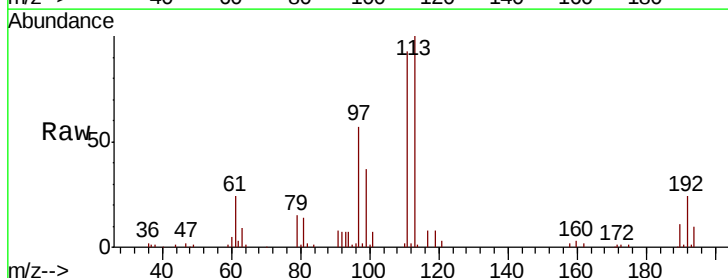


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

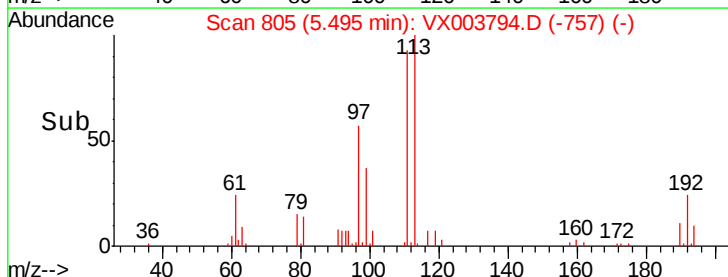
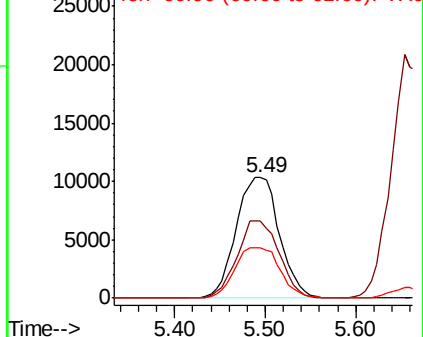


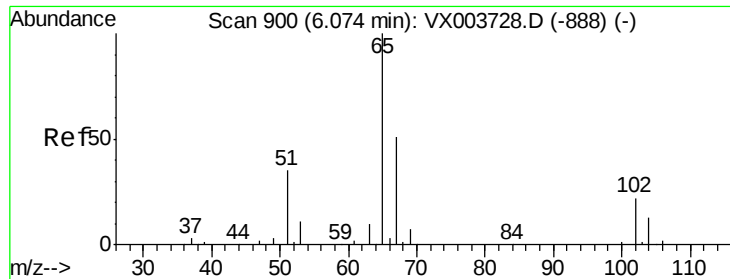
#32
1,1,1-Trichloroethane
Concen: 20.50 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 97 Resp: 34125
Ion Ratio Lower Upper
97 100
99 62.5 51.4 77.2
61 43.5 33.4 50.2



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

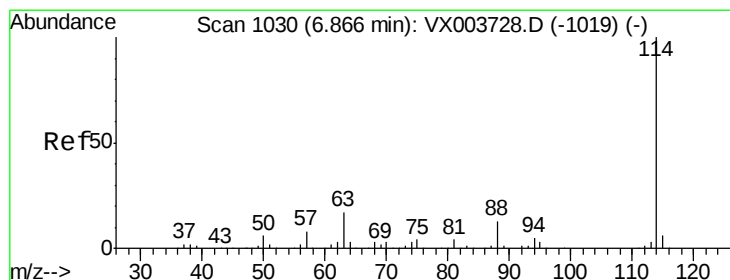
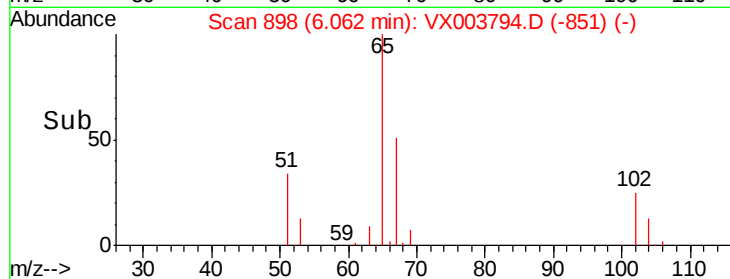
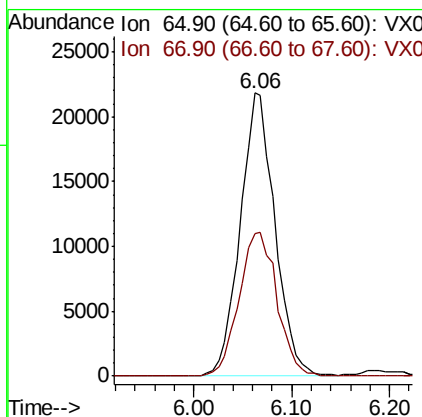
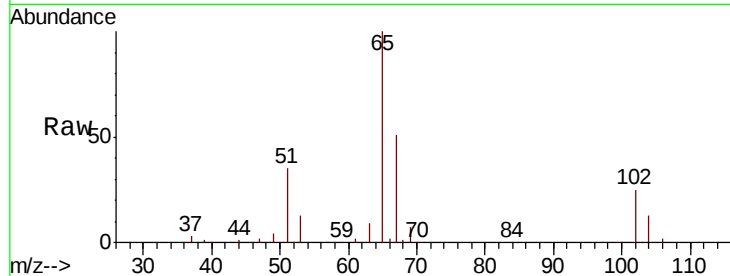




#33
 1,2-Dichloroethane-d4
 Concen: 45.07 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

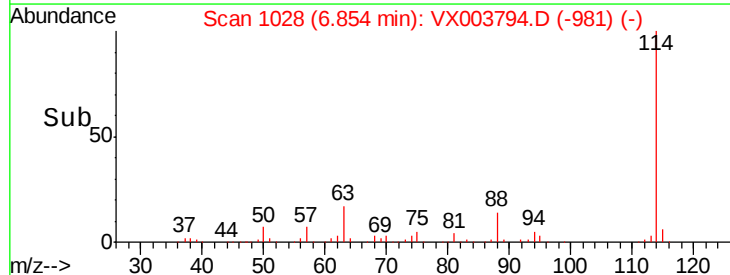
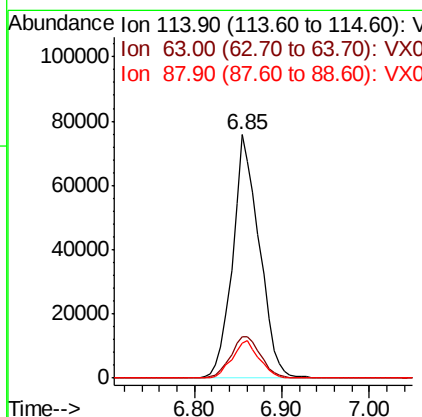
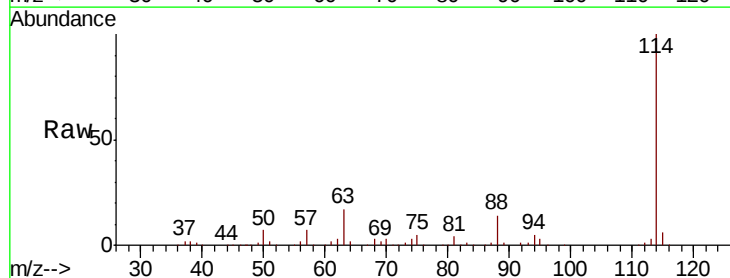
Instrument :
 MSVOA_X
 ClientSampleId :

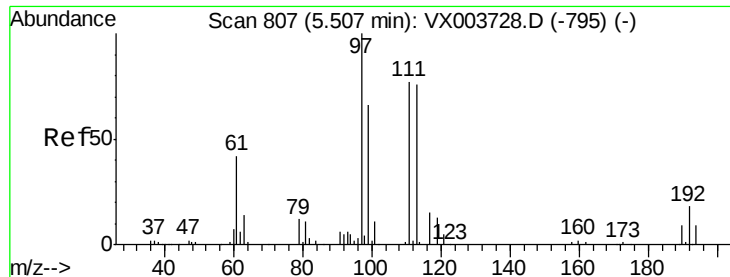
Tot Ion: 65 Resp: 53699
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion: 114 Resp: 160678
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.0
 88 14.2 0.0 26.4

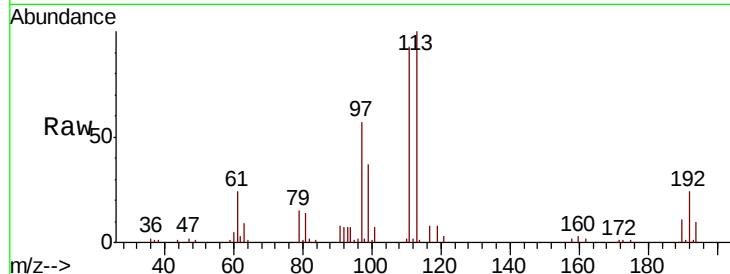




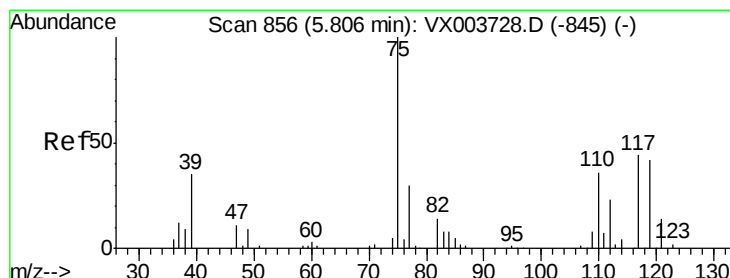
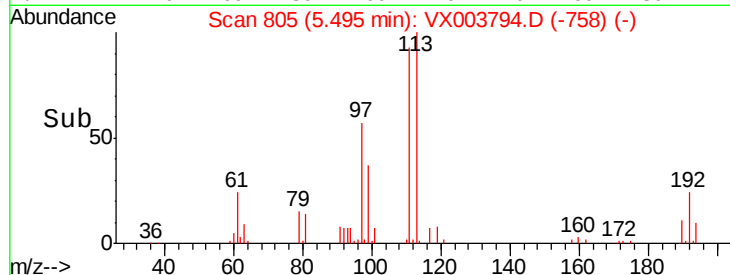
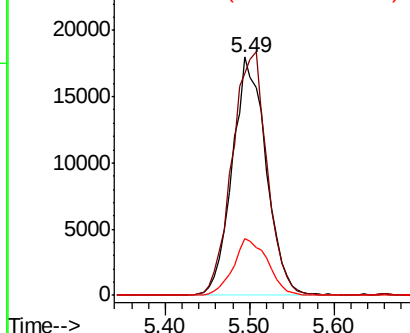
#35
 Dibromofluoromethane
 Concen: 51.71 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 48919
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.8 122.6
 192 24.0 18.8 28.2

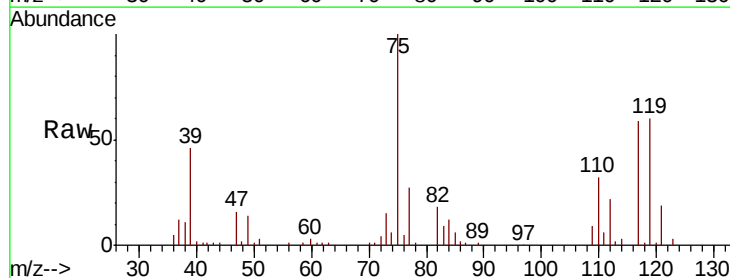


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

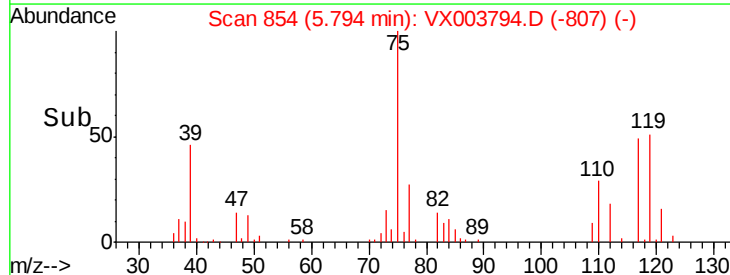
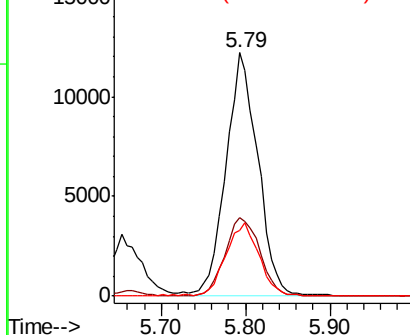


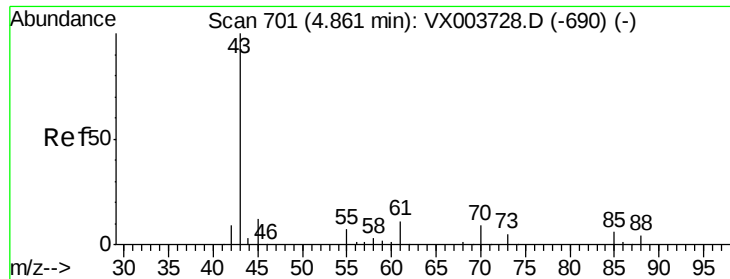
#36
 1,1-Dichloropropene
 Concen: 20.93 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion: 75 Resp: 31493
 Ion Ratio Lower Upper
 75 100
 110 34.8 18.3 54.8
 77 31.4 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

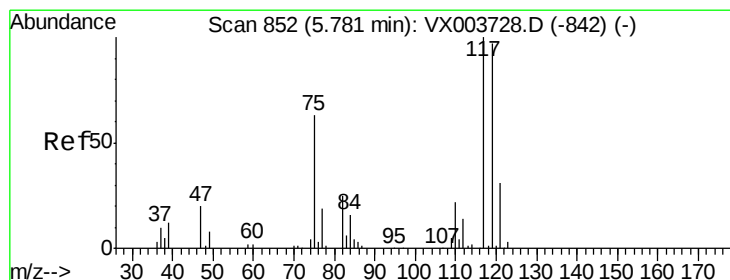
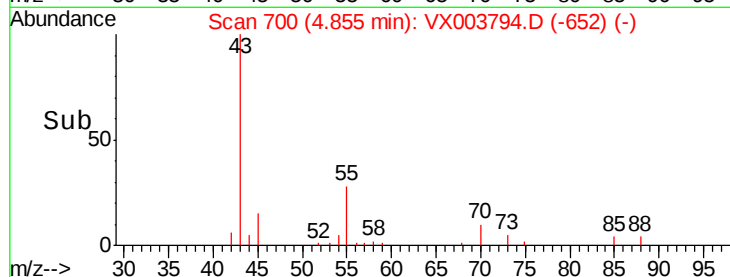
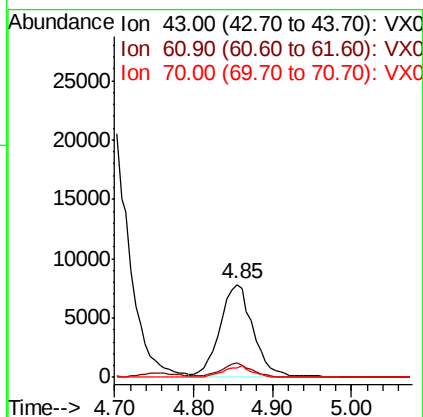
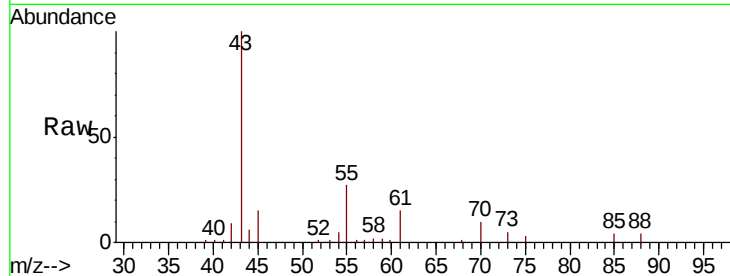




#37
Ethyl Acetate
Concen: 19.72 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

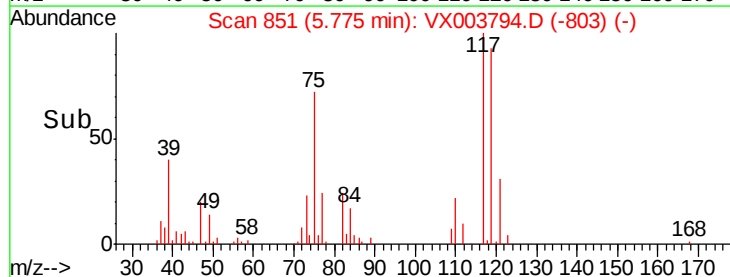
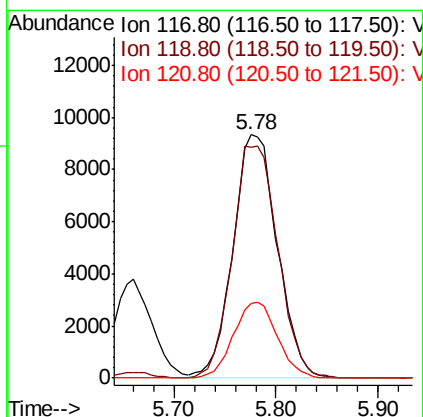
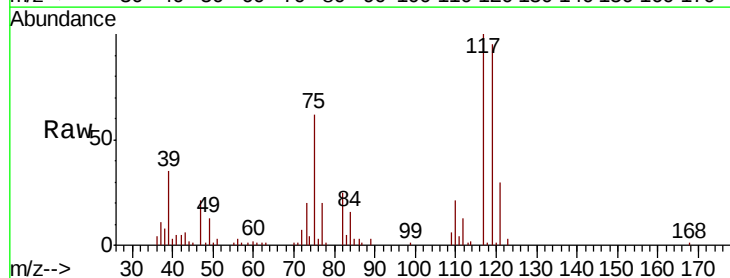
Instrument :
MSVOA_X
ClientSampleId :

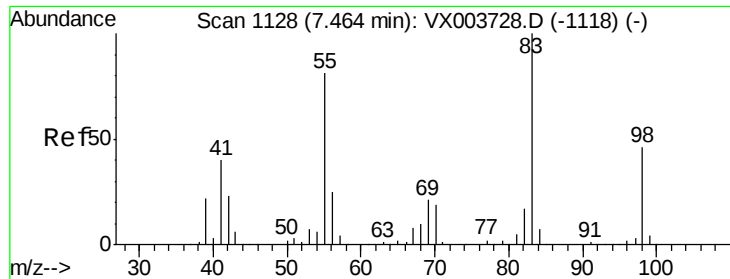
Tot Ion: 43 Resp: 22799
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.25 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 117 Resp: 28190
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8
121 30.4 25.0 37.4

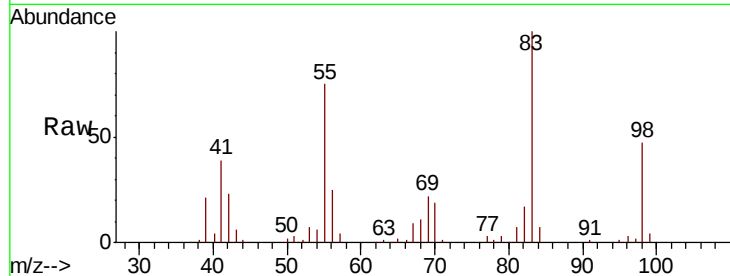




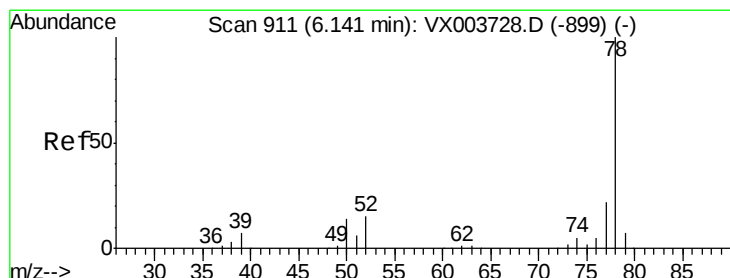
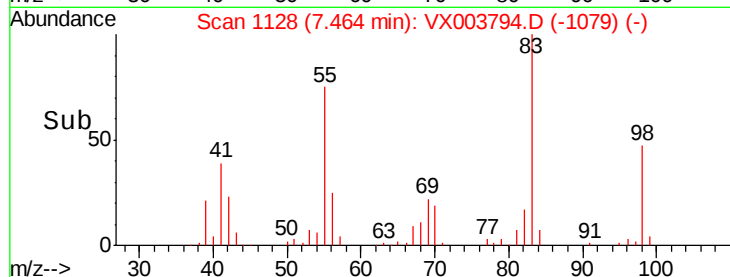
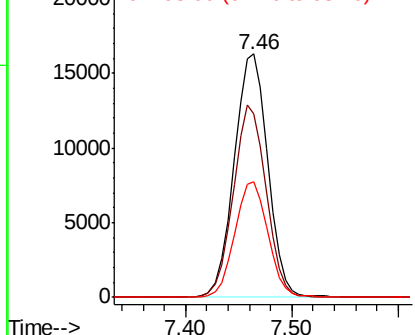
#39
Methvlcvclohexane
Concen: 19.57 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 36161
Ion Ratio Lower Upper
83 100
55 75.3 65.0 97.6
98 47.2 37.1 55.7

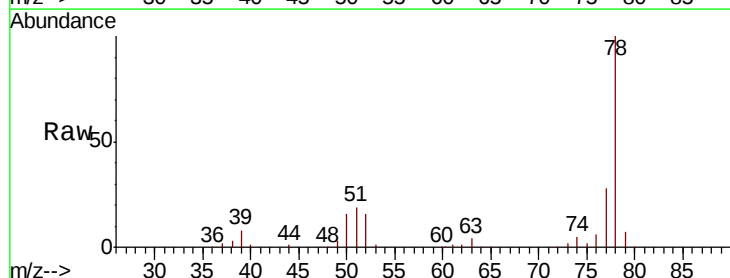


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

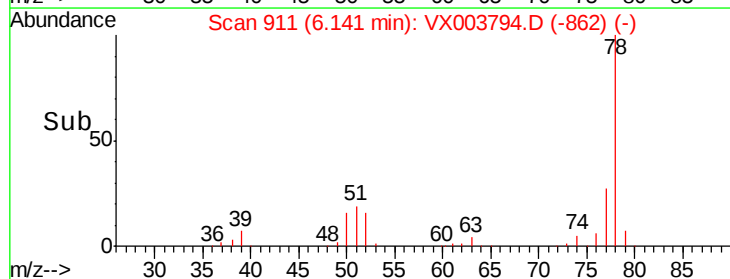
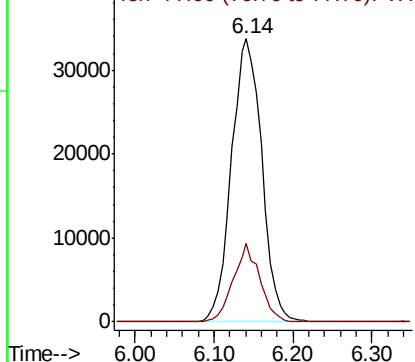


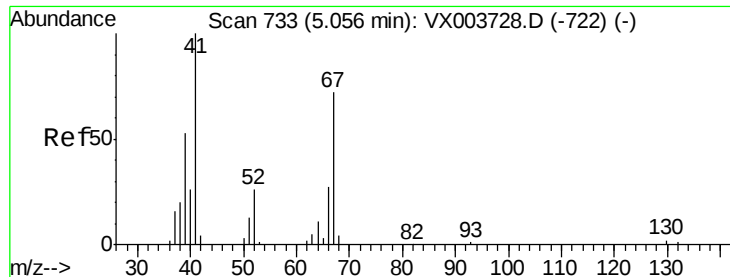
#40
Benzene
Concen: 20.91 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 78 Resp: 90171
Ion Ratio Lower Upper
78 100
77 27.6 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: 19.80 ug/l

RT: 5.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 12901

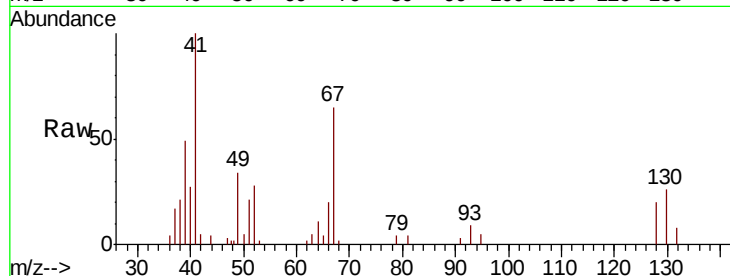
Ion Ratio Lower Upper

41 100

39 52.9 42.6 64.0

67 71.5 58.9 88.3

52 28.7 22.9 34.3

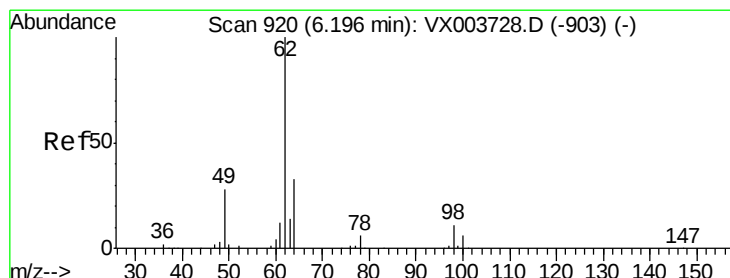
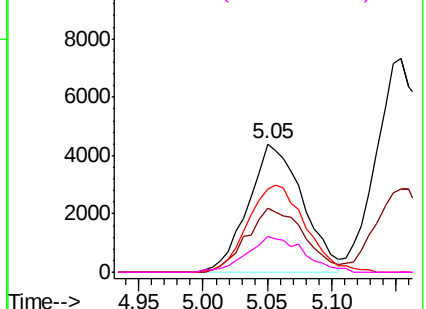
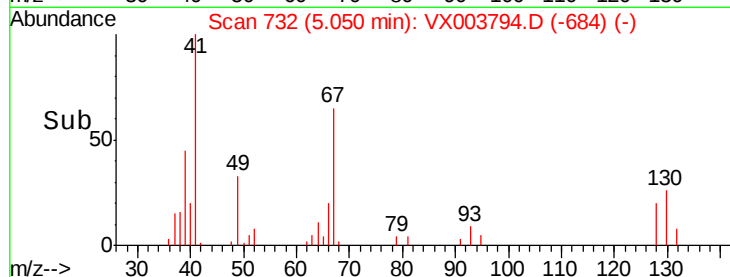


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.73 ug/l

RT: 6.19 min Scan# 919

Delta R.T. -0.01 min

Lab File: VX003794.D

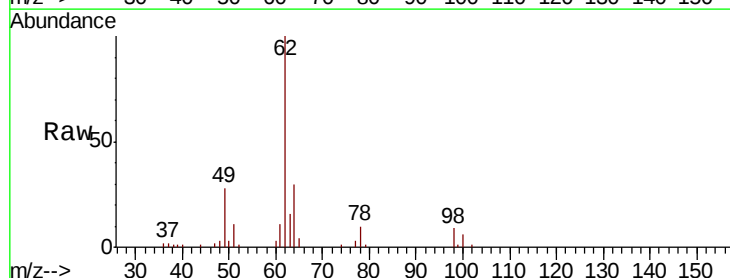
Acq: 01 Aug 2018 15:26

Tgt Ion: 62 Resp: 28303

Ion Ratio Lower Upper

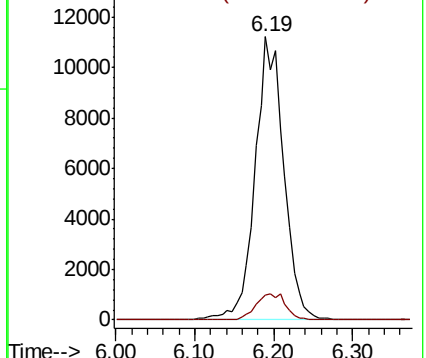
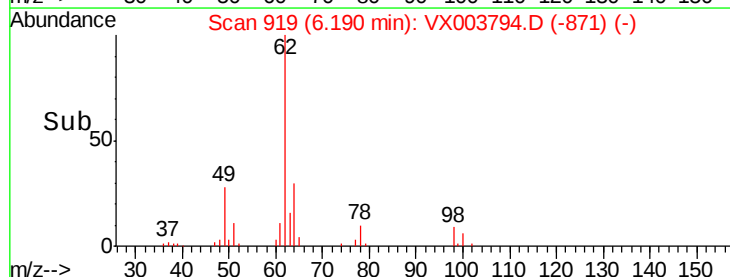
62 100

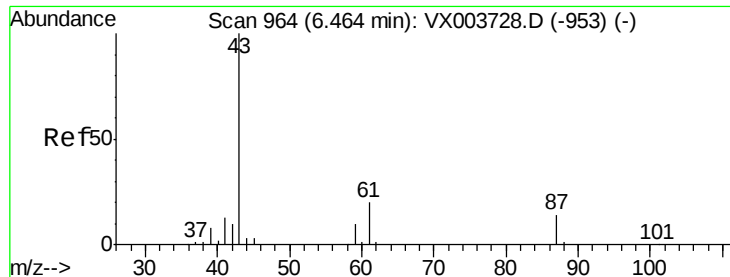
98 9.6 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.88 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

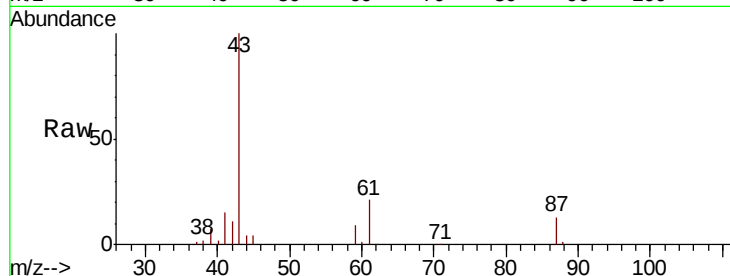
Tot Ion: 43 Resp: 36609

Ion Ratio Lower Upper

43 100

61 20.4 16.5 24.7

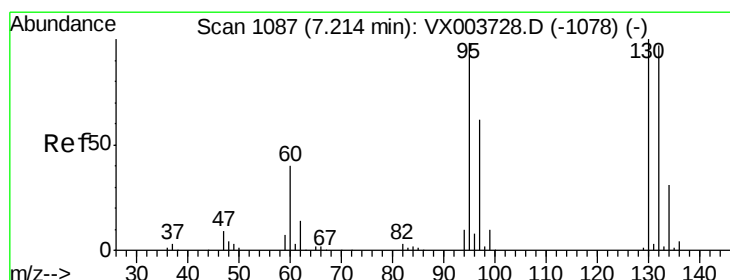
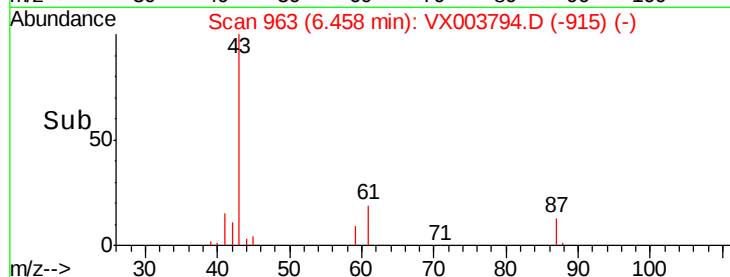
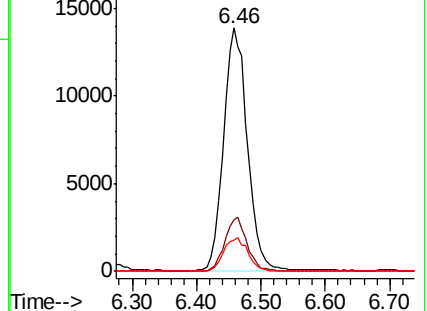
87 13.8 10.7 16.1



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: 19.96 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003794.D

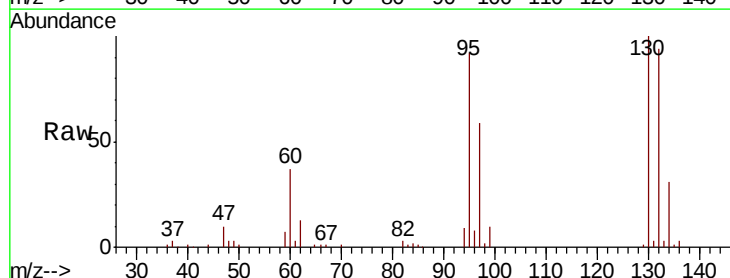
Acq: 01 Aug 2018 15:26

Tgt Ion:130 Resp: 24547

Ion Ratio Lower Upper

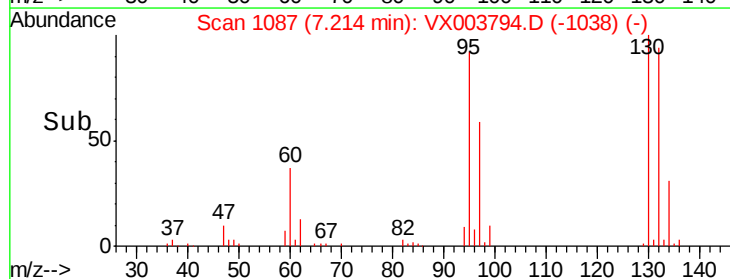
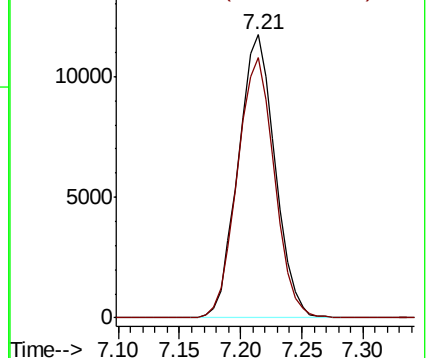
130 100

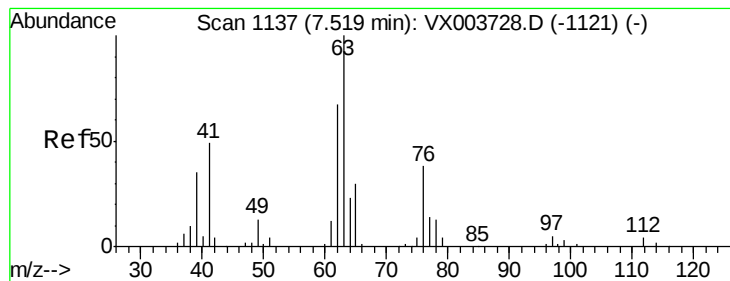
95 92.1 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.62 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

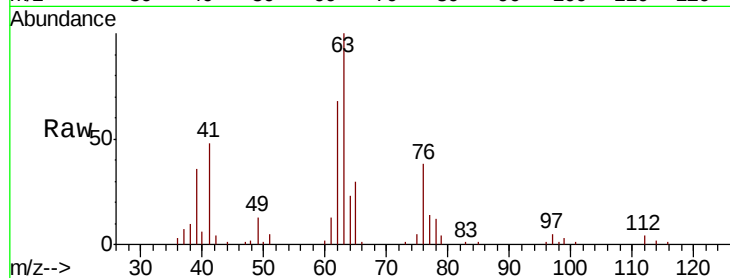
ClientSampleId :

Tot Ion: 63 Resp: 21868

Ion Ratio Lower Upper

63 100

65 30.1 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

12000

10000

8000

6000

4000

2000

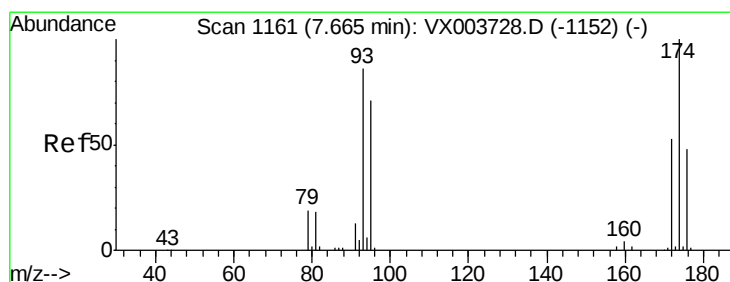
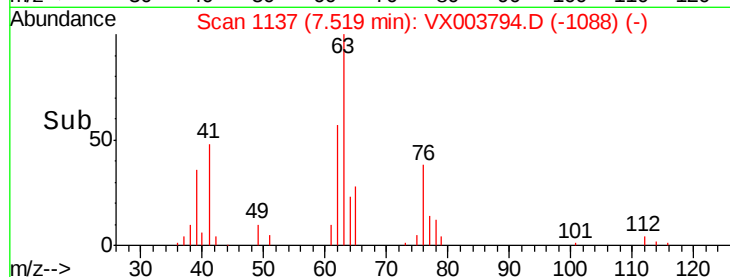
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 19.73 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

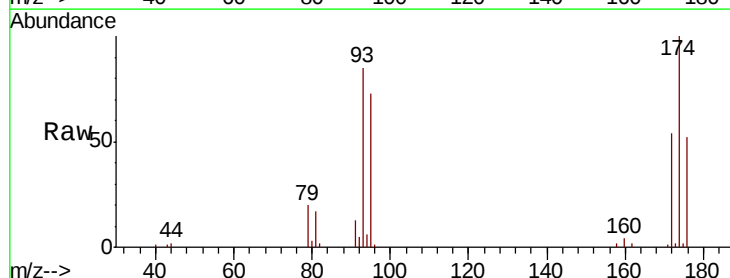
Tgt Ion: 93 Resp: 12056

Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

174 117.2 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

10000

8000

6000

4000

2000

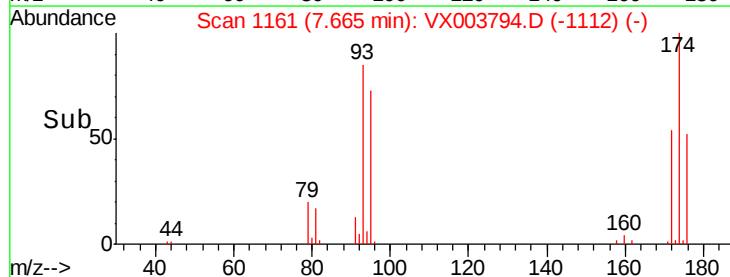
0

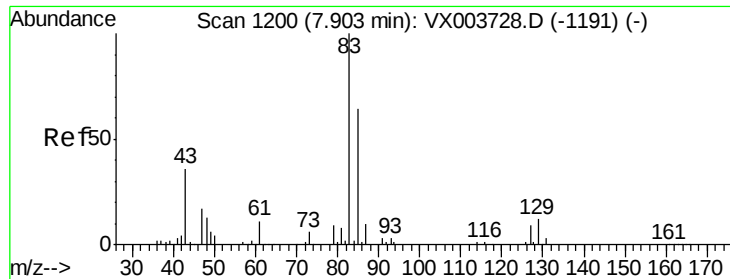
7.60

7.65

7.70

Time-->





#47

Bromodichloromethane

Concen: 20.26 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

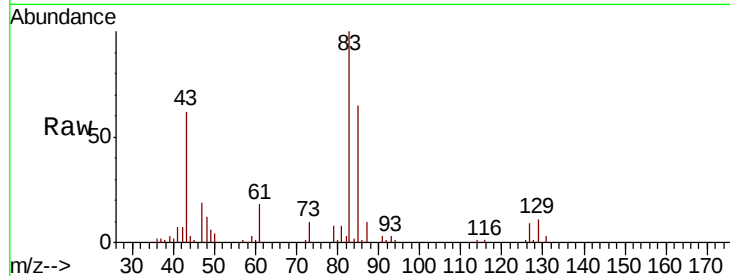
Tot Ion: 83 Resp: 24671

Ion Ratio Lower Upper

83 100

85 64.7 51.1 76.7

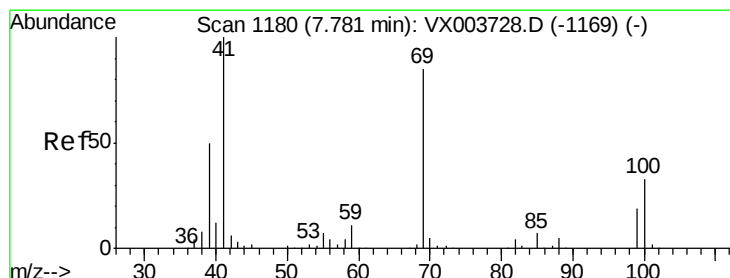
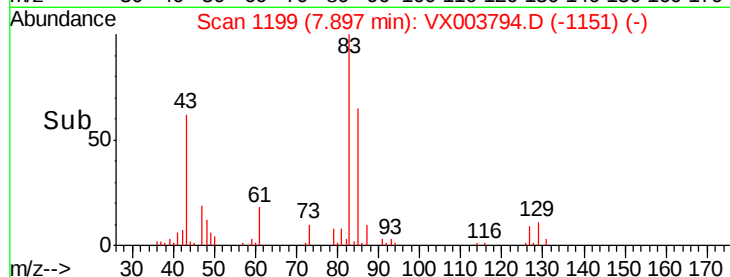
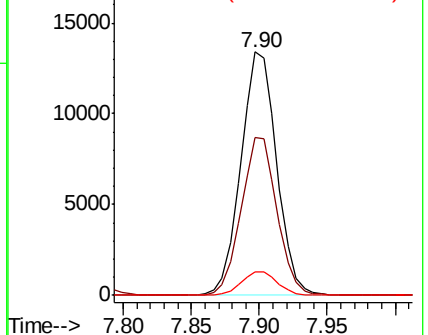
127 9.4 7.1 10.7



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: 19.25 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

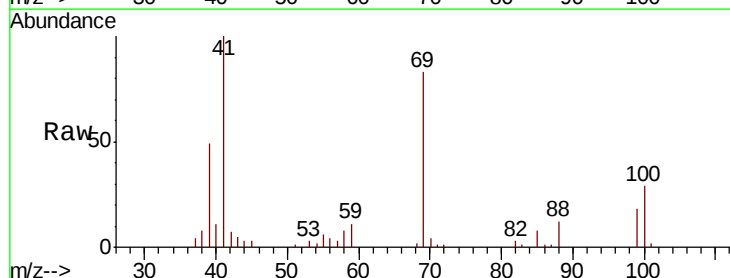
Tgt Ion: 41 Resp: 17782

Ion Ratio Lower Upper

41 100

69 86.2 68.7 103.1

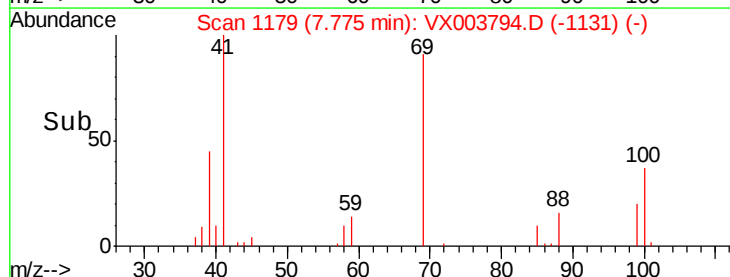
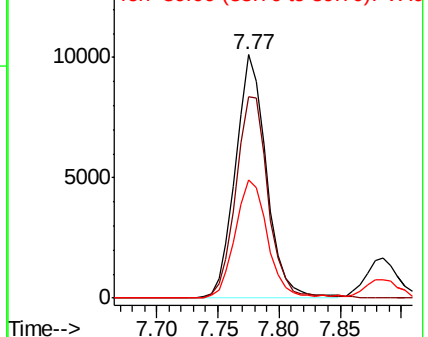
39 50.8 40.8 61.2

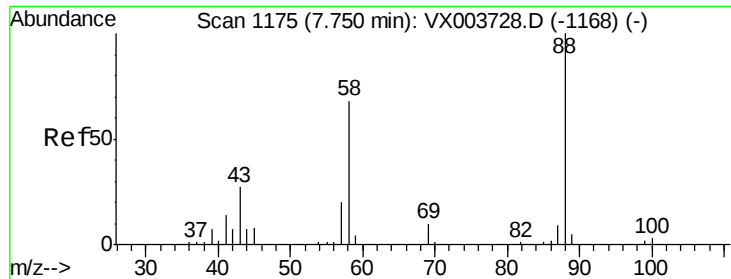


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

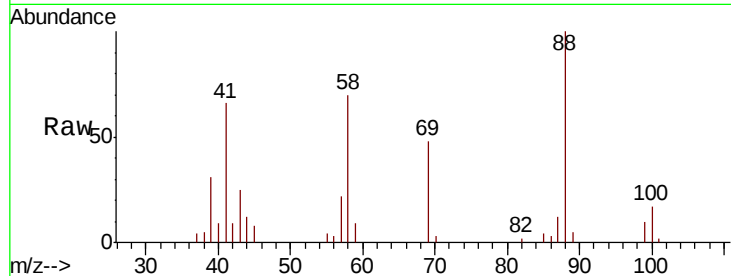




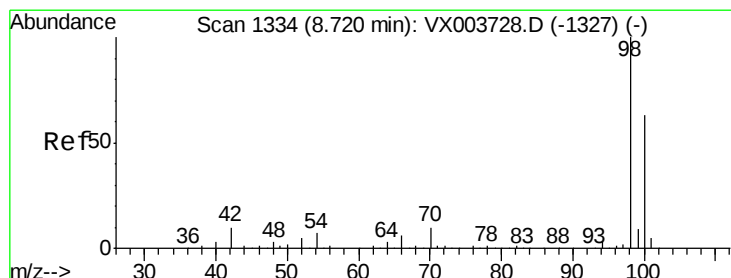
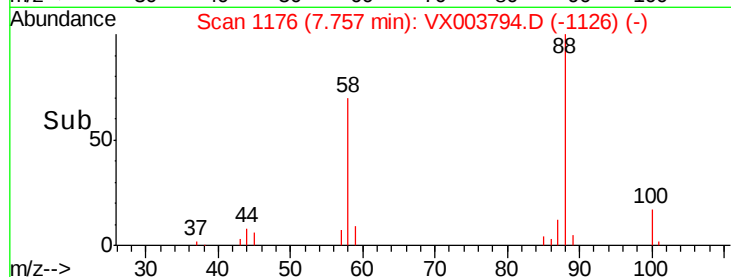
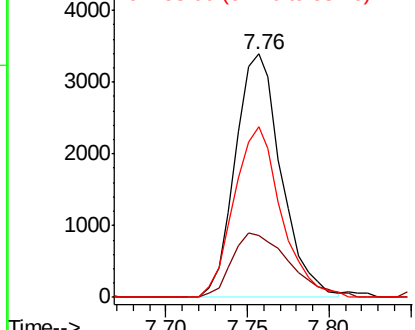
#49
1,4-Dioxane
Concen: 356.34 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 6644
Ion Ratio Lower Upper
88 100
43 33.1 26.0 39.0
58 71.8 57.1 85.7

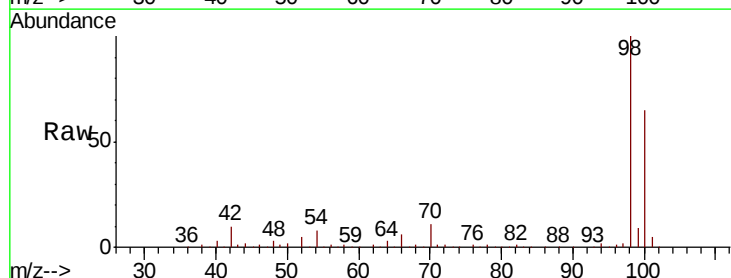


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

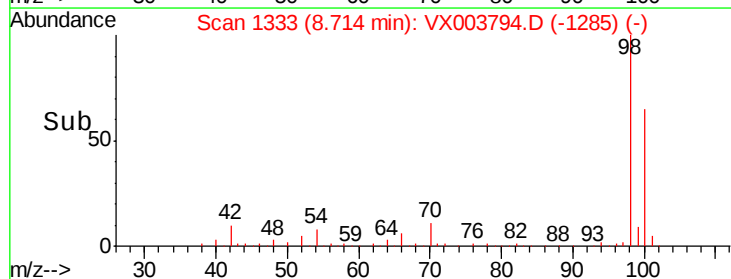
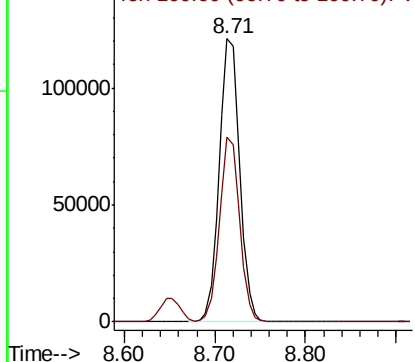


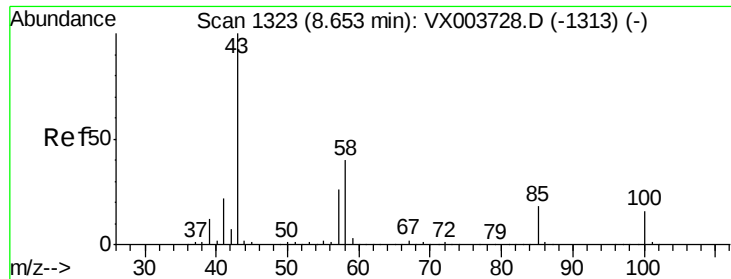
#50
Toluene-d8
Concen: 48.34 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 98 Resp: 190686
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

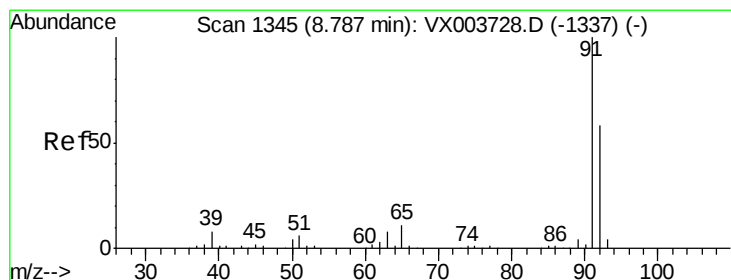
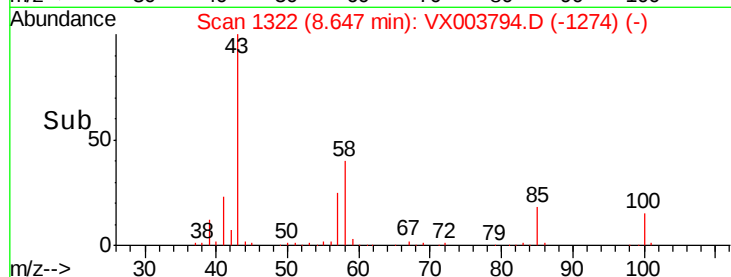
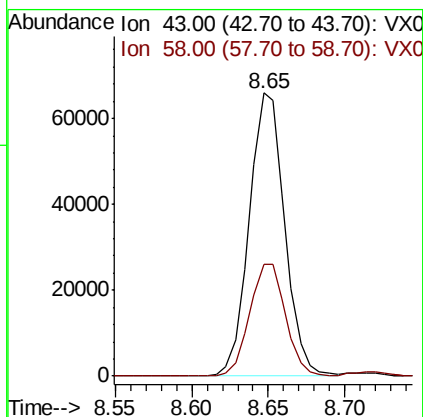
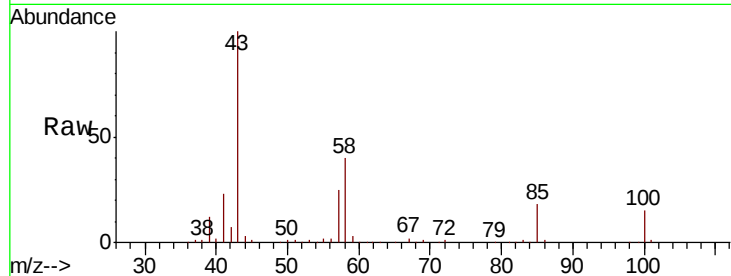




#51
4-Methyl-2-Pentanone
Concen: 93.68 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

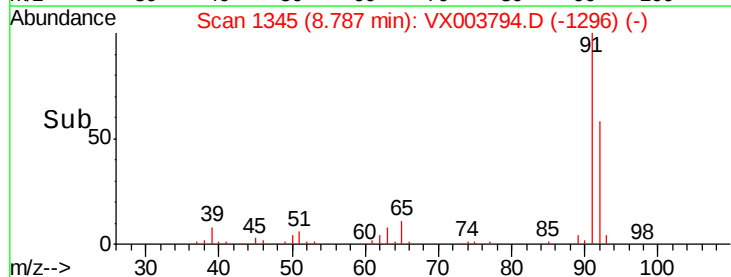
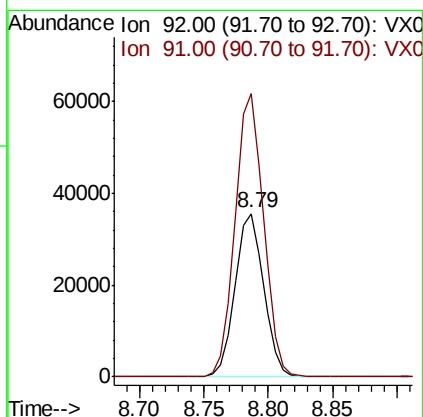
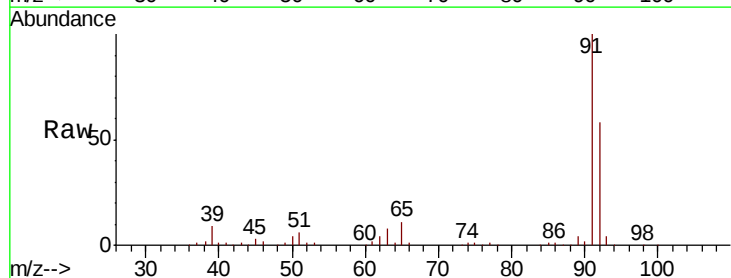
Instrument :
MSVOA_X
ClientSampleId :

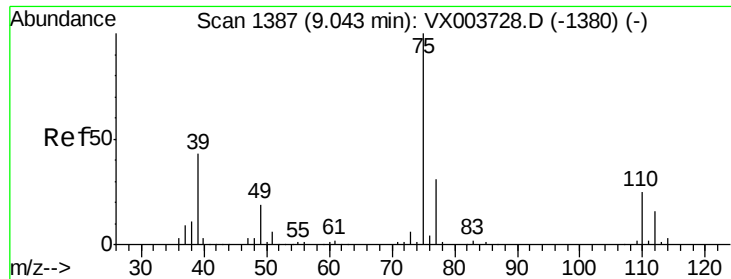
Tot Ion: 43 Resp: 106024
Ion Ratio Lower Upper
43 100
58 40.2 32.1 48.1



#52
Toluene
Concen: 20.52 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 92 Resp: 55184
Ion Ratio Lower Upper
92 100
91 172.5 139.4 209.2

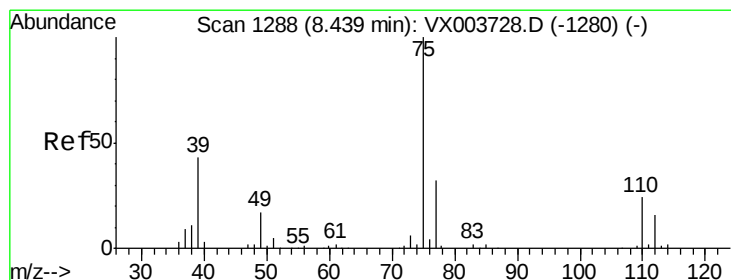
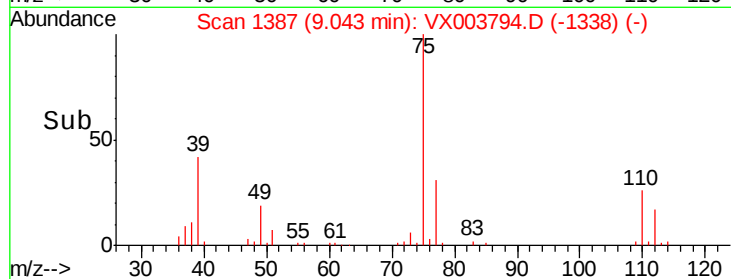
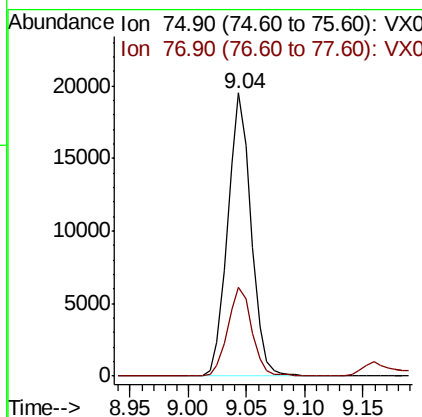
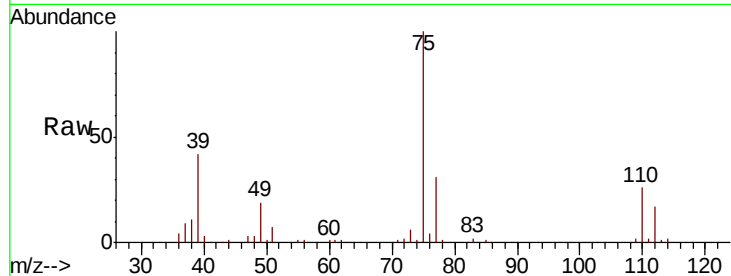




#53
t-1,3-Dichloropropene
Concen: 19.58 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

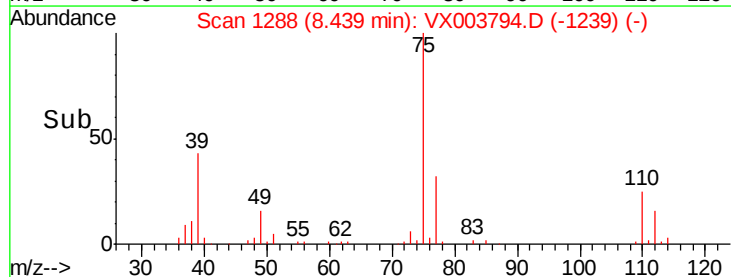
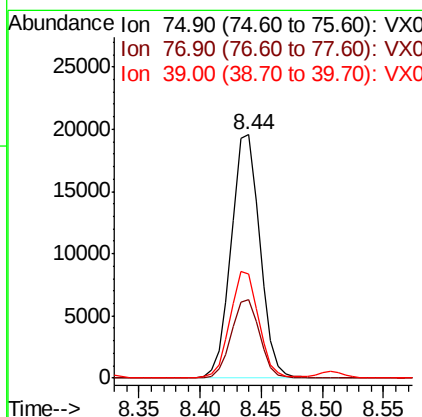
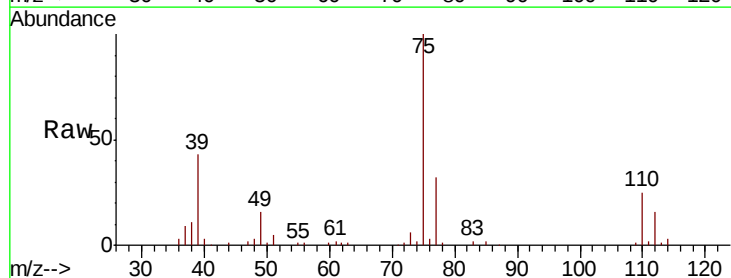
Instrument :
MSVOA_X
ClientSampleId :

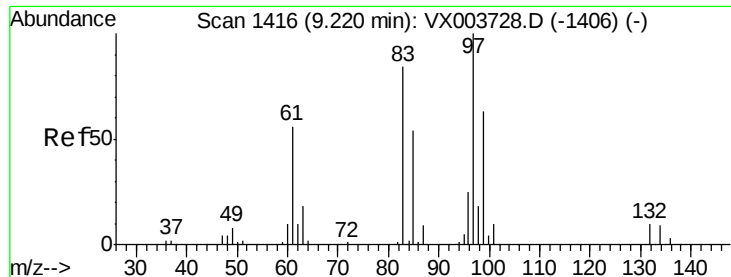
Tot Ion: 75 Resp: 27238
Ion Ratio Lower Upper
75 100
77 31.2 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 20.48 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 75 Resp: 31757
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 42.7 34.1 51.1

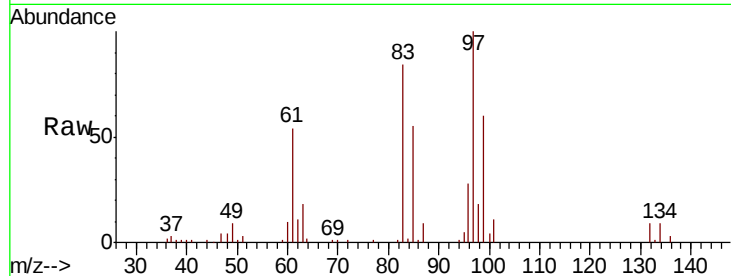




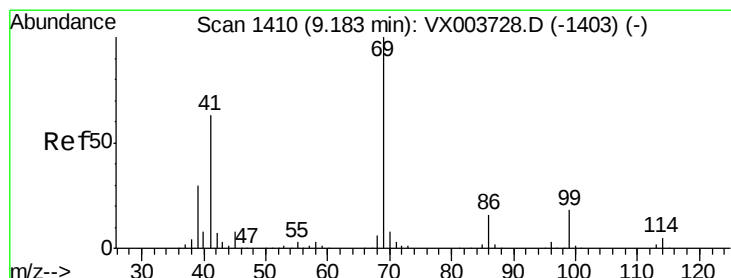
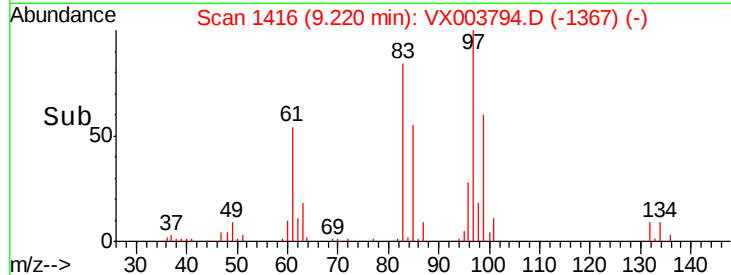
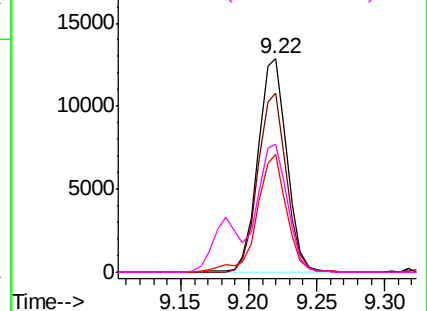
#55
1,1,2-Trichloroethane
Concen: 20.81 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	19260
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.0
85	55.1	43.3	64.9
99	60.2	50.8	76.2

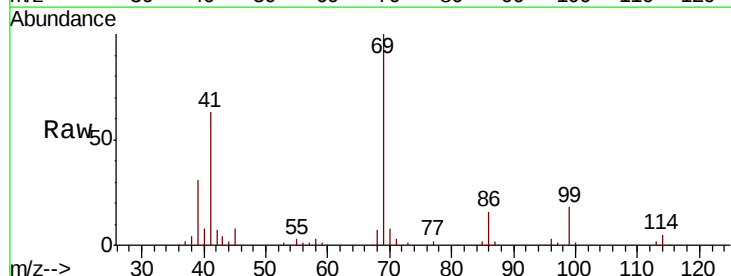


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

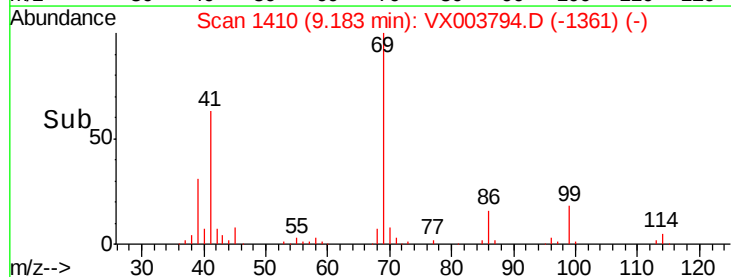
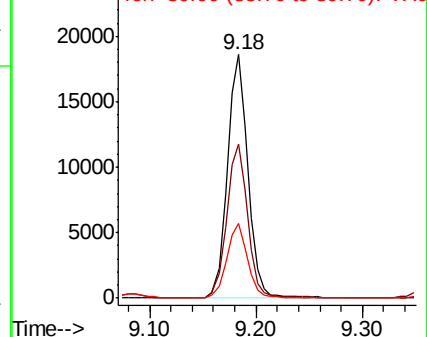


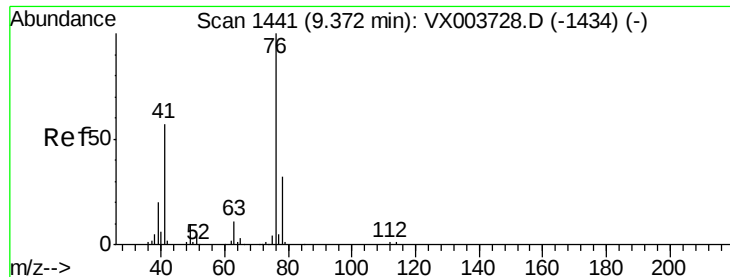
#56
Ethyl methacrylate
Concen: 19.69 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion:	69	Resp:	25039
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.6	77.4
39	31.4	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

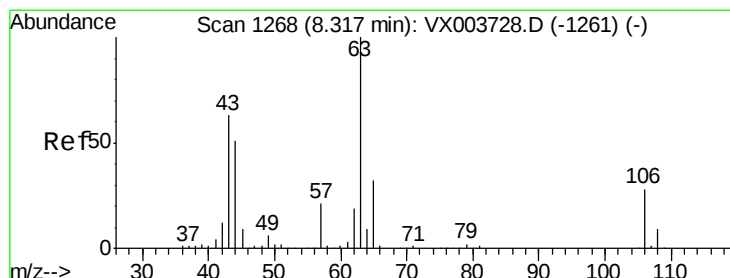
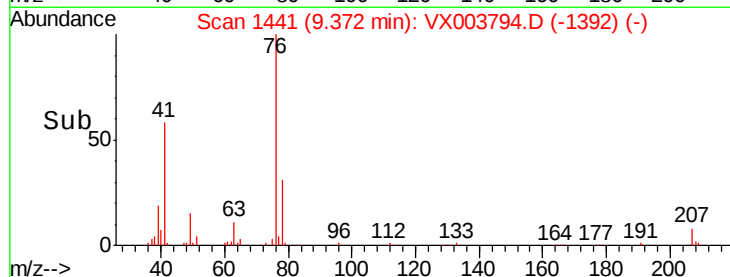
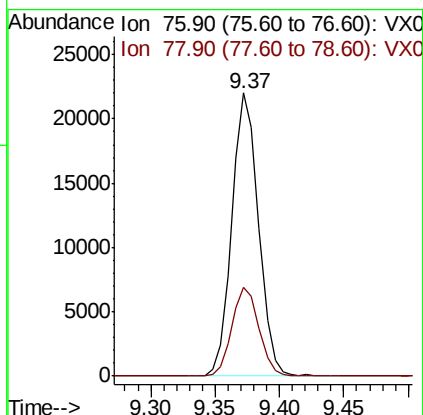
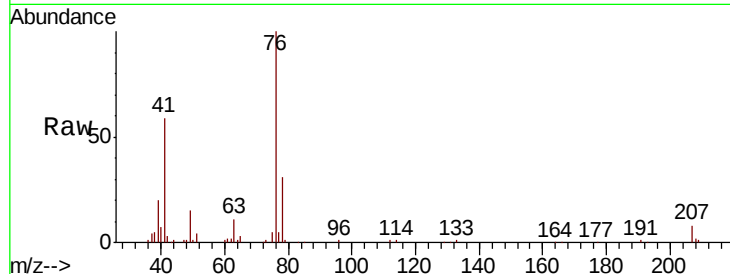




#57
 1,3-Dichloropropane
 Concen: 20.48 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

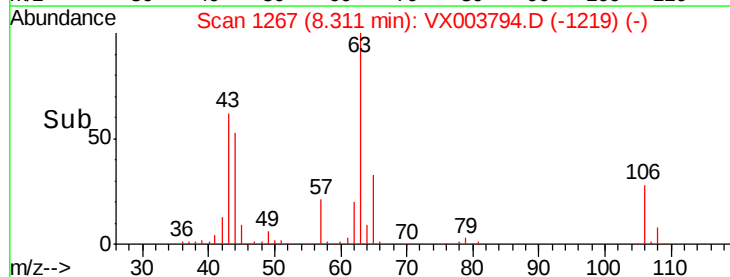
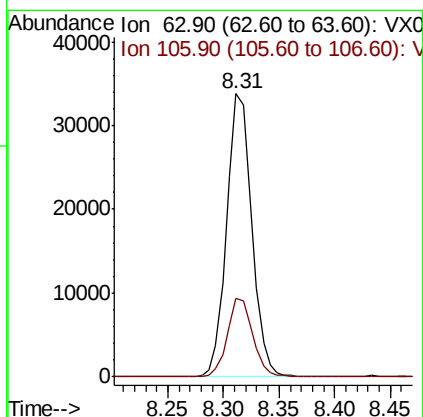
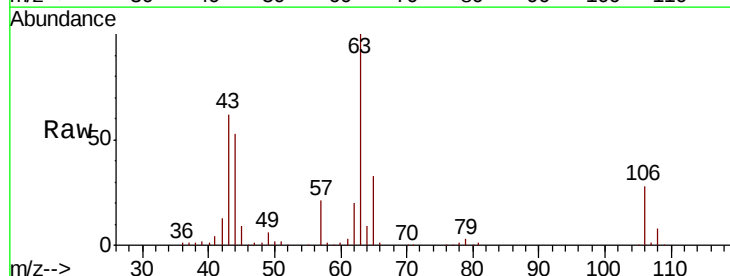
Instrument :
 MSVOA_X
 ClientSampleId :

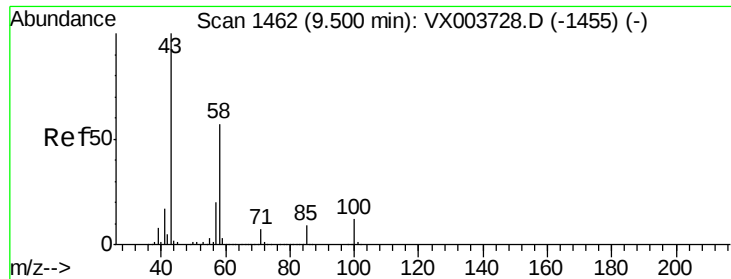
Tot Ion: 76 Resp: 31824
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.42 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion: 63 Resp: 53156
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.5 33.7

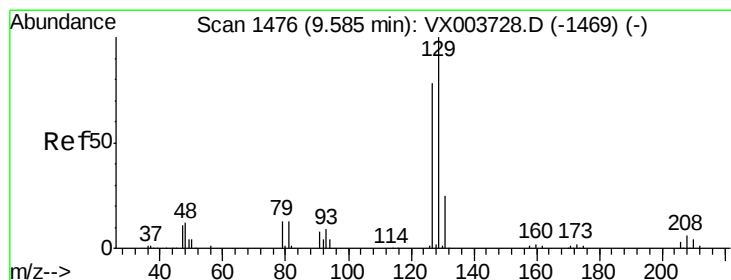
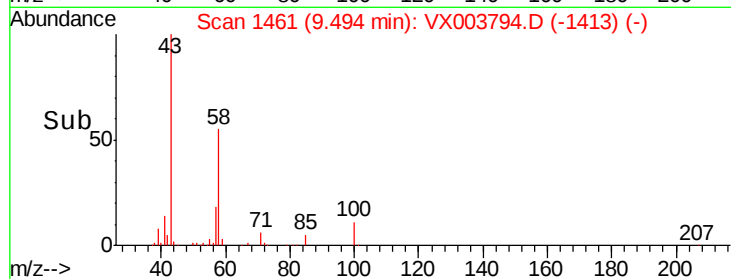
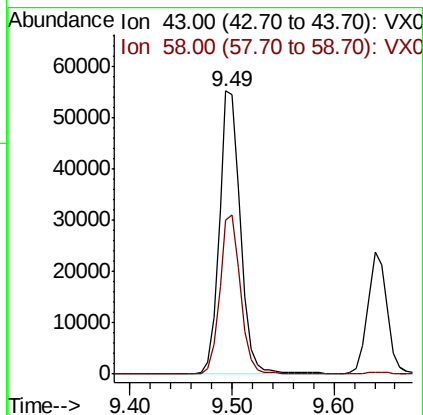
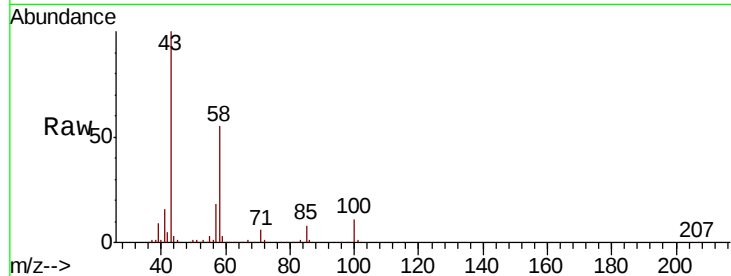




#59
2-Hexanone
Concen: 92.37 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

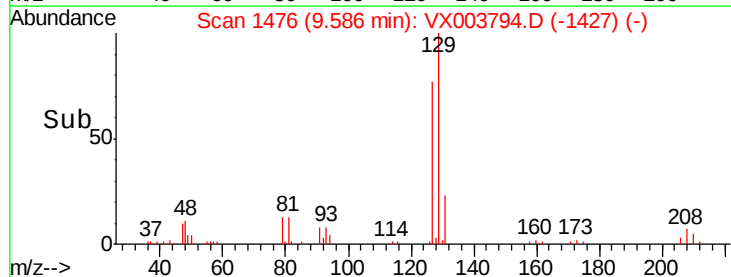
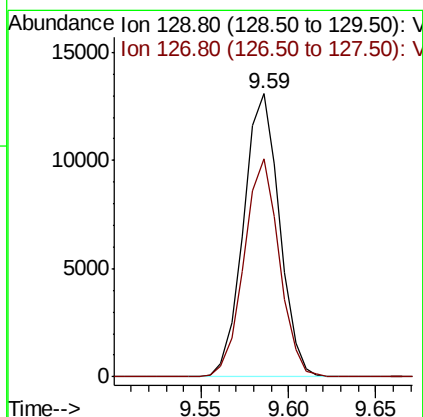
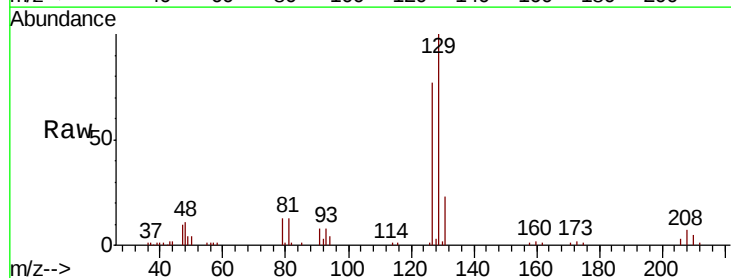
Instrument :
MSVOA_X
ClientSampleId :

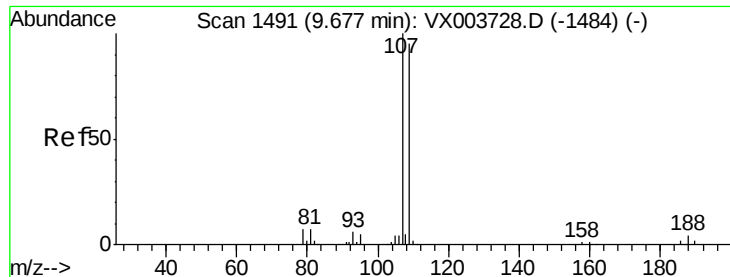
Tot Ion: 43 Resp: 79648
Ion Ratio Lower Upper
43 100
58 55.1 28.0 83.9



#60
Dibromochloromethane
Concen: 20.05 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 129 Resp: 18691
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 19.99 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

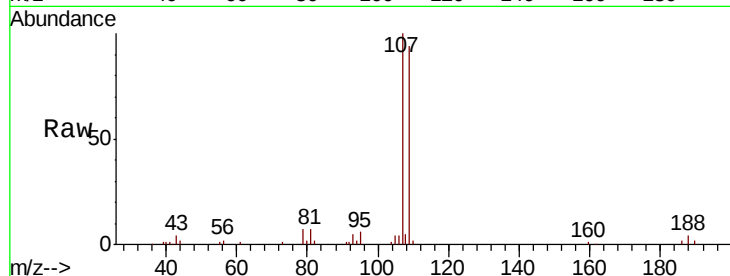
ClientSampled :

Tot Ion:107 Resp: 18897

Ion Ratio Lower Upper

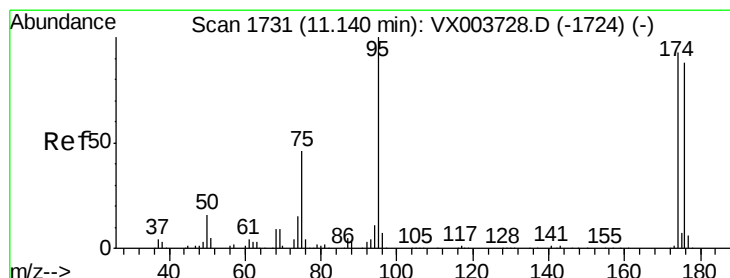
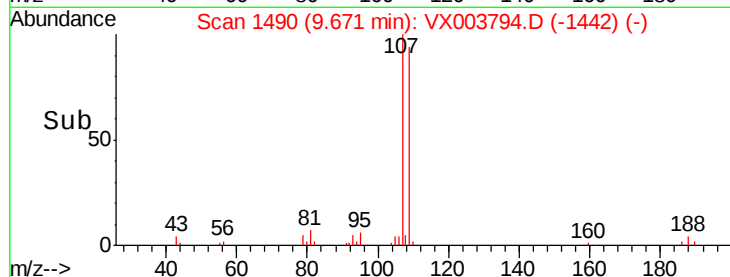
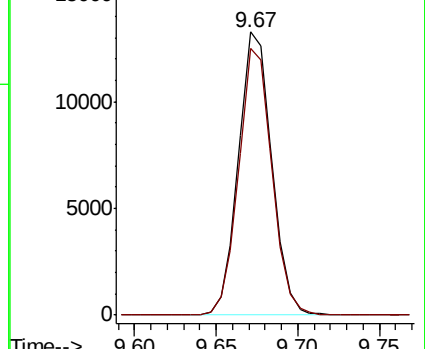
107 100

109 94.2 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: 47.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

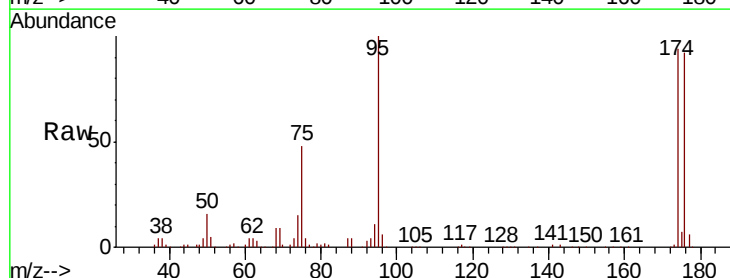
Tgt Ion: 95 Resp: 69320

Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.2

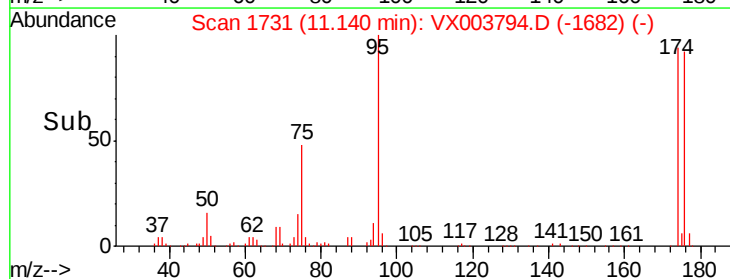
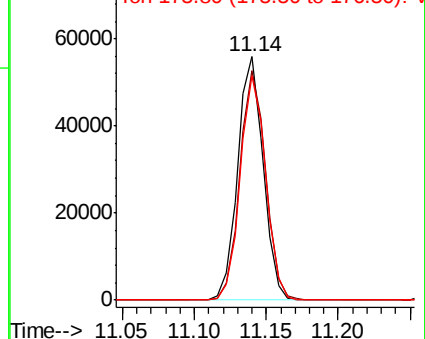
176 91.5 0.0 179.2

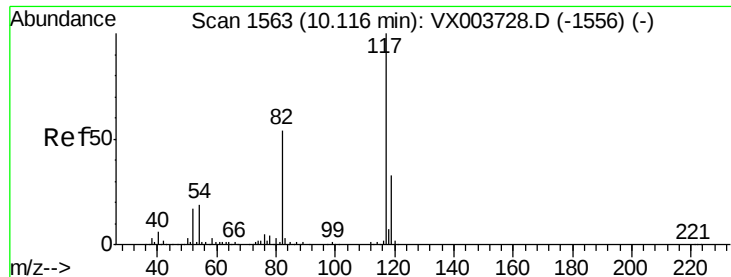


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

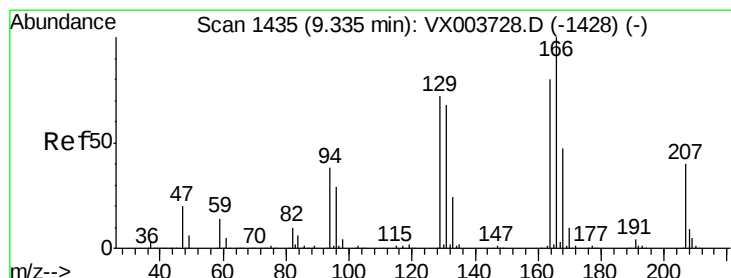
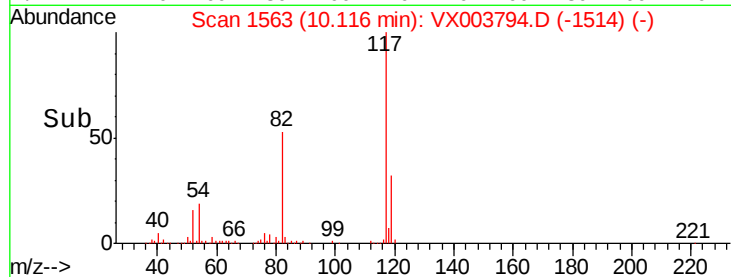
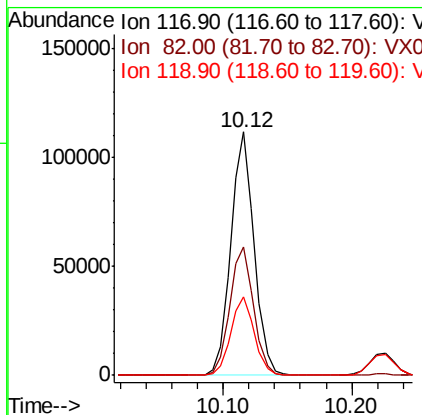
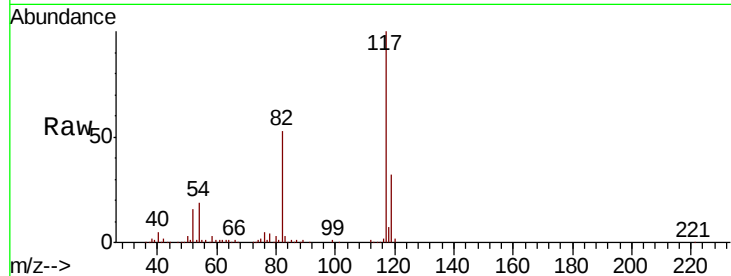




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

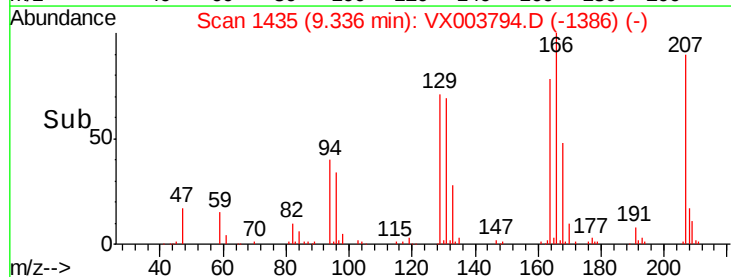
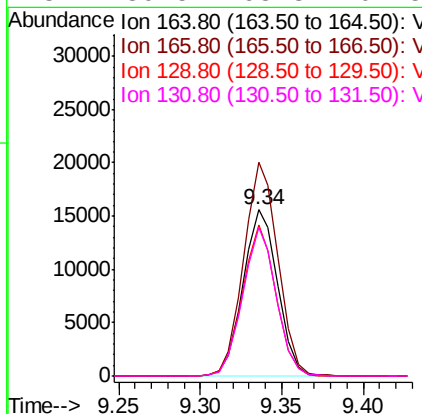
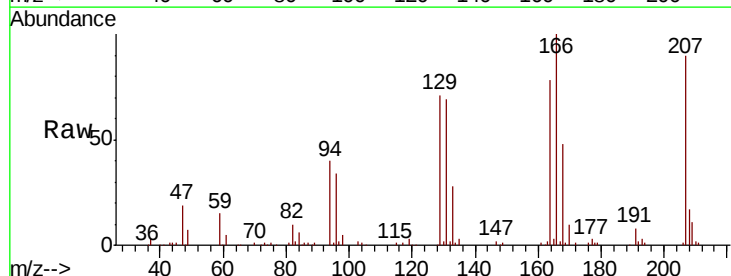
Instrument :
MSVOA_X
ClientSampled :

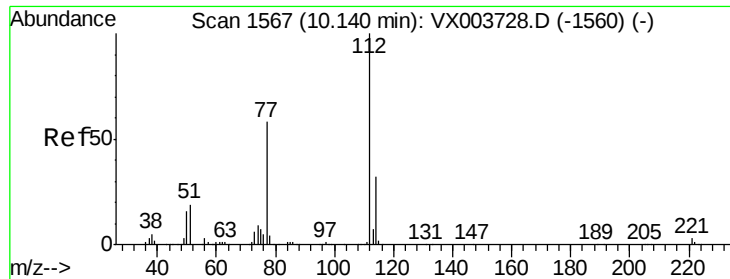
Tot Ion:117 Resp: 141153
Ion Ratio Lower Upper
117 100
82 52.7 43.2 64.8
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 20.63 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion:164 Resp: 22888
Ion Ratio Lower Upper
164 100
166 128.8 100.4 150.6
129 90.9 71.8 107.8
131 89.5 68.3 102.5





#65

Chlorobenzene

Concen: 21.06 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

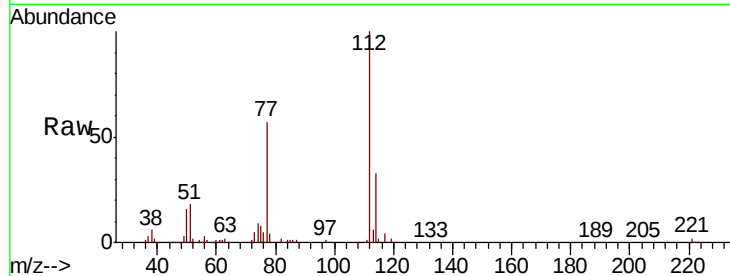
ClientSampled :

Tot Ion:112 Resp: 62113

Ion Ratio Lower Upper

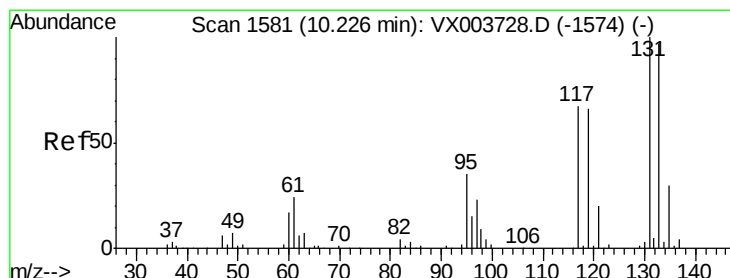
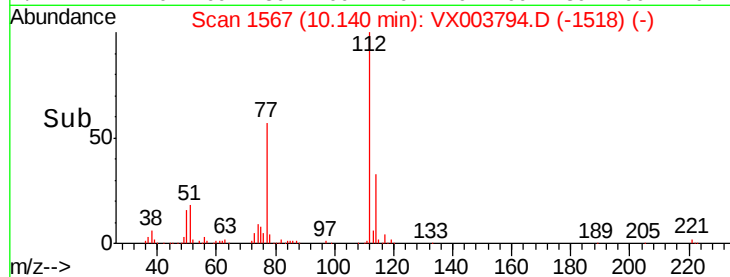
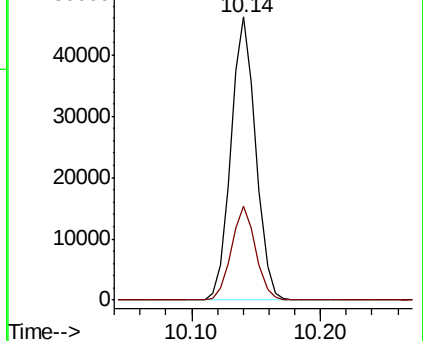
112 100

114 33.1 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.95 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

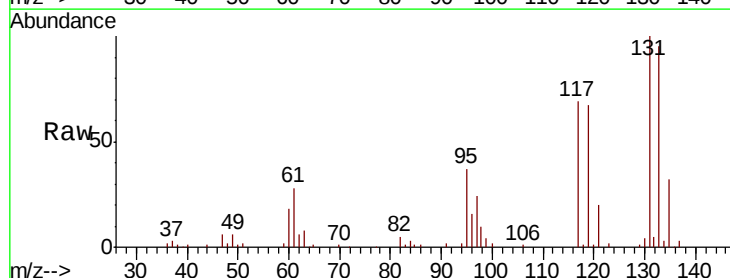
Tgt Ion:131 Resp: 20153

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

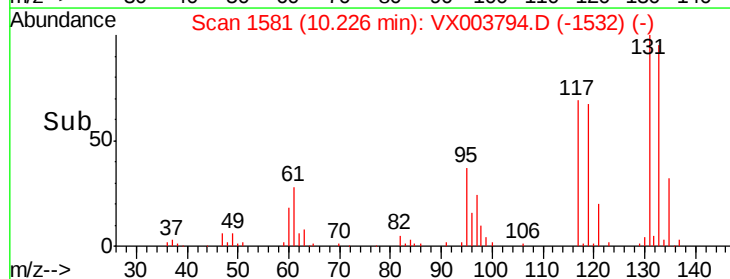
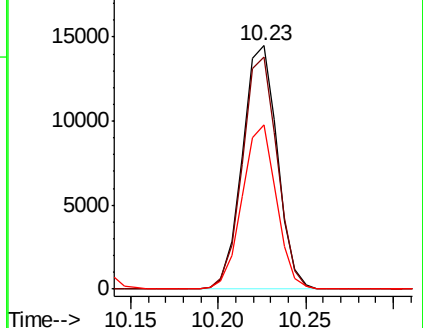
119 66.2 32.8 98.3

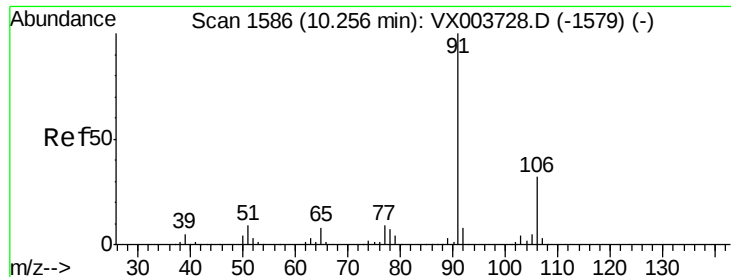


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

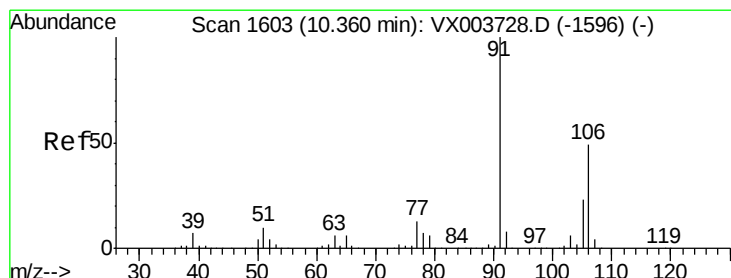
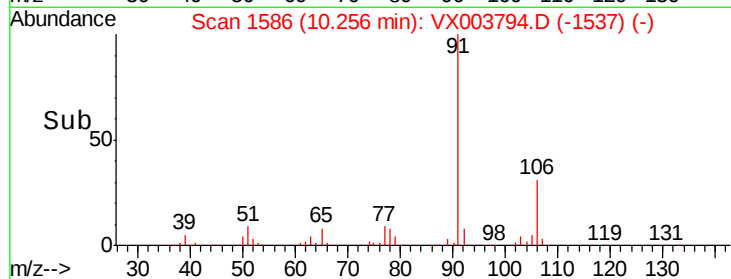
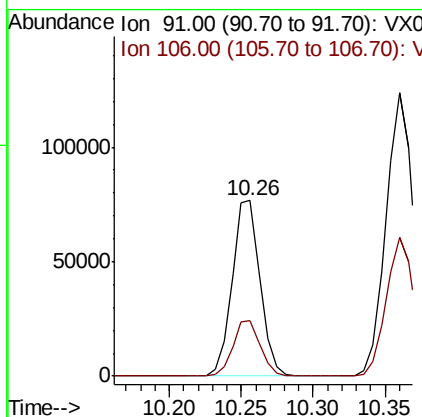
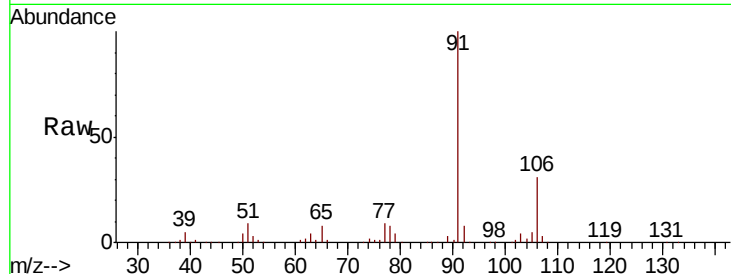




#67
Ethyl Benzene
Concen: 20.94 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

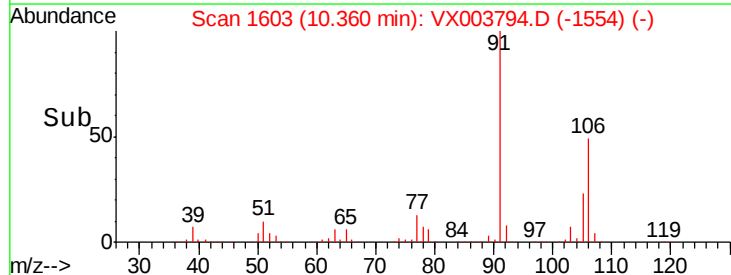
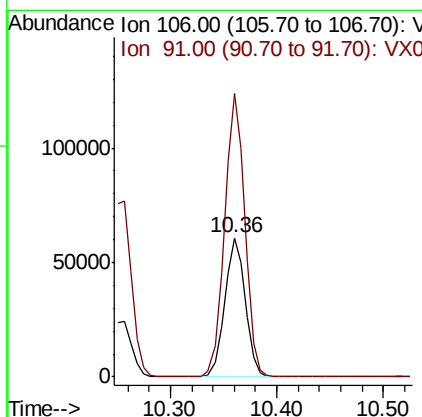
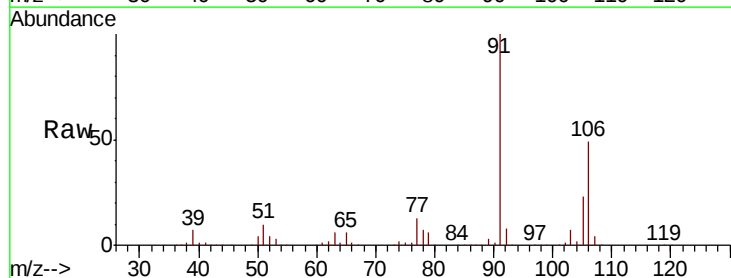
Instrument :
MSVOA_X
ClientSampled :

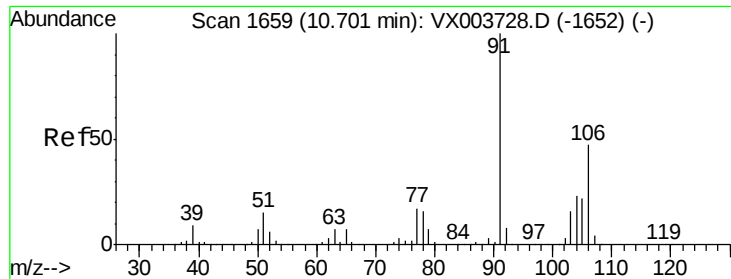
Tot Ion: 91 Resp: 104279
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 41.85 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 106 Resp: 81528
Ion Ratio Lower Upper
106 100
91 201.7 159.8 239.8

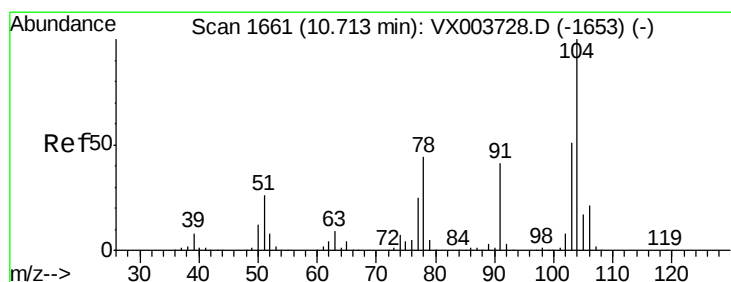
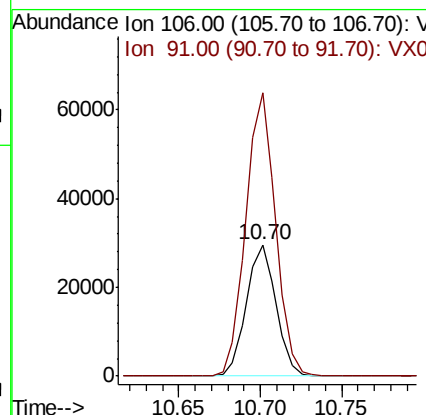
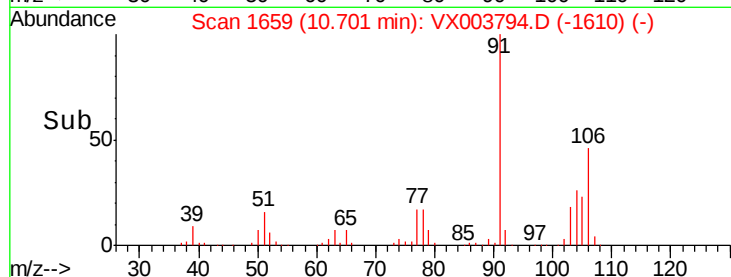
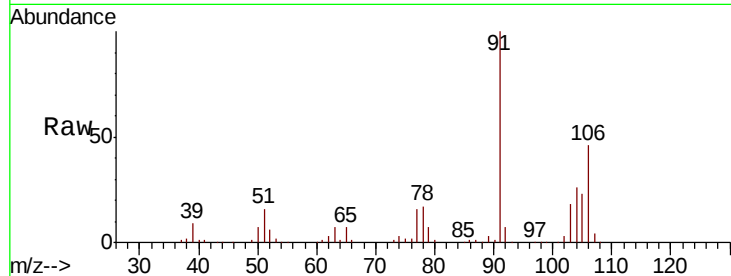




#69
o-Xylene
Concen: 20.82 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

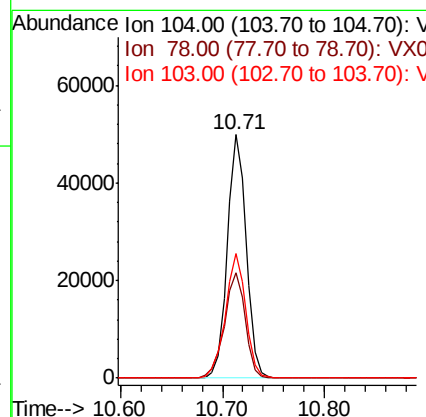
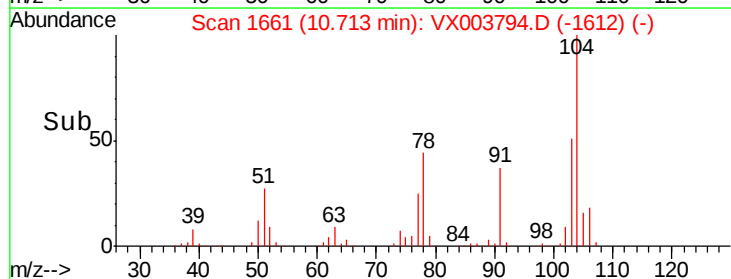
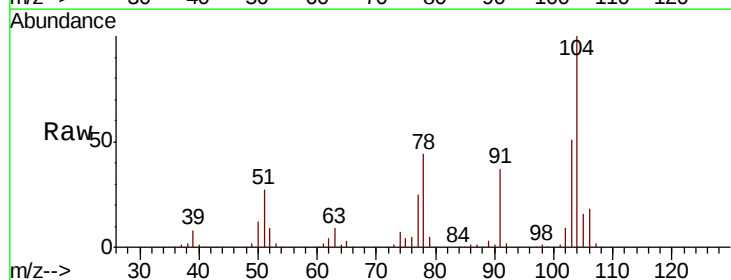
Instrument :
MSVOA_X
ClientSampleId :

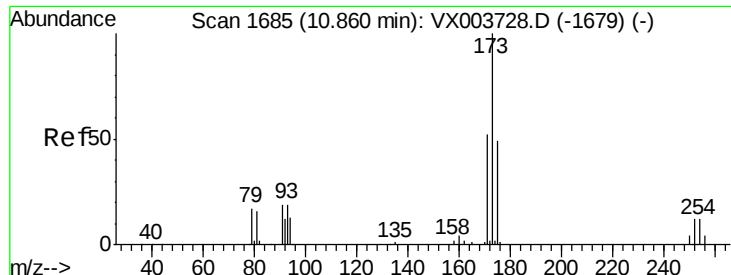
Tot Ion:106 Resp: 37668
Ion Ratio Lower Upper
106 100
91 215.7 105.6 316.8



#70
Styrene
Concen: 21.18 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion:104 Resp: 64458
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.0 44.5 66.7

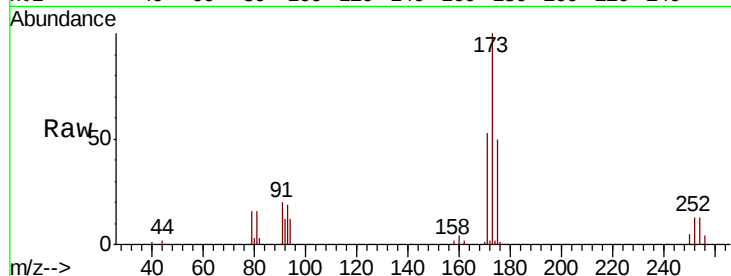




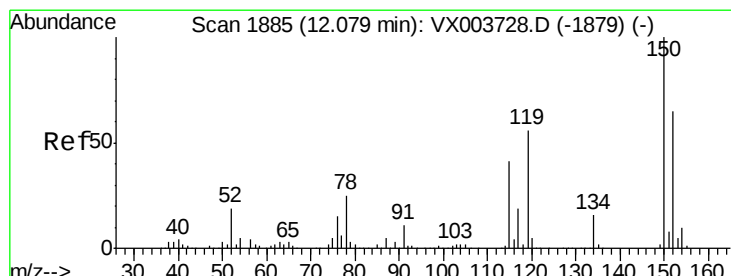
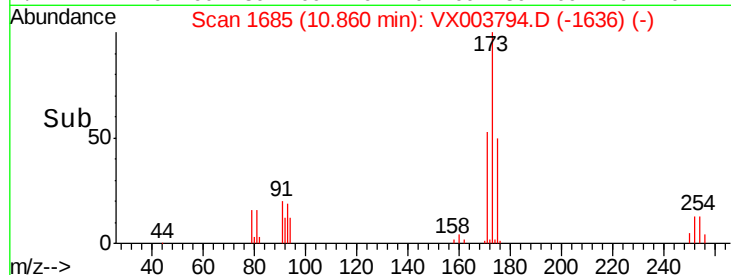
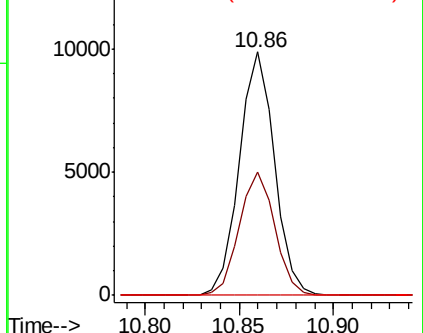
#71
Bromoform
Concen: 19.32 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 12775
Ion Ratio Lower Upper
173 100
175 50.9 24.9 74.6
254 0.0 0.0 0.0

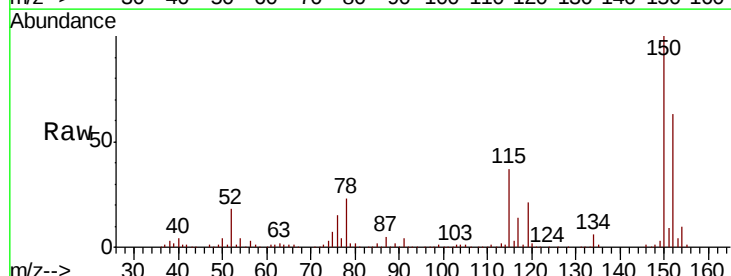


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

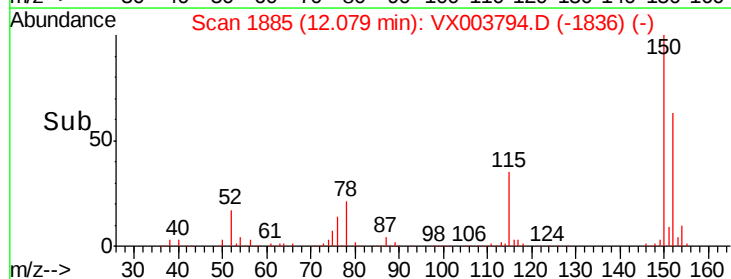
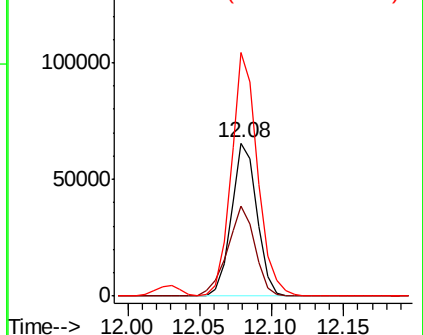


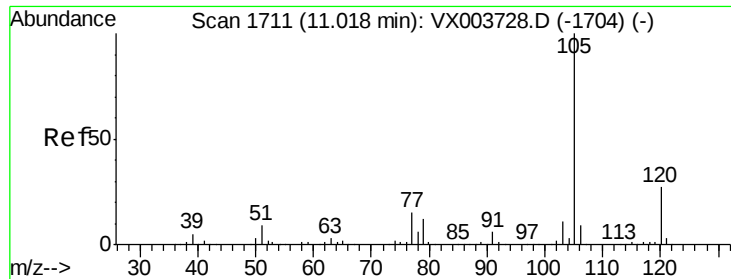
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion:152 Resp: 81104
Ion Ratio Lower Upper
152 100
115 63.9 38.5 115.3
150 163.5 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: 20.84 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

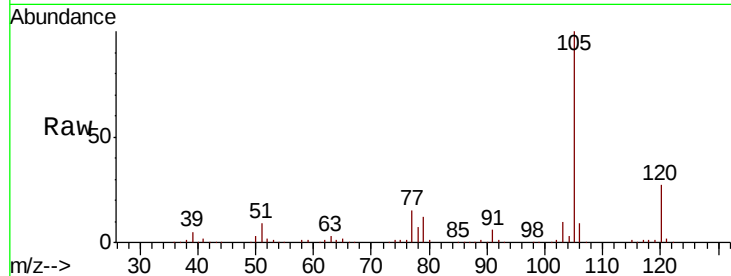
ClientSampleId :

Tot Ion:105 Resp: 105834

Ion Ratio Lower Upper

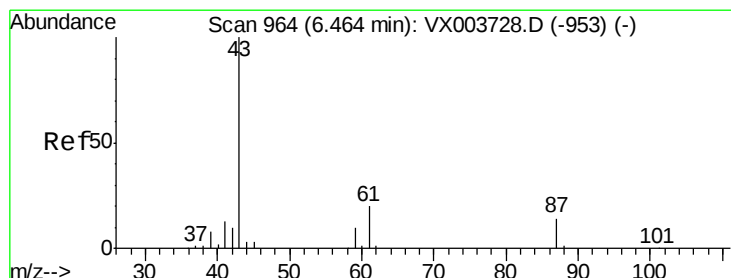
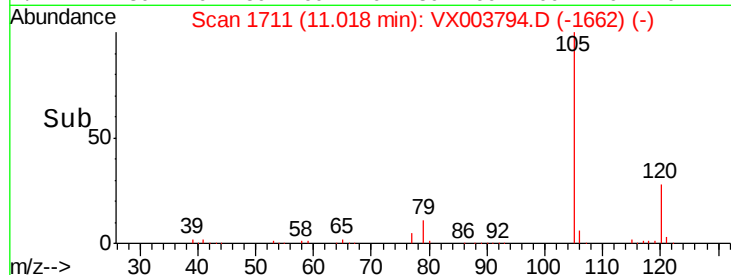
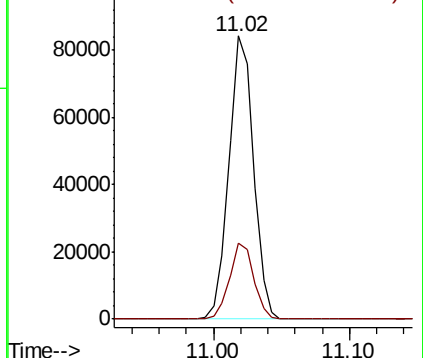
105 100

120 26.6 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: 20.34 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Tgt Ion: 43 Resp: 36609

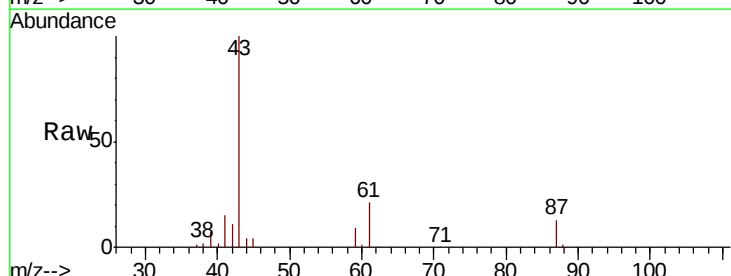
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

61 20.4 17.8 26.8

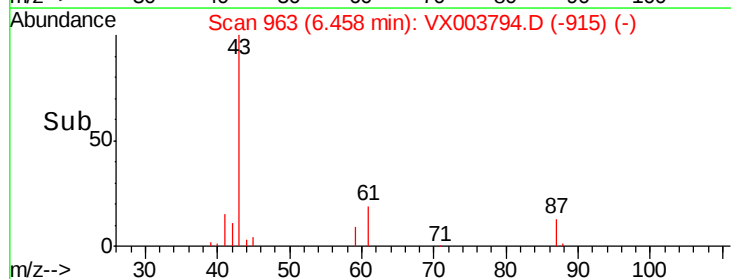
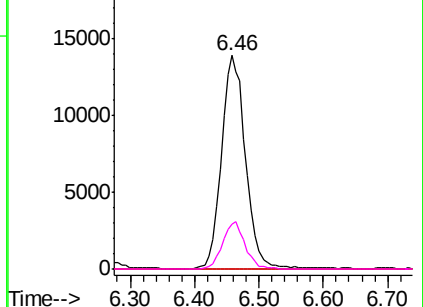


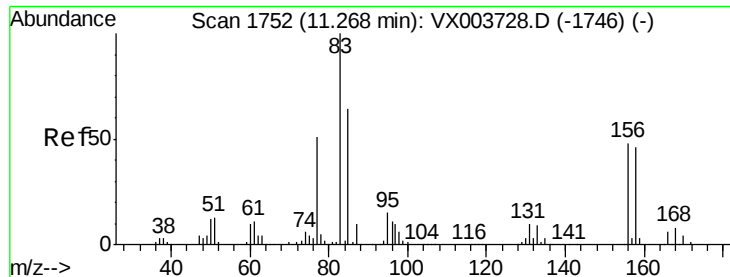
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.55 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

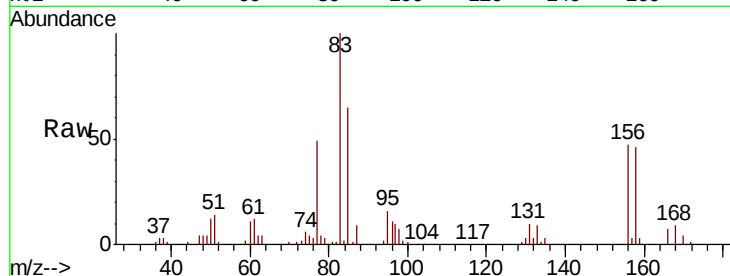
Tot Ion: 83 Resp: 25809

Ion Ratio Lower Upper

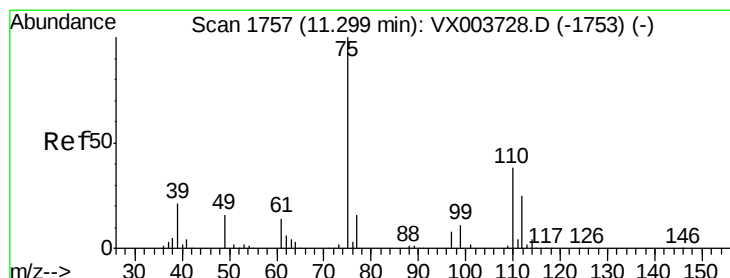
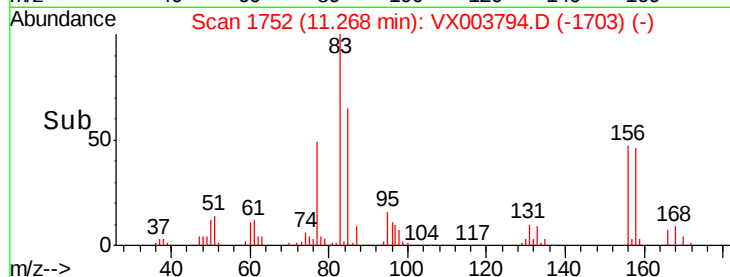
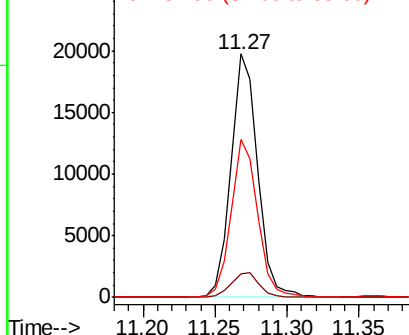
83 100

131 10.7 5.3 15.9

85 64.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.99 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003794.D

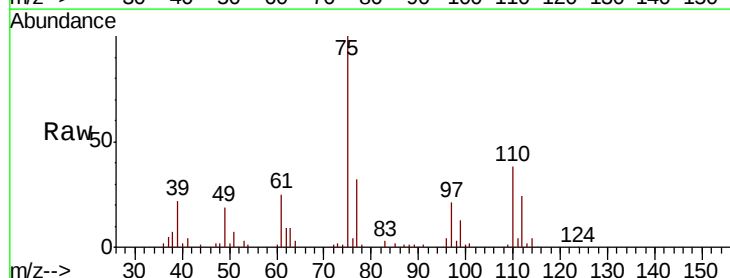
Acq: 01 Aug 2018 15:26

Tgt Ion: 75 Resp: 29060

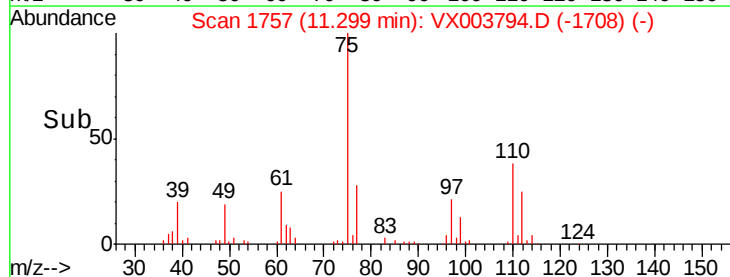
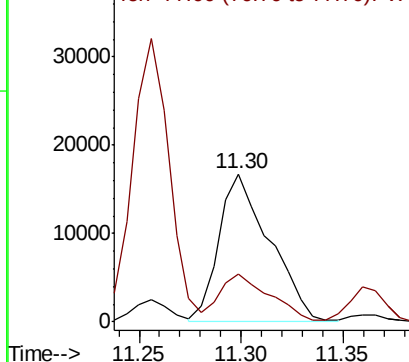
Ion Ratio Lower Upper

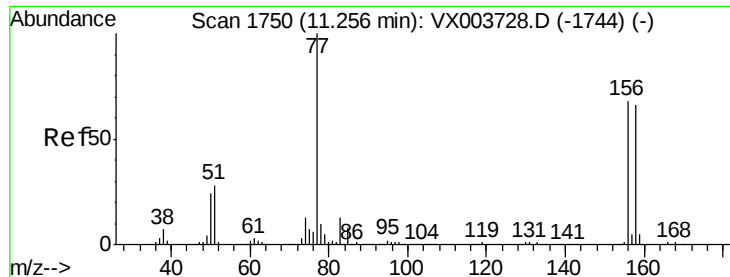
75 100

77 32.2 21.6 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.76 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

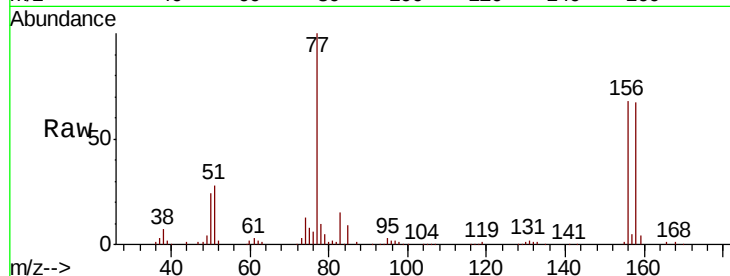
Tot Ion:156 Resp: 27486

Ion Ratio Lower Upper

156 100

77 146.6 71.8 215.3

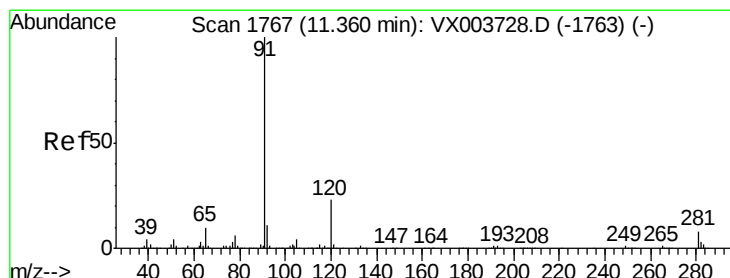
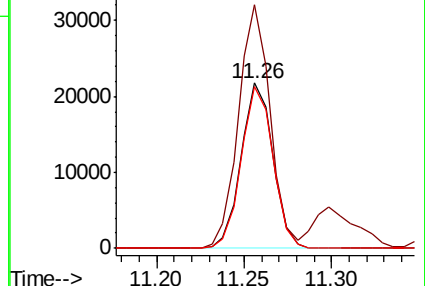
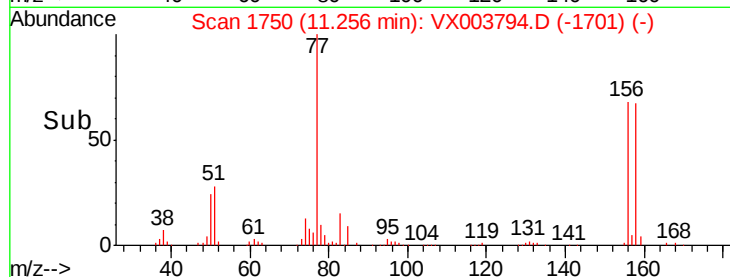
158 97.8 48.8 146.4



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: 20.58 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003794.D

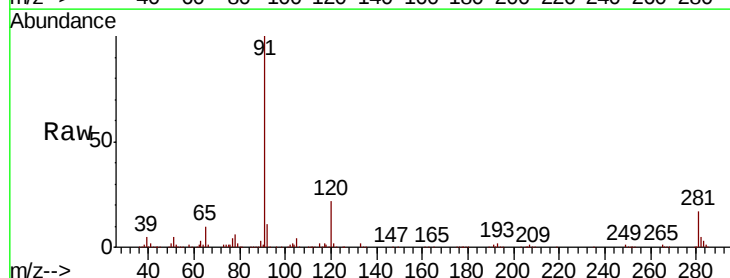
Acq: 01 Aug 2018 15:26

Tgt Ion: 91 Resp: 126603

Ion Ratio Lower Upper

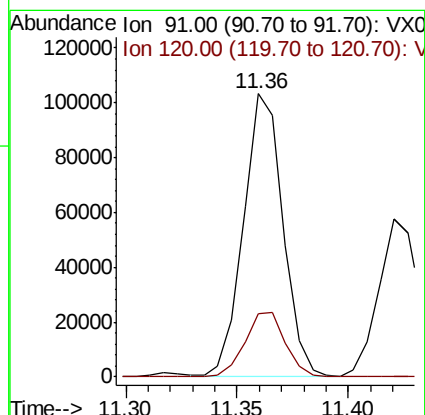
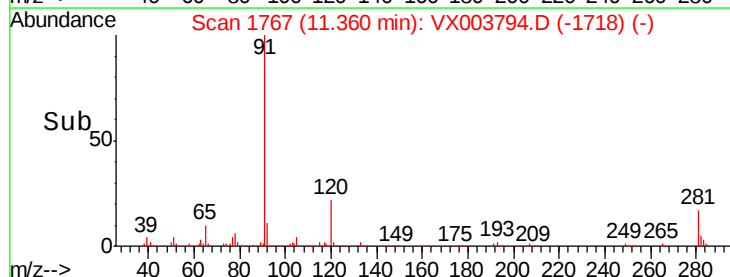
91 100

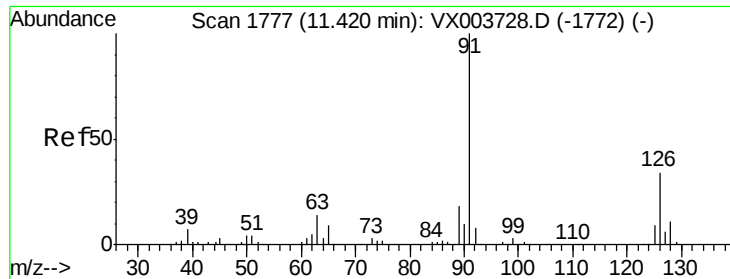
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.69 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

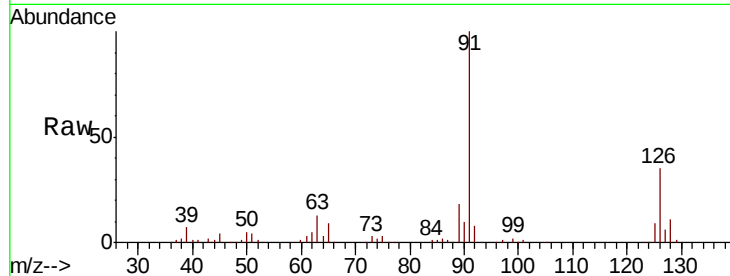
ClientSampled :

Tot Ion: 91 Resp: 72262

Ion Ratio Lower Upper

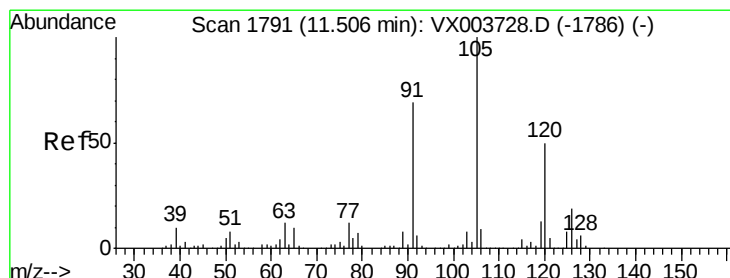
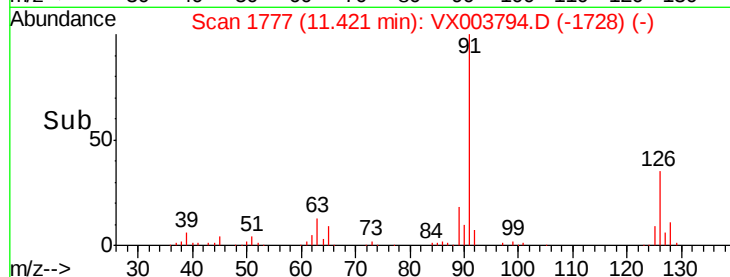
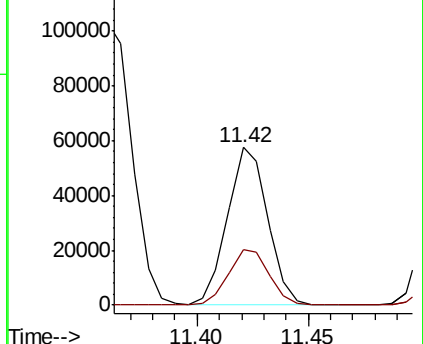
91 100

126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003728.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.84 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003794.D

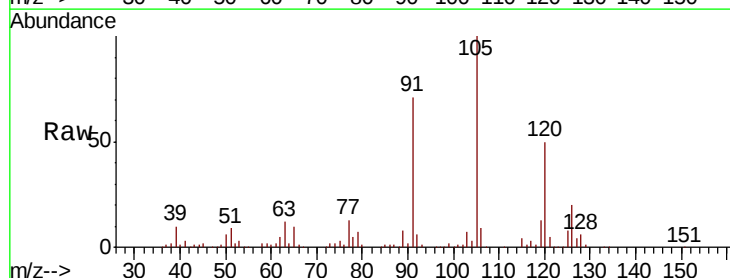
Acq: 01 Aug 2018 15:26

Tgt Ion:105 Resp: 90307

Ion Ratio Lower Upper

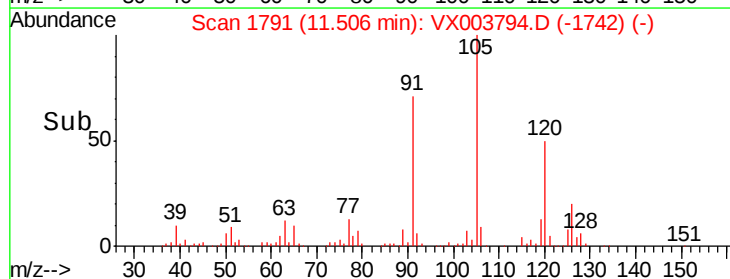
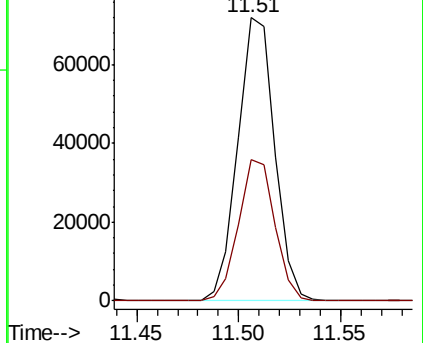
105 100

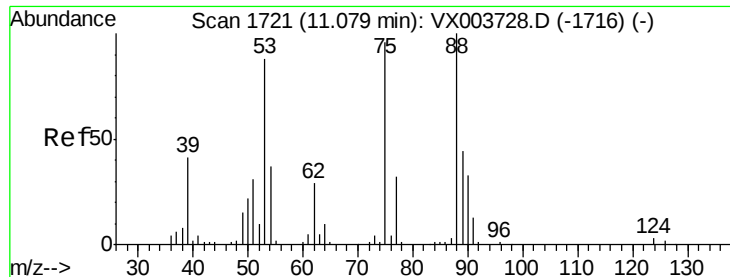
120 49.3 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): VX003728.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003728.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.97 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

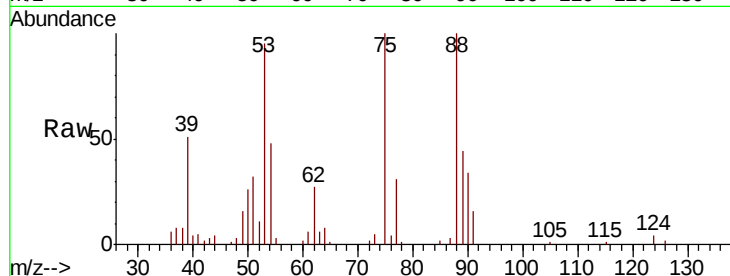
Tot Ion: 75 Resp: 7159

Ion Ratio Lower Upper

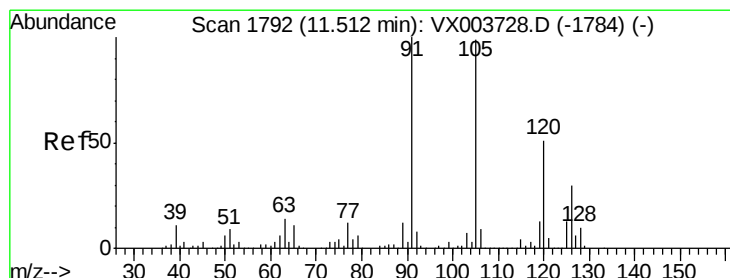
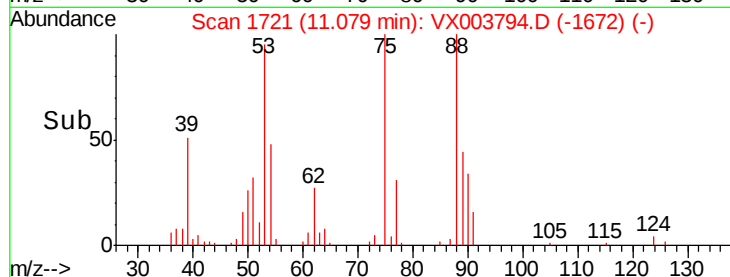
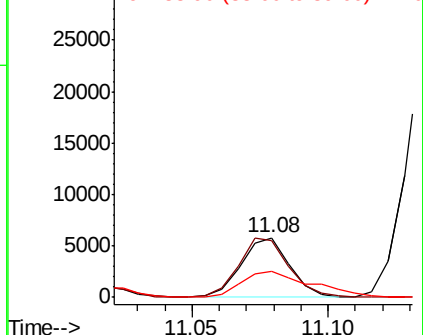
75 100

53 102.5 75.8 113.8

89 63.3 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: 20.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003794.D

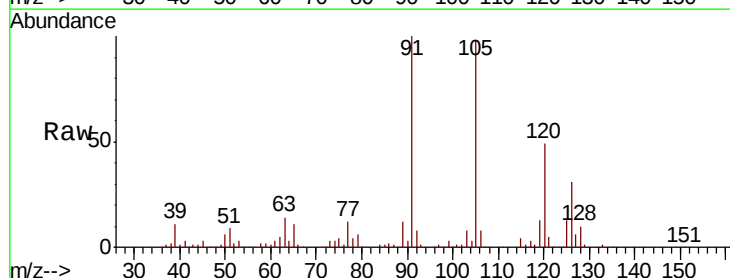
Acq: 01 Aug 2018 15:26

Tgt Ion: 91 Resp: 87977

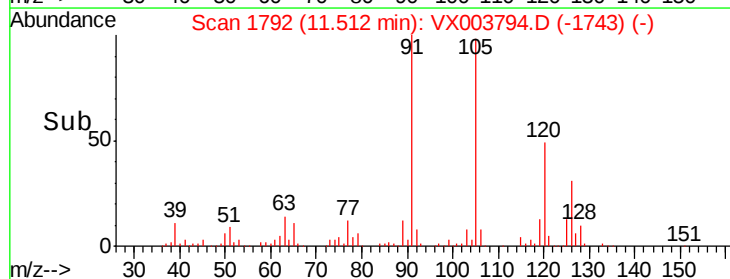
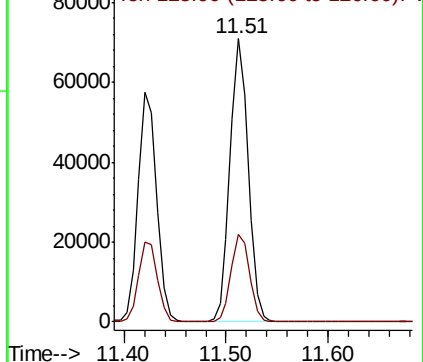
Ion Ratio Lower Upper

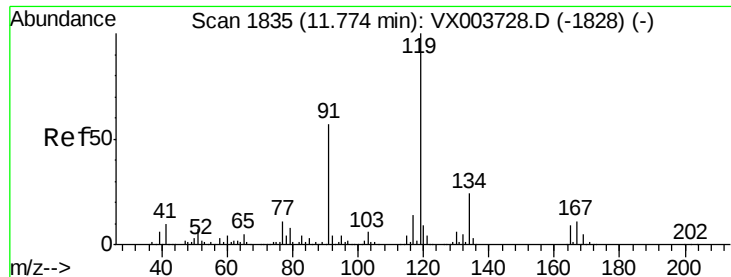
91 100

126 31.1 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: 20.63 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

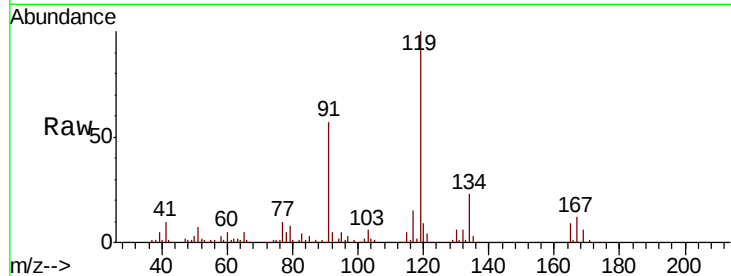
Tot Ion:119 Resp: 88424

Ion Ratio Lower Upper

119 100

91 55.3 27.2 81.6

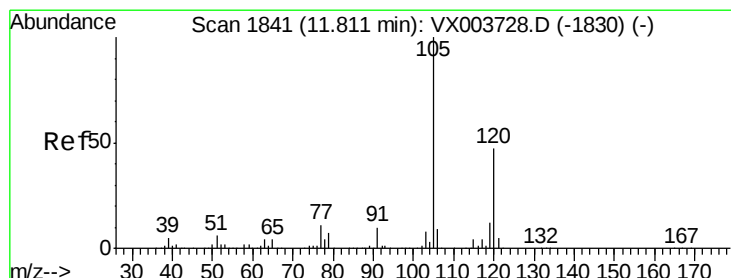
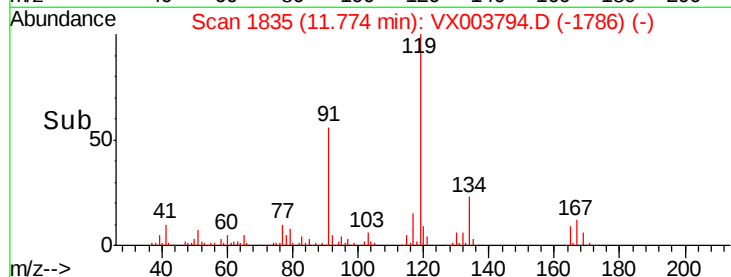
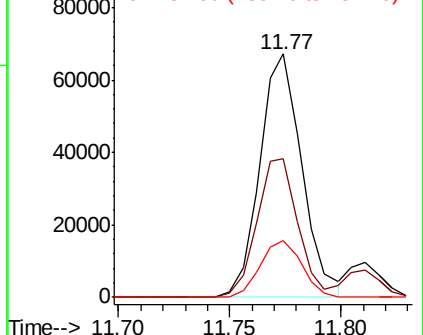
134 23.2 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.83 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003794.D

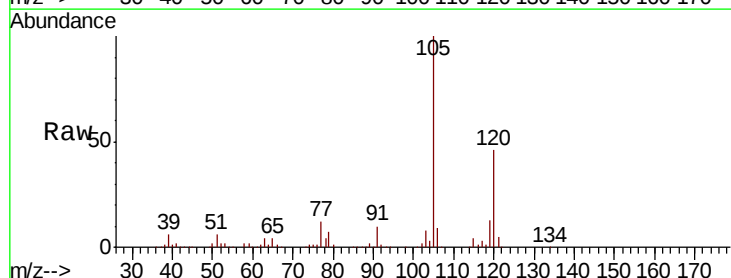
Acq: 01 Aug 2018 15:26

Tgt Ion:105 Resp: 92929

Ion Ratio Lower Upper

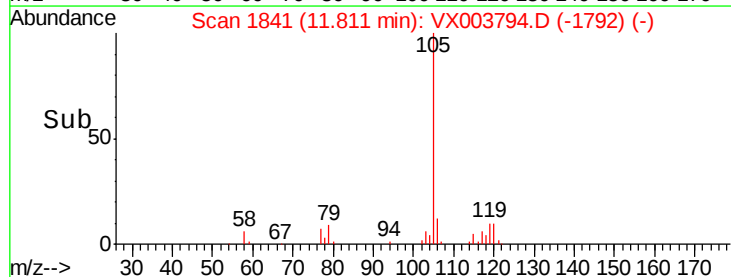
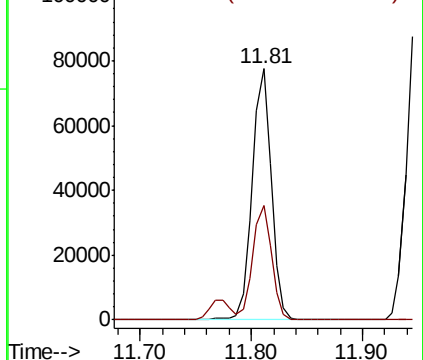
105 100

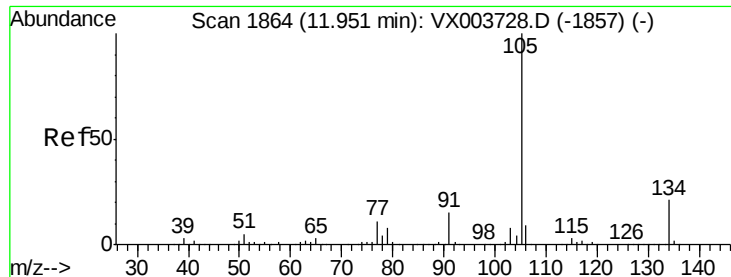
120 45.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.63 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

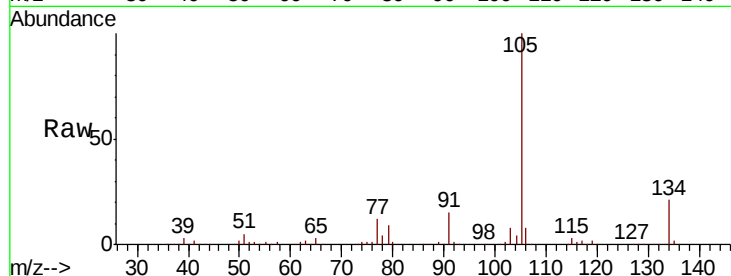
ClientSampleId :

Tot Ion:105 Resp: 113119

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

80000

60000

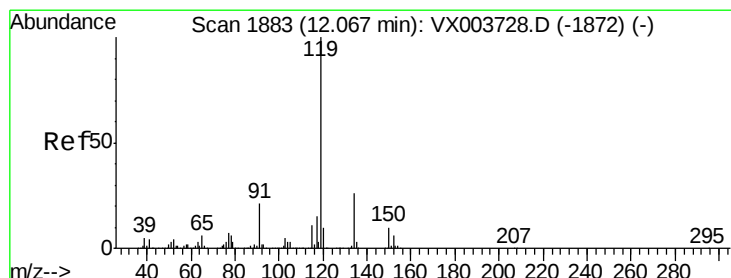
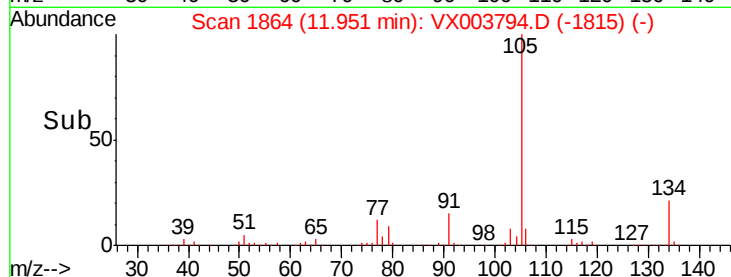
40000

20000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

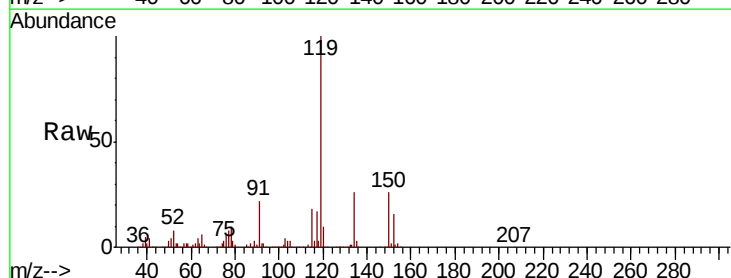
Tgt Ion:119 Resp: 102674

Ion Ratio Lower Upper

119 100

134 26.5 10.1 30.1

91 22.4 23.6 70.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

120000

100000

80000

60000

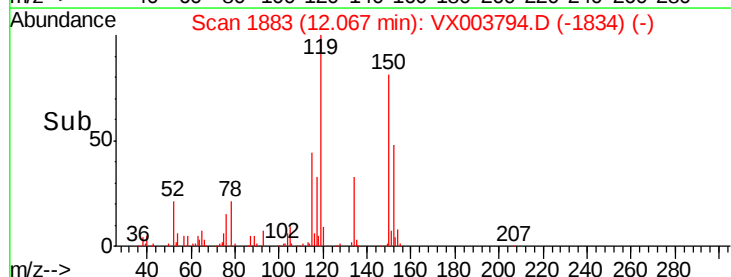
40000

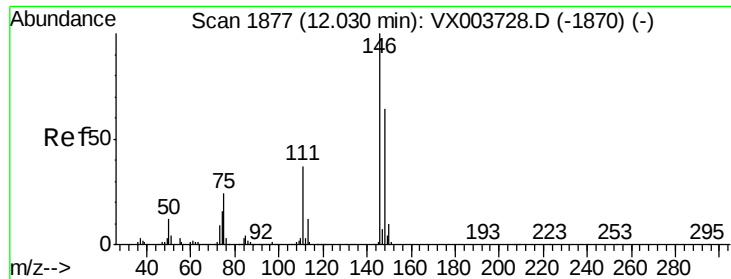
20000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 20.61 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

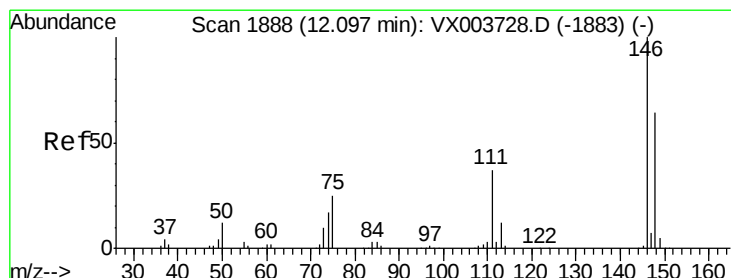
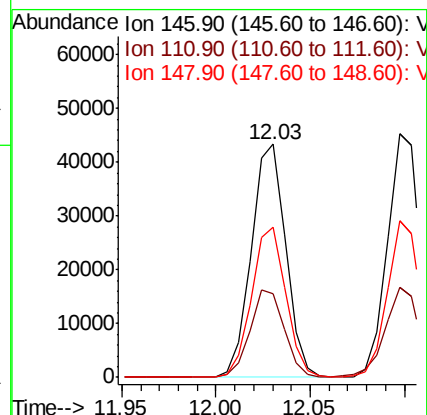
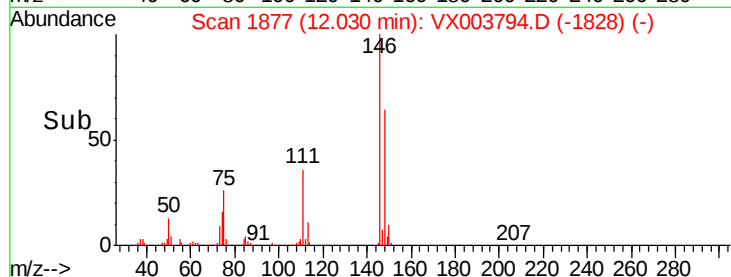
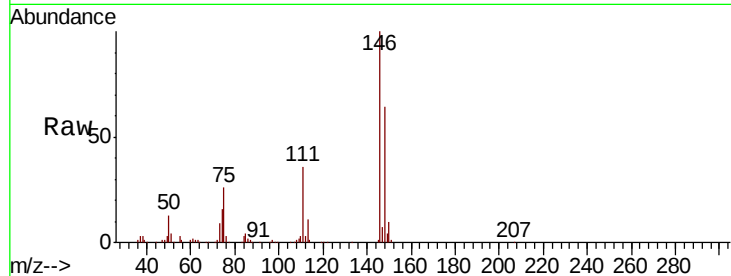
Tot Ion:146 Resp: 55181

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

148 63.7 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 20.43 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

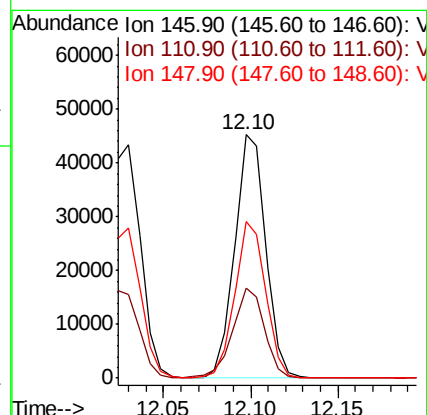
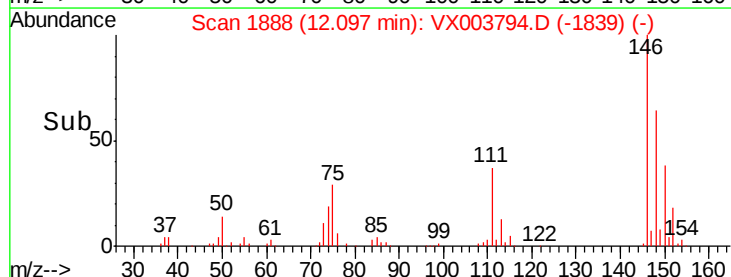
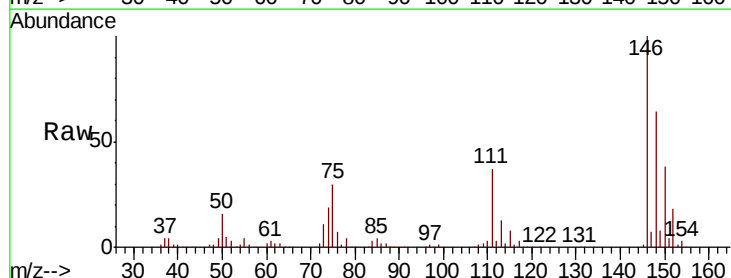
Tgt Ion:146 Resp: 55821

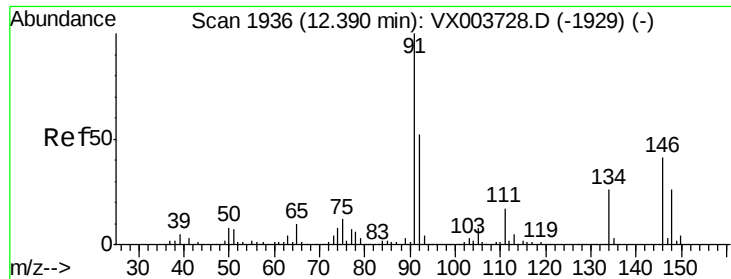
Ion Ratio Lower Upper

146 100

111 37.9 18.3 54.9

148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 20.35 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

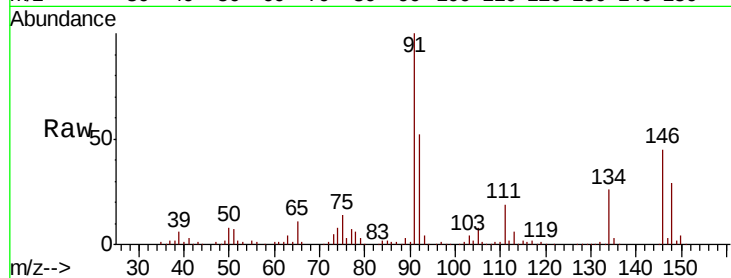
Tot Ion: 91 Resp: 96533

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.5

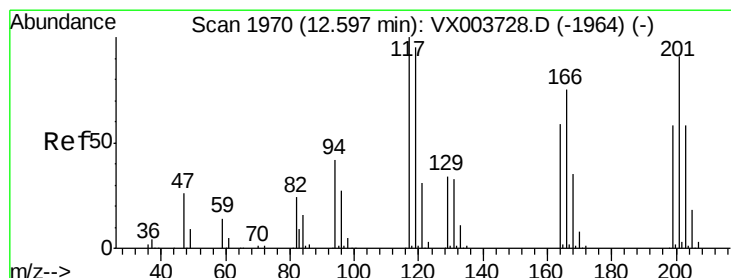
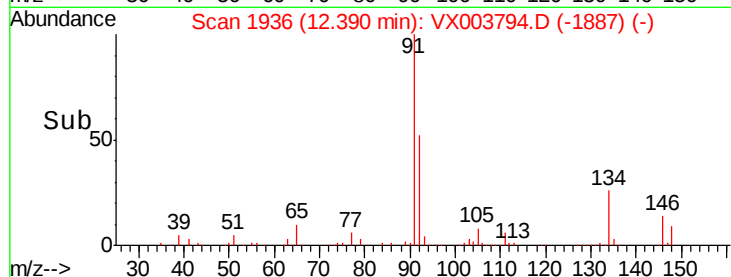
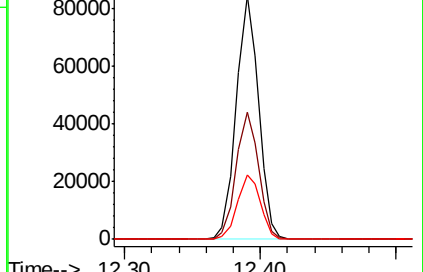
134 27.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003728.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003728.D (-1929) (-)



#90

Hexachloroethane

Concen: 19.87 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003794.D

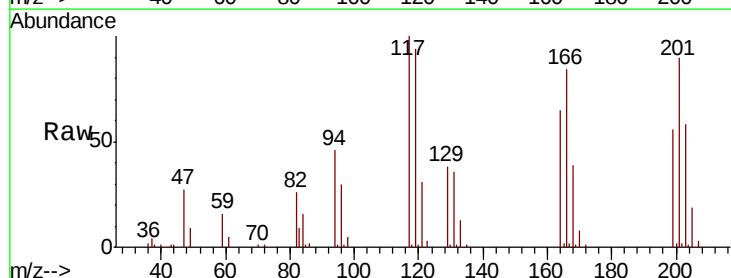
Acq: 01 Aug 2018 15:26

Tgt Ion: 117 Resp: 14704

Ion Ratio Lower Upper

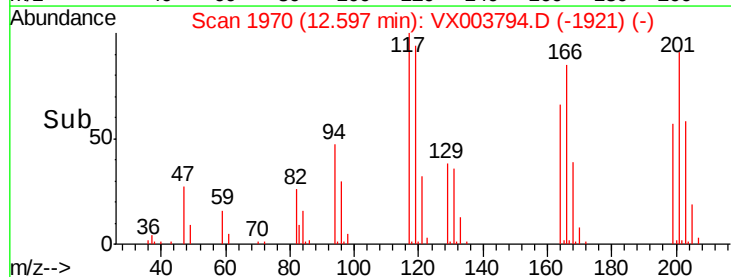
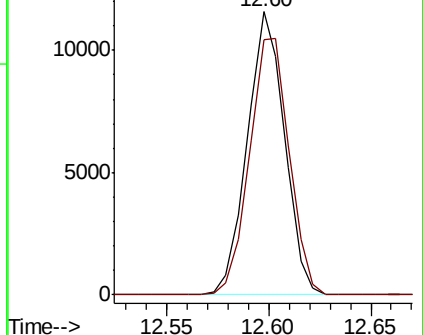
117 100

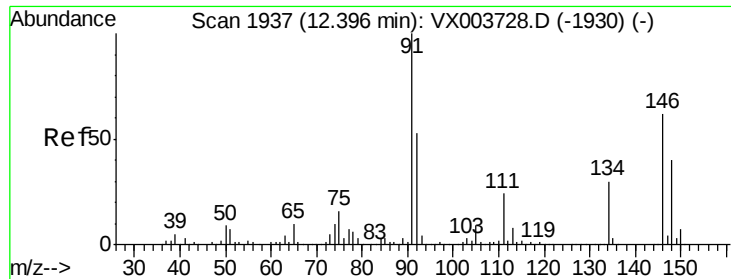
201 96.6 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VX003728.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003728.D (-1964) (-)

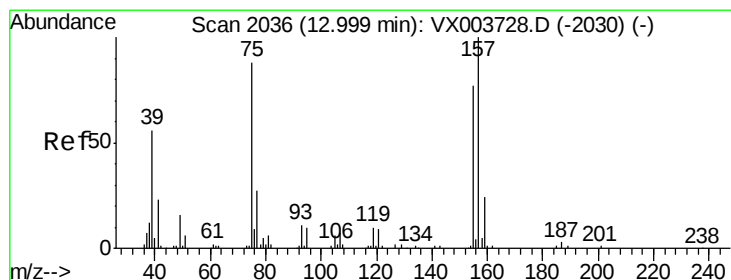
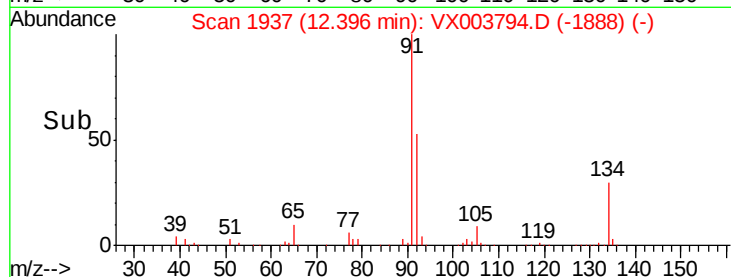
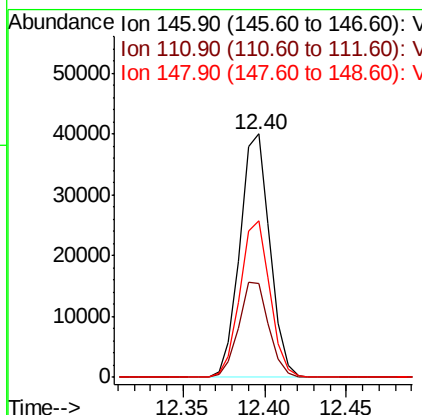
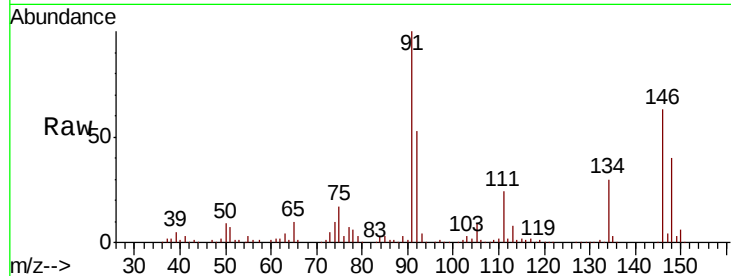




#91
1,2-Dichlorobenzene
Concen: 20.60 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

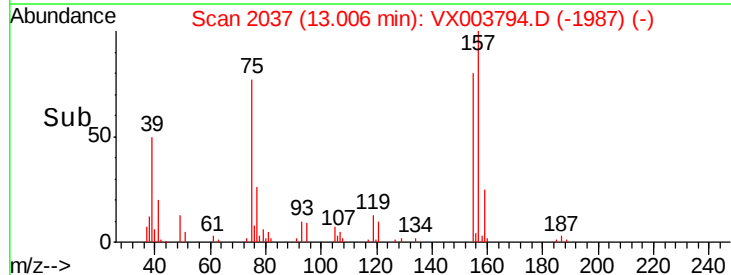
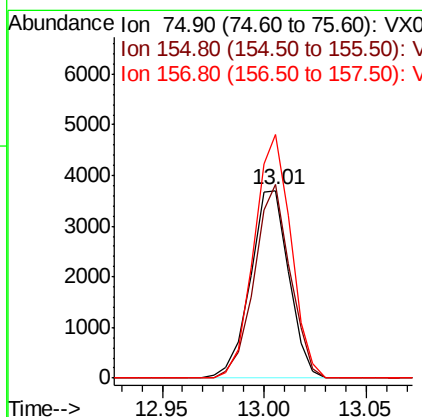
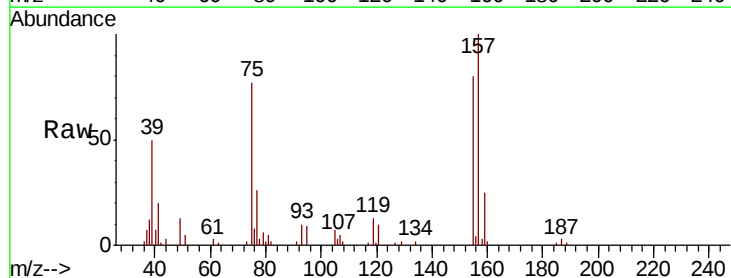
Instrument :
MSVOA_X
ClientSampleId :

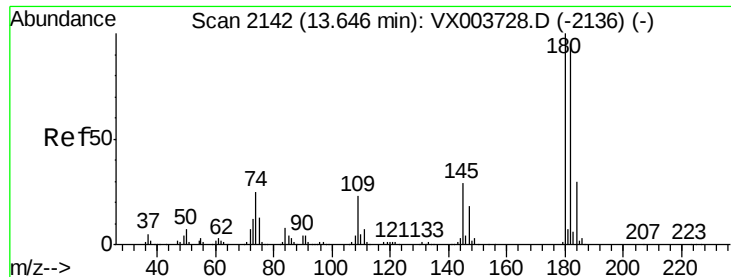
Tot Ion:146 Resp: 51373
Ion Ratio Lower Upper
146 100
111 39.0 19.4 58.4
148 63.9 32.0 96.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.62 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VX003794.D
Acq: 01 Aug 2018 15:26

Tgt Ion: 75 Resp: 4878
Ion Ratio Lower Upper
75 100
155 96.2 48.9 146.7
157 123.5 63.7 191.1

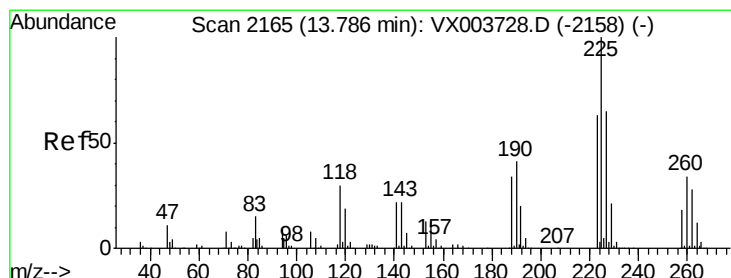
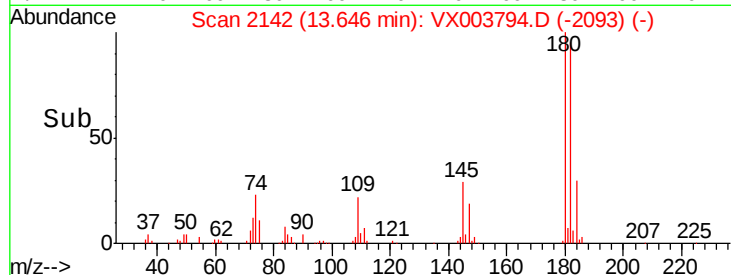
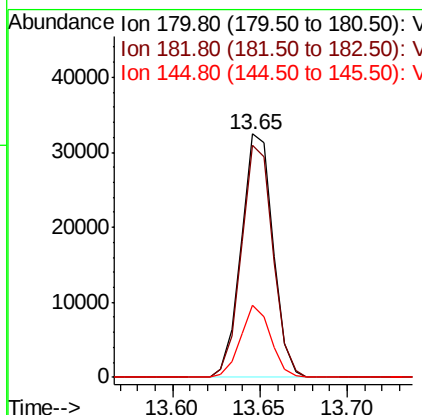
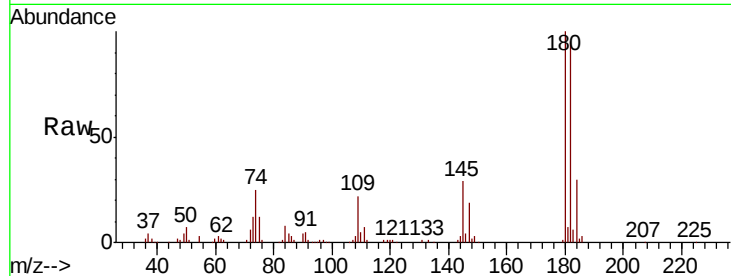




#93
 1,2,4-Trichlorobenzene
 Concen: 20.64 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

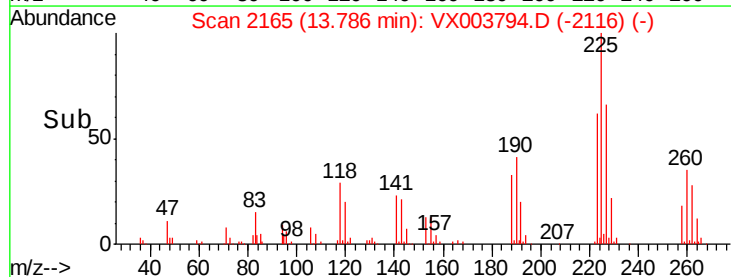
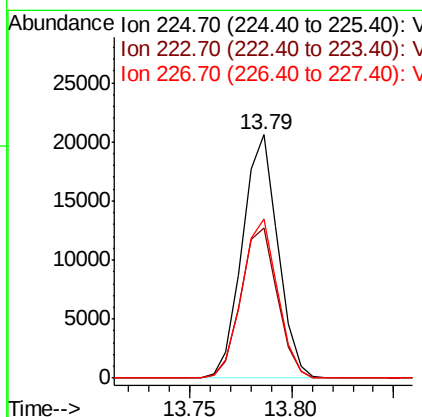
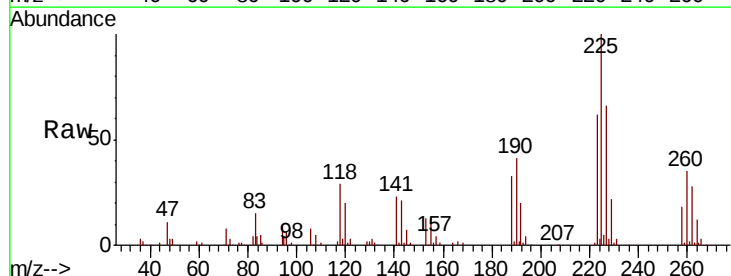
Instrument :
 MSVOA_X
 ClientSampleId :

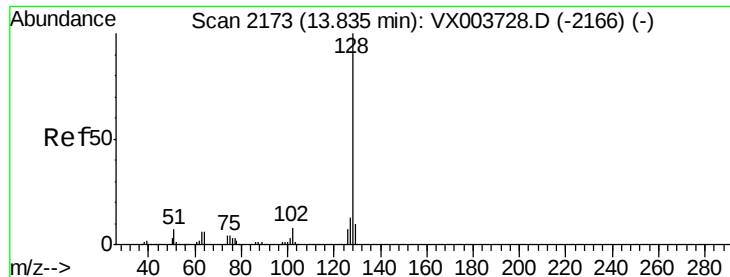
Tot Ion:180 Resp: 40823
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.9
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.71 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003794.D
 Acq: 01 Aug 2018 15:26

Tgt Ion:225 Resp: 24937
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 65.3 31.9 95.9





#95

Naphthalene

Concen: 20.32 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

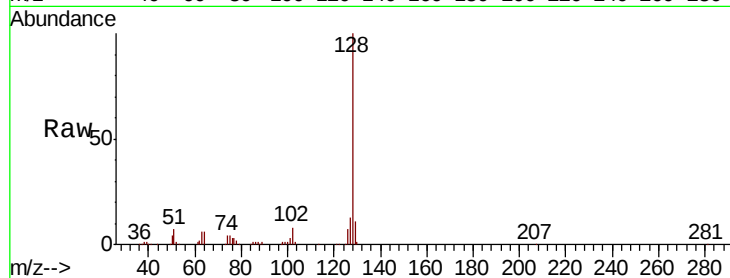
Tot Ion:128 Resp: 85891

Ion Ratio Lower Upper

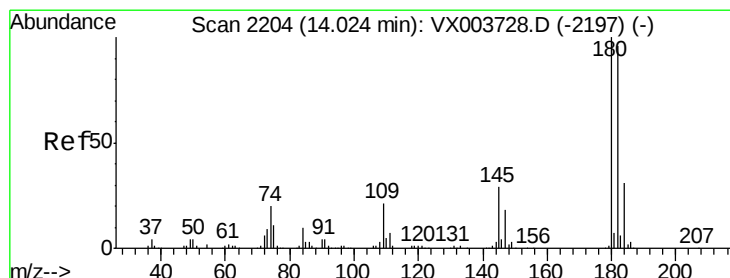
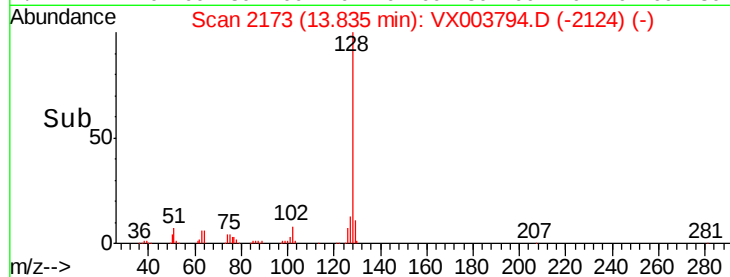
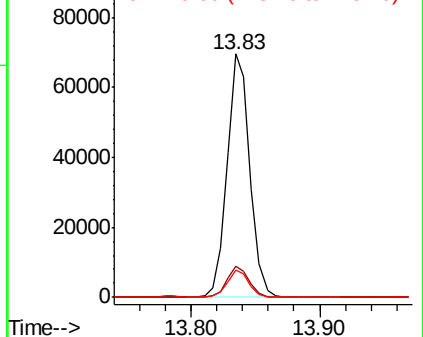
128 100

127 12.6 10.2 15.2

129 10.7 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: 20.50 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003794.D

Acq: 01 Aug 2018 15:26

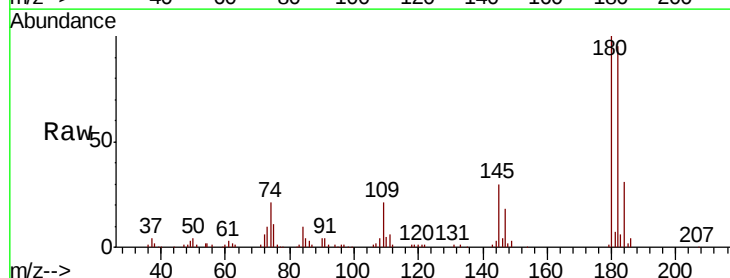
Tgt Ion:180 Resp: 36807

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.8

145 30.0 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

