

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004487.D
 Acq On : 12 Sep 2018 11:52
 Operator : JC/MD
 Sample : VX0912WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Quant Time: Sep 13 00:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157464	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	133212	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
50) Toluene-d8	8.72	98	516087	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.14	95	185717	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45902	21.31	ug/l	97
3) Chloromethane	1.32	50	62921	21.22	ug/l	99
4) Vinyl Chloride	1.40	62	64698	21.26	ug/l	99
5) Bromomethane	1.64	94	34443	26.48	ug/l	98
6) Chloroethane	1.72	64	40206	20.43	ug/l	99
7) Trichlorofluoromethane	1.92	101	83727	20.76	ug/l	96
8) Diethyl Ether	2.19	74	36543	20.21	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52349	20.46	ug/l	99
10) Methyl Iodide	2.51	142	47190	18.37	ug/l	99
11) Tert butyl alcohol	3.07	59	78849	111.49	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50523	21.04	ug/l	98
13) Acrolein	2.29	56	33950	121.61	ug/l	97
14) Allyl chloride	2.73	41	104250	21.11	ug/l	95
15) Acrylonitrile	3.15	53	182330	107.06	ug/l	99
16) Acetone	2.45	43	148985	102.99	ug/l	99
17) Carbon Disulfide	2.57	76	143677	20.70	ug/l	99
18) Methyl Acetate	2.78	43	86512	21.32	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	176756	20.97	ug/l	96
20) Methylene Chloride	2.85	84	58940	19.86	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	55381	20.87	ug/l	92
22) Diisopropyl ether	3.87	45	175076	19.69	ug/l	97
23) Vinyl Acetate	3.82	43	749221	104.11	ug/l	98
24) 1,1-Dichloroethane	3.69	63	106721	21.26	ug/l	98
25) 2-Butanone	4.71	43	220161	95.63	ug/l	99
26) 2,2-Dichloropropane	4.58	77	72648	21.07	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	58202	19.65	ug/l	97
28) Bromochloromethane	5.01	49	49709	21.64	ug/l	94
29) Tetrahydrofuran	5.17	42	145375	104.71	ug/l	96
30) Chloroform	5.21	83	96326	19.65	ug/l	98
31) Cyclohexane	5.57	56	85848	20.02	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	80690	20.44	ug/l	98
36) 1,1-Dichloropropene	5.80	75	71778	17.66	ug/l	100
37) Ethyl Acetate	4.86	43	81795	17.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	70301	17.71	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0912WBS01

Quant Time: Sep 13 00:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82938	19.55	ug/l	95
40) Benzene	6.14	78	223106	18.50	ug/l	100
41) Methacrylonitrile	5.06	41	46413	18.22	ug/l	97
42) 1,2-Dichloroethane	6.20	62	74340	18.58	ug/l	99
43) Isopropyl Acetate	6.47	43	120743	19.66	ug/l	98
44) Trichloroethene	7.21	130	60804	19.40	ug/l	94
45) 1,2-Dichloropropane	7.52	63	57840	19.93	ug/l	100
46) Dibromomethane	7.66	93	37137	20.25	ug/l	98
47) Bromodichloromethane	7.90	83	68766	19.83	ug/l	97
48) Methyl methacrylate	7.78	41	62231	20.48	ug/l	97
49) 1,4-Dioxane	7.76	88	30681	426.55	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	423023	97.62	ug/l	96
52) Toluene	8.79	92	138692	19.52	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	76133	18.80	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	84476	20.46	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	57545	18.81	ug/l	98
56) Ethyl methacrylate	9.18	69	79307	18.32	ug/l	97
57) 1,3-Dichloropropane	9.37	76	94610	19.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	224487	106.10	ug/l	96
59) 2-Hexanone	9.50	43	325333	97.87	ug/l	96
60) Dibromochloromethane	9.59	129	55413	19.24	ug/l	100
61) 1,2-Dibromoethane	9.68	107	58750	20.10	ug/l	99
64) Tetrachloroethene	9.34	164	70920	17.68	ug/l	98
65) Chlorobenzene	10.14	112	155903	19.54	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	53385	19.40	ug/l	99
67) Ethyl Benzene	10.26	91	254150	19.59	ug/l	99
68) m/p-Xylenes	10.36	106	201981	40.41	ug/l	97
69) o-Xylene	10.70	106	95014	19.77	ug/l	97
70) Styrene	10.71	104	161620	20.30	ug/l	99
71) Bromoform	10.86	173	42752	18.92	ug/l #	99
73) Isopropylbenzene	11.02	105	261023	20.62	ug/l	100
74) N-amyl acetate	10.90	43	106301	19.95	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	81354	19.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	99199	25.65	ug/l	88
77) Bromobenzene	11.26	156	69493	19.86	ug/l	97
78) n-propylbenzene	11.36	91	300077	20.62	ug/l	100
79) 2-Chlorotoluene	11.42	91	178590	20.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	218836	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24476	20.17	ug/l	98
82) 4-Chlorotoluene	11.51	91	208524	20.24	ug/l	100
83) tert-Butylbenzene	11.77	119	204427	20.18	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	226040	20.80	ug/l	99
85) sec-Butylbenzene	11.95	105	262036	20.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	234738	20.59	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	128574	19.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129608	19.21	ug/l	98
89) n-Butylbenzene	12.39	91	202240	19.47	ug/l	97
90) Hexachloroethane	12.60	117	35235	19.31	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	130388	19.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18228	20.91	ug/l	96

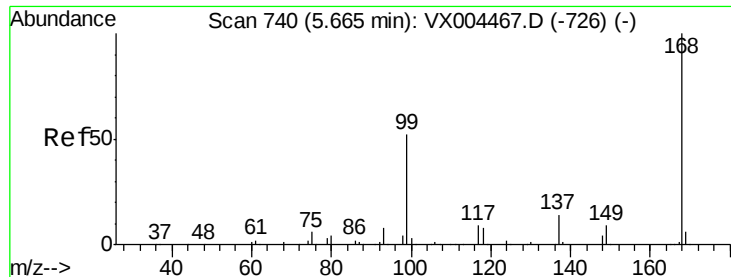
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
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Sample : VX0912WBS01
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MSVOA_X
ClientSampleId :
VX0912WBS01

Quant Time: Sep 13 00:58:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	91395	19.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	47818	19.57	ug/l	99
95) Naphthalene	13.83	128	266485	20.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94322	19.62	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

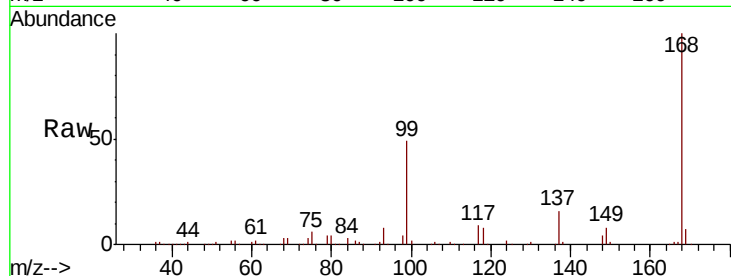
VX0912WBS01

Tot Ion:168 Resp: 229857

Ion Ratio Lower Upper

168 100

99 49.0 39.9 59.9

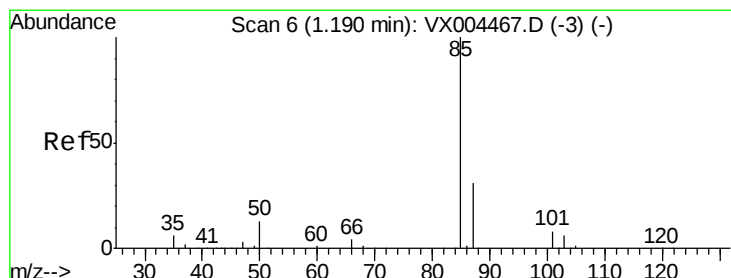
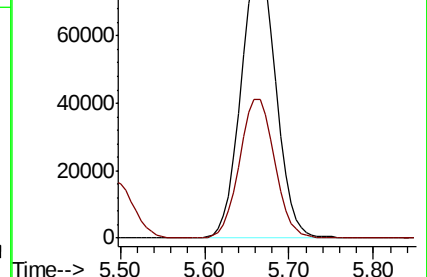
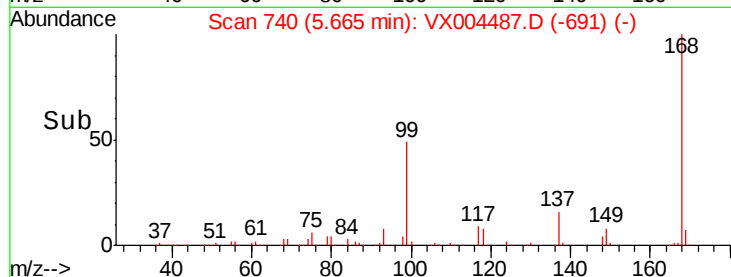


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 21.31 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004487.D

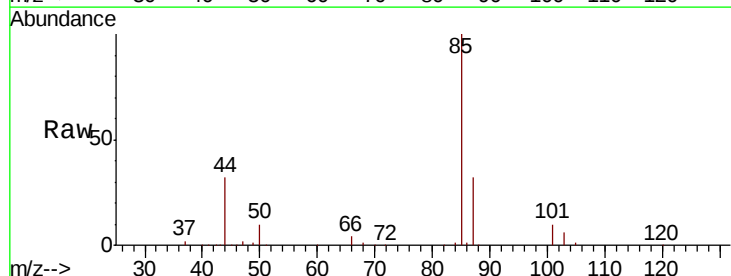
Acq: 12 Sep 2018 11:52

Tgt Ion: 85 Resp: 45902

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9

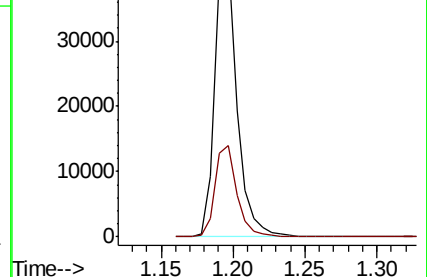
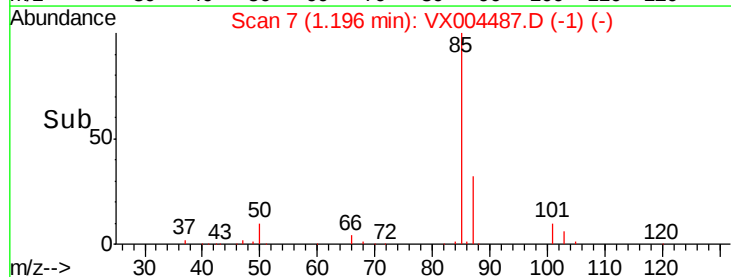


Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 21.22 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

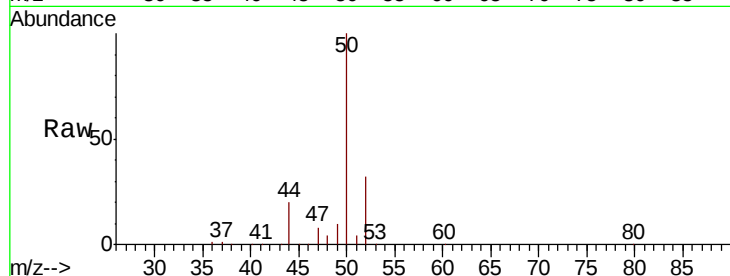
VX0912WBS01

Tot Ion: 50 Resp: 62921

Ion Ratio Lower Upper

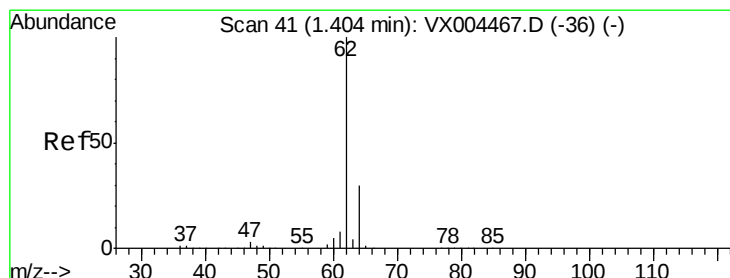
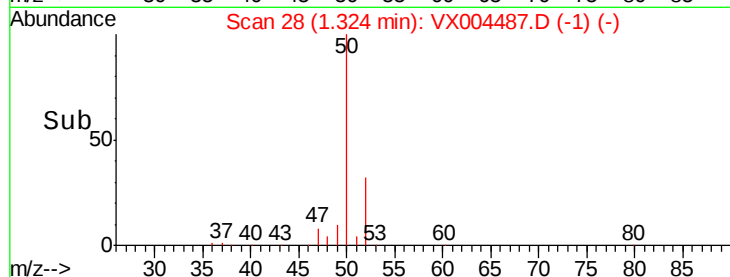
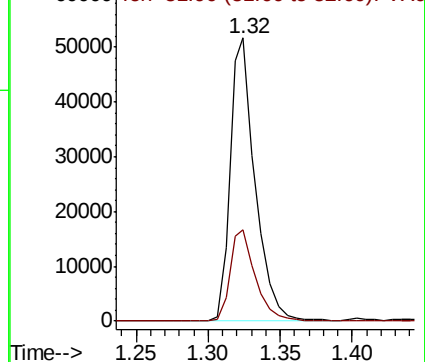
50 100

52 32.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.26 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004487.D

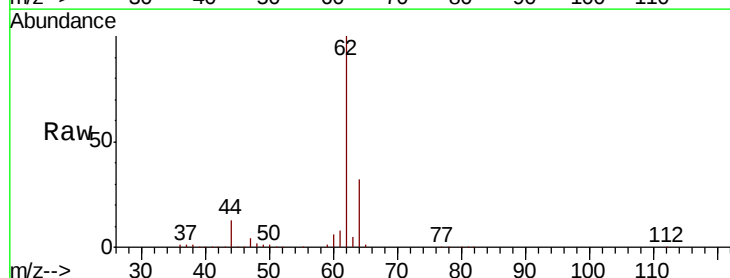
Acq: 12 Sep 2018 11:52

Tgt Ion: 62 Resp: 64698

Ion Ratio Lower Upper

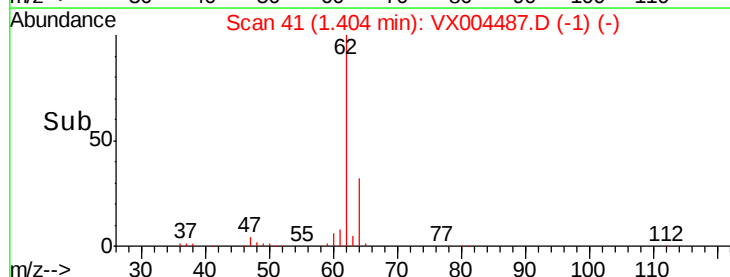
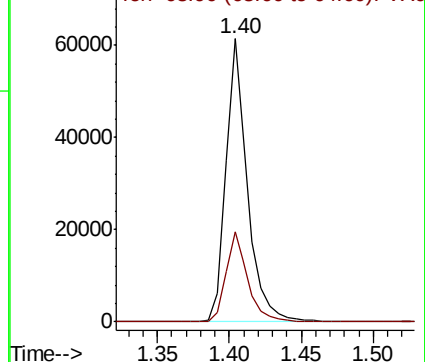
62 100

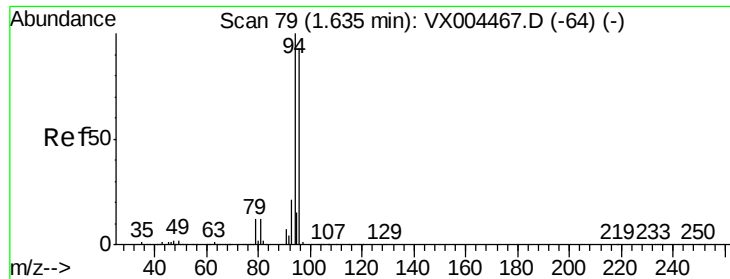
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.48 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

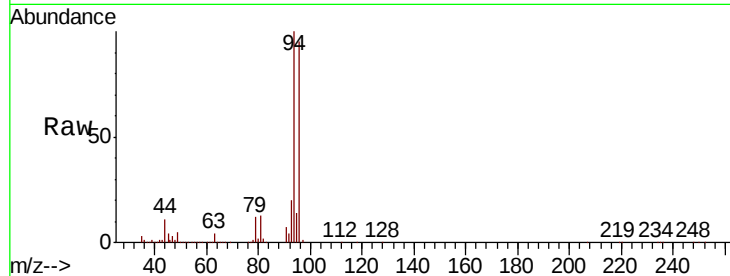
VX0912WBS01

Tot Ion: 94 Resp: 34443

Ion Ratio Lower Upper

94 100

96 94.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

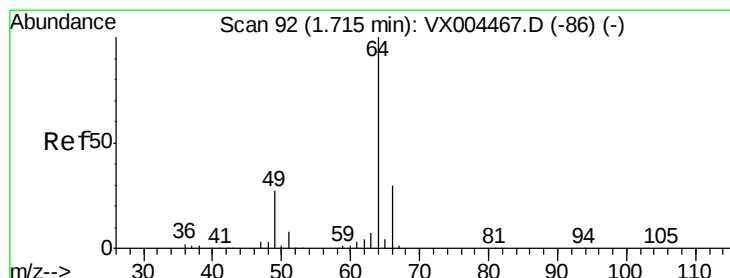
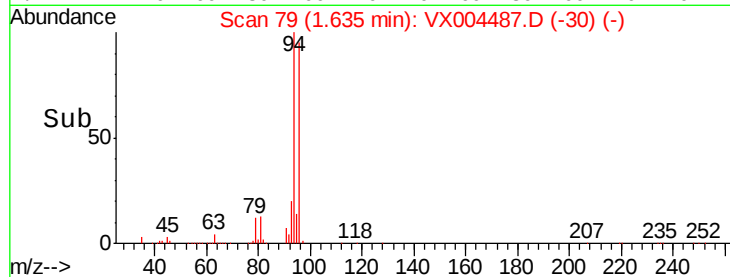
20000

10000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 20.43 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004487.D

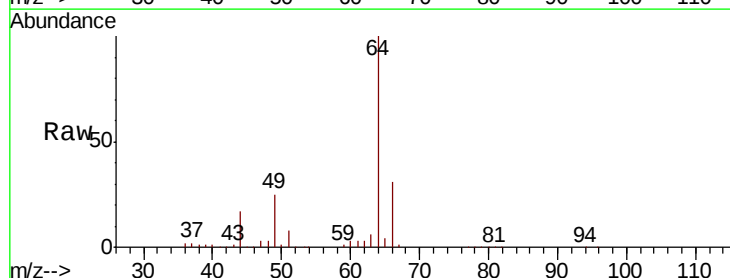
Acq: 12 Sep 2018 11:52

Tgt Ion: 64 Resp: 40206

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

25000

20000

15000

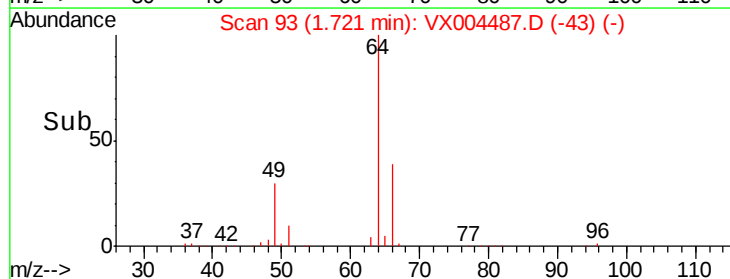
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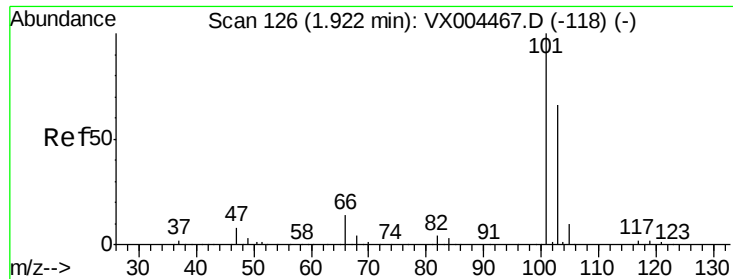
5000

0

Time-->

1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 20.76 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

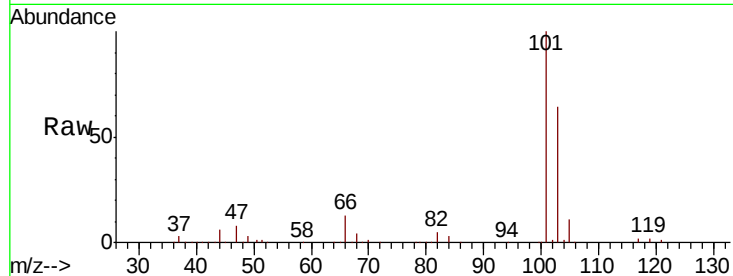
VX0912WBS01

Tot Ion:101 Resp: 83727

Ion Ratio Lower Upper

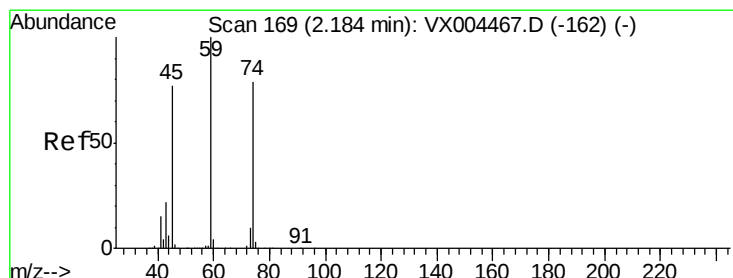
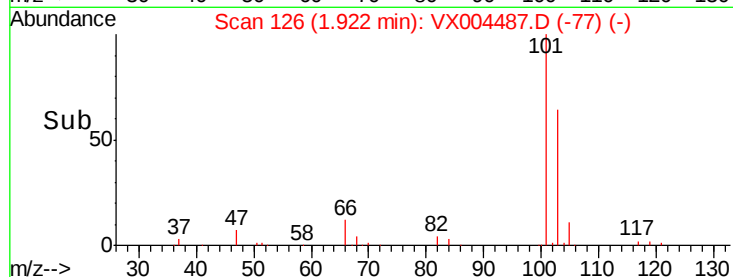
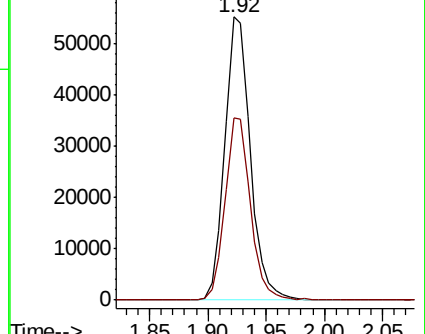
101 100

103 64.3 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.21 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004487.D

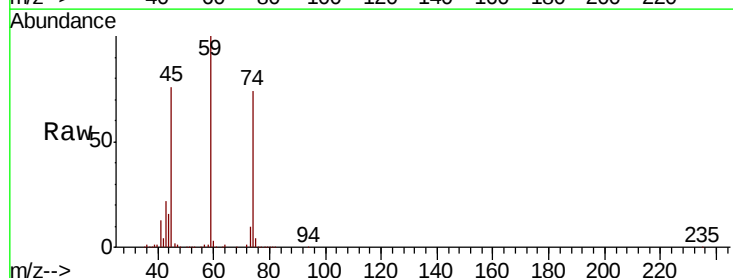
Acq: 12 Sep 2018 11:52

Tgt Ion: 74 Resp: 36543

Ion Ratio Lower Upper

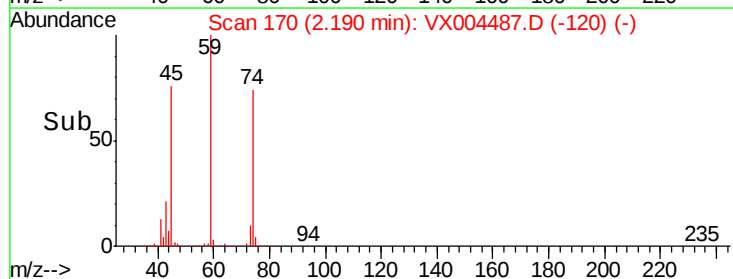
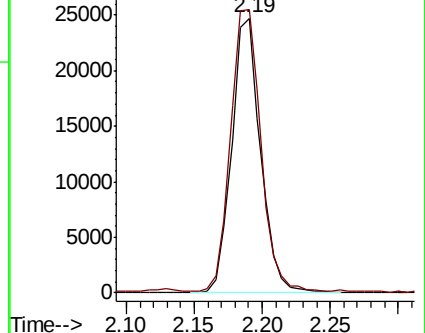
74 100

45 107.4 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.46 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

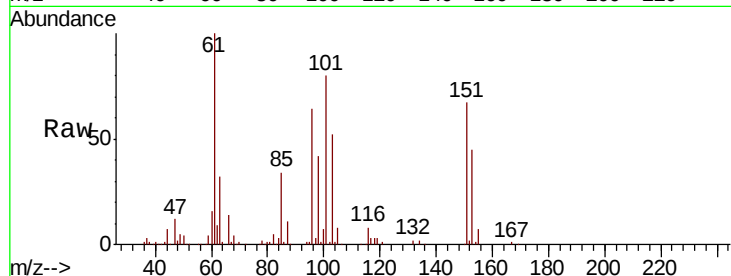
Tot Ion:101 Resp: 52349

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

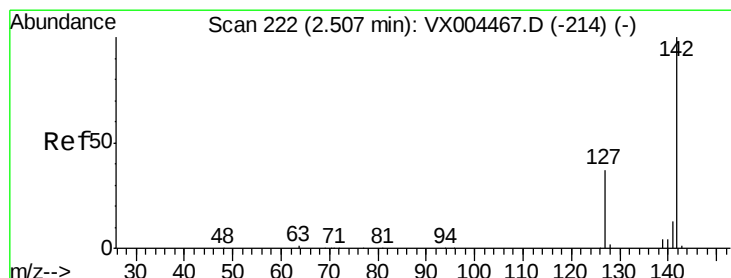
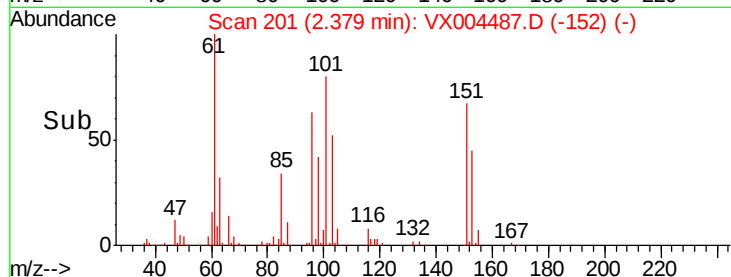
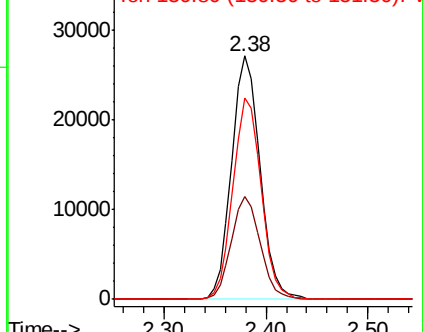
151 82.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.37 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

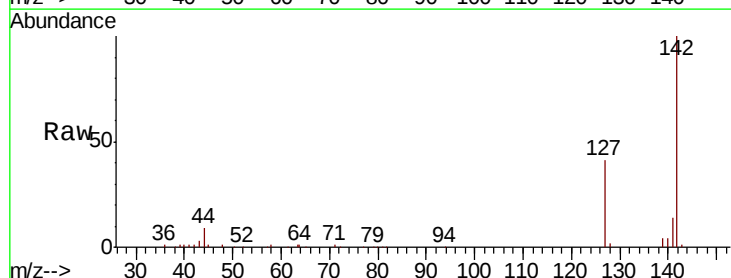
Tgt Ion:142 Resp: 47190

Ion Ratio Lower Upper

142 100

127 41.2 33.8 50.6

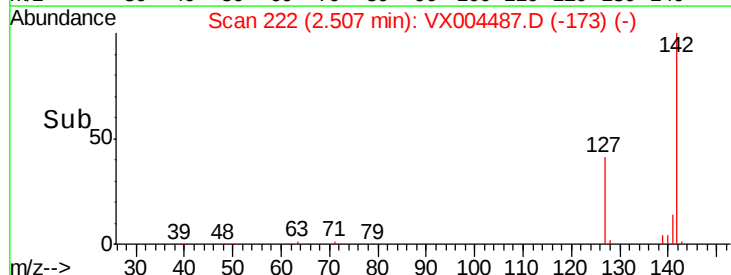
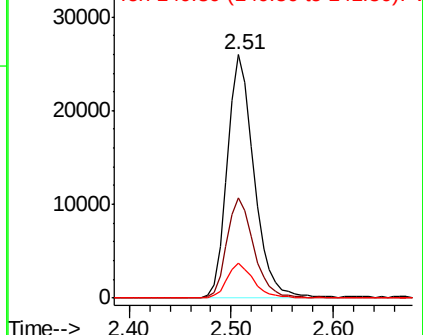
141 14.2 11.4 17.0

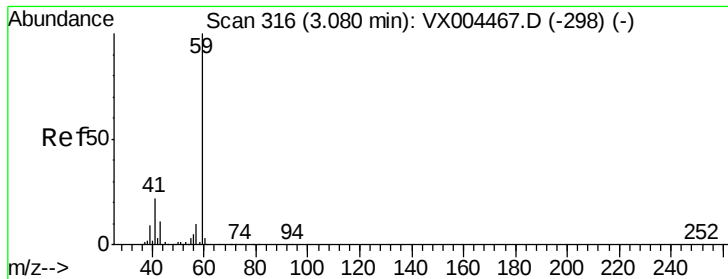


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

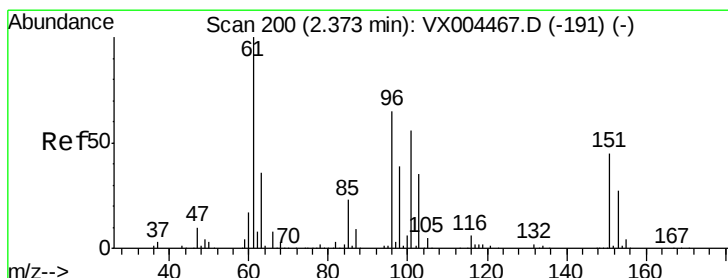
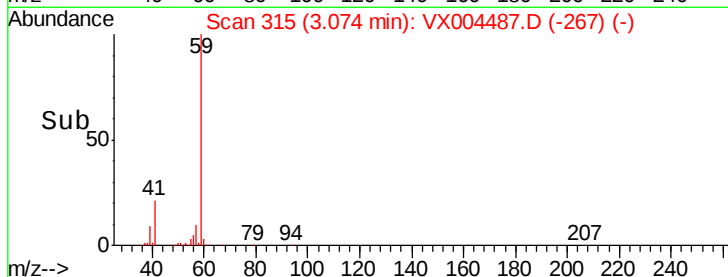
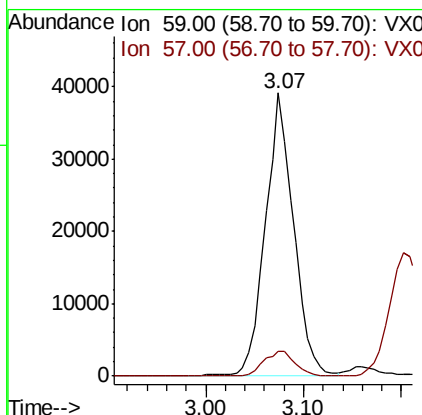
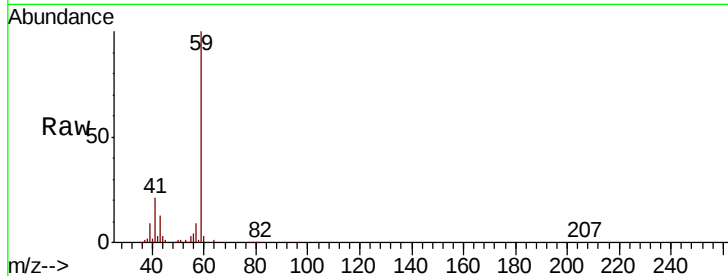




#11
Tert butyl alcohol
Concen: 111.49 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

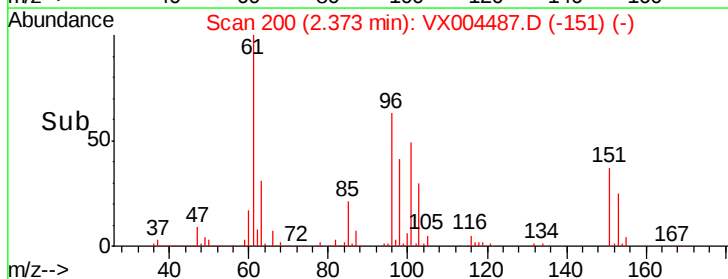
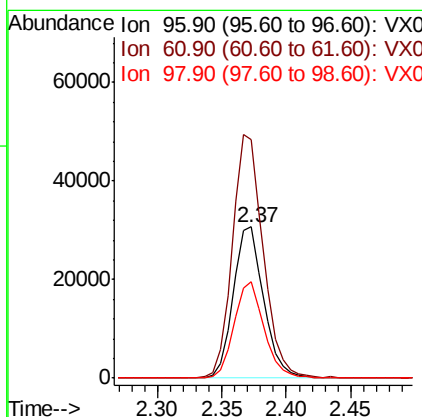
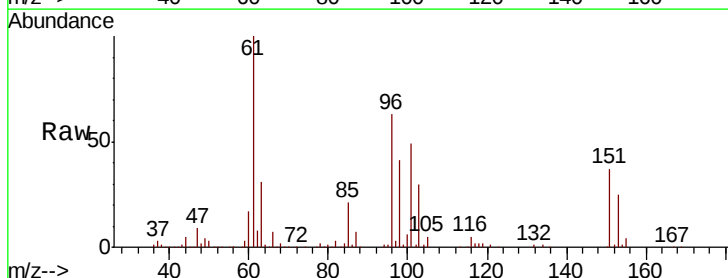
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

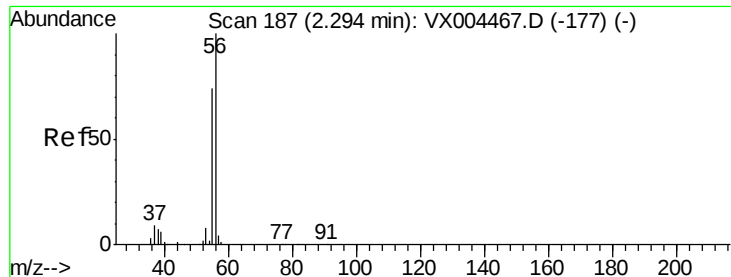
Tot Ion: 59 Resp: 78849
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 21.04 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 96 Resp: 50523
Ion Ratio Lower Upper
96 100
61 157.7 128.8 193.2
98 64.1 52.2 78.2





#13

Acrolein

Concen: 121.61 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

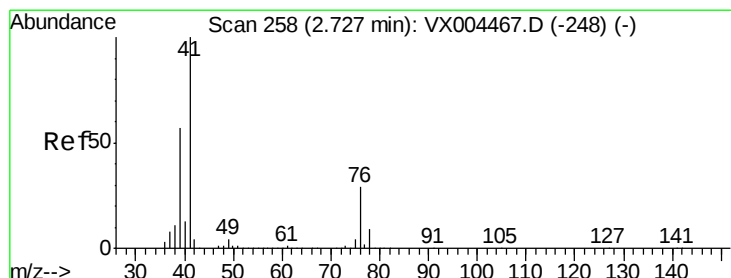
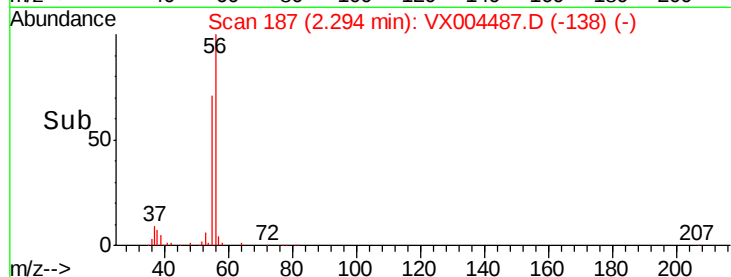
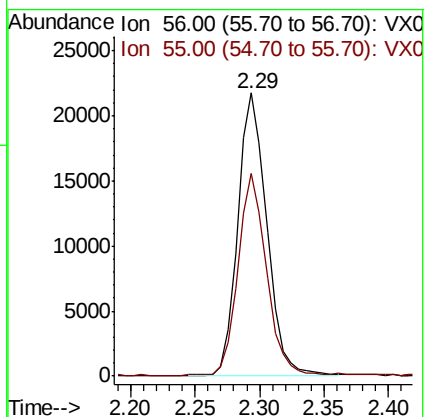
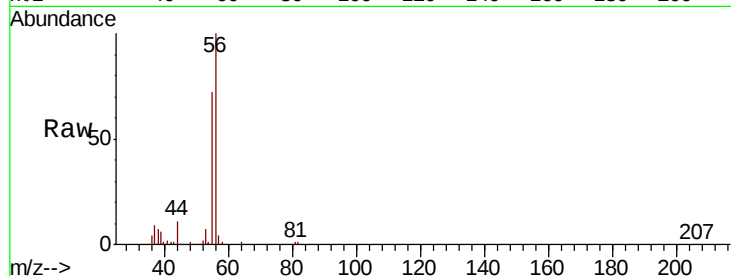
VX0912WBS01

Tot Ion: 56 Resp: 33950

Ion Ratio Lower Upper

56 100

55 70.8 54.7 82.1



#14

Allyl chloride

Concen: 21.11 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

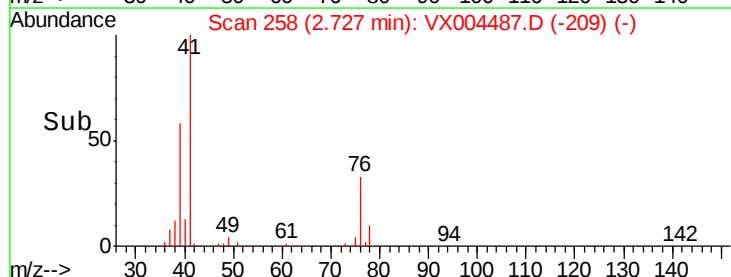
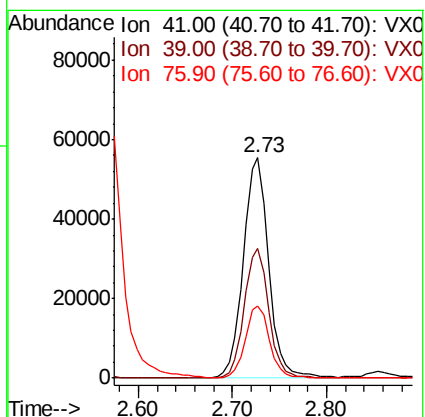
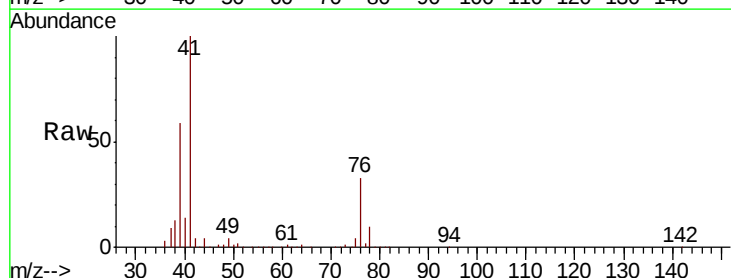
Tgt Ion: 41 Resp: 104250

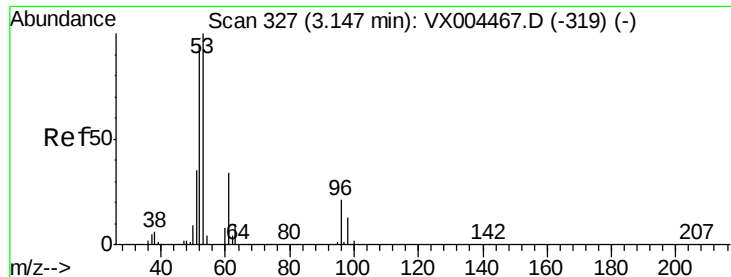
Ion Ratio Lower Upper

41 100

39 56.8 48.9 73.3

76 31.3 26.7 40.1





#15

Acrylonitrile

Concen: 107.06 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

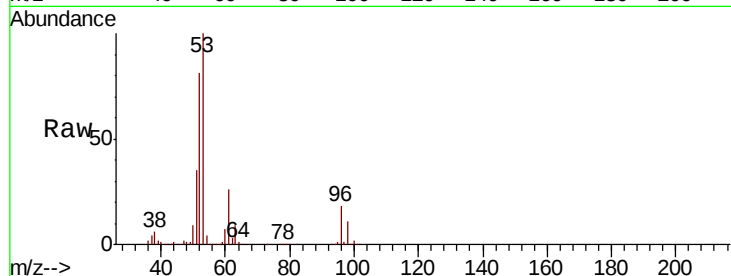
Tot Ion: 53 Resp: 182330

Ion Ratio Lower Upper

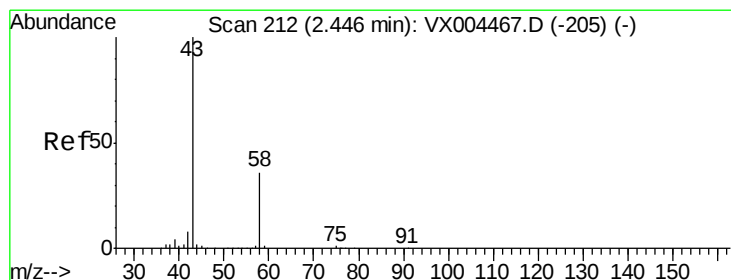
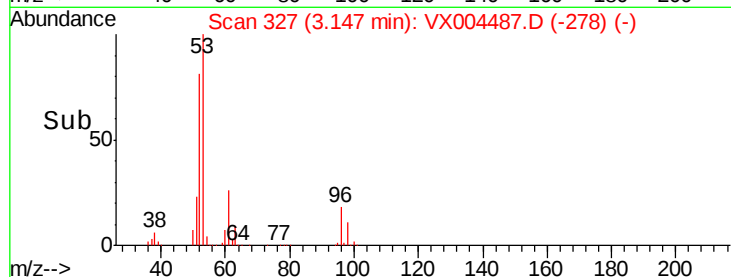
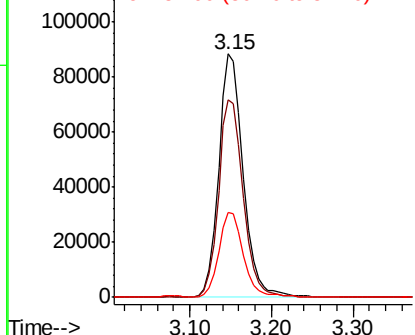
53 100

52 82.2 65.2 97.8

51 35.3 28.2 42.2



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



#16

Acetone

Concen: 102.99 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004487.D

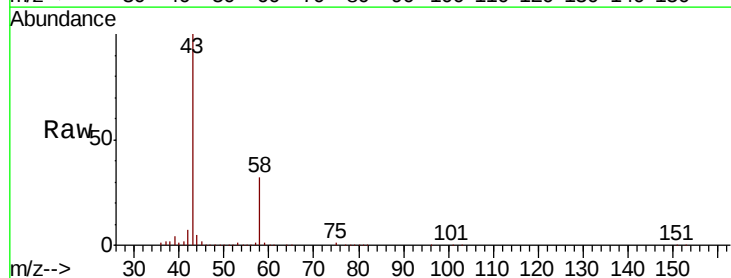
Acq: 12 Sep 2018 11:52

Tgt Ion: 43 Resp: 148985

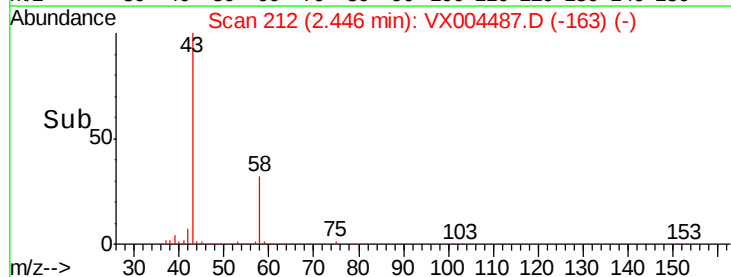
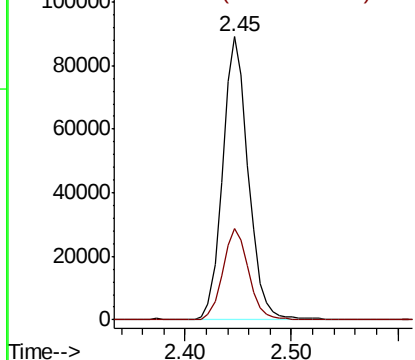
Ion Ratio Lower Upper

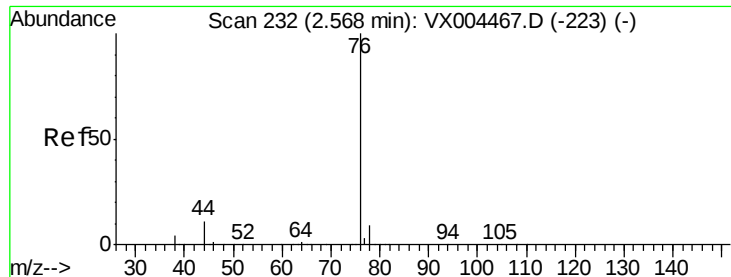
43 100

58 32.5 26.2 39.4



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

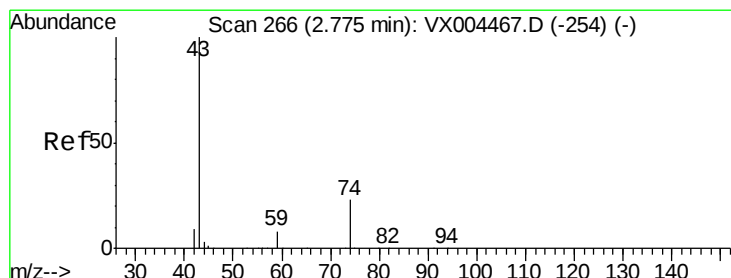
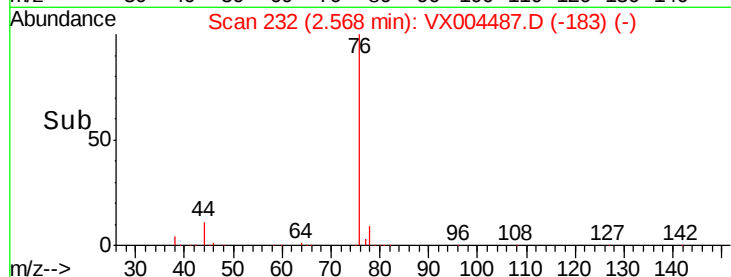
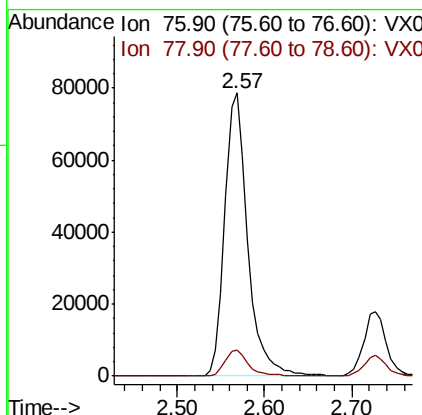
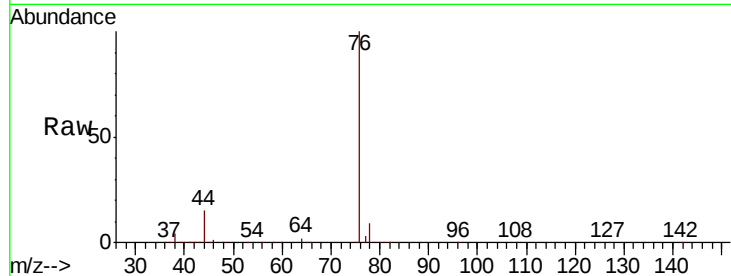




#17
Carbon Disulfide
Concen: 20.70 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

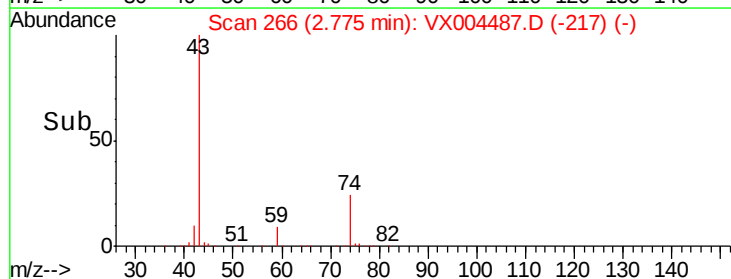
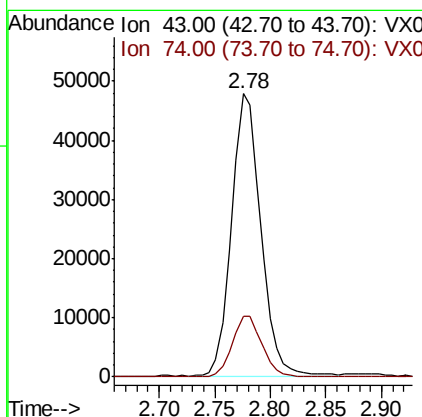
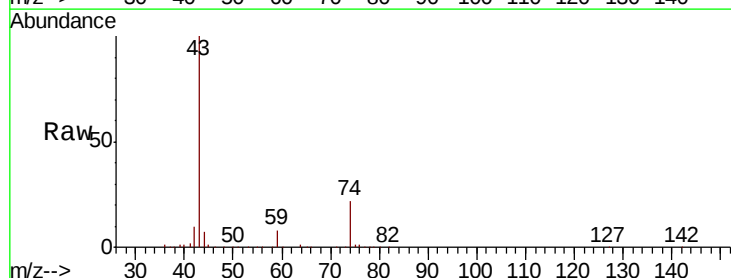
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

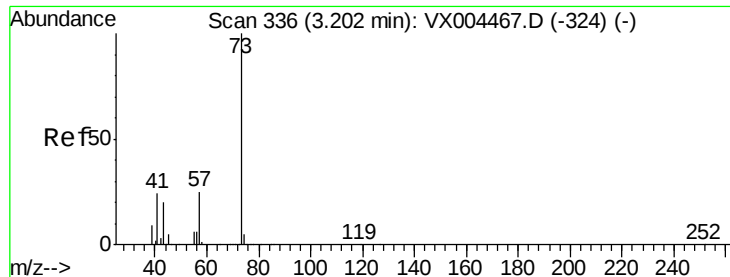
Tot Ion: 76 Resp: 143677
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 21.32 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 43 Resp: 86512
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2



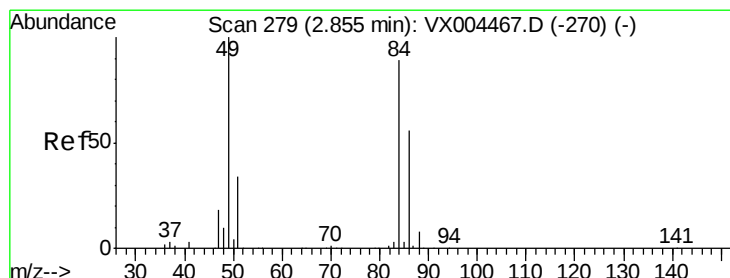
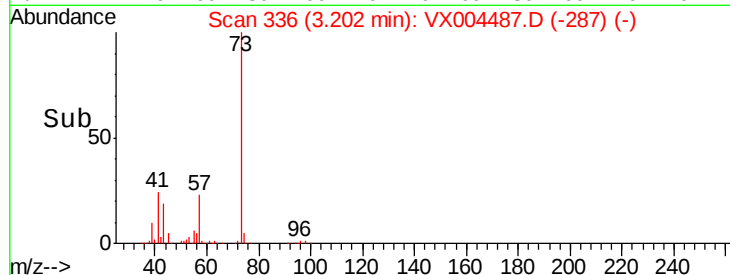
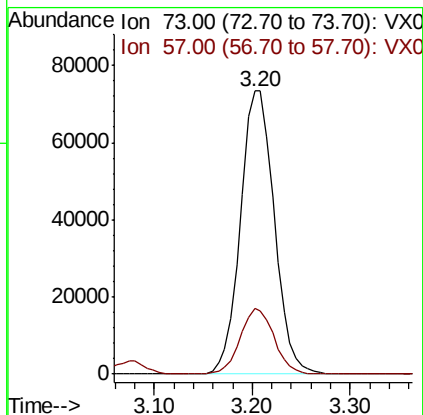
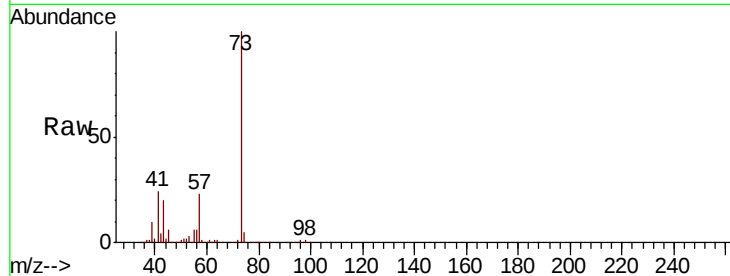


#19

Methyl tert-butyl Ether
 Concen: 20.97 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

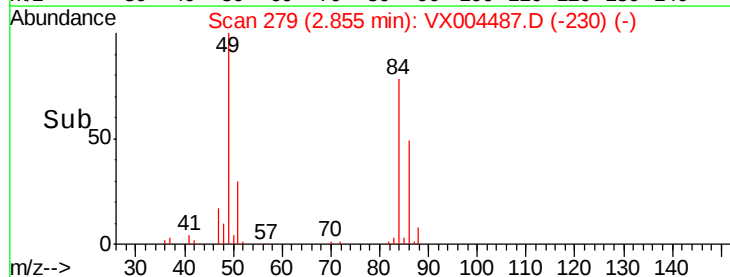
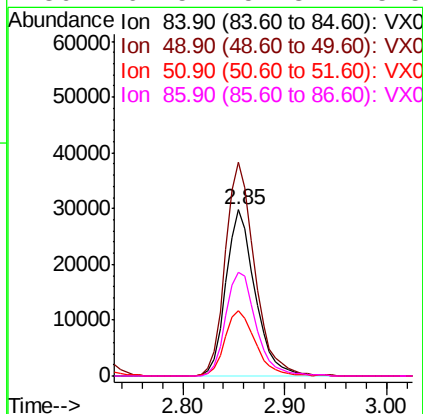
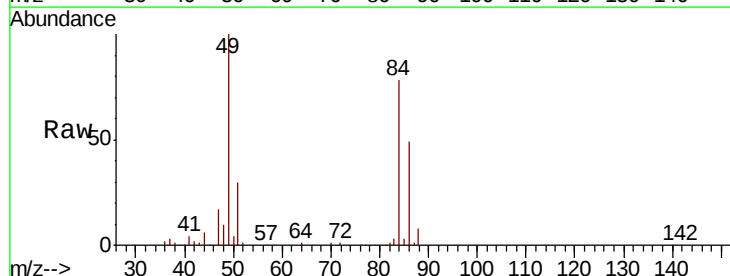
Tot Ion: 73 Resp: 176756
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.1 25.7



#20

Methylene Chloride
 Concen: 19.86 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 84 Resp: 58940
 Ion Ratio Lower Upper
 84 100
 49 128.5 101.2 151.8
 51 38.8 29.5 44.3
 86 62.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.87 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

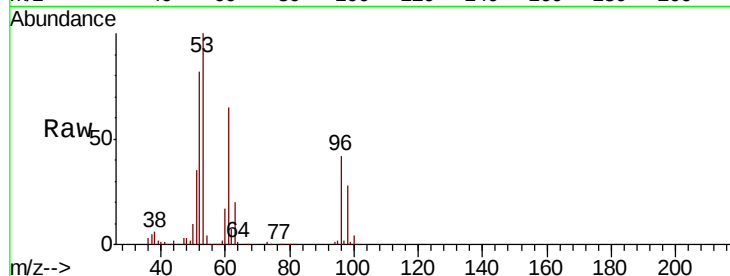
Tot Ion: 96 Resp: 55381

Ion Ratio Lower Upper

96 100

61 155.6 113.8 170.6

98 66.2 51.8 77.8

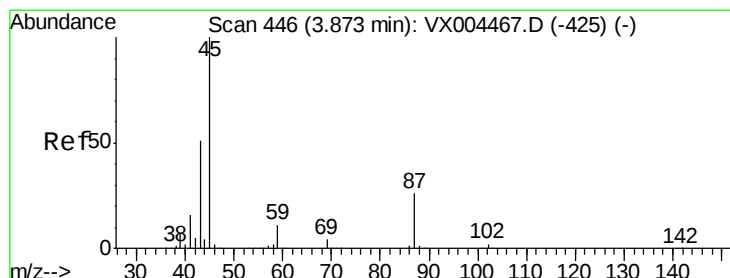
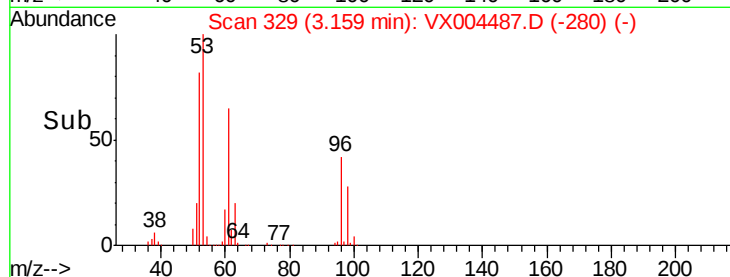
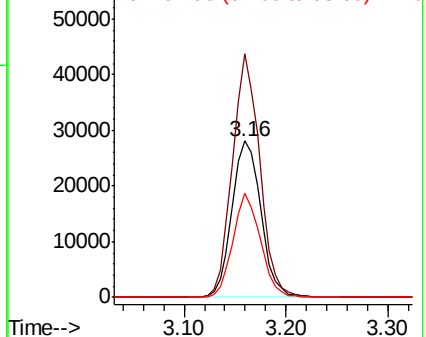


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.69 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion: 45 Resp: 175076

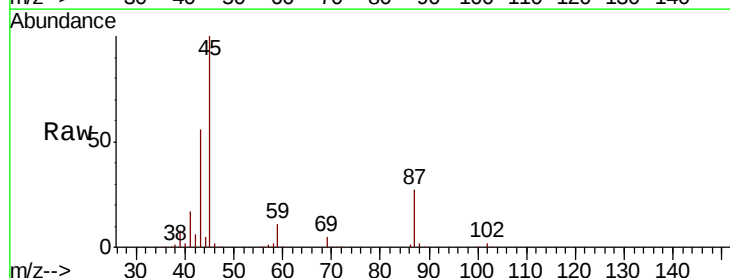
Ion Ratio Lower Upper

45 100

43 55.6 42.8 64.2

87 27.0 22.6 34.0

59 11.4 9.6 14.4



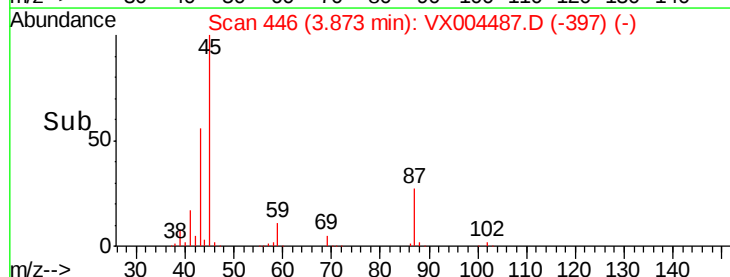
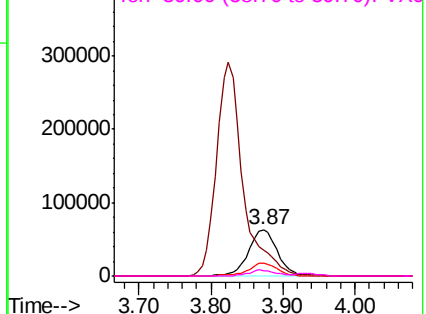
Abundance

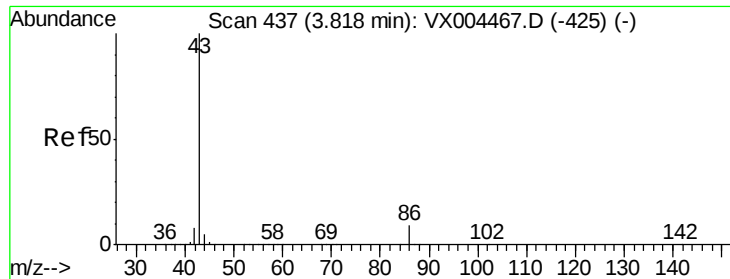
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.11 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

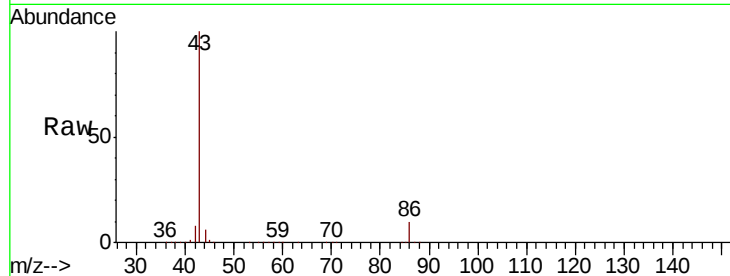
VX0912WBS01

Tot Ion: 43 Resp: 749221

Ion Ratio Lower Upper

43 100

86 10.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

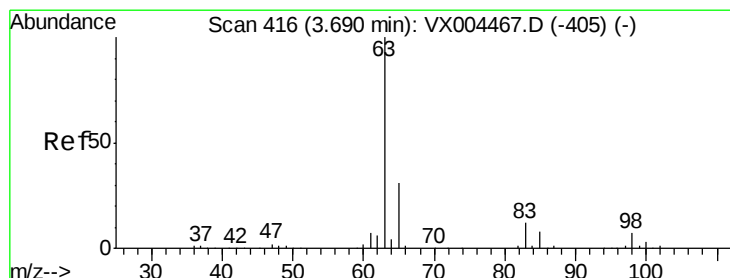
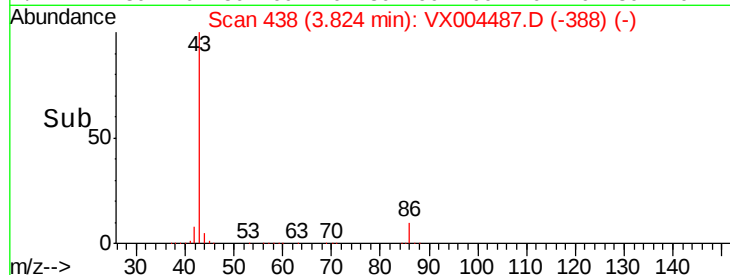
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.26 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

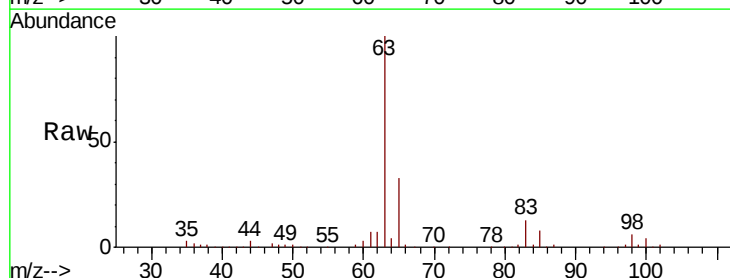
Tgt Ion: 63 Resp: 106721

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 3.8 2.4 7.1



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

60000

50000

40000

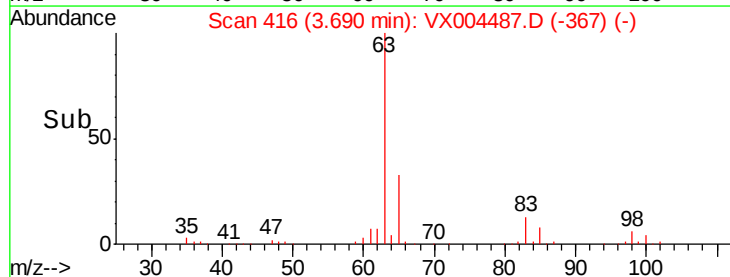
30000

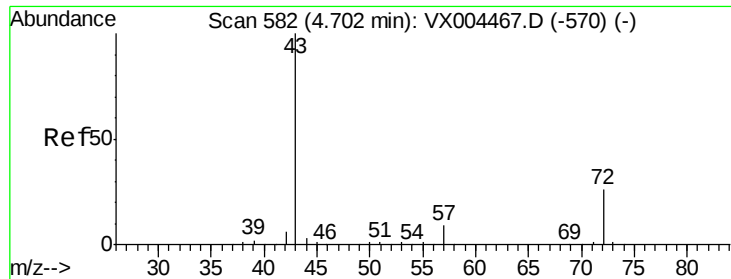
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.63 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

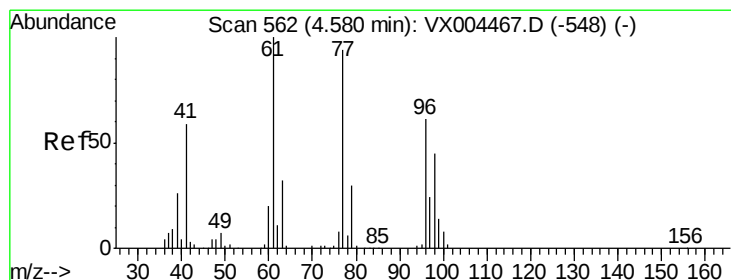
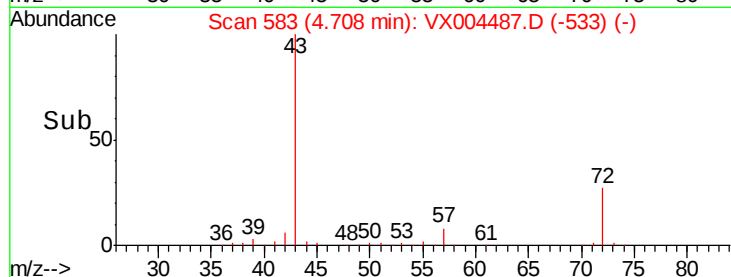
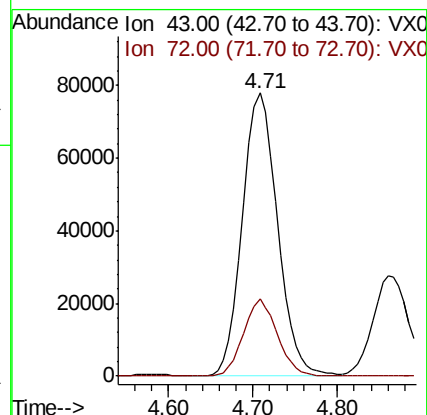
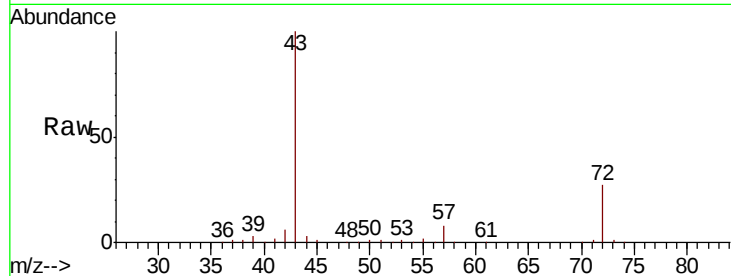
VX0912WBS01

Tot Ion: 43 Resp: 220161

Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 21.07 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004487.D

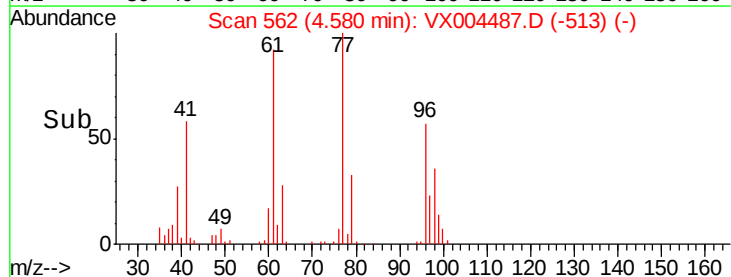
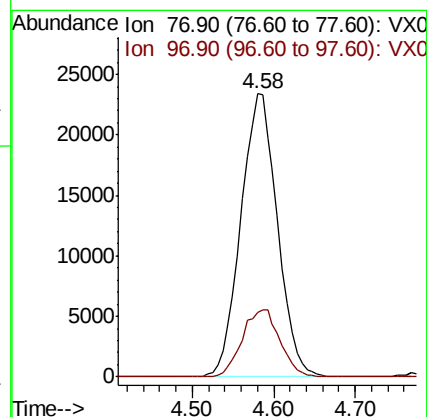
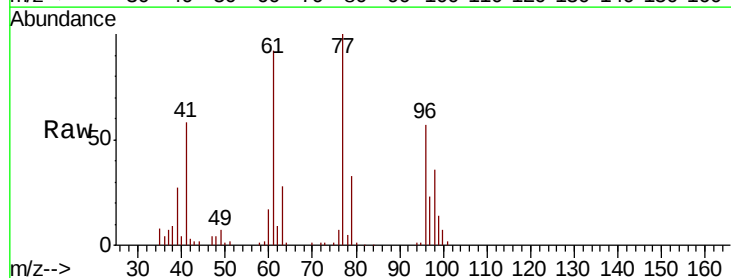
Acq: 12 Sep 2018 11:52

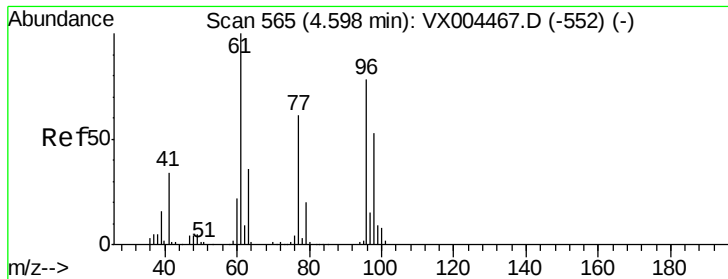
Tgt Ion: 77 Resp: 72648

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.65 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

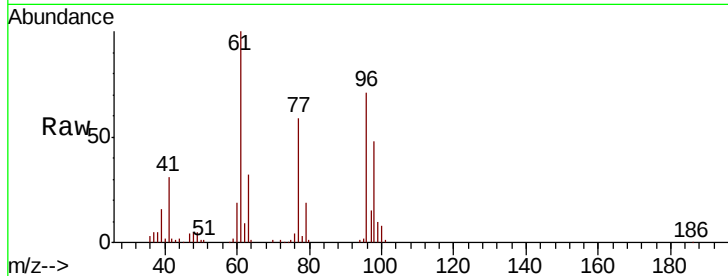
Tot Ion: 96 Resp: 58202

Ion Ratio Lower Upper

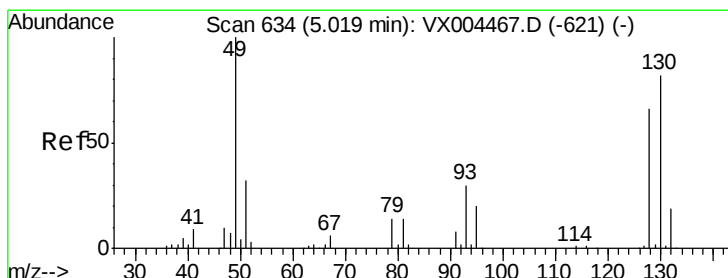
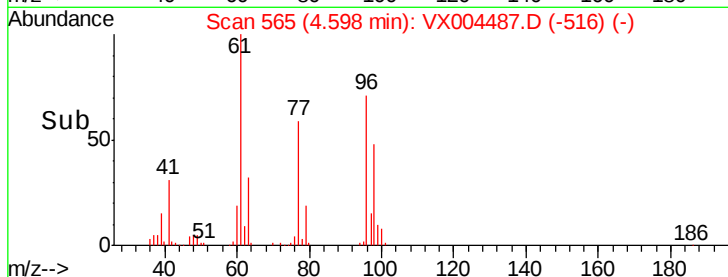
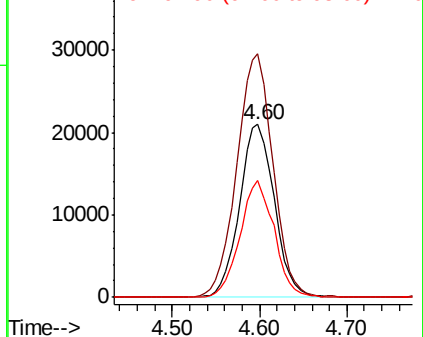
96 100

61 146.4 0.0 282.6

98 65.6 0.0 130.2



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



#28

Bromochloromethane

Concen: 21.64 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

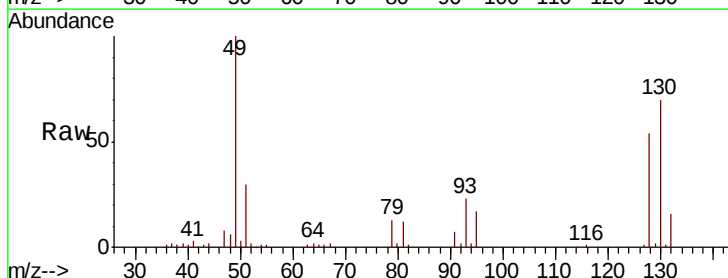
Tgt Ion: 49 Resp: 49709

Ion Ratio Lower Upper

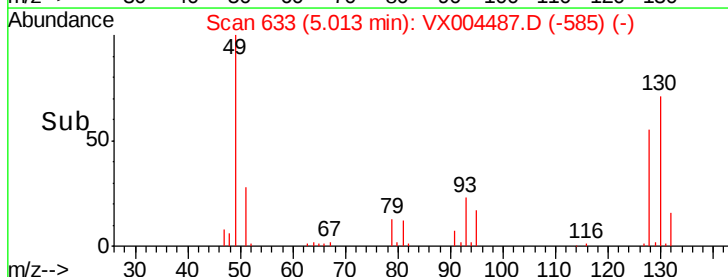
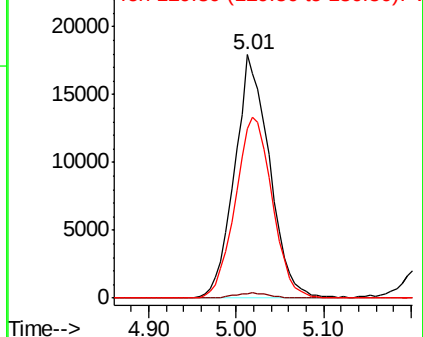
49 100

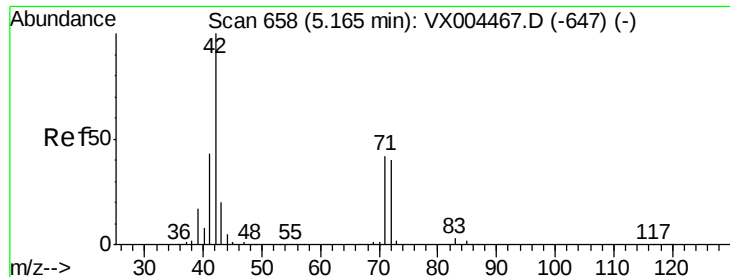
129 2.0 0.0 4.2

130 78.6 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 104.71 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

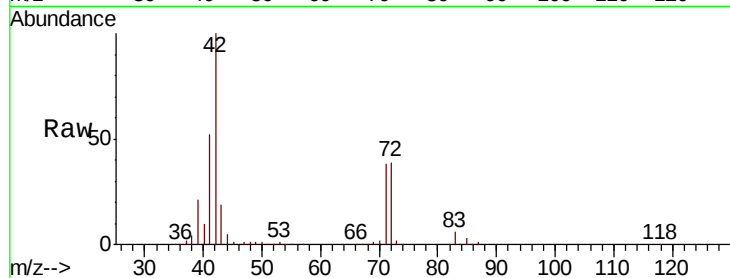
Tot Ion: 42 Resp: 145375

Ion Ratio Lower Upper

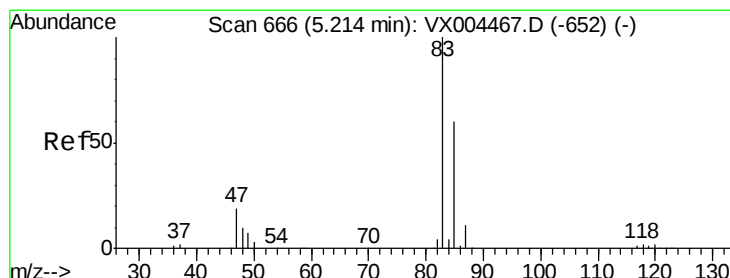
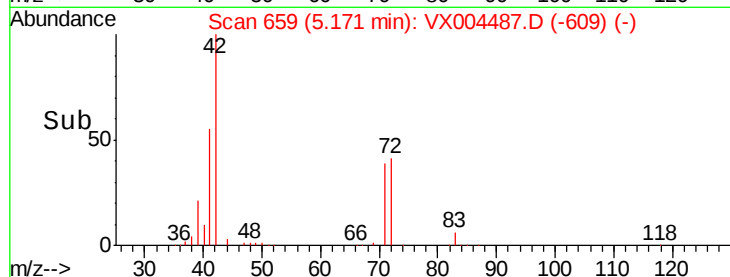
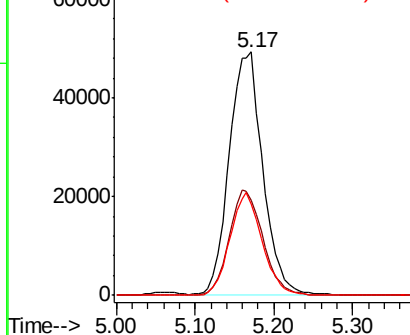
42 100

72 43.8 37.4 56.0

71 40.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.65 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004487.D

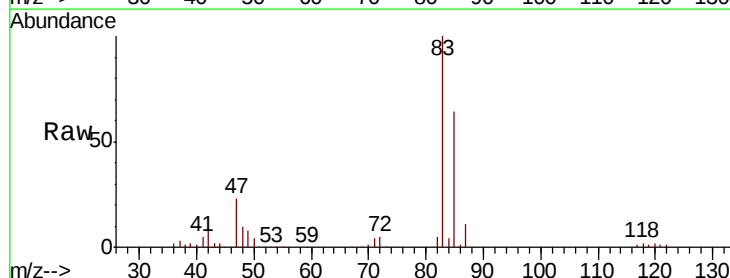
Acq: 12 Sep 2018 11:52

Tgt Ion: 83 Resp: 96326

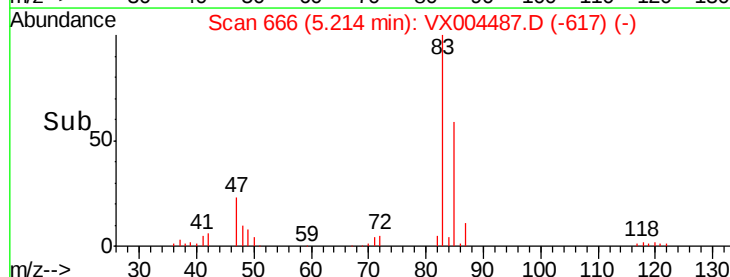
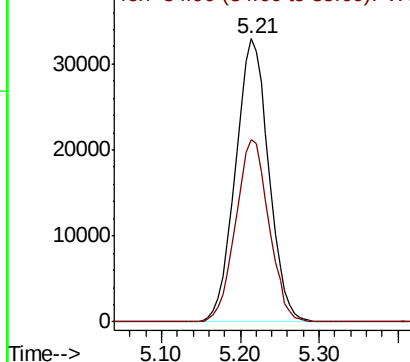
Ion Ratio Lower Upper

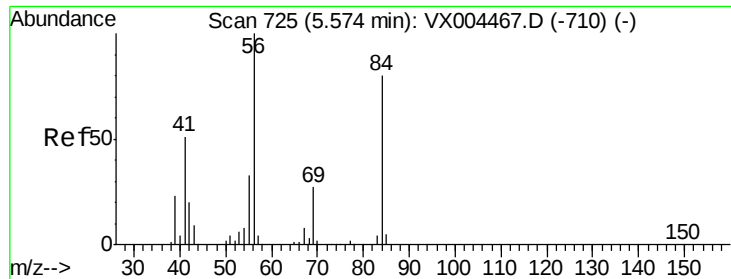
83 100

85 64.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

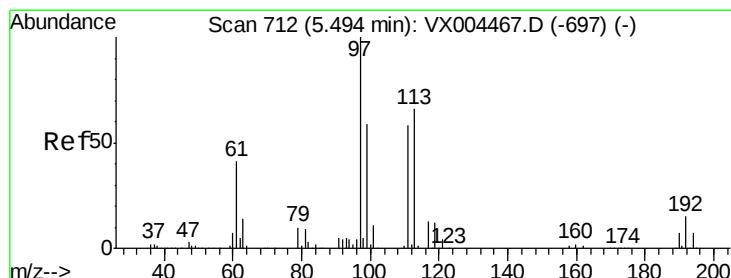
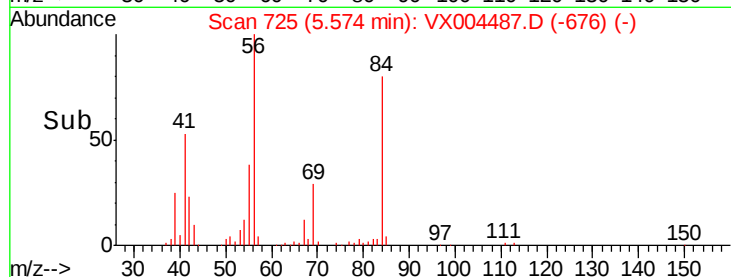
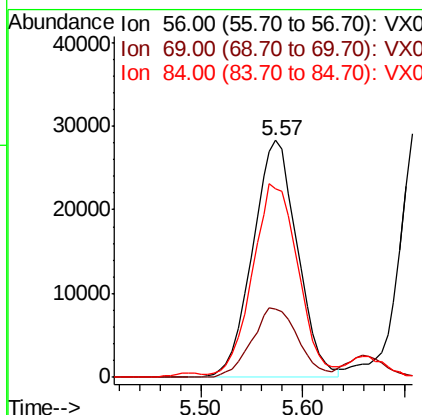
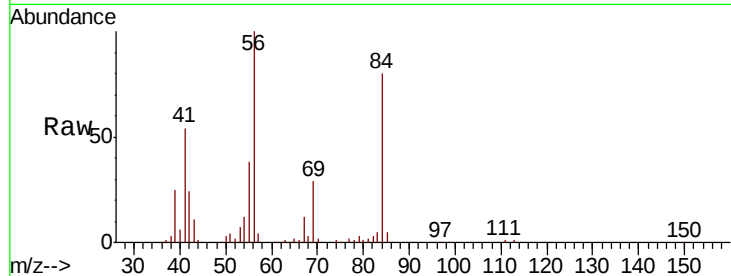




#31
Cyclohexane
Concen: 20.02 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

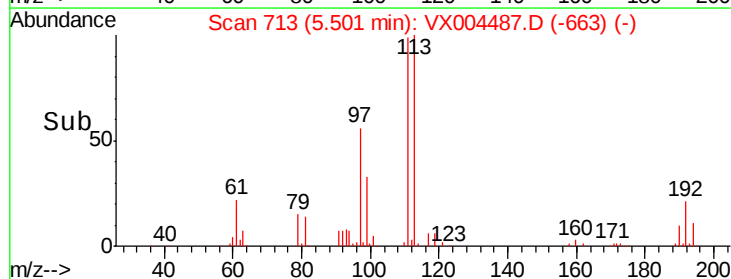
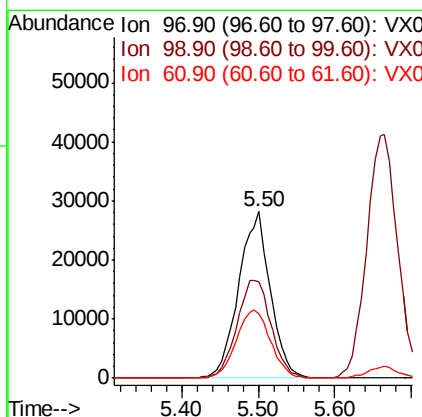
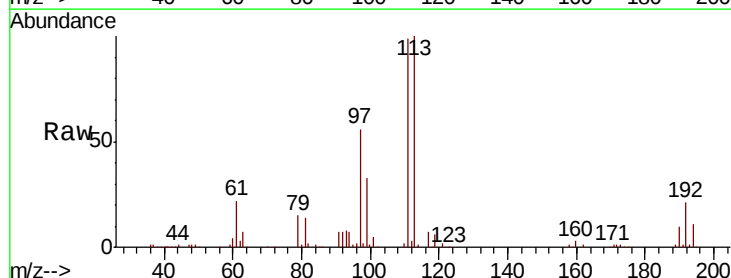
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion: 56 Resp: 85848
Ion Ratio Lower Upper
56 100
69 28.8 25.4 38.2
84 78.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 20.44 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 97 Resp: 80690
Ion Ratio Lower Upper
97 100
99 63.2 52.0 78.0
61 44.3 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 53.13 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

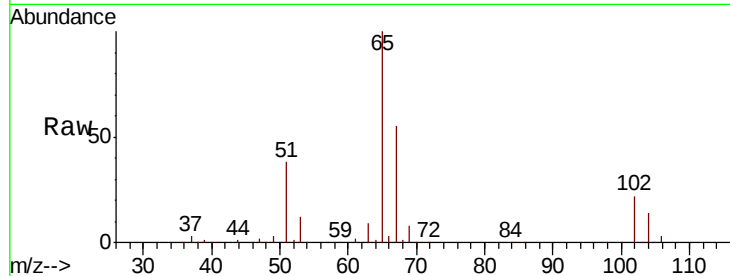
VX0912WBS01

Tot Ion: 65 Resp: 157464

Ion Ratio Lower Upper

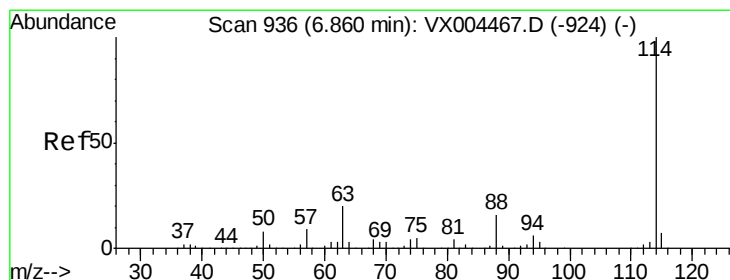
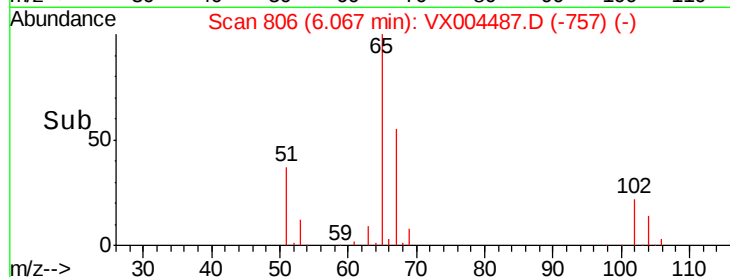
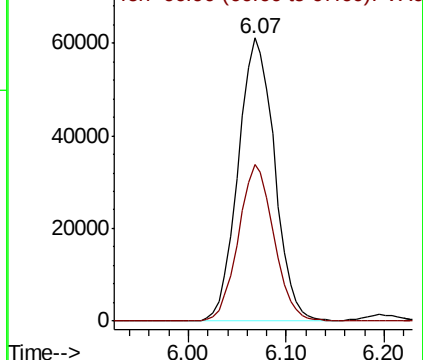
65 100

67 54.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

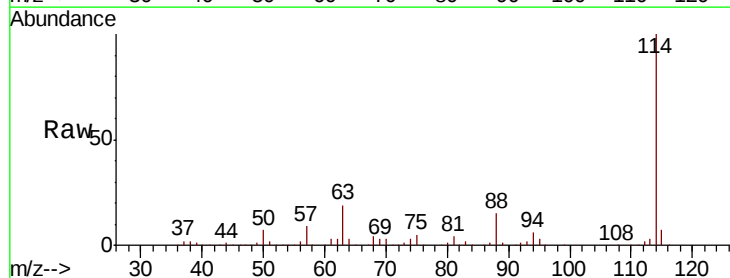
Tgt Ion: 114 Resp: 334834

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

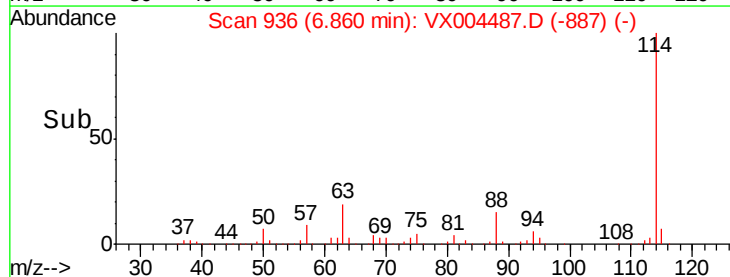
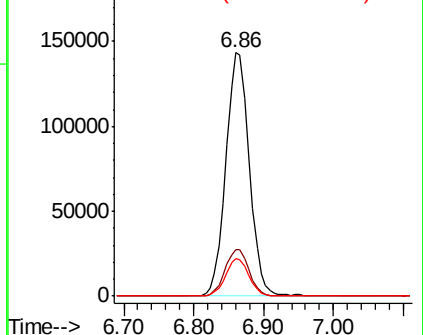
88 15.3 0.0 30.4

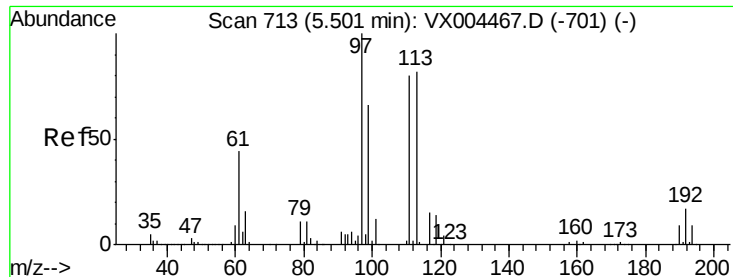


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

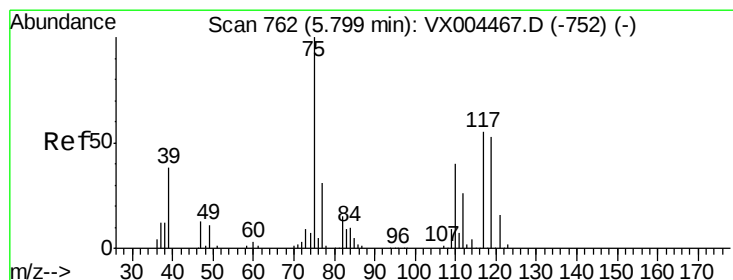
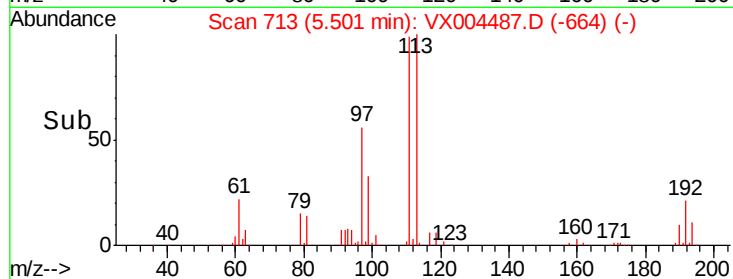
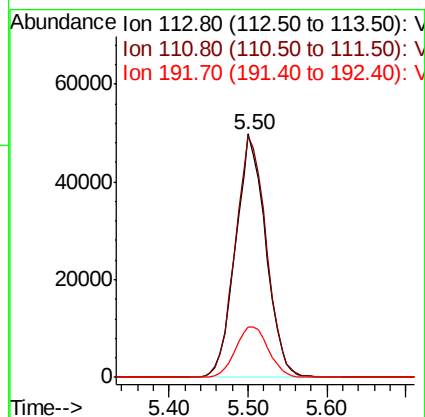
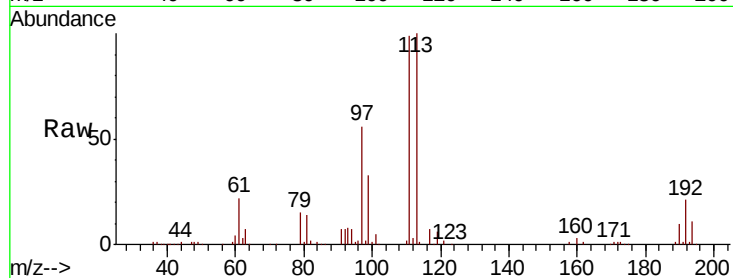




#35
 Dibromofluoromethane
 Concen: 43.48 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

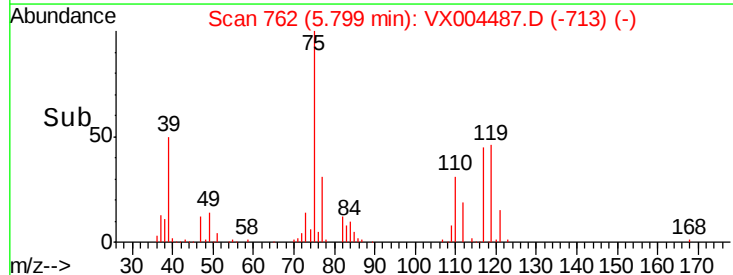
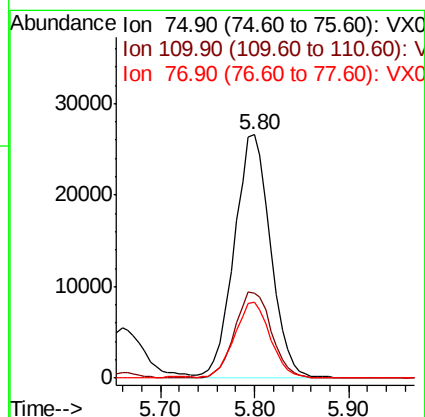
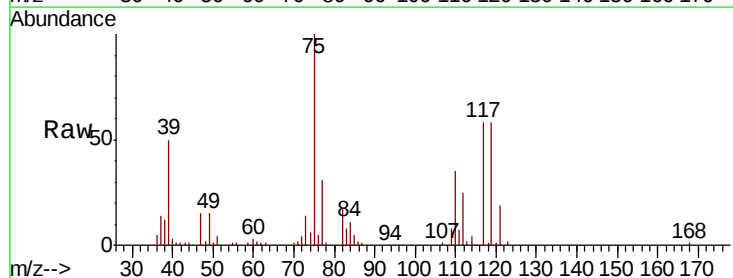
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

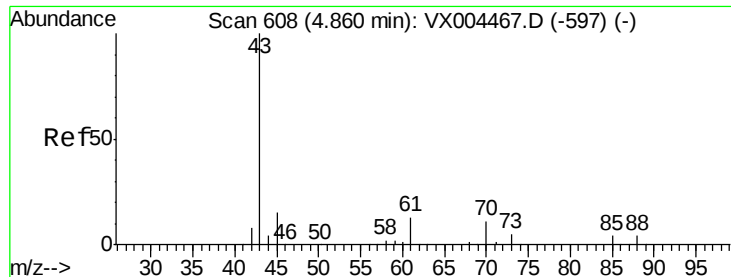
Tot Ion:113 Resp: 133212
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 22.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 17.66 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 75 Resp: 71778
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.0 54.0
 77 30.9 24.6 36.8





#37

Ethyl Acetate

Concen: 17.69 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleID :

VX0912WBS01

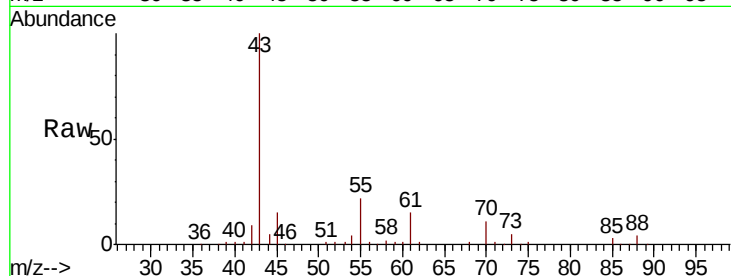
Tot Ion: 43 Resp: 81795

Ion Ratio Lower Upper

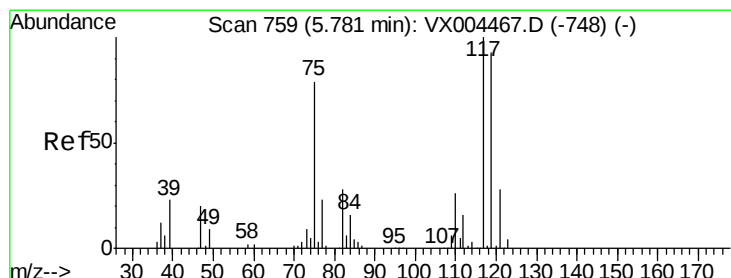
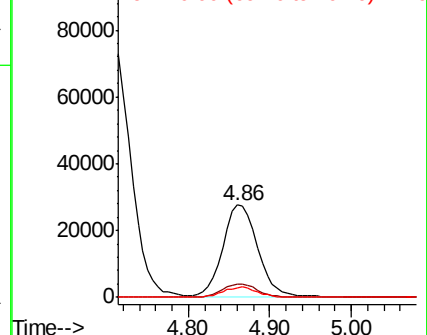
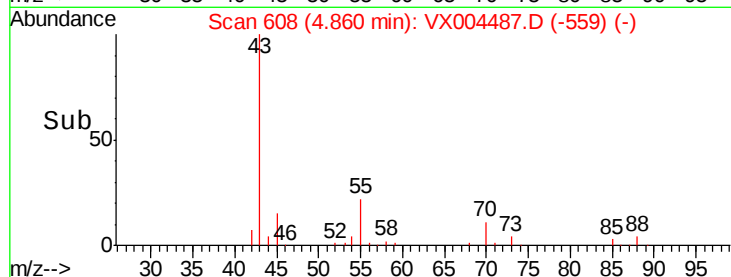
43 100

61 14.8 11.5 17.3

70 11.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 17.71 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

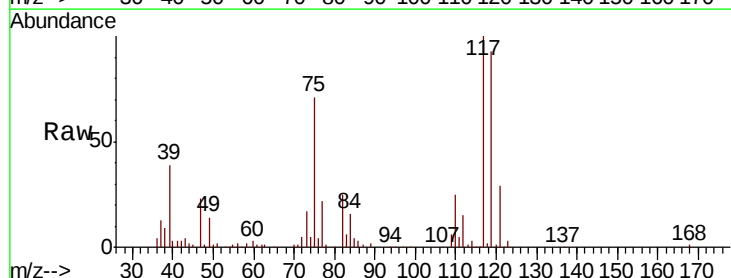
Tgt Ion: 117 Resp: 70301

Ion Ratio Lower Upper

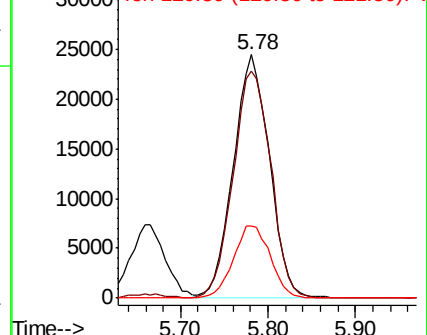
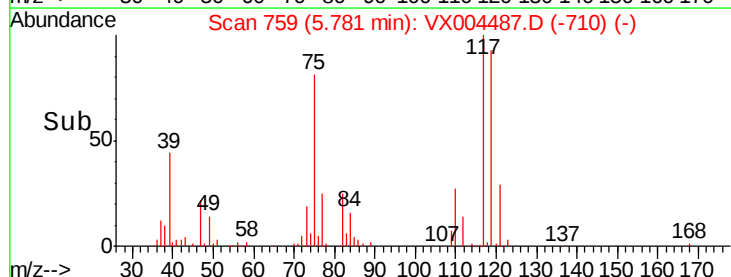
117 100

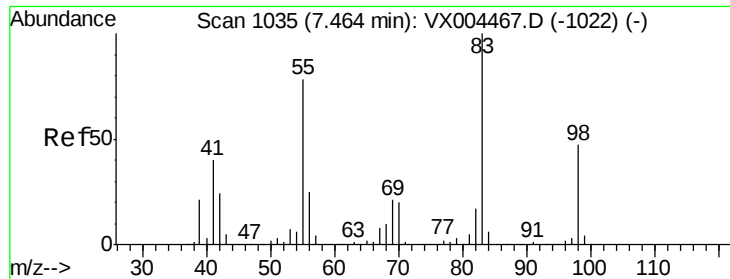
119 93.5 78.8 118.2

121 29.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

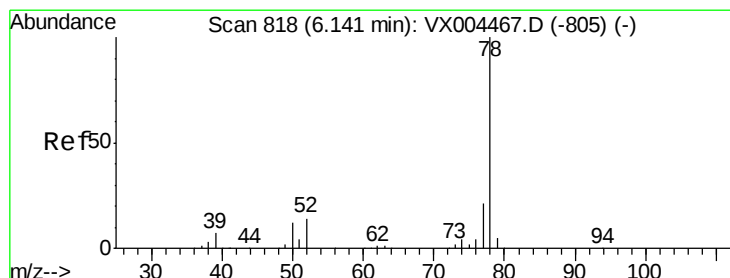
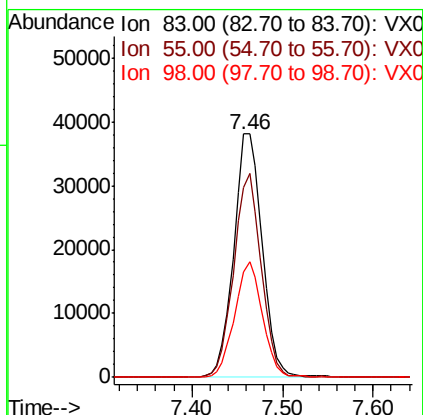
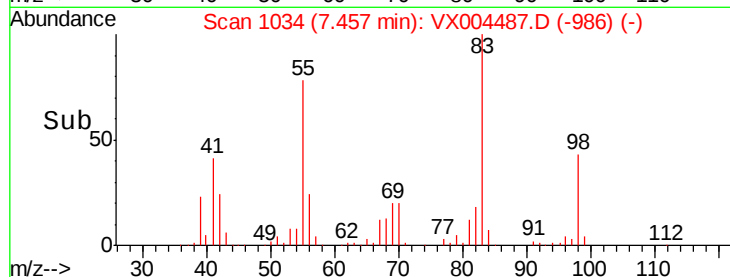
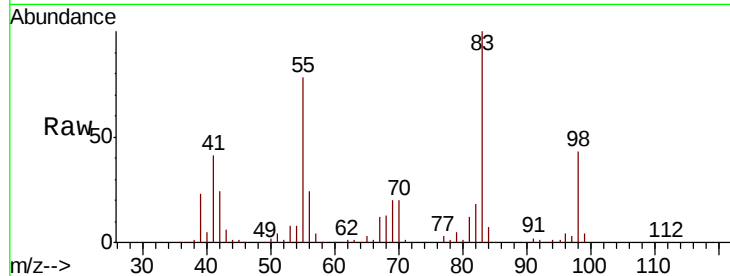




#39
Methvlcvclohexane
Concen: 19.55 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

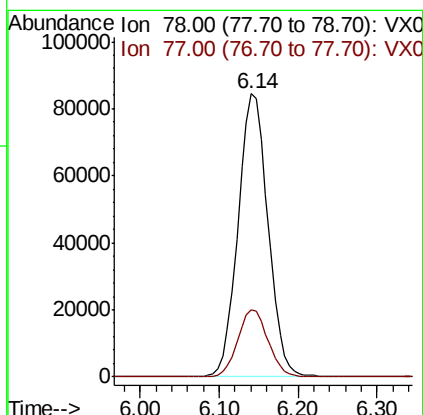
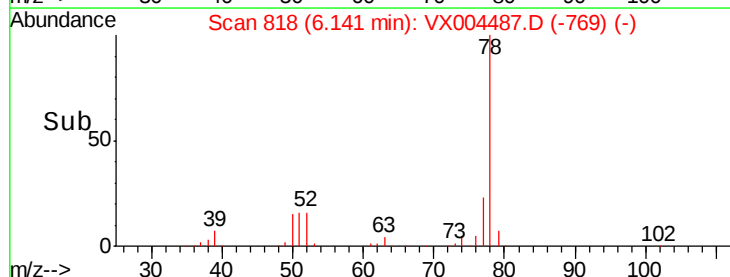
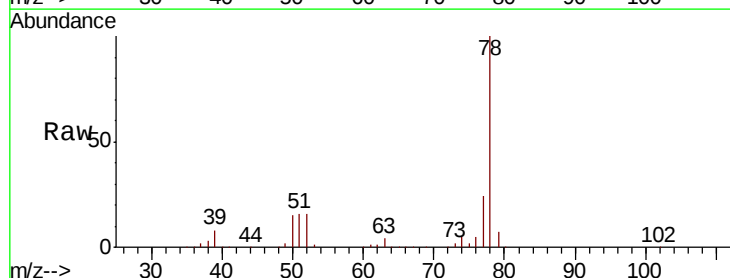
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

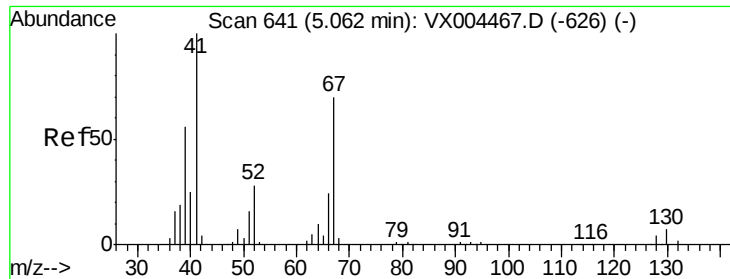
Tot Ion: 83 Resp: 82938
Ion Ratio Lower Upper
83 100
55 78.1 61.0 91.4
98 43.2 39.6 59.4



#40
Benzene
Concen: 18.50 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 78 Resp: 223106
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

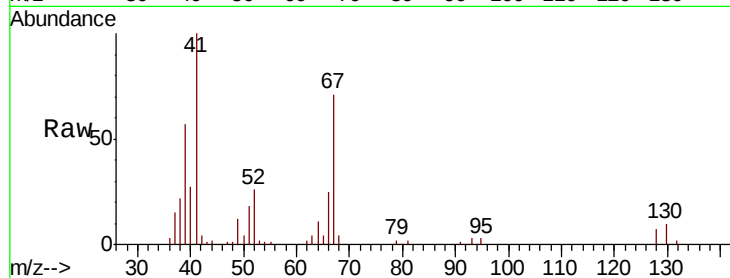




#41
Methacrylonitrile
Concen: 18.22 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0912WBS01

Tot Ion:	41	Resp:	46413
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	69.8	59.2	88.8
52	29.1	23.0	34.4



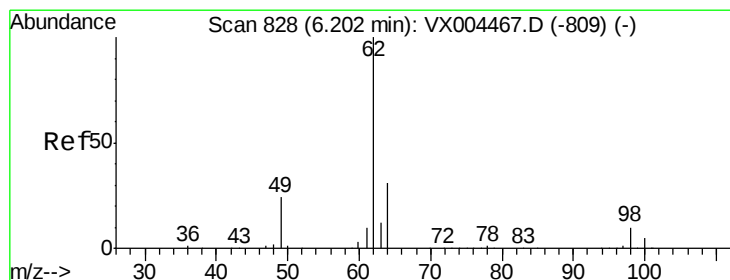
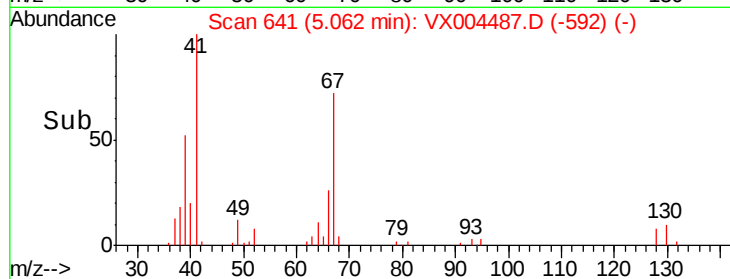
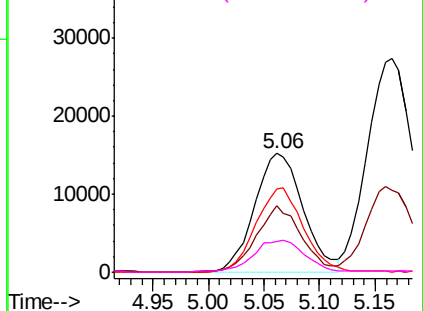
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

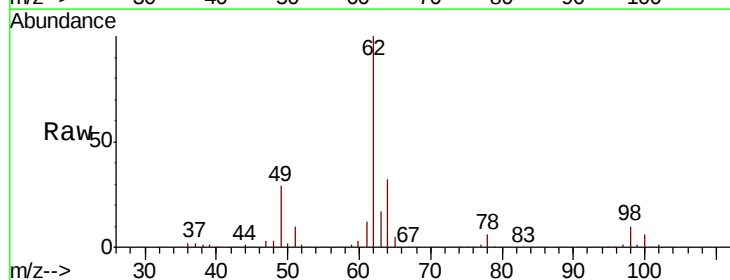
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 18.58 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

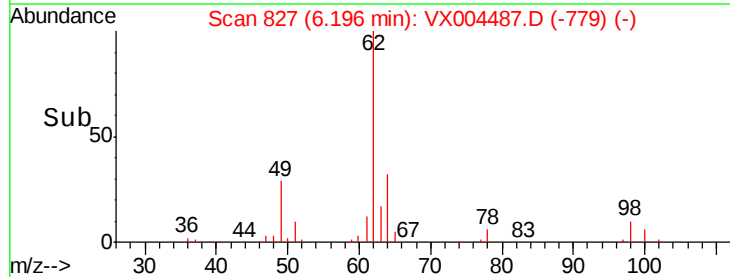
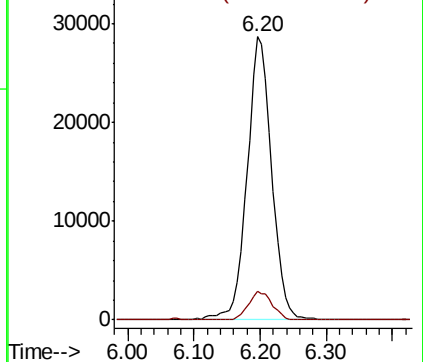
Tgt Ion:	62	Resp:	74340
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6

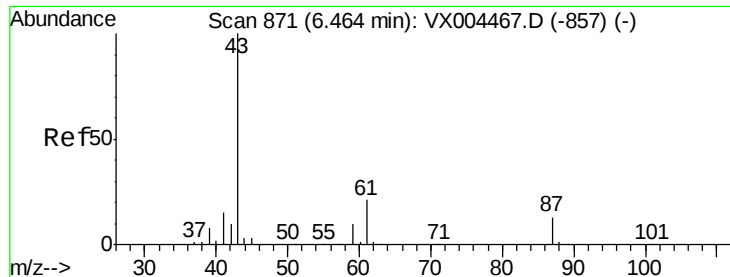


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.66 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

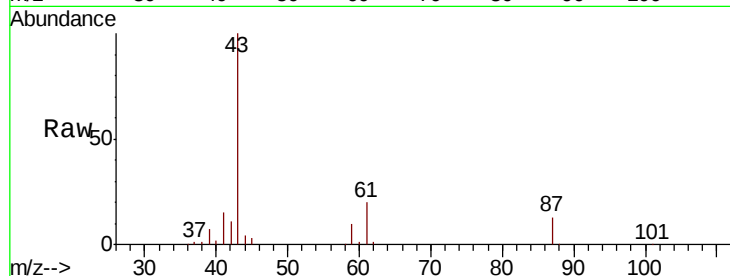
Tot Ion: 43 Resp: 120743

Ion Ratio Lower Upper

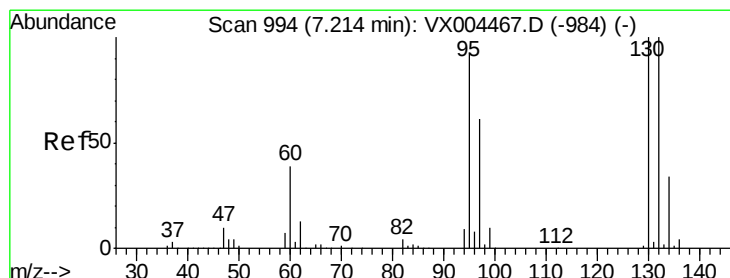
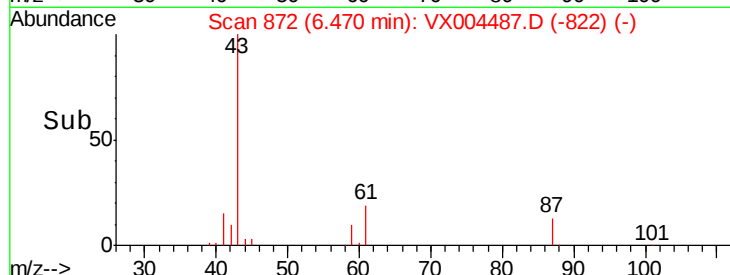
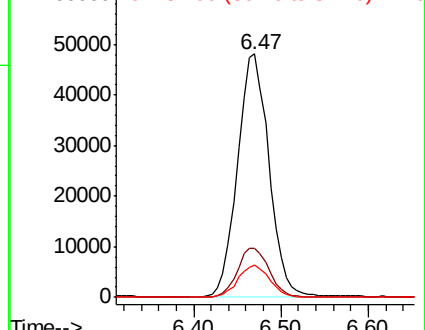
43 100

61 20.7 17.0 25.4

87 13.4 11.4 17.2



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



#44

Trichloroethene

Concen: 19.40 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004487.D

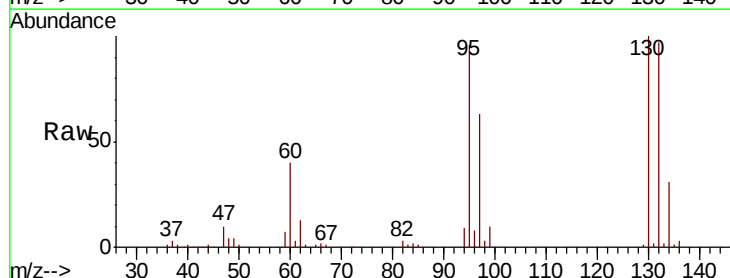
Acq: 12 Sep 2018 11:52

Tgt Ion:130 Resp: 60804

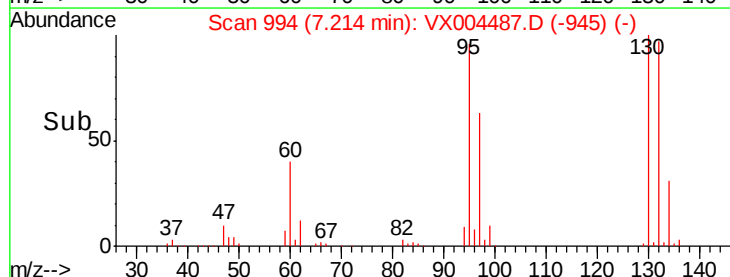
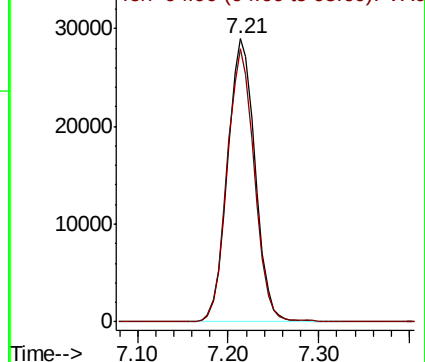
Ion Ratio Lower Upper

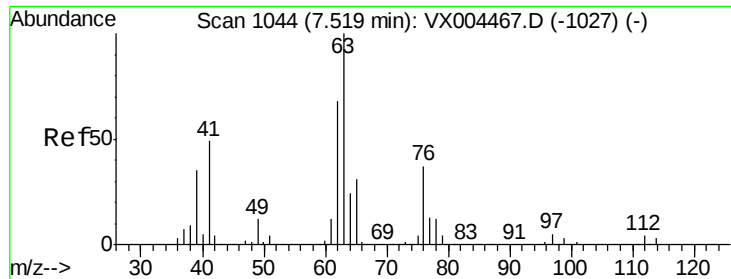
130 100

95 96.3 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 19.93 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

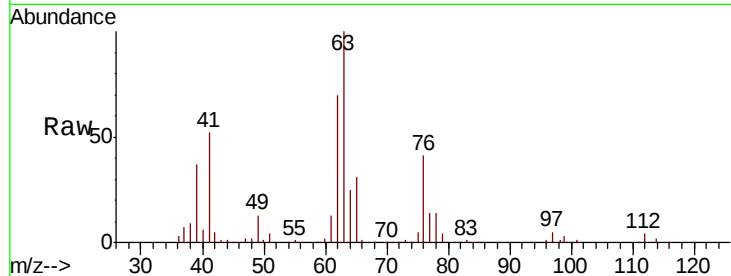
VX0912WBS01

Tot Ion: 63 Resp: 57840

Ion Ratio Lower Upper

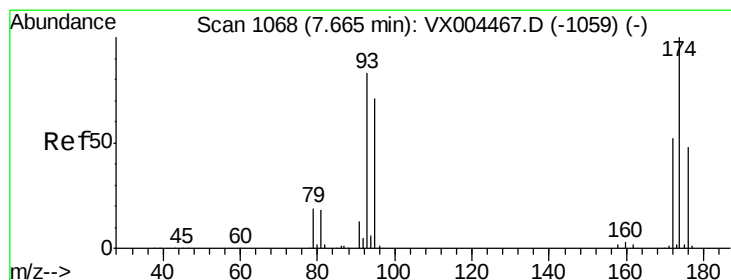
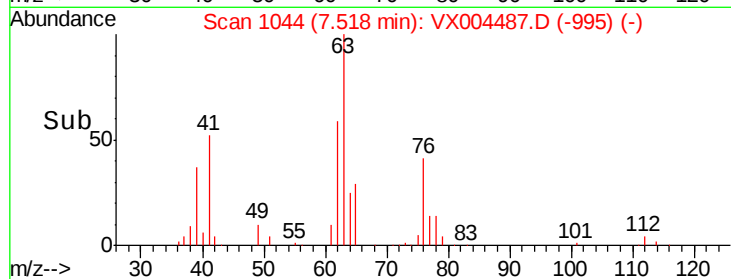
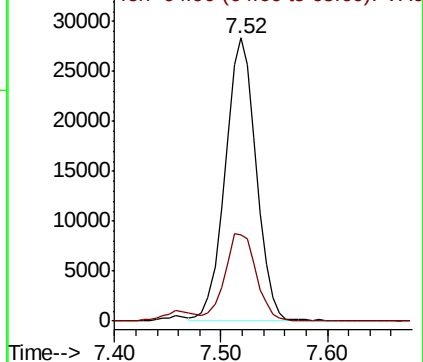
63 100

65 30.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.25 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

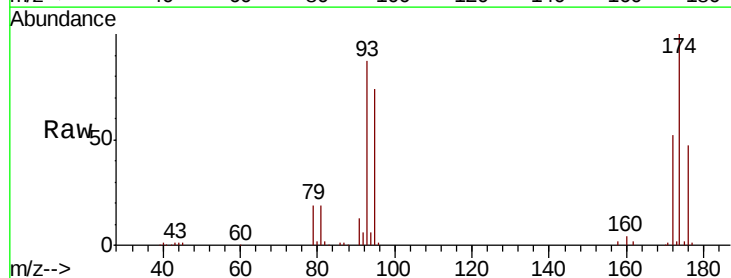
Tgt Ion: 93 Resp: 37137

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

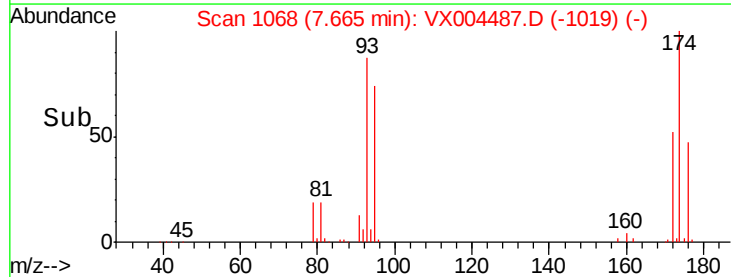
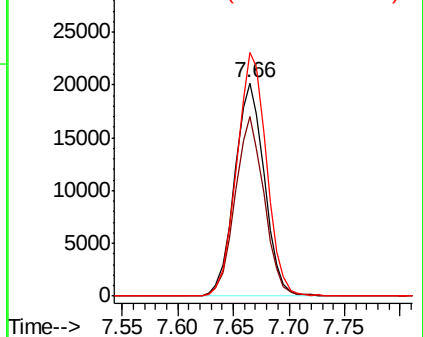
174 115.1 94.2 141.4

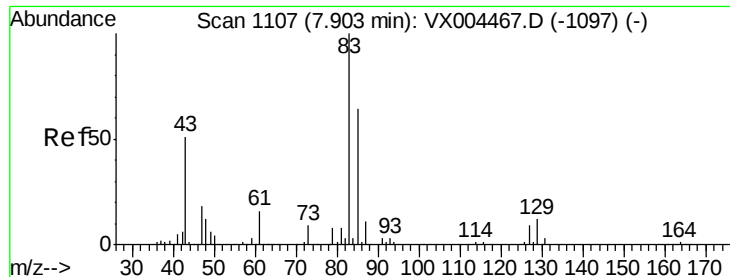


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.83 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

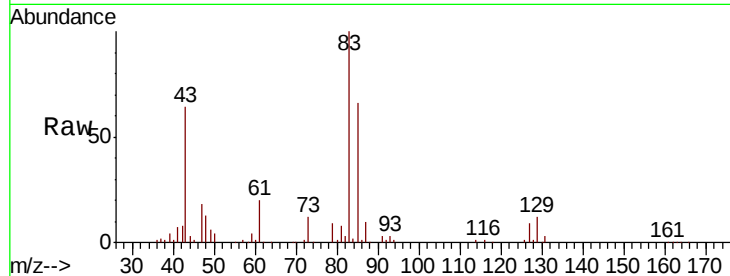
Tot Ion: 83 Resp: 68766

Ion Ratio Lower Upper

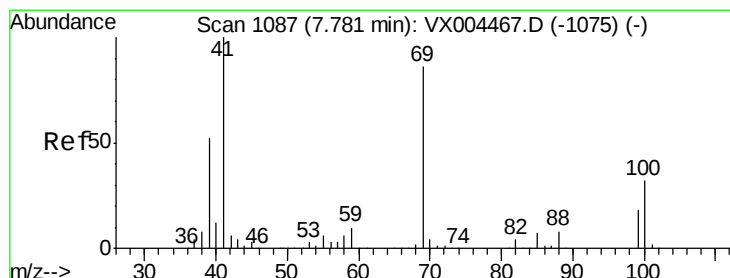
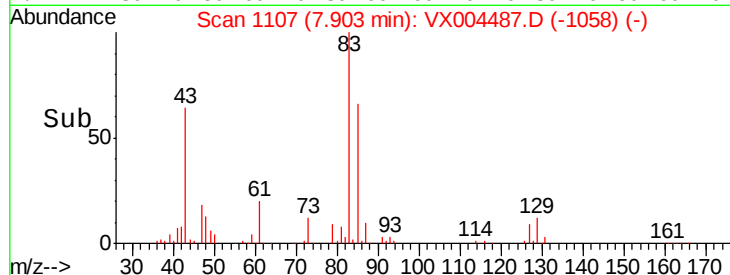
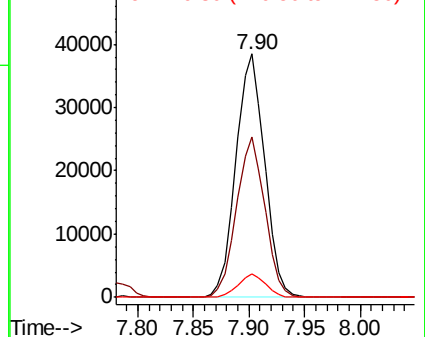
83 100

85 66.0 50.9 76.3

127 9.4 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.48 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

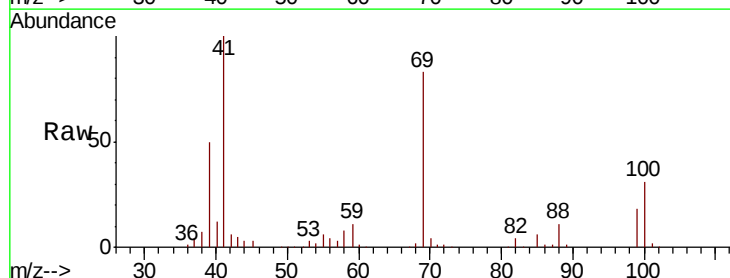
Tgt Ion: 41 Resp: 62231

Ion Ratio Lower Upper

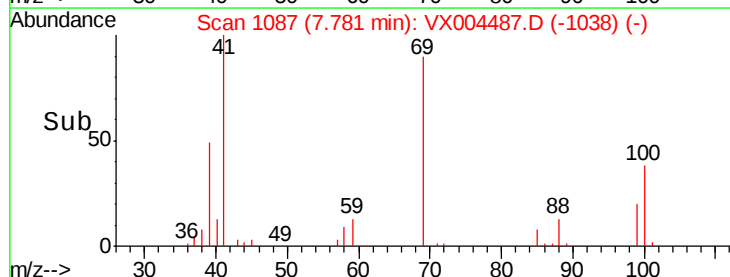
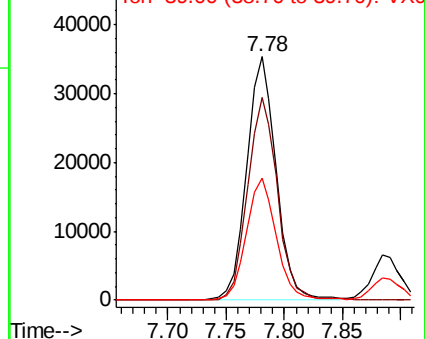
41 100

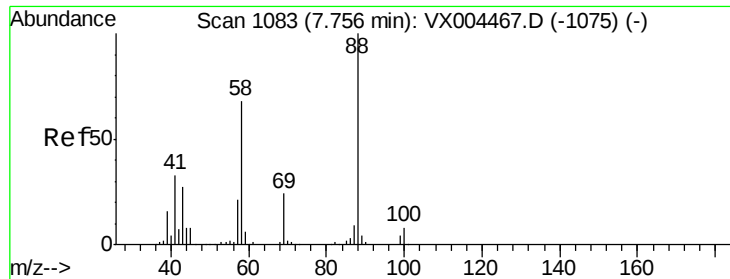
69 84.1 70.2 105.4

39 51.5 42.7 64.1



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





#49

1,4-Dioxane

Concen: 426.55 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

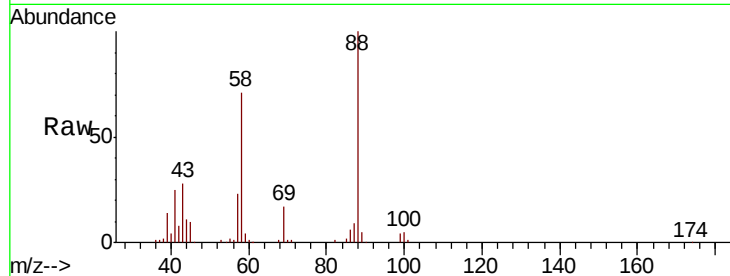
Tot Ion: 88 Resp: 30681

Ion Ratio Lower Upper

88 100

43 31.1 24.7 37.1

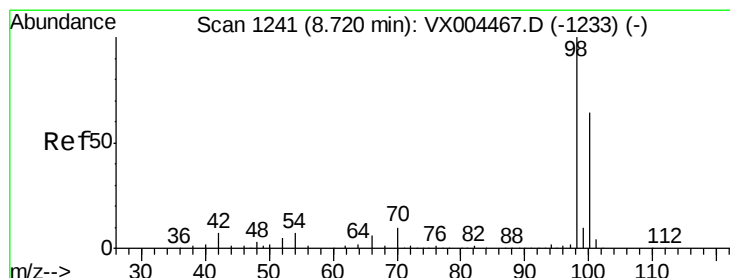
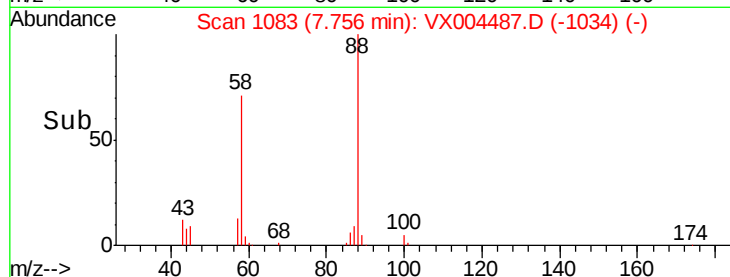
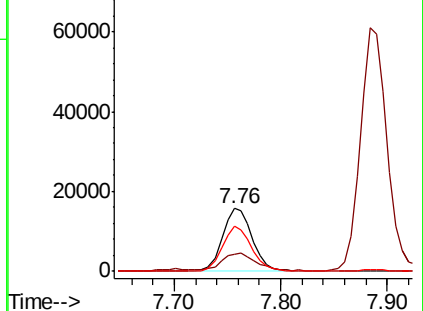
58 71.1 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.23 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004487.D

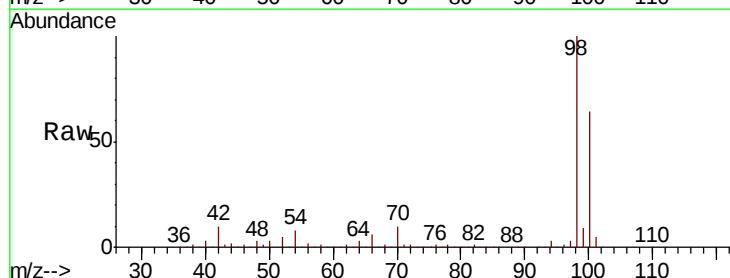
Acq: 12 Sep 2018 11:52

Tgt Ion: 98 Resp: 516087

Ion Ratio Lower Upper

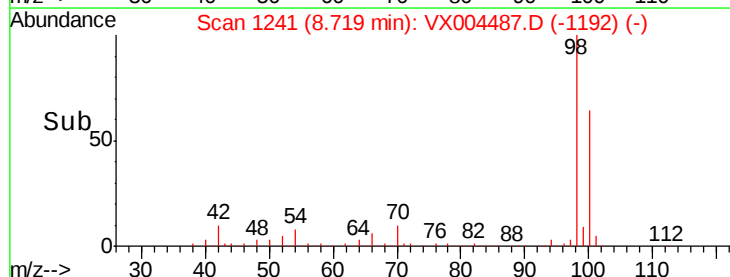
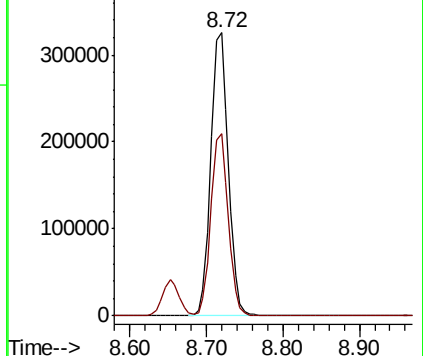
98 100

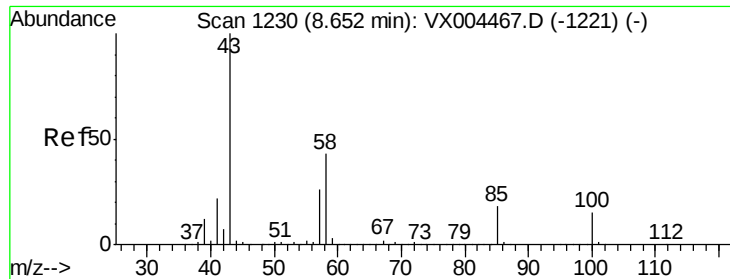
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 97.62 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

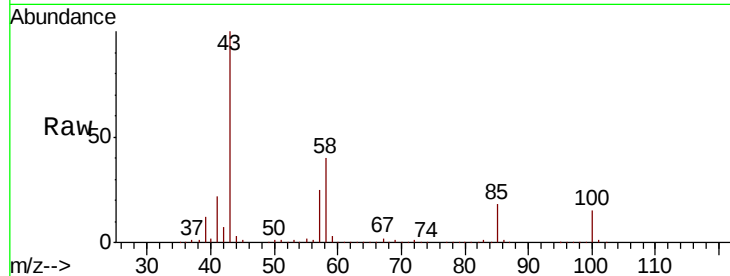
VX0912WBS01

Tot Ion: 43 Resp: 423023

Ion Ratio Lower Upper

43 100

58 39.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

200000

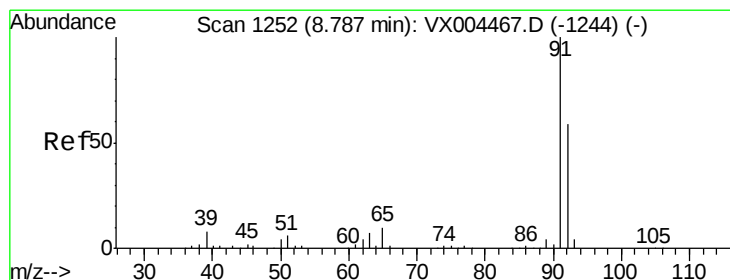
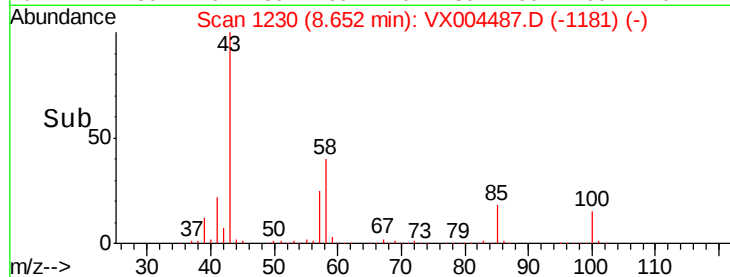
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.52 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004487.D

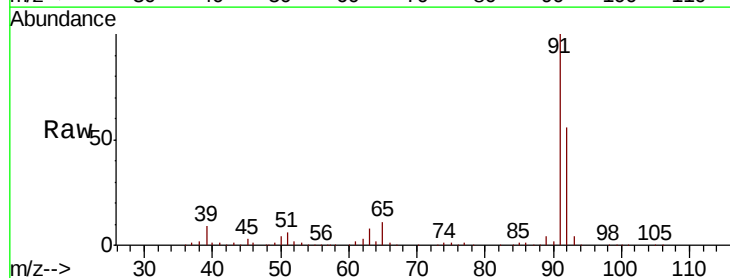
Acq: 12 Sep 2018 11:52

Tgt Ion: 92 Resp: 138692

Ion Ratio Lower Upper

92 100

91 175.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

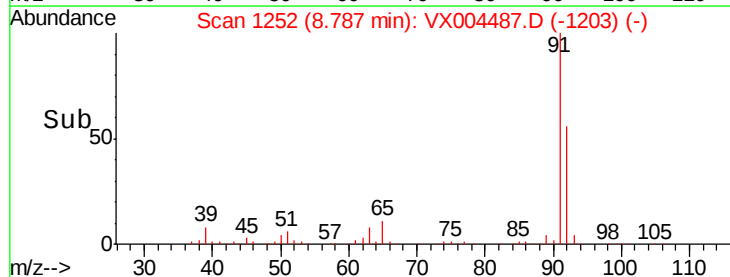
150000

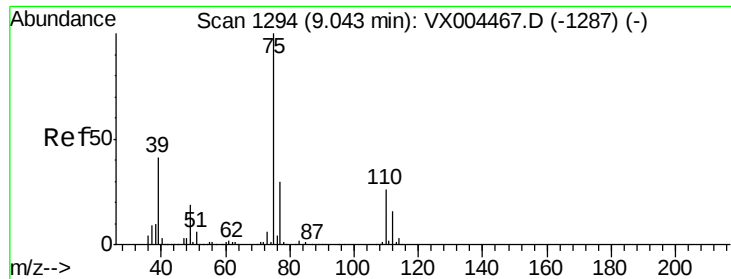
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.80 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

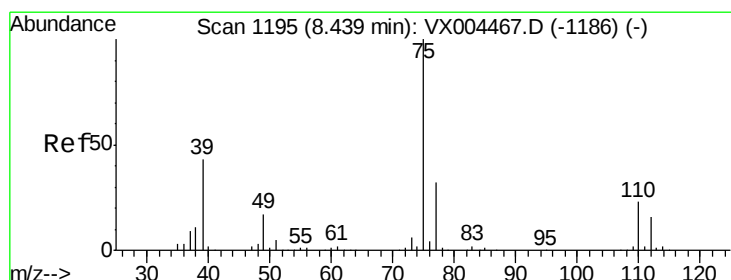
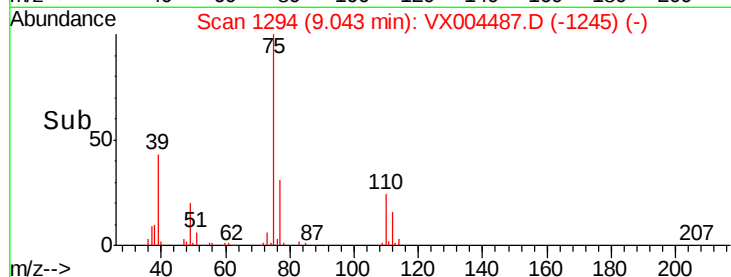
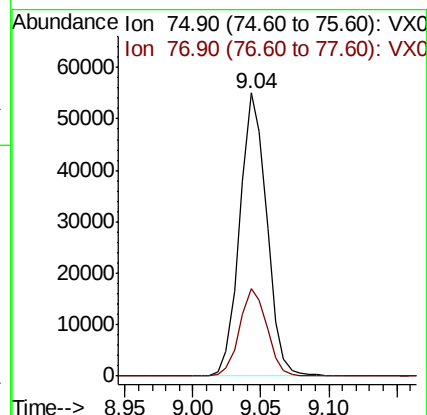
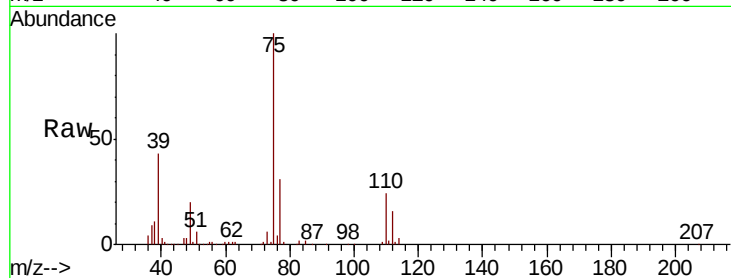
VX0912WBS01

Tot Ion: 75 Resp: 76133

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.46 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

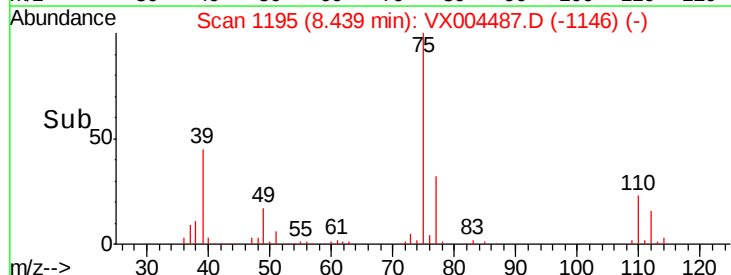
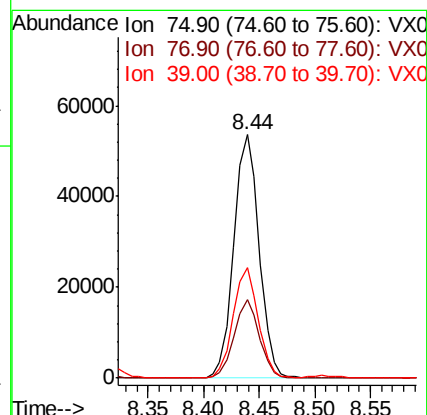
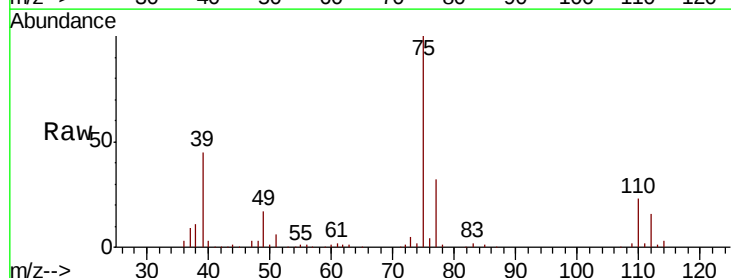
Tgt Ion: 75 Resp: 84476

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

39 45.0 36.4 54.6

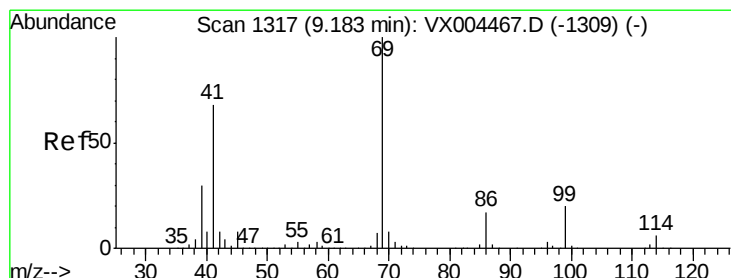
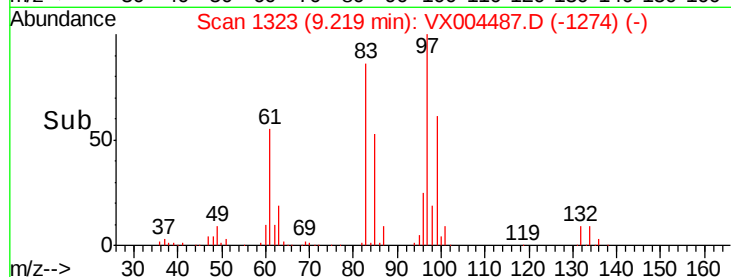
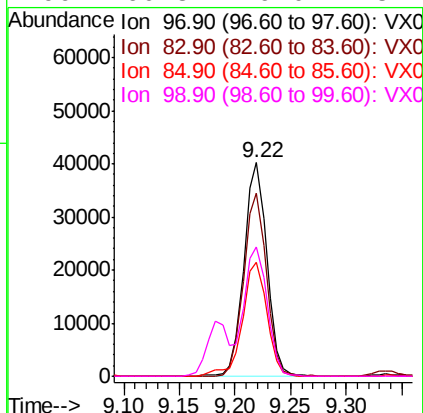
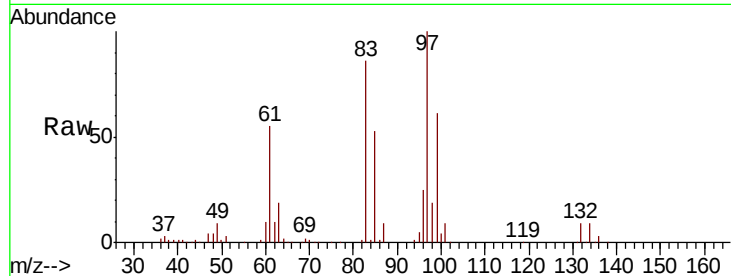




#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

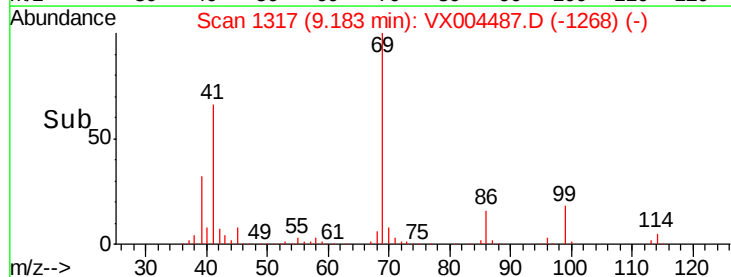
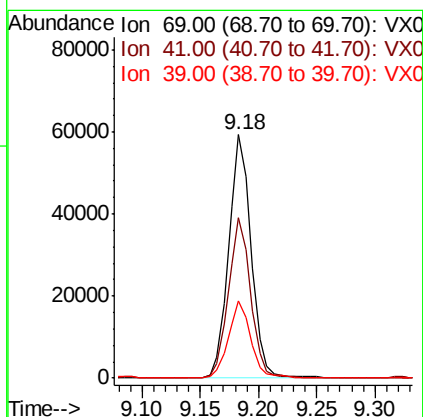
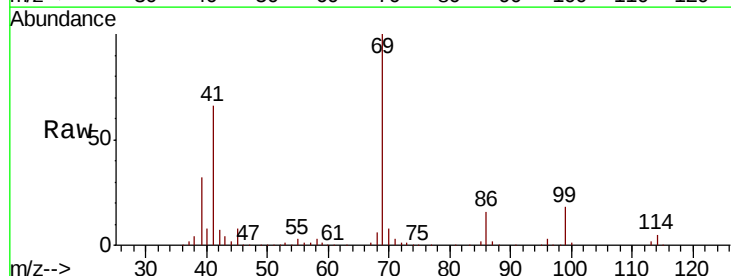
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

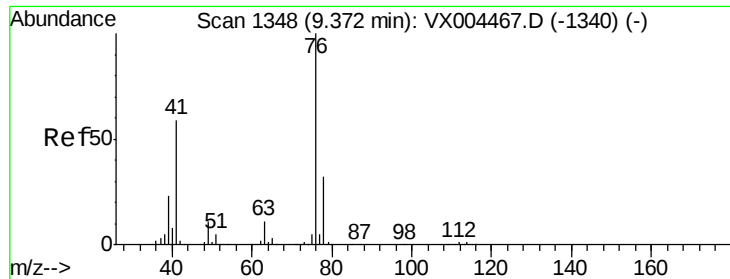
Tot Ion:	97	Resp:	57545
Ion	Ratio	Lower	Upper
97	100		
83	85.7	66.4	99.6
85	53.2	43.3	64.9
99	60.8	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 18.32 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion:	69	Resp:	79307
Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.0	76.4
39	31.3	26.1	39.1

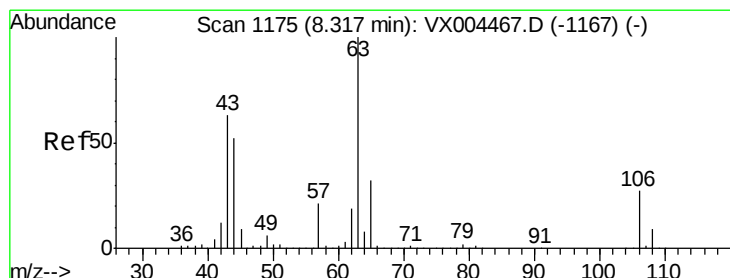
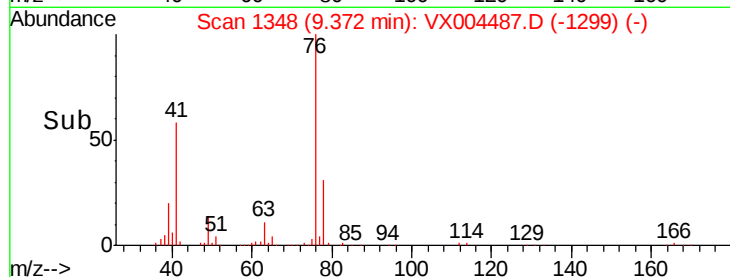
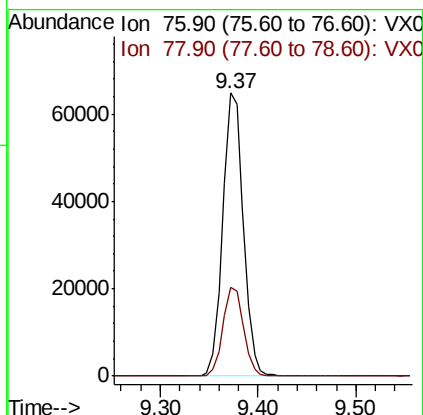
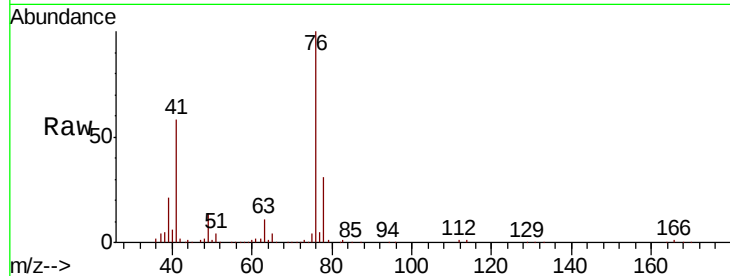




#57
 1,3-Dichloropropane
 Concen: 19.03 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

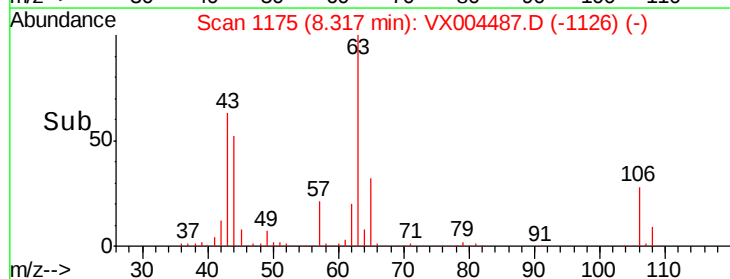
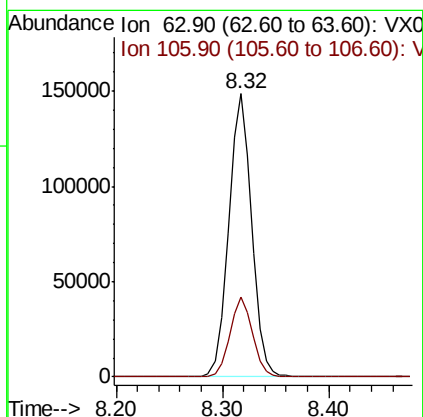
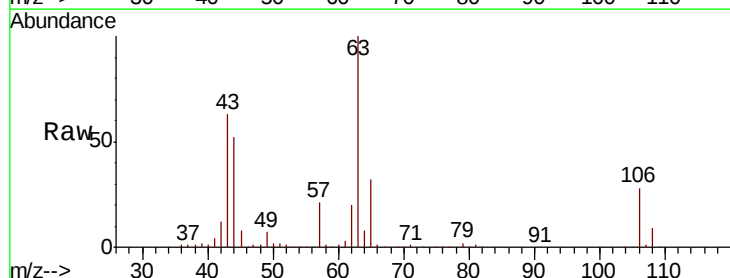
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

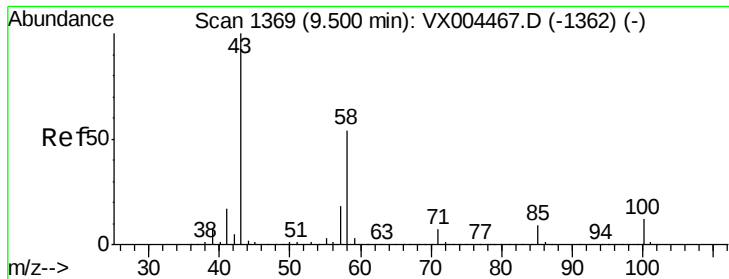
Tot Ion: 76 Resp: 94610
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.10 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 63 Resp: 224487
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.9 35.9

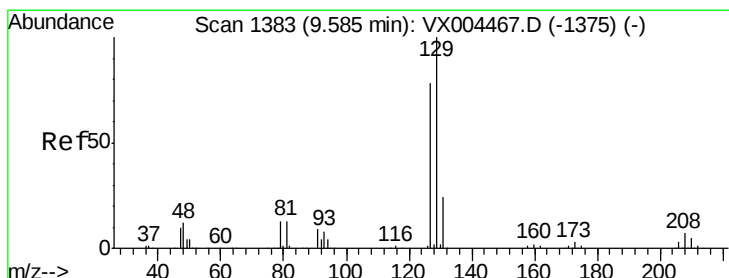
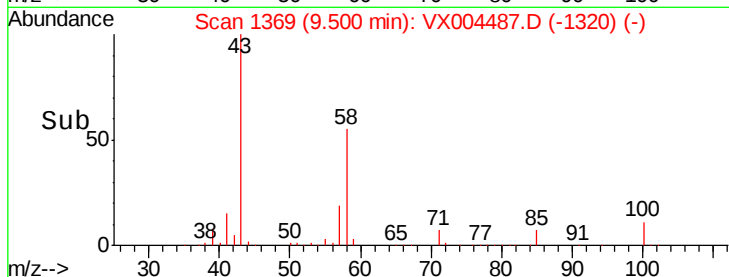
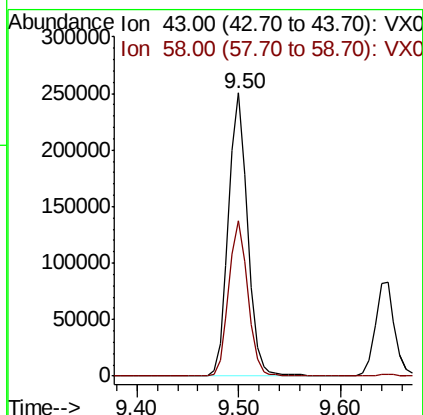
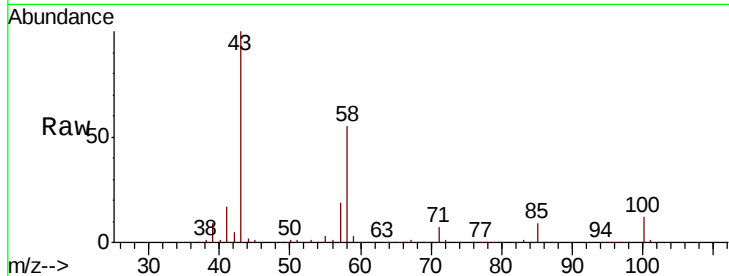




#59
2-Hexanone
Concen: 97.87 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

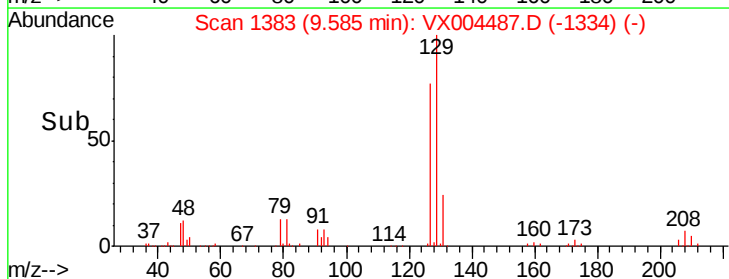
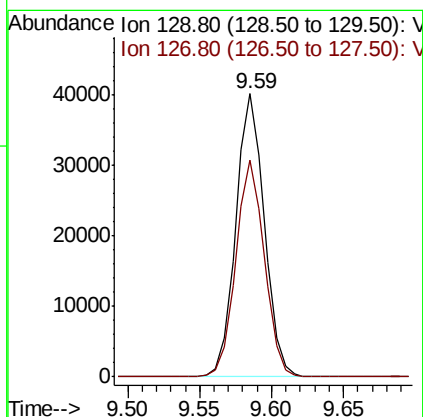
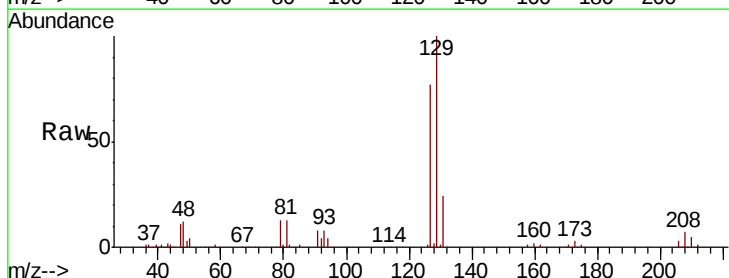
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

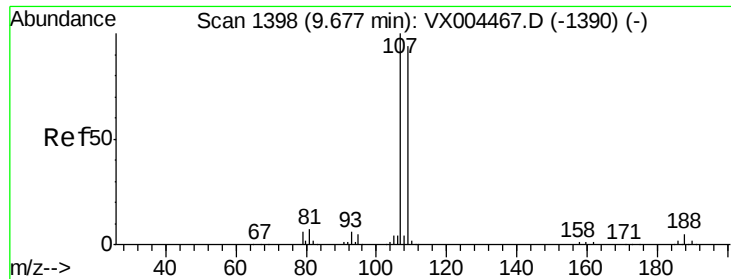
Tot Ion: 43 Resp: 325333
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0



#60
Dibromochloromethane
Concen: 19.24 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 129 Resp: 55413
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

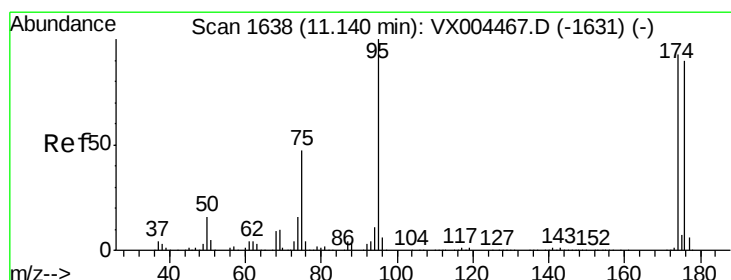
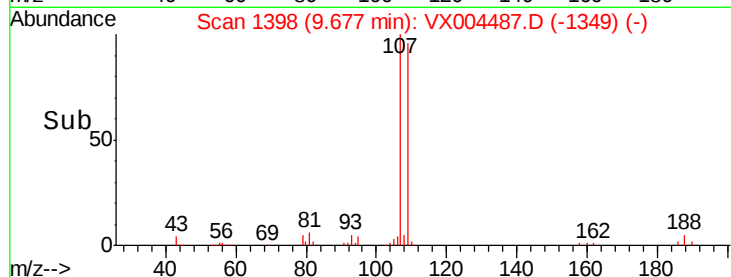
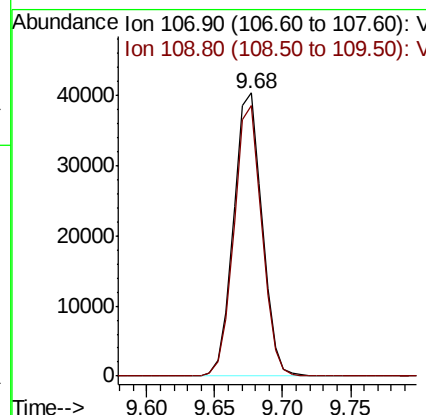
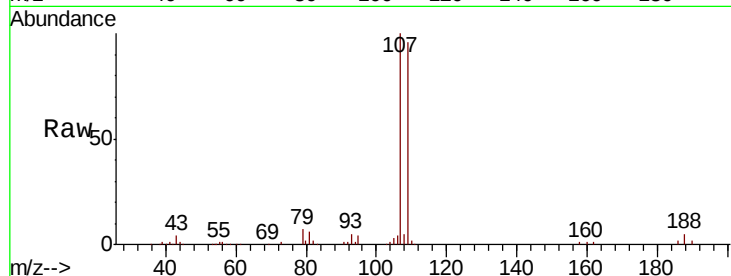




#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

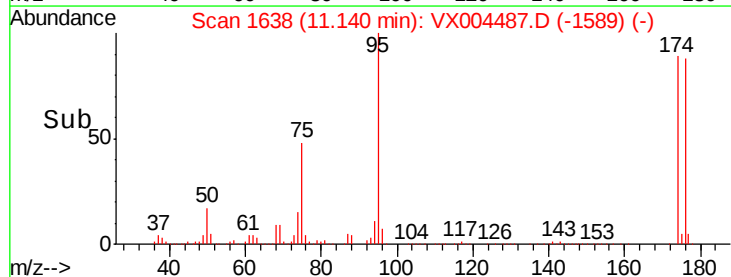
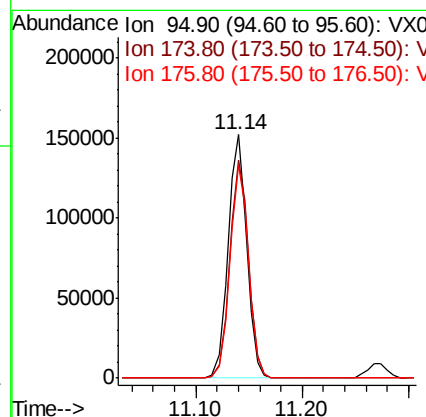
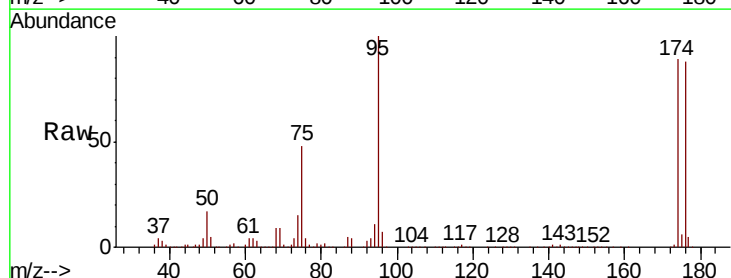
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

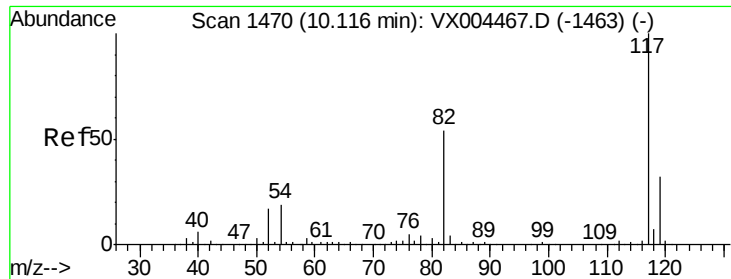
Tot Ion:107 Resp: 58750
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 50.63 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 95 Resp: 185717
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 185.2
 176 87.5 0.0 178.6

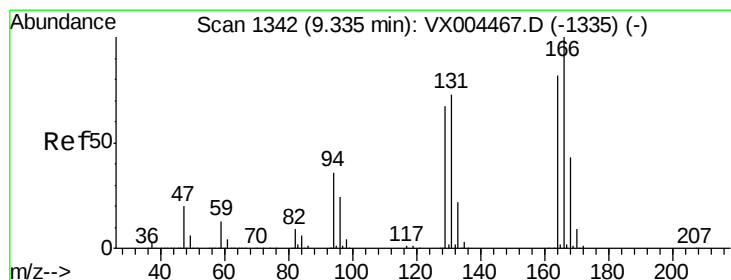
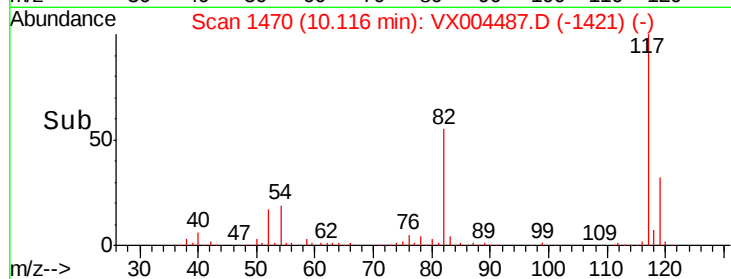
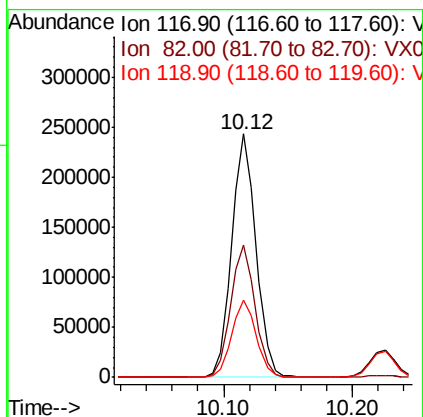
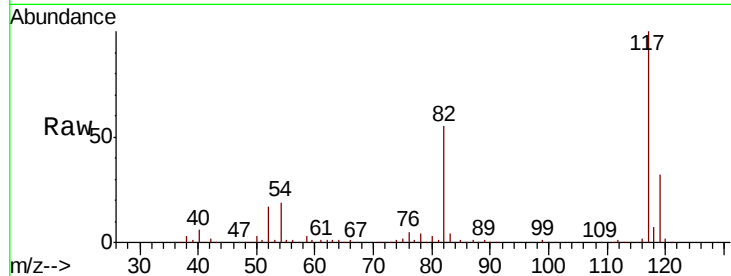




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

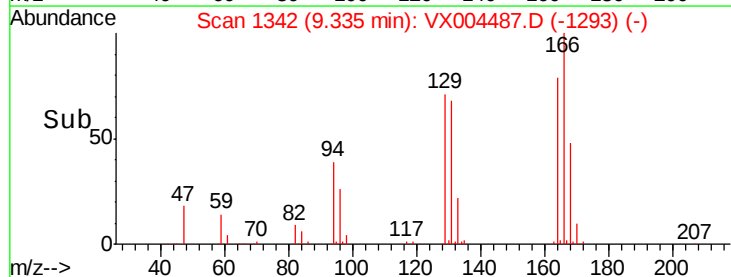
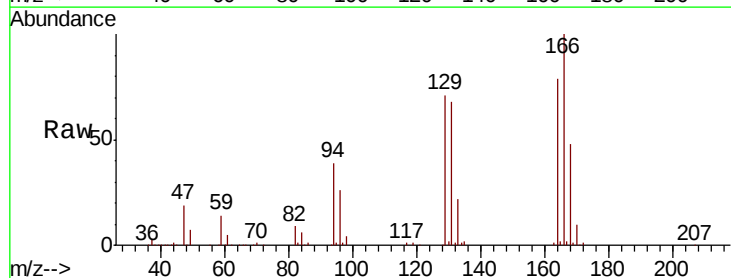
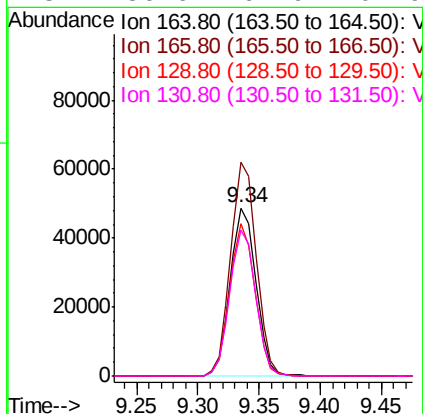
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

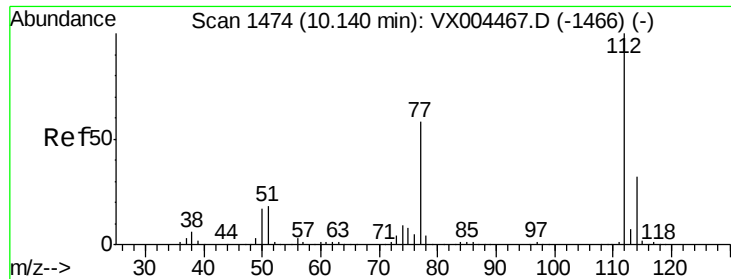
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	47.8	71.6
119	31.8	29.3	43.9



#64
Tetrachloroethene
Concen: 17.68 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.8	154.2
129	90.6	69.4	104.0
131	86.6	67.9	101.9

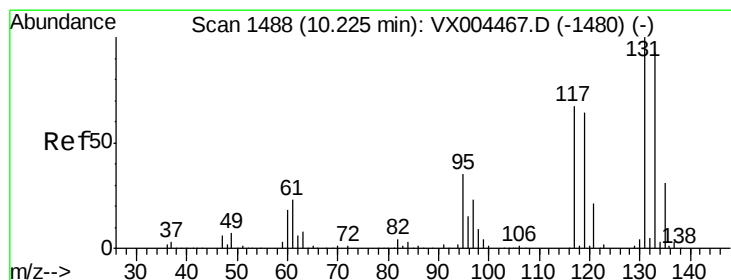
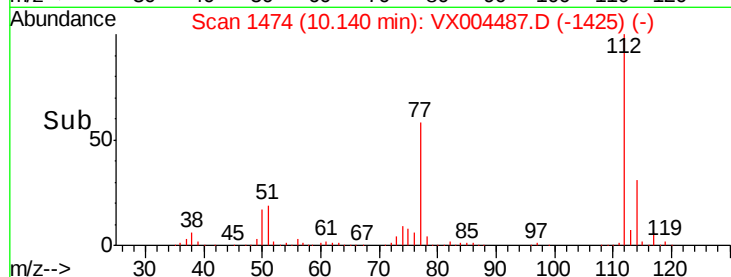
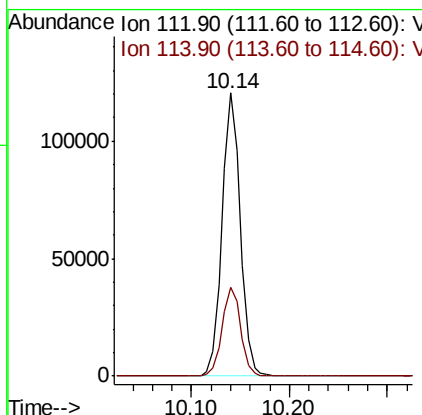
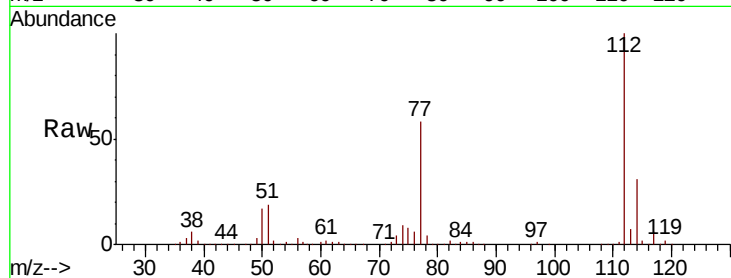




#65
Chlorobenzene
Concen: 19.54 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

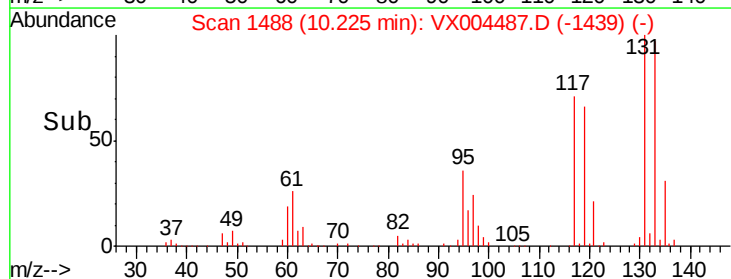
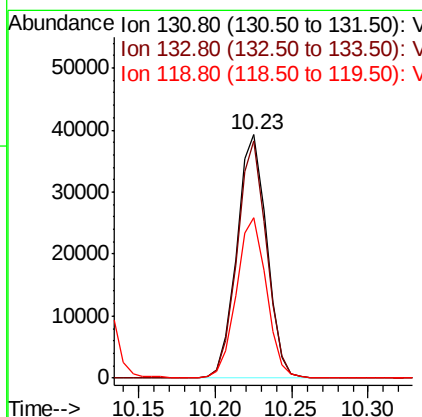
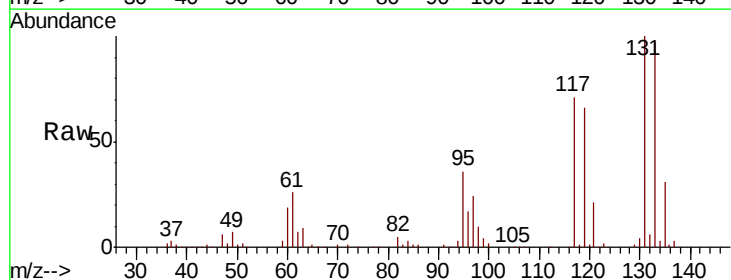
Instrument :
MSVOA_X
ClientSampled :
VX0912WBS01

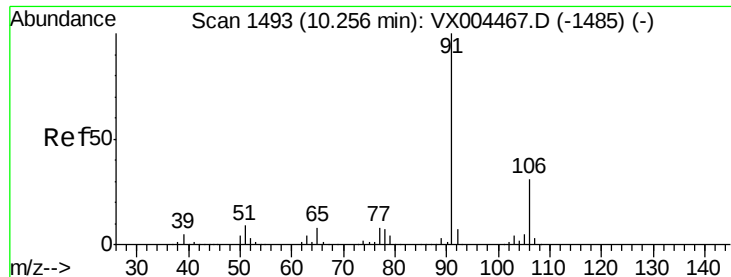
Tot Ion:112 Resp: 155903
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.40 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion:131 Resp: 53385
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 19.59 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

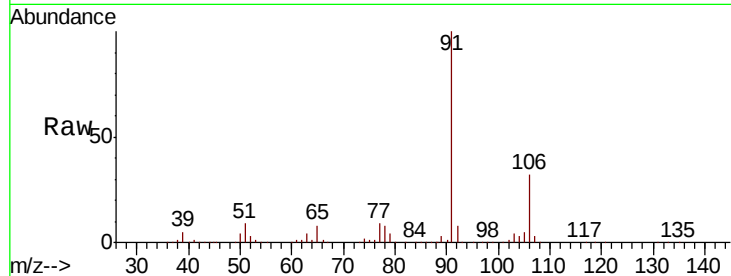
VX0912WBS01

Tot Ion: 91 Resp: 254150

Ion Ratio Lower Upper

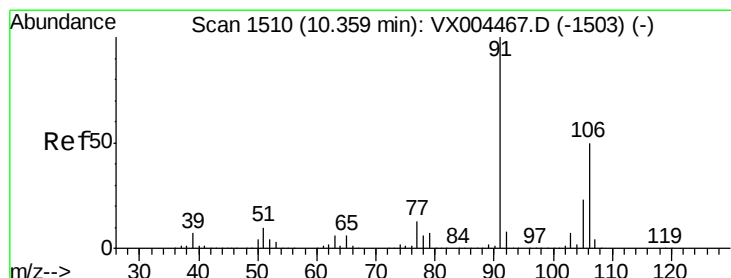
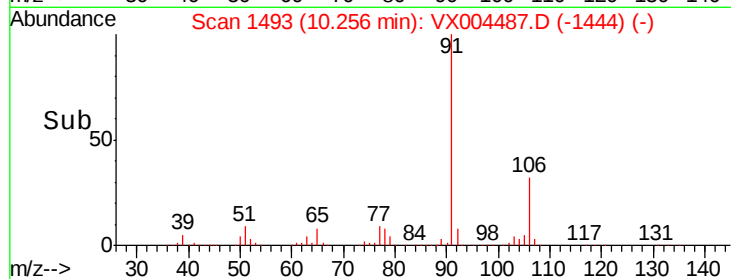
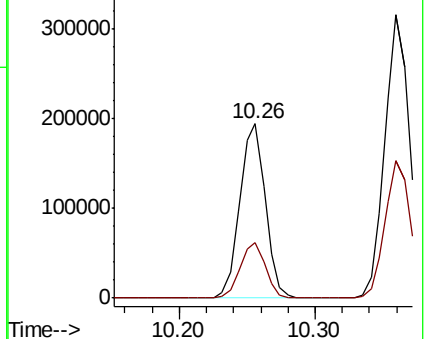
91 100

106 31.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 40.41 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004487.D

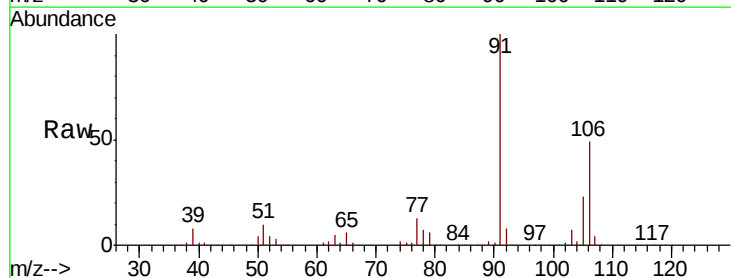
Acq: 12 Sep 2018 11:52

Tgt Ion: 106 Resp: 201981

Ion Ratio Lower Upper

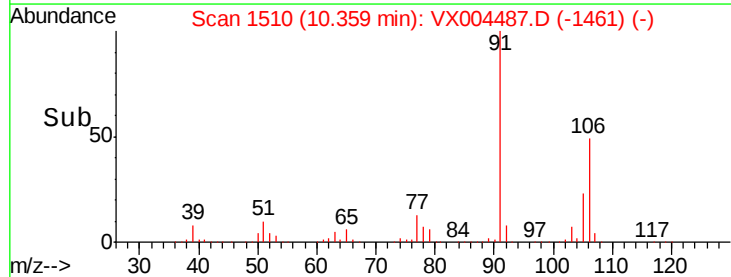
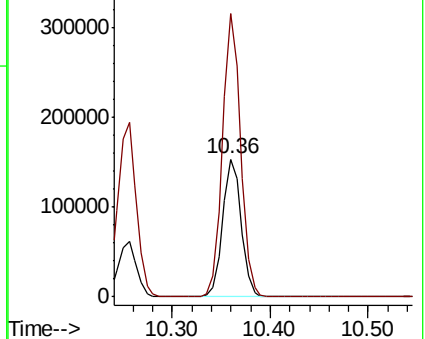
106 100

91 201.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX004467.D (-1503) (-)

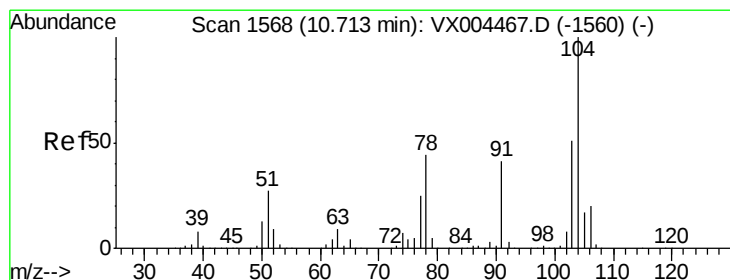
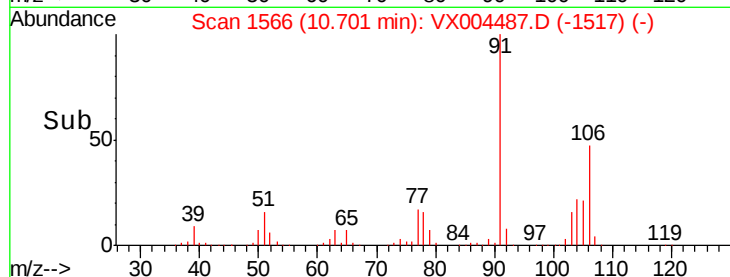
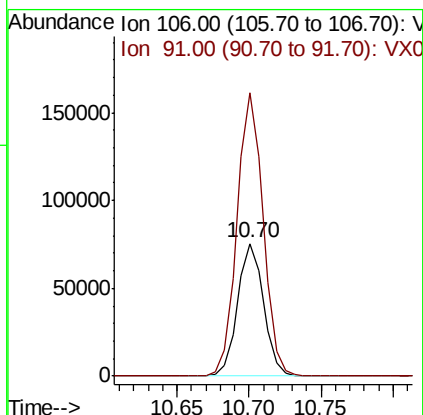
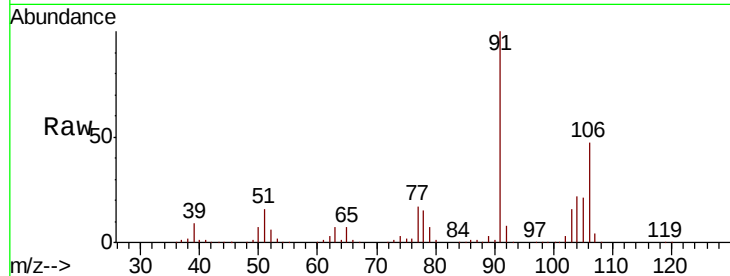




#69
o-Xylene
Concen: 19.77 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

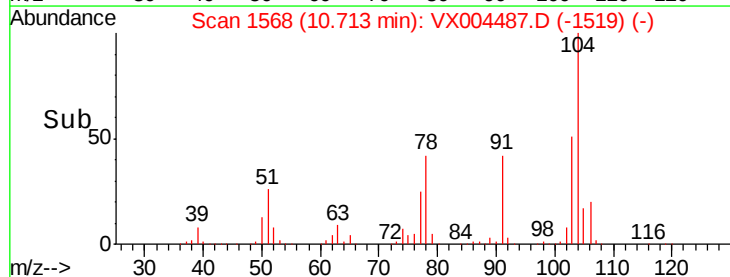
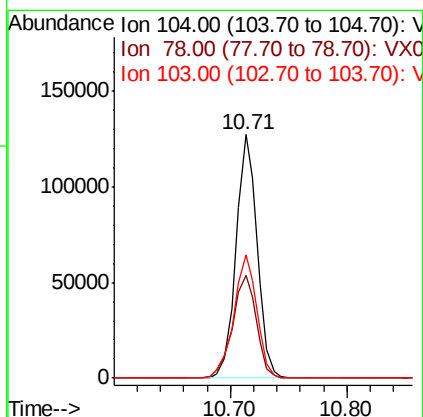
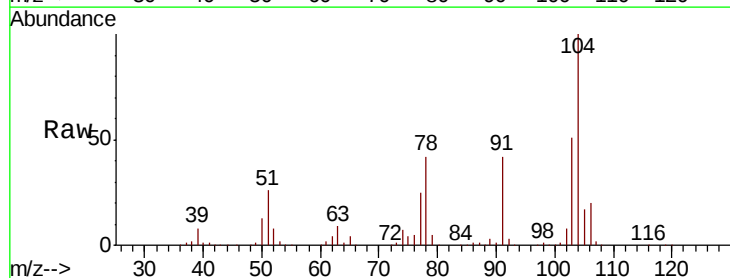
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

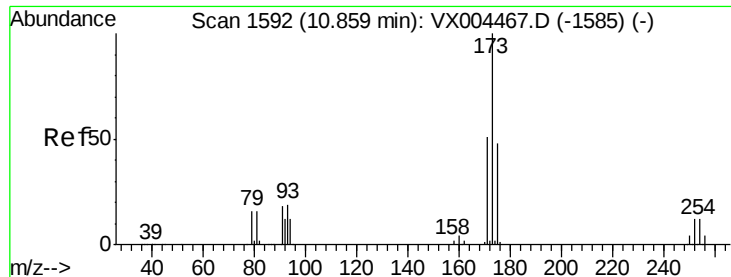
Tot Ion:106 Resp: 95014
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.1



#70
Styrene
Concen: 20.30 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion:104 Resp: 161620
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 55.3 43.8 65.6





#71

Bromoform

Concen: 18.92 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

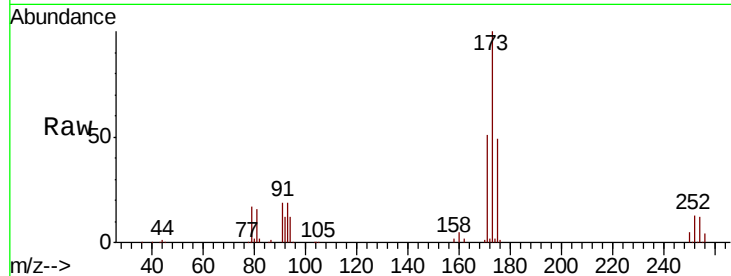
Tot Ion:173 Resp: 42752

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.3

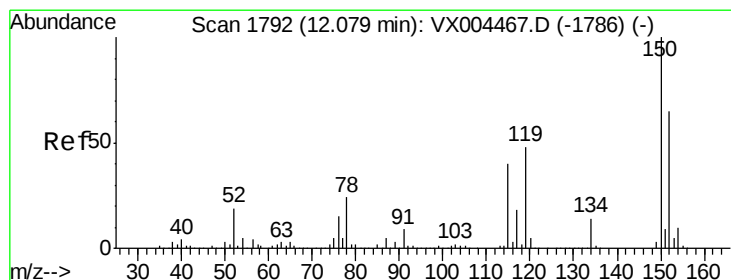
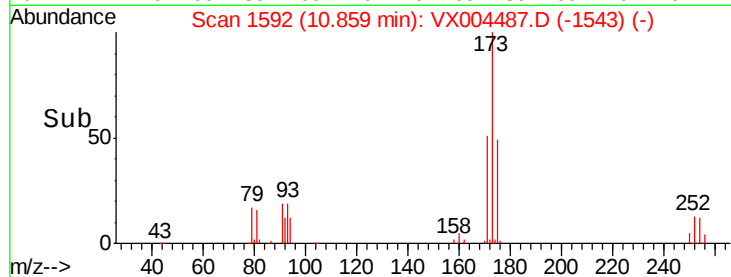
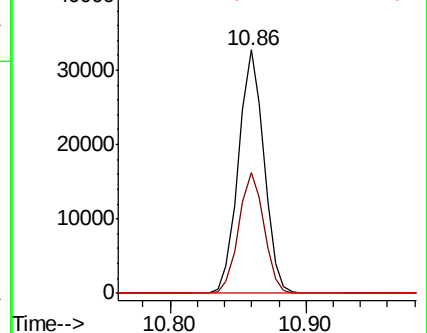
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

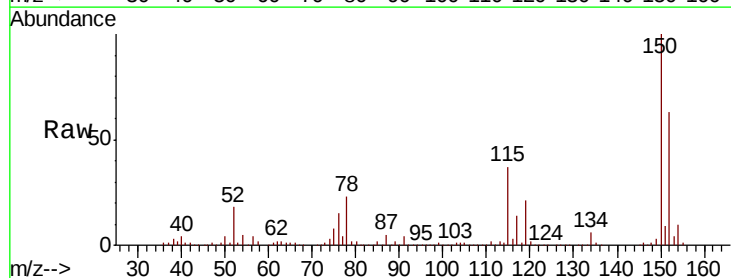
Tgt Ion:152 Resp: 192210

Ion Ratio Lower Upper

152 100

115 64.1 39.0 117.0

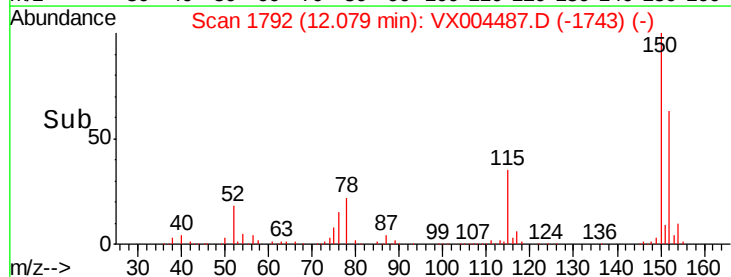
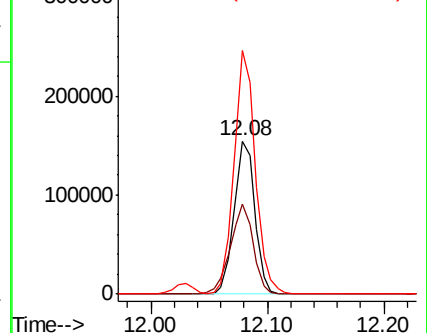
150 162.7 0.0 351.0

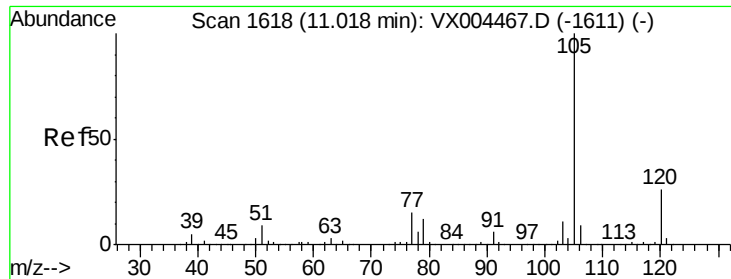


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.62 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

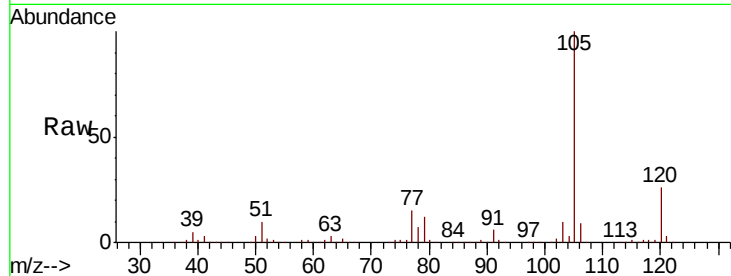
VX0912WBS01

Tot Ion:105 Resp: 261023

Ion Ratio Lower Upper

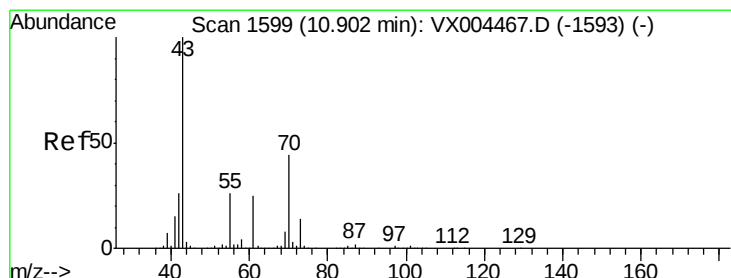
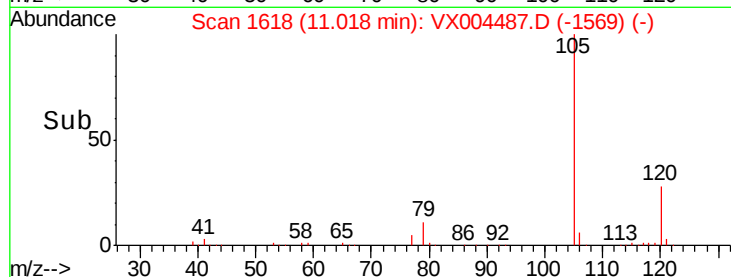
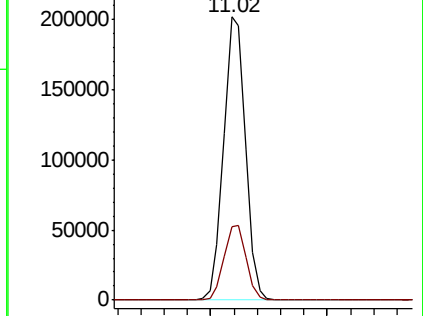
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.95 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion: 43 Resp: 106301

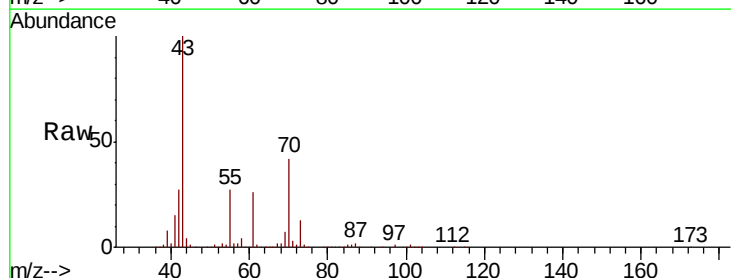
Ion Ratio Lower Upper

43 100

70 42.7 37.4 56.0

55 27.5 21.8 32.8

61 24.9 20.6 30.8

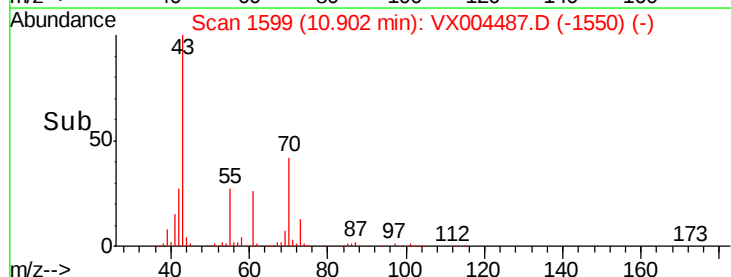
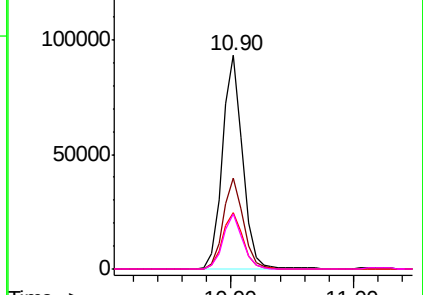


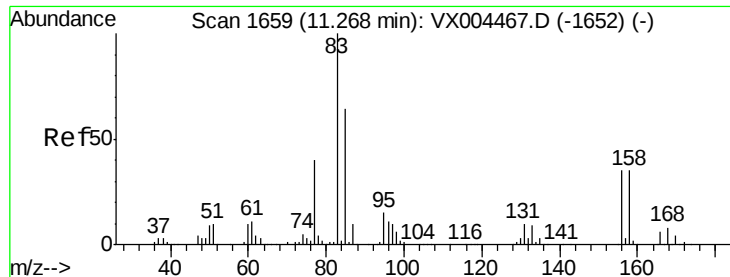
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

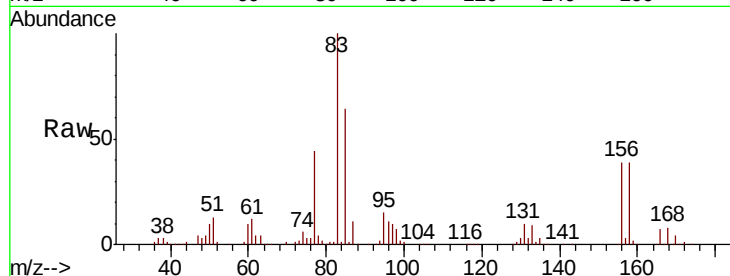
Tot Ion: 83 Resp: 81354

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

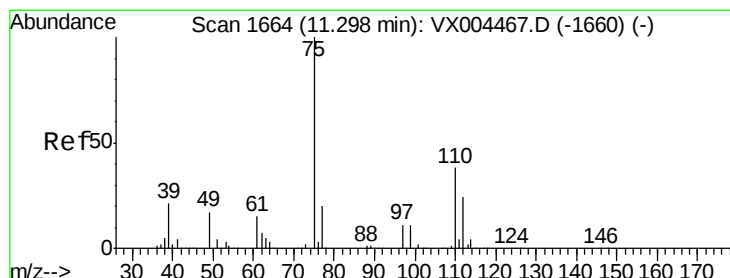
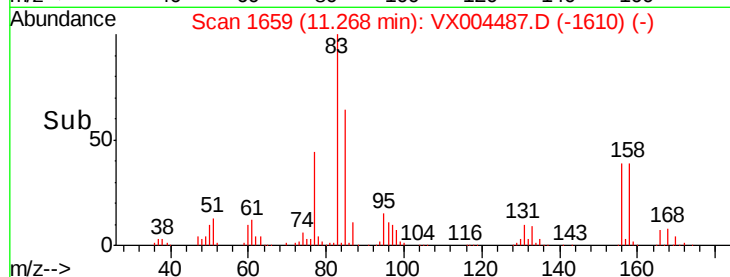
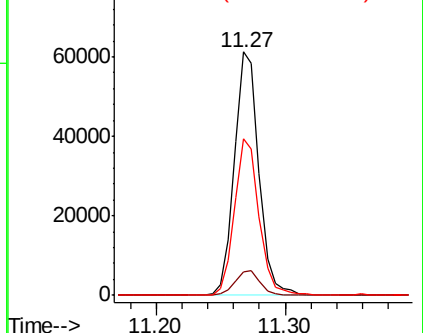
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.65 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004487.D

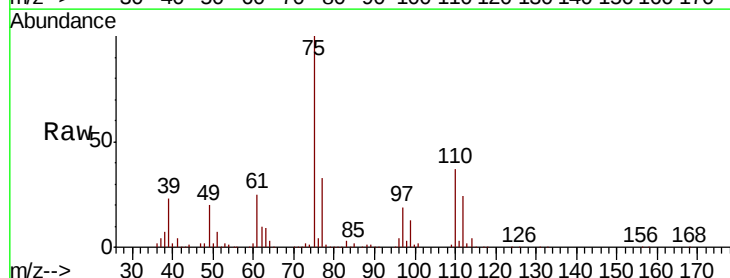
Acq: 12 Sep 2018 11:52

Tgt Ion: 75 Resp: 99199

Ion Ratio Lower Upper

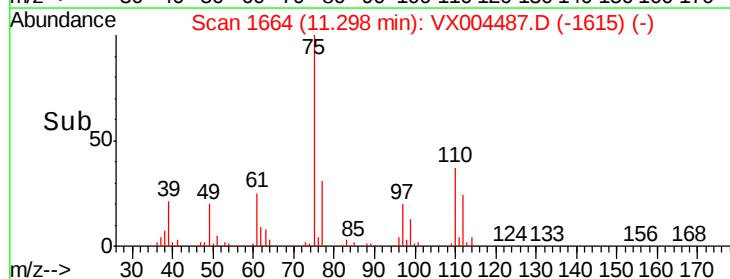
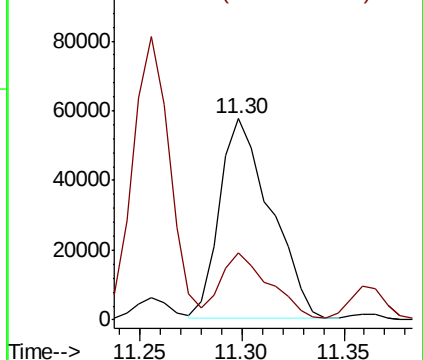
75 100

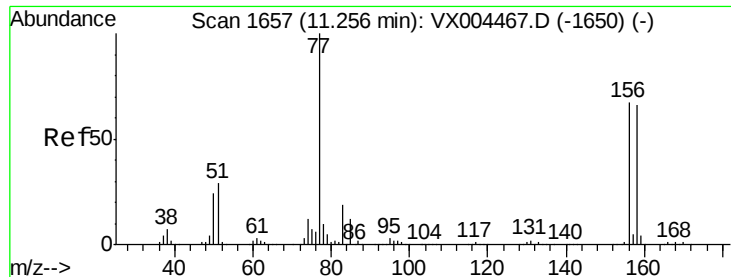
77 32.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0912WBS01

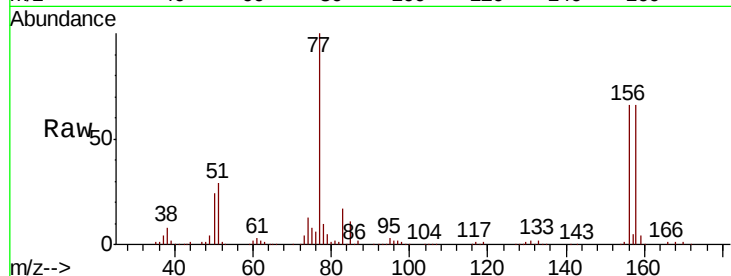
Tot Ion:156 Resp: 69493

Ion Ratio Lower Upper

156 100

77 148.1 71.5 214.3

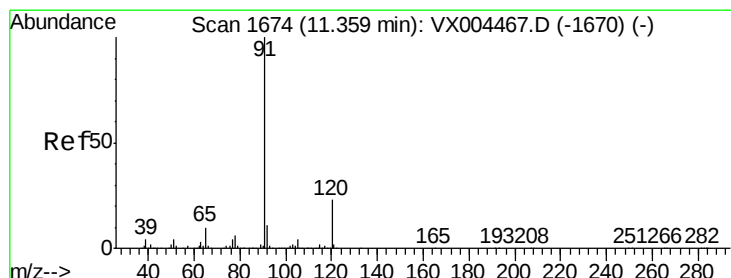
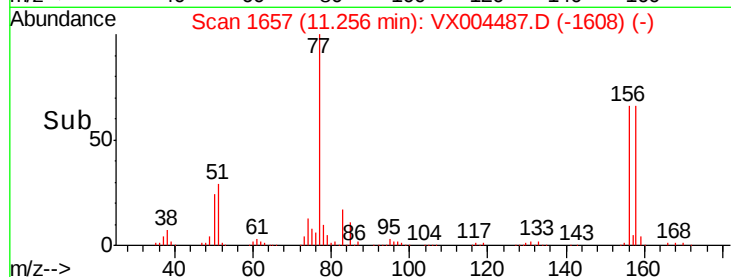
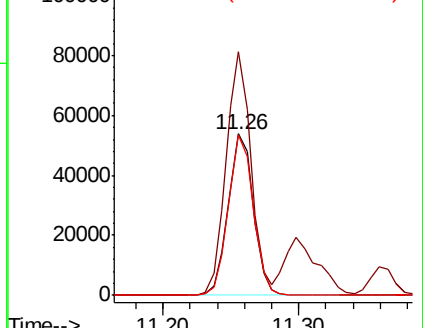
158 98.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.62 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004487.D

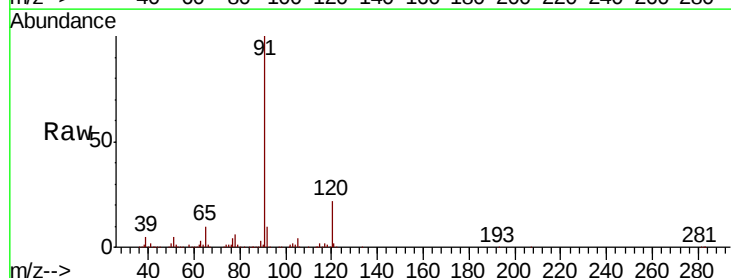
Acq: 12 Sep 2018 11:52

Tgt Ion: 91 Resp: 300077

Ion Ratio Lower Upper

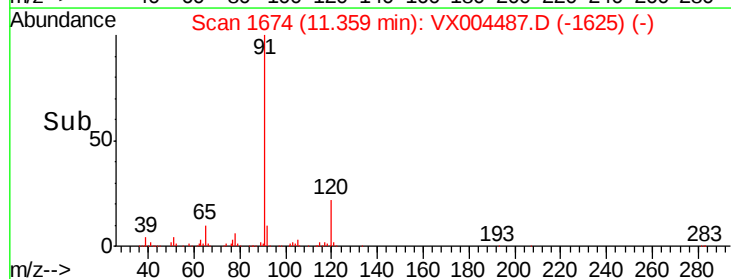
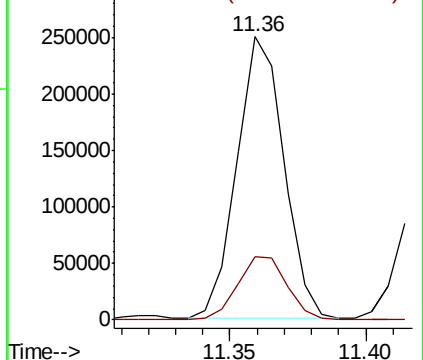
91 100

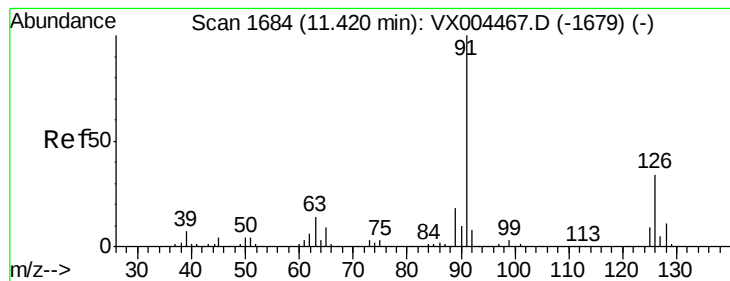
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.23 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

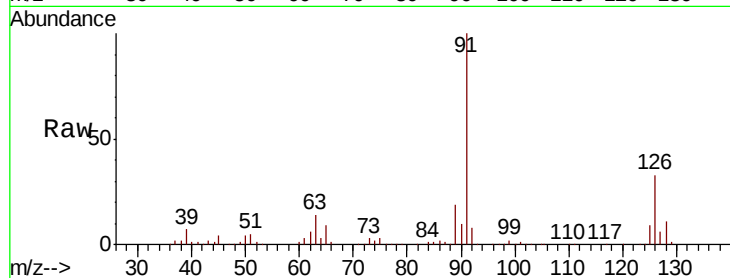
VX0912WBS01

Tot Ion: 91 Resp: 178590

Ion Ratio Lower Upper

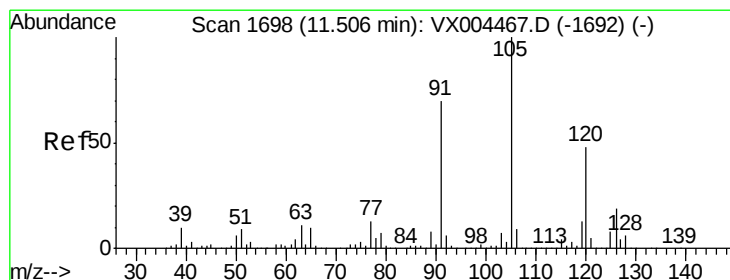
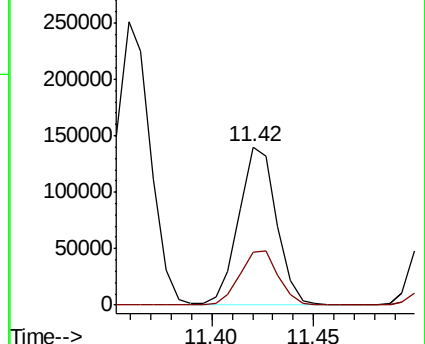
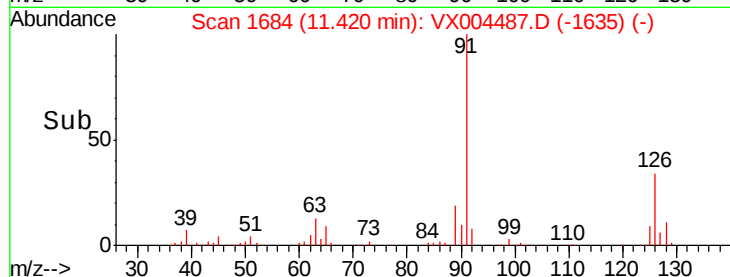
91 100

126 35.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004487.D

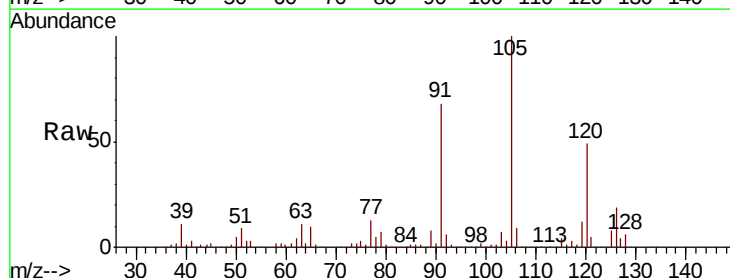
Acq: 12 Sep 2018 11:52

Tgt Ion:105 Resp: 218836

Ion Ratio Lower Upper

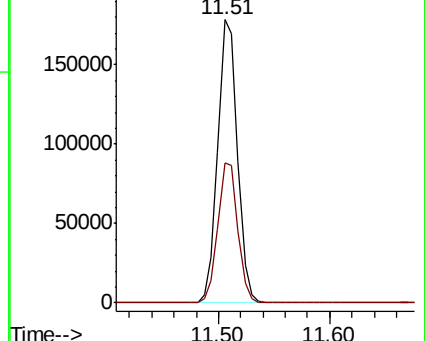
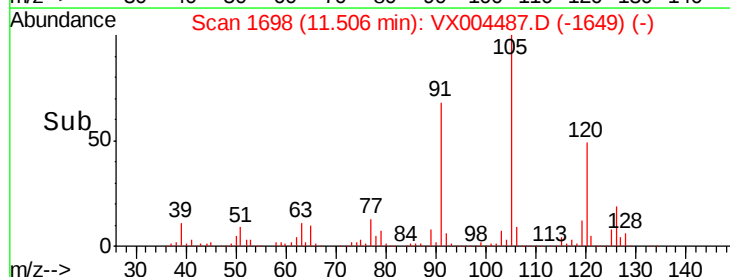
105 100

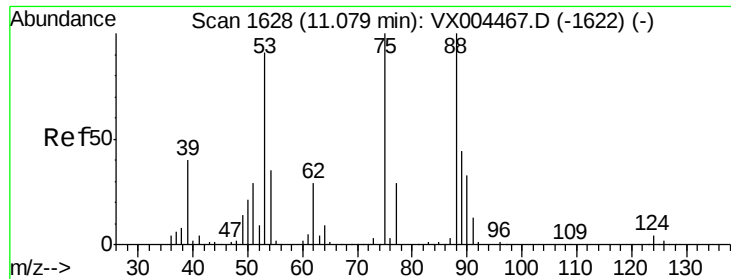
120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.17 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

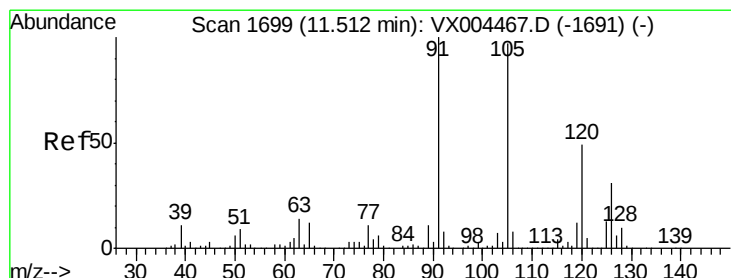
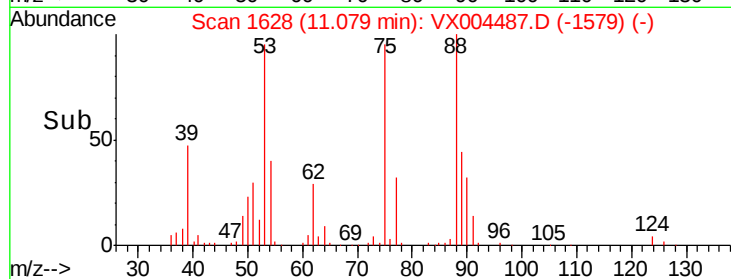
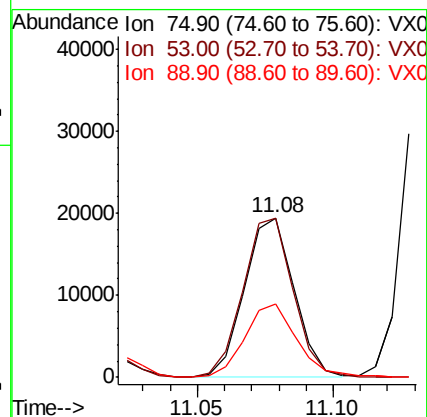
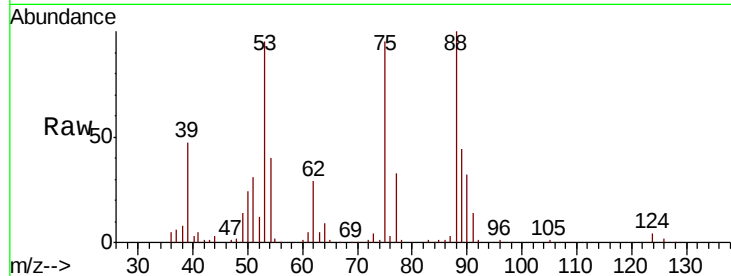
Tot Ion: 75 Resp: 24476

Ion Ratio Lower Upper

75 100

53 102.1 80.1 120.1

89 48.4 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.24 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004487.D

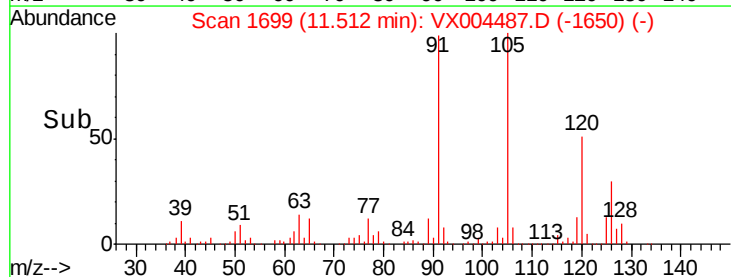
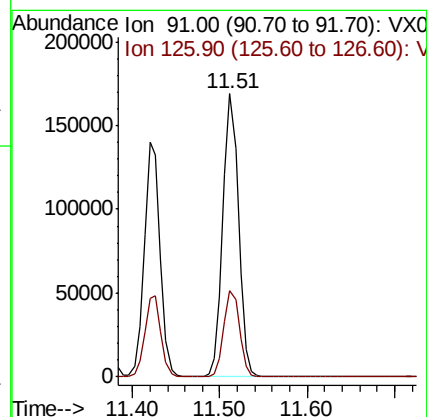
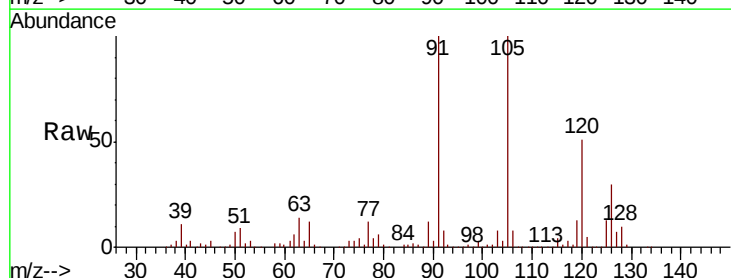
Acq: 12 Sep 2018 11:52

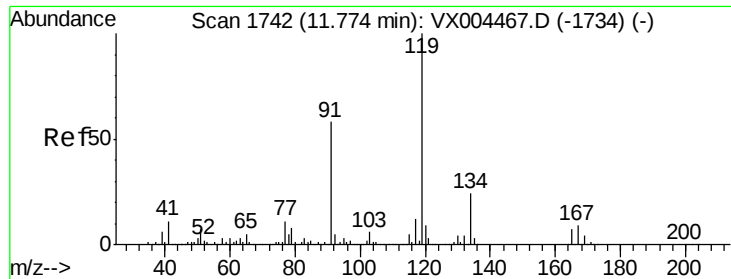
Tgt Ion: 91 Resp: 208524

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5

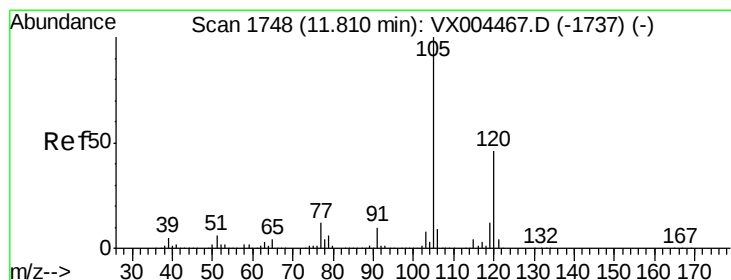
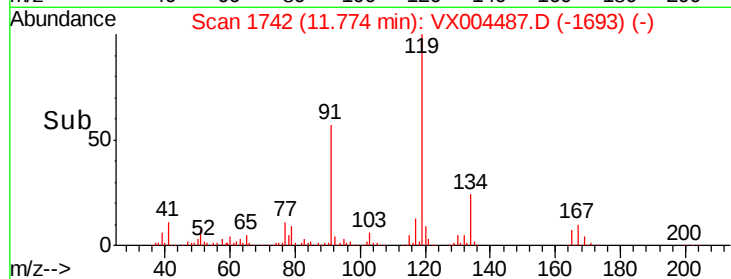
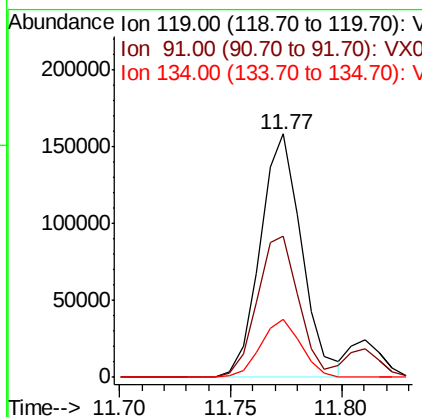
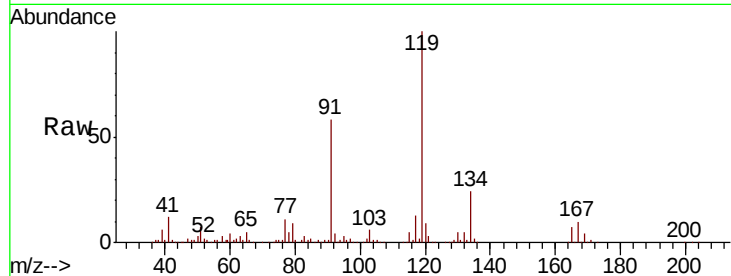




#83
 tert-Butylbenzene
 Concen: 20.18 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

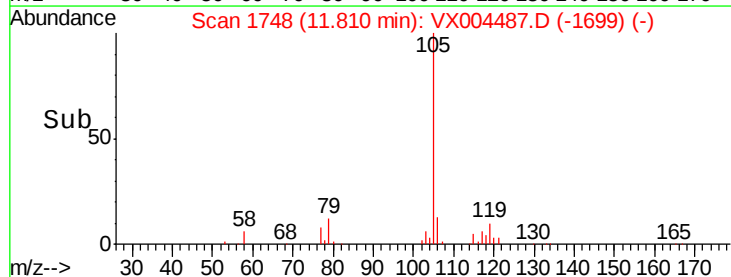
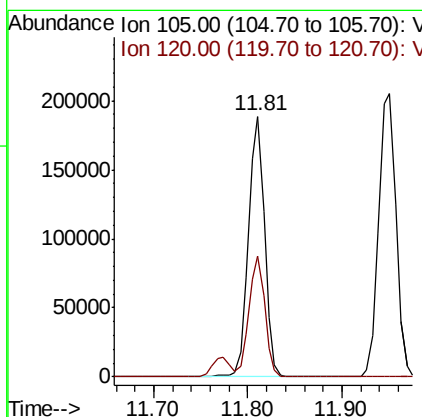
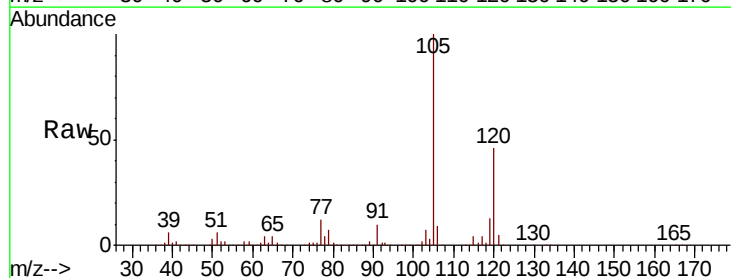
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

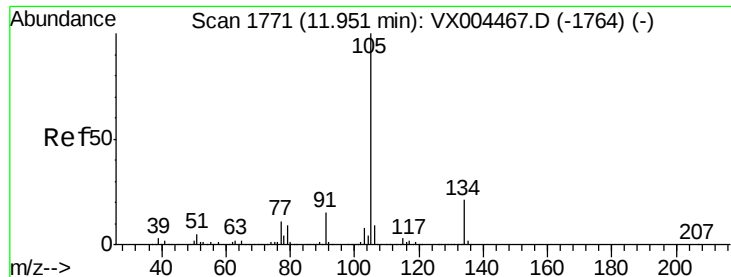
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	27.0	81.0
134	23.4	11.7	35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.80 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.30 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

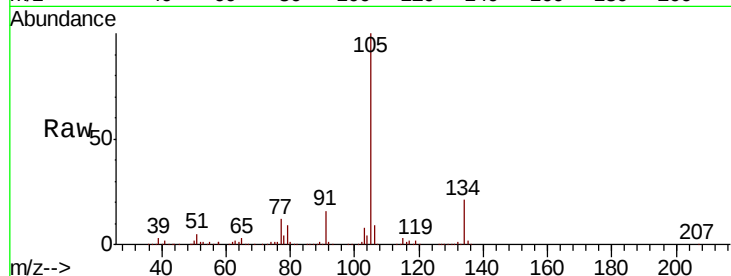
VX0912WBS01

Tot Ion:105 Resp: 262036

Ion Ratio Lower Upper

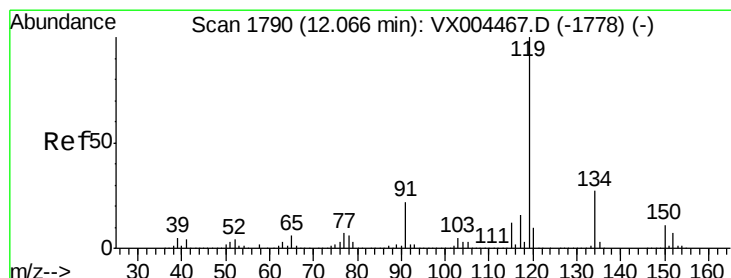
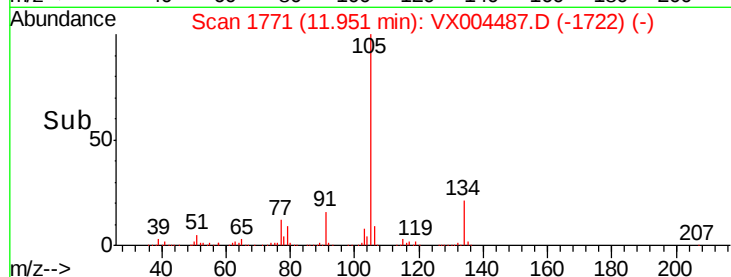
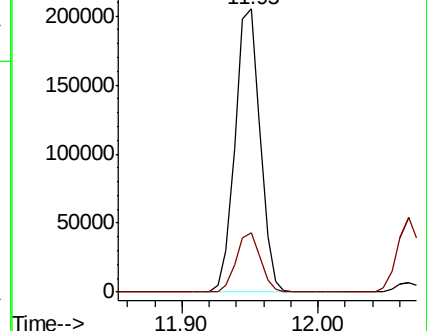
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.59 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

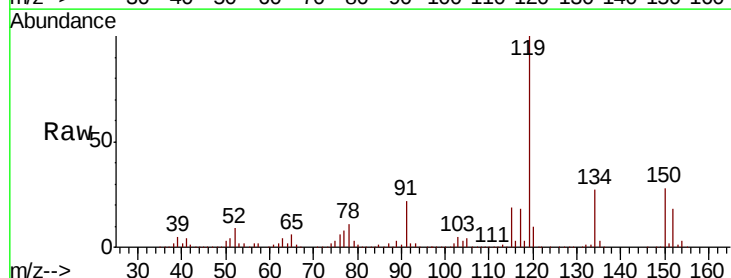
Tgt Ion:119 Resp: 234738

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

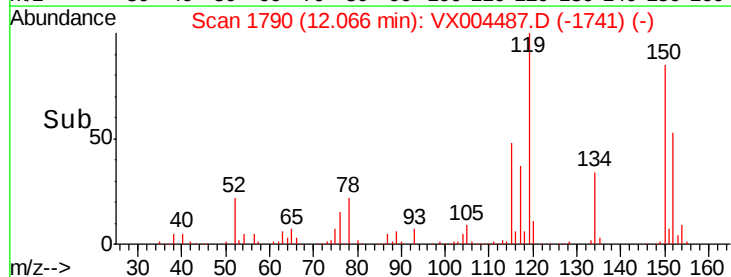
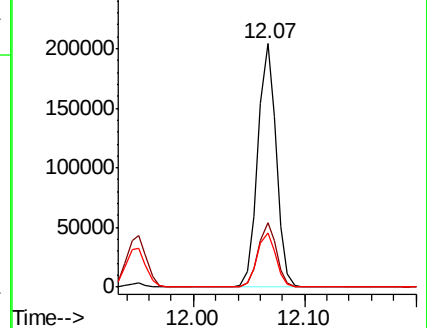
91 22.7 10.9 32.7

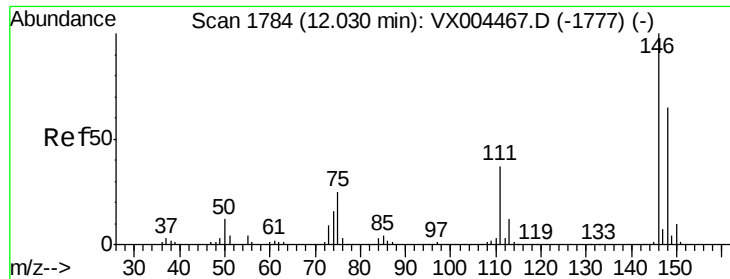


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

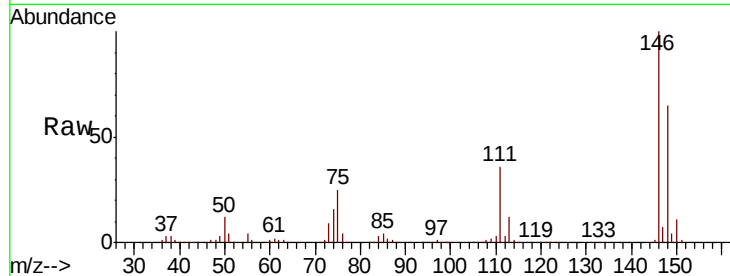




#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.8	32.1	96.5

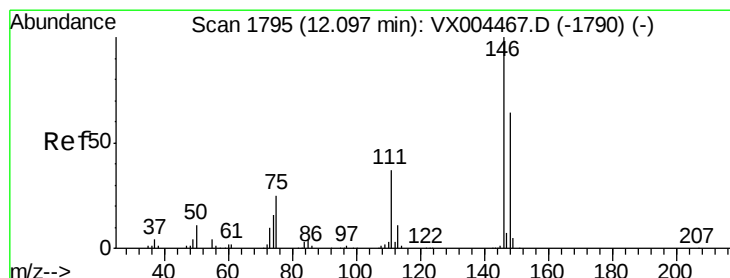
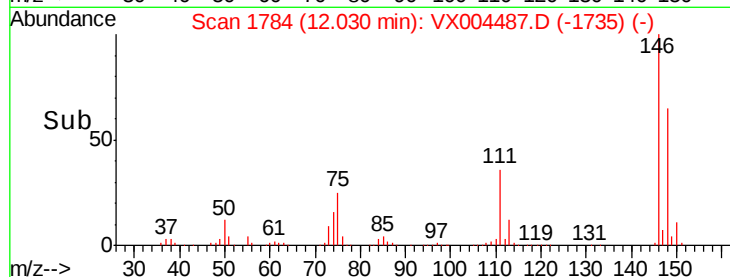
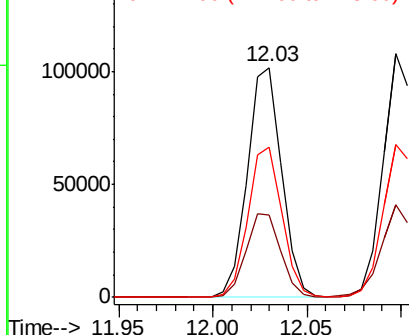


Abundance

Ion 145.90 (145.60 to 146.60): V

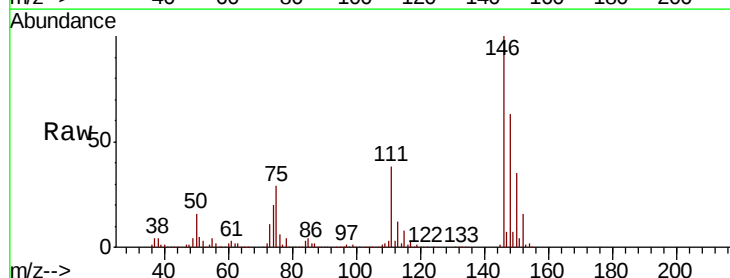
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 19.21 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	64.8	32.0	96.0

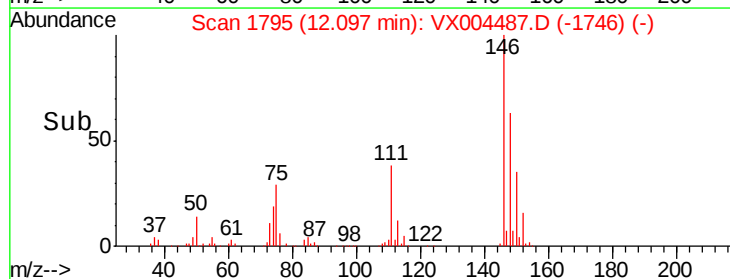
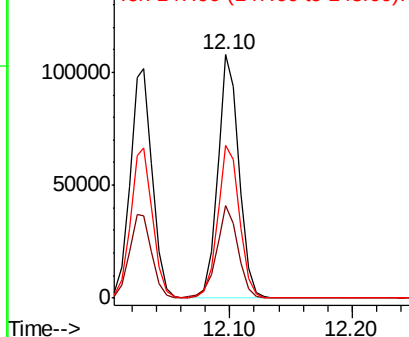


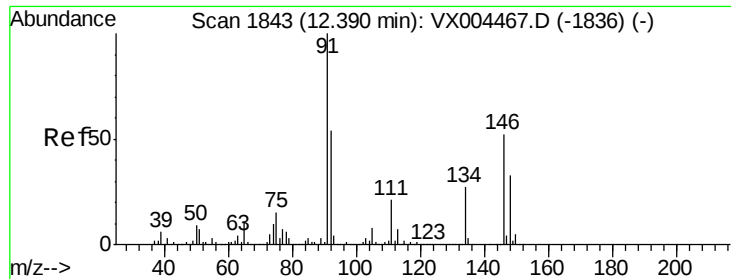
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

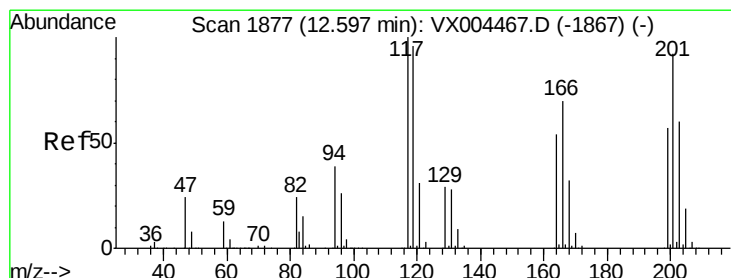
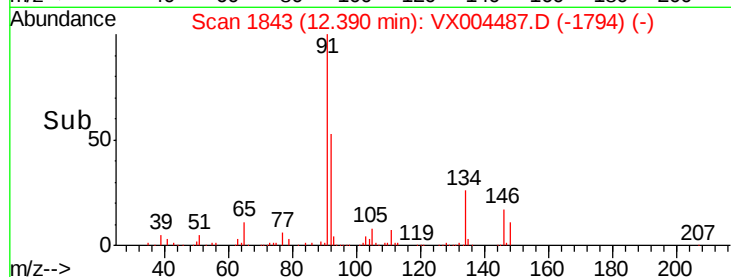
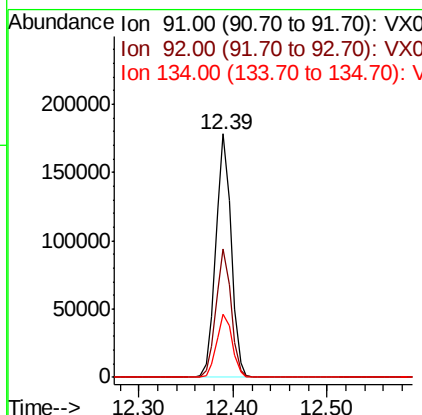
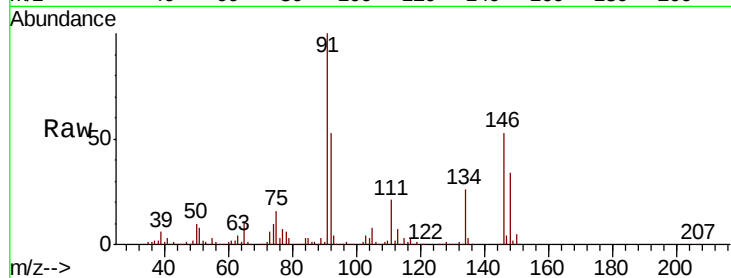




#89
n-Butylbenzene
Concen: 19.47 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

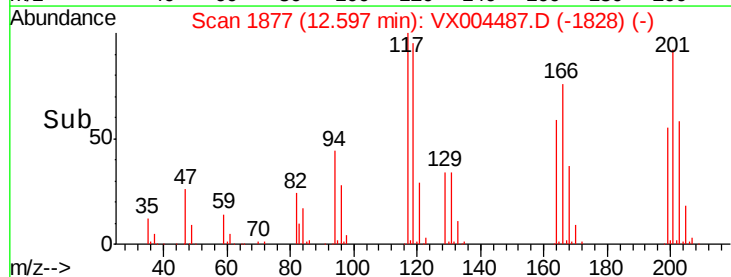
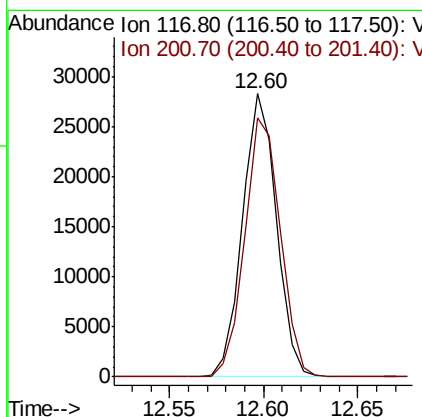
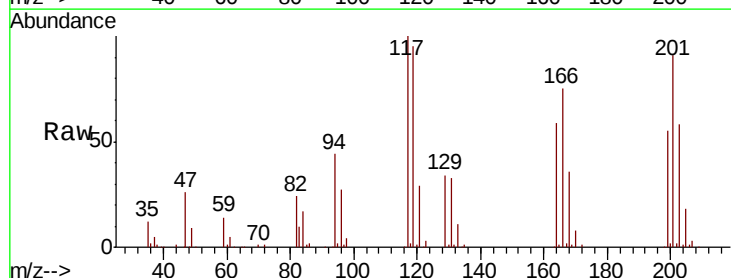
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

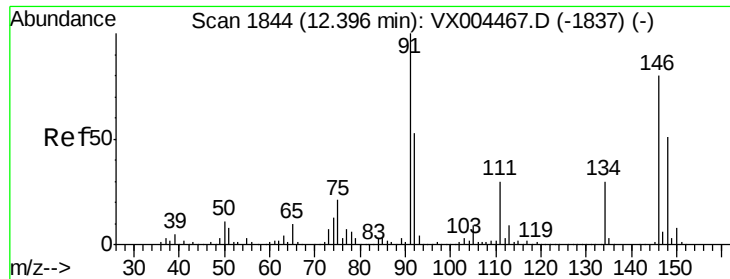
Tot Ion: 91 Resp: 202240
Ion Ratio Lower Upper
91 100
92 51.8 27.3 81.9
134 26.4 13.6 40.7



#90
Hexachloroethane
Concen: 19.31 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 117 Resp: 35235
Ion Ratio Lower Upper
117 100
201 96.2 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.73 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

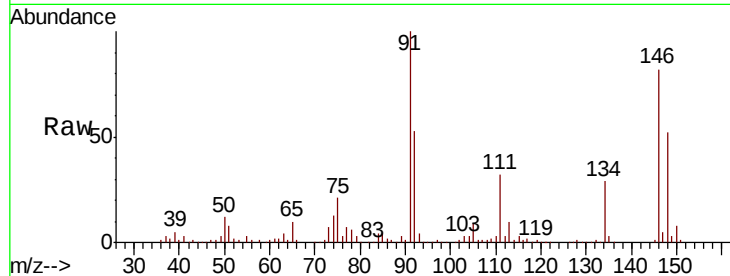
Tot Ion:146 Resp: 130388

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.1

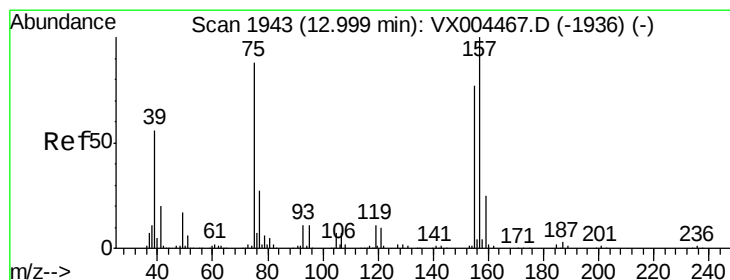
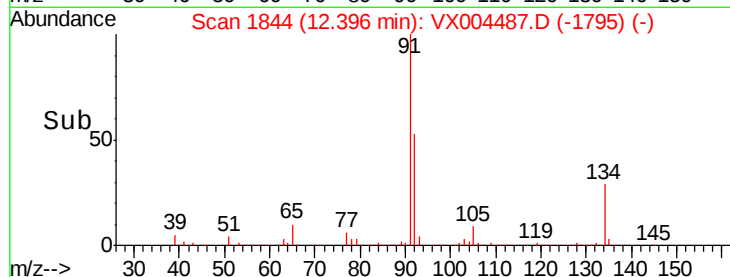
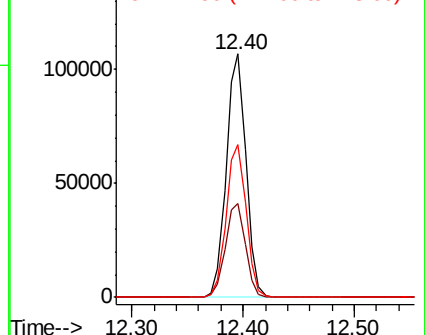
148 63.5 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.91 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

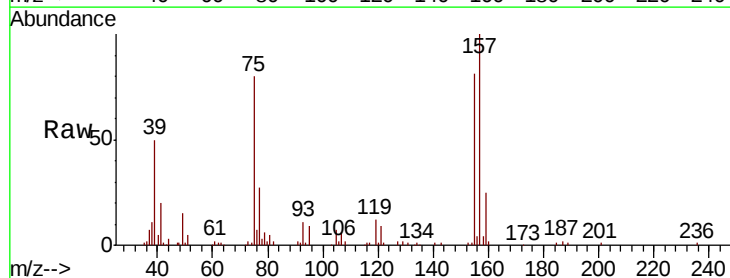
Tgt Ion: 75 Resp: 18228

Ion Ratio Lower Upper

75 100

155 92.6 48.0 144.2

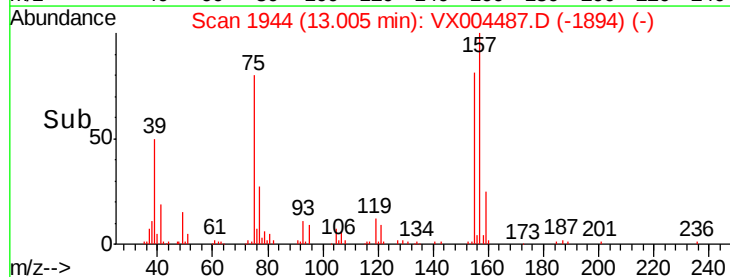
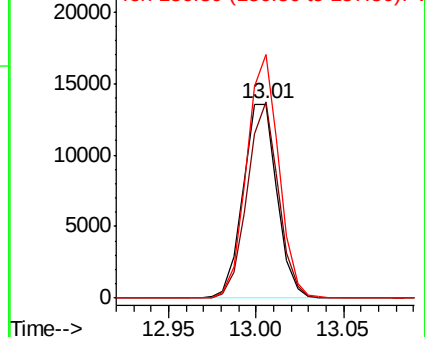
157 118.7 61.4 184.1

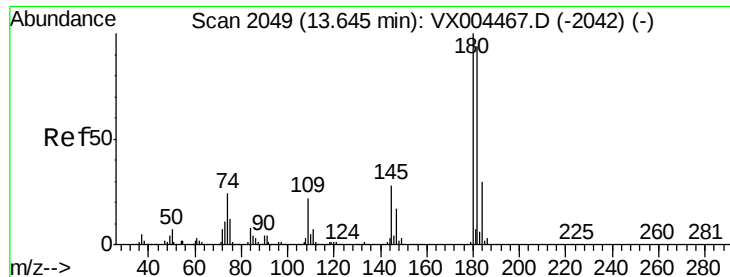


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

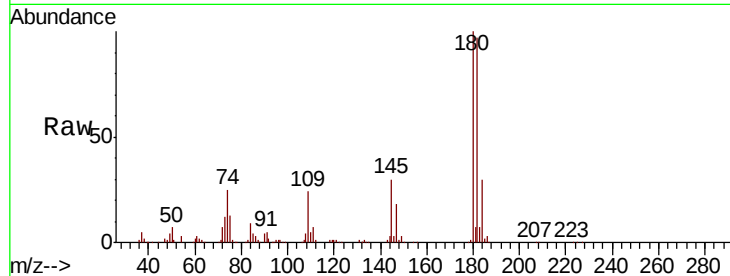




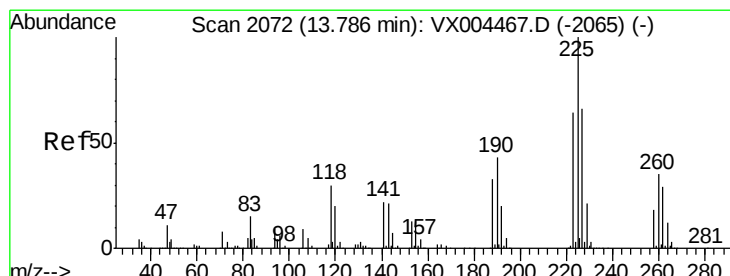
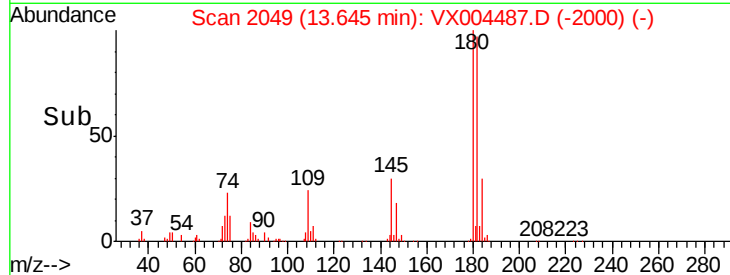
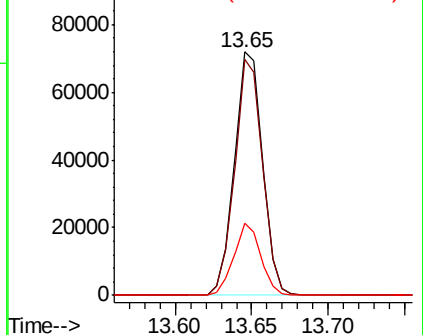
#93
 1,2,4-Trichlorobenzene
 Concen: 19.53 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.0
145	28.3	14.3	42.9

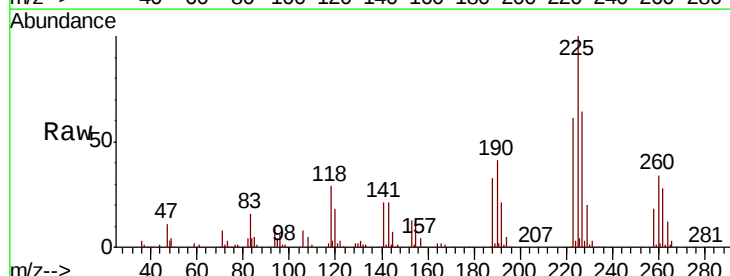


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

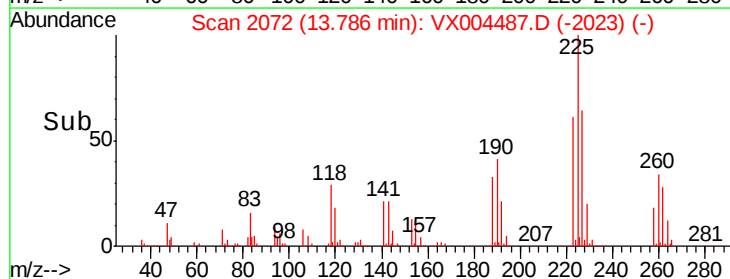
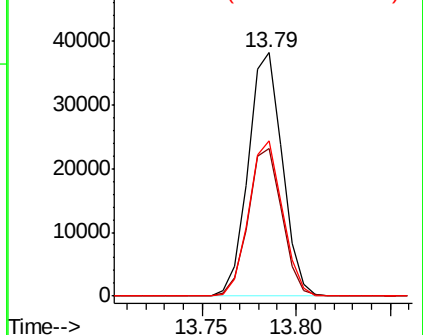


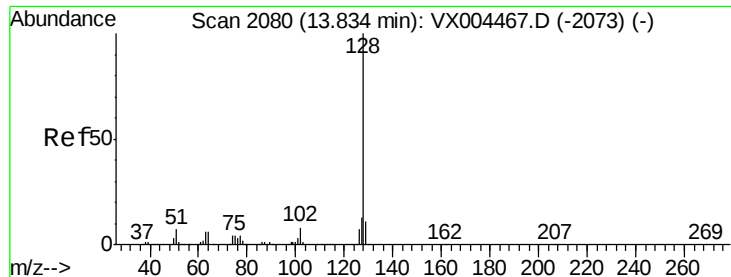
#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.1	90.5
227	63.0	30.8	92.4



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

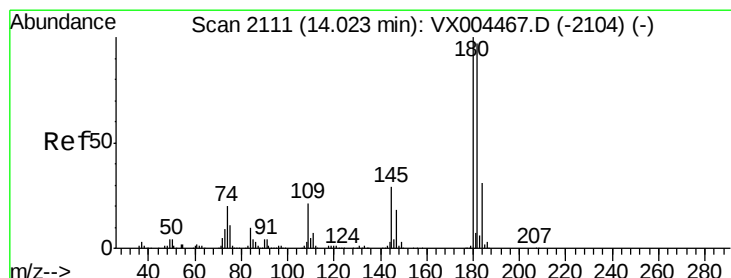
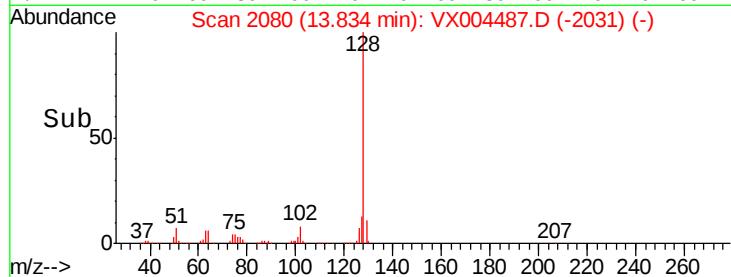
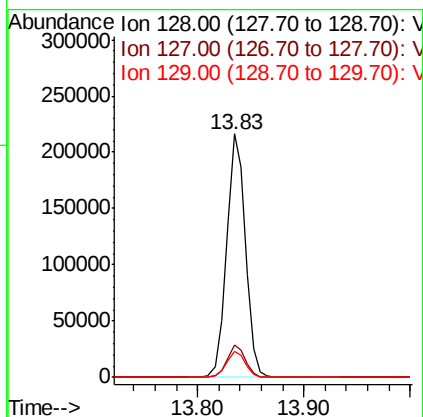
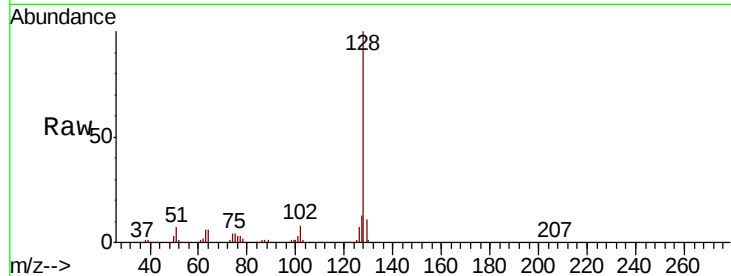




#95
Naphthalene
Concen: 20.31 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.62 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.6
145	29.5	14.9	44.9

