

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003463.D
 Acq On : 19 Jul 2018 13:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 31 15:12:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	454243	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243766	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	20654	5.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.06%	
35) Dibromofluoromethane	5.50	113	17894	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	8.72	98	68007	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	11.14	95	23805	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	16290	5.87	ug/l	97
3) Chloromethane	1.32	50	18733	4.97	ug/l	98
4) Vinyl Chloride	1.41	62	21076	5.26	ug/l	93
5) Bromomethane	1.64	94	10118	4.06	ug/l	99
6) Chloroethane	1.71	64	13232	5.58	ug/l	97
7) Trichlorofluoromethane	1.93	101	27771	5.19	ug/l	95
8) Diethyl Ether	2.19	74	12093	5.26	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18442	5.27	ug/l	96
10) Methyl Iodide	2.51	142	20133	4.79	ug/l	94
11) Tert butyl alcohol	3.07	59	20251	27.39	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16411	5.09	ug/l	97
13) Acrolein	2.29	56	8379	25.08	ug/l	97
14) Allyl chloride	2.73	41	29435	5.16	ug/l	87
15) Acrylonitrile	3.15	53	48699	25.87	ug/l	98
16) Acetone	2.45	43	36034	25.53	ug/l #	85
17) Carbon Disulfide	2.57	76	47532	5.45	ug/l #	94
18) Methyl Acetate	2.78	43	21921	4.93	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	55413	5.26	ug/l	99
20) Methylene Chloride	2.85	84	19744	4.94	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	18495	5.16	ug/l	90
22) Diisopropyl ether	3.87	45	56798	5.29	ug/l	96
23) Vinyl Acetate	3.82	43	231854	26.21	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	33240	5.28	ug/l	98
25) 2-Butanone	4.71	43	60091	25.38	ug/l	91
26) 2,2-Dichloropropane	4.57	77	24145	5.05	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	20276	5.08	ug/l #	1
28) Bromochloromethane	5.01	49	14615	5.31	ug/l	85
29) Tetrahydrofuran	5.17	42	39640	25.34	ug/l	92
30) Chloroform	5.21	83	31764	5.16	ug/l	97
31) Cyclohexane	5.57	56	27643	4.91	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	26304	4.99	ug/l	95
36) 1,1-Dichloropropene	5.79	75	24303	4.96	ug/l	97
37) Ethyl Acetate	4.86	43	24268	5.23	ug/l #	89
38) Carbon Tetrachloride	5.79	117	22755	4.73	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 31 15:12:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27411	4.72	ug/l	97
40) Benzene	6.15	78	74435	5.03	ug/l	98
41) Methacrylonitrile	5.06	41	13315	4.88	ug/l	93
42) 1,2-Dichloroethane	6.20	62	23955	5.13	ug/l	93
43) Isopropyl Acetate	6.47	43	36281	4.91	ug/l #	93
44) Trichloroethene	7.21	130	22365	5.06	ug/l	100
45) 1,2-Dichloropropane	7.52	63	18984	5.05	ug/l	99
46) Dibromomethane	7.67	93	12073	4.99	ug/l	95
47) Bromodichloromethane	7.90	83	21027	4.75	ug/l	96
48) Methyl methacrylate	7.78	41	17663	4.74	ug/l	86
49) 1,4-Dioxane	7.76	88	8706	103.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	115099	24.68	ug/l	93
52) Toluene	8.79	92	46806	5.02	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	25107	4.60	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	21523	4.39	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	18609	5.02	ug/l	92
56) Ethyl methacrylate	9.18	69	24002	4.59	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	30318	5.06	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	61520	24.22	ug/l	97
59) 2-Hexanone	9.50	43	84127	24.35	ug/l	90
60) Dibromochloromethane	9.59	129	16359	4.46	ug/l	98
61) 1,2-Dibromoethane	9.68	107	18628	4.85	ug/l	99
64) Tetrachloroethene	9.34	164	26048	5.13	ug/l	96
65) Chlorobenzene	10.14	112	53925	5.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	17626	4.77	ug/l	99
67) Ethyl Benzene	10.26	91	84751	4.91	ug/l	99
68) m/p-Xylenes	10.36	106	65559	9.69	ug/l	95
69) o-Xylene	10.70	106	31155	4.76	ug/l	99
70) Styrene	10.71	104	50503	4.69	ug/l	97
71) Bromoform	10.86	173	12526	4.37	ug/l #	97
73) Isopropylbenzene	11.02	105	84766	5.03	ug/l	99
74) N-amyl acetate	6.47	43	36281	5.07	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	25566	5.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	28262	6.45	ug/l	80
77) Bromobenzene	11.26	156	24217	4.99	ug/l	96
78) n-propylbenzene	11.36	91	91825	4.90	ug/l	99
79) 2-Chlorotoluene	11.42	91	57480	5.05	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	68543	4.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	5925	6.03	ug/l	96
82) 4-Chlorotoluene	11.51	91	65700	4.93	ug/l	97
83) tert-Butylbenzene	11.77	119	65953	4.86	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	69143	4.90	ug/l	97
85) sec-Butylbenzene	11.95	105	81602	4.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	71241	4.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	44784	5.02	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	45484	4.95	ug/l	97
89) n-Butylbenzene	12.39	91	57614	4.59	ug/l	99
90) Hexachloroethane	12.60	117	9439	4.49	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	43930	5.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4411	4.59	ug/l	89

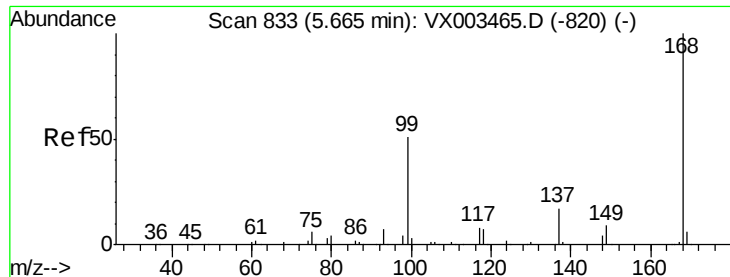
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003463.D
Acq On : 19 Jul 2018 13:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jul 31 15:12:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30233	4.70	ug/l	97
94) Hexachlorobutadiene	13.79	225	15017	4.85	ug/l	97
95) Naphthalene	13.83	128	77164	4.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	30233	4.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

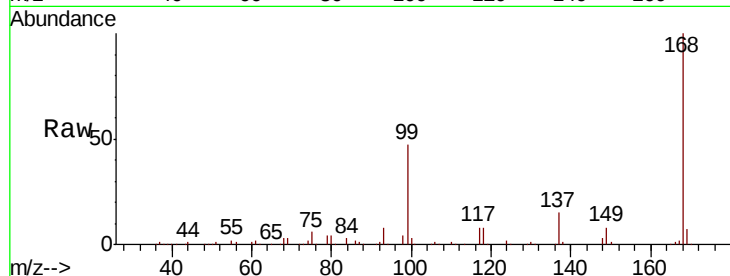
VSTDIC005

Tot Ion:168 Resp: 315646

Ion Ratio Lower Upper

168 100

99 47.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

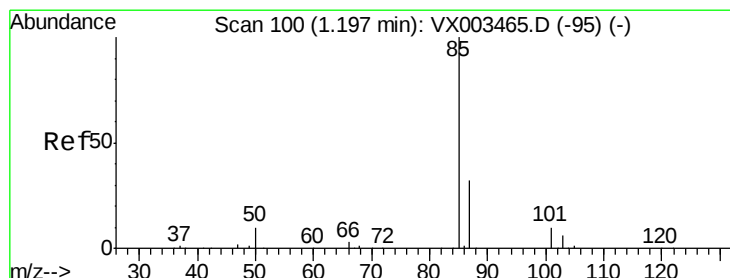
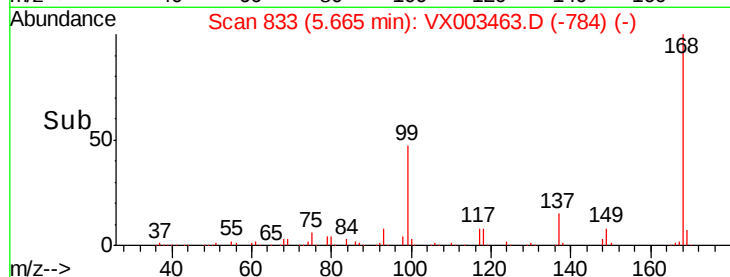
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.87 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003463.D

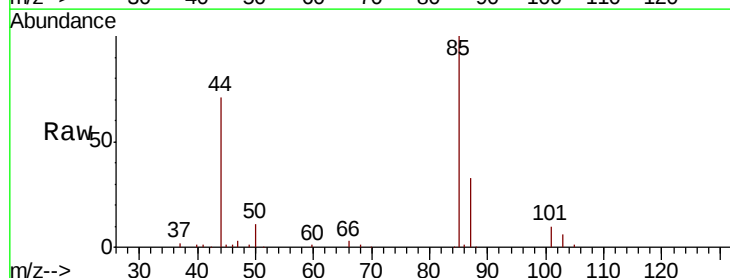
Acq: 19 Jul 2018 13:29

Tgt Ion: 85 Resp: 16290

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

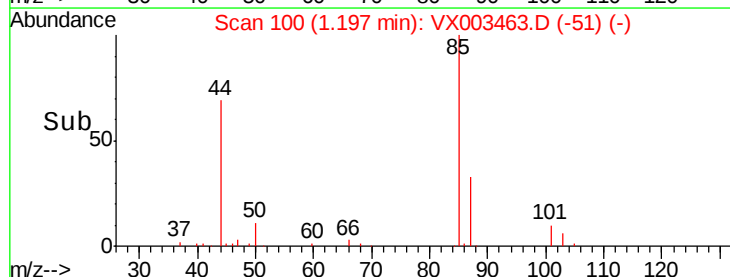
15000

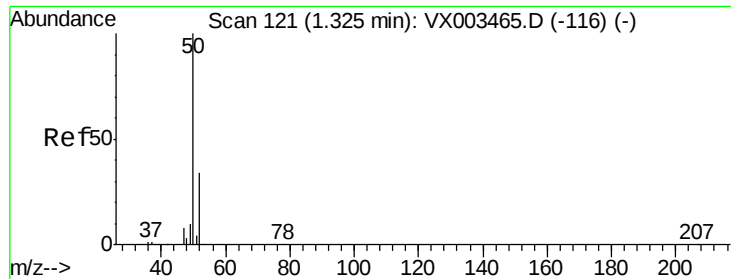
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

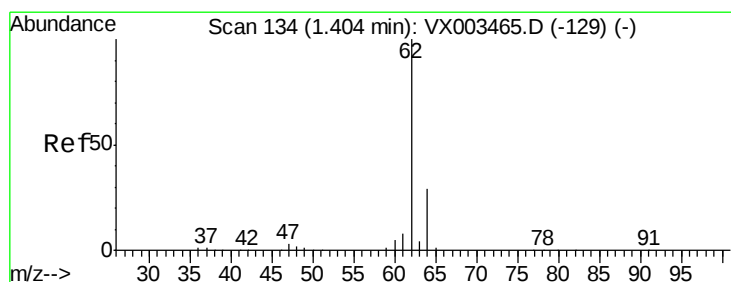
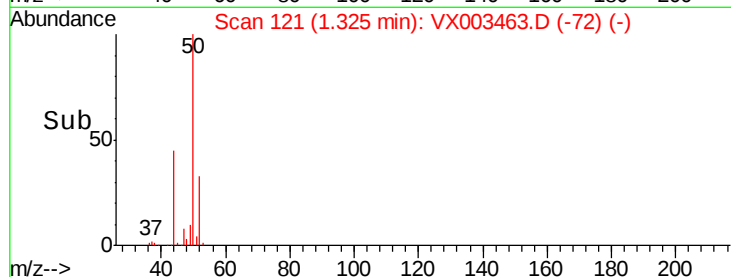
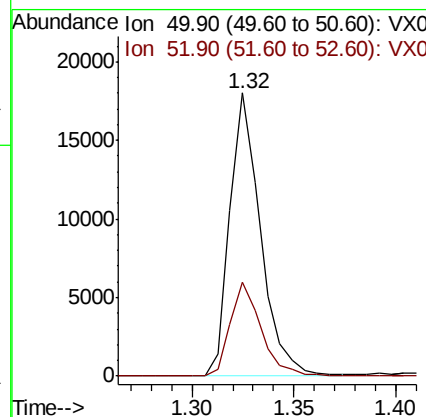
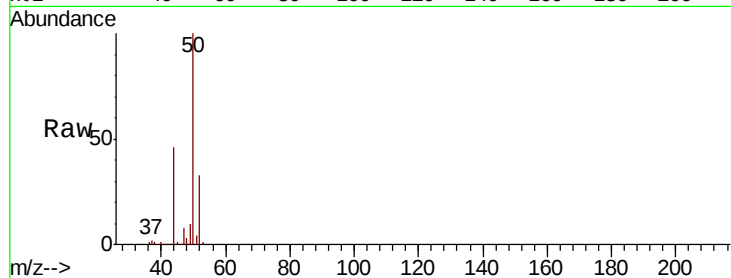
VSTDIC005

Tot Ion: 50 Resp: 18733

Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



#4

Vinyl Chloride

Concen: 5.26 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003463.D

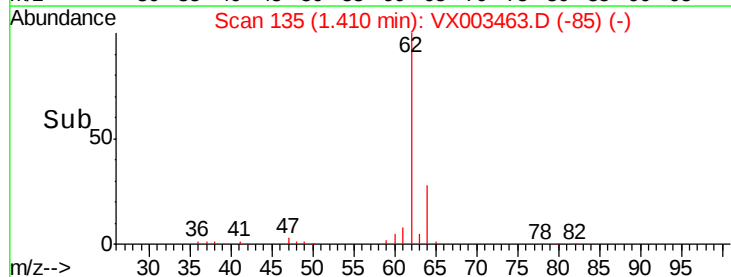
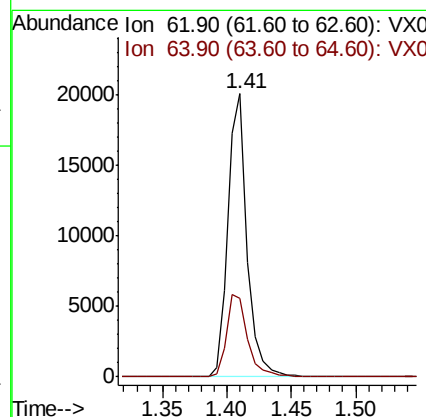
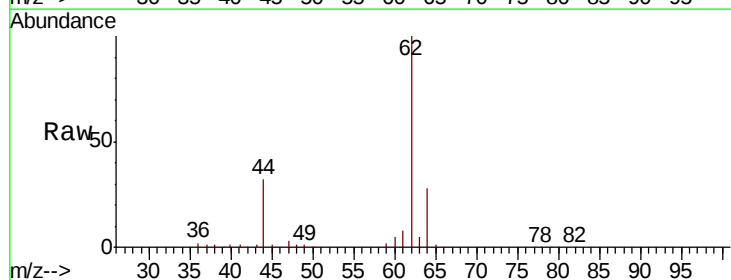
Acq: 19 Jul 2018 13:29

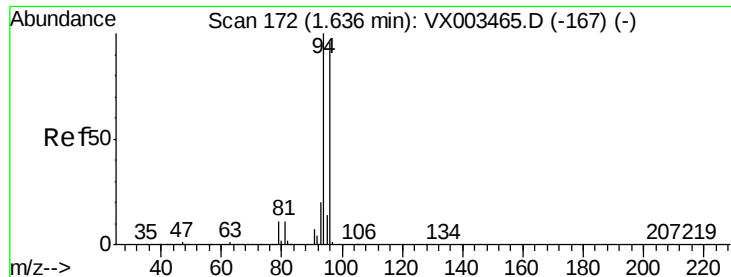
Tgt Ion: 62 Resp: 21076

Ion Ratio Lower Upper

62 100

64 27.8 25.4 38.2





#5

Bromomethane

Concen: 4.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

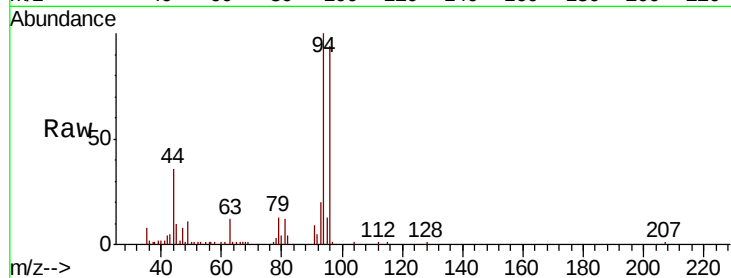
VSTDIC005

Tot Ion: 94 Resp: 10118

Ion Ratio Lower Upper

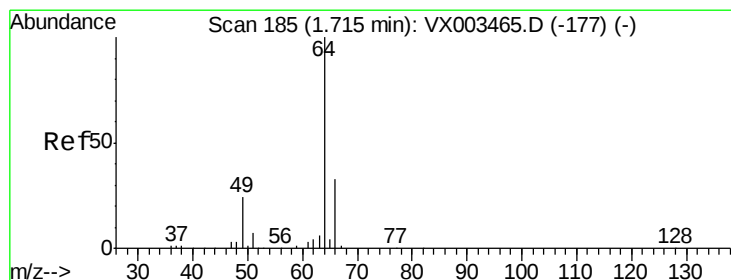
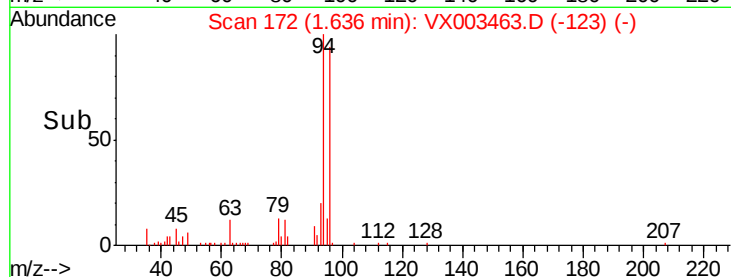
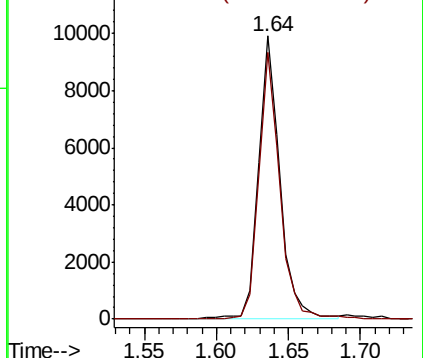
94 100

96 94.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.58 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX003463.D

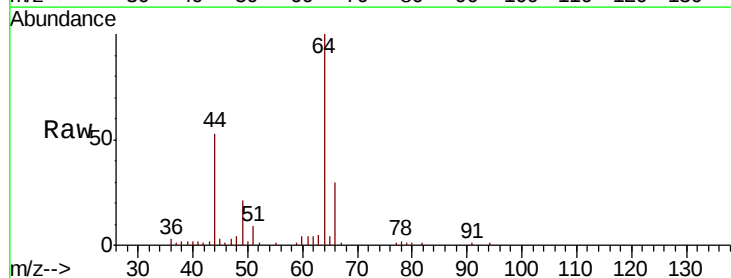
Acq: 19 Jul 2018 13:29

Tgt Ion: 64 Resp: 13232

Ion Ratio Lower Upper

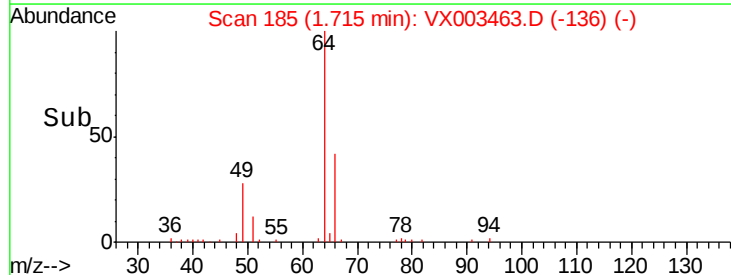
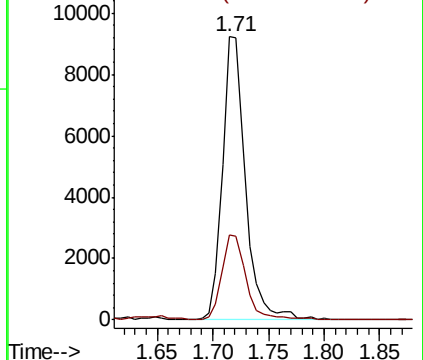
64 100

66 30.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 5.19 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

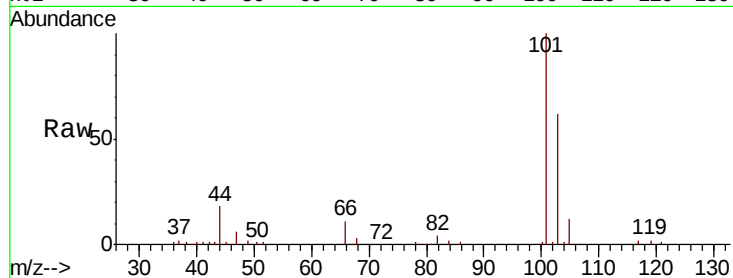
VSTDIC005

Tot Ion:101 Resp: 27771

Ion Ratio Lower Upper

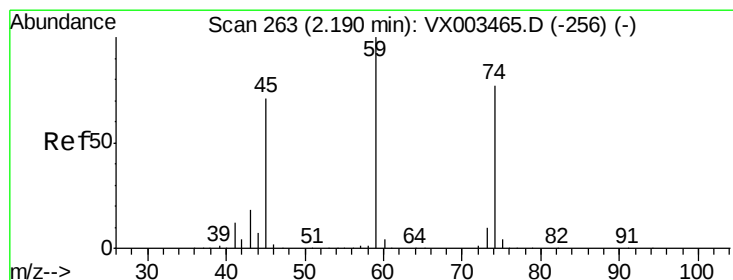
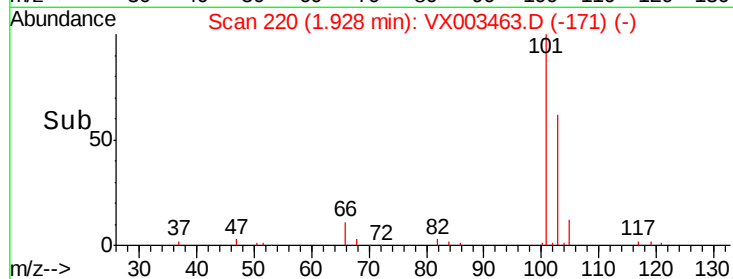
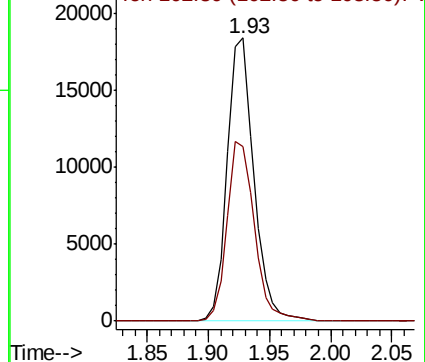
101 100

103 61.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.26 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003463.D

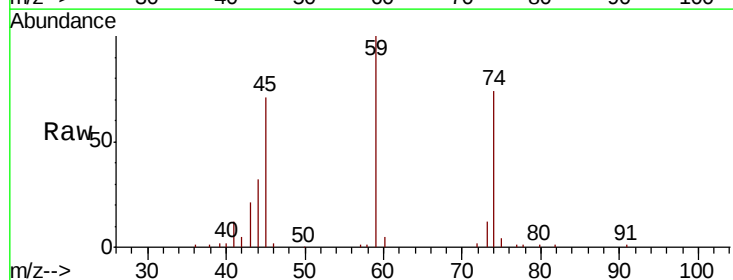
Acq: 19 Jul 2018 13:29

Tgt Ion: 74 Resp: 12093

Ion Ratio Lower Upper

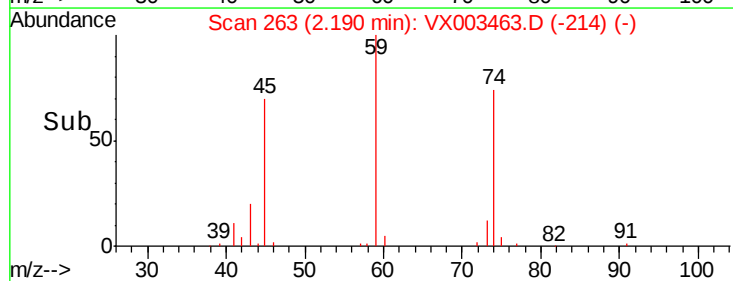
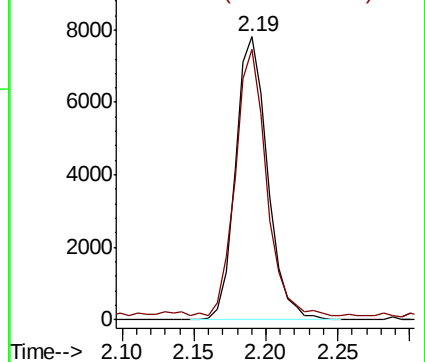
74 100

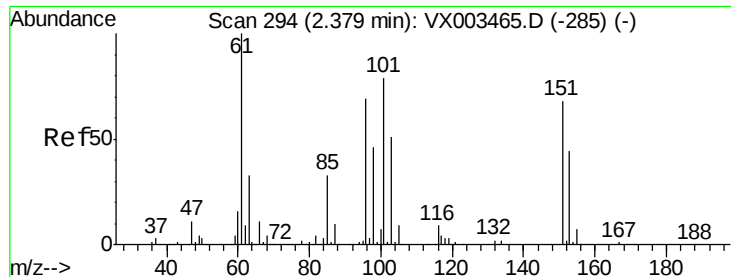
45 90.9 53.1 159.4



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: 5.27 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

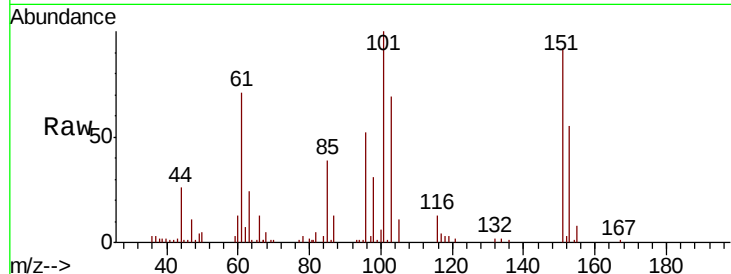
Tot Ion:101 Resp: 18442

Ion Ratio Lower Upper

101 100

85 41.1 36.0 54.0

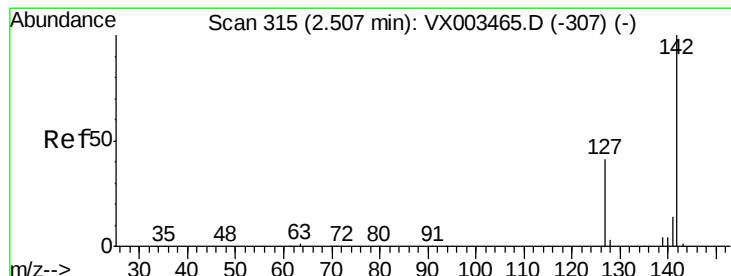
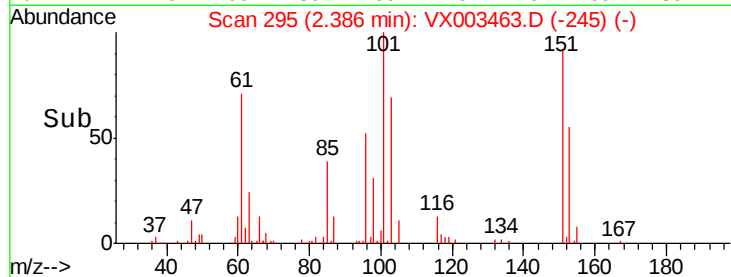
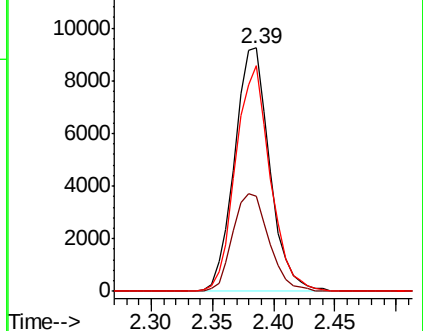
151 91.2 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.79 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

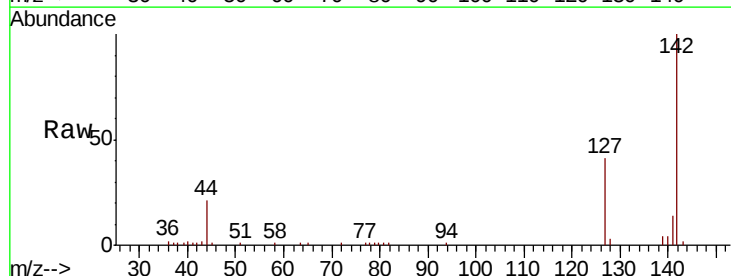
Tgt Ion:142 Resp: 20133

Ion Ratio Lower Upper

142 100

127 40.8 36.6 55.0

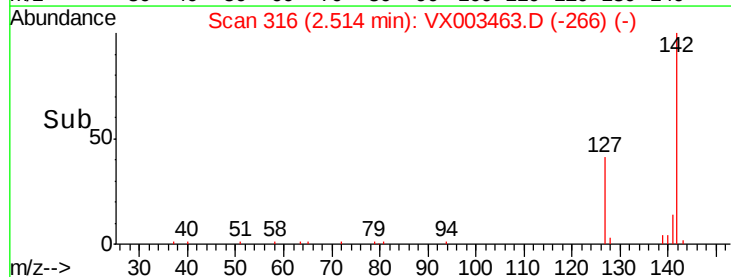
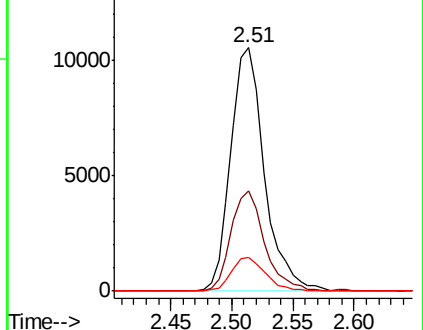
141 14.1 11.3 16.9

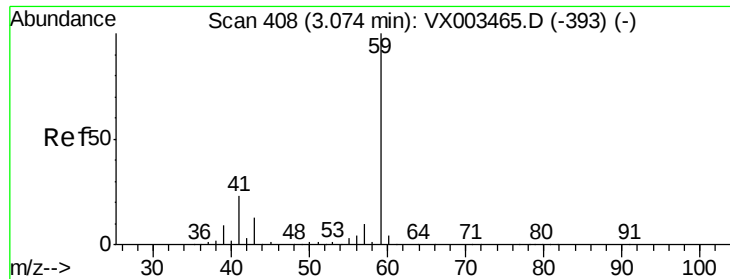


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



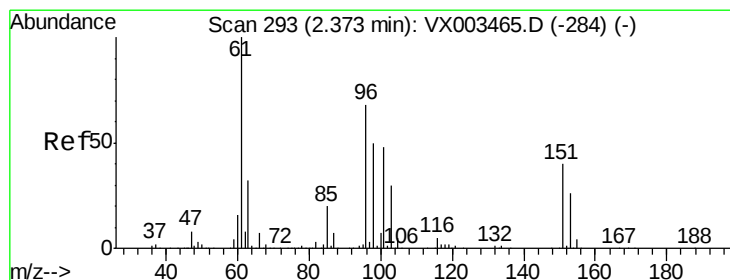
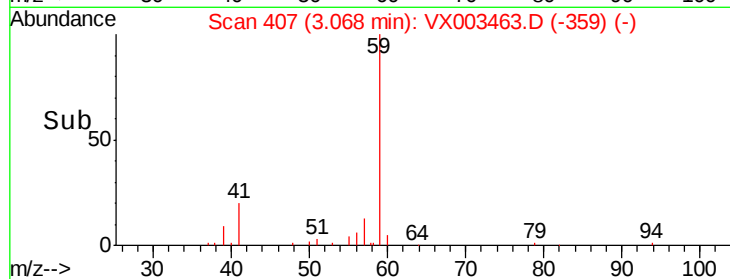
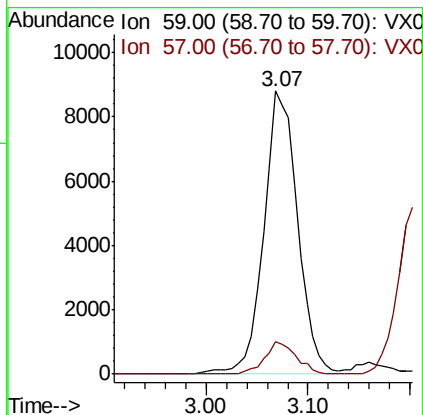
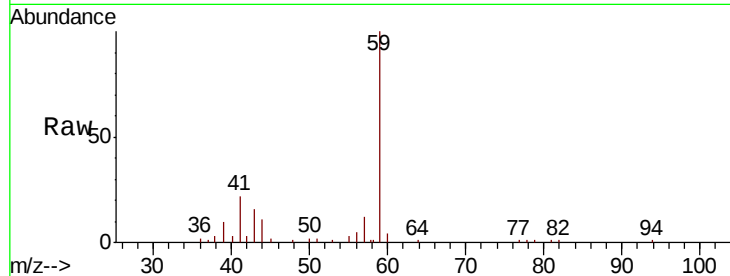


#11

Tert butyl alcohol
 Concen: 27.39 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

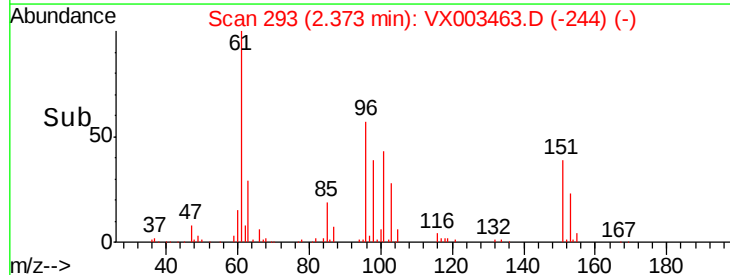
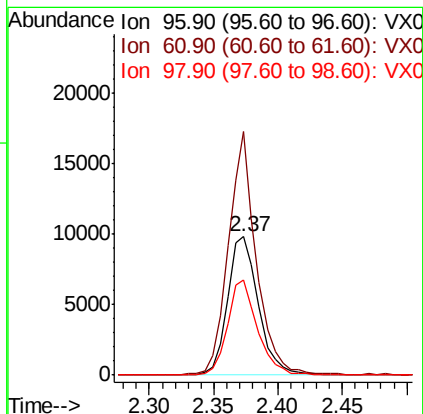
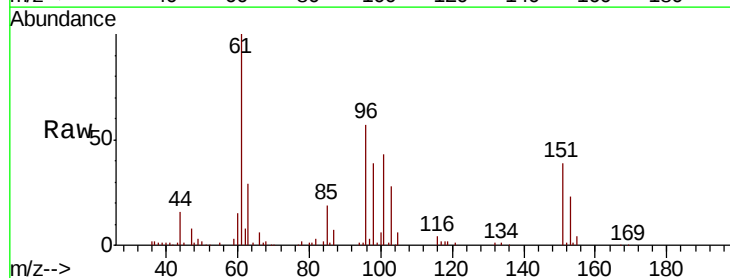
Tot Ion: 59 Resp: 20251
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

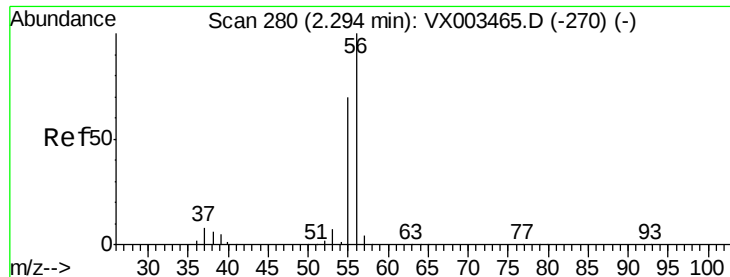


#12

1,1-Dichloroethene
 Concen: 5.09 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 96 Resp: 16411
 Ion Ratio Lower Upper
 96 100
 61 175.4 137.9 206.9
 98 68.7 51.6 77.4





#13

Acrolein

Concen: 25.08 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

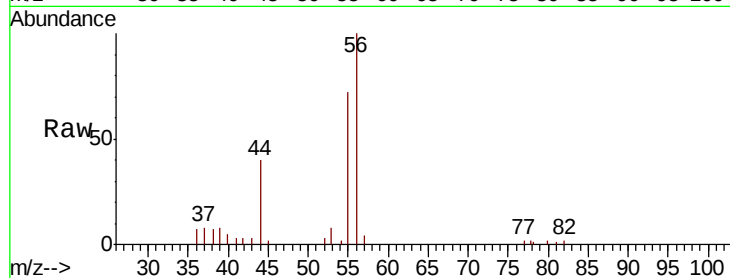
VSTDIC005

Tot Ion: 56 Resp: 8379

Ion Ratio Lower Upper

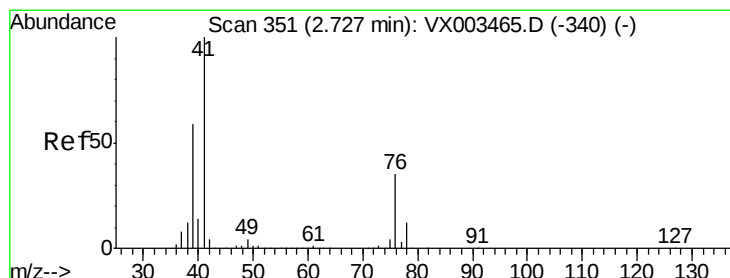
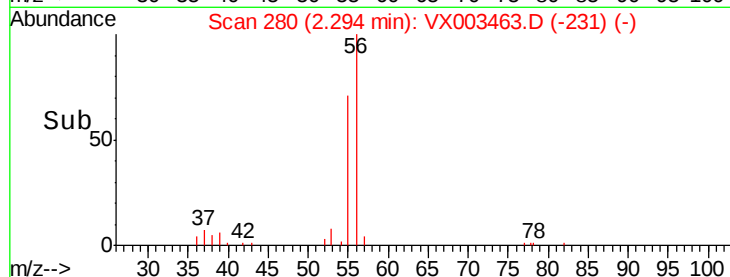
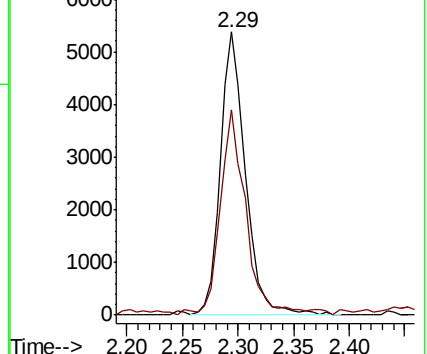
56 100

55 73.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.16 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

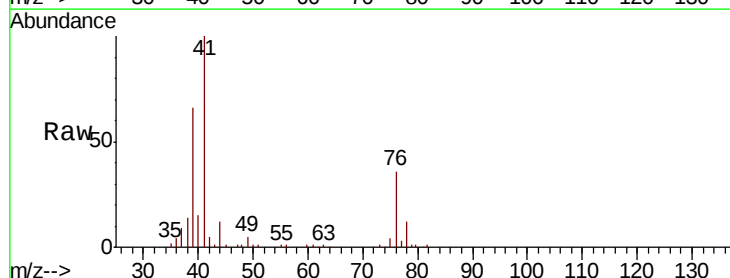
Tgt Ion: 41 Resp: 29435

Ion Ratio Lower Upper

41 100

39 59.1 56.8 85.2

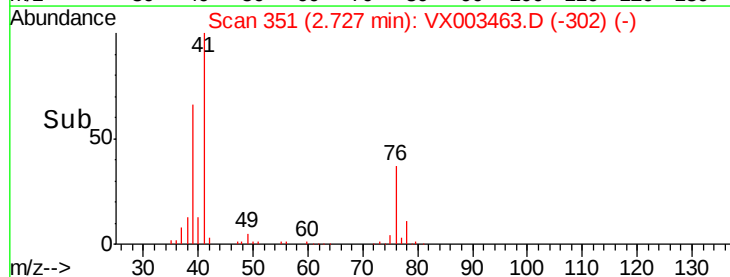
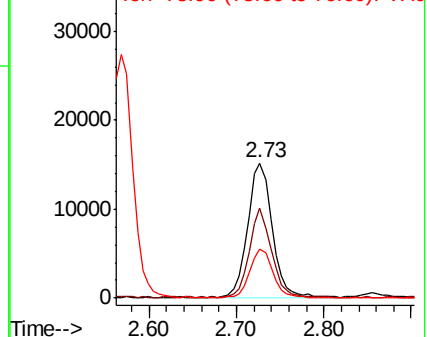
76 34.7 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 25.87 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

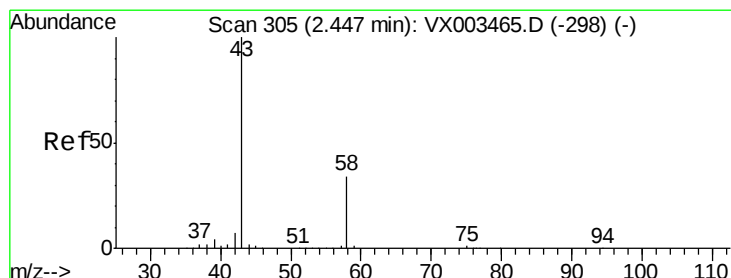
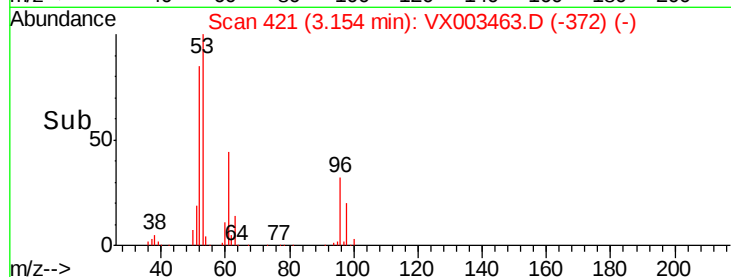
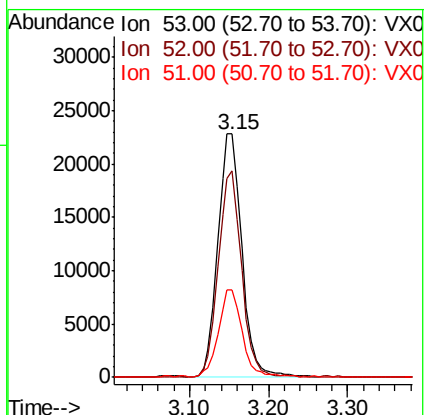
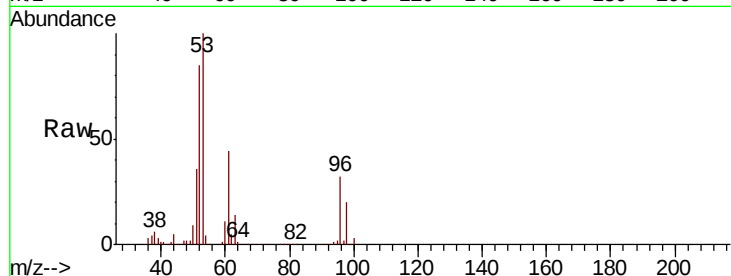
Tot Ion: 53 Resp: 48699

Ion Ratio Lower Upper

53 100

52 81.8 66.7 100.1

51 35.2 29.9 44.9



#16

Acetone

Concen: 25.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003463.D

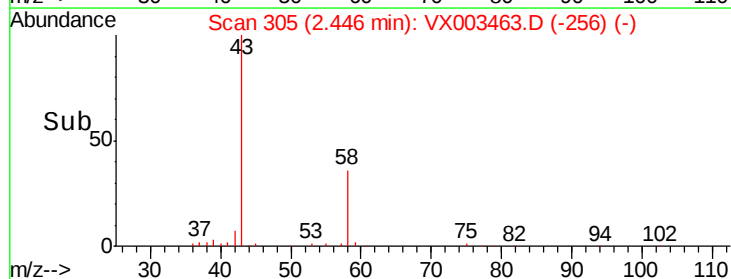
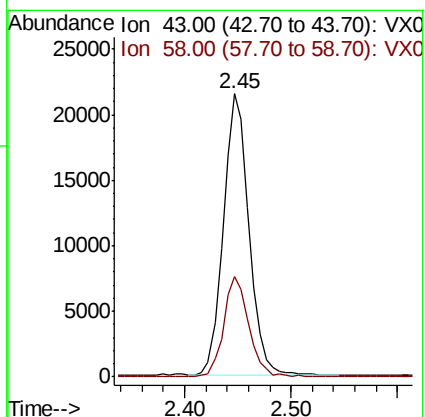
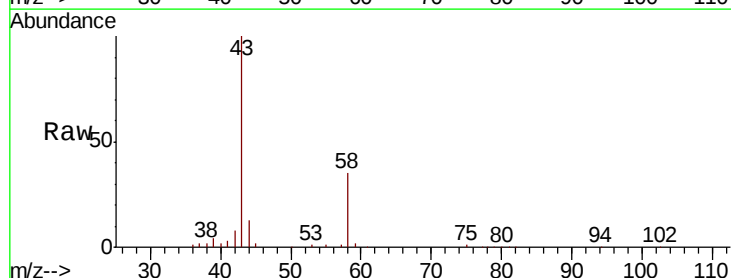
Acq: 19 Jul 2018 13:29

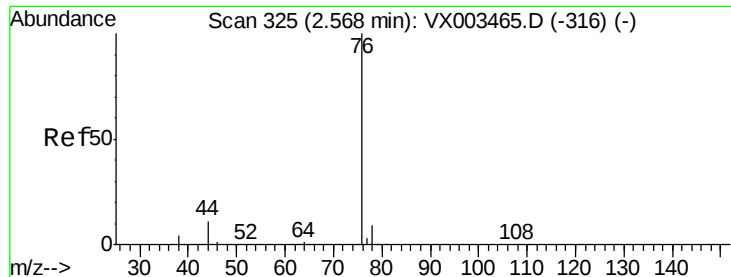
Tgt Ion: 43 Resp: 36034

Ion Ratio Lower Upper

43 100

58 35.7 22.1 33.1#

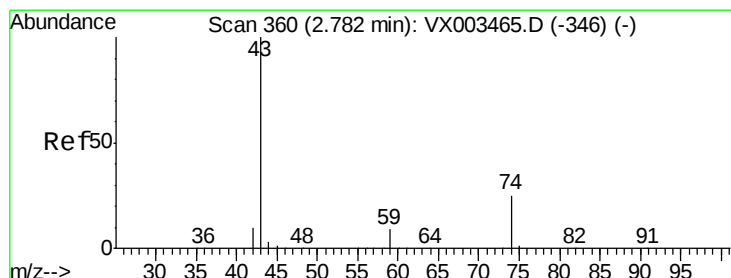
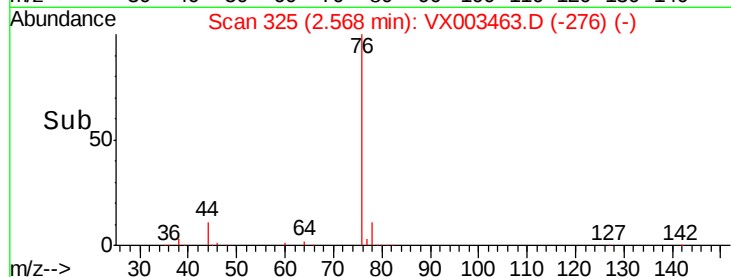
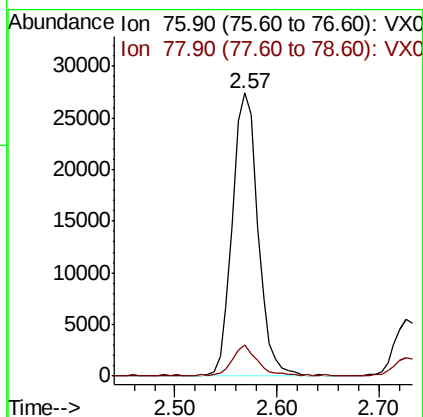
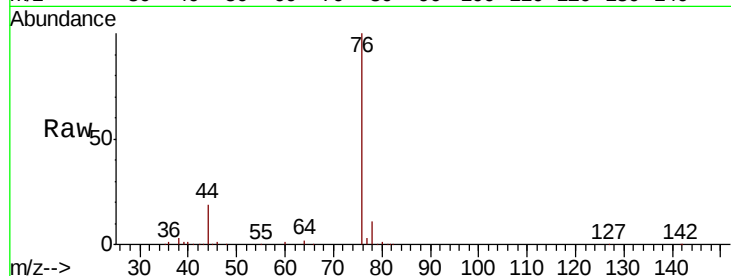




#17
Carbon Disulfide
Concen: 5.45 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

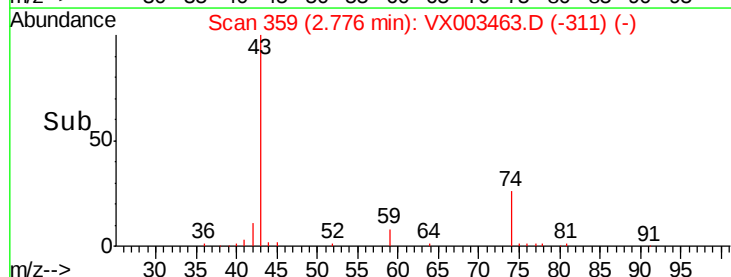
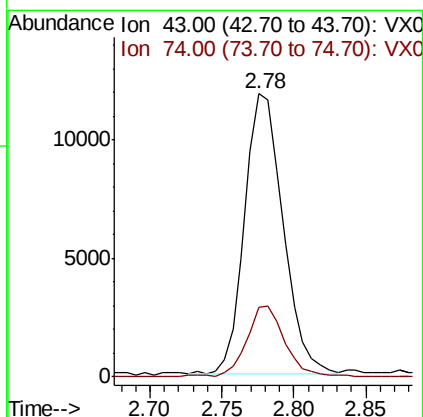
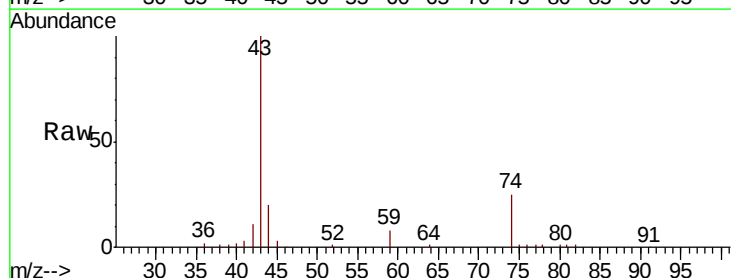
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

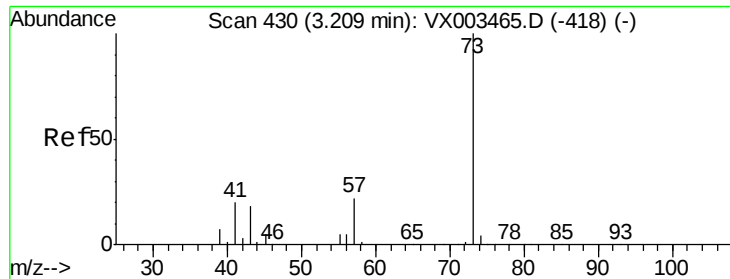
Tot Ion: 76 Resp: 47532
Ion Ratio Lower Upper
76 100
78 10.6 6.9 10.3#



#18
Methyl Acetate
Concen: 4.93 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 43 Resp: 21921
Ion Ratio Lower Upper
43 100
74 25.0 16.7 25.1

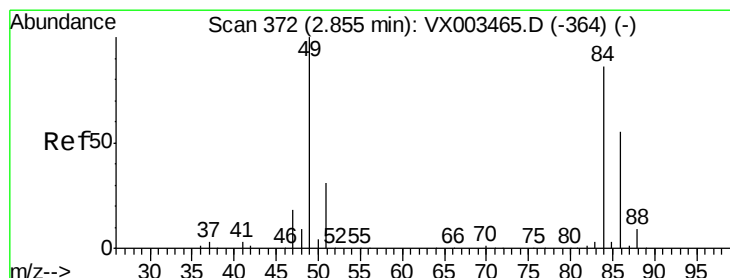
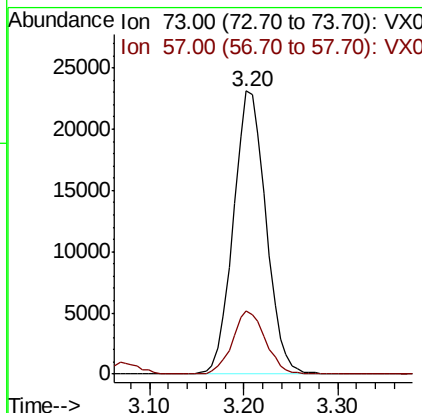
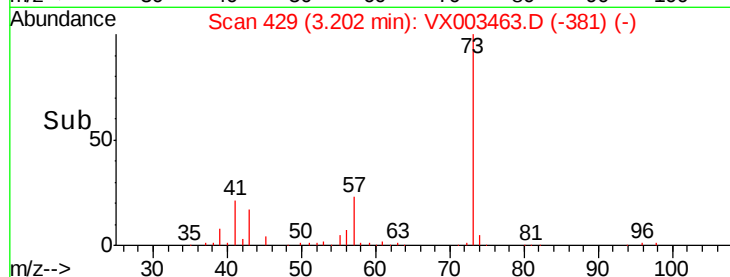
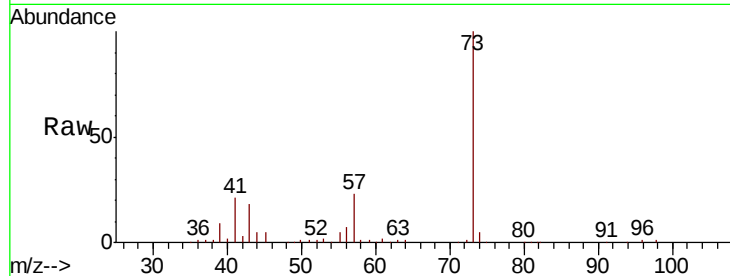




#19
Methvl tert-butvl Ether
Concen: 5.26 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

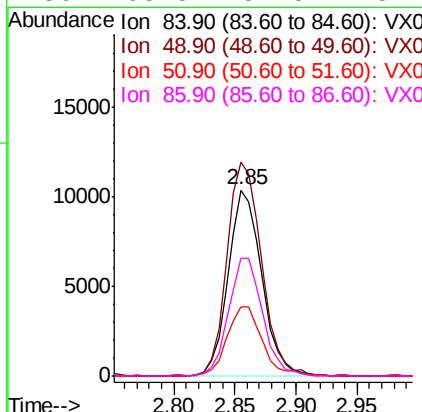
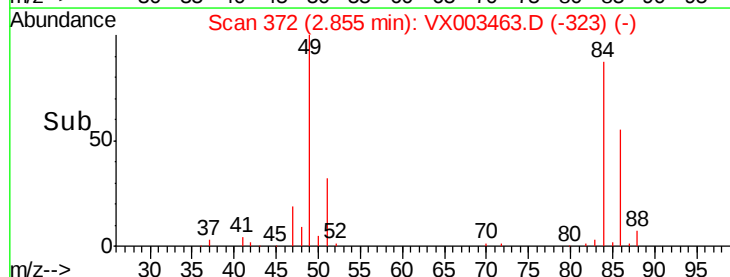
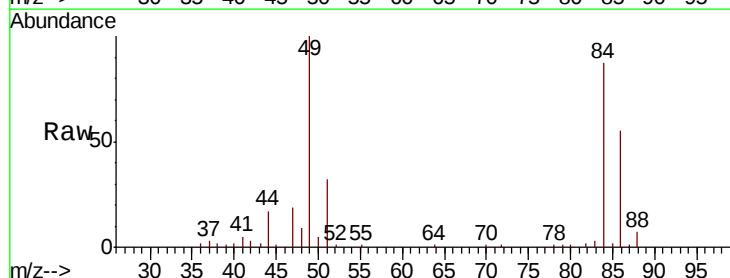
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

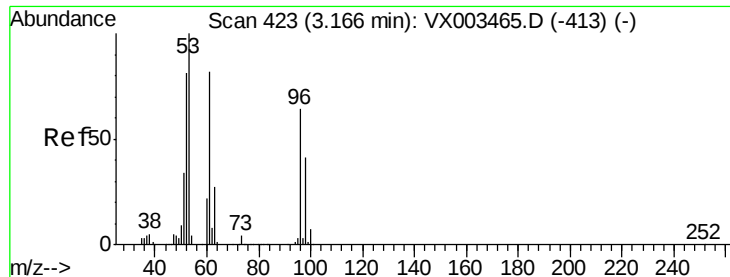
Tot Ion: 73 Resp: 55413
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5



#20
Methylene Chloride
Concen: 4.94 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 84 Resp: 19744
Ion Ratio Lower Upper
84 100
49 114.8 107.8 161.6
51 37.1 32.8 49.2
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.16 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

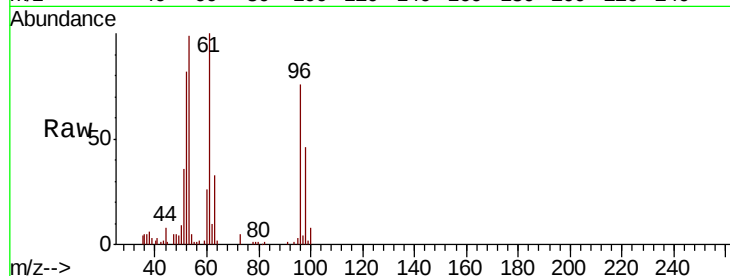
Tot Ion: 96 Resp: 18495

Ion Ratio Lower Upper

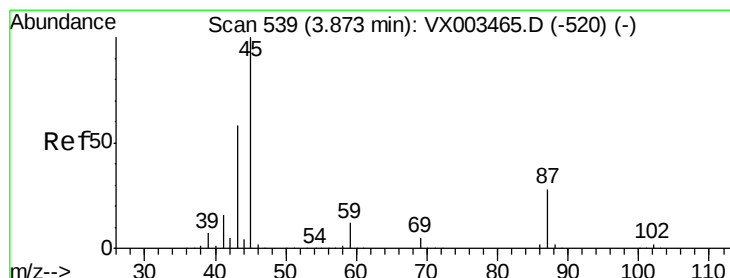
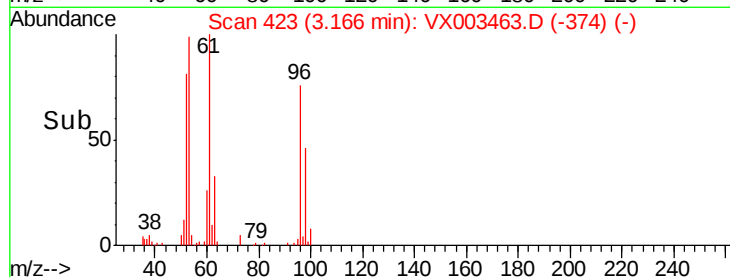
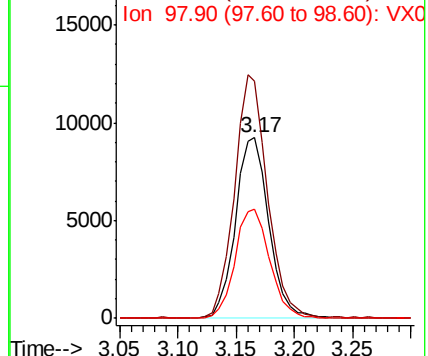
96 100

61 131.1 117.0 175.4

98 60.6 52.4 78.6



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



#22

Diisopropyl ether

Concen: 5.29 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion: 45 Resp: 56798

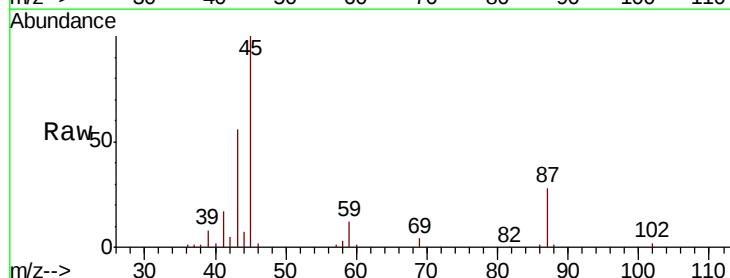
Ion Ratio Lower Upper

45 100

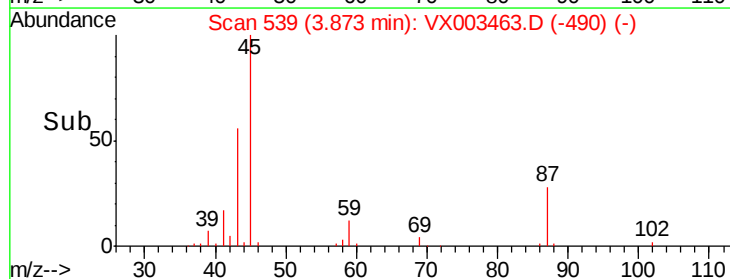
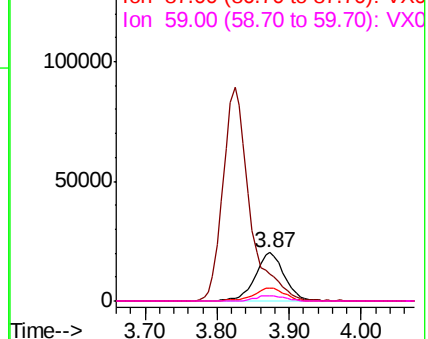
43 55.4 46.8 70.2

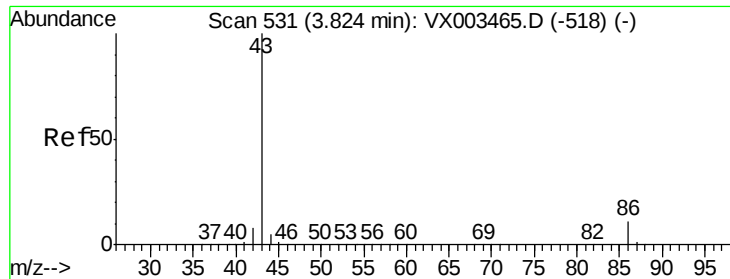
87 27.5 20.2 30.4

59 12.0 8.7 13.1



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





#23

Vinyl Acetate

Concen: 26.21 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

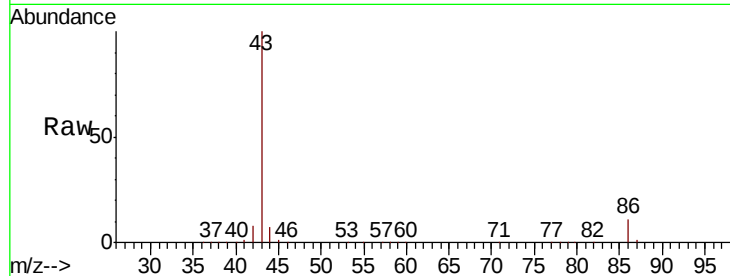
VSTDIC005

Tot Ion: 43 Resp: 231854

Ion Ratio Lower Upper

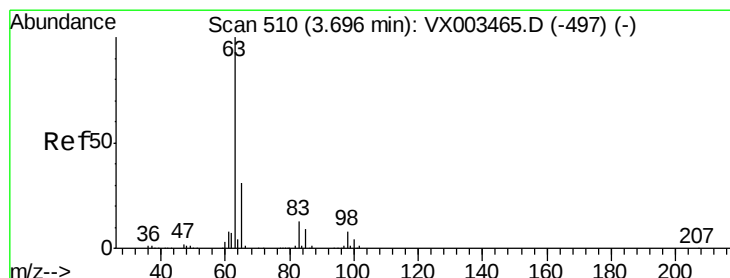
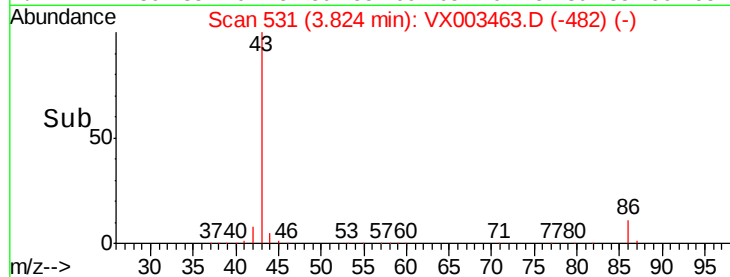
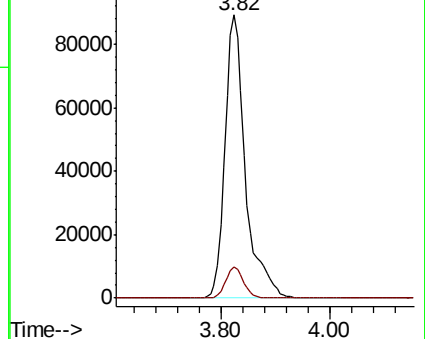
43 100

86 11.1 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

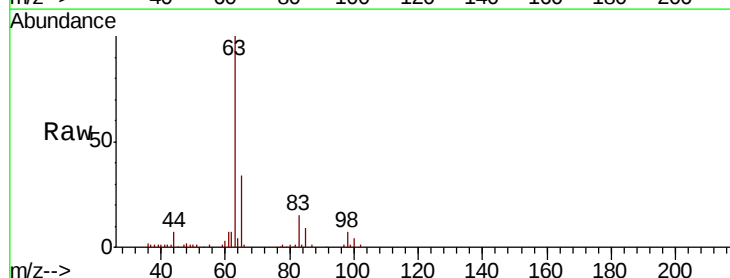
Tgt Ion: 63 Resp: 33240

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

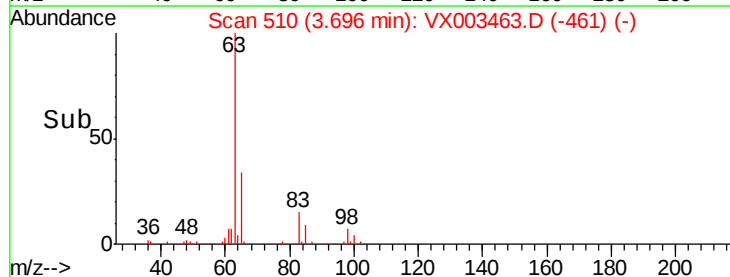
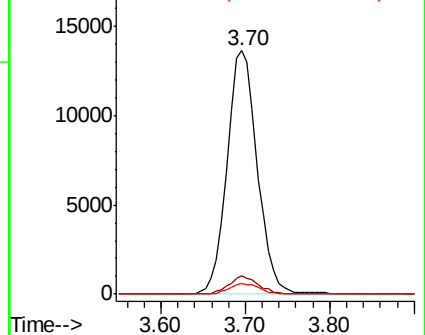
100 4.5 2.0 6.0

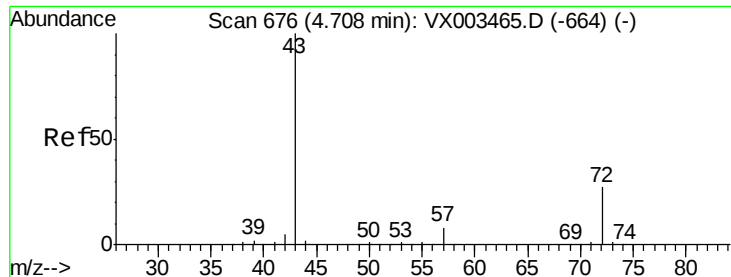


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 25.38 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

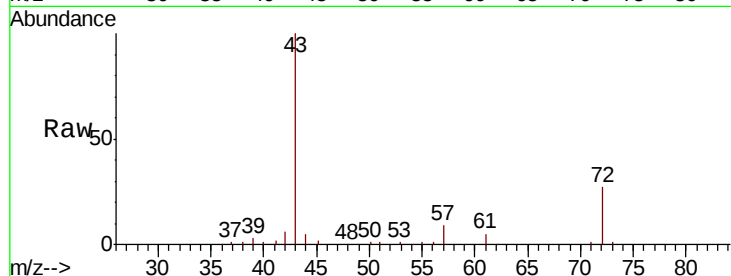
VSTDIC005

Tot Ion: 43 Resp: 60091

Ion Ratio Lower Upper

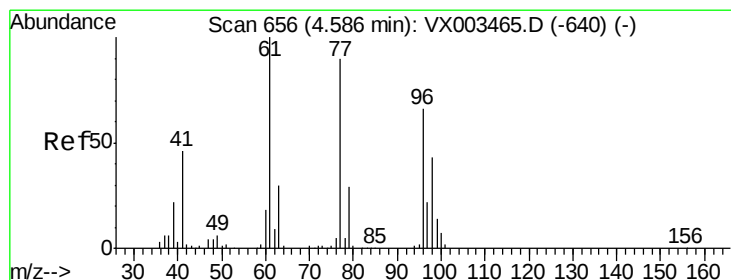
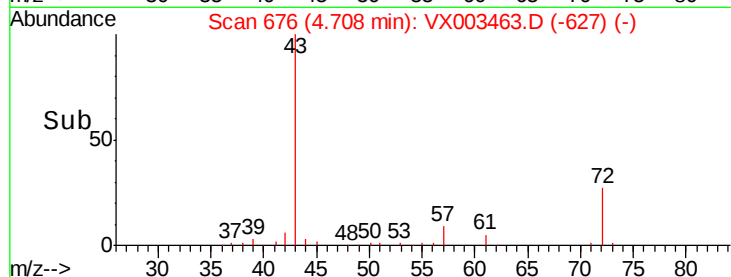
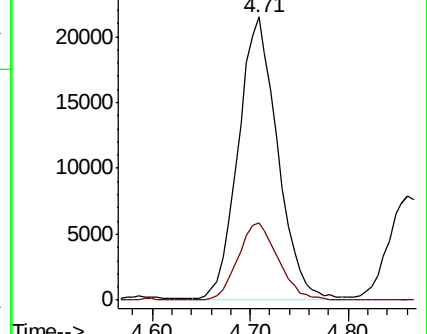
43 100

72 27.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.05 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003463.D

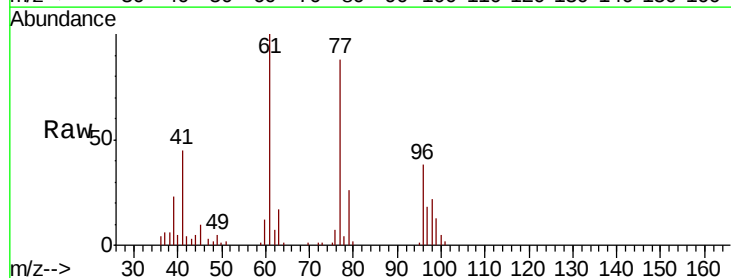
Acq: 19 Jul 2018 13:29

Tgt Ion: 77 Resp: 24145

Ion Ratio Lower Upper

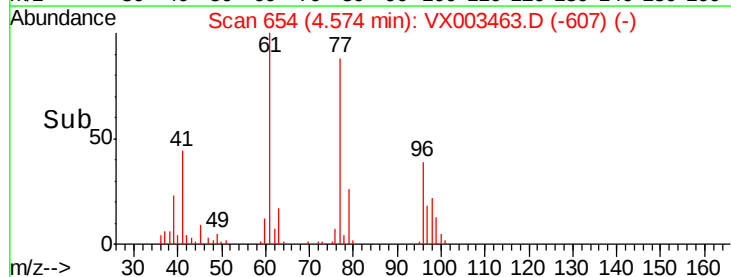
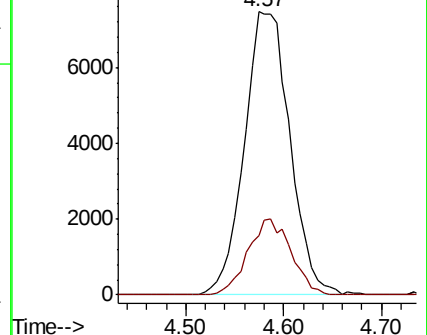
77 100

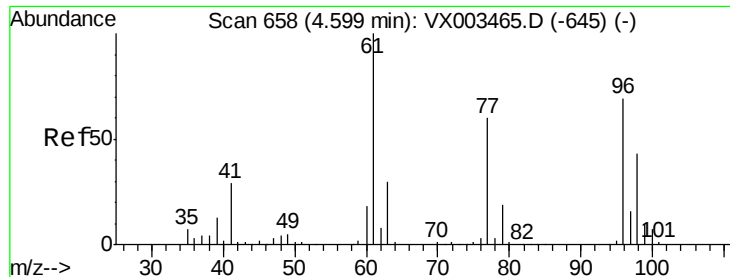
97 25.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 5.08 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

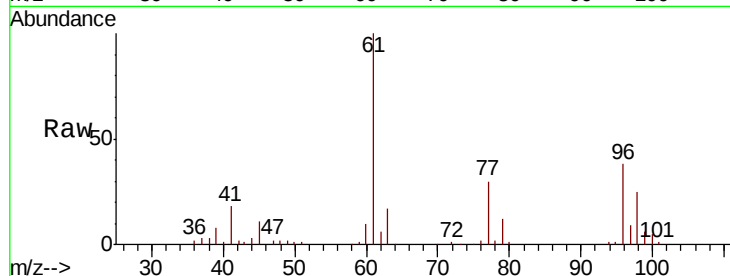
Tot Ion: 96 Resp: 20276

Ion Ratio Lower Upper

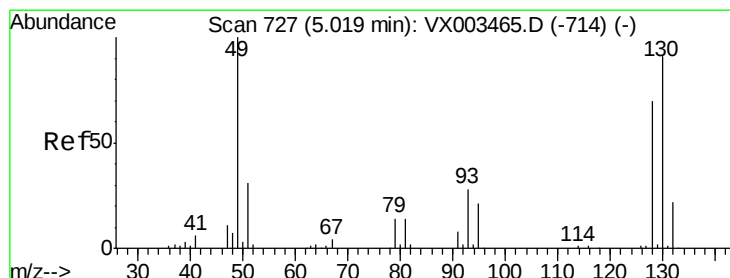
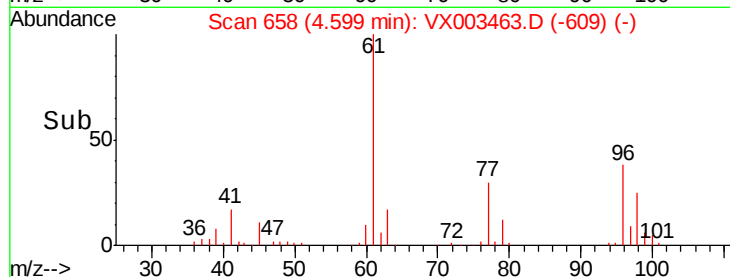
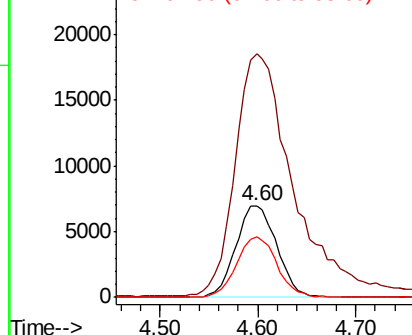
96 100

61 382.3 0.0 330.2#

98 64.7 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: 5.31 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

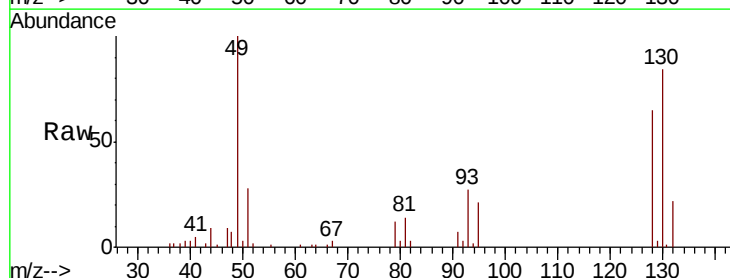
Tgt Ion: 49 Resp: 14615

Ion Ratio Lower Upper

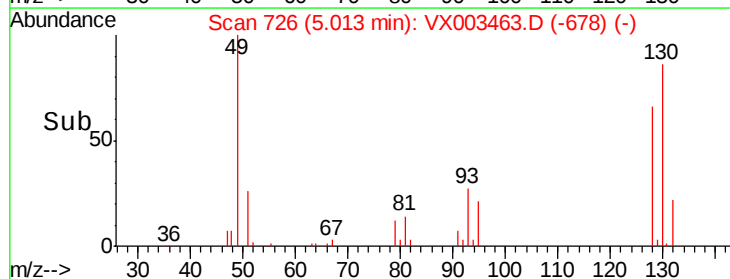
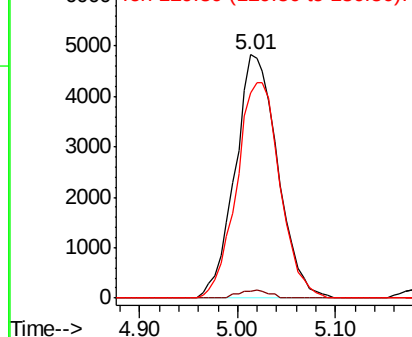
49 100

129 2.2 0.0 4.2

130 89.8 61.2 91.8



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

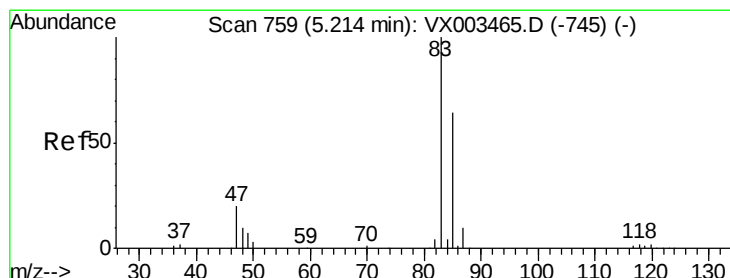
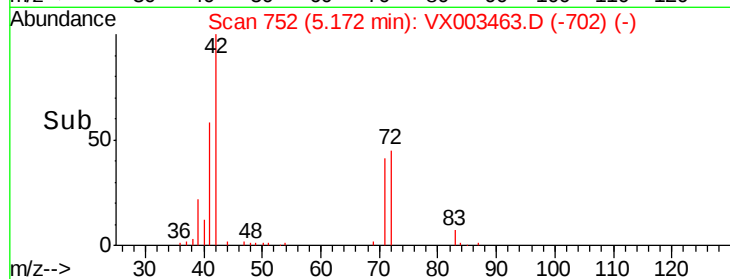
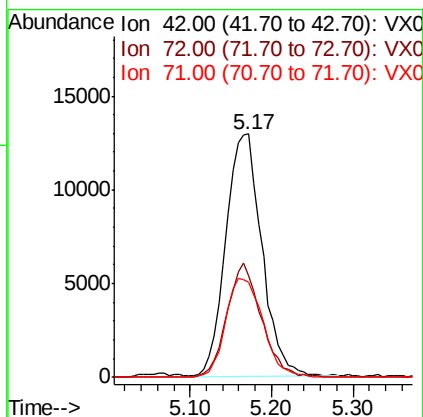
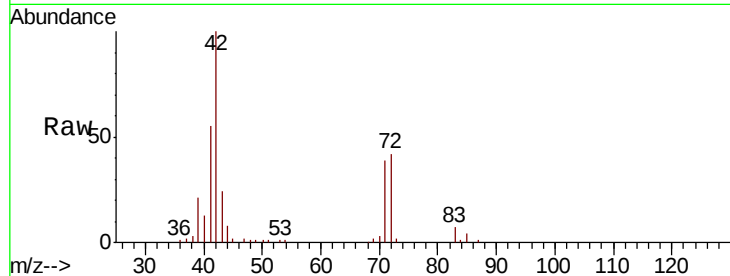




#29
Tetrahydrofuran
Concen: 25.34 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

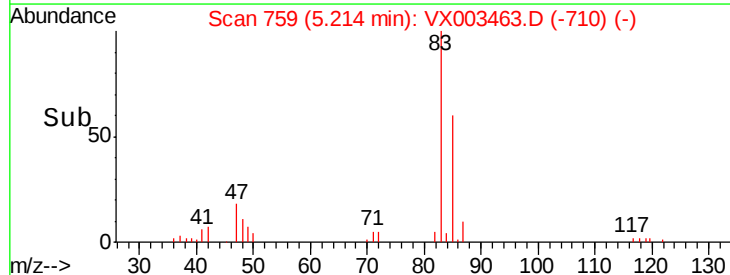
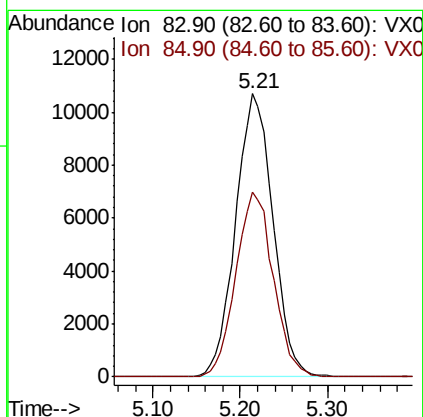
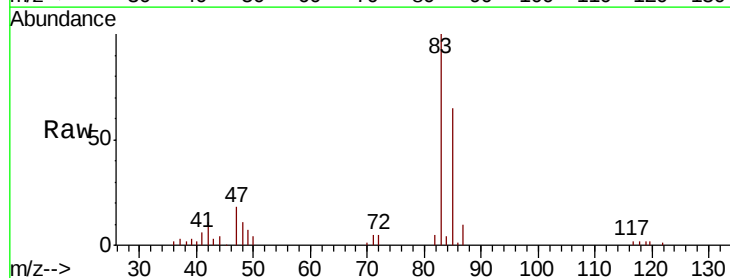
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

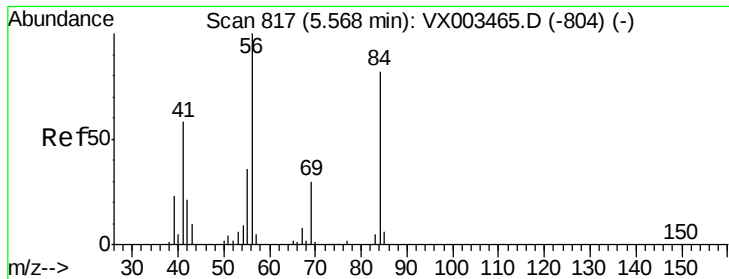
Tot Ion: 42 Resp: 39640
Ion Ratio Lower Upper
42 100
72 44.7 32.0 48.0
71 42.1 30.1 45.1



#30
Chloroform
Concen: 5.16 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 83 Resp: 31764
Ion Ratio Lower Upper
83 100
85 65.4 50.4 75.6

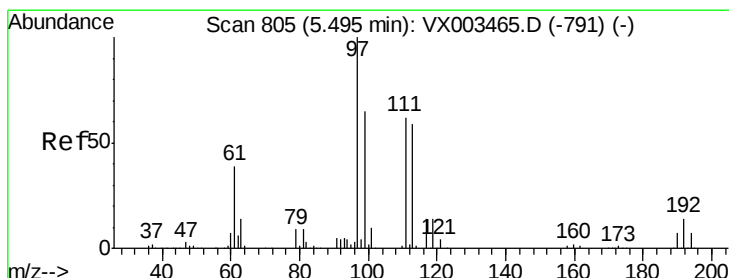
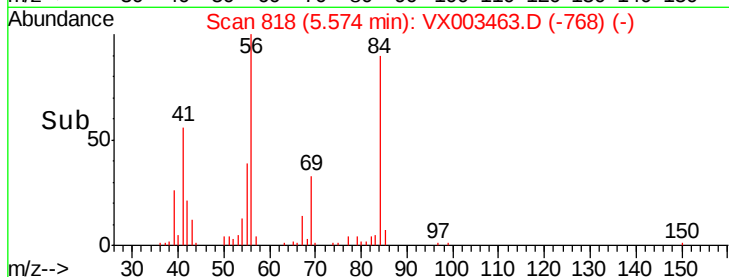
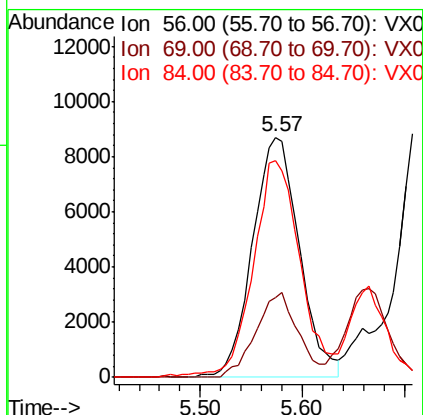
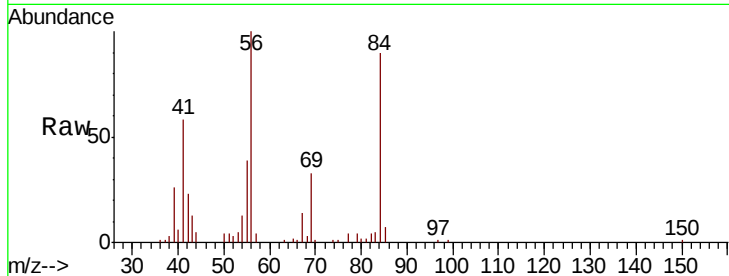




#31
Cyclohexane
Concen: 4.91 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

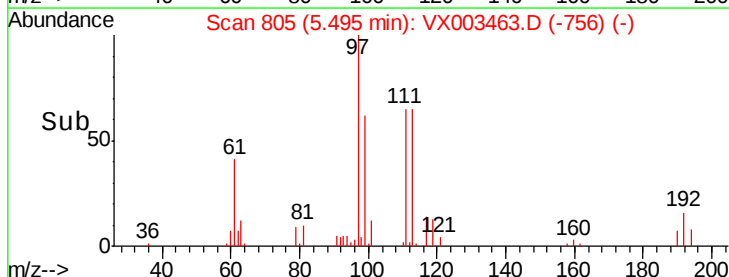
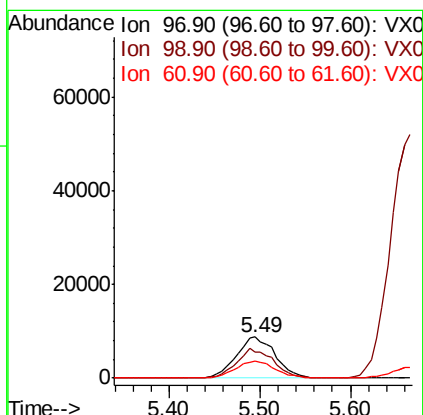
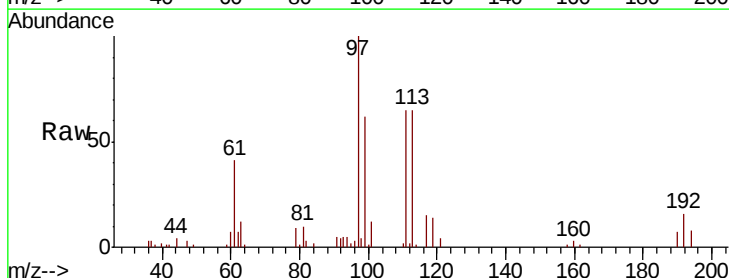
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

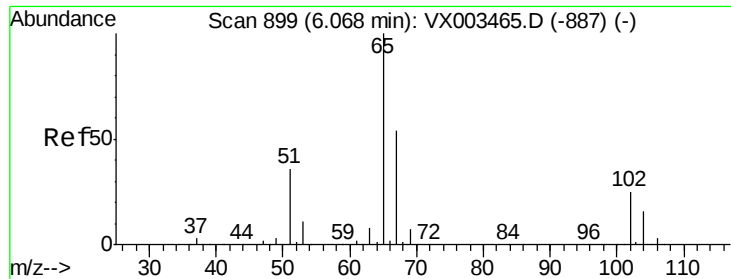
Tot Ion: 56 Resp: 27643
Ion Ratio Lower Upper
56 100
69 33.1 23.7 35.5
84 89.0 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 4.99 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 97 Resp: 26304
Ion Ratio Lower Upper
97 100
99 67.3 51.6 77.4
61 41.6 36.4 54.6

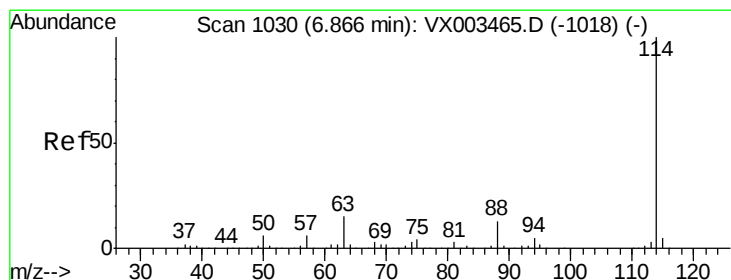
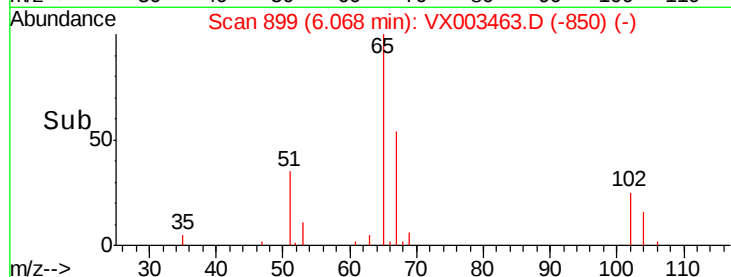
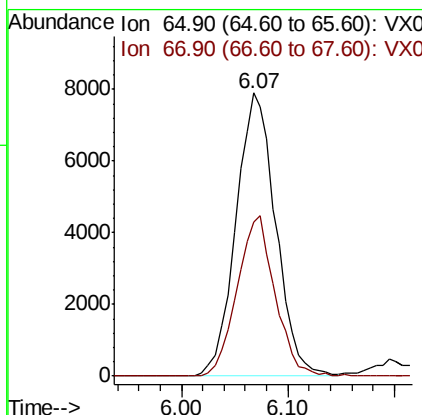
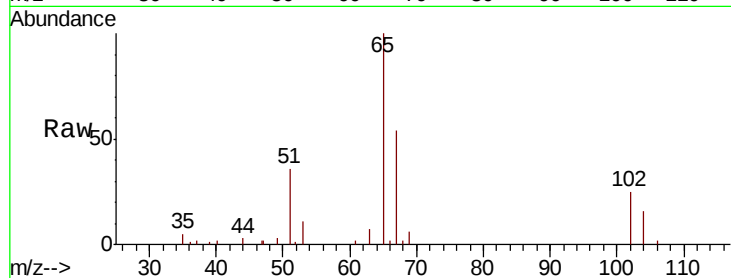




#33
 1,2-Dichloroethane-d4
 Concen: 5.53 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

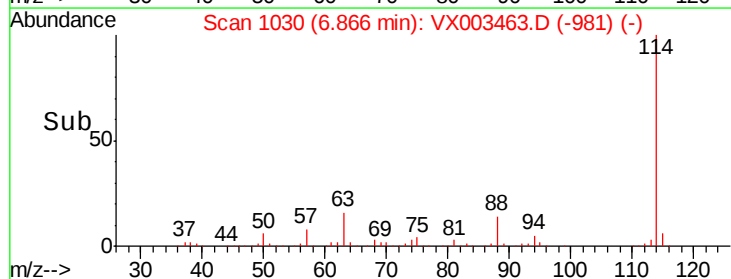
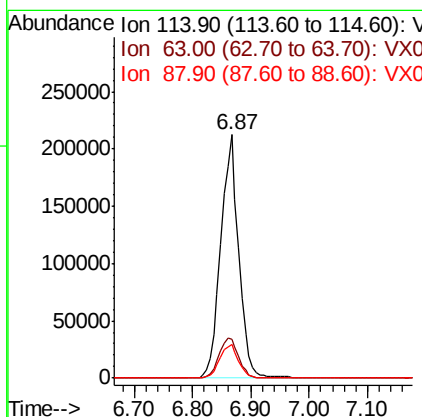
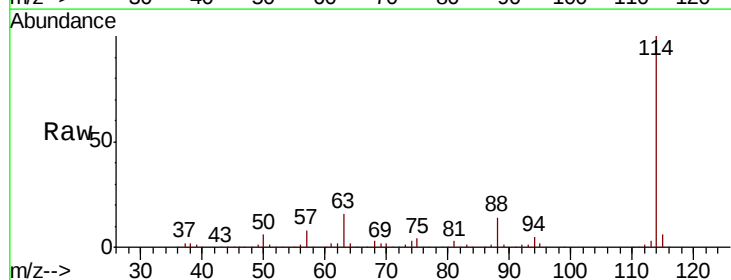
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

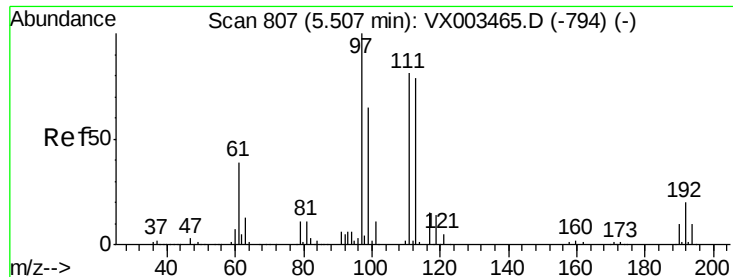
Tot Ion: 65 Resp: 20654
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 114 Resp: 454243
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 41.4
 88 13.7 0.0 30.0

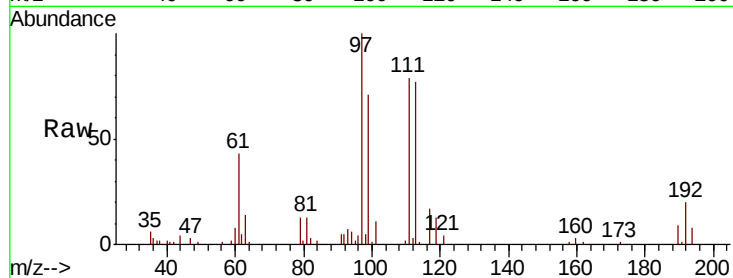




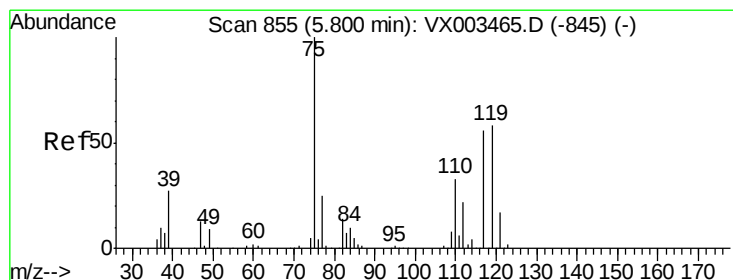
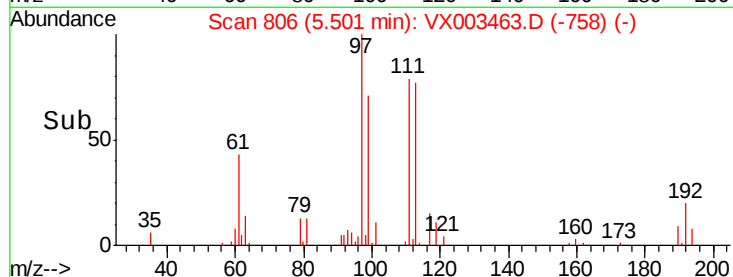
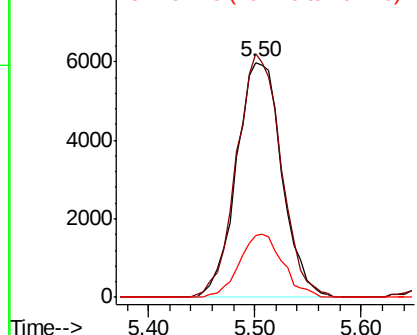
#35
Dibromofluoromethane
Concen: 5.17 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:113 Resp: 17894
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 25.5 19.1 28.7

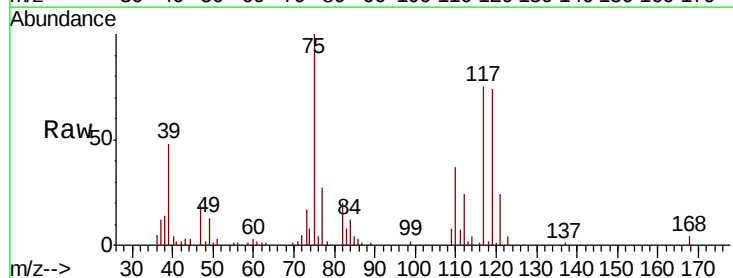


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

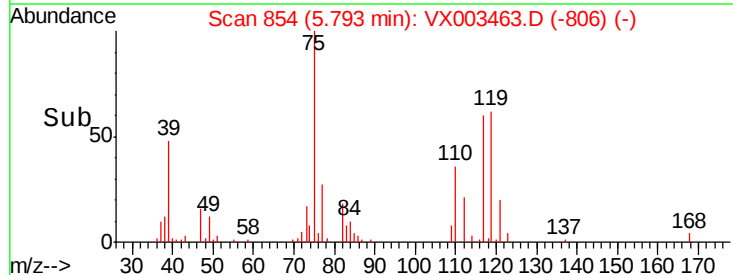
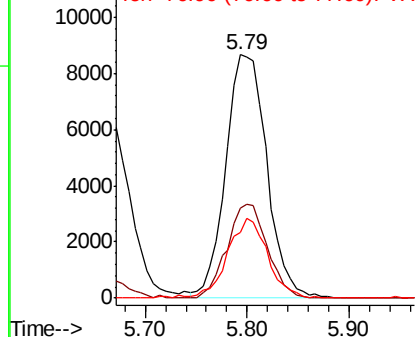


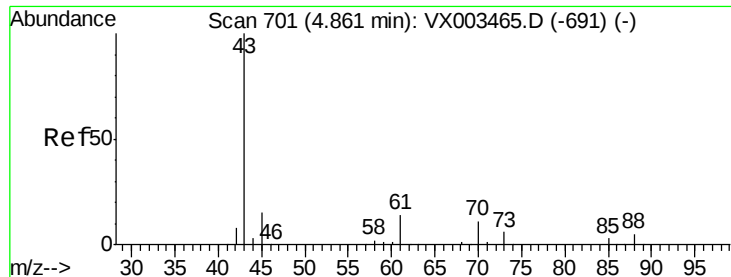
#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 75 Resp: 24303
Ion Ratio Lower Upper
75 100
110 37.6 18.1 54.4
77 32.0 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 5.23 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

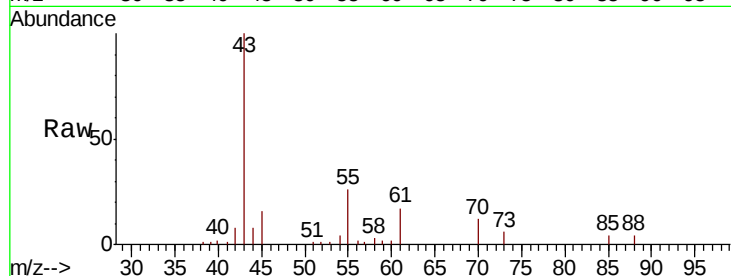
Tot Ion: 43 Resp: 24268

Ion Ratio Lower Upper

43 100

61 18.9 10.4 15.6#

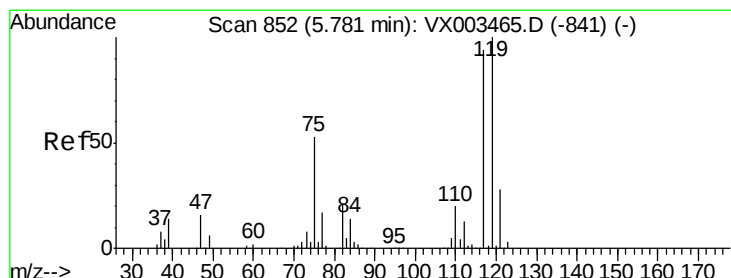
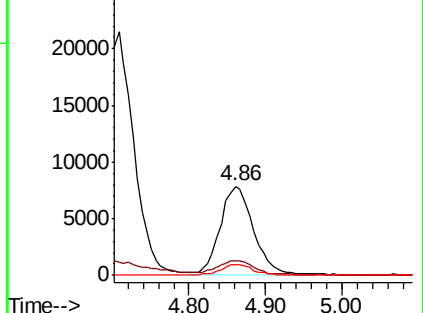
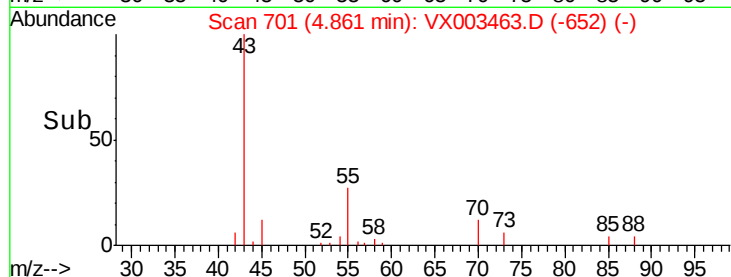
70 11.5 7.6 11.4#



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: 4.73 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

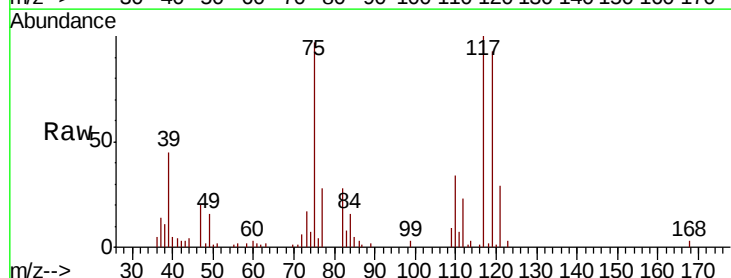
Tgt Ion: 117 Resp: 22755

Ion Ratio Lower Upper

117 100

119 93.3 77.4 116.0

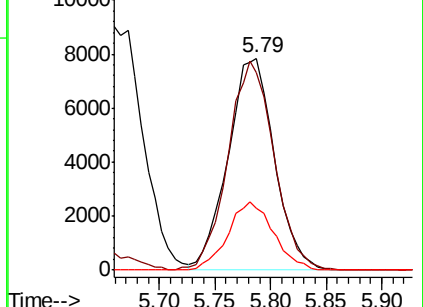
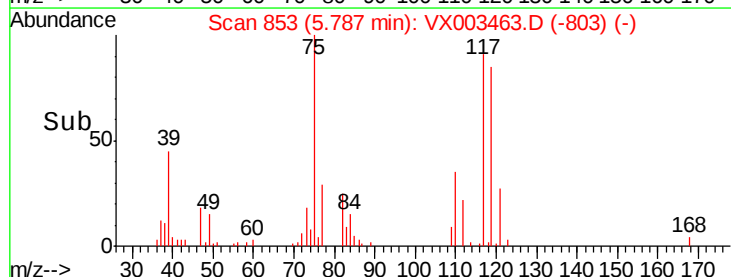
121 29.2 24.4 36.6

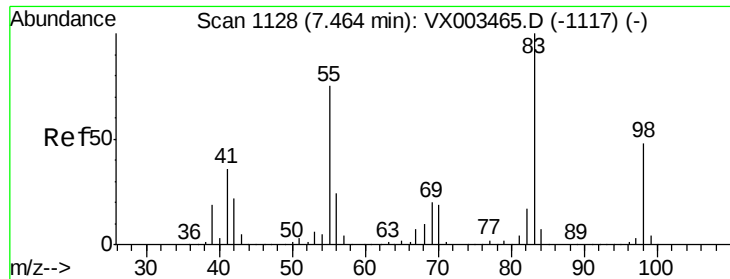


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

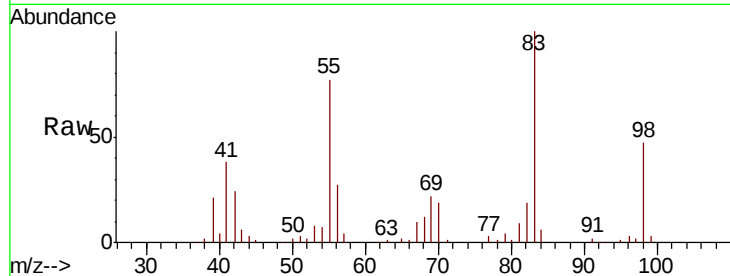




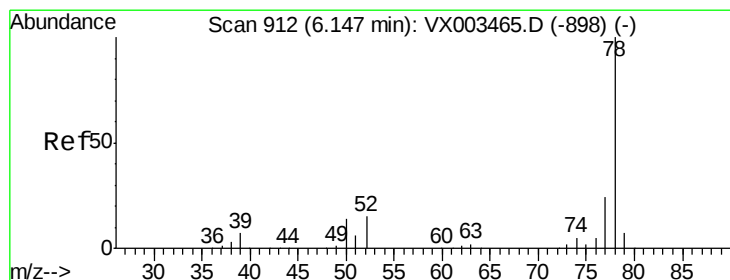
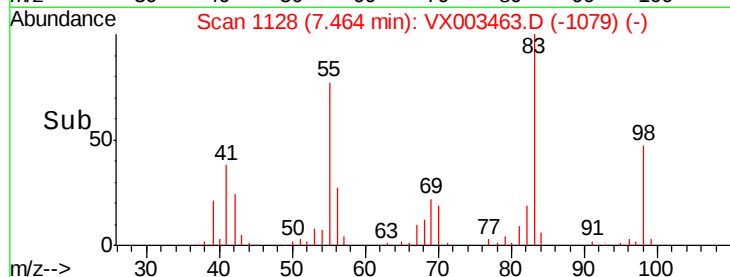
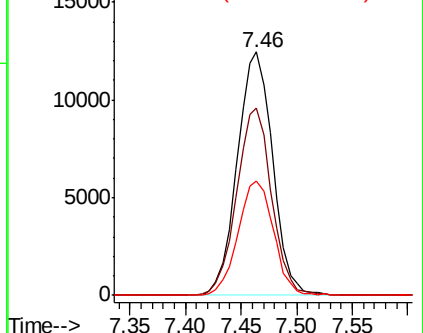
#39
Methvlcvclohexane
Concen: 4.72 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 27411
Ion Ratio Lower Upper
83 100
55 76.9 65.4 98.0
98 46.7 37.4 56.0

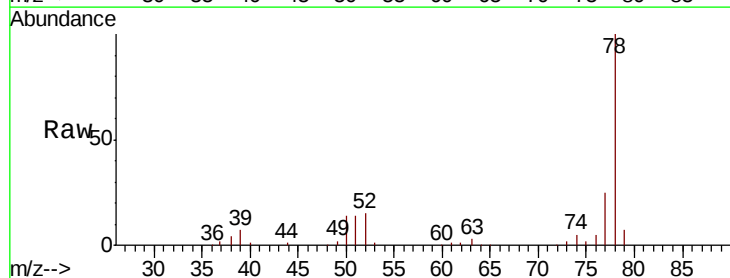


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

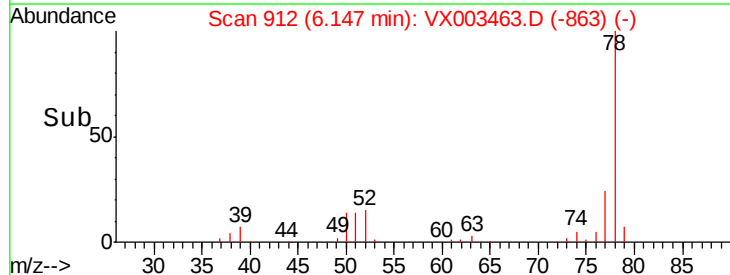
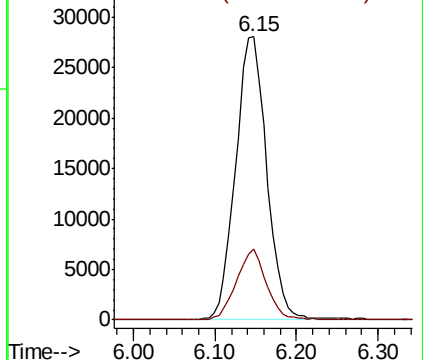


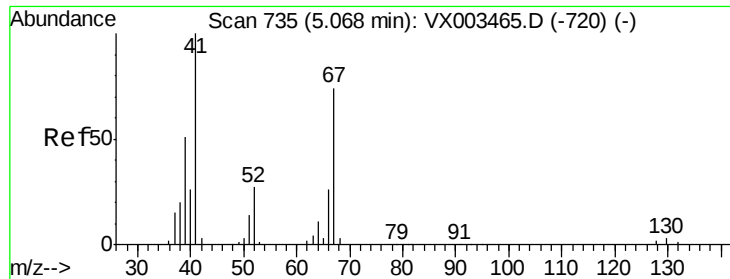
#40
Benzene
Concen: 5.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 78 Resp: 74435
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



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

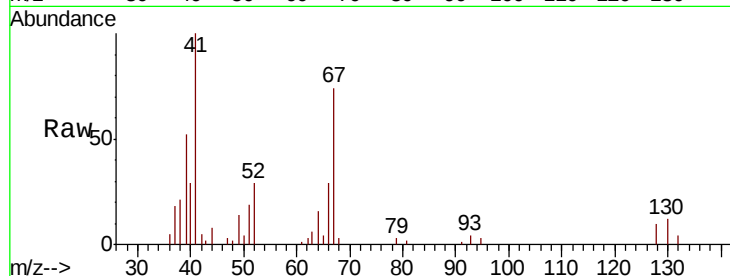




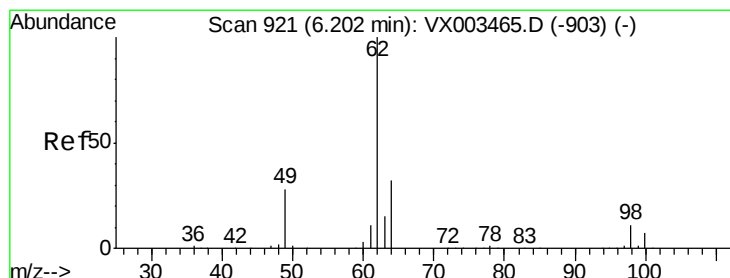
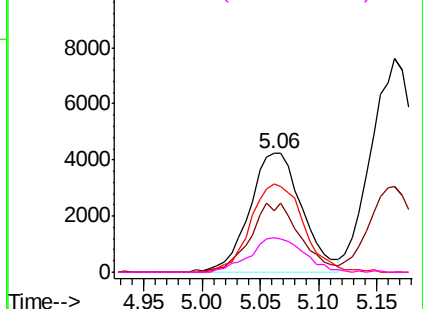
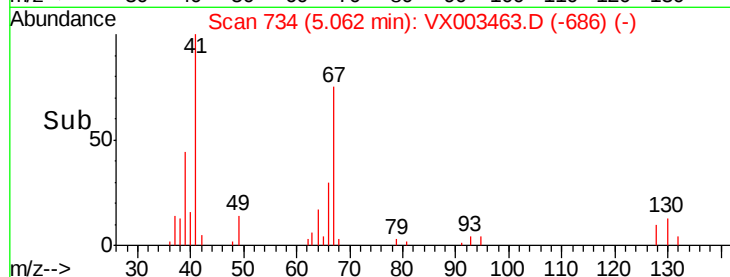
#41
Methacrylonitrile
Concen: 4.88 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	13315
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.8	68.6
67	74.8	51.3	76.9
52	29.5	23.0	34.6

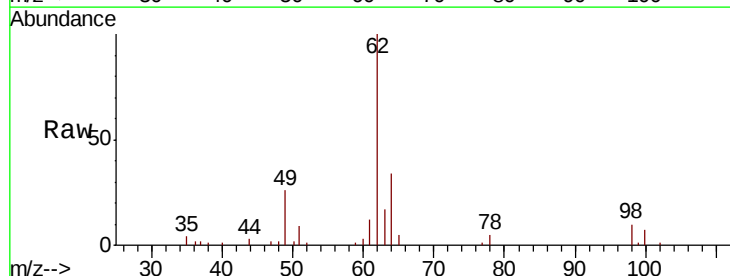


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

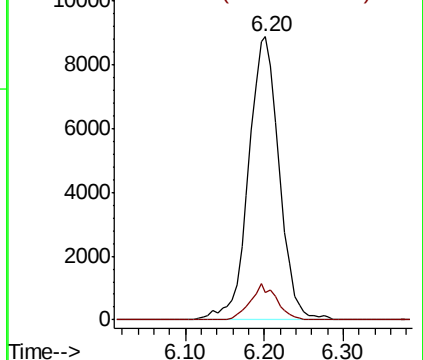
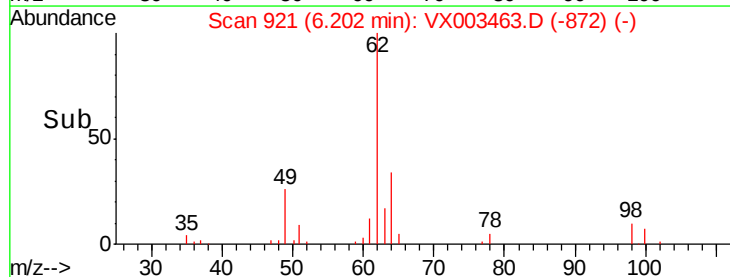


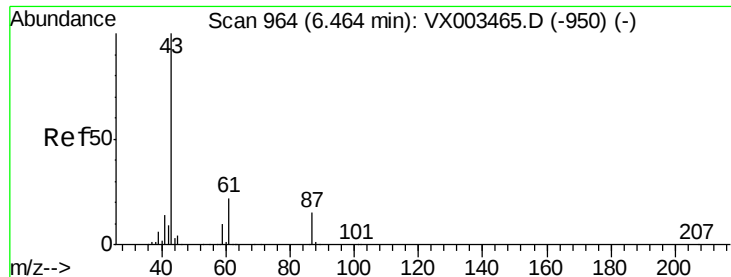
#42
1,2-Dichloroethane
Concen: 5.13 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:	62	Resp:	23955
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 4.91 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

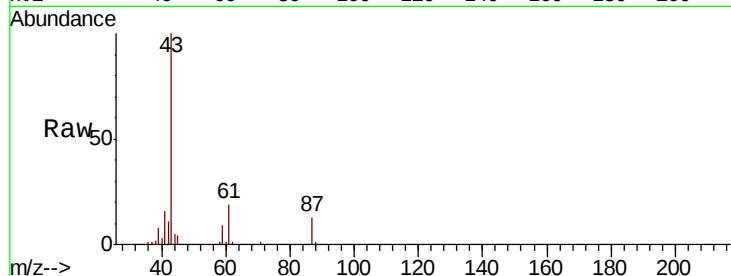
Tot Ion: 43 Resp: 36281

Ion Ratio Lower Upper

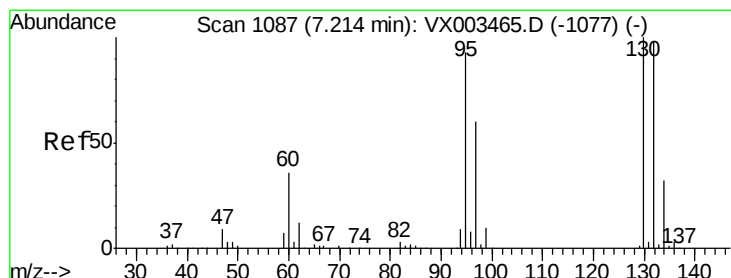
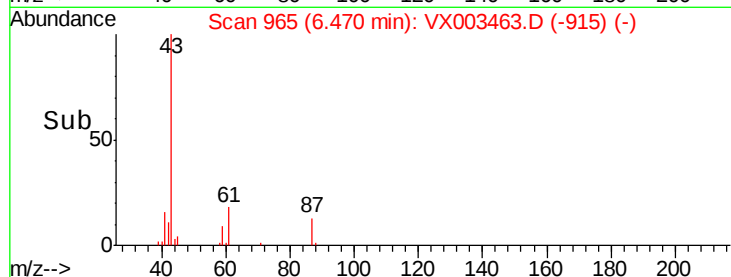
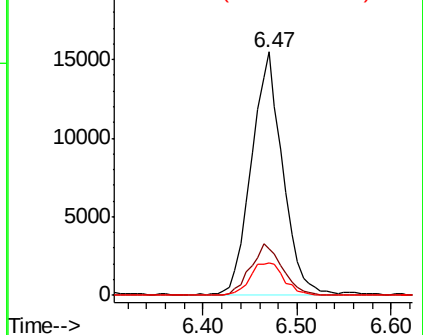
43 100

61 21.4 14.4 21.6

87 14.6 9.5 14.3#



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: 5.06 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003463.D

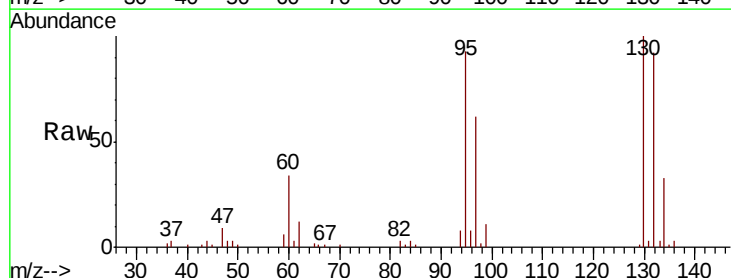
Acq: 19 Jul 2018 13:29

Tgt Ion: 130 Resp: 22365

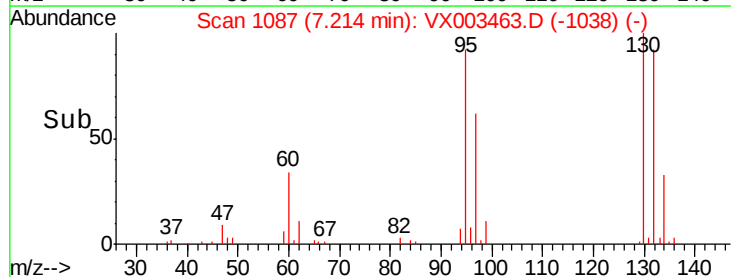
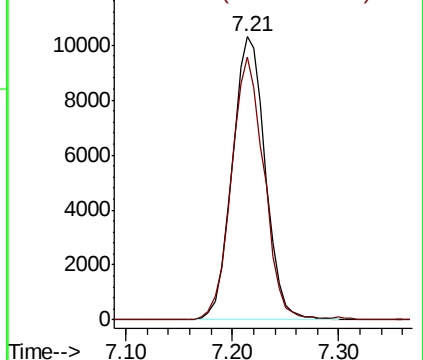
Ion Ratio Lower Upper

130 100

95 92.8 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 5.05 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

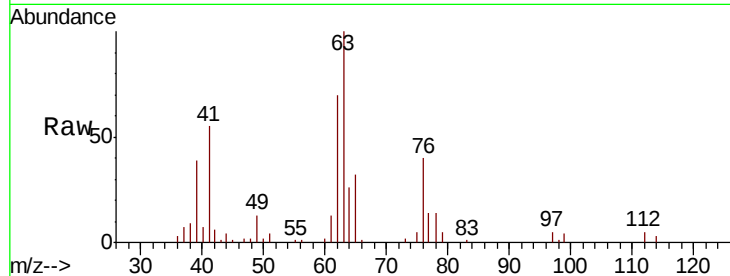
VSTDIC005

Tot Ion: 63 Resp: 18984

Ion Ratio Lower Upper

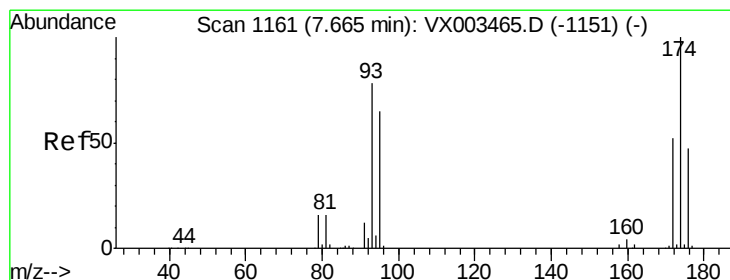
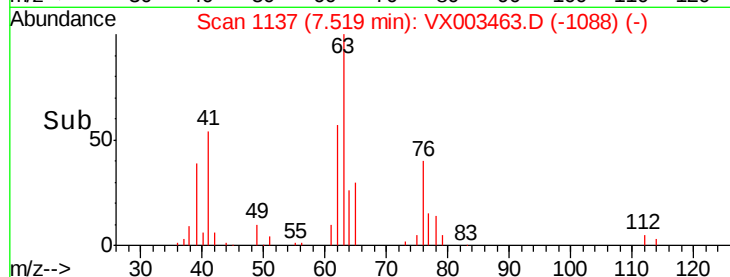
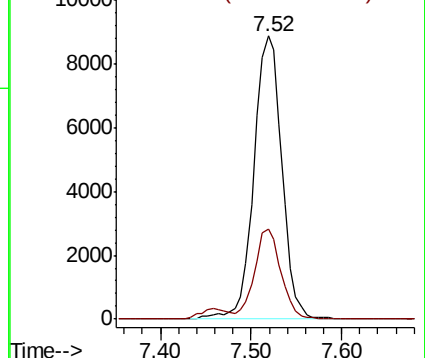
63 100

65 31.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 4.99 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

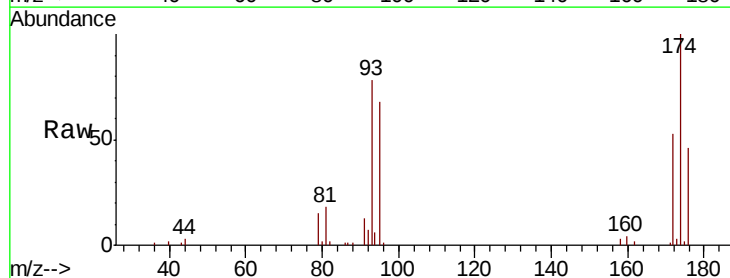
Tgt Ion: 93 Resp: 12073

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

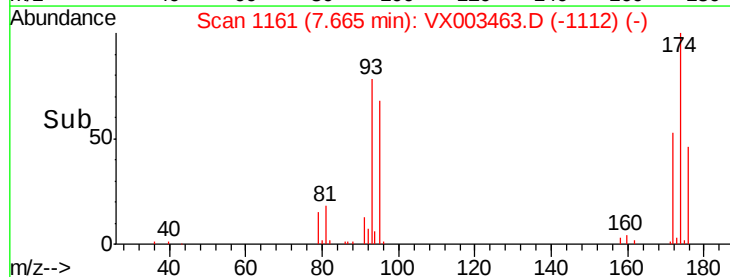
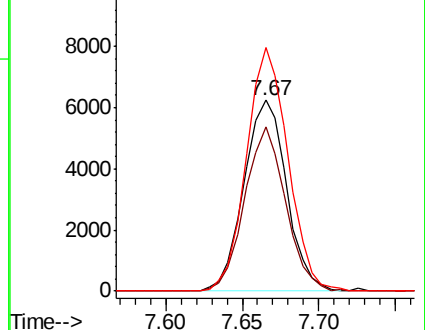
174 124.5 92.4 138.6

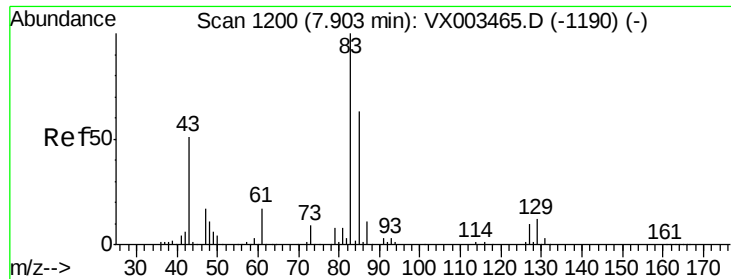


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.75 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

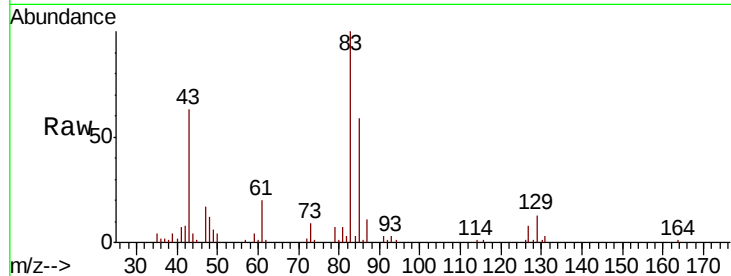
Tot Ion: 83 Resp: 21027

Ion Ratio Lower Upper

83 100

85 59.1 50.3 75.5

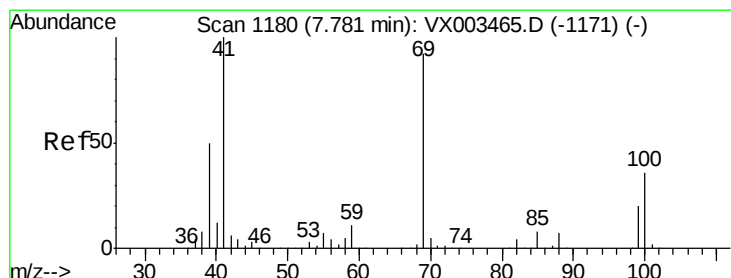
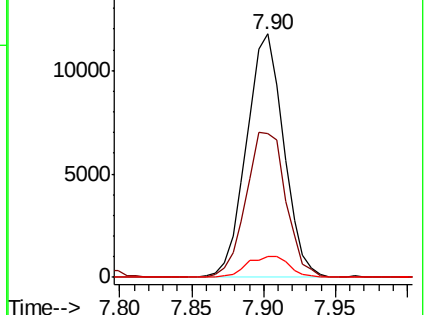
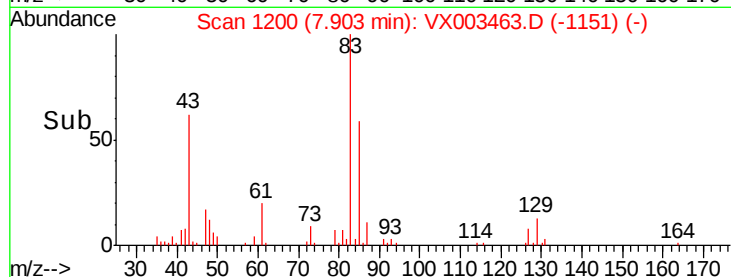
127 8.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.74 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

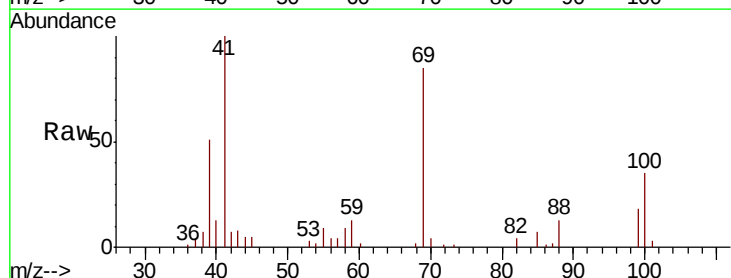
Tgt Ion: 41 Resp: 17663

Ion Ratio Lower Upper

41 100

69 87.5 59.1 88.7

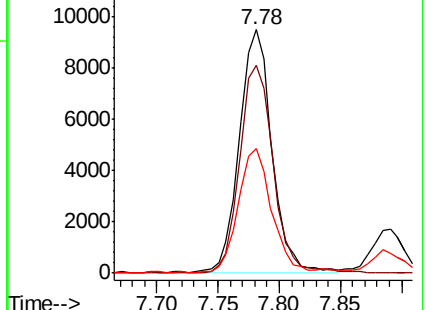
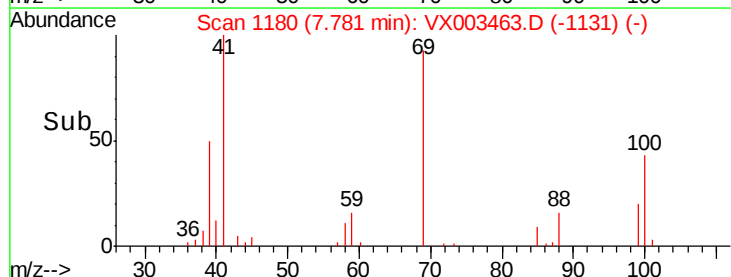
39 52.2 48.9 73.3

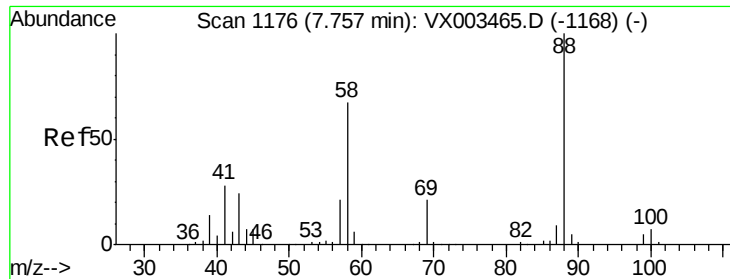


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



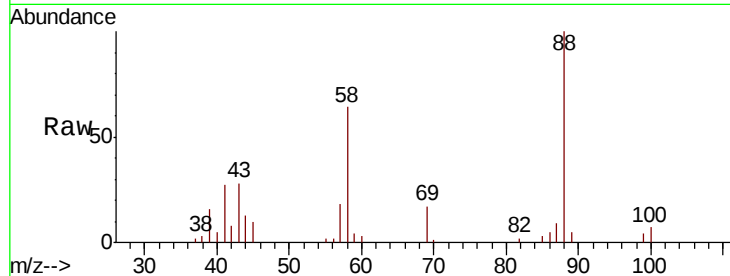


#49
 1,4-Dioxane
 Concen: 103.21 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

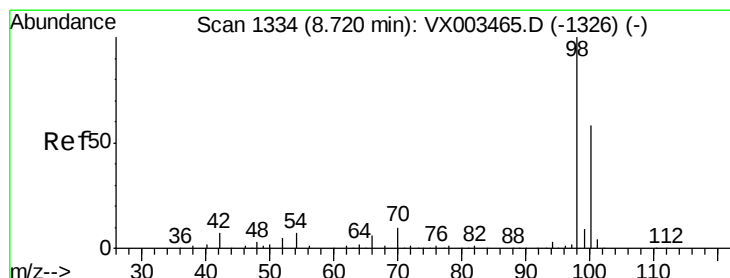
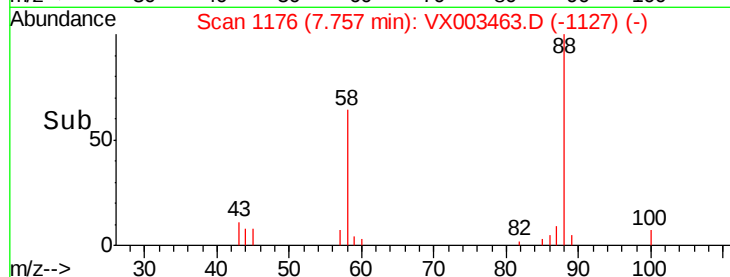
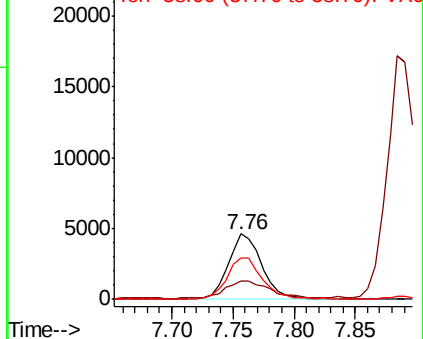
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 8706

Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.6
58	67.8	57.1	85.7



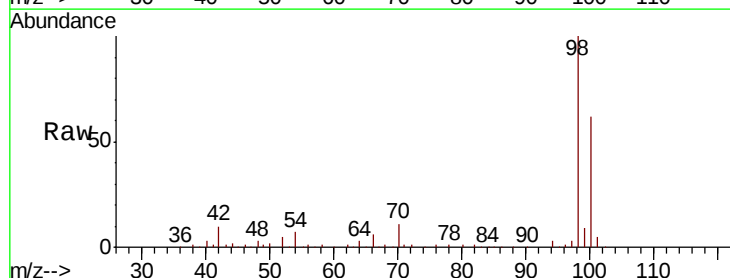
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



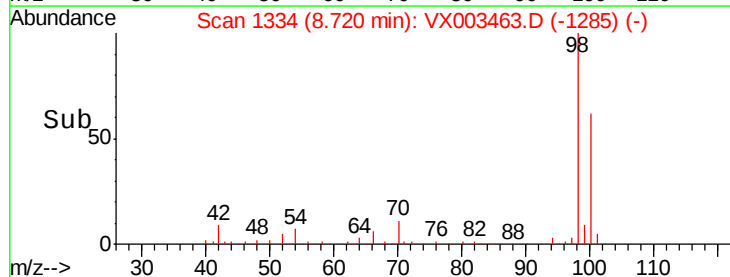
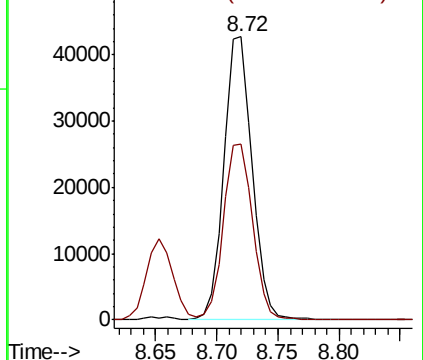
#50
 Toluene-d8
 Concen: 5.23 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

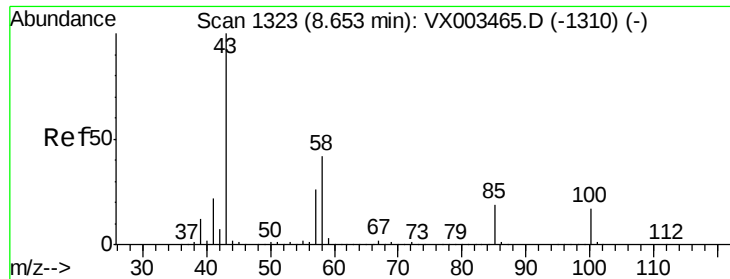
Tgt Ion: 98 Resp: 68007

Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3



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: 24.68 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

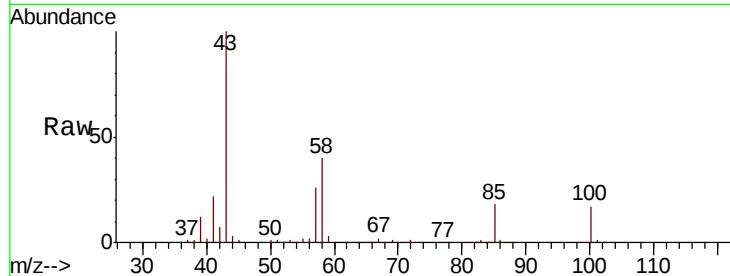
VSTDIC005

Tot Ion: 43 Resp: 115099

Ion Ratio Lower Upper

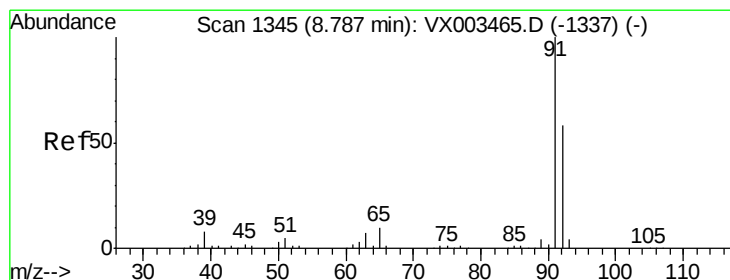
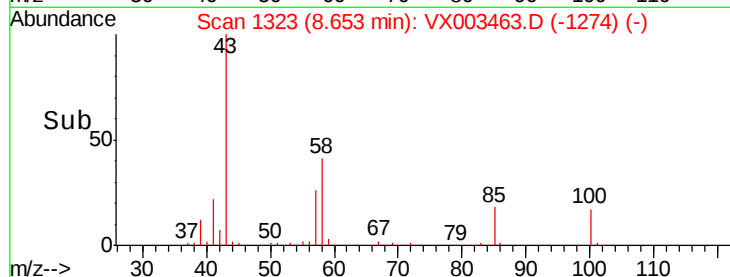
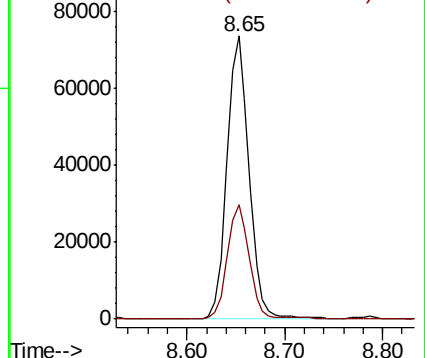
43 100

58 40.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.02 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003463.D

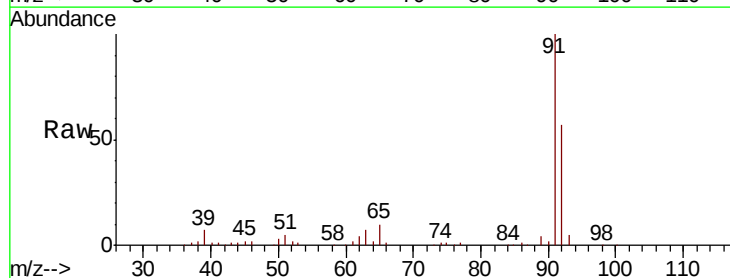
Acq: 19 Jul 2018 13:29

Tgt Ion: 92 Resp: 46806

Ion Ratio Lower Upper

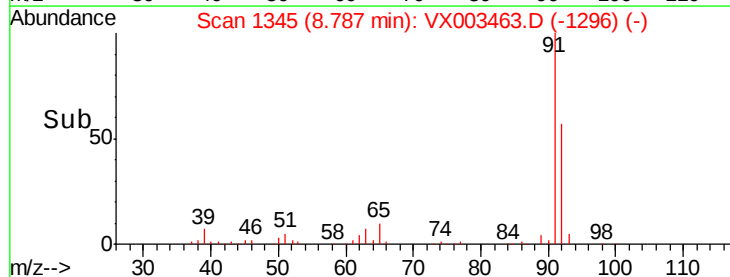
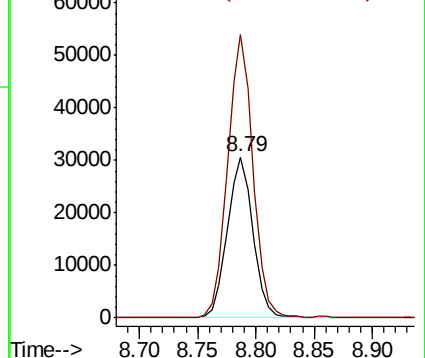
92 100

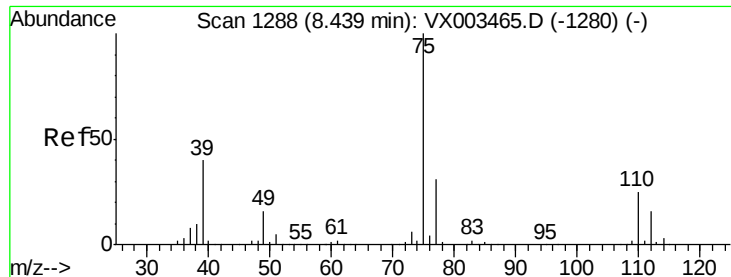
91 173.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 4.60 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

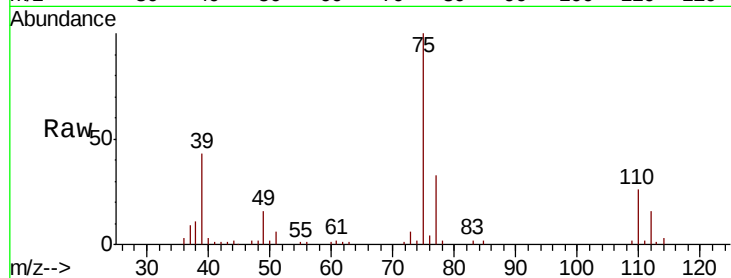
VSTDIC005

Tot Ion: 75 Resp: 25107

Ion Ratio Lower Upper

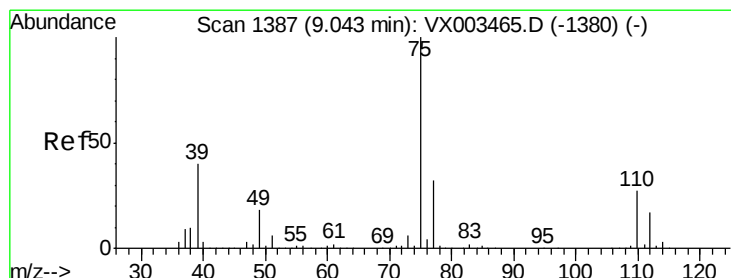
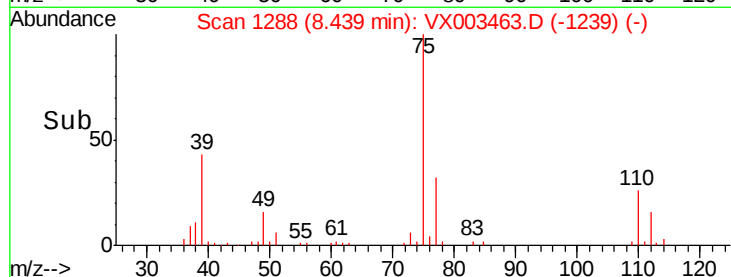
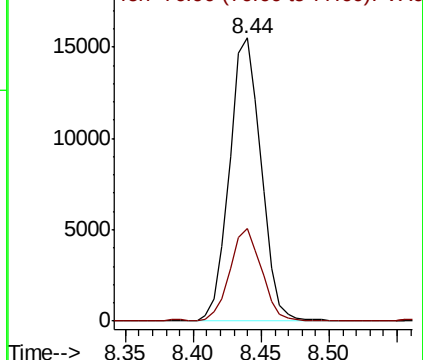
75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.39 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

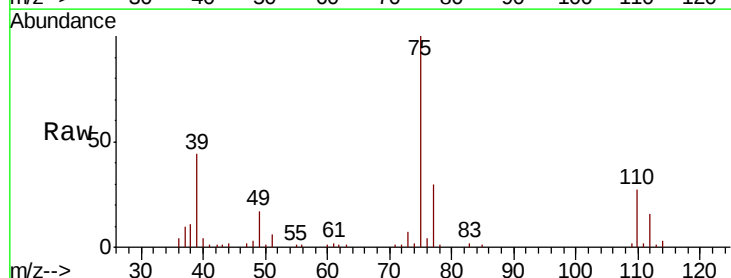
Tgt Ion: 75 Resp: 21523

Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

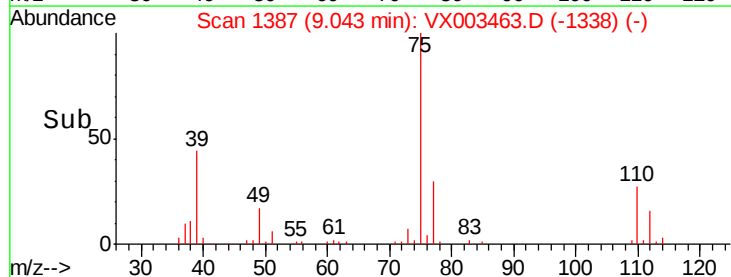
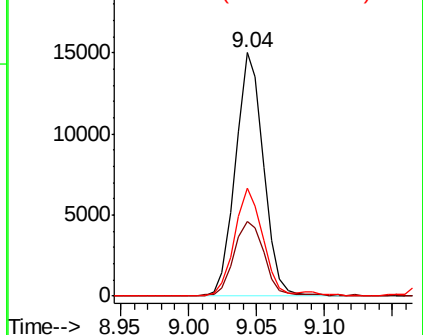
39 44.3 42.4 63.6

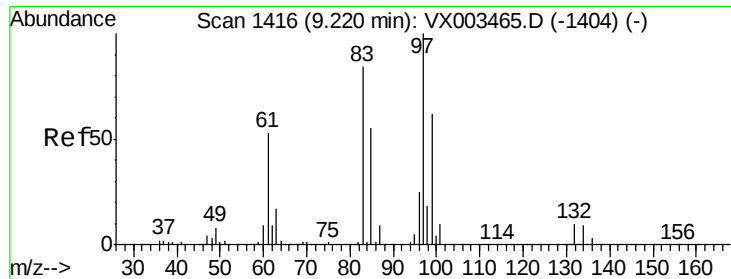


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

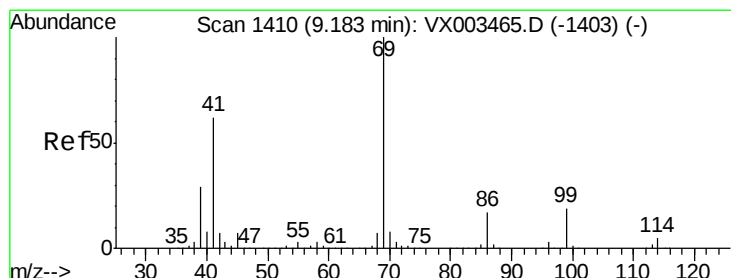
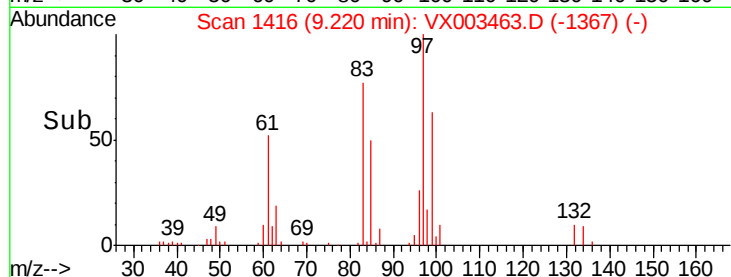
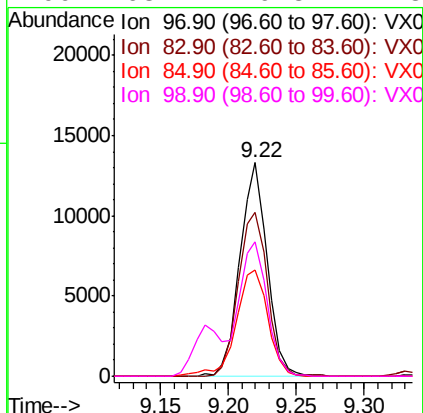
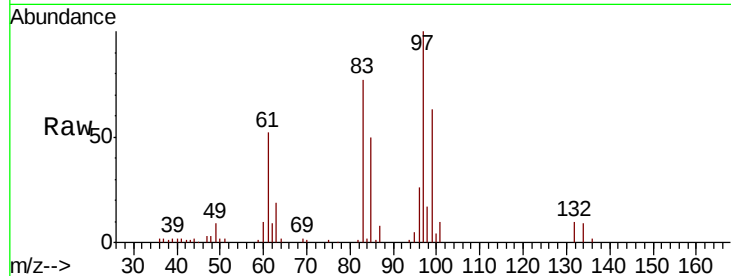




#55
 1,1,2-Trichloroethane
 Concen: 5.02 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

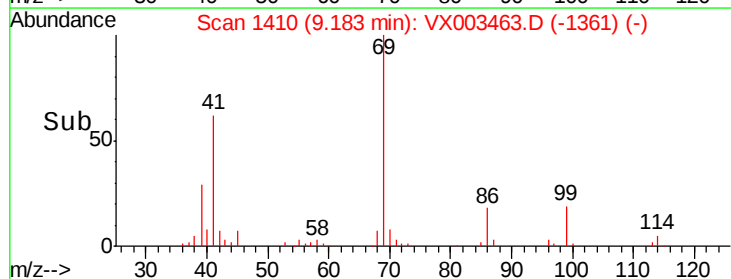
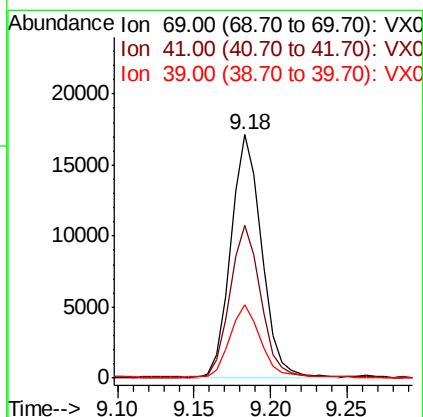
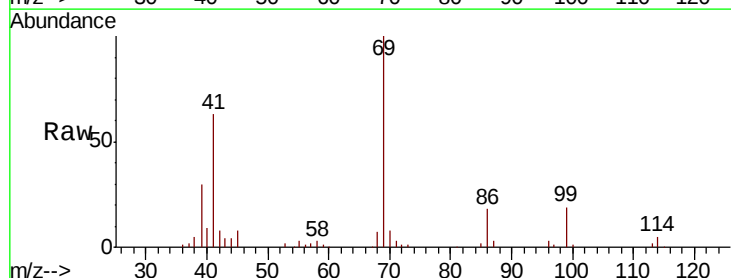
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

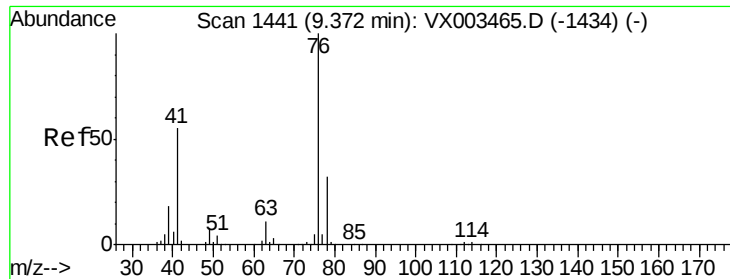
Tot Ion: 97 Resp: 18609
 Ion Ratio Lower Upper
 97 100
 83 76.7 70.2 105.2
 85 49.9 44.9 67.3
 99 63.2 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 4.59 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 69 Resp: 24002
 Ion Ratio Lower Upper
 69 100
 41 62.2 60.3 90.5
 39 31.5 35.8 53.8#





#57

1,3-Dichloropropane

Concen: 5.06 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

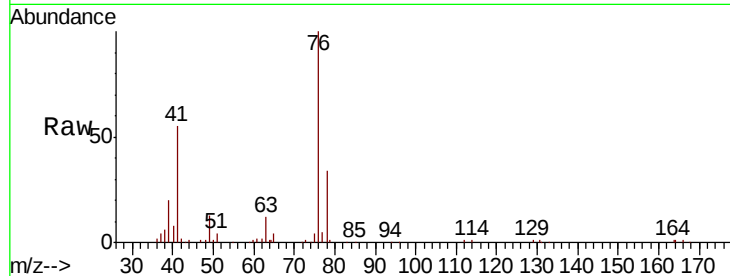
VSTDIC005

Tot Ion: 76 Resp: 30318

Ion Ratio Lower Upper

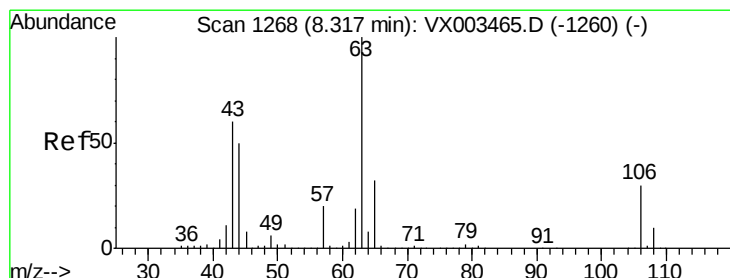
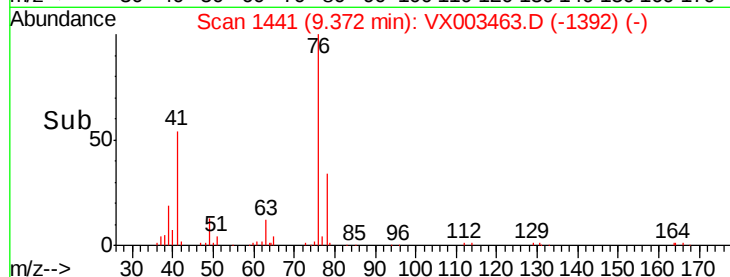
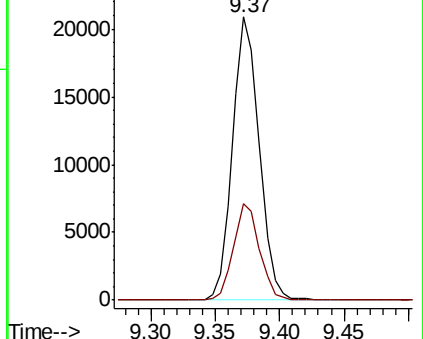
76 100

78 33.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 24.22 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003463.D

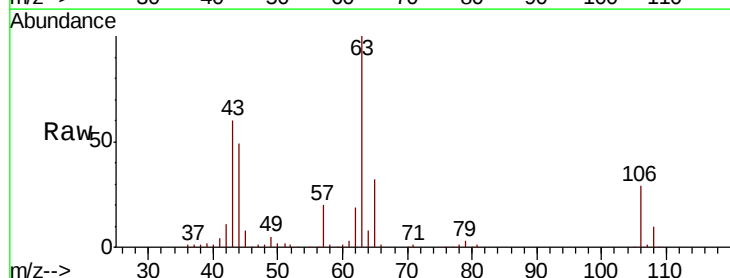
Acq: 19 Jul 2018 13:29

Tgt Ion: 63 Resp: 61520

Ion Ratio Lower Upper

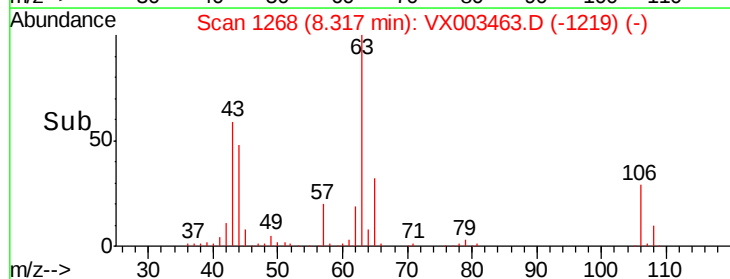
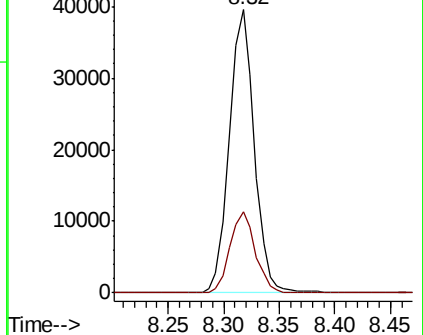
63 100

106 29.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

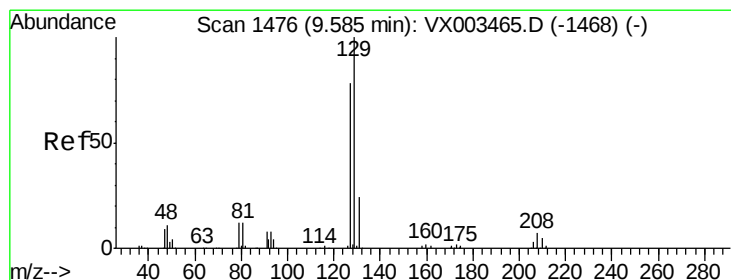
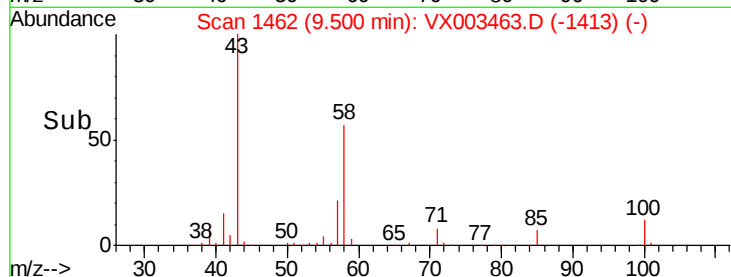
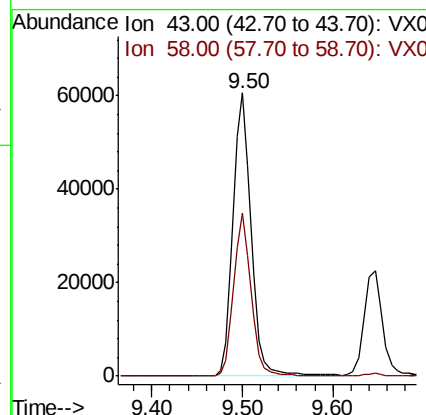
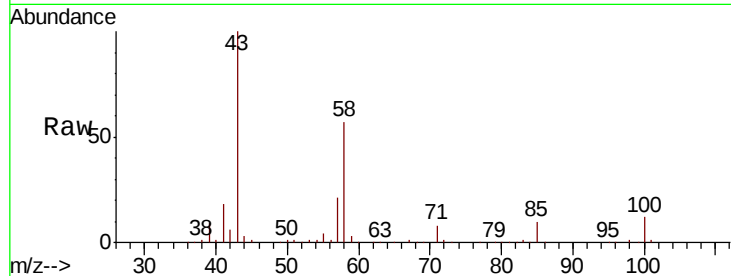




#59
 2-Hexanone
 Concen: 24.35 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

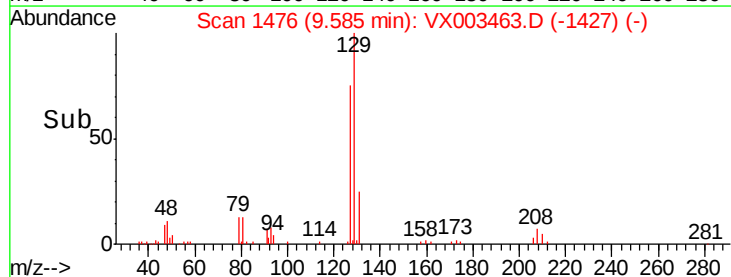
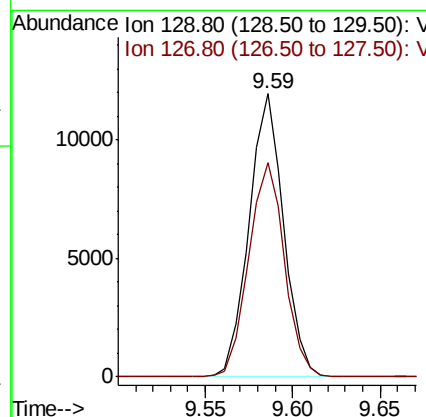
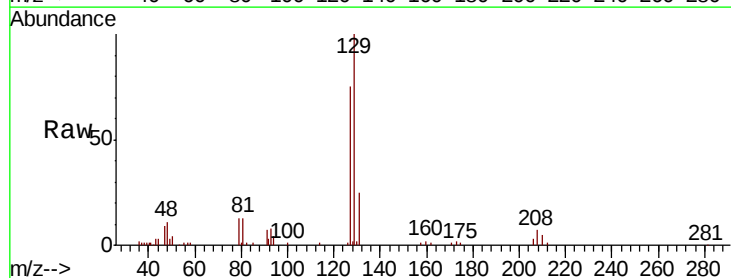
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

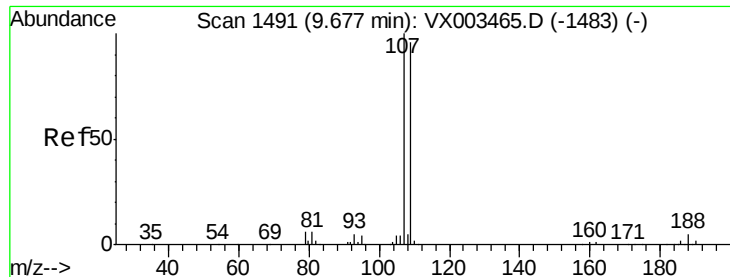
Tot Ion: 43 Resp: 84127
 Ion Ratio Lower Upper
 43 100
 58 55.7 24.6 73.6



#60
 Dibromochloromethane
 Concen: 4.46 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion:129 Resp: 16359
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 4.85 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

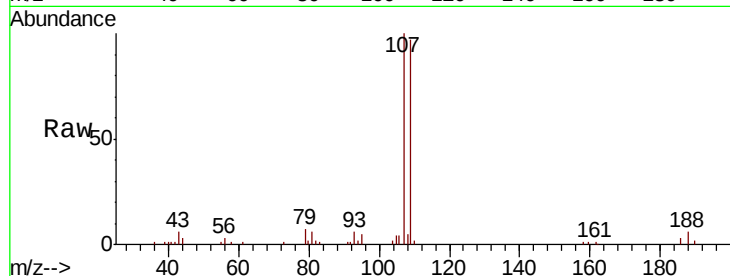
VSTDIC005

Tot Ion:107 Resp: 18628

Ion Ratio Lower Upper

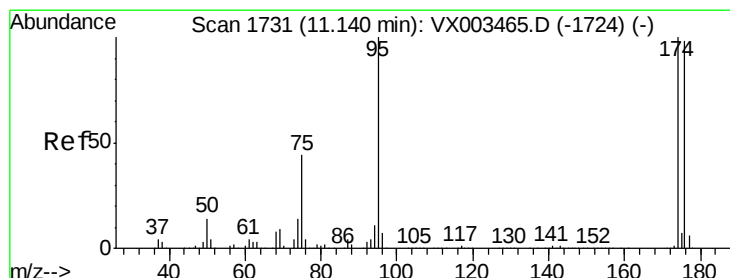
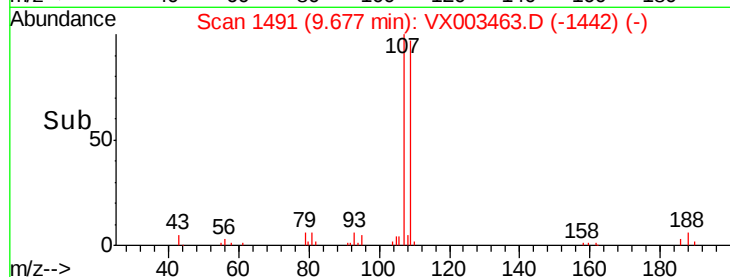
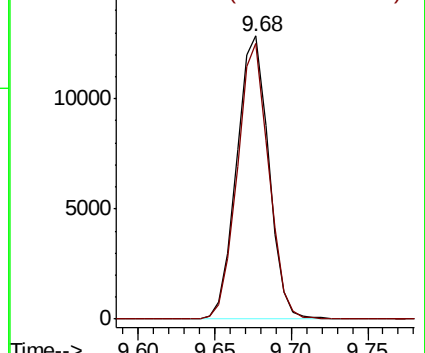
107 100

109 95.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

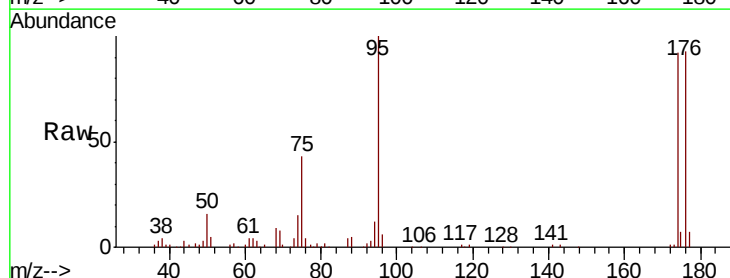
Tgt Ion: 95 Resp: 23805

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

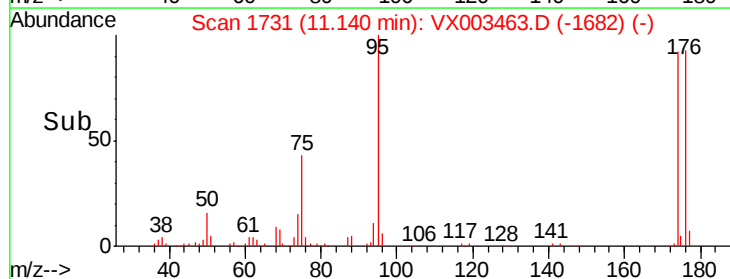
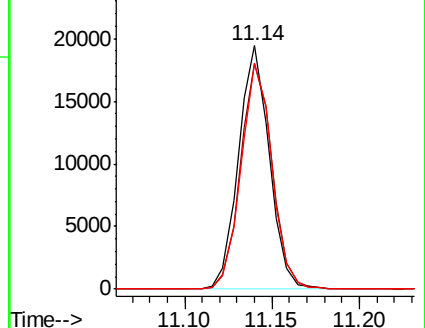
176 93.3 0.0 181.0

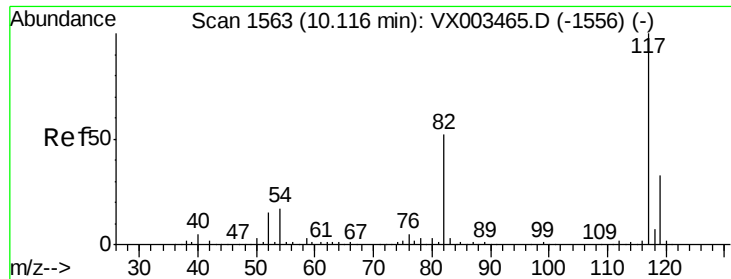


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

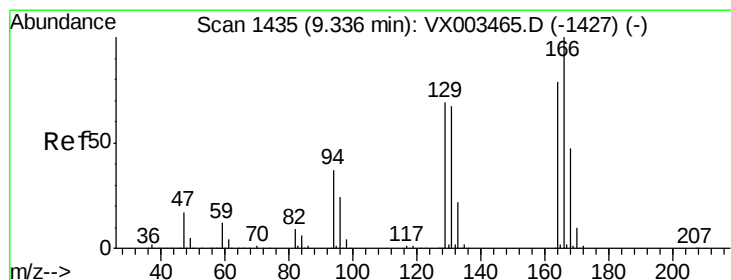
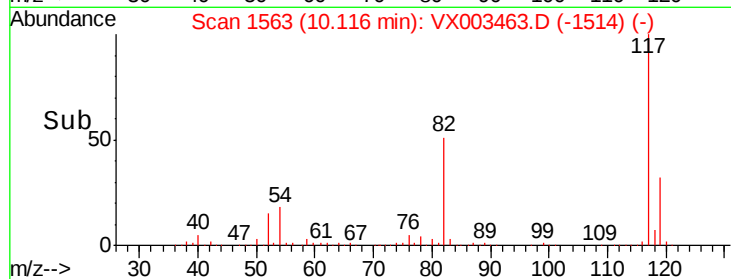
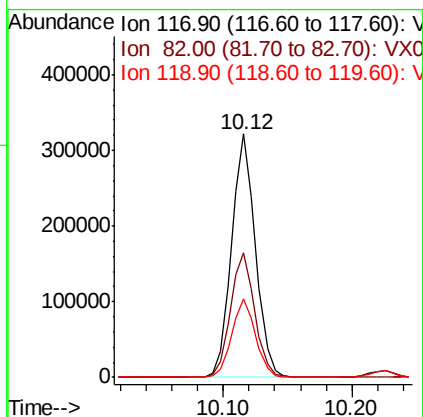
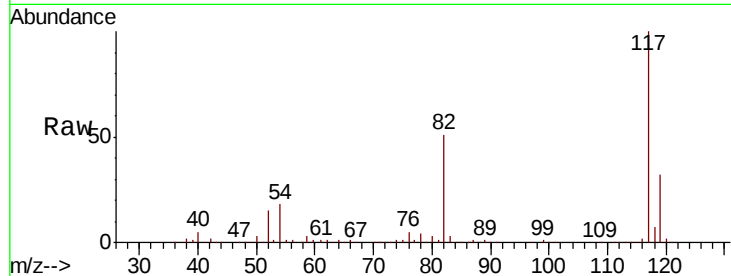




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

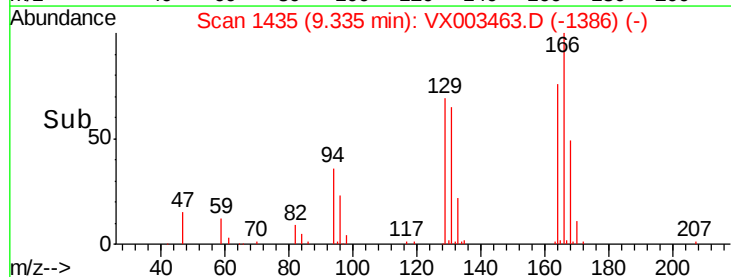
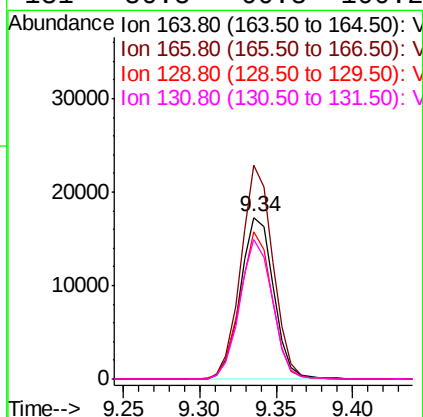
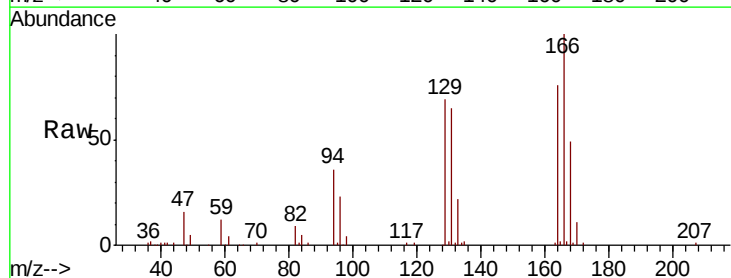
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

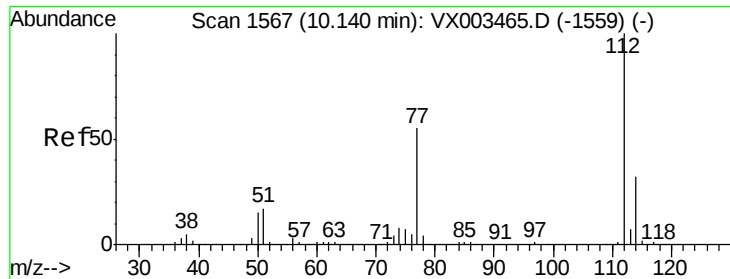
Tot Ion:117 Resp: 416588
Ion Ratio Lower Upper
117 100
82 51.2 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 5.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:164 Resp: 26048
Ion Ratio Lower Upper
164 100
166 132.1 102.9 154.3
129 90.8 68.6 102.8
131 86.5 66.8 100.2





#65

Chlorobenzene

Concen: 5.02 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

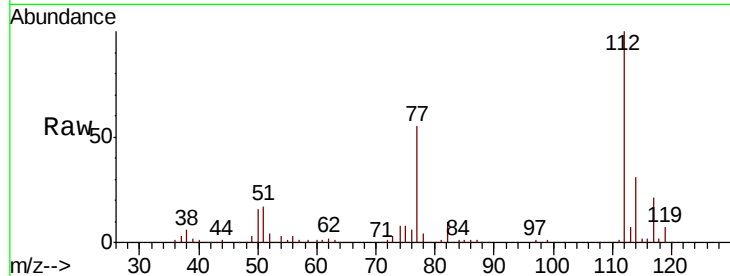
VSTDIC005

Tot Ion:112 Resp: 53925

Ion Ratio Lower Upper

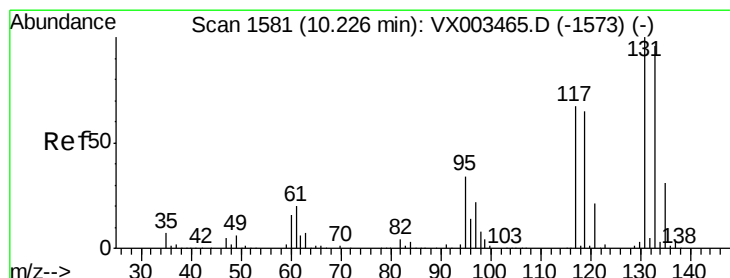
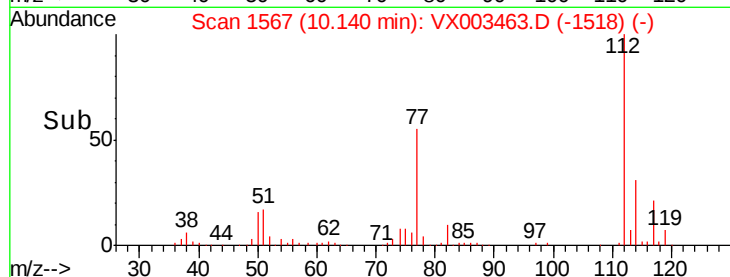
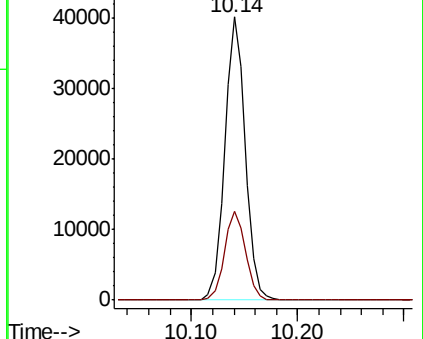
112 100

114 31.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.77 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

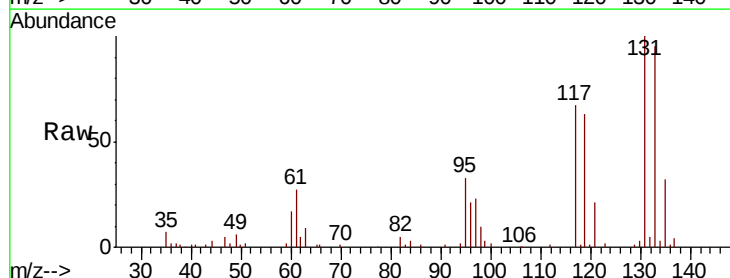
Tgt Ion:131 Resp: 17626

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.6

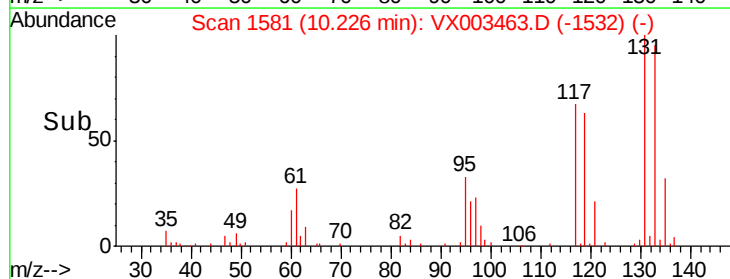
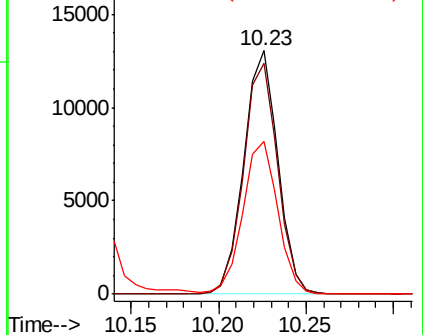
119 64.3 31.8 95.3

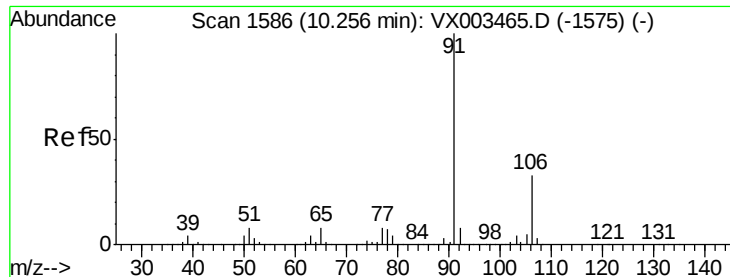


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

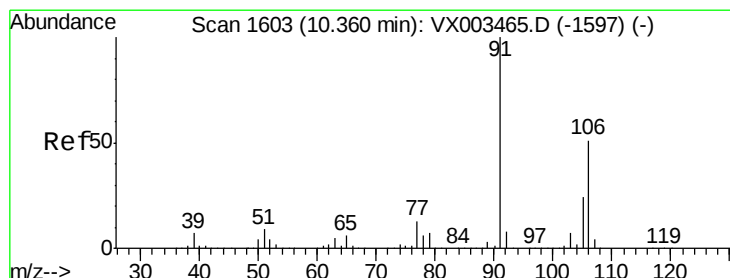
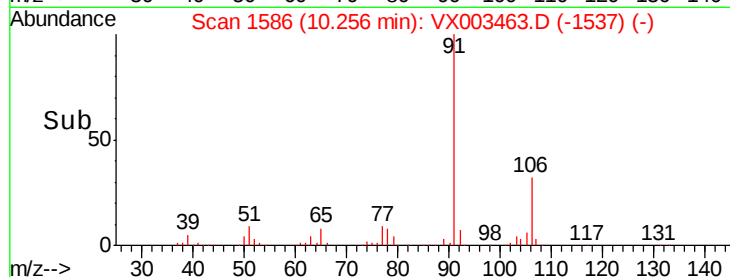
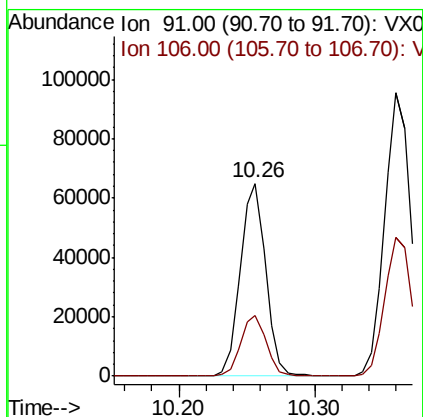
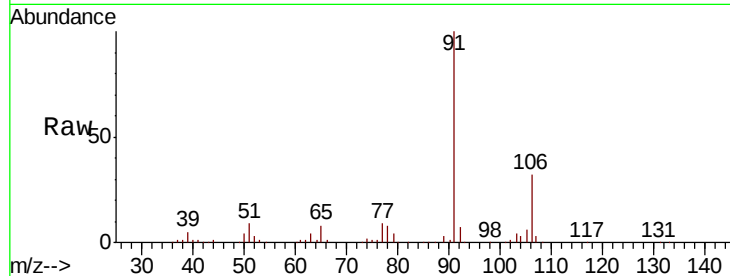




#67
Ethyl Benzene
Concen: 4.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

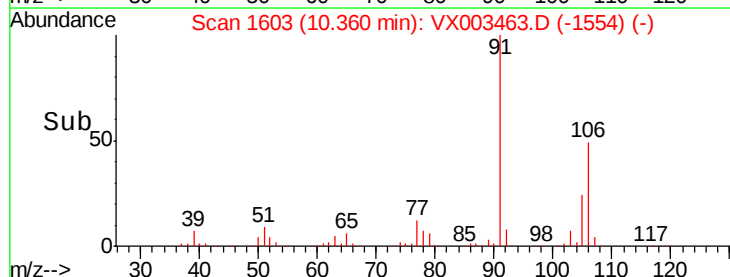
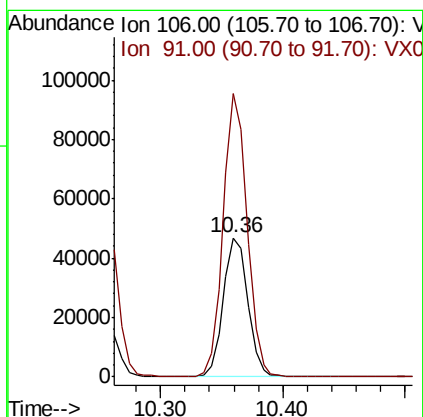
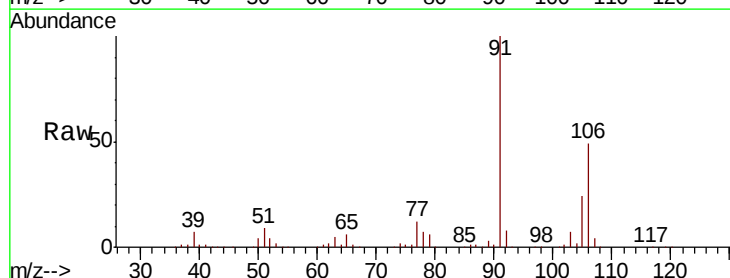
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

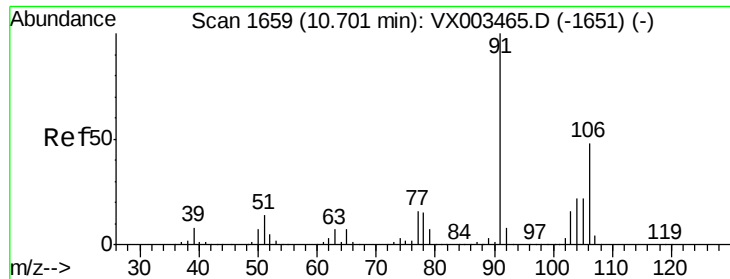
Tot Ion: 91 Resp: 84751
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 9.69 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 106 Resp: 65559
Ion Ratio Lower Upper
106 100
91 197.0 163.4 245.2

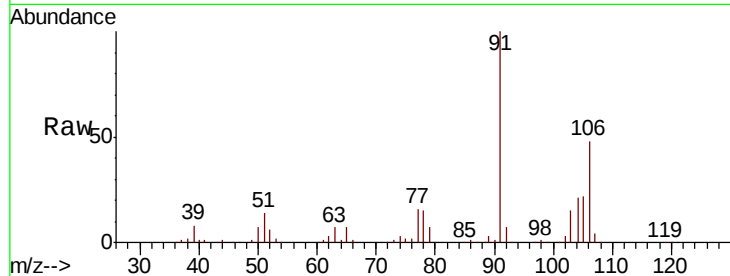




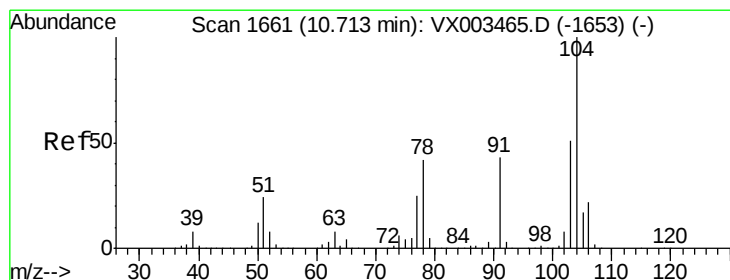
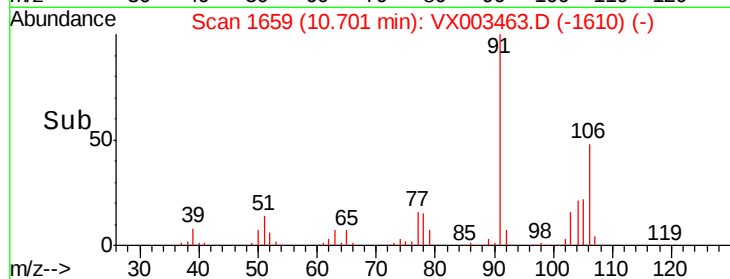
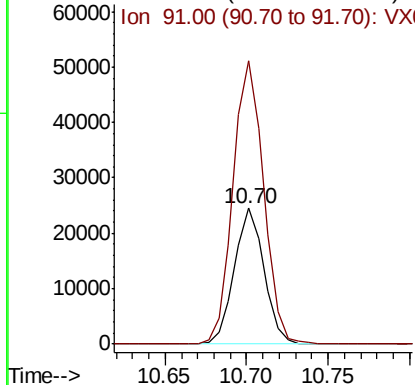
#69
o-Xylene
Concen: 4.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 31155
Ion Ratio Lower Upper
106 100
91 215.6 108.2 324.6

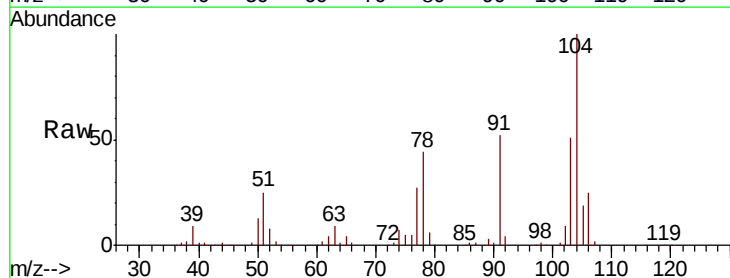


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

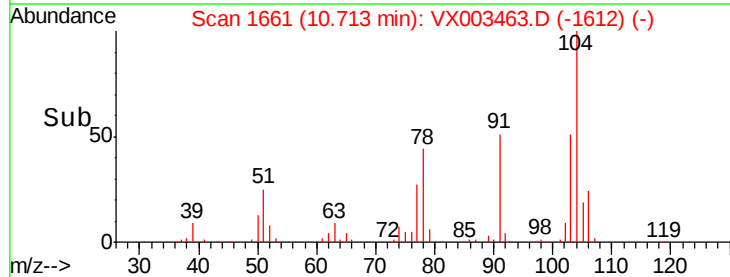
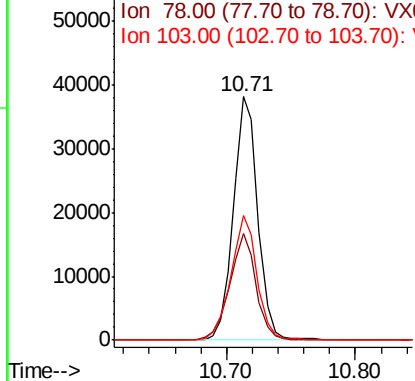


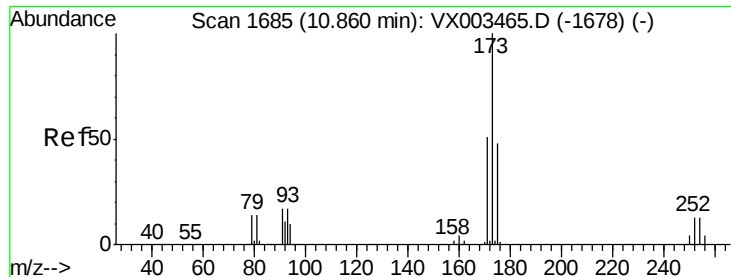
#70
Styrene
Concen: 4.69 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:104 Resp: 50503
Ion Ratio Lower Upper
104 100
78 47.1 41.0 61.6
103 54.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

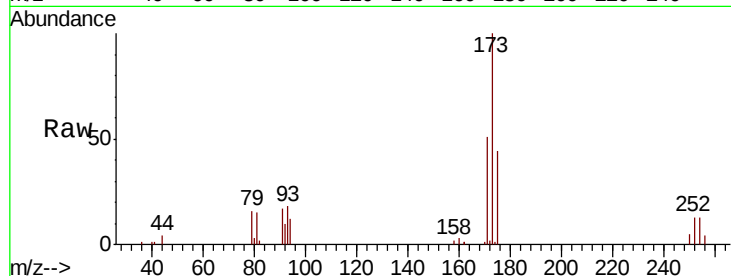




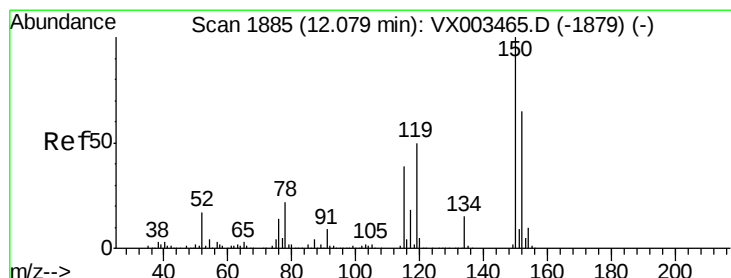
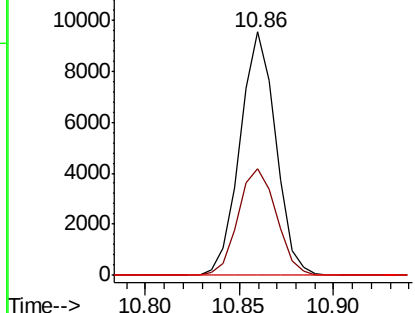
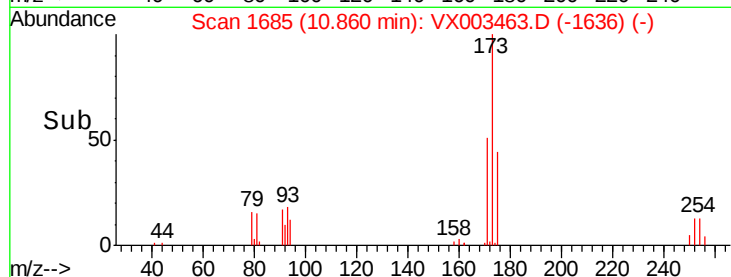
#71
Bromoform
Concen: 4.37 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 12526
Ion Ratio Lower Upper
173 100
175 47.1 24.7 74.1
254 0.0 0.2 0.2#

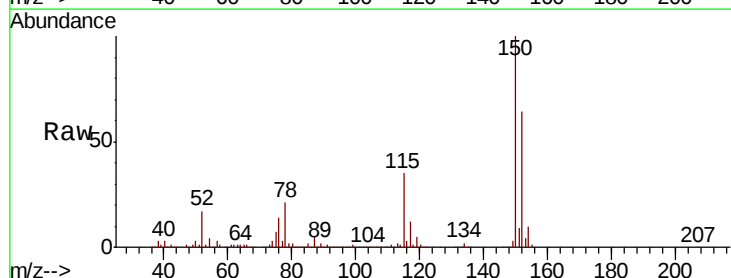


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

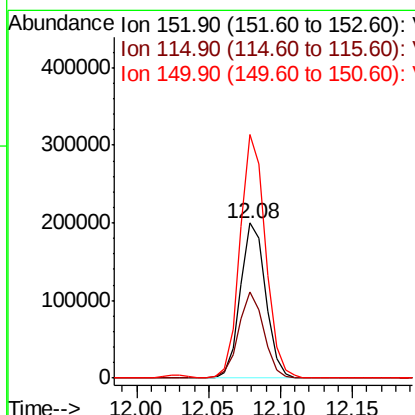
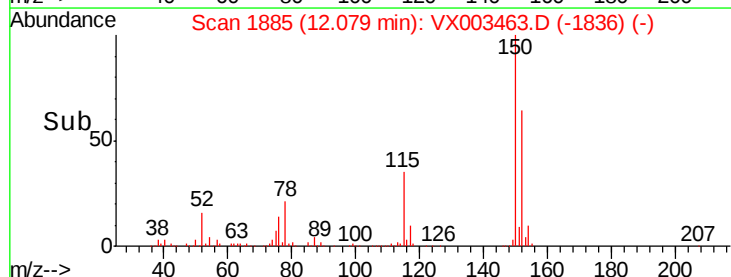


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:152 Resp: 243766
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 157.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 5.03 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

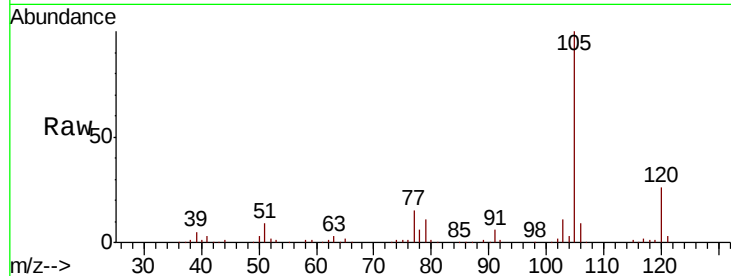
VSTDIC005

Tot Ion:105 Resp: 84766

Ion Ratio Lower Upper

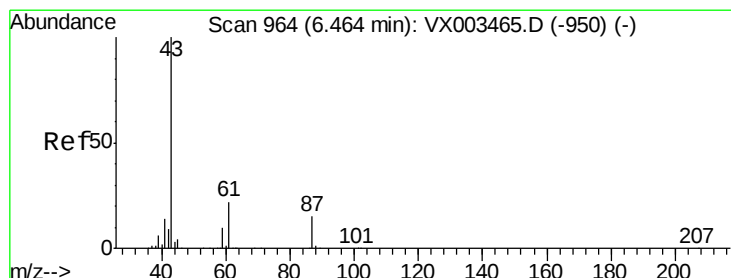
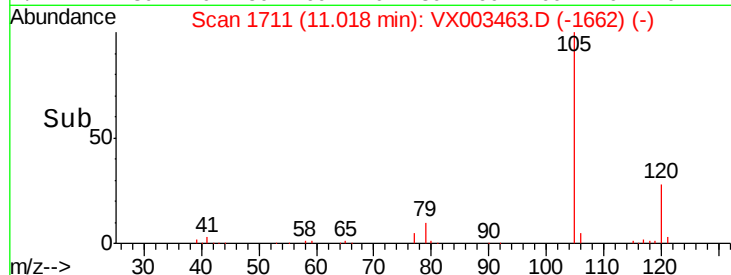
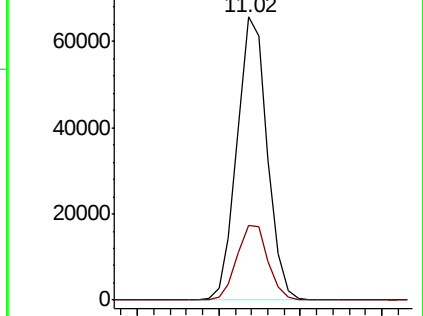
105 100

120 27.2 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: 5.07 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion: 43 Resp: 36281

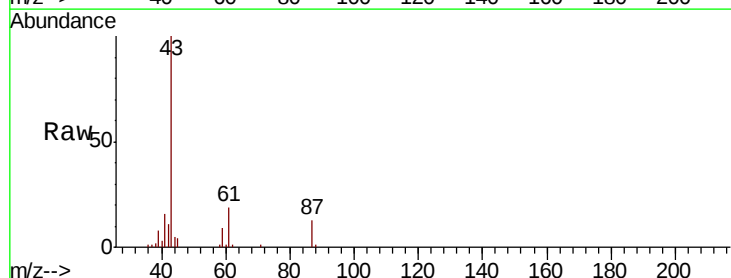
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.4 14.4 21.6

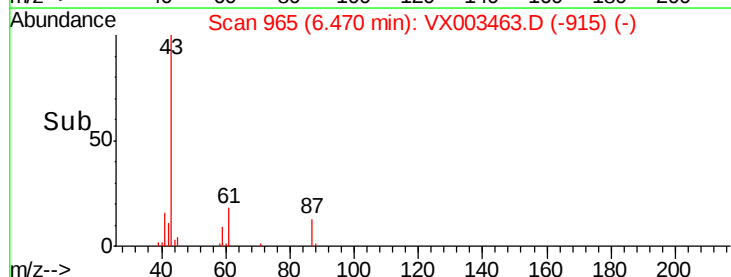
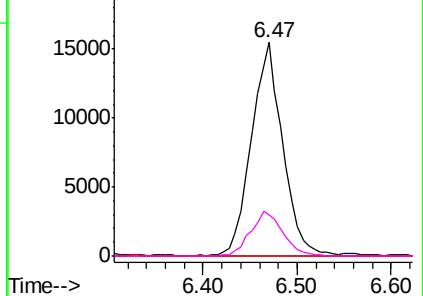


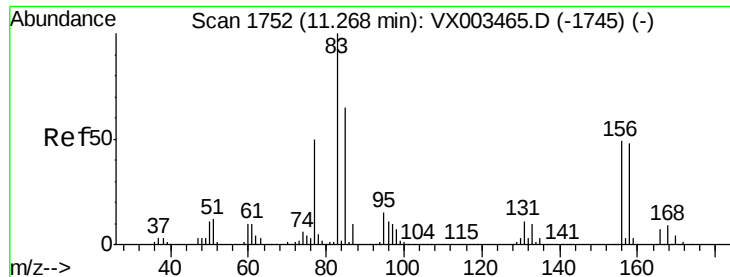
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

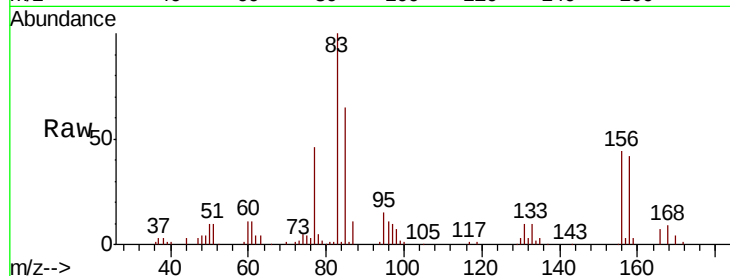
Tot Ion: 83 Resp: 25566

Ion Ratio Lower Upper

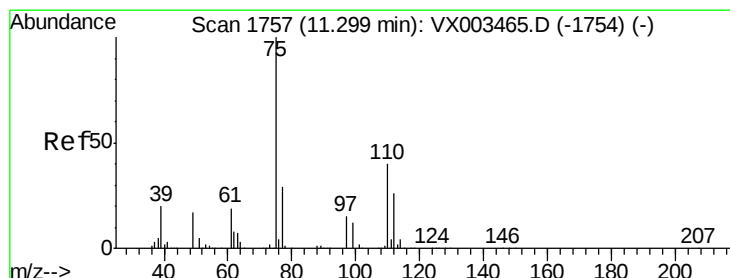
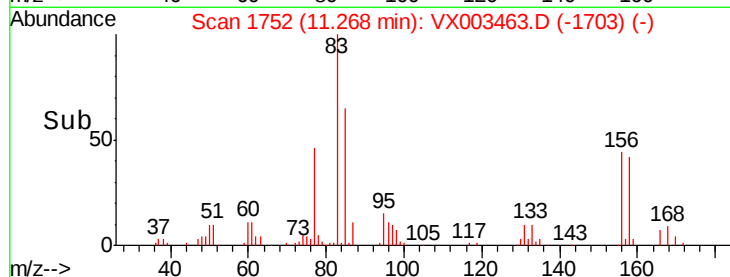
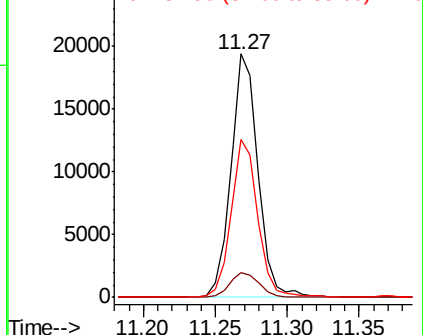
83 100

131 10.9 5.6 16.8

85 64.1 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 6.45 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003463.D

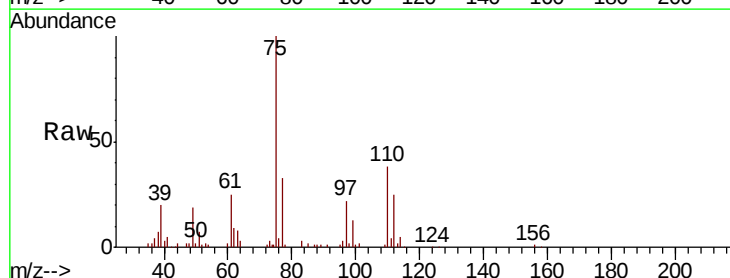
Acq: 19 Jul 2018 13:29

Tgt Ion: 75 Resp: 28262

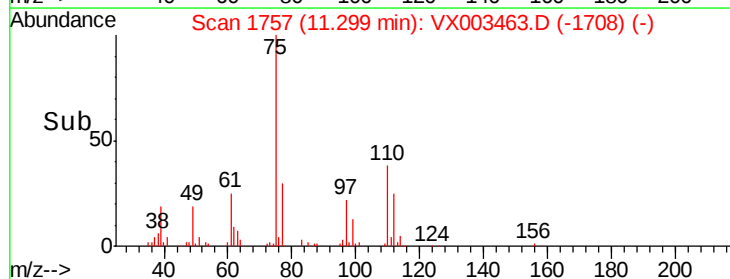
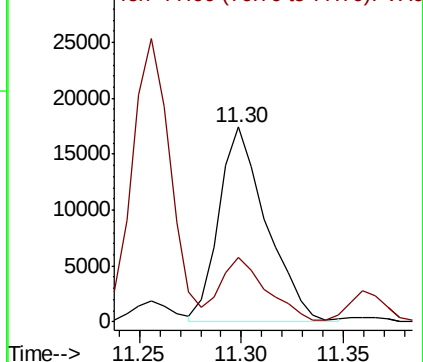
Ion Ratio Lower Upper

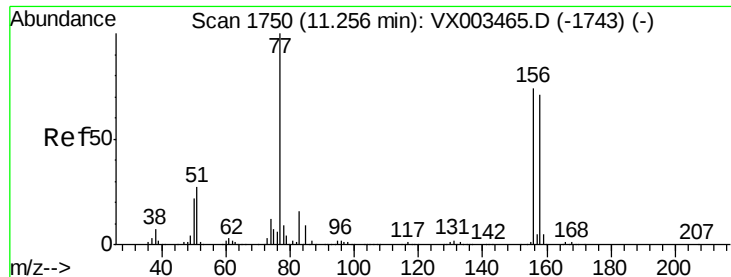
75 100

77 32.2 22.8 68.3



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





#77

Bromobenzene

Concen: 4.99 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

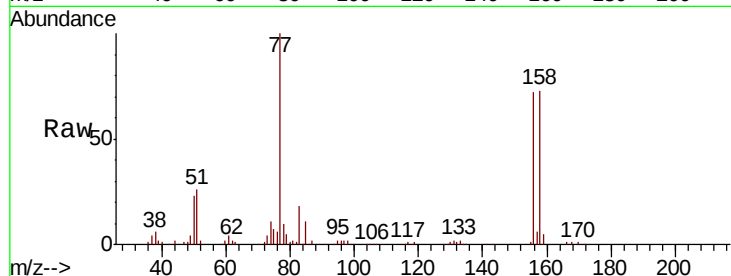
Tot Ion:156 Resp: 24217

Ion Ratio Lower Upper

156 100

77 135.8 71.4 214.2

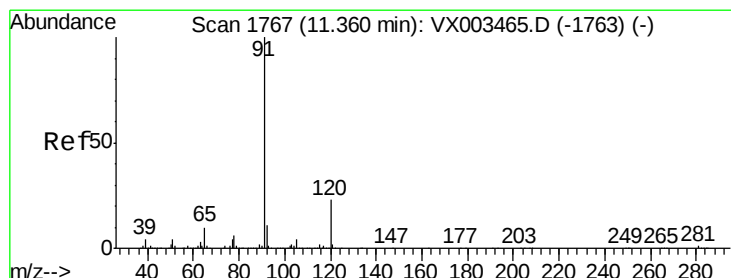
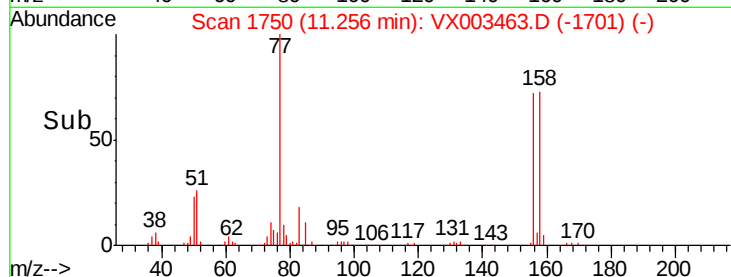
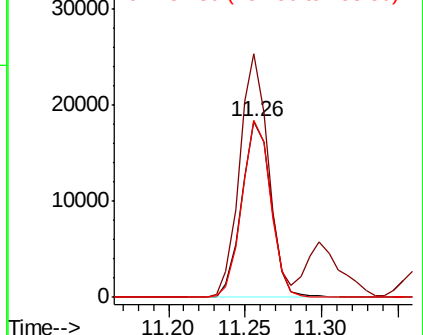
158 98.7 48.9 146.6



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: 4.90 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003463.D

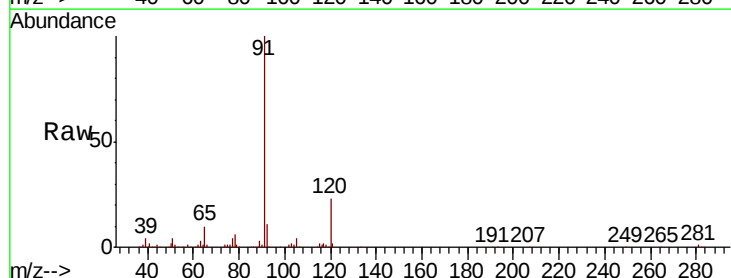
Acq: 19 Jul 2018 13:29

Tgt Ion: 91 Resp: 91825

Ion Ratio Lower Upper

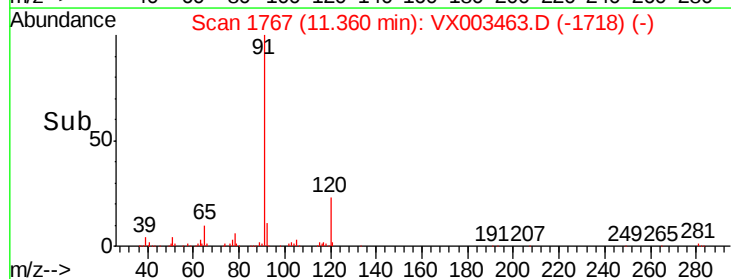
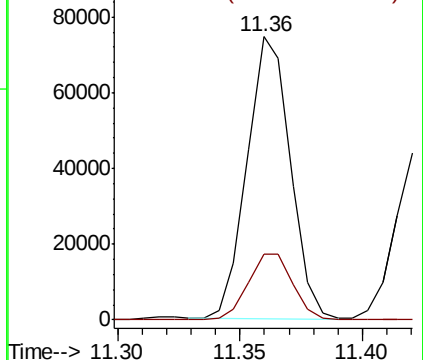
91 100

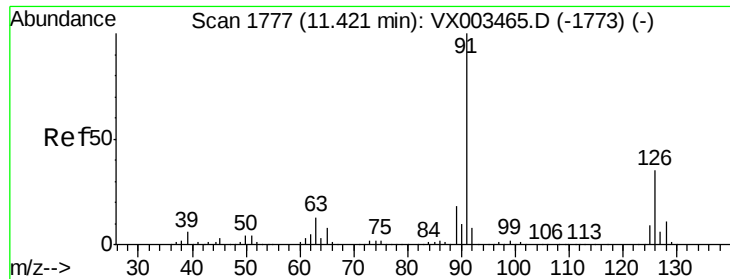
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

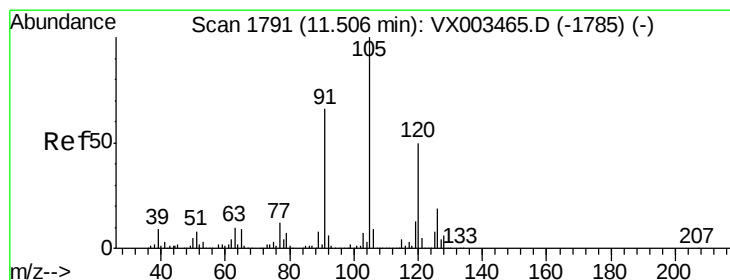
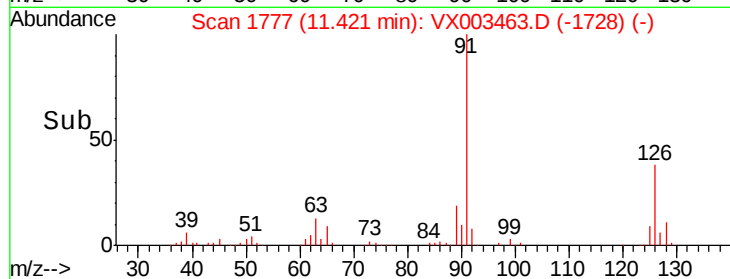
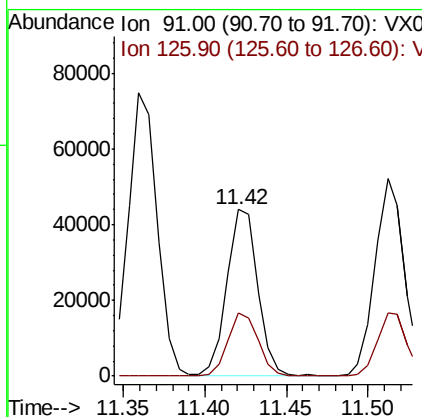
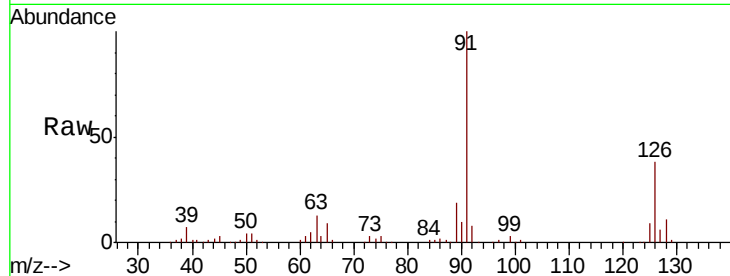




#79
 2-Chlorotoluene
 Concen: 5.05 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

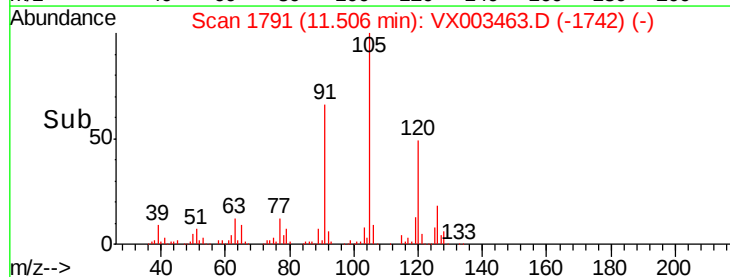
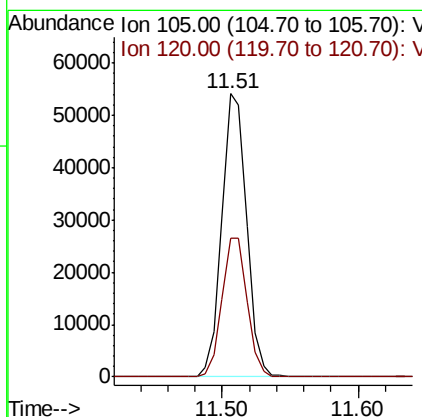
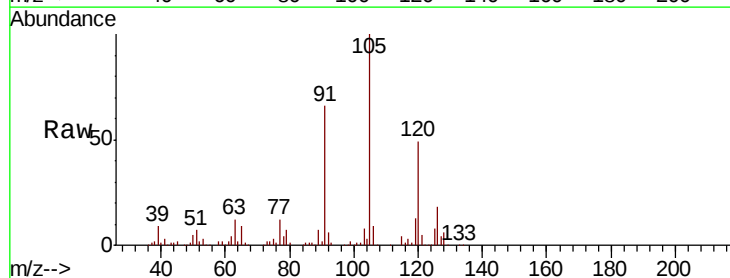
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

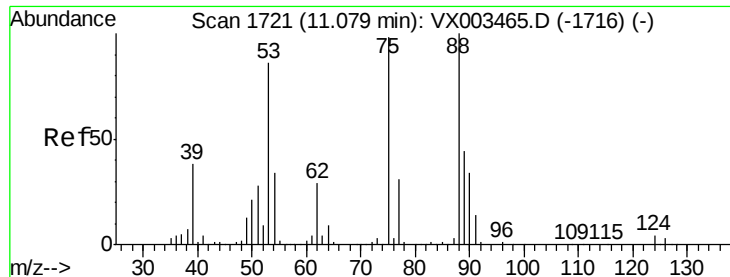
Tot Ion: 91 Resp: 57480
 Ion Ratio Lower Upper
 91 100
 126 37.4 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 4.95 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 105 Resp: 68543
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 6.03 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

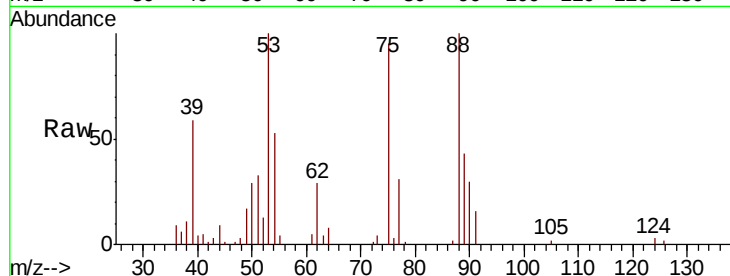
Tot Ion: 75 Resp: 5925

Ion Ratio Lower Upper

75 100

53 104.7 86.8 130.2

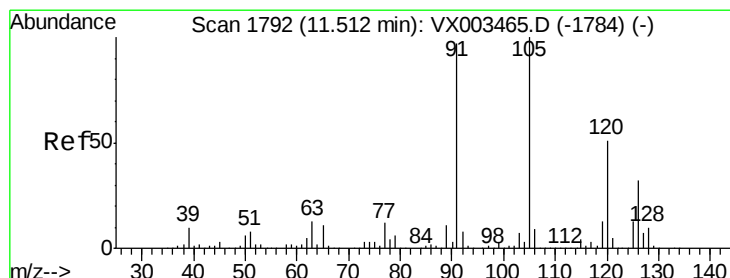
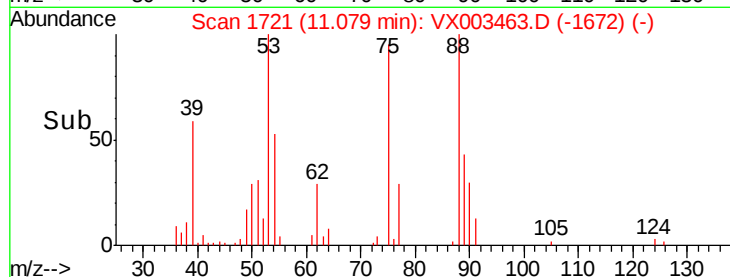
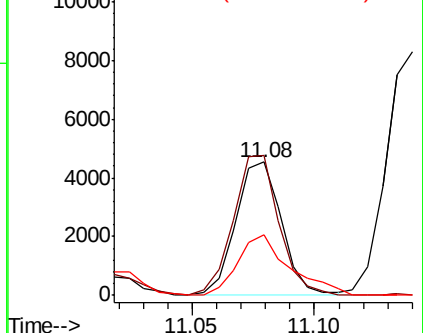
89 51.5 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 4.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003463.D

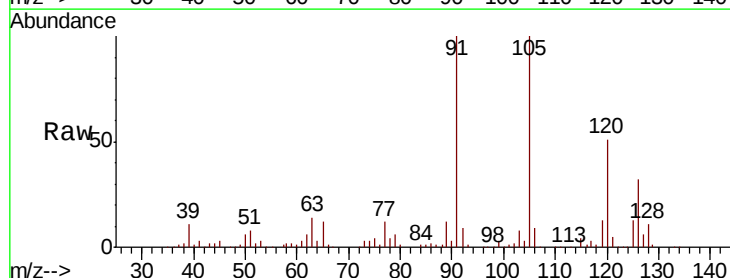
Acq: 19 Jul 2018 13:29

Tgt Ion: 91 Resp: 65700

Ion Ratio Lower Upper

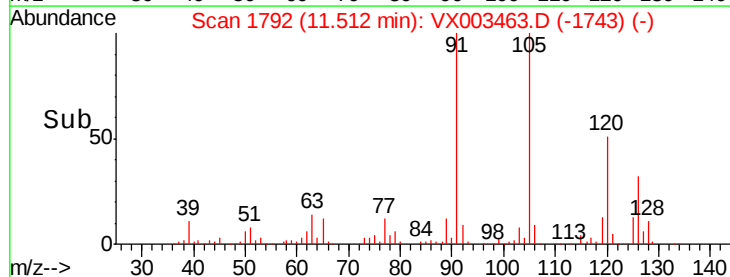
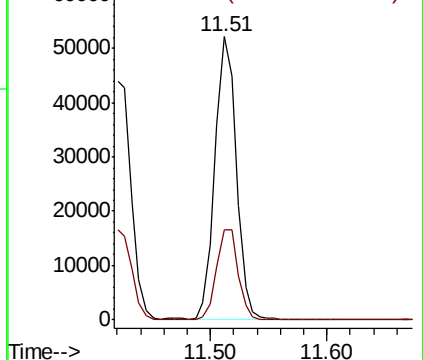
91 100

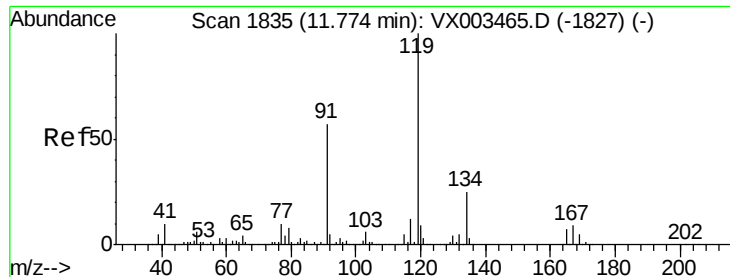
126 32.7 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

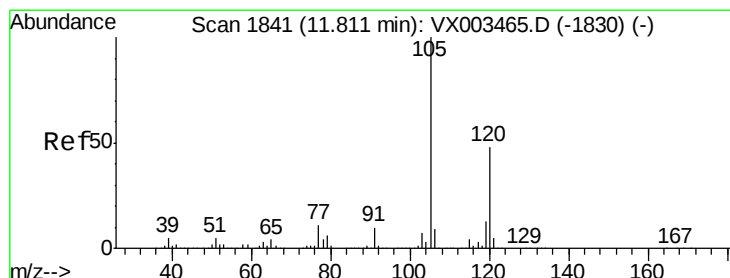
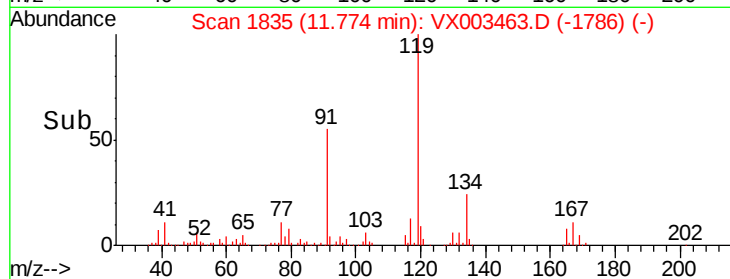
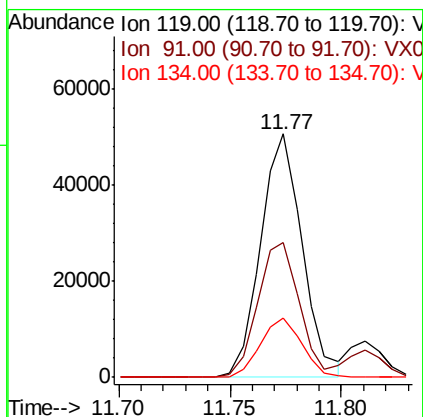
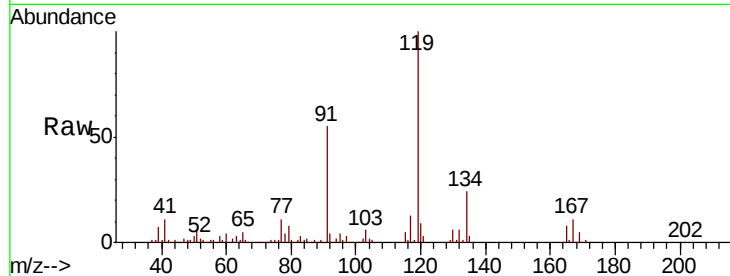




#83
 tert-Butylbenzene
 Concen: 4.86 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

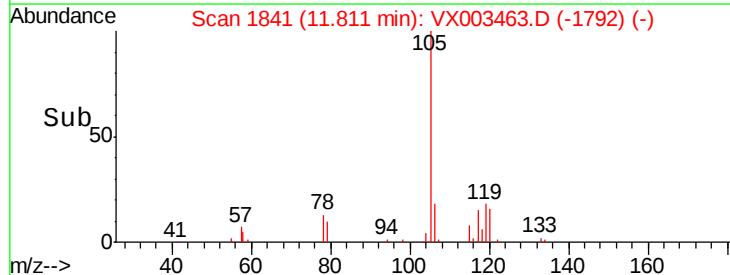
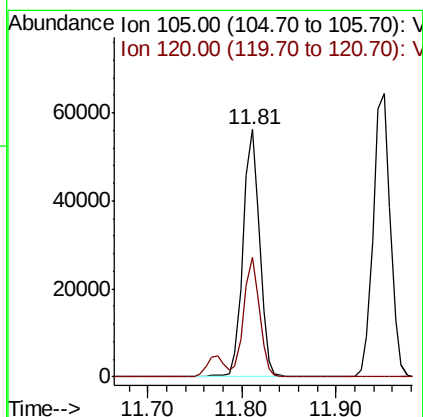
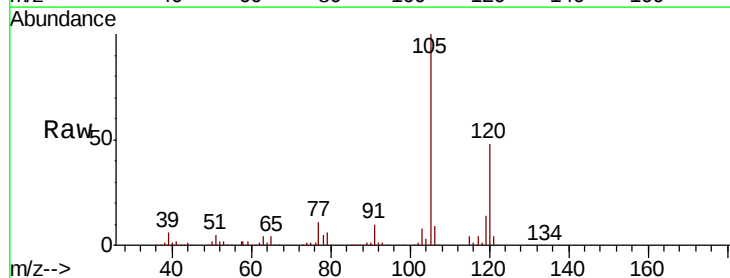
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

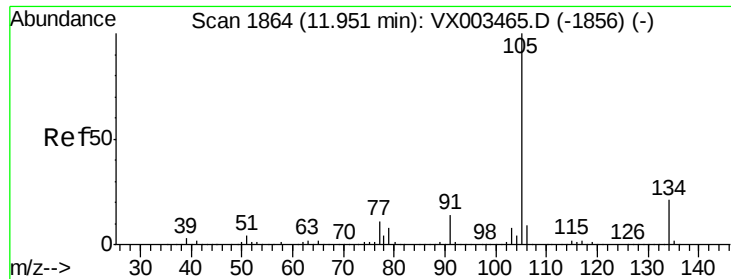
Tot Ion:119 Resp: 65953
 Ion Ratio Lower Upper
 119 100
 91 55.3 30.3 90.9
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion:105 Resp: 69143
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 4.95 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

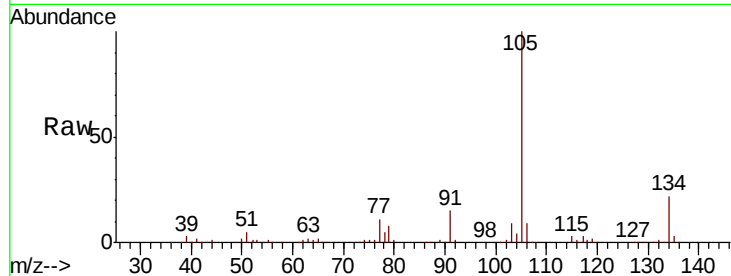
VSTDIC005

Tot Ion:105 Resp: 81602

Ion Ratio Lower Upper

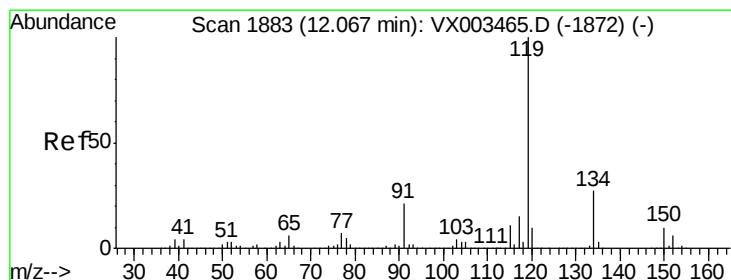
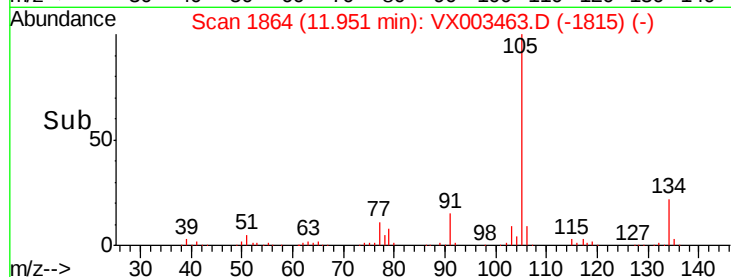
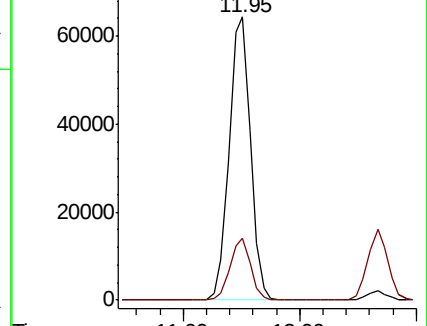
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.82 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

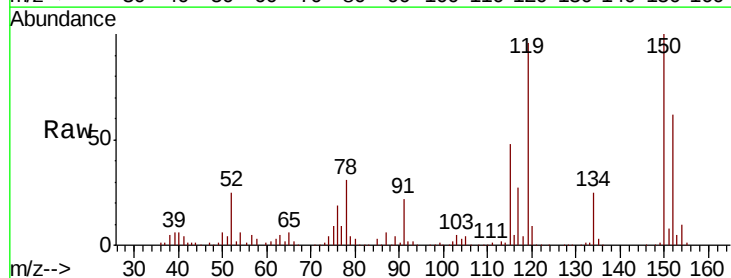
Tgt Ion:119 Resp: 71241

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

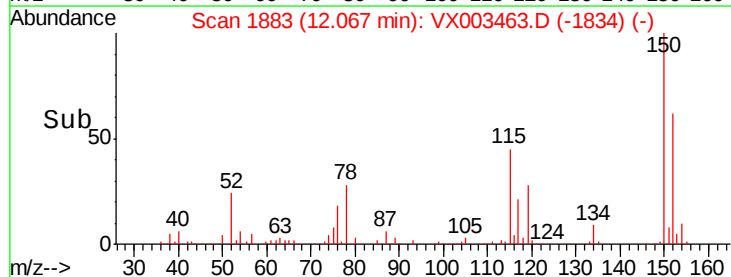
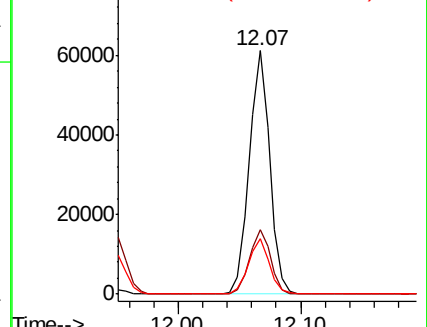
91 23.4 11.9 35.7

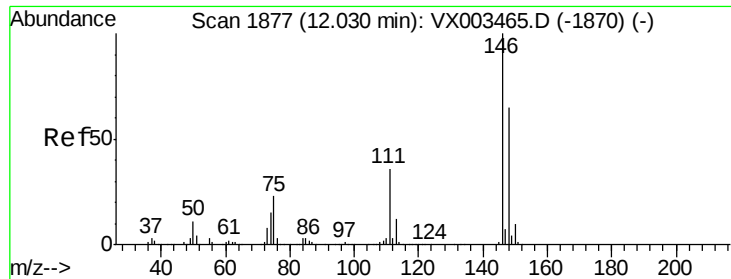


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 5.02 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

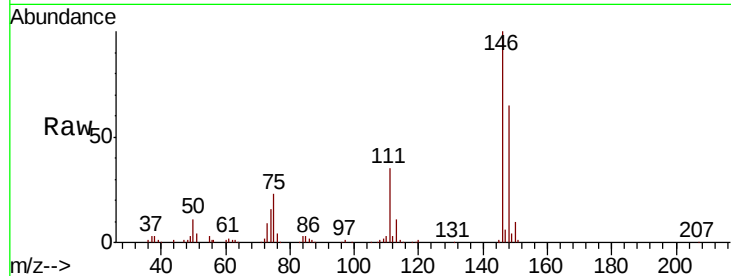
Tot Ion:146 Resp: 44784

Ion Ratio Lower Upper

146 100

111 36.2 18.9 56.7

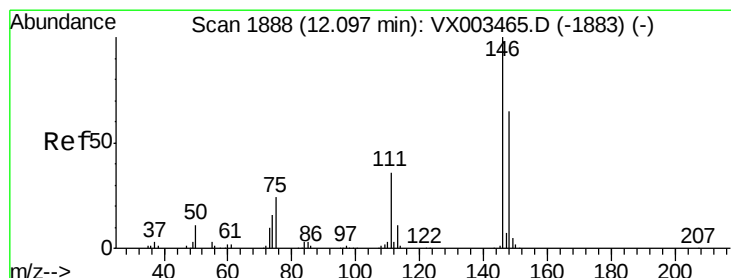
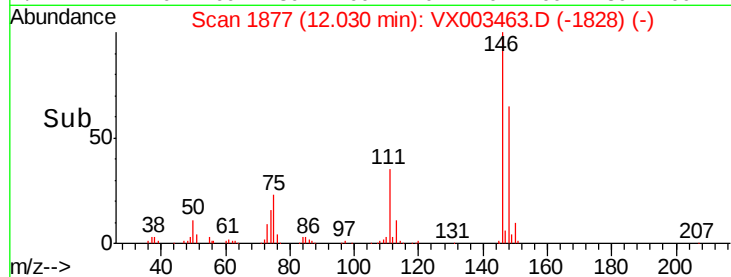
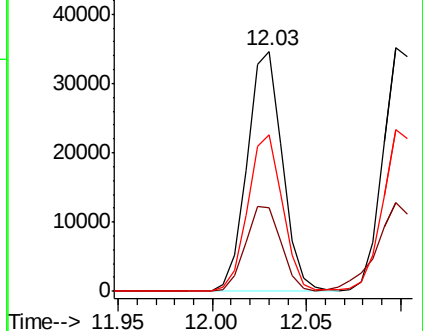
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.95 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

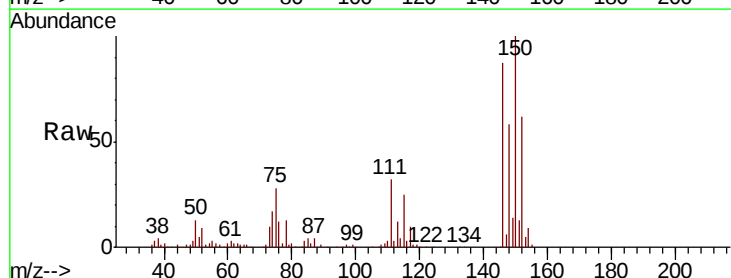
Tgt Ion:146 Resp: 45484

Ion Ratio Lower Upper

146 100

111 40.3 18.7 56.1

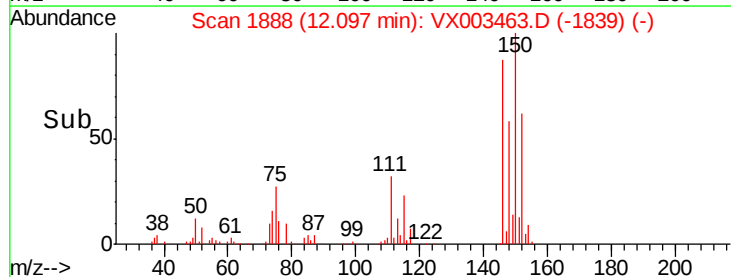
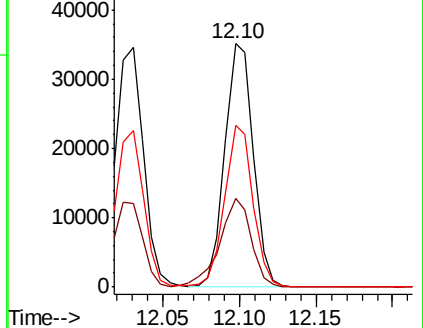
148 66.2 32.4 97.0

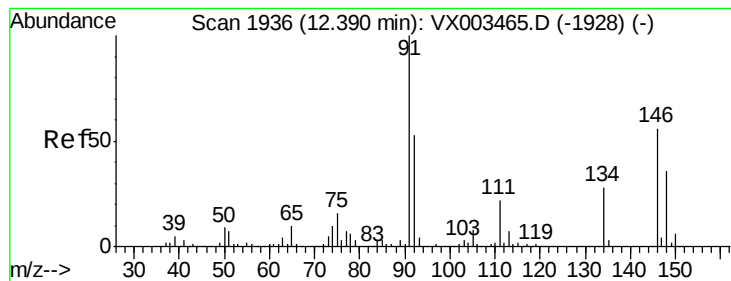


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.59 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

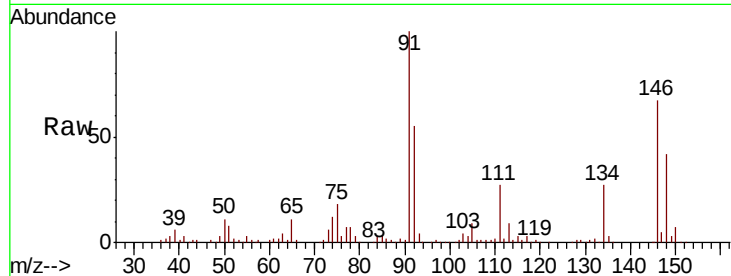
Tot Ion: 91 Resp: 57614

Ion Ratio Lower Upper

91 100

92 53.3 26.0 78.0

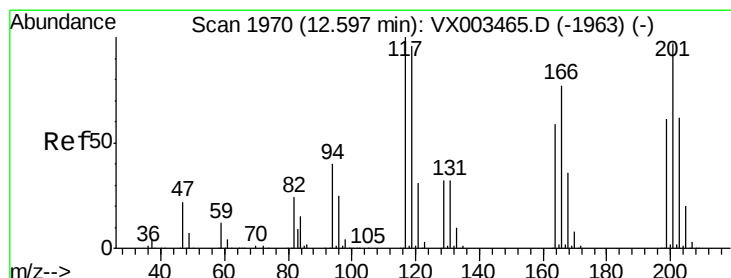
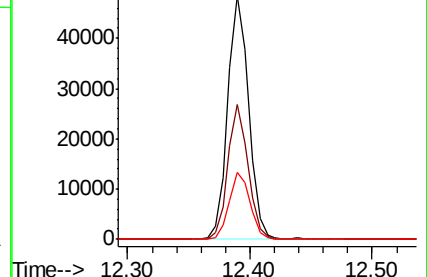
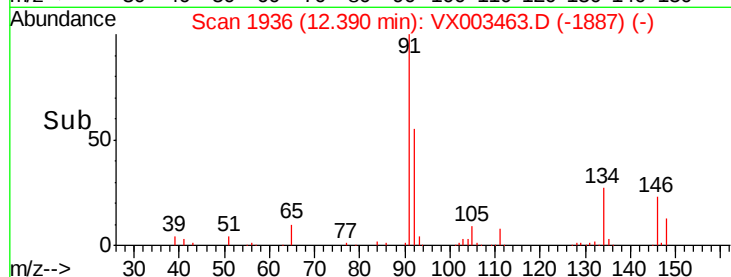
134 27.3 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX003463.D

Ion 92.00 (91.70 to 92.70): VX003463.D

Ion 134.00 (133.70 to 134.70): VX003463.D



#90

Hexachloroethane

Concen: 4.49 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003463.D

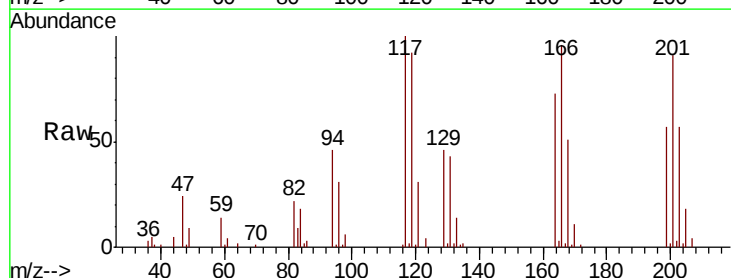
Acq: 19 Jul 2018 13:29

Tgt Ion: 117 Resp: 9439

Ion Ratio Lower Upper

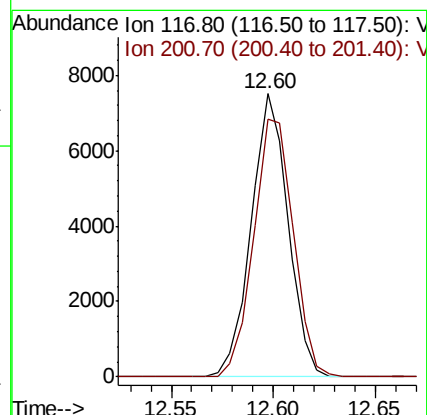
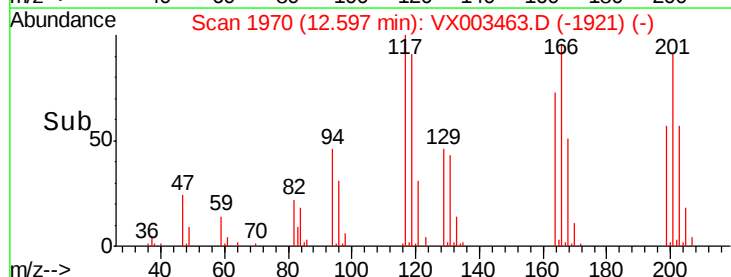
117 100

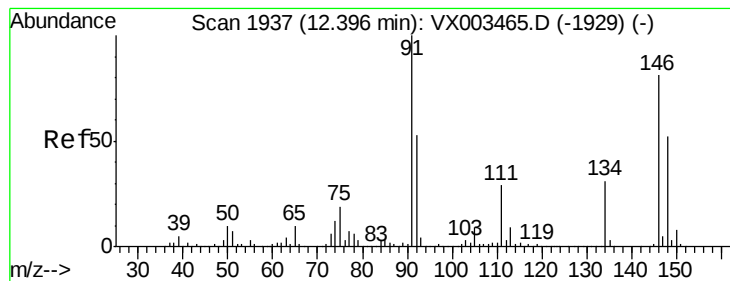
201 98.1 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX003463.D

Ion 200.70 (200.40 to 201.40): VX003463.D





#91

1,2-Dichlorobenzene

Concen: 5.00 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

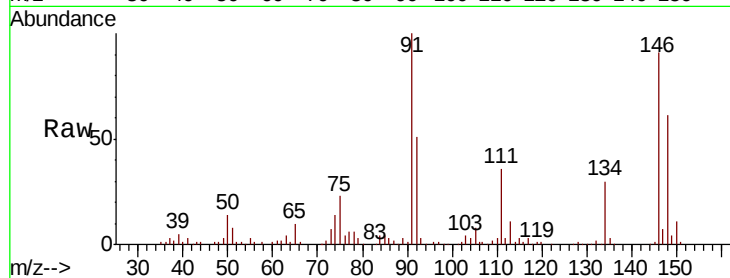
Tot Ion:146 Resp: 43930

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.1

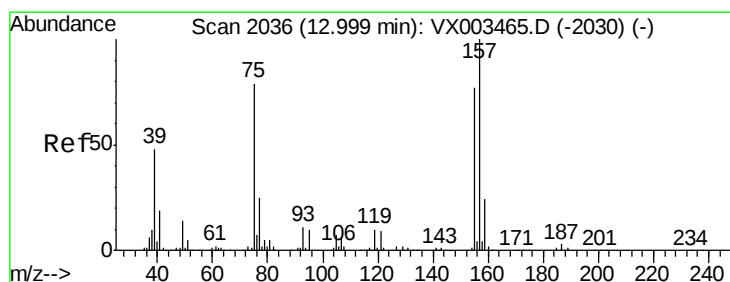
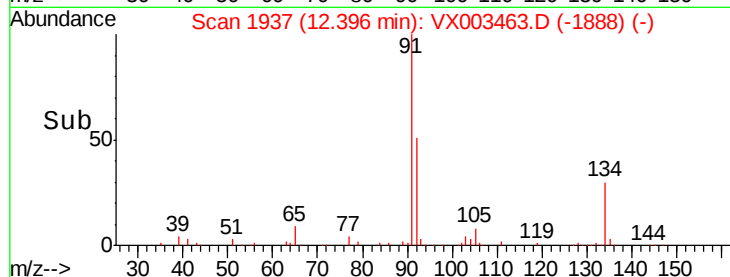
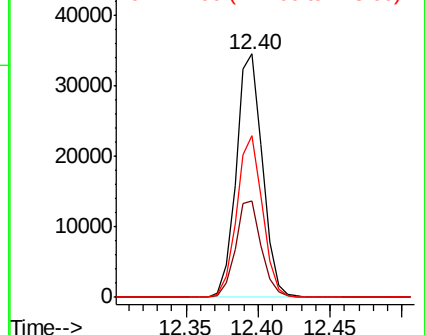
148 65.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.59 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

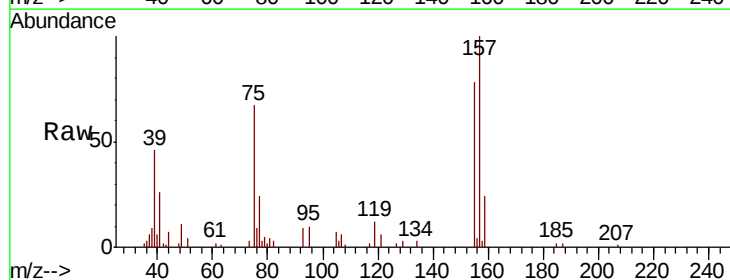
Tgt Ion: 75 Resp: 4411

Ion Ratio Lower Upper

75 100

155 102.4 45.8 137.4

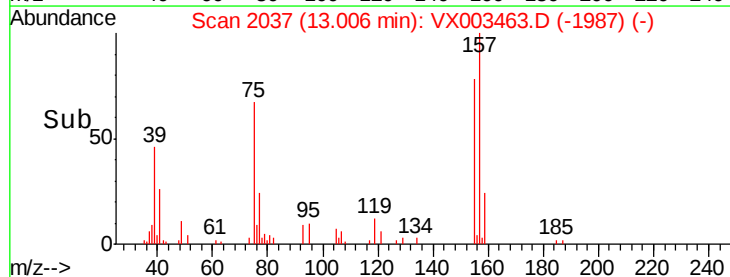
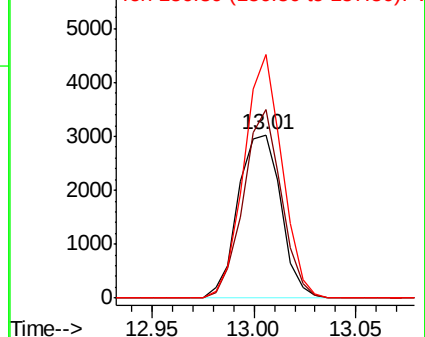
157 132.2 60.1 180.3

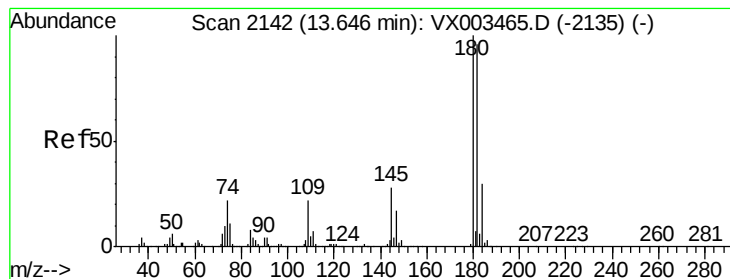


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 4.70 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

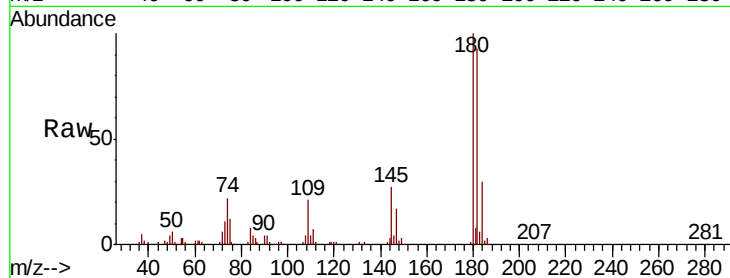
Tot Ion:180 Resp: 30233

Ion Ratio Lower Upper

180 100

182 92.7 47.7 143.1

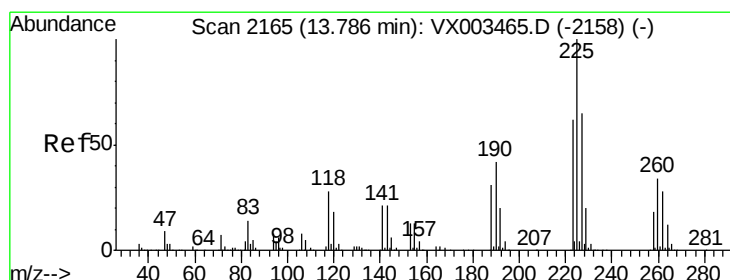
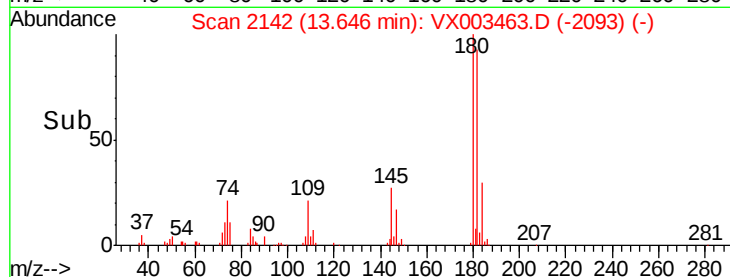
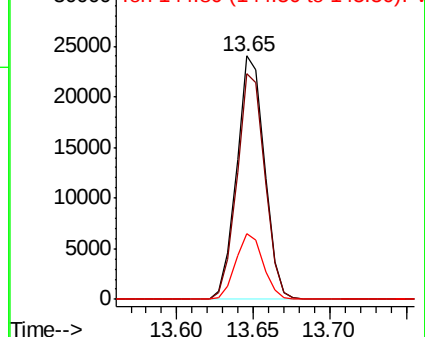
145 26.4 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 4.85 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

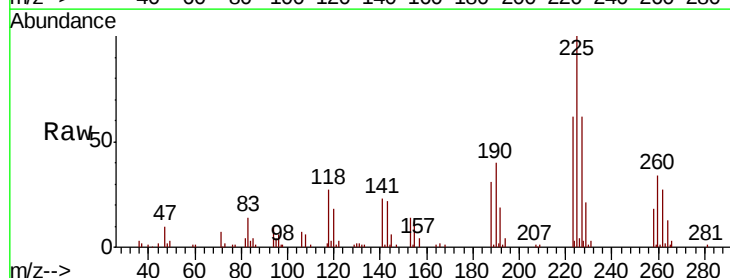
Tgt Ion:225 Resp: 15017

Ion Ratio Lower Upper

225 100

223 61.0 31.6 95.0

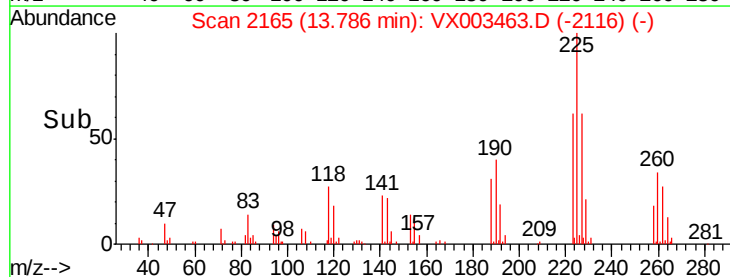
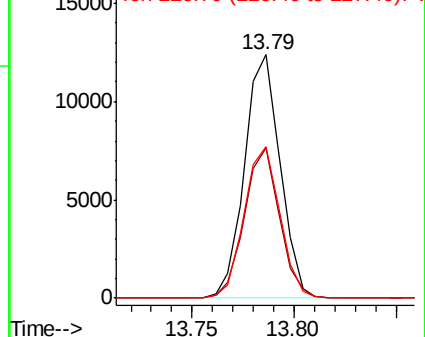
227 62.5 32.4 97.2

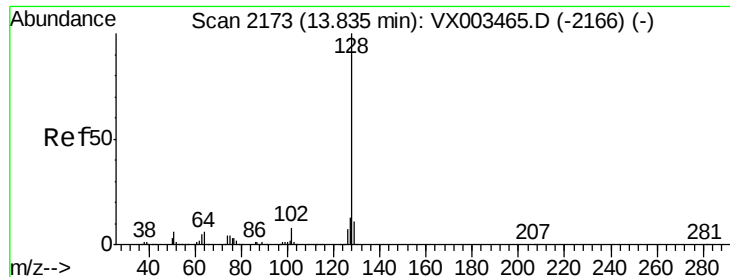


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.56 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

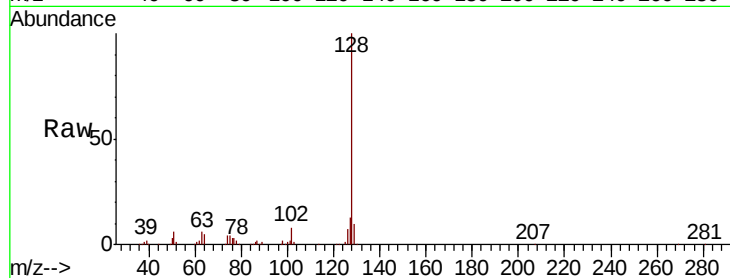
Tot Ion:128 Resp: 77164

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

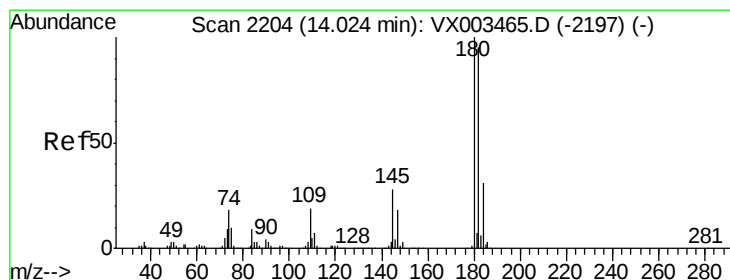
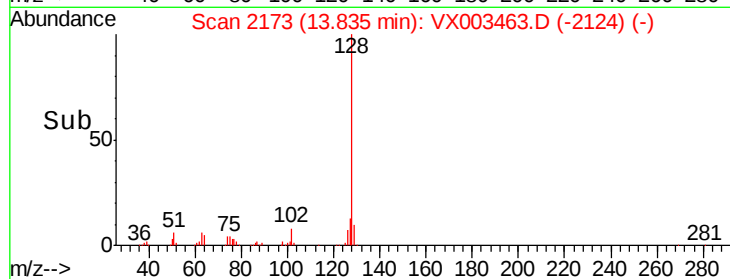
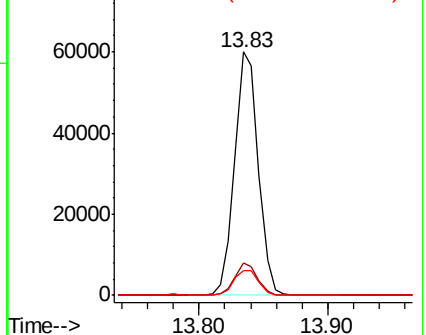
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.74 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

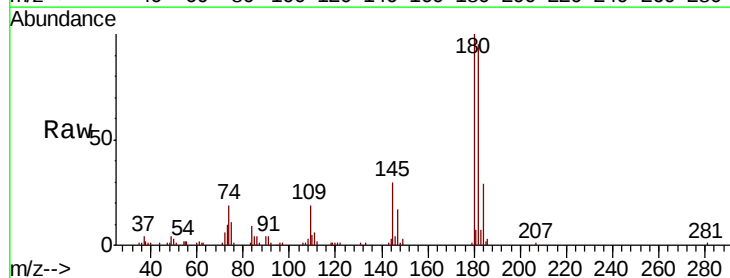
Tgt Ion:180 Resp: 30233

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

