

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003464.D
 Acq On : 19 Jul 2018 13:55
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 31 15:12:38 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	323701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	460336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	79372	20.71	ug/l	0.00
Spiked Amount			Recovery	=	41.42%	
35) Dibromofluoromethane	5.50	113	70151	20.01	ug/l	0.00
Spiked Amount			Recovery	=	40.02%	
50) Toluene-d8	8.72	98	262854	19.95	ug/l	0.00
Spiked Amount			Recovery	=	39.90%	
62) 4-Bromofluorobenzene	11.14	95	94037	19.55	ug/l	0.00
Spiked Amount			Recovery	=	39.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52658	20.06	ug/l	98
3) Chloromethane	1.32	50	67082	20.36	ug/l	99
4) Vinyl Chloride	1.41	62	81822	19.90	ug/l	92
5) Bromomethane	1.64	94	38925	22.43	ug/l	100
6) Chloroethane	1.73	64	49636	20.40	ug/l	100
7) Trichlorofluoromethane	1.93	101	109033	19.87	ug/l	91
8) Diethyl Ether	2.19	74	44997	19.10	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67637	18.84	ug/l	98
10) Methyl Iodide	2.51	142	79663	18.47	ug/l	92
11) Tert butyl alcohol	3.07	59	78969	104.15	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65220	19.73	ug/l	91
13) Acrolein	2.29	56	35597	103.91	ug/l	99
14) Allyl chloride	2.73	41	118074	20.17	ug/l	# 86
15) Acrylonitrile	3.15	53	189413	98.12	ug/l	99
16) Acetone	2.45	43	142315	98.33	ug/l	# 86
17) Carbon Disulfide	2.57	76	176557	19.75	ug/l	98
18) Methyl Acetate	2.78	43	91762	20.11	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	214793	19.90	ug/l	100
20) Methylene Chloride	2.86	84	73765	20.33	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	70371	19.13	ug/l	93
22) Diisopropyl ether	3.87	45	224742	20.41	ug/l	# 96
23) Vinyl Acetate	3.82	43	896399	98.81	ug/l	97
24) 1,1-Dichloroethane	3.70	63	131189	20.30	ug/l	98
25) 2-Butanone	4.71	43	242892	100.02	ug/l	92
26) 2,2-Dichloropropane	4.57	77	98774	20.13	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	79758	19.47	ug/l	89
28) Bromochloromethane	5.02	49	53443	18.92	ug/l	85
29) Tetrahydrofuran	5.16	42	157860	98.41	ug/l	90
30) Chloroform	5.22	83	123857	19.63	ug/l	98
31) Cyclohexane	5.58	56	113570	19.67	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	105880	19.60	ug/l	97
36) 1,1-Dichloropropene	5.80	75	93453	18.80	ug/l	97
37) Ethyl Acetate	4.86	43	92222	19.61	ug/l	96
38) Carbon Tetrachloride	5.78	117	94555	19.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114579	19.46	ug/l	94
40) Benzene	6.15	78	307933	20.52	ug/l	98
41) Methacrylonitrile	5.06	41	53678	19.42	ug/l	92
42) 1,2-Dichloroethane	6.20	62	99739	21.10	ug/l	94
43) Isopropyl Acetate	6.47	43	145232	19.41	ug/l #	92
44) Trichloroethene	7.21	130	88528	19.78	ug/l	98
45) 1,2-Dichloropropane	7.52	63	74808	19.63	ug/l	100
46) Dibromomethane	7.66	93	48696	19.85	ug/l	94
47) Bromodichloromethane	7.90	83	88319	19.67	ug/l	96
48) Methyl methacrylate	7.78	41	74103	19.64	ug/l #	84
49) 1,4-Dioxane	7.76	88	33881	396.34	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	479094	101.37	ug/l	91
52) Toluene	8.79	92	186530	19.75	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	109594	19.83	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	98294	19.77	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	75255	20.02	ug/l	97
56) Ethyl methacrylate	9.18	69	105631	19.95	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	121261	19.96	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	258085	100.26	ug/l	96
59) 2-Hexanone	9.50	43	358519	102.38	ug/l	88
60) Dibromochloromethane	9.59	129	73399	19.73	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77432	19.87	ug/l	100
64) Tetrachloroethene	9.34	164	104206	20.30	ug/l	98
65) Chlorobenzene	10.14	112	214530	19.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	74310	19.90	ug/l	99
67) Ethyl Benzene	10.26	91	344365	19.73	ug/l	99
68) m/p-Xylenes	10.36	106	273789	40.01	ug/l	96
69) o-Xylene	10.70	106	131171	19.82	ug/l	96
70) Styrene	10.71	104	220943	20.30	ug/l	96
71) Bromoform	10.86	173	56042	19.31	ug/l #	100
73) Isopropylbenzene	11.02	105	351582	20.21	ug/l	99
74) N-amyl acetate	6.47	43	145232	19.66	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	100897	19.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	117203	25.94	ug/l	81
77) Bromobenzene	11.26	156	99390	19.87	ug/l	95
78) n-propylbenzene	11.36	91	393352	20.34	ug/l	98
79) 2-Chlorotoluene	11.42	91	236555	20.15	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	292216	20.44	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27652	18.93	ug/l	91
82) 4-Chlorotoluene	11.51	91	272621	19.82	ug/l	97
83) tert-Butylbenzene	11.77	119	280666	20.05	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	297877	20.48	ug/l	98
85) sec-Butylbenzene	11.95	105	341130	20.06	ug/l	100
86) p-Isopropyltoluene	12.07	119	308141	20.19	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	178333	19.39	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	178959	18.89	ug/l	99
89) n-Butylbenzene	12.39	91	251744	19.43	ug/l	99
90) Hexachloroethane	12.60	117	40722	18.77	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	178366	19.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19628	19.79	ug/l	86

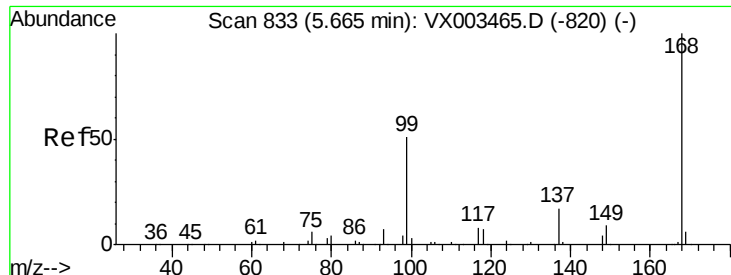
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124524	18.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	60576	18.96	ug/l	99
95) Naphthalene	13.83	128	349960	20.05	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128158	19.49	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: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

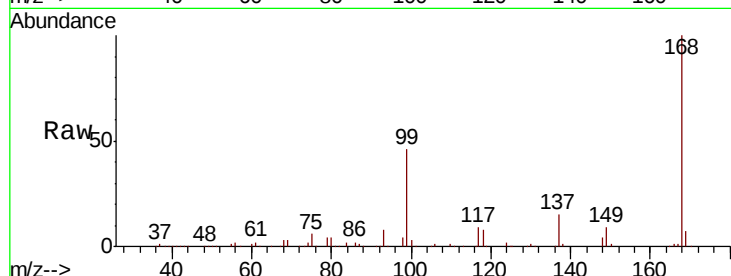
VSTDIC020

Tot Ion:168 Resp: 323701

Ion Ratio Lower Upper

168 100

99 46.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

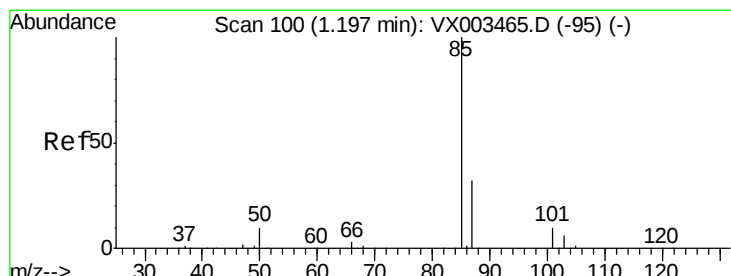
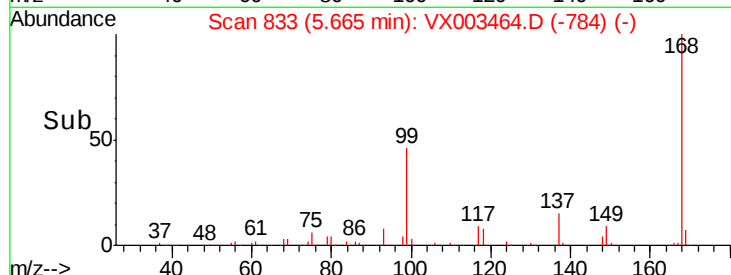
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 20.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003464.D

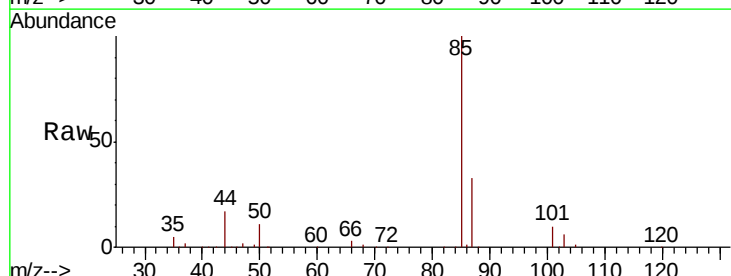
Acq: 19 Jul 2018 13:55

Tgt Ion: 85 Resp: 52658

Ion Ratio Lower Upper

85 100

87 33.0 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

60000

50000

40000

30000

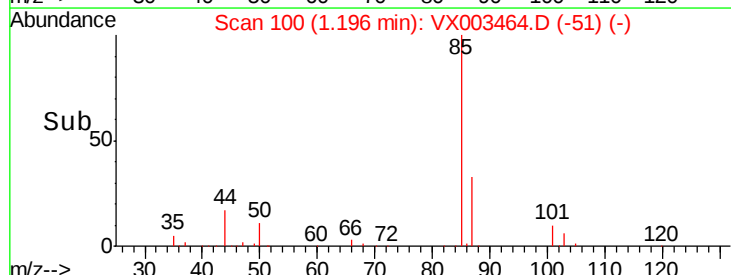
20000

10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

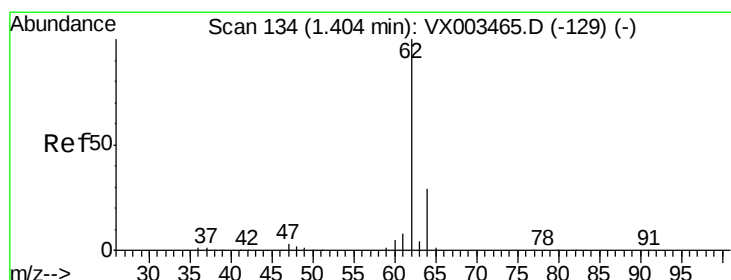
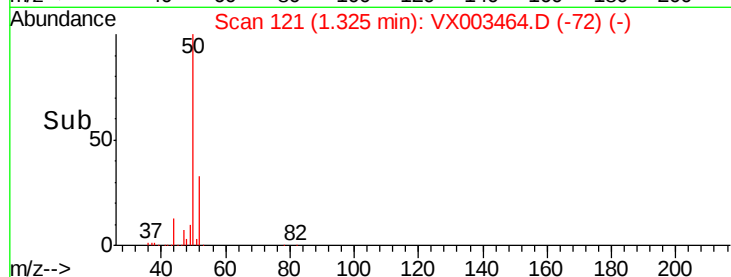
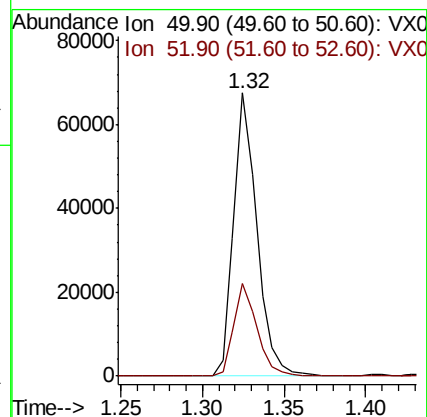
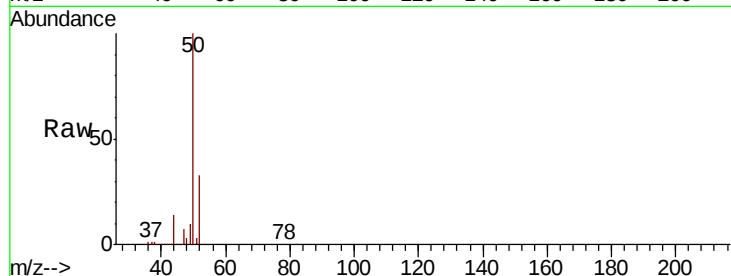
VSTDIC020

Tot Ion: 50 Resp: 67082

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003464.D

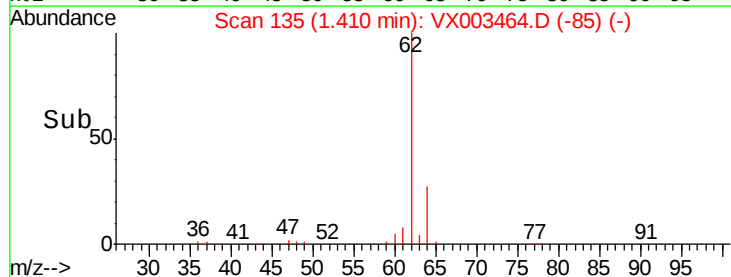
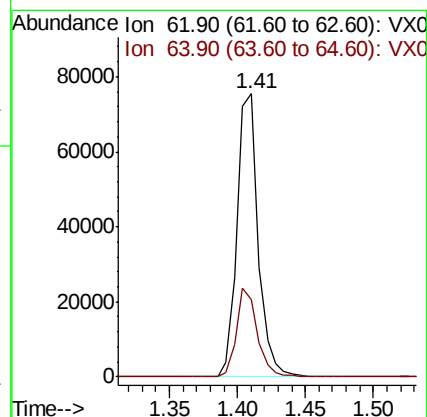
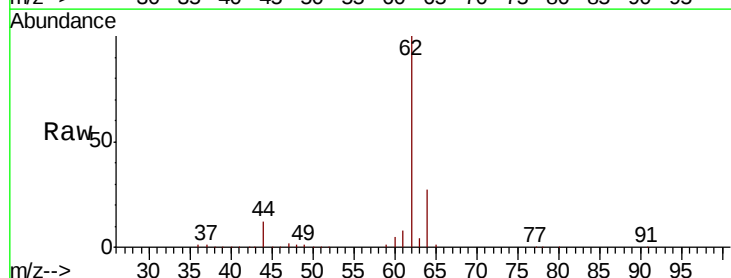
Acq: 19 Jul 2018 13:55

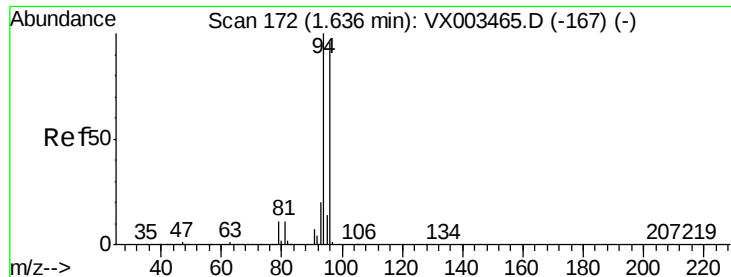
Tgt Ion: 62 Resp: 81822

Ion Ratio Lower Upper

62 100

64 27.3 25.4 38.2





#5

Bromomethane

Concen: 22.43 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

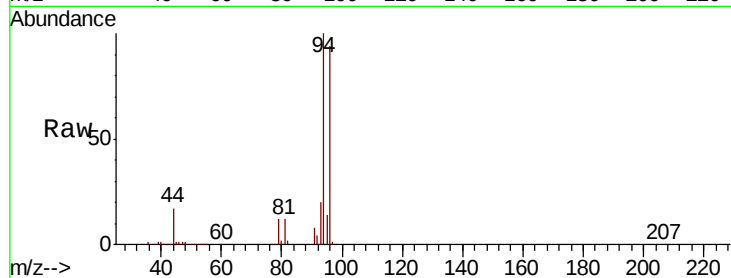
VSTDIC020

Tot Ion: 94 Resp: 38925

Ion Ratio Lower Upper

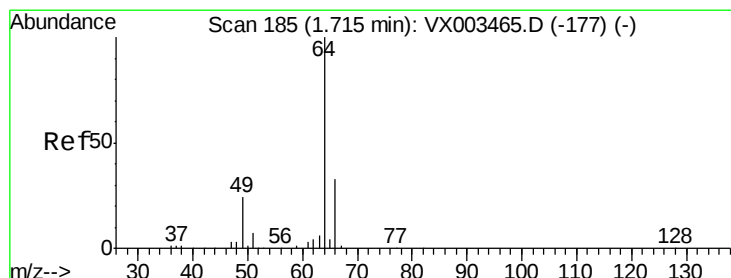
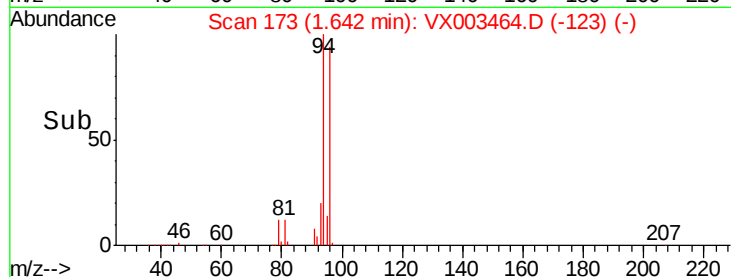
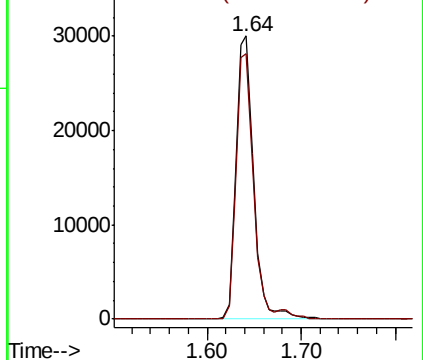
94 100

96 93.7 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: 20.40 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003464.D

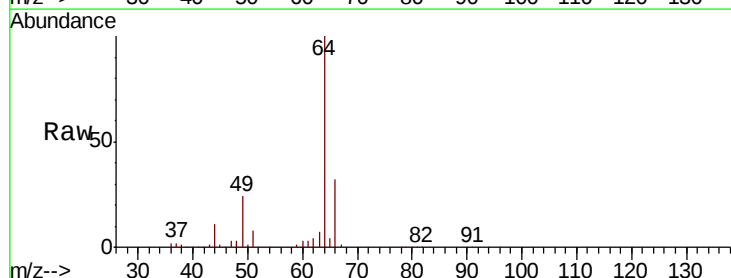
Acq: 19 Jul 2018 13:55

Tgt Ion: 64 Resp: 49636

Ion Ratio Lower Upper

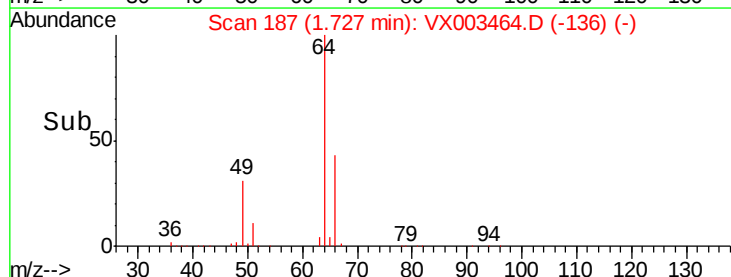
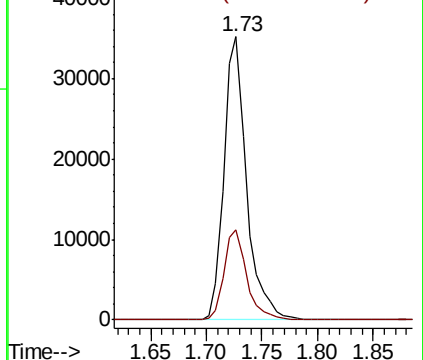
64 100

66 31.8 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: 19.87 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

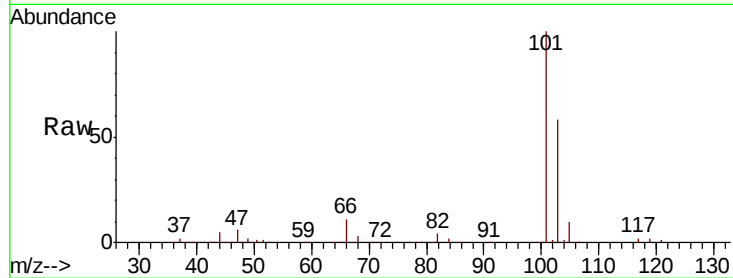
VSTDIC020

Tot Ion:101 Resp: 109033

Ion Ratio Lower Upper

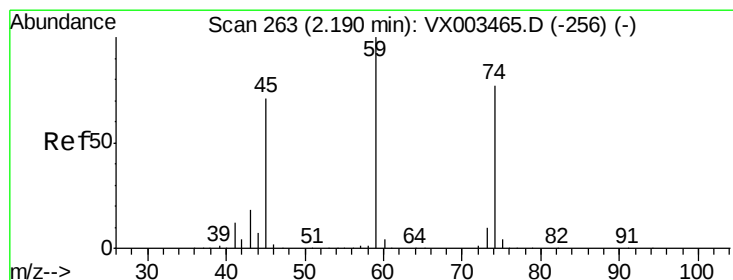
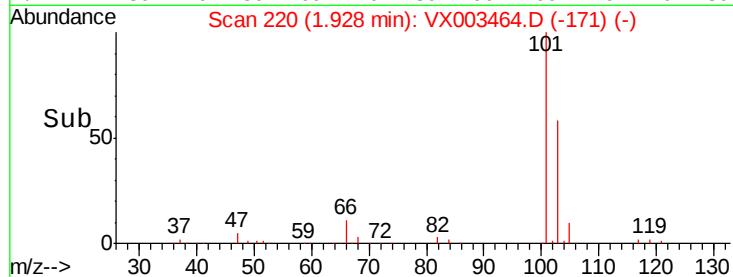
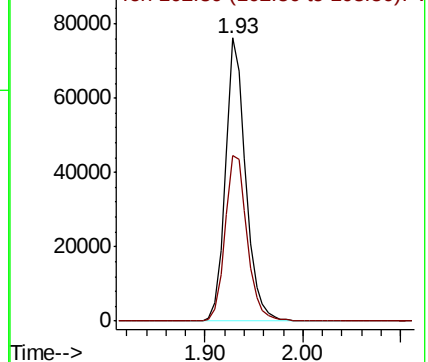
101 100

103 58.5 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: 19.10 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003464.D

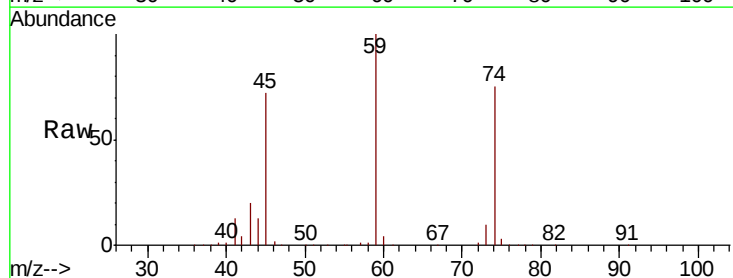
Acq: 19 Jul 2018 13:55

Tgt Ion: 74 Resp: 44997

Ion Ratio Lower Upper

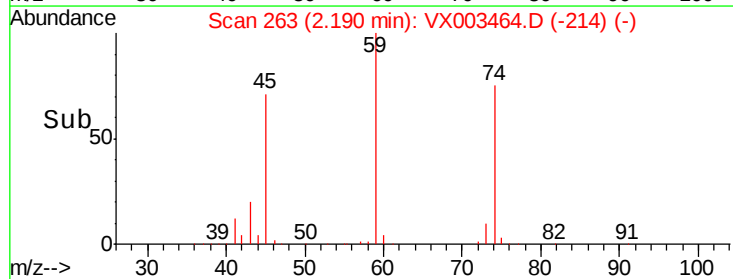
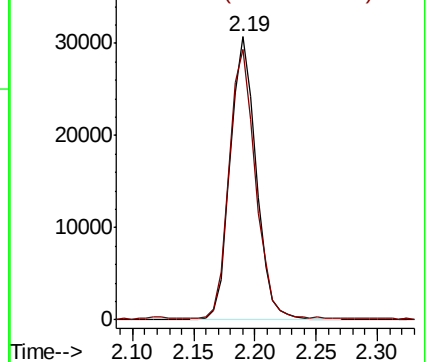
74 100

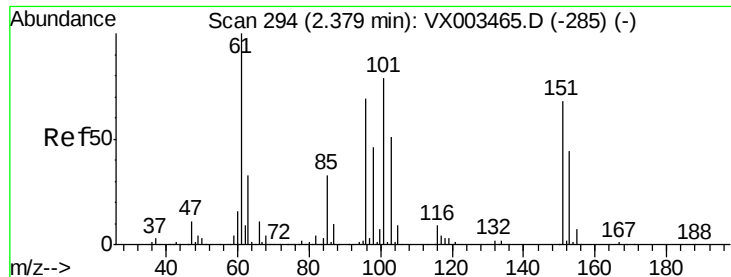
45 96.4 53.1 159.4



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: 18.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

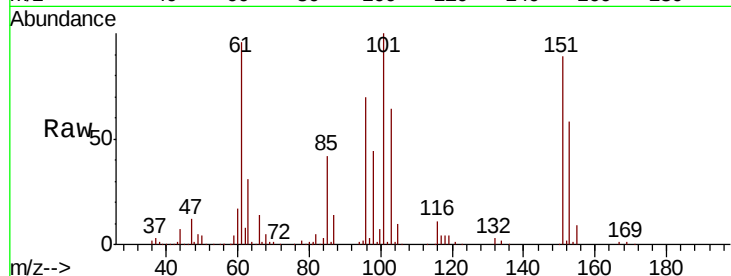
Tot Ion:101 Resp: 67637

Ion Ratio Lower Upper

101 100

85 42.0 36.0 54.0

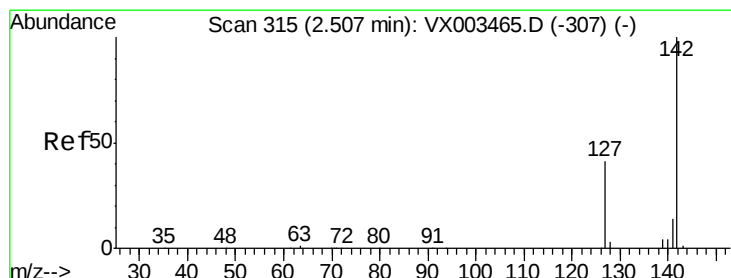
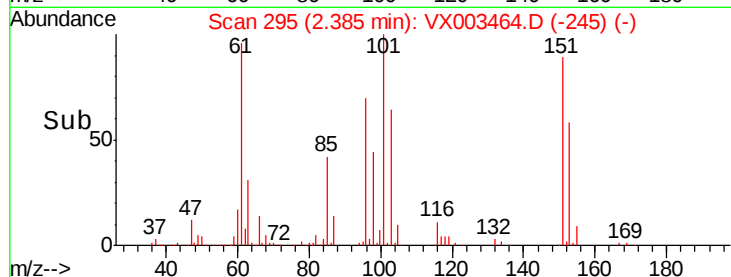
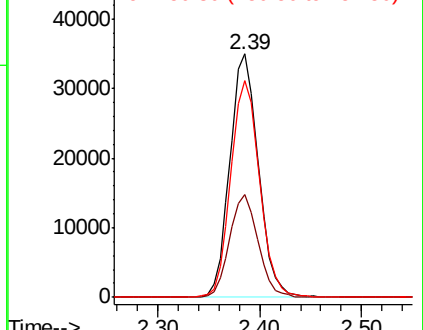
151 89.7 70.9 106.3



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: 18.47 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

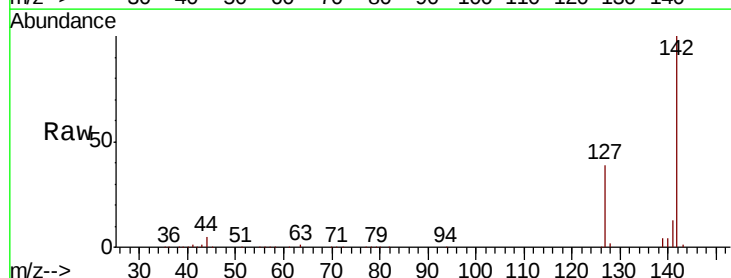
Tgt Ion:142 Resp: 79663

Ion Ratio Lower Upper

142 100

127 39.4 36.6 55.0

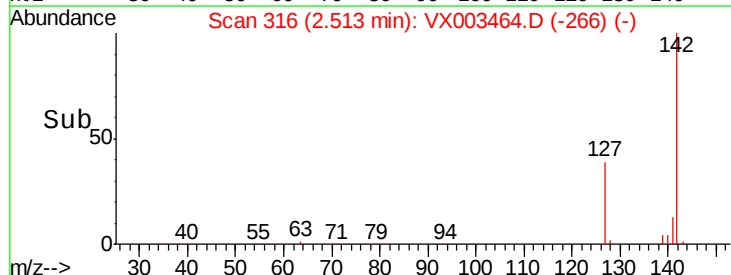
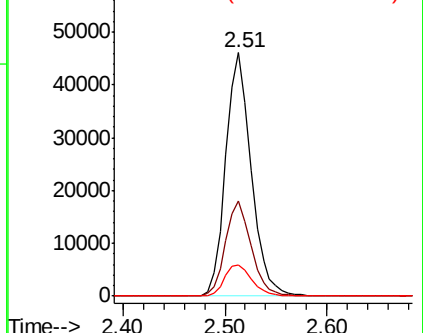
141 13.8 11.3 16.9

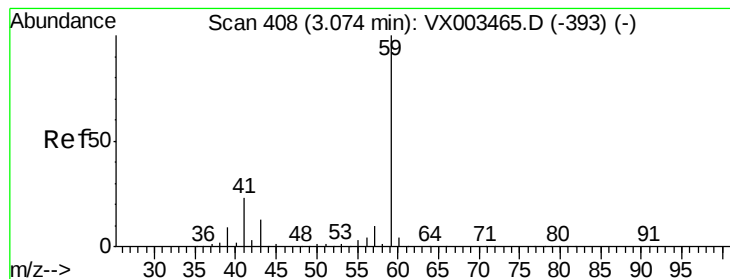


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



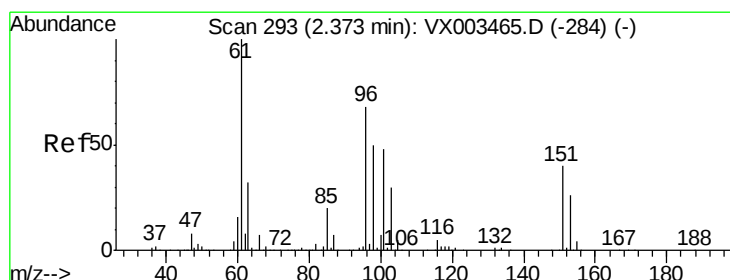
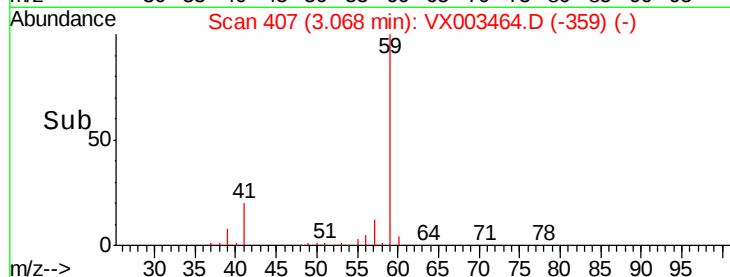
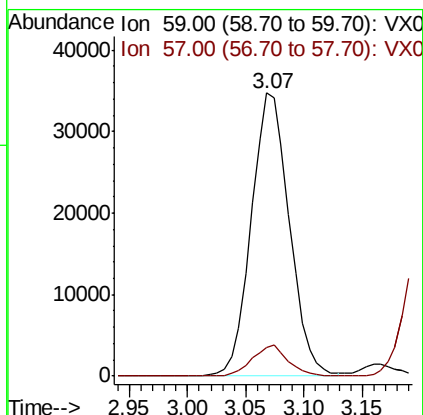
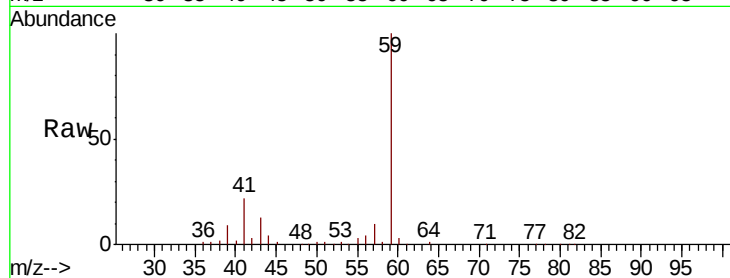


#11

Tert butyl alcohol
 Concen: 104.15 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

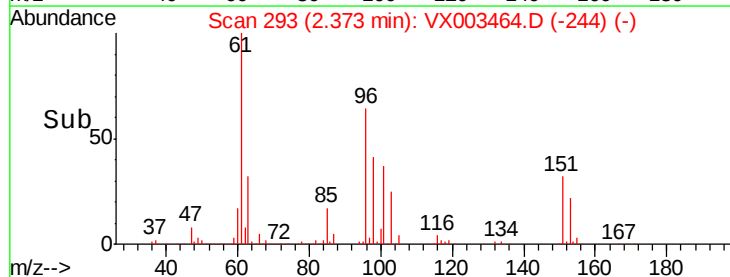
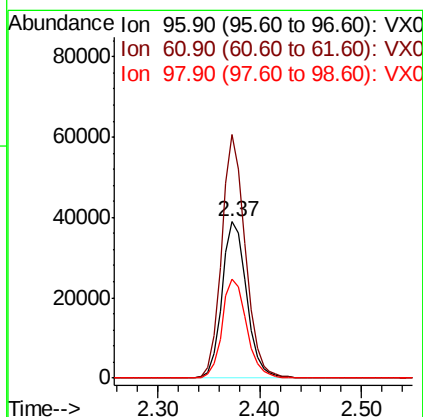
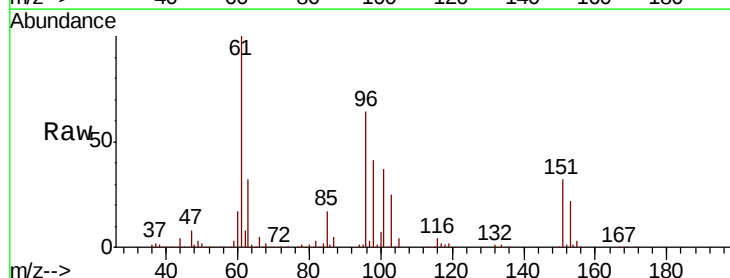
Tot Ion: 59 Resp: 78969
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

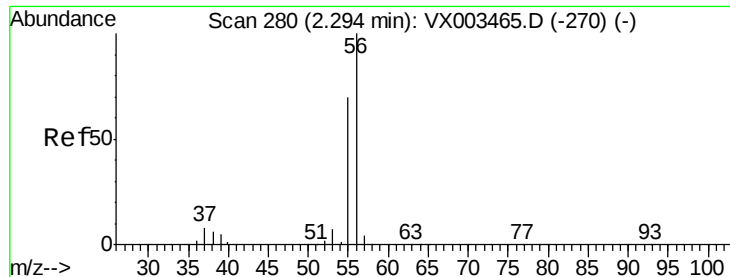


#12

1,1-Dichloroethene
 Concen: 19.73 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 96 Resp: 65220
 Ion Ratio Lower Upper
 96 100
 61 155.9 137.9 206.9
 98 63.5 51.6 77.4





#13

Acrolein

Concen: 103.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

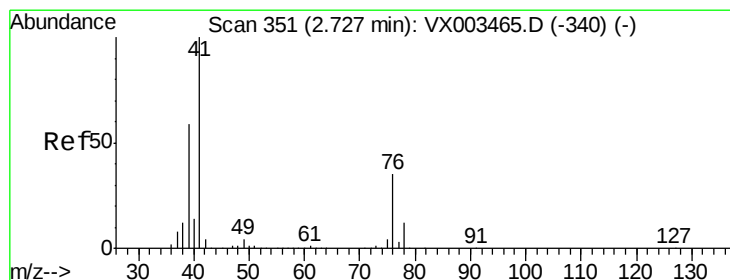
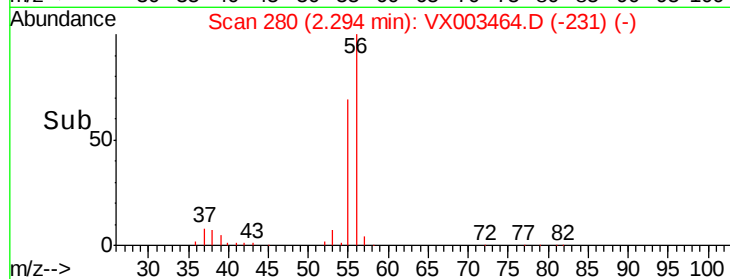
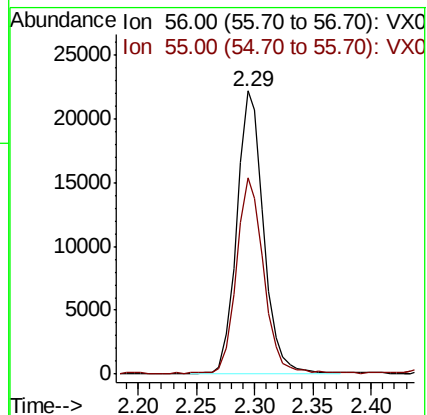
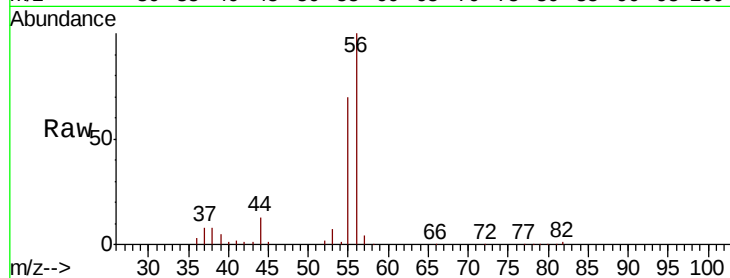
VSTDIC020

Tot Ion: 56 Resp: 35597

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.4



#14

Allyl chloride

Concen: 20.17 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

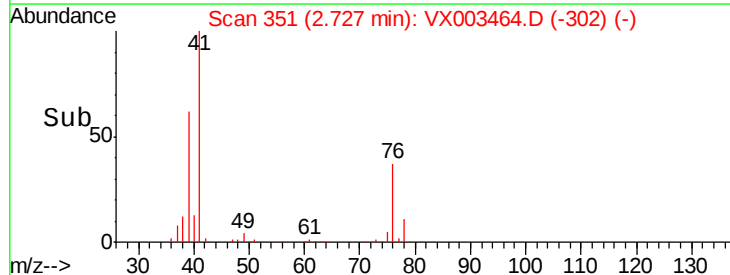
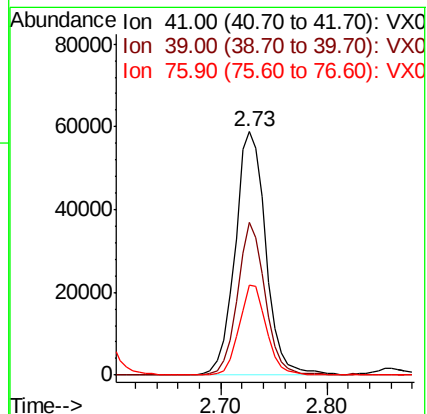
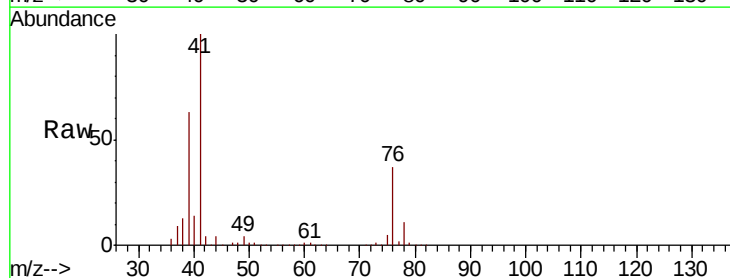
Tgt Ion: 41 Resp: 118074

Ion Ratio Lower Upper

41 100

39 56.6 56.8 85.2#

76 33.4 23.8 35.8





#15

Acrylonitrile

Concen: 98.12 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

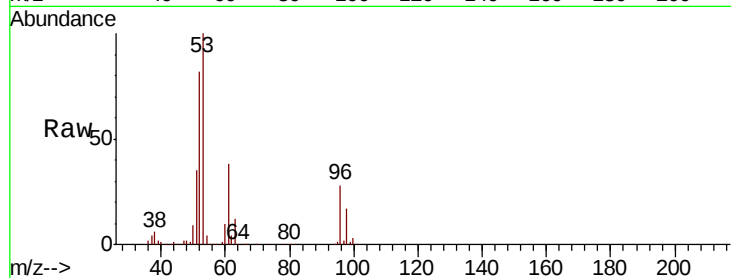
Tot Ion: 53 Resp: 189413

Ion Ratio Lower Upper

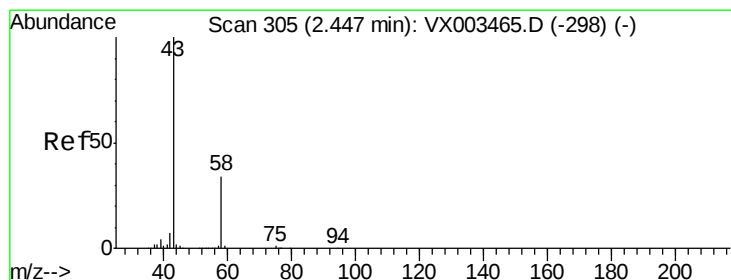
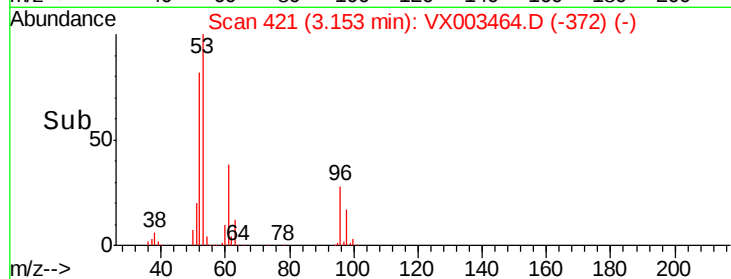
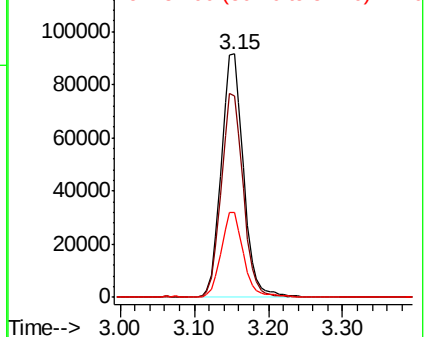
53 100

52 83.2 66.7 100.1

51 35.2 29.9 44.9



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



#16

Acetone

Concen: 98.33 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003464.D

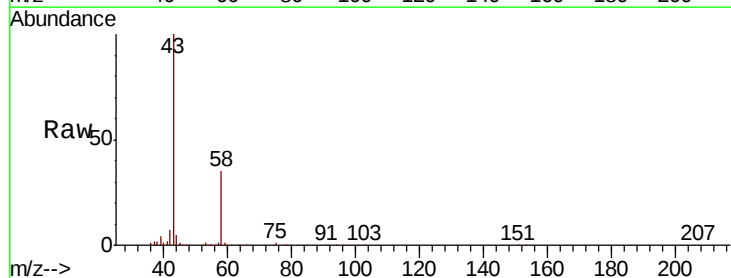
Acq: 19 Jul 2018 13:55

Tgt Ion: 43 Resp: 142315

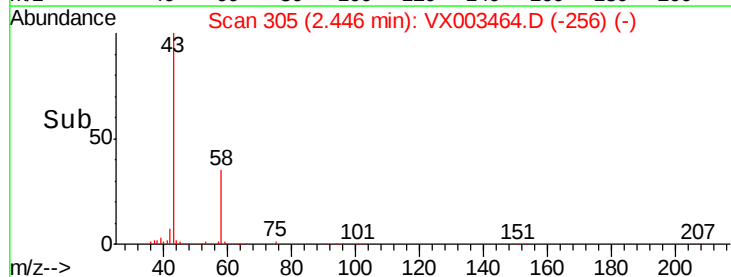
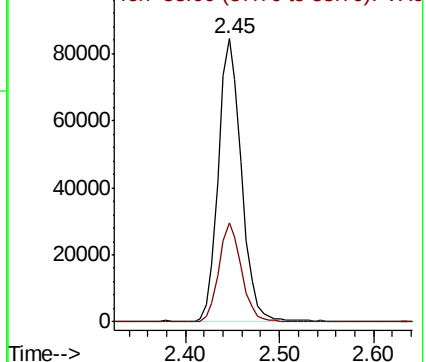
Ion Ratio Lower Upper

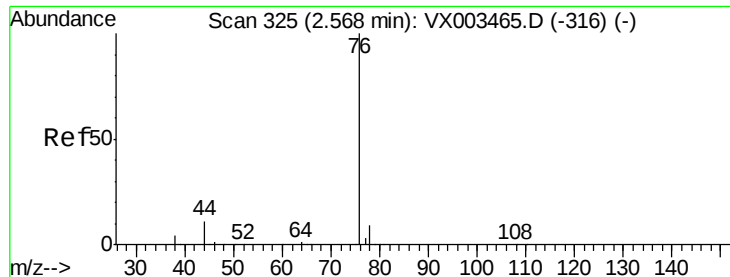
43 100

58 35.1 22.1 33.1#



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

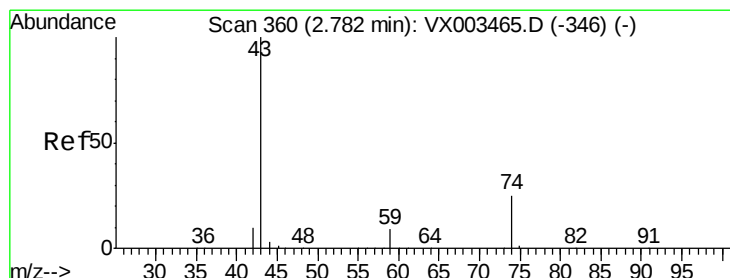
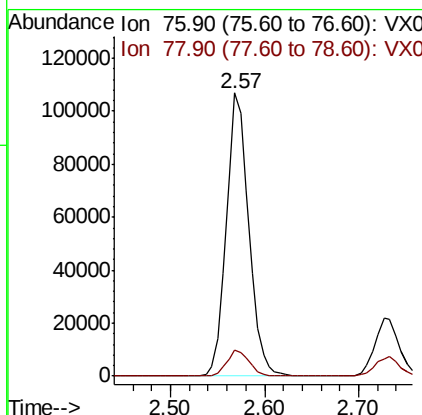
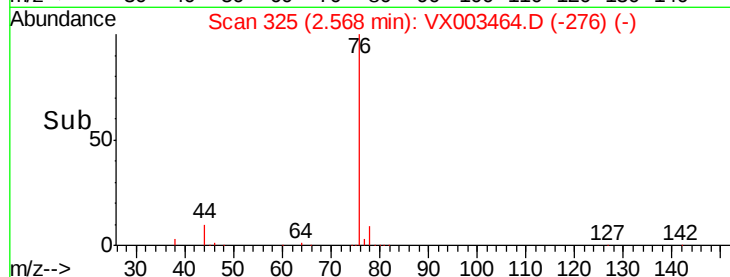
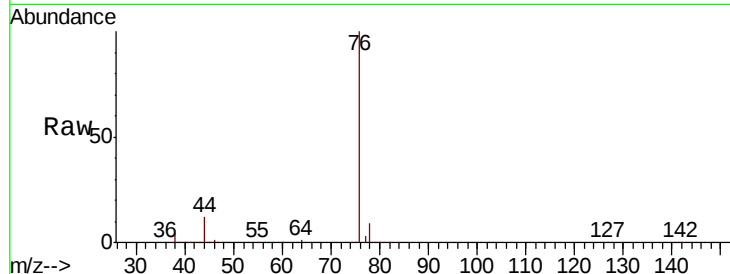




#17
Carbon Disulfide
Concen: 19.75 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

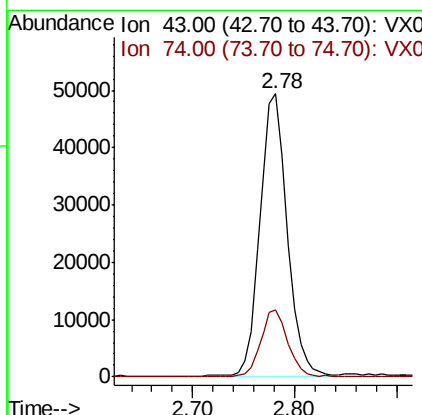
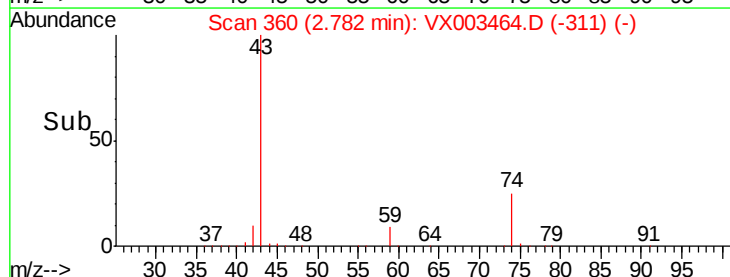
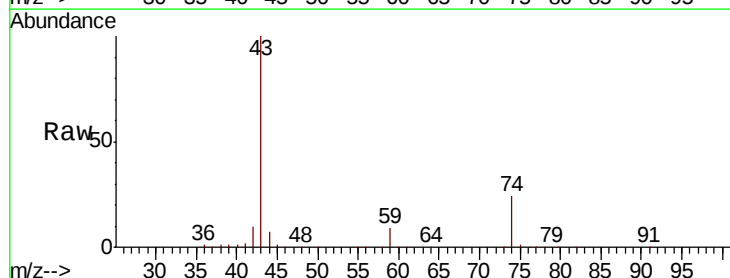
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

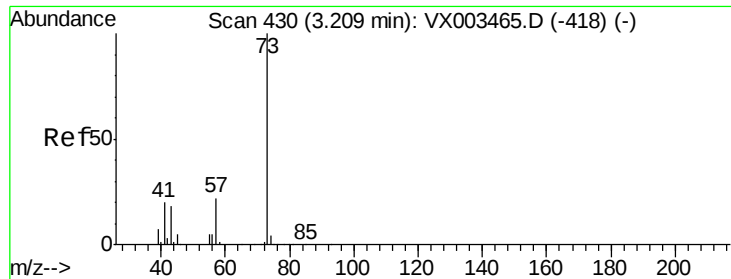
Tot Ion: 76 Resp: 176557
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 20.11 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 43 Resp: 91762
Ion Ratio Lower Upper
43 100
74 23.9 16.7 25.1



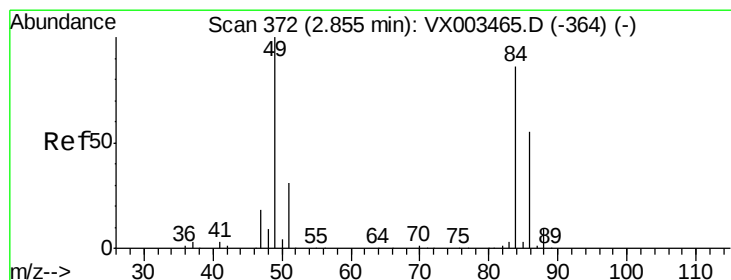
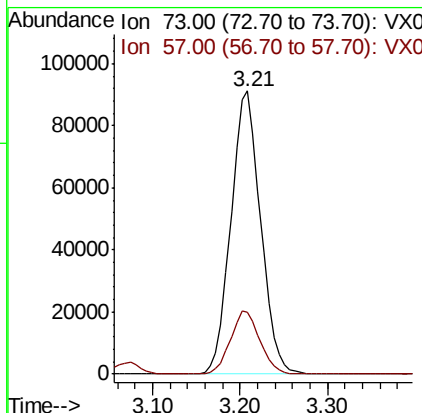
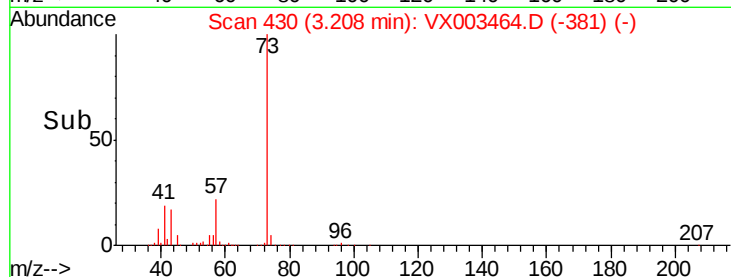
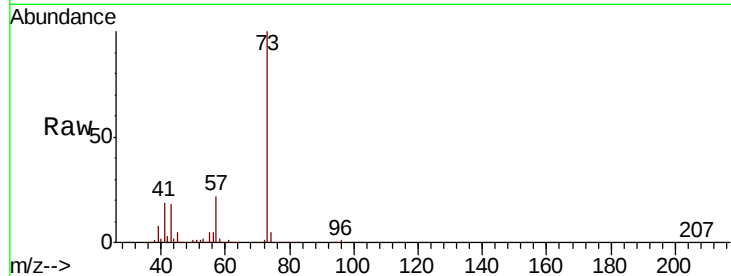


#19

Methyl tert-butyl Ether
 Concen: 19.90 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

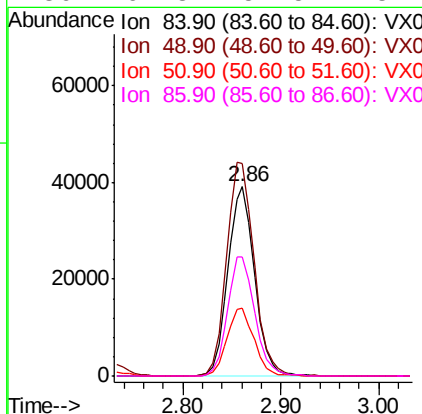
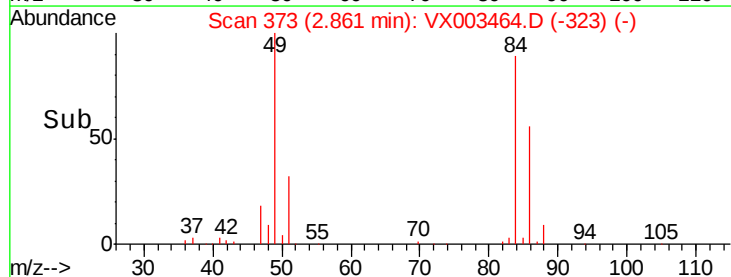
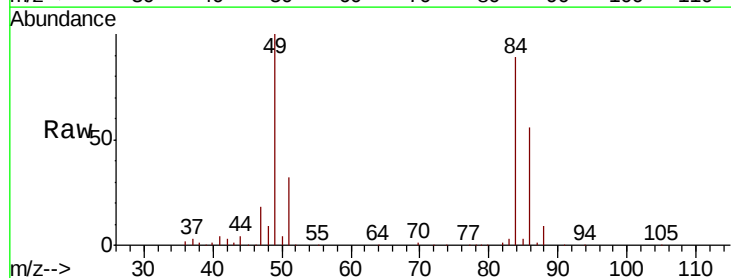
Tot Ion: 73 Resp: 214793
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.7 26.5



#20

Methylene Chloride
 Concen: 20.33 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 84 Resp: 73765
 Ion Ratio Lower Upper
 84 100
 49 112.7 107.8 161.6
 51 35.9 32.8 49.2
 86 62.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.13 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

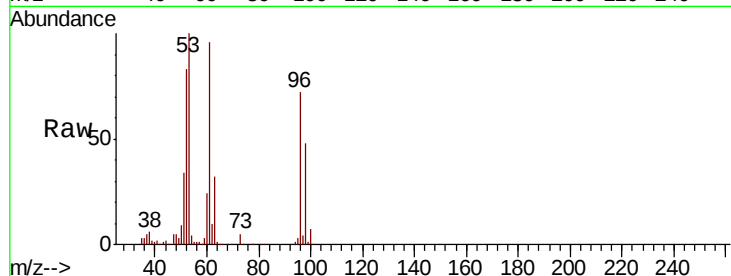
Tot Ion: 96 Resp: 70371

Ion Ratio Lower Upper

96 100

61 133.1 117.0 175.4

98 65.7 52.4 78.6

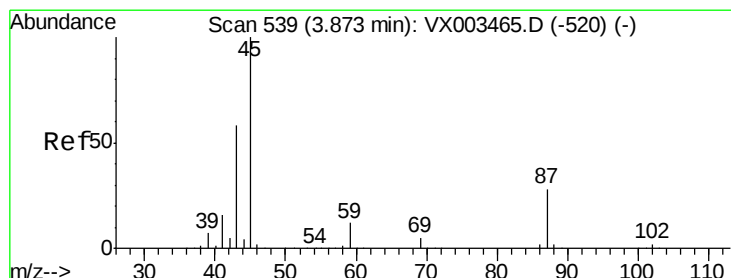
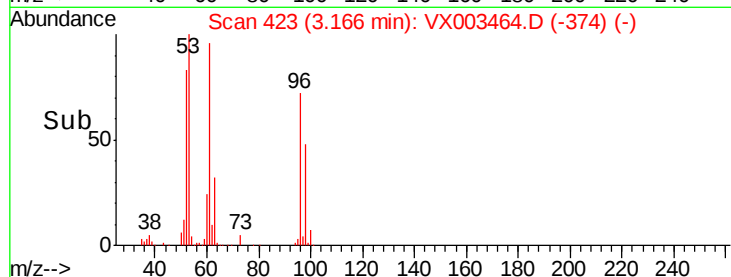
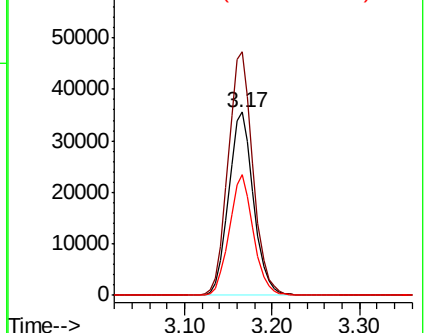


Abundance

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: 20.41 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion: 45 Resp: 224742

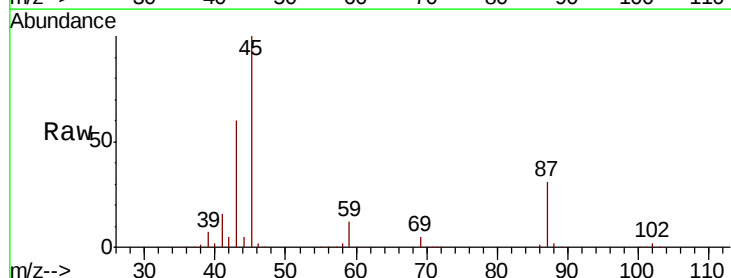
Ion Ratio Lower Upper

45 100

43 59.4 46.8 70.2

87 31.5 20.2 30.4#

59 12.0 8.7 13.1



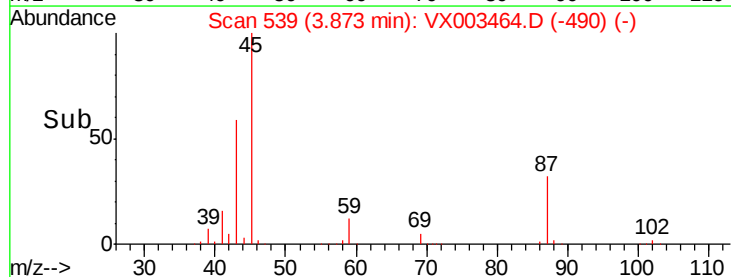
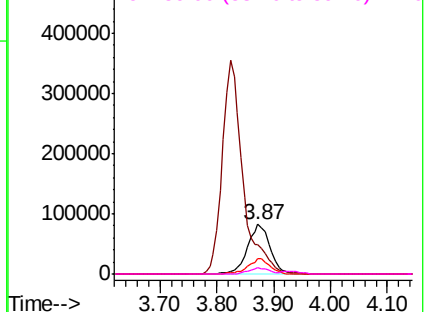
Abundance

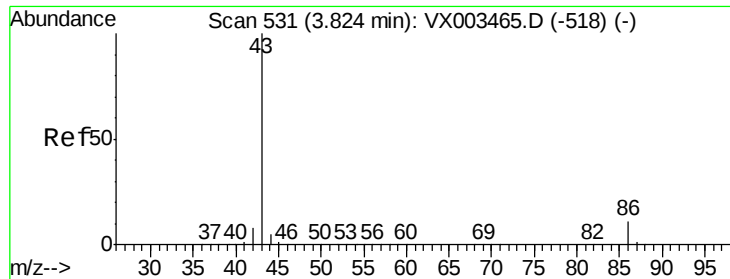
Ion 45.00 (44.70 to 45.70): VX0

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: 98.81 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

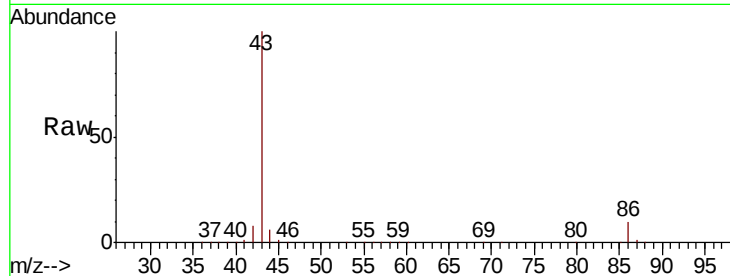
VSTDIC020

Tot Ion: 43 Resp: 896399

Ion Ratio Lower Upper

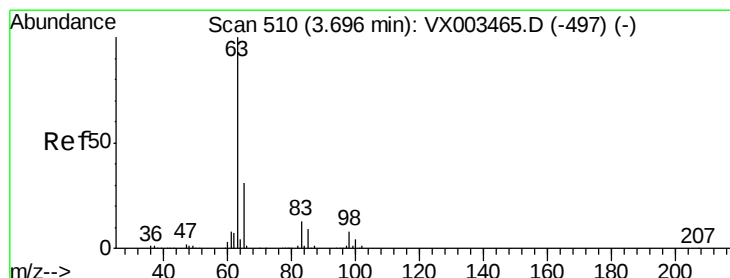
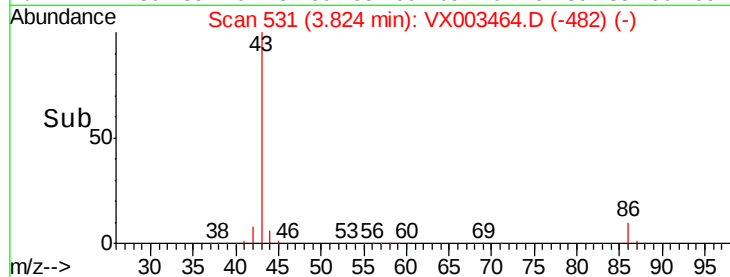
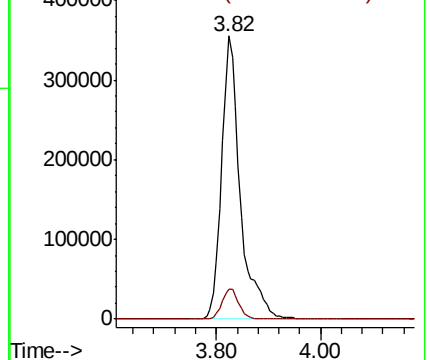
43 100

86 10.5 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: 20.30 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

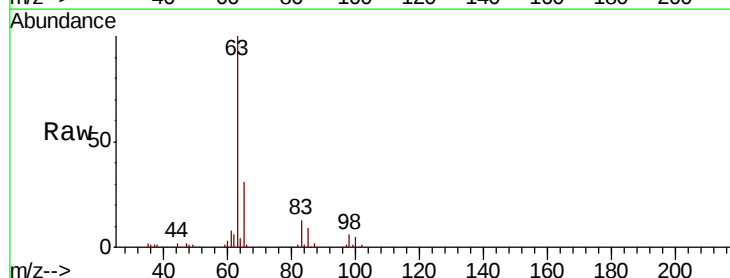
Tgt Ion: 63 Resp: 131189

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

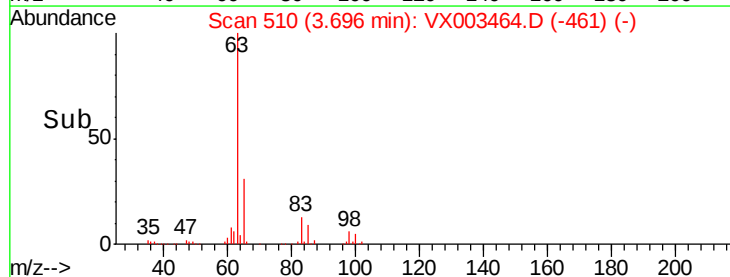
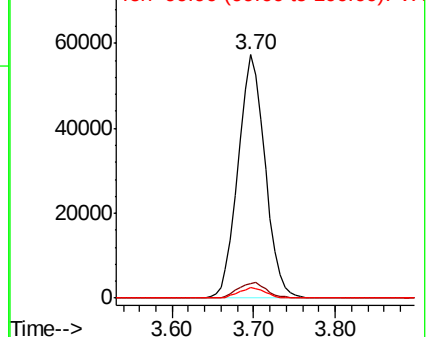
100 4.5 2.0 6.0

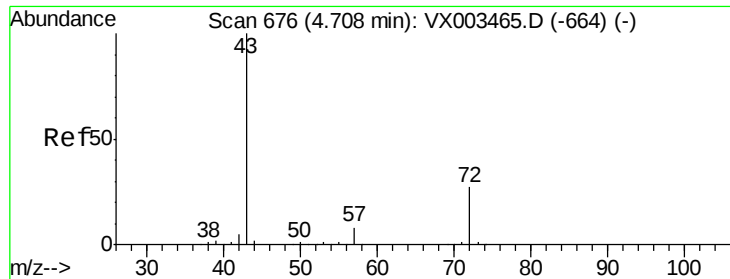


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.02 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

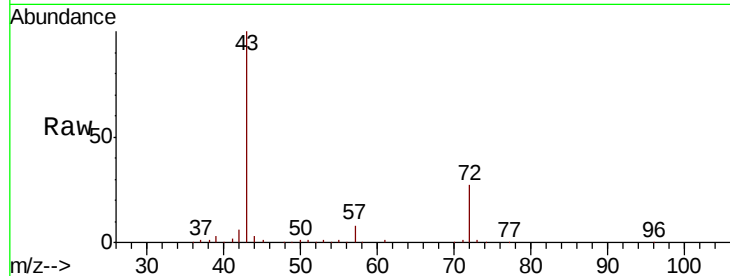
VSTDIC020

Tot Ion: 43 Resp: 242892

Ion Ratio Lower Upper

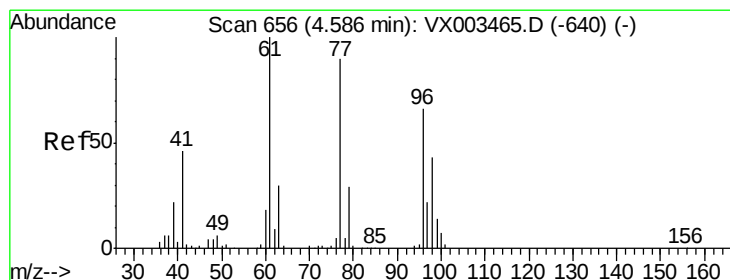
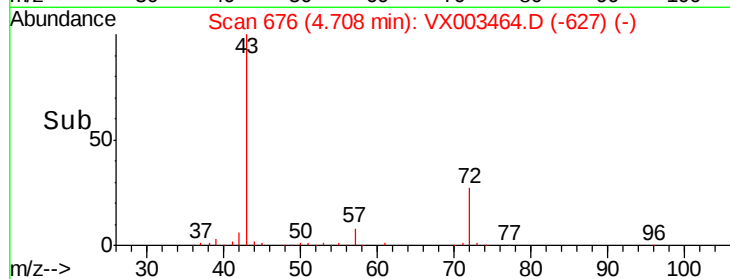
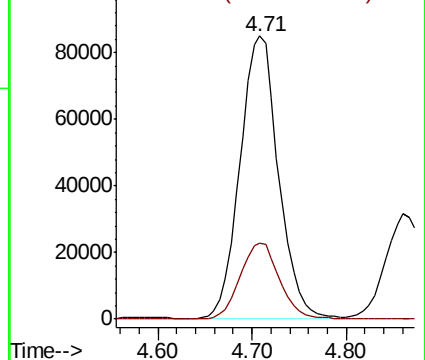
43 100

72 26.8 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: 20.13 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003464.D

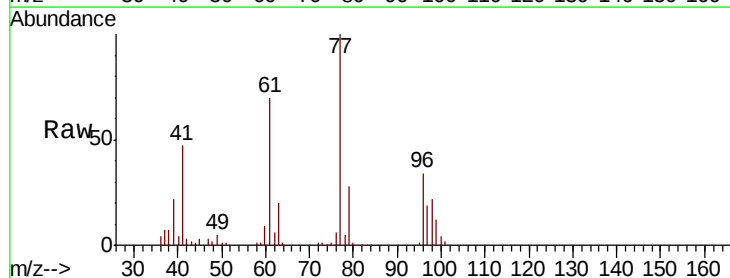
Acq: 19 Jul 2018 13:55

Tgt Ion: 77 Resp: 98774

Ion Ratio Lower Upper

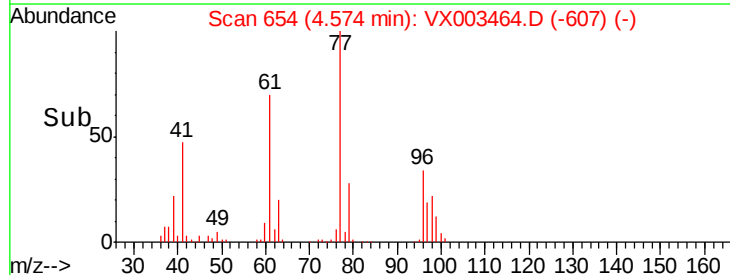
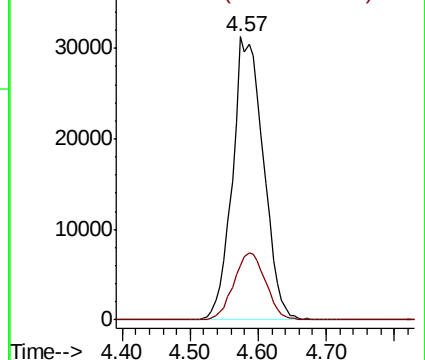
77 100

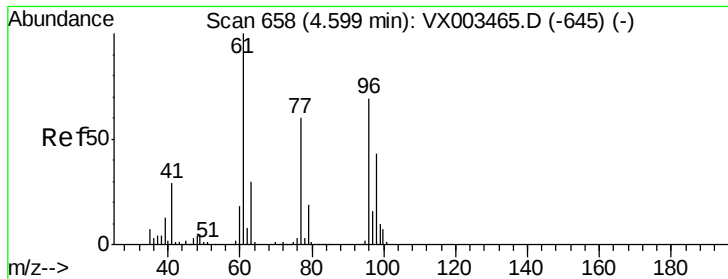
97 24.3 11.2 33.5



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: 19.47 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

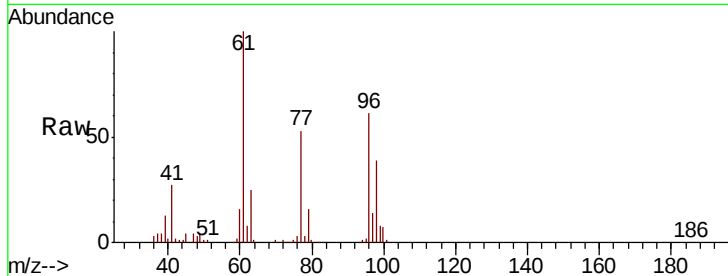
Tot Ion: 96 Resp: 79758

Ion Ratio Lower Upper

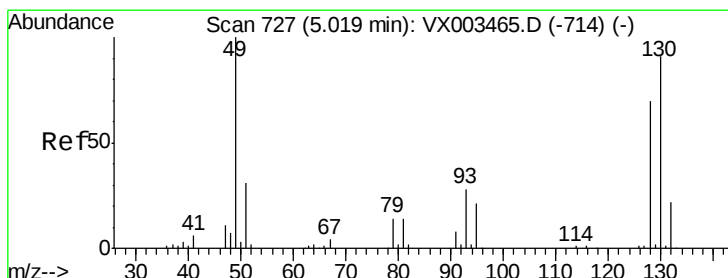
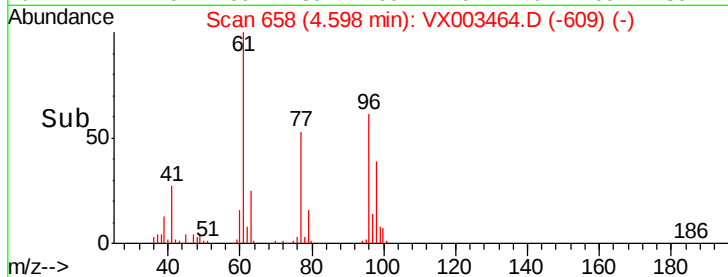
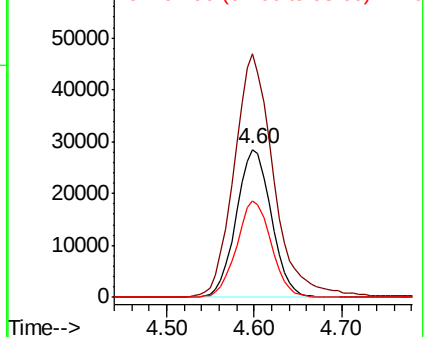
96 100

61 184.5 0.0 330.2

98 64.2 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: 18.92 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

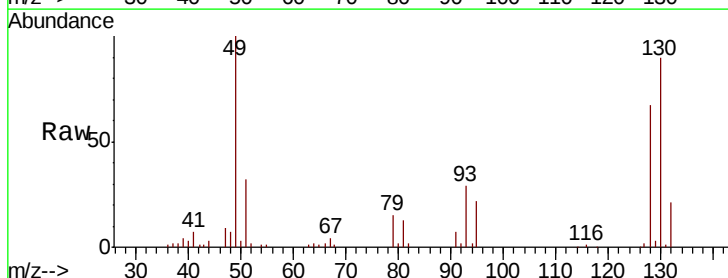
Tgt Ion: 49 Resp: 53443

Ion Ratio Lower Upper

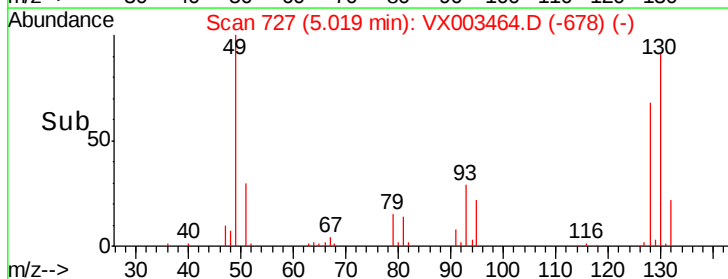
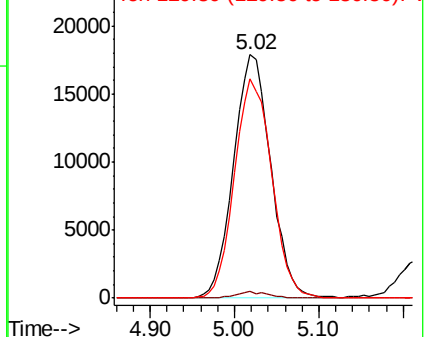
49 100

129 2.2 0.0 4.2

130 90.1 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: 98.41 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

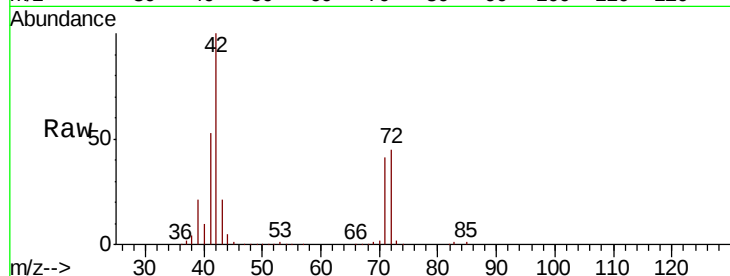
Tot Ion: 42 Resp: 157860

Ion Ratio Lower Upper

42 100

72 46.2 32.0 48.0

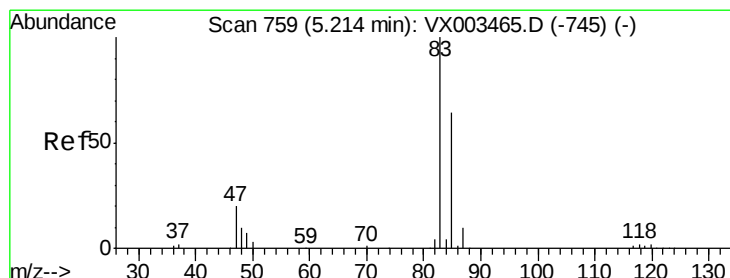
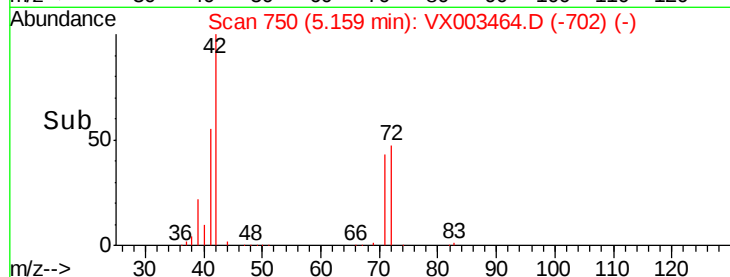
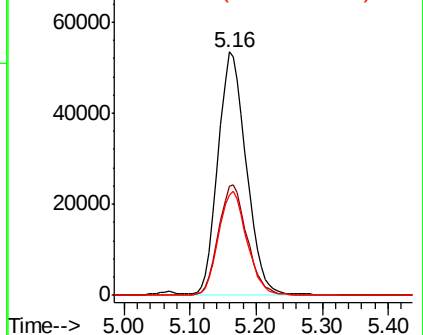
71 43.0 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.63 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003464.D

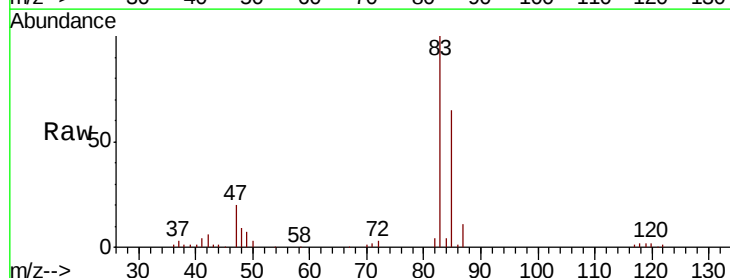
Acq: 19 Jul 2018 13:55

Tgt Ion: 83 Resp: 123857

Ion Ratio Lower Upper

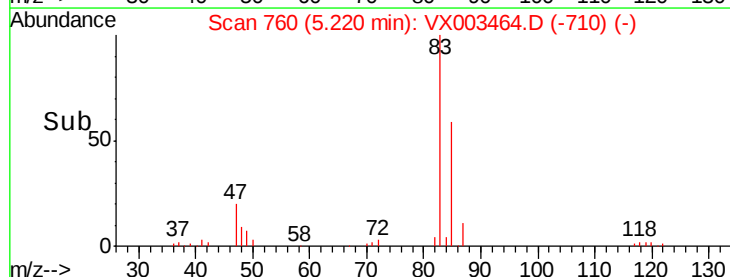
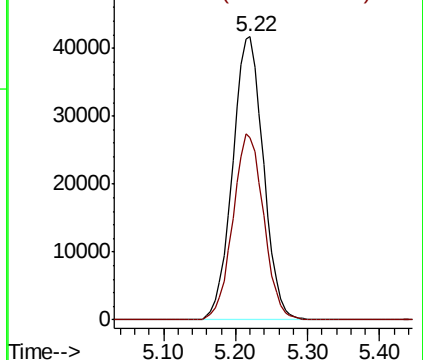
83 100

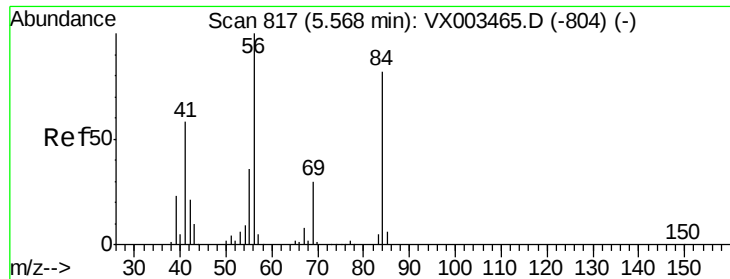
85 64.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

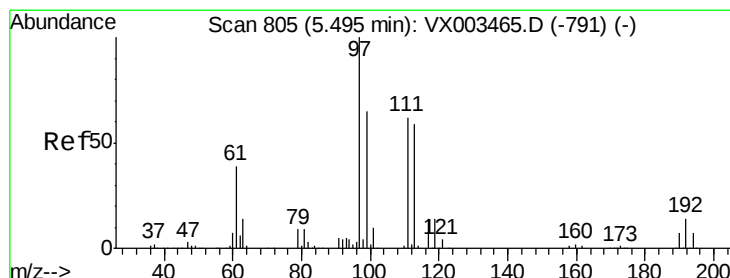
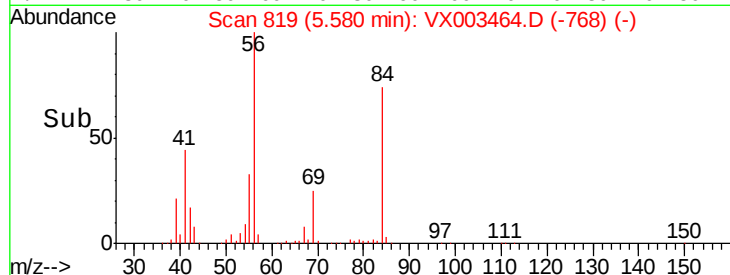
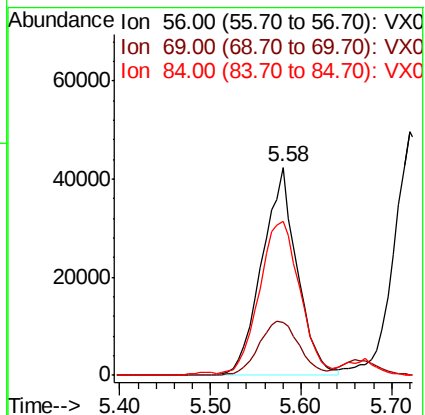
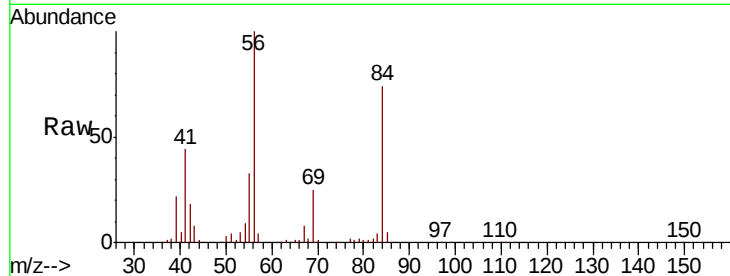
Tot Ion: 56 Resp: 113570

Ion Ratio Lower Upper

56 100

69 25.5 23.7 35.5

84 73.2 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 19.60 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

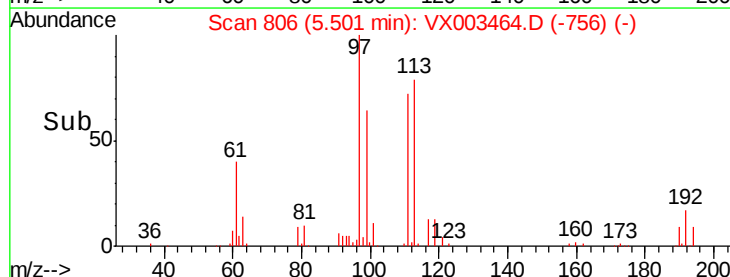
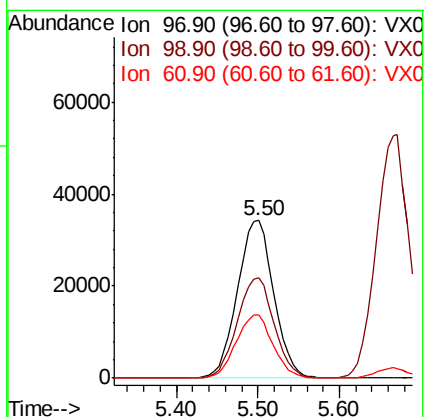
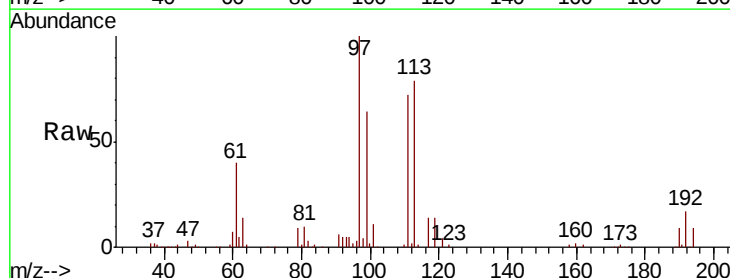
Tgt Ion: 97 Resp: 105880

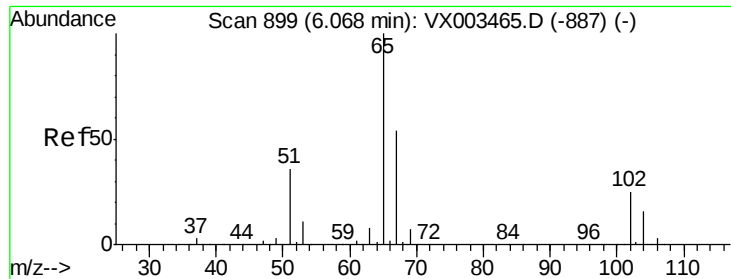
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 40.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 20.71 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

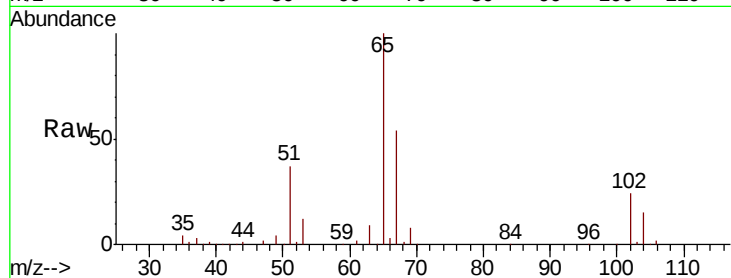
VSTDIC020

Tot Ion: 65 Resp: 79372

Ion Ratio Lower Upper

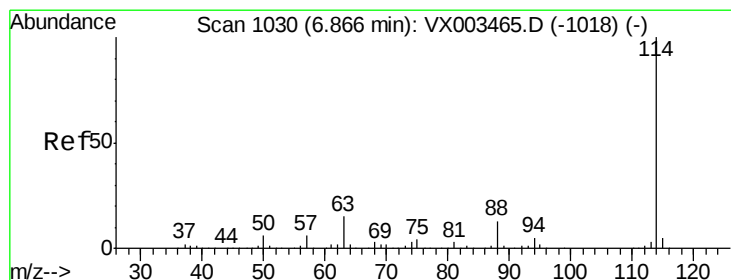
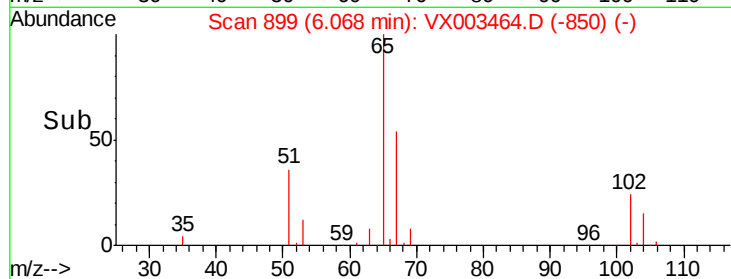
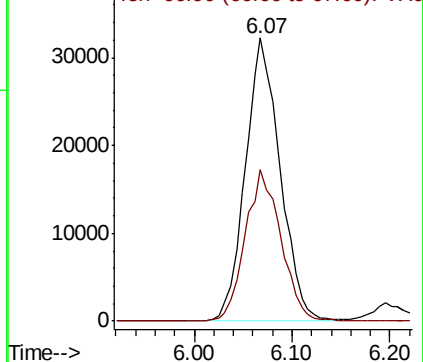
65 100

67 54.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

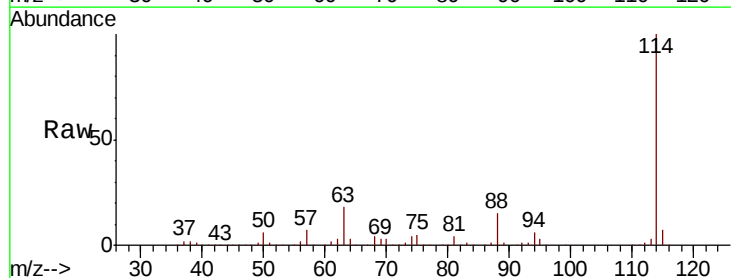
Tgt Ion: 114 Resp: 460336

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

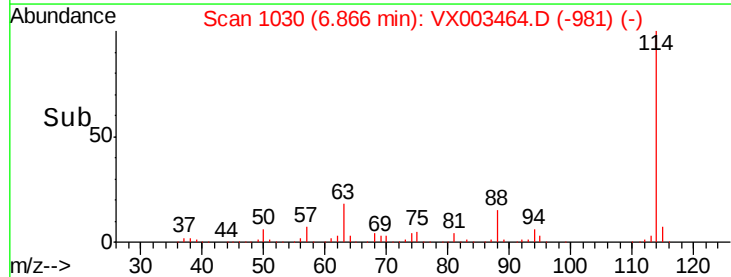
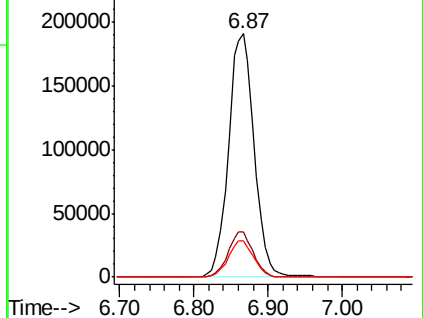
88 15.0 0.0 30.0

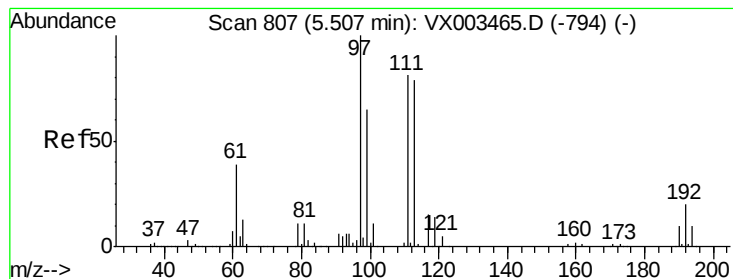


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 20.01 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

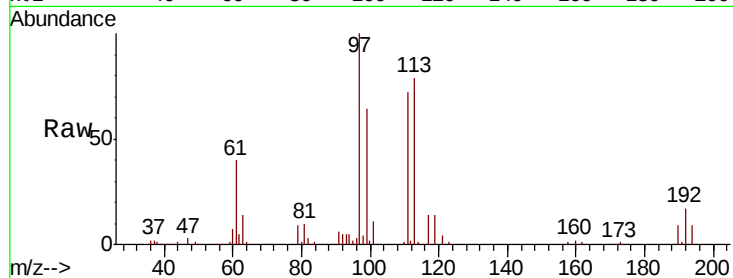
Tot Ion:113 Resp: 70151

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

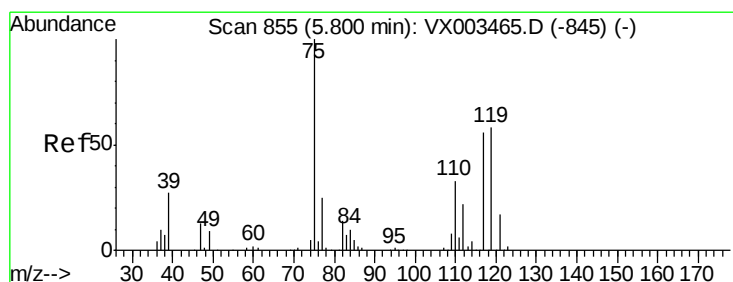
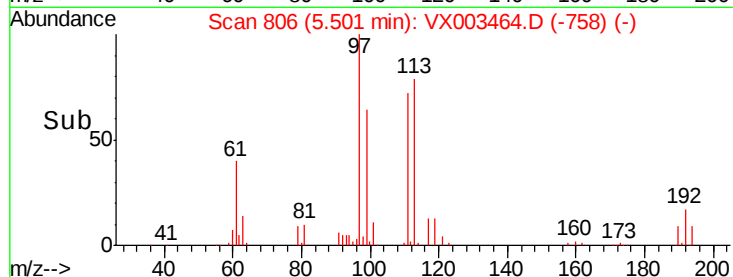
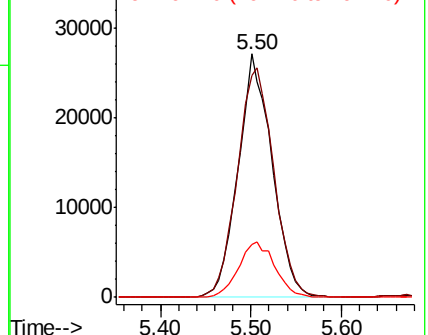
192 24.3 19.1 28.7



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: 18.80 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

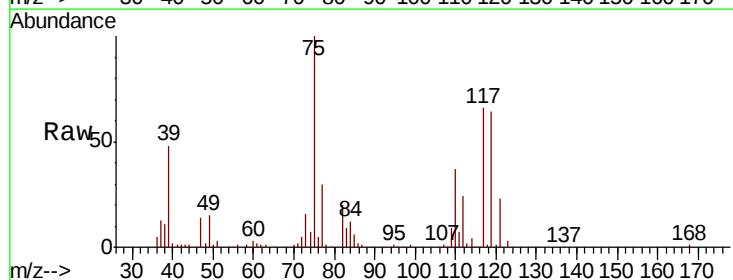
Tgt Ion: 75 Resp: 93453

Ion Ratio Lower Upper

75 100

110 38.7 18.1 54.4

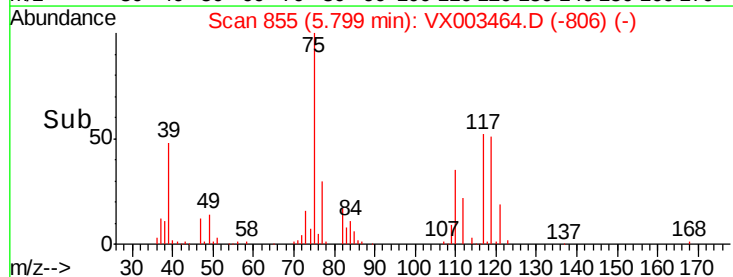
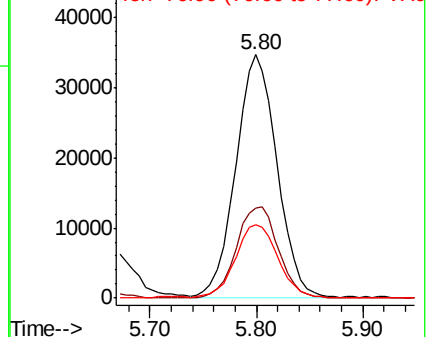
77 31.2 24.3 36.5

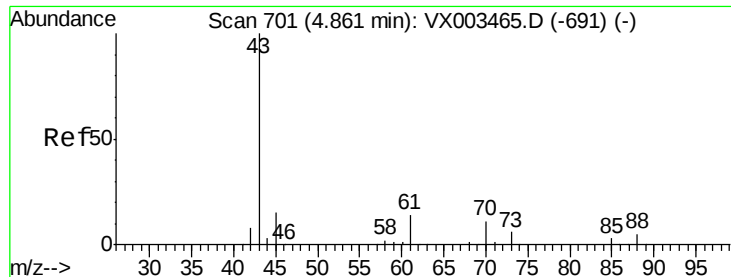


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.61 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

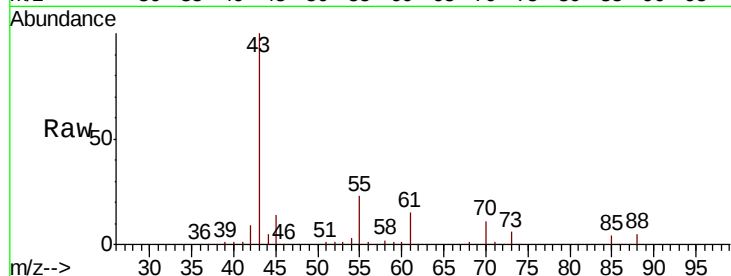
Tot Ion: 43 Resp: 92222

Ion Ratio Lower Upper

43 100

61 14.5 10.4 15.6

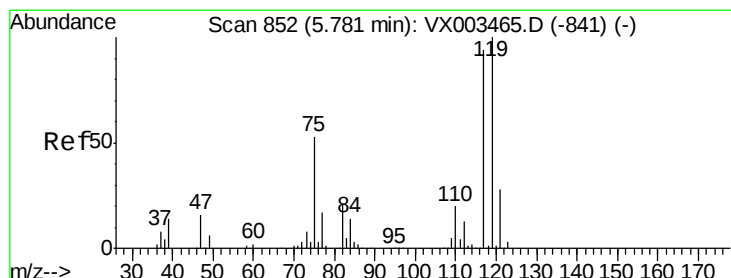
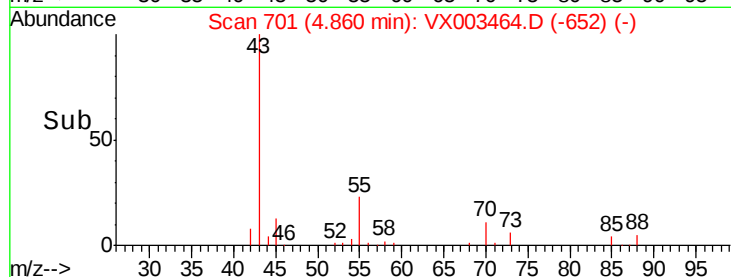
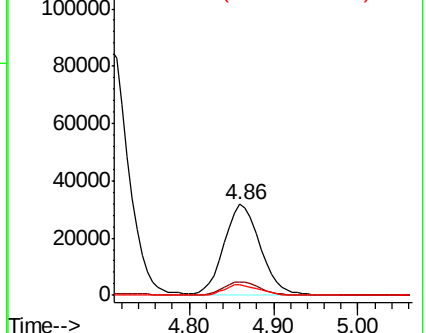
70 11.4 7.6 11.4



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: 19.40 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

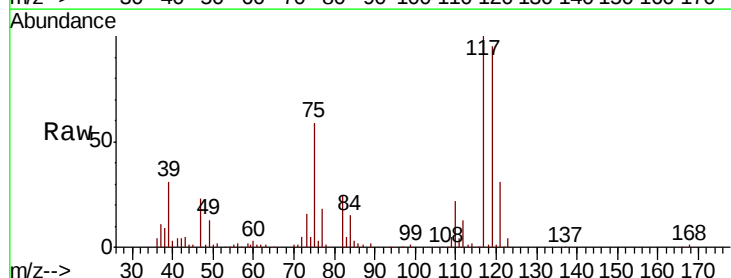
Tgt Ion: 117 Resp: 94555

Ion Ratio Lower Upper

117 100

119 94.4 77.4 116.0

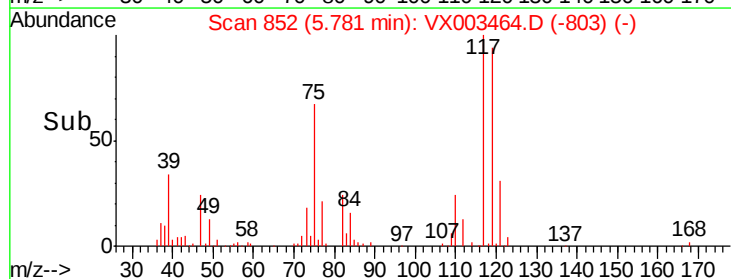
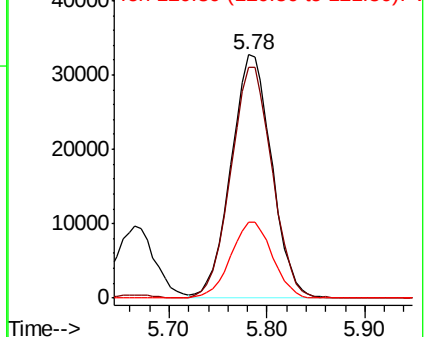
121 31.3 24.4 36.6

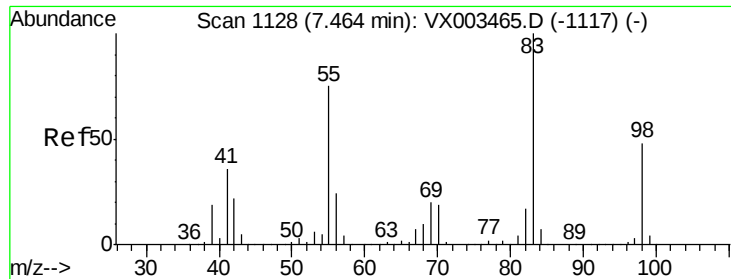


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

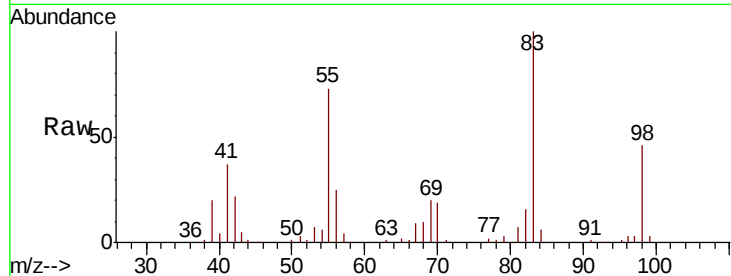




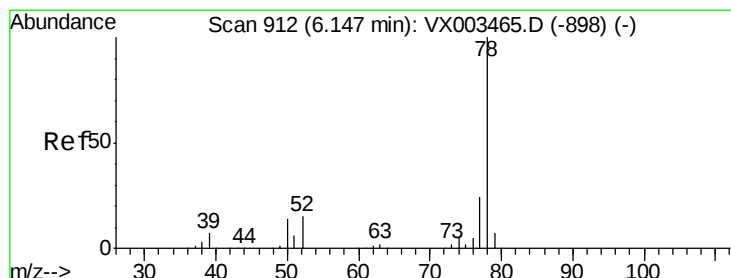
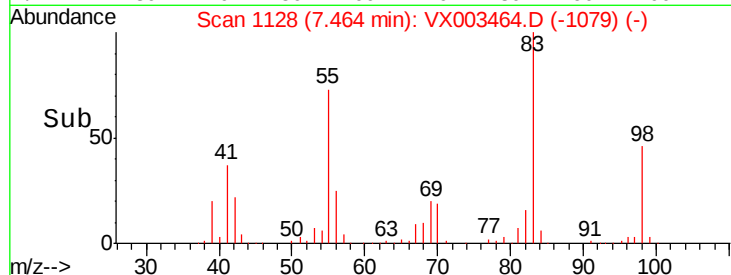
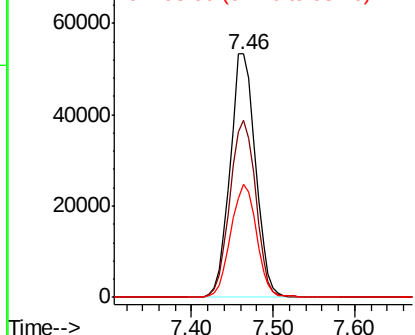
#39
Methvlcvclohexane
Concen: 19.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 114579
Ion Ratio Lower Upper
83 100
55 72.9 65.4 98.0
98 46.3 37.4 56.0

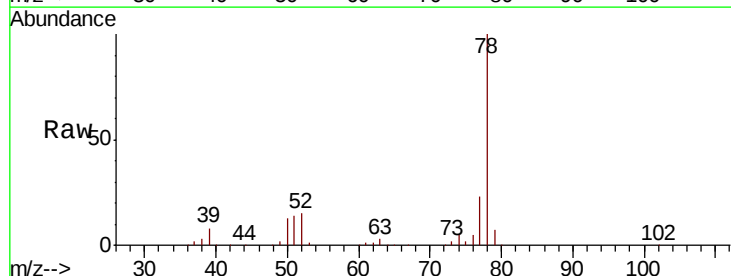


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

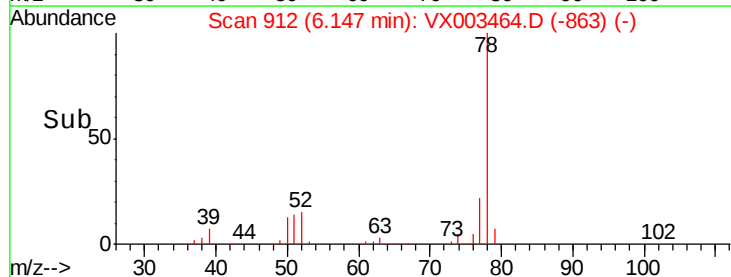
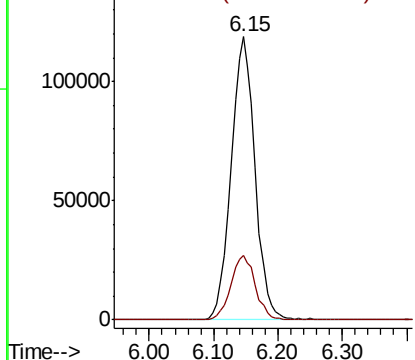


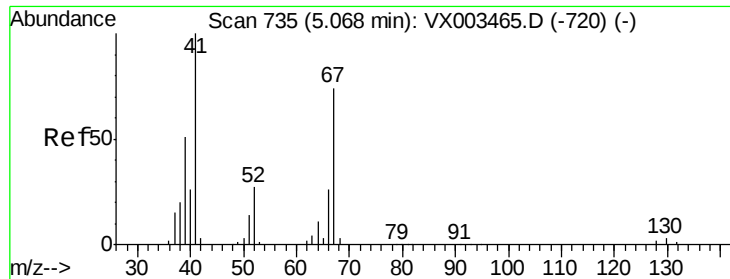
#40
Benzene
Concen: 20.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 78 Resp: 307933
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7



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

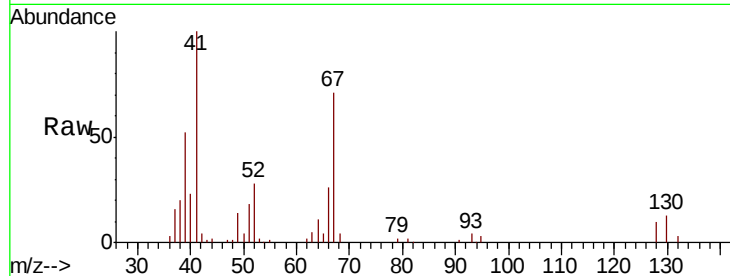




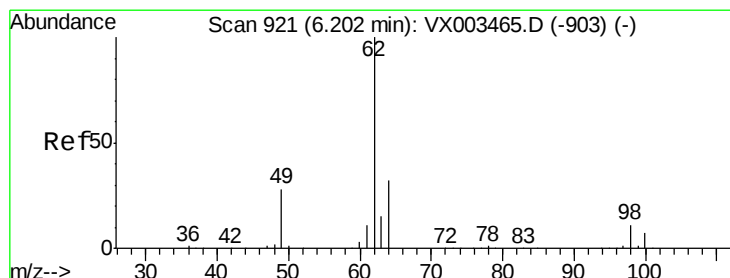
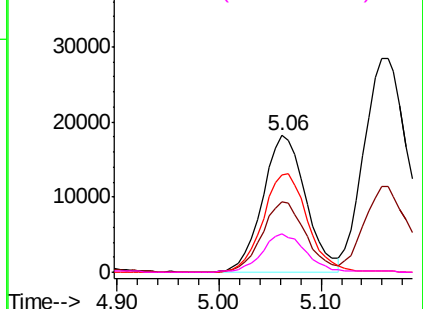
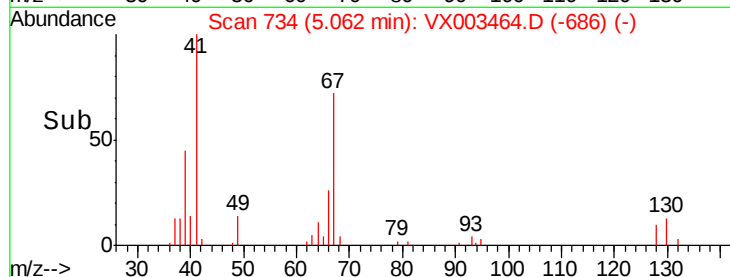
#41
Methacrylonitrile
Concen: 19.42 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	53678
Ion	Ratio	Lower	Upper
41	100		
39	52.0	45.8	68.6
67	74.2	51.3	76.9
52	28.8	23.0	34.6

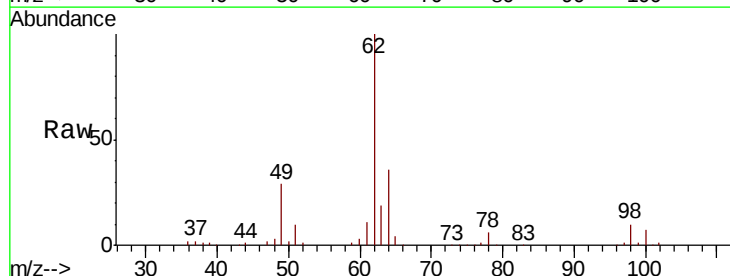


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

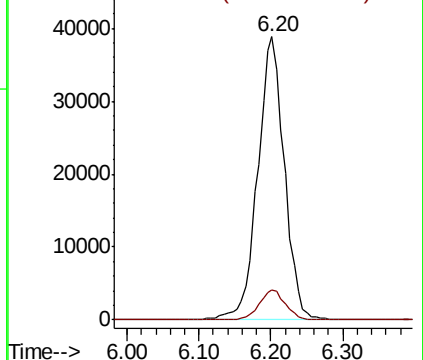
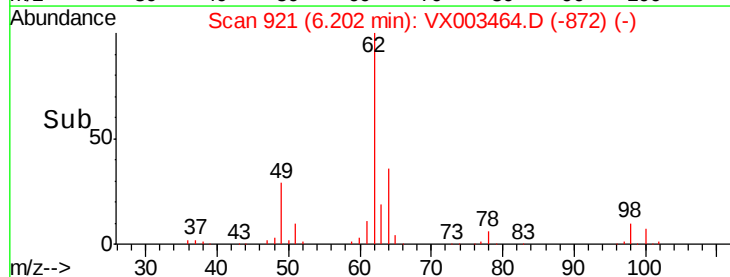


#42
1,2-Dichloroethane
Concen: 21.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:	62	Resp:	99739
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	16.6



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



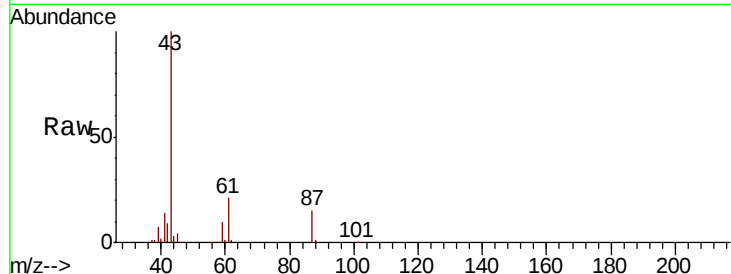


#43

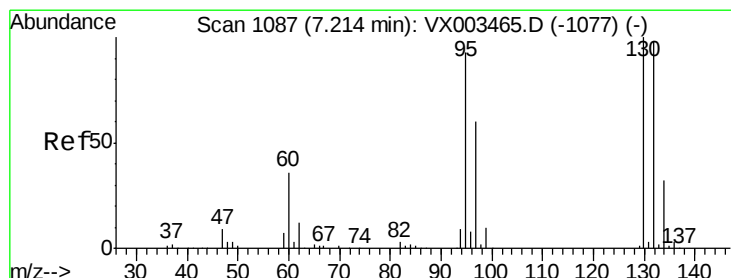
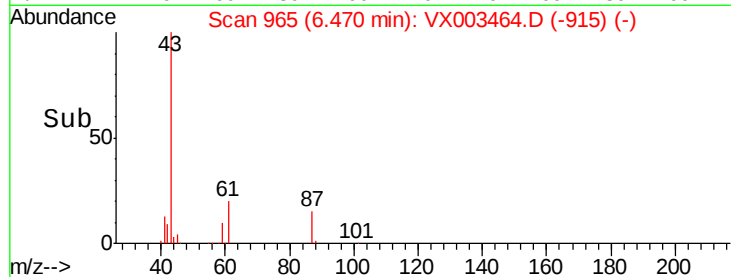
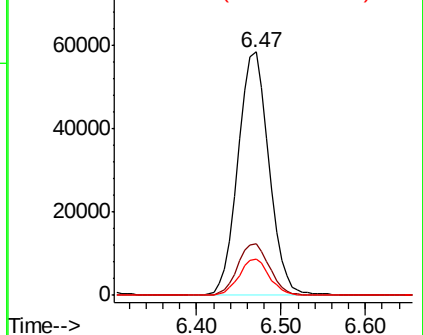
Isopropyl Acetate
 Concen: 19.41 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	14.4	21.6#
87	14.6	9.5	14.3#



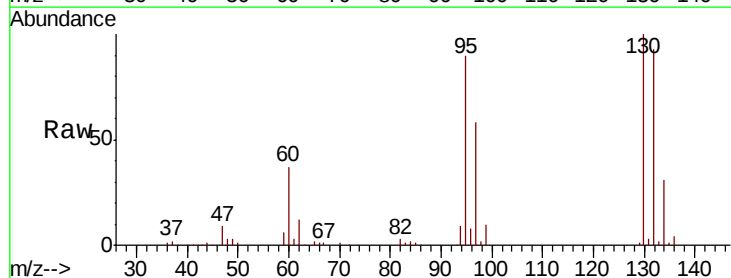
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



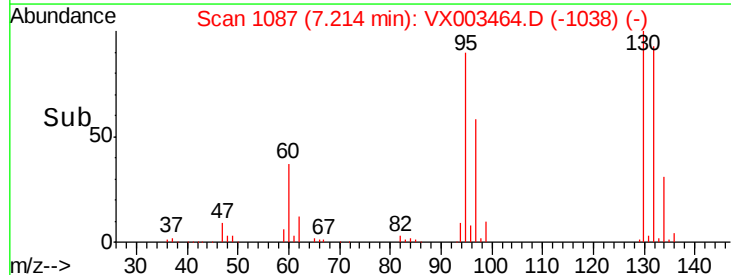
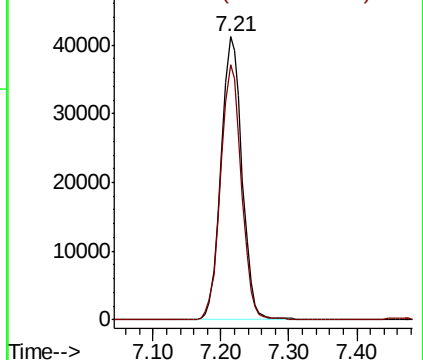
#44

Trichloroethene
 Concen: 19.78 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	185.4



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

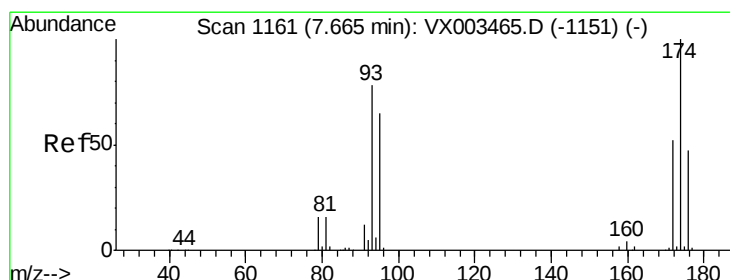
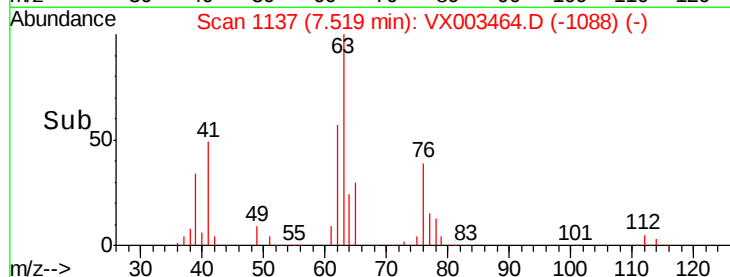
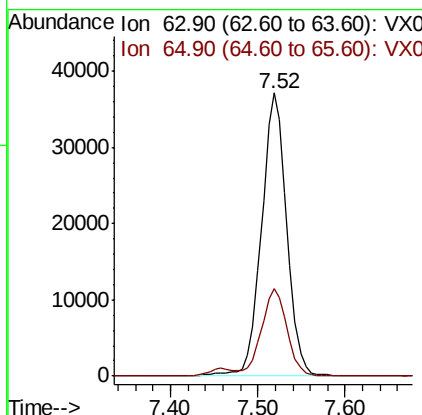
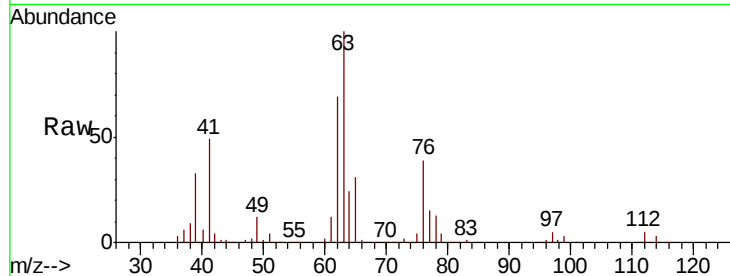




#45
 1,2-Dichloropropane
 Concen: 19.63 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

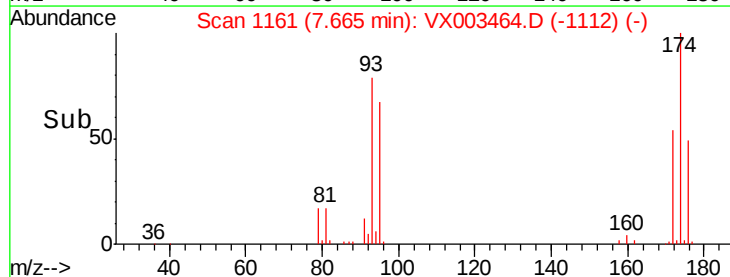
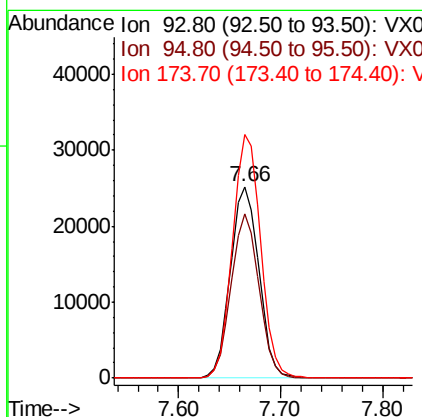
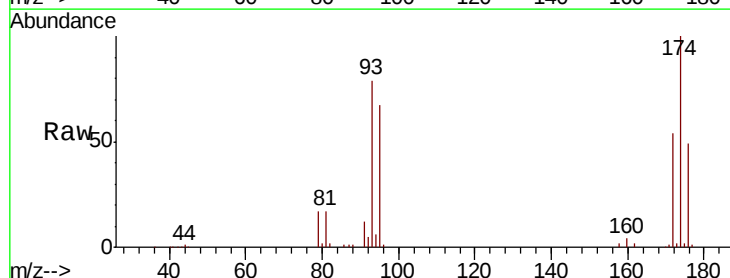
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

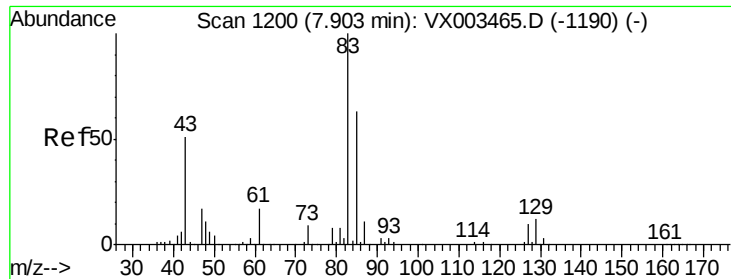
Tot Ion: 63 Resp: 74808
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1



#46
 Dibromomethane
 Concen: 19.85 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 93 Resp: 48696
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 125.4 92.4 138.6





#47

Bromodichloromethane

Concen: 19.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

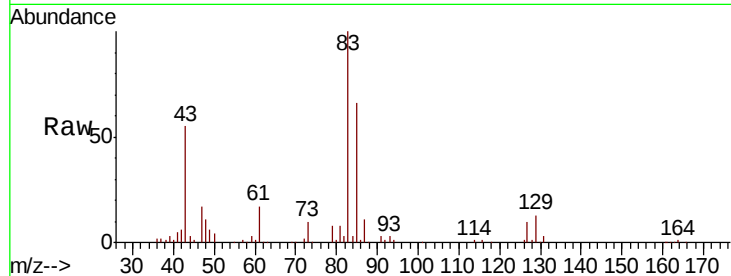
Tot Ion: 83 Resp: 88319

Ion Ratio Lower Upper

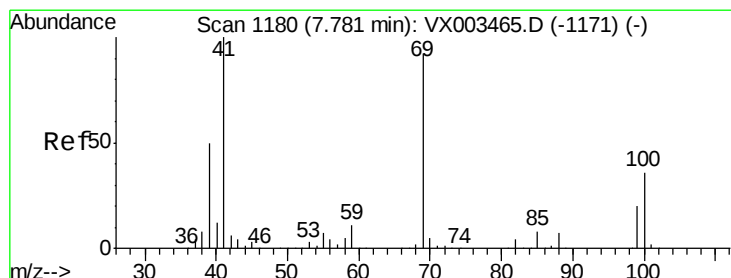
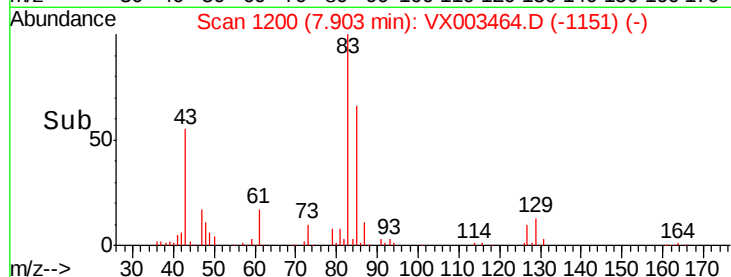
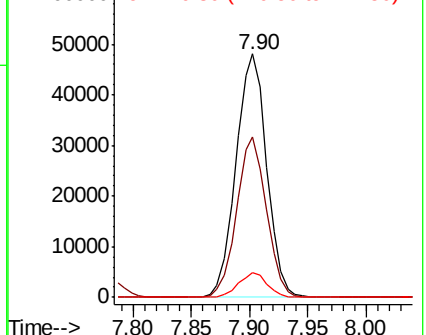
83 100

85 65.8 50.3 75.5

127 10.0 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: 19.64 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

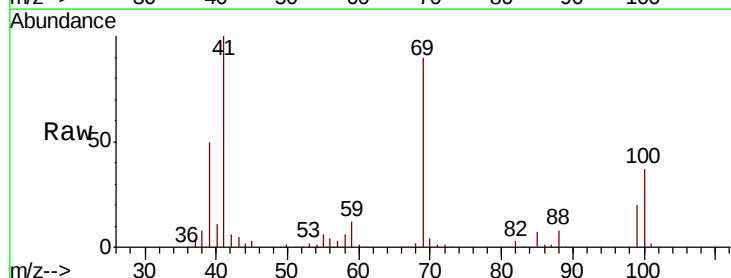
Tgt Ion: 41 Resp: 74103

Ion Ratio Lower Upper

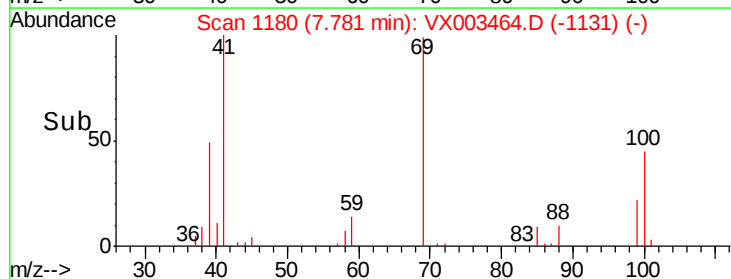
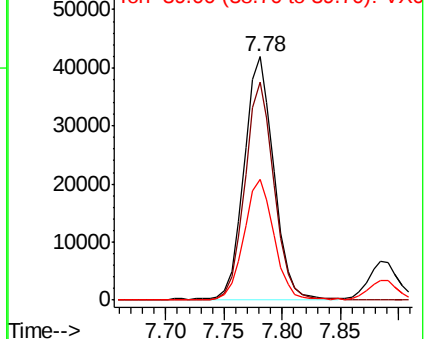
41 100

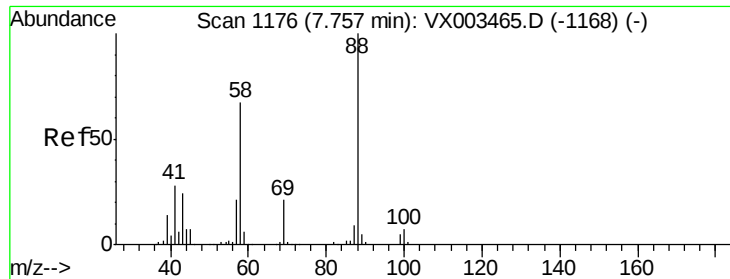
69 89.3 59.1 88.7#

39 50.2 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: 396.34 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

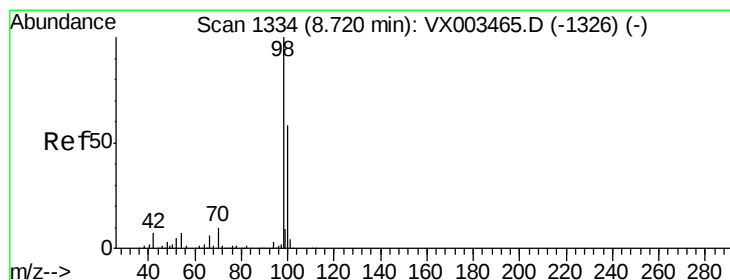
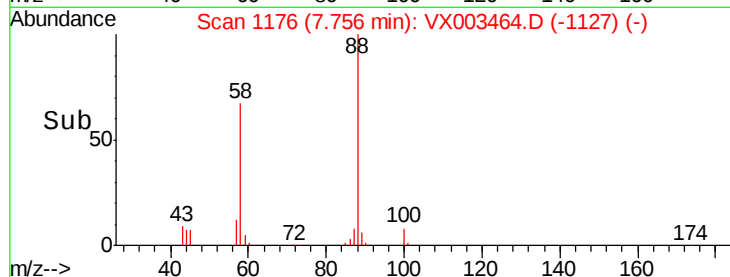
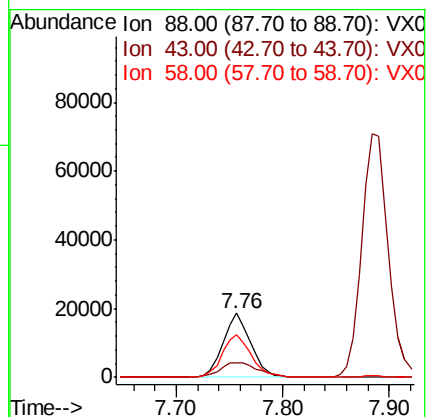
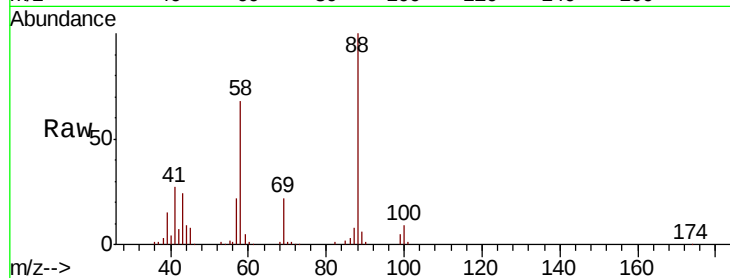
Tot Ion: 88 Resp: 33881

Ion Ratio Lower Upper

88 100

43 30.7 29.8 44.6

58 70.6 57.1 85.7



#50

Toluene-d8

Concen: 19.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003464.D

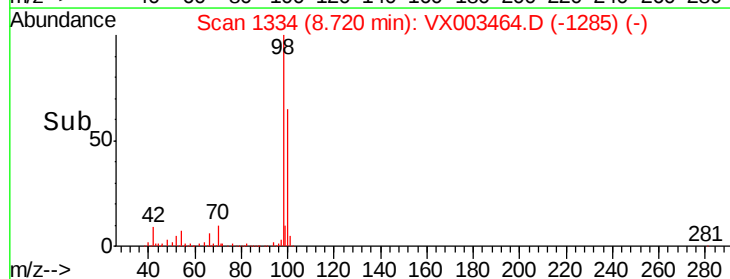
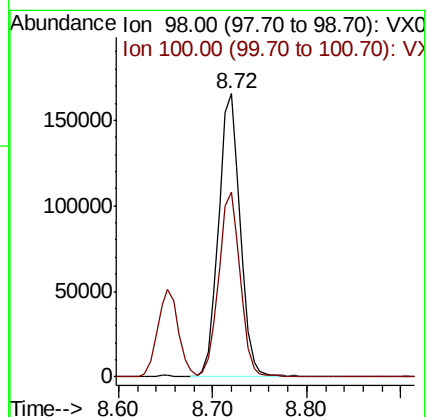
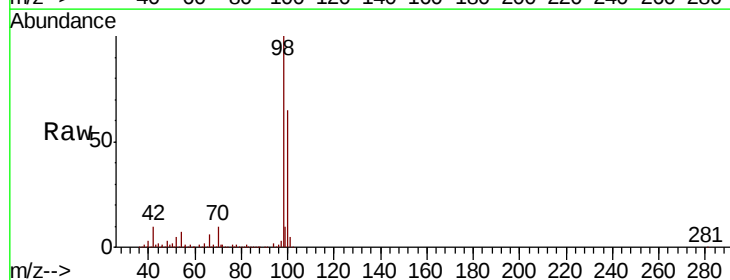
Acq: 19 Jul 2018 13:55

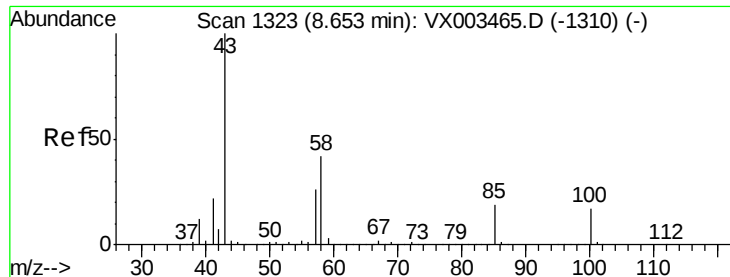
Tgt Ion: 98 Resp: 262854

Ion Ratio Lower Upper

98 100

100 65.5 50.9 76.3

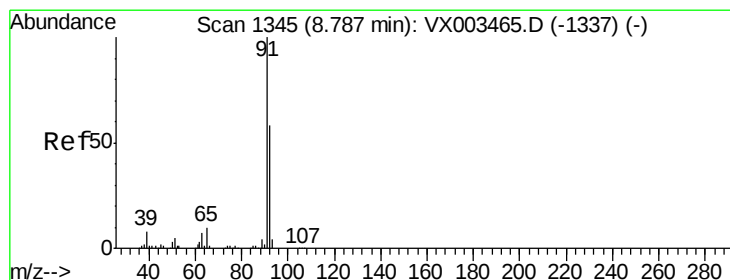
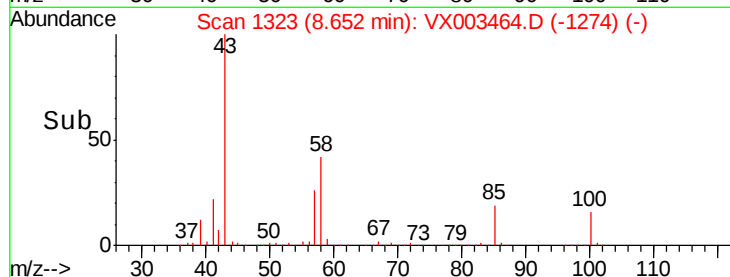
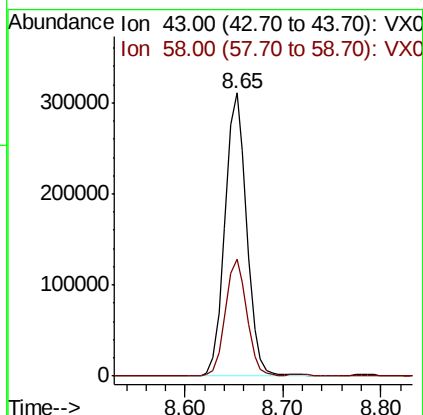
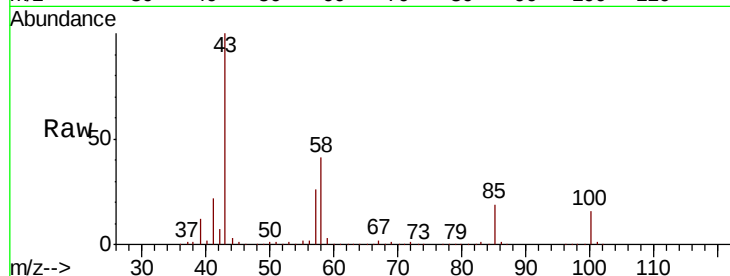




#51
4-Methyl-2-Pentanone
Concen: 101.37 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

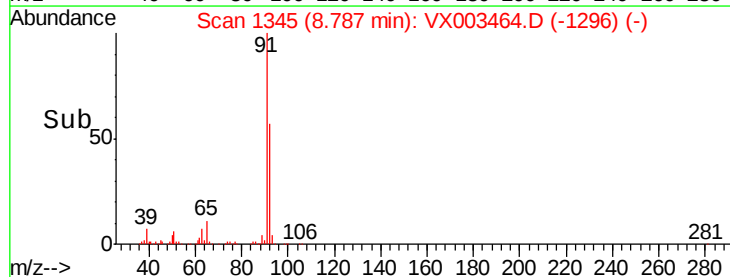
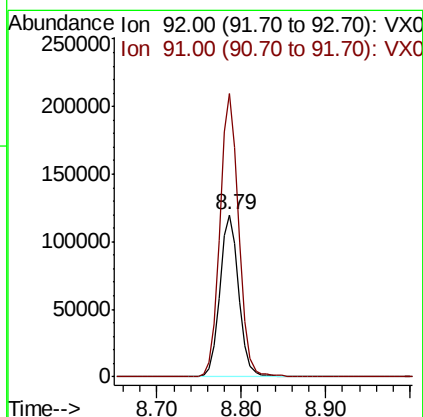
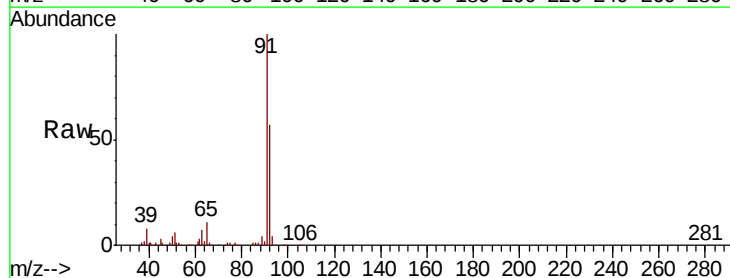
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 479094
Ion Ratio Lower Upper
43 100
58 40.7 28.6 42.8



#52
Toluene
Concen: 19.75 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 92 Resp: 186530
Ion Ratio Lower Upper
92 100
91 173.4 140.4 210.6

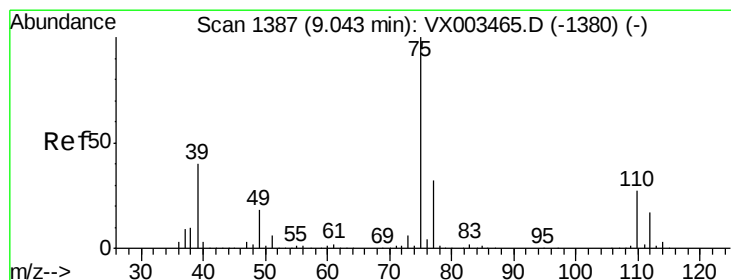
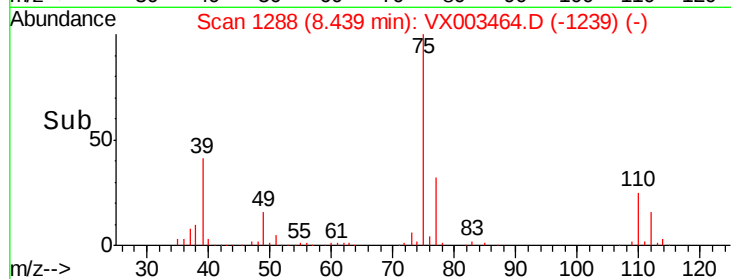
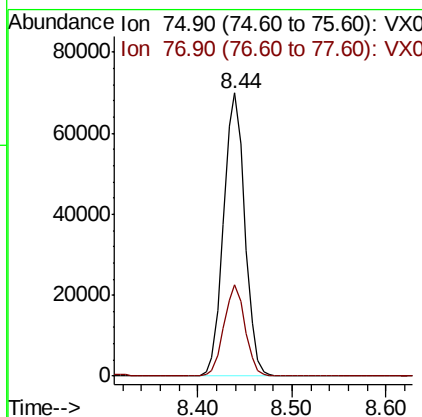
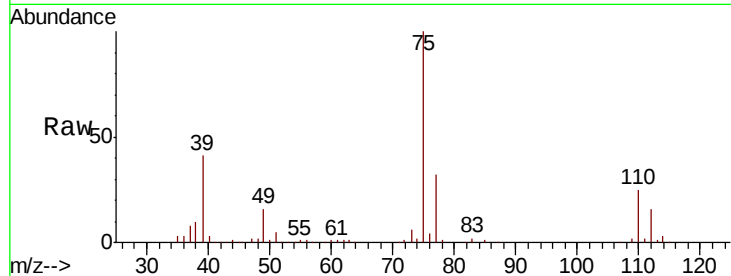




#53
 t-1,3-Dichloropropene
 Concen: 19.83 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

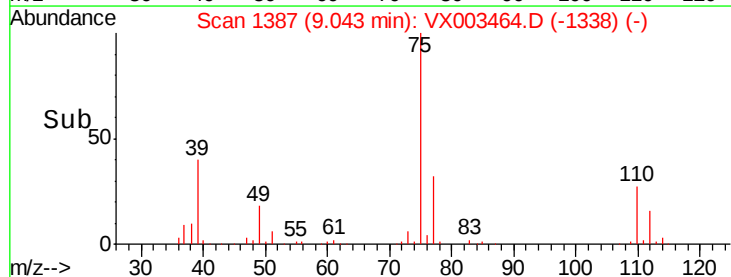
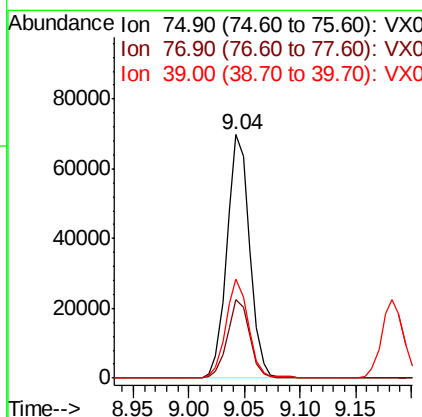
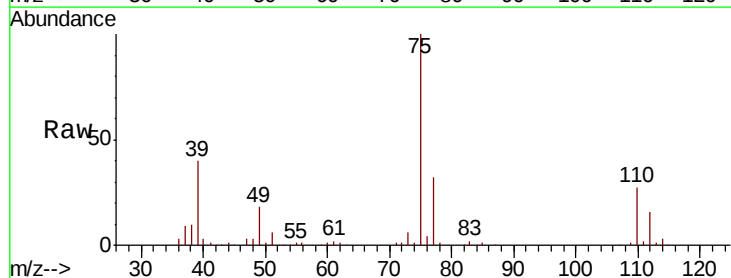
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

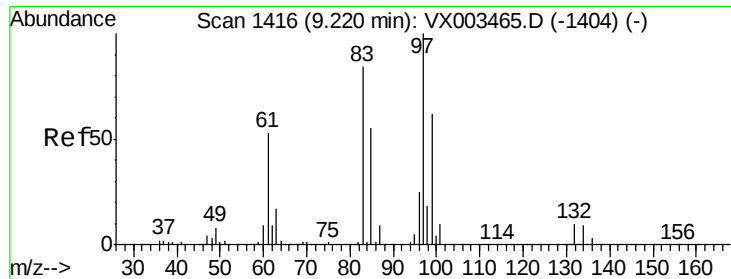
Tot Ion: 75 Resp: 109594
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.77 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 75 Resp: 98294
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.8 37.2
 39 40.3 42.4 63.6#

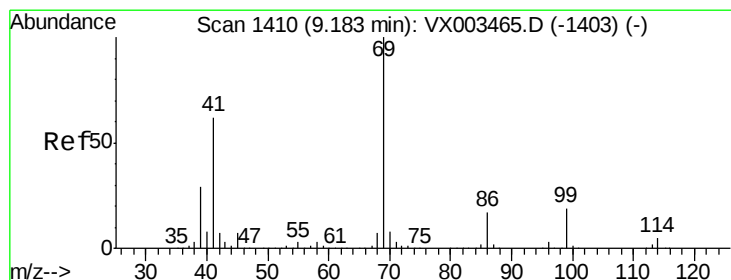
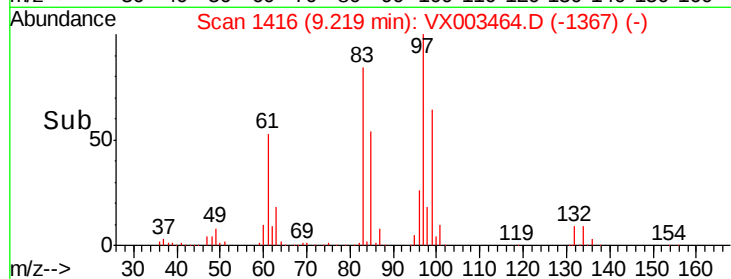
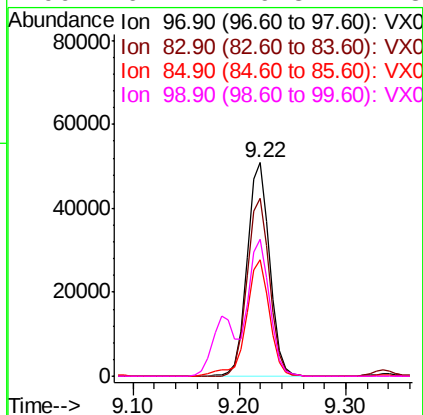
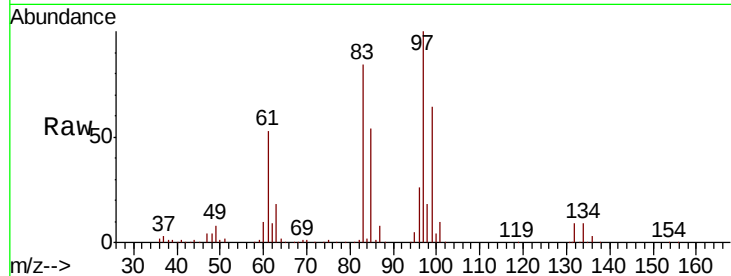




#55
 1,1,2-Trichloroethane
 Concen: 20.02 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

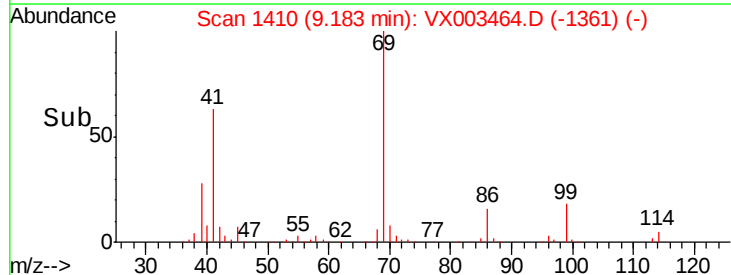
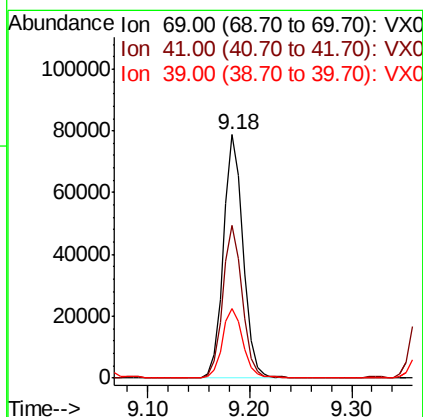
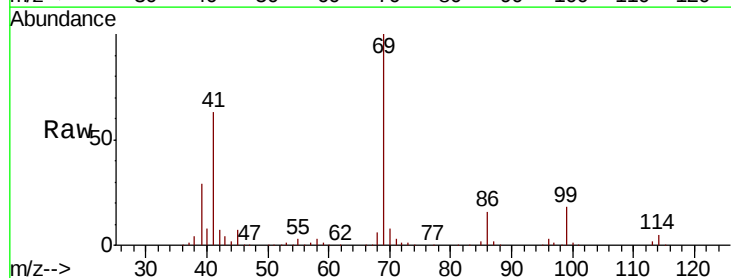
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

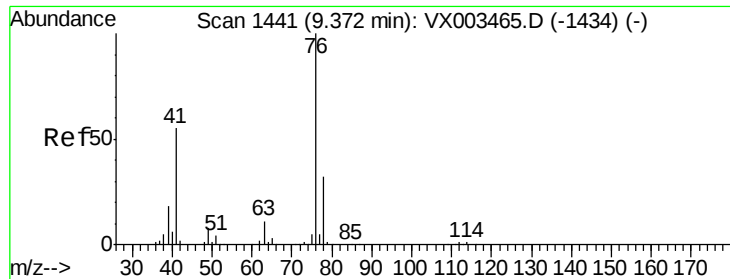
Tot Ion: 97 Resp: 75255
 Ion Ratio Lower Upper
 97 100
 83 83.5 70.2 105.2
 85 54.5 44.9 67.3
 99 64.2 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 19.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 69 Resp: 105631
 Ion Ratio Lower Upper
 69 100
 41 62.4 60.3 90.5
 39 30.0 35.8 53.8#

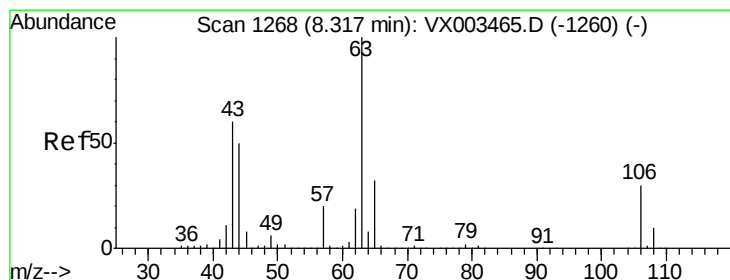
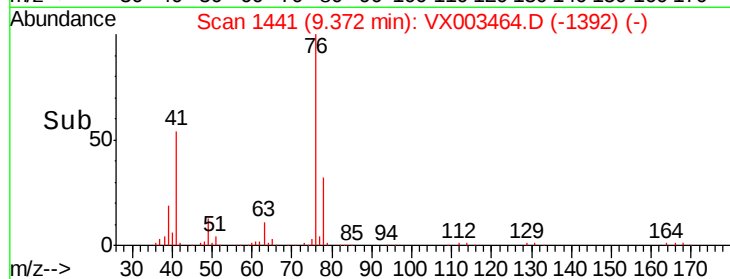
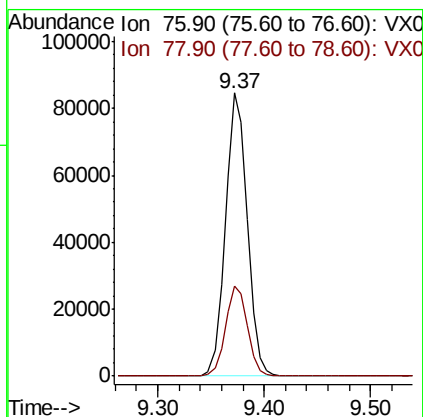
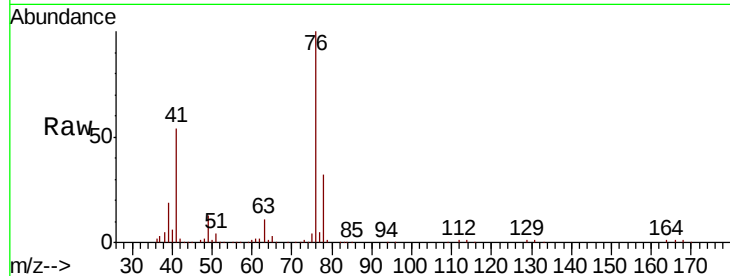




#57
 1,3-Dichloropropane
 Concen: 19.96 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

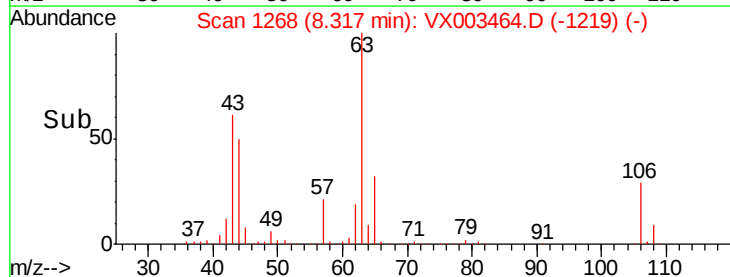
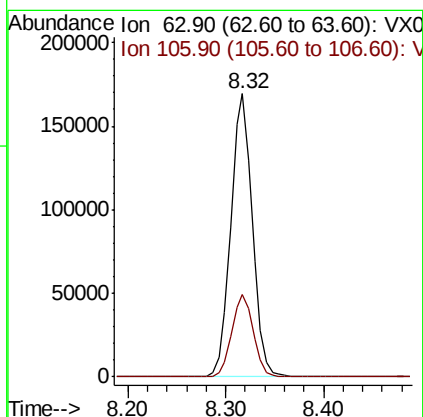
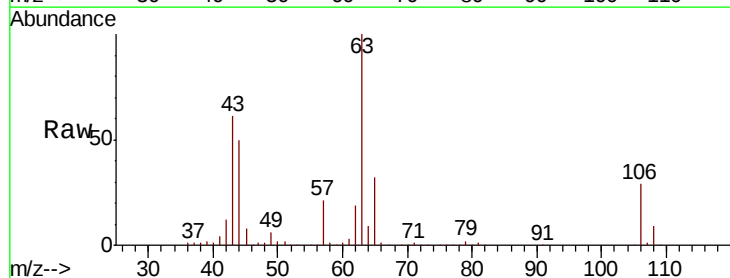
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 121261
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.26 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 63 Resp: 258085
 Ion Ratio Lower Upper
 63 100
 106 29.4 21.8 32.8

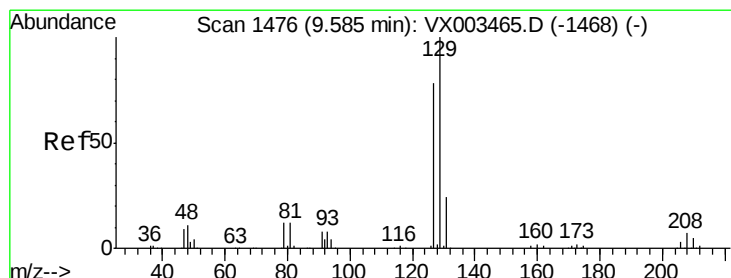
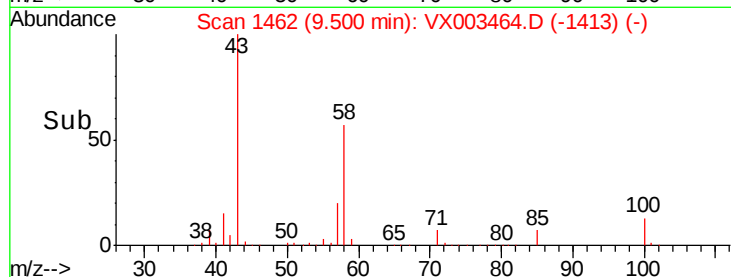
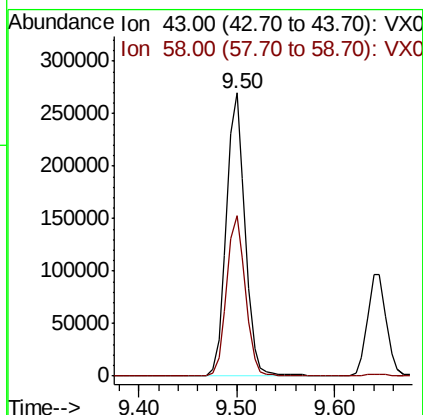
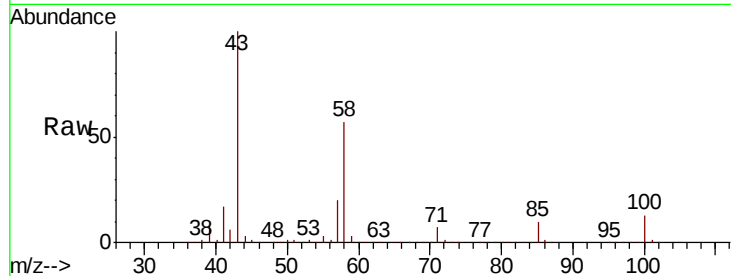




#59
2-Hexanone
Concen: 102.38 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

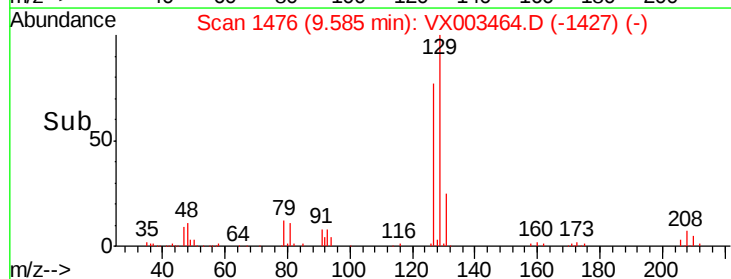
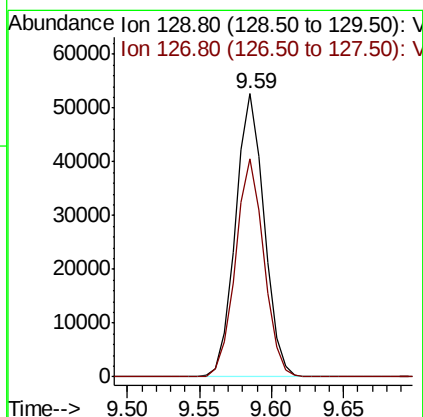
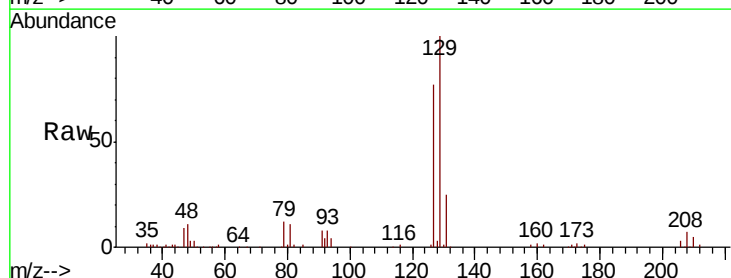
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

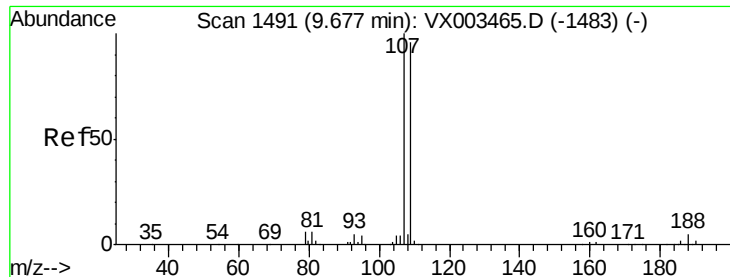
Tot Ion: 43 Resp: 358519
Ion Ratio Lower Upper
43 100
58 57.4 24.6 73.6



#60
Dibromochloromethane
Concen: 19.73 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 129 Resp: 73399
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.87 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

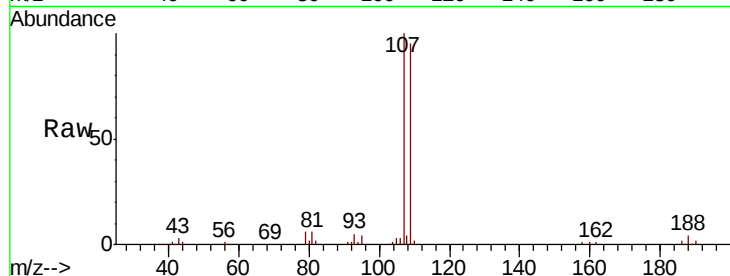
VSTDIC020

Tot Ion:107 Resp: 77432

Ion Ratio Lower Upper

107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

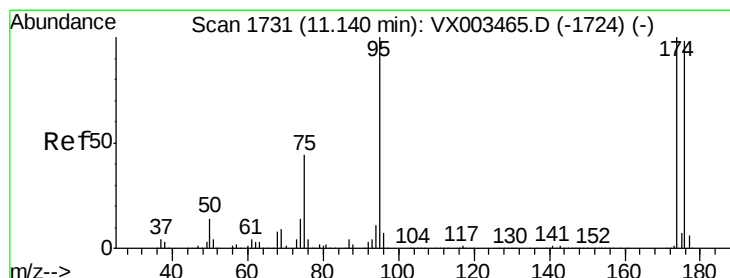
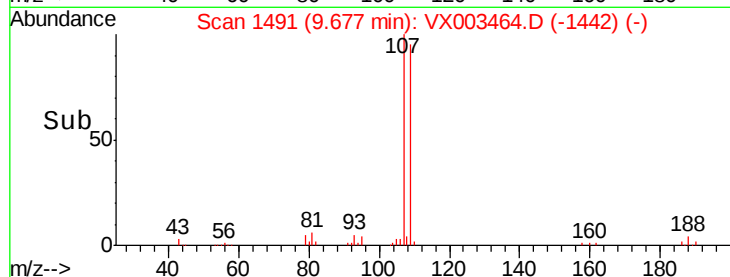
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

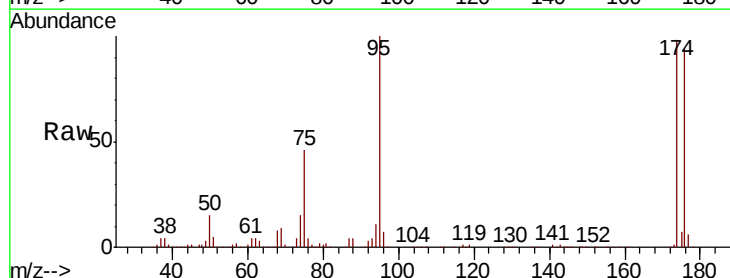
Tgt Ion: 95 Resp: 94037

Ion Ratio Lower Upper

95 100

174 97.4 0.0 187.4

176 93.4 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

100000

80000

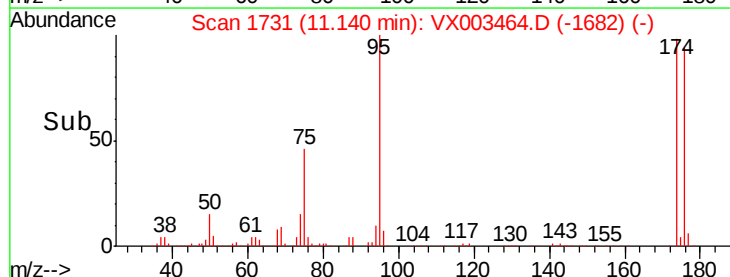
60000

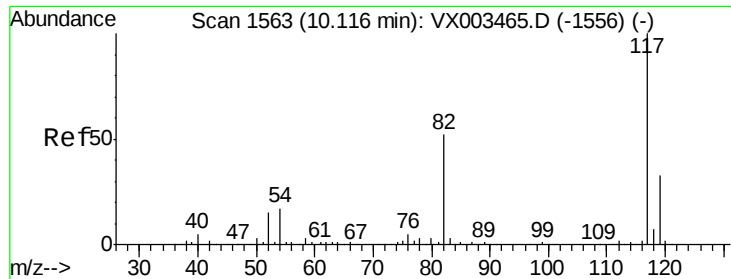
40000

20000

0

Time-->

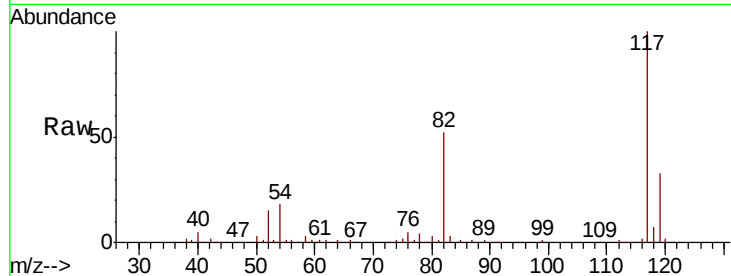




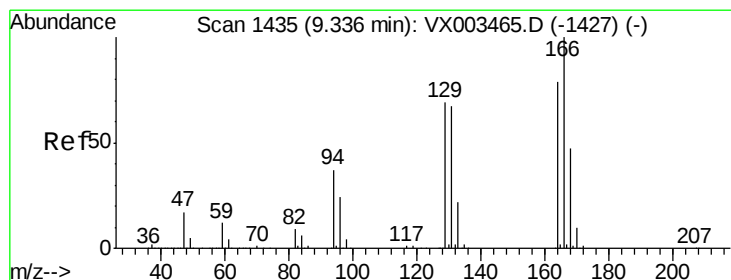
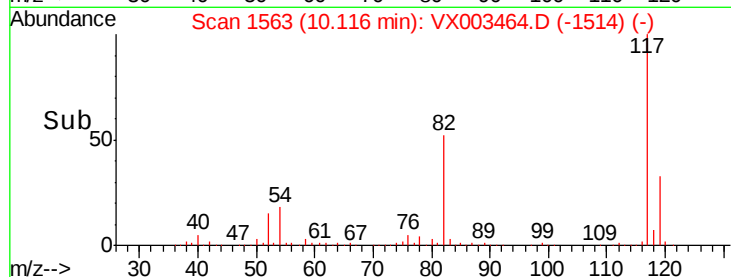
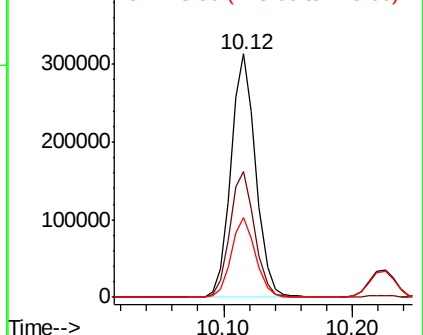
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 421312
Ion Ratio Lower Upper
117 100
82 51.7 45.0 67.4
119 32.6 25.8 38.6

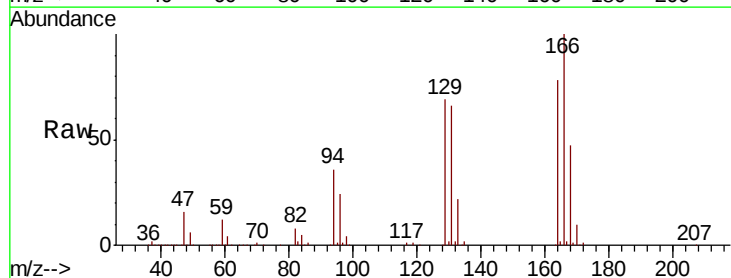


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

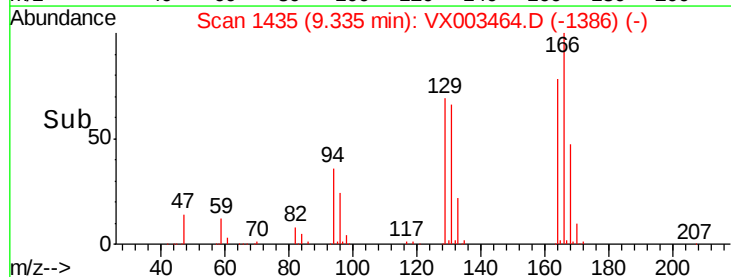
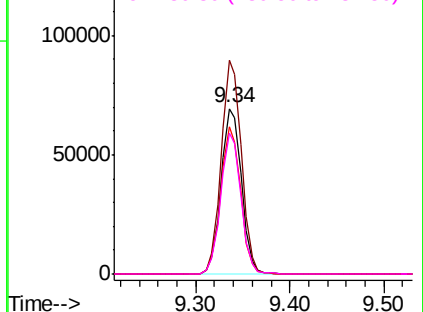


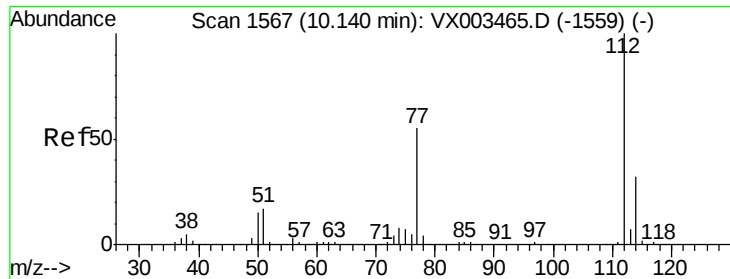
#64
Tetrachloroethene
Concen: 20.30 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:164 Resp: 104206
Ion Ratio Lower Upper
164 100
166 128.9 102.9 154.3
129 89.2 68.6 102.8
131 84.8 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.76 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

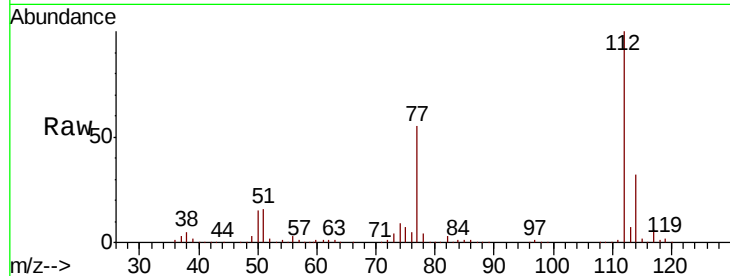
VSTDIC020

Tot Ion:112 Resp: 214530

Ion Ratio Lower Upper

112 100

114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

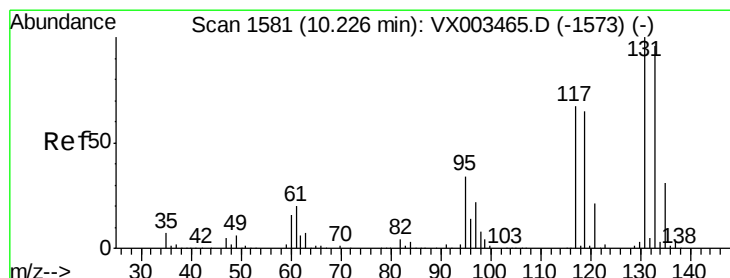
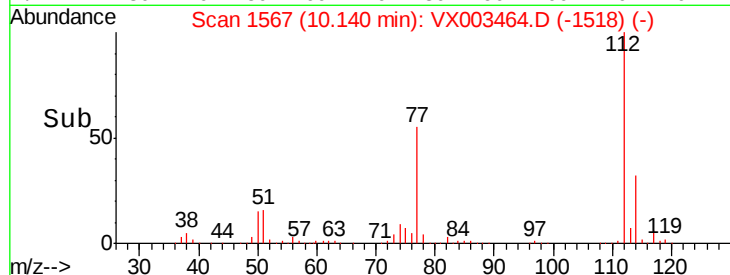
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

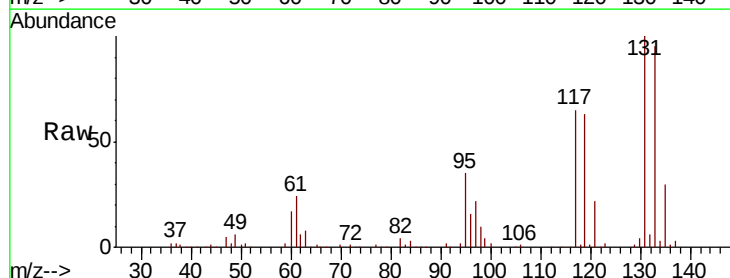
Tgt Ion:131 Resp: 74310

Ion Ratio Lower Upper

131 100

133 94.8 47.9 143.6

119 64.2 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

100000

80000

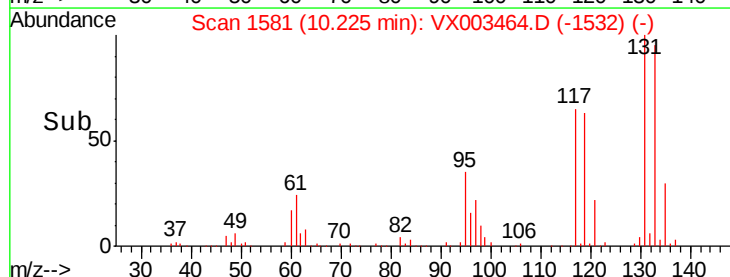
60000

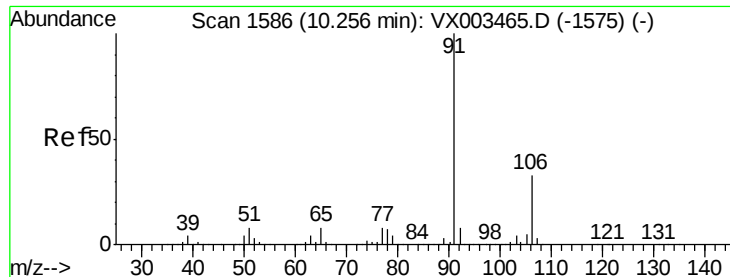
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.73 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

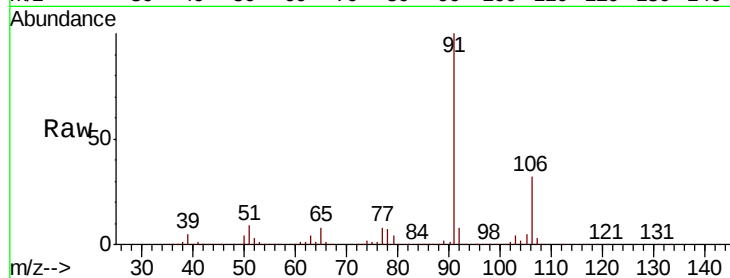
VSTDIC020

Tot Ion: 91 Resp: 344365

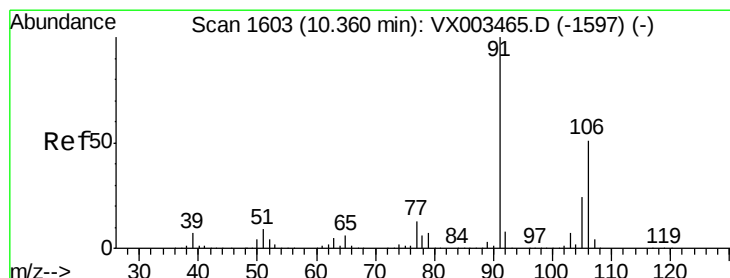
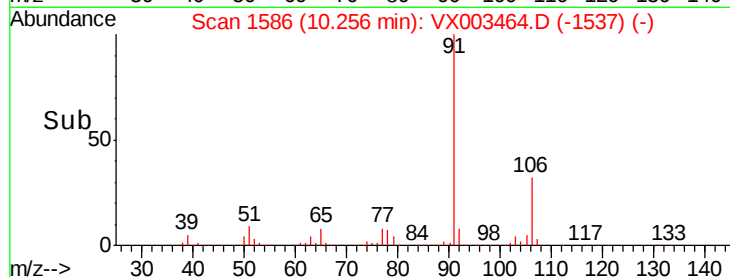
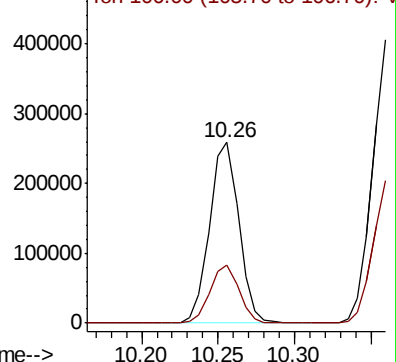
Ion Ratio Lower Upper

91 100

106 32.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1575) (-)



#68

m/p-Xylenes

Concen: 40.01 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003464.D

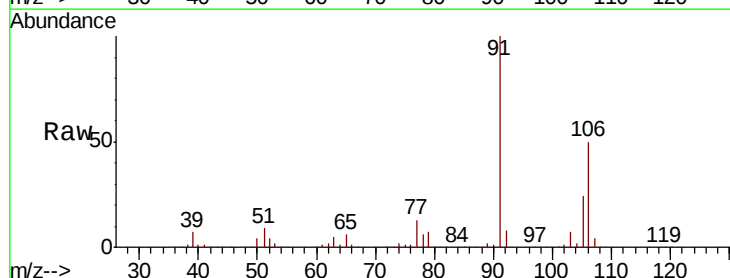
Acq: 19 Jul 2018 13:55

Tgt Ion: 106 Resp: 273789

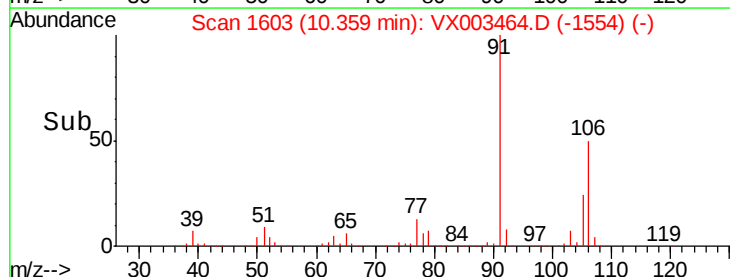
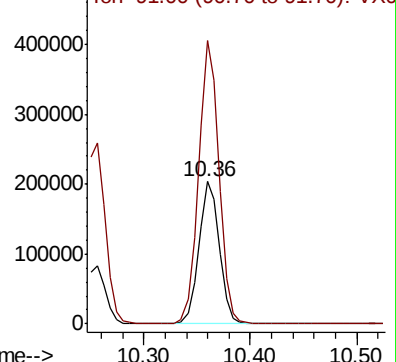
Ion Ratio Lower Upper

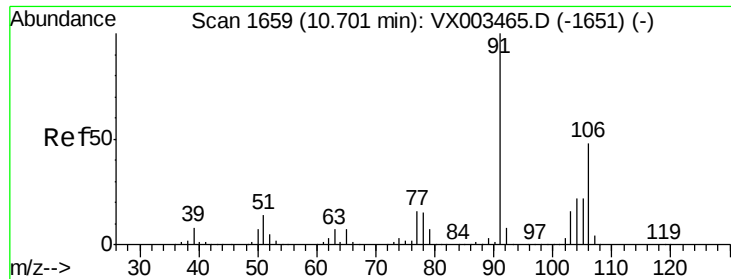
106 100

91 197.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003465.D (-1597) (-)

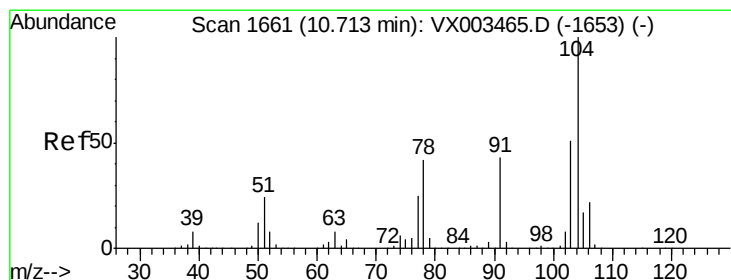
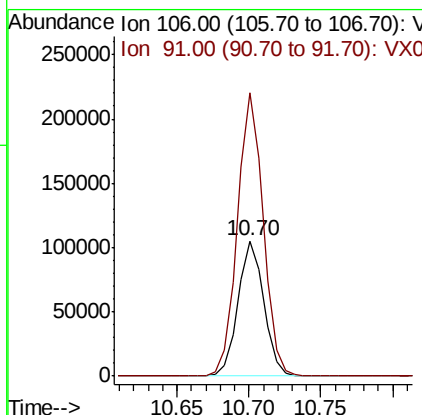
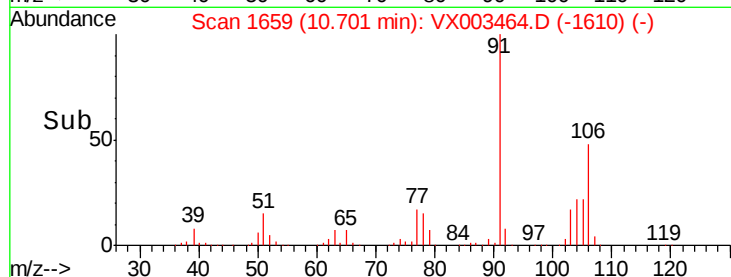
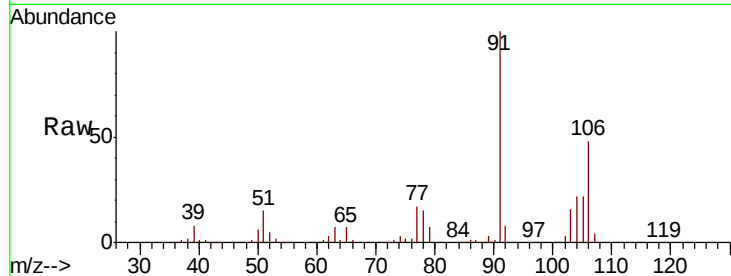




#69
o-Xylene
Concen: 19.82 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

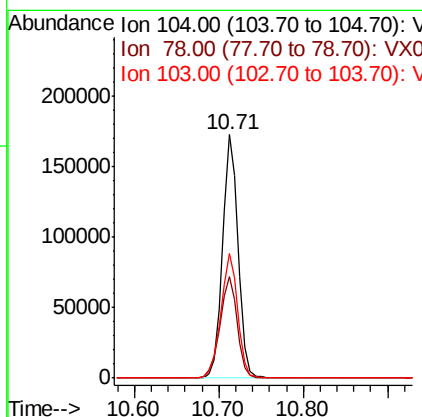
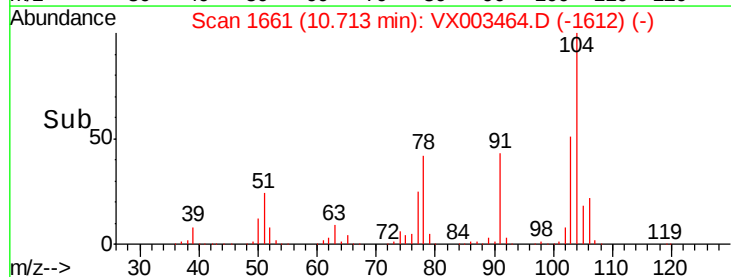
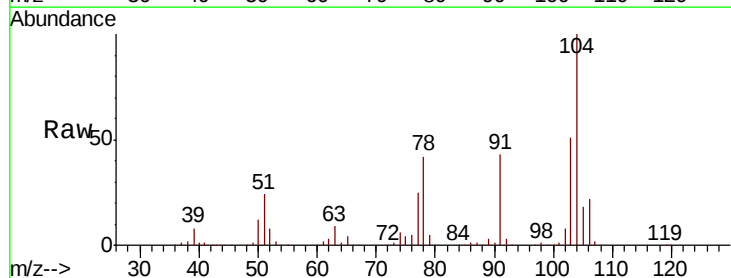
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

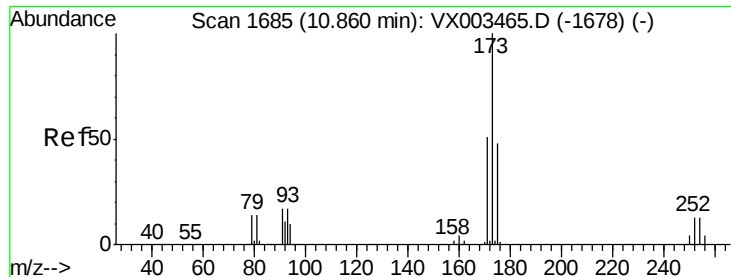
Tot Ion:106 Resp: 131171
Ion Ratio Lower Upper
106 100
91 209.6 108.2 324.6



#70
Styrene
Concen: 20.30 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:104 Resp: 220943
Ion Ratio Lower Upper
104 100
78 46.0 41.0 61.6
103 55.4 44.2 66.4

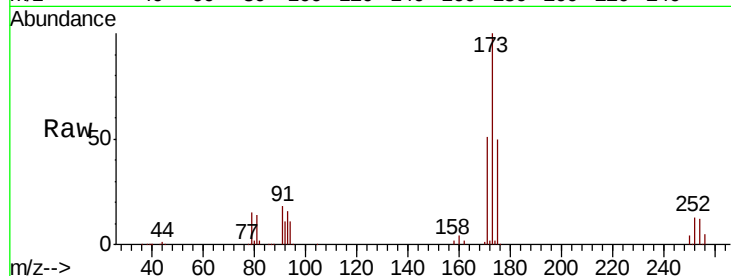




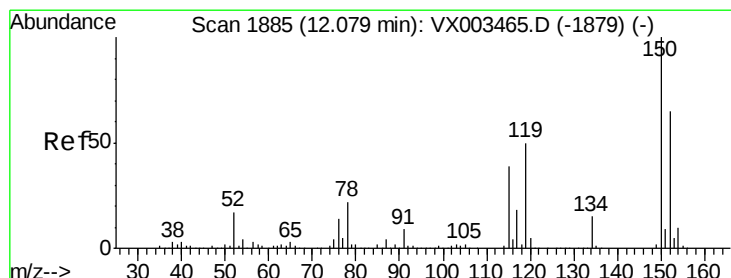
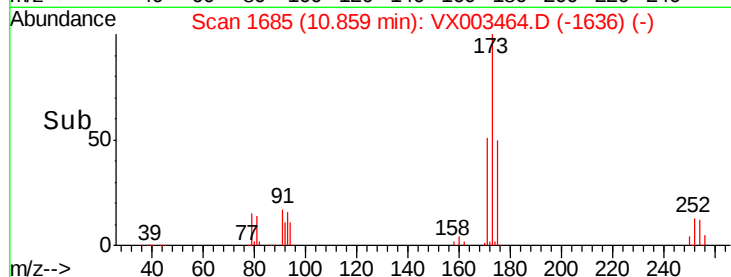
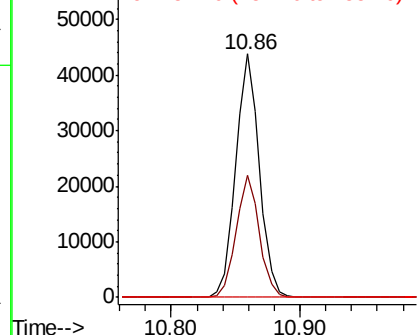
#71
Bromoform
Concen: 19.31 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 56042
Ion Ratio Lower Upper
173 100
175 49.1 24.7 74.1
254 0.1 0.2 0.2#

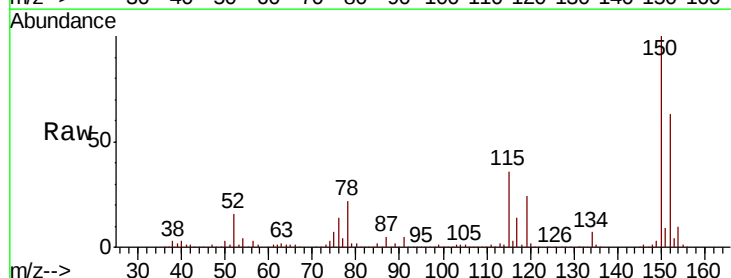


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

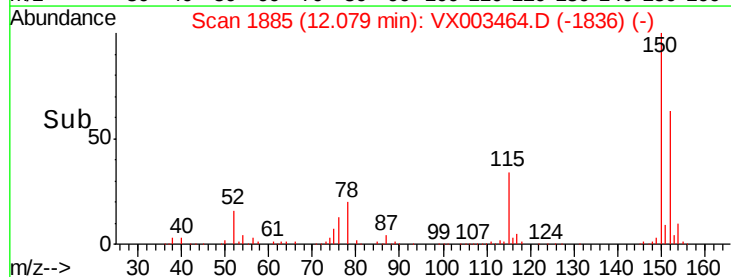
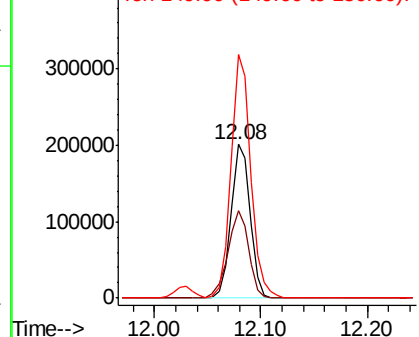


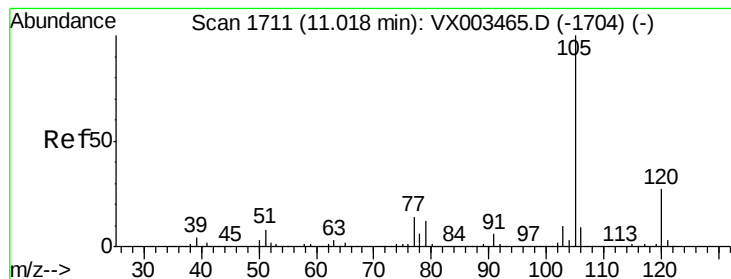
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:152 Resp: 251498
Ion Ratio Lower Upper
152 100
115 62.3 40.1 120.2
150 164.5 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: 20.21 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

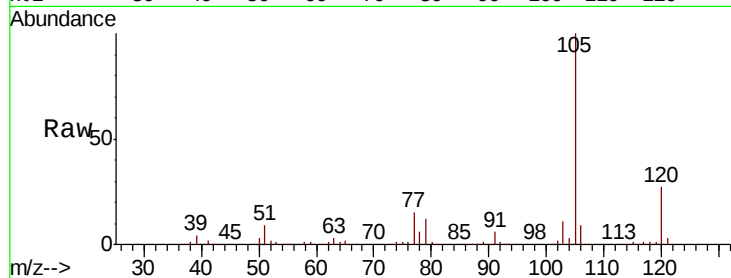
VSTDIC020

Tot Ion:105 Resp: 351582

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

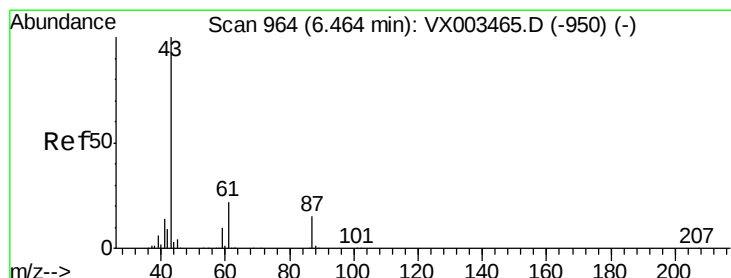
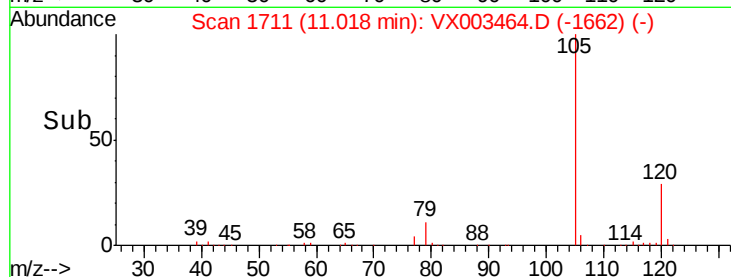
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.66 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion: 43 Resp: 145232

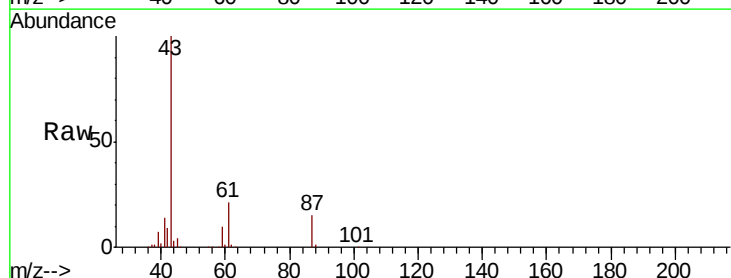
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.8 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

20000

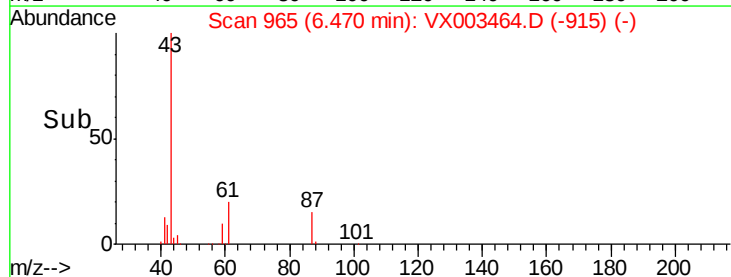
0

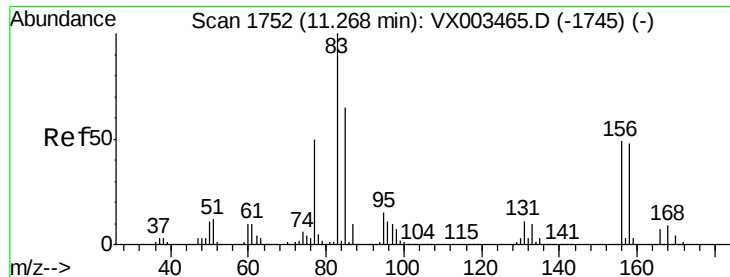
6.47

6.40

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.80 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

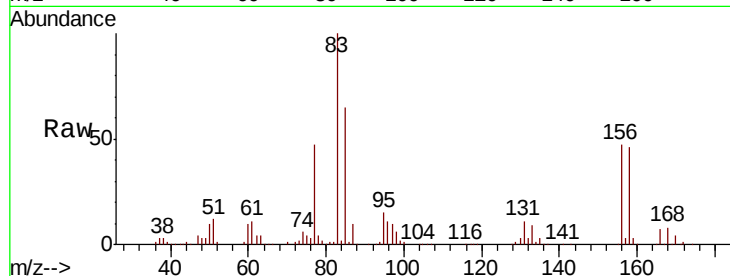
Tot Ion: 83 Resp: 100897

Ion Ratio Lower Upper

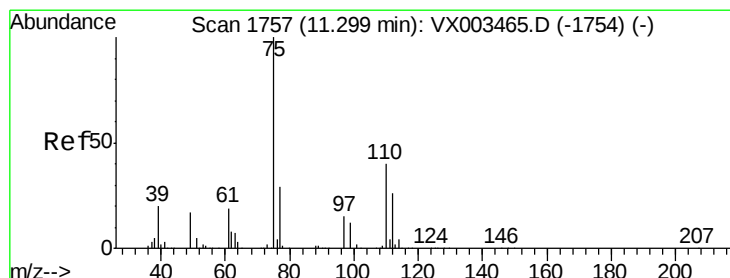
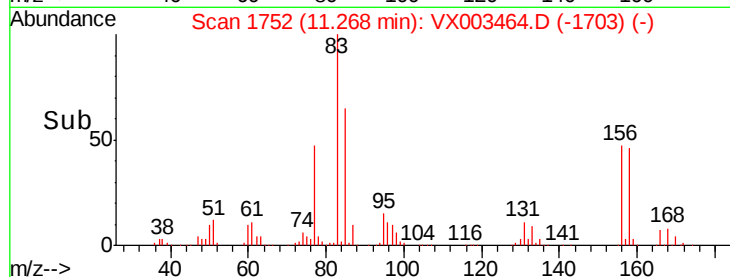
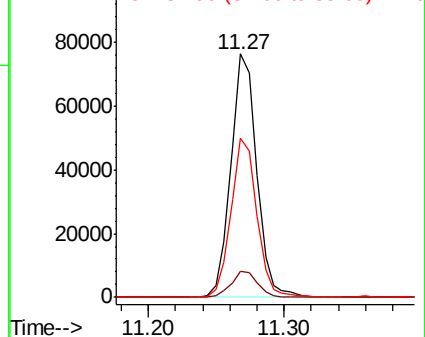
83 100

131 11.0 5.6 16.8

85 65.5 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: 25.94 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003464.D

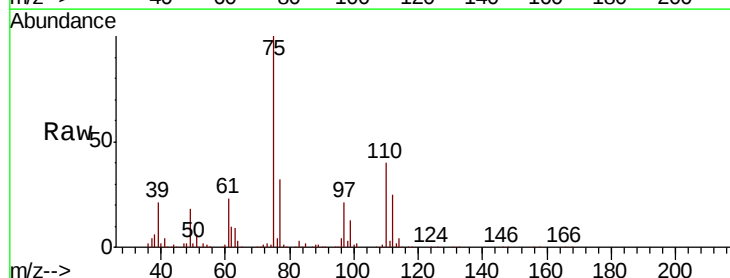
Acq: 19 Jul 2018 13:55

Tgt Ion: 75 Resp: 117203

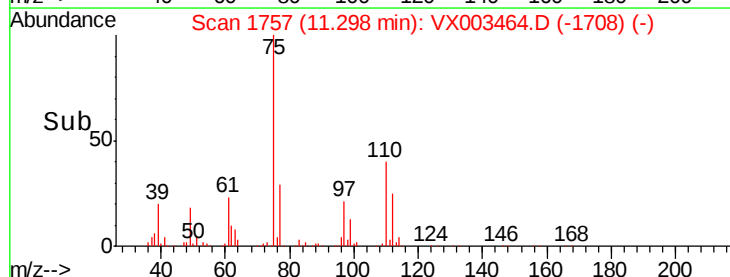
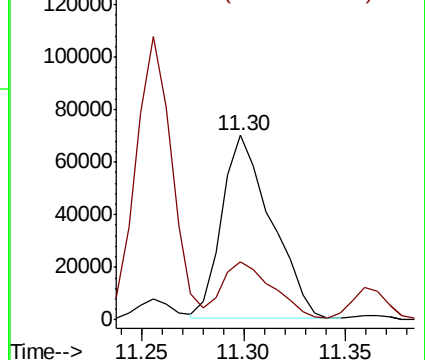
Ion Ratio Lower Upper

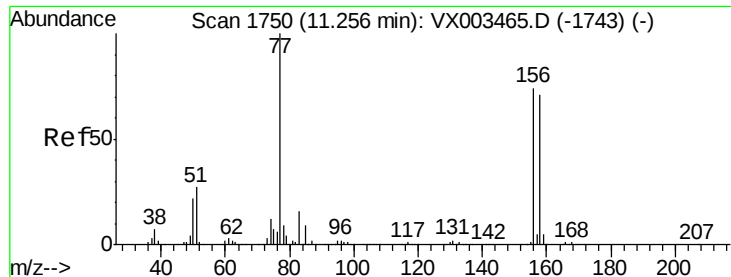
75 100

77 32.7 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: 19.87 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

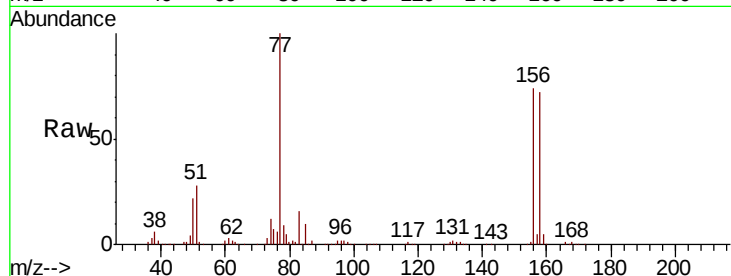
Tot Ion:156 Resp: 99390

Ion Ratio Lower Upper

156 100

77 133.6 71.4 214.2

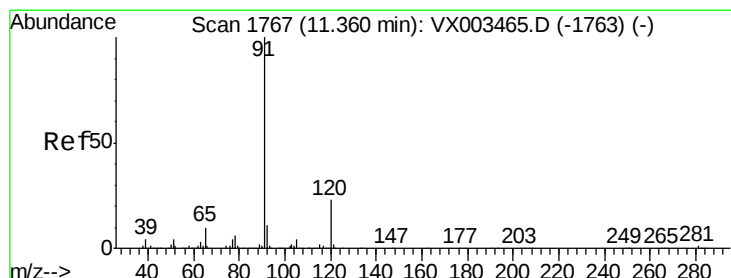
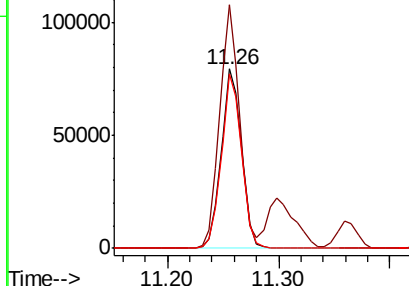
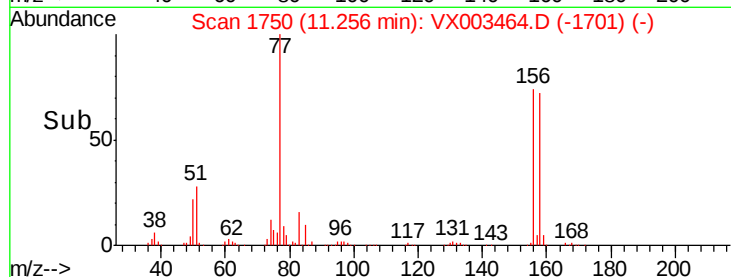
158 96.6 48.9 146.6



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: 20.34 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003464.D

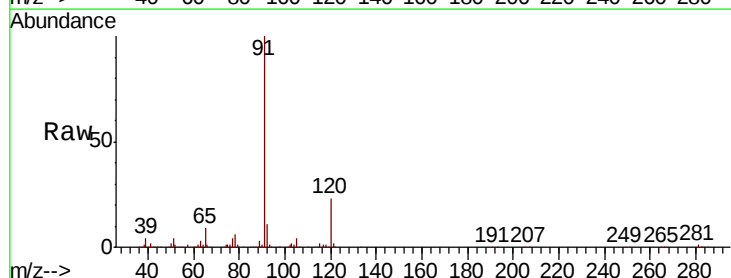
Acq: 19 Jul 2018 13:55

Tgt Ion: 91 Resp: 393352

Ion Ratio Lower Upper

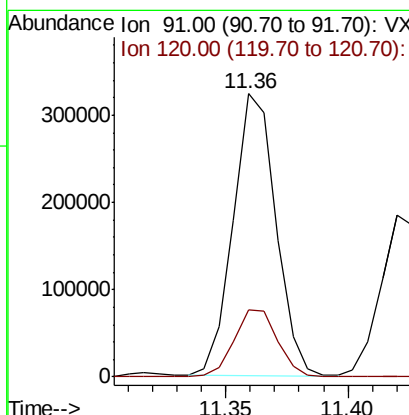
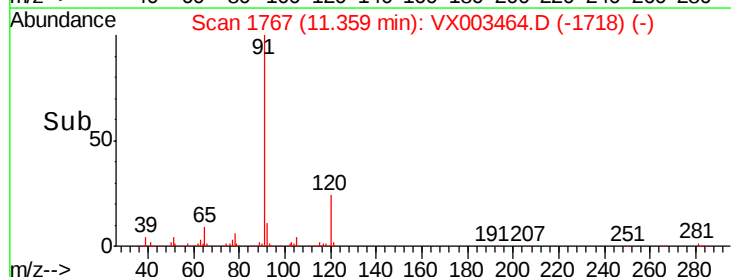
91 100

120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

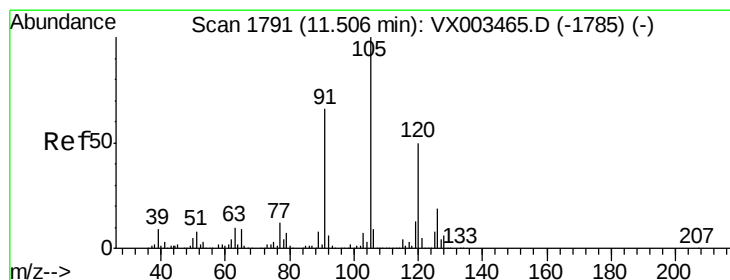
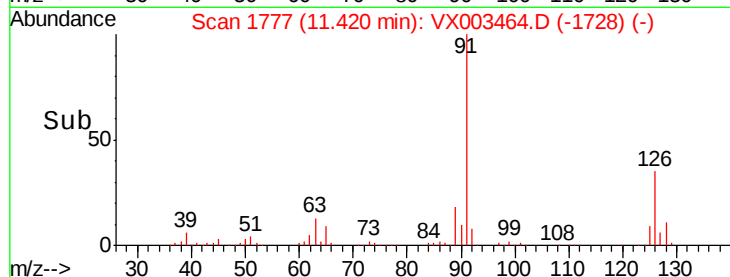
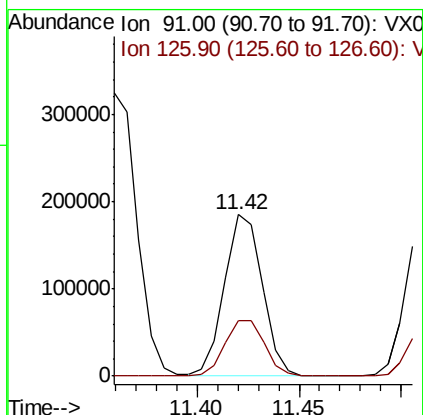
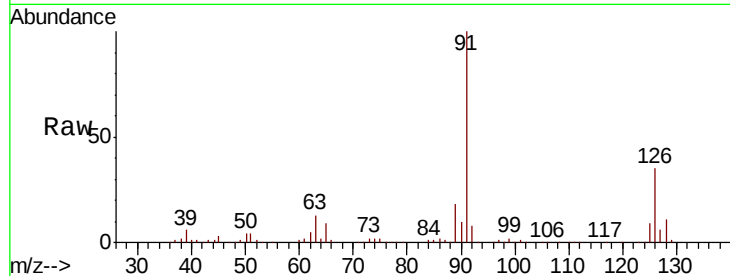




#79
 2-Chlorotoluene
 Concen: 20.15 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

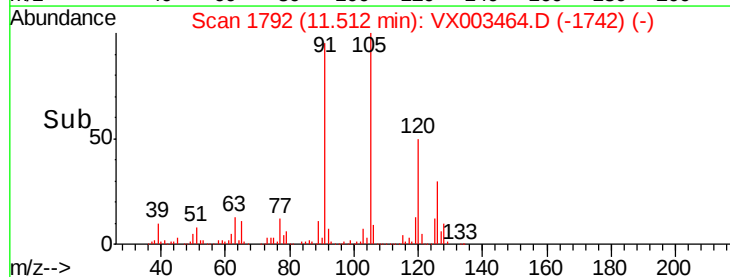
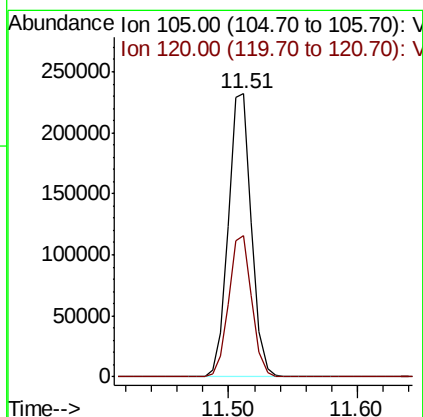
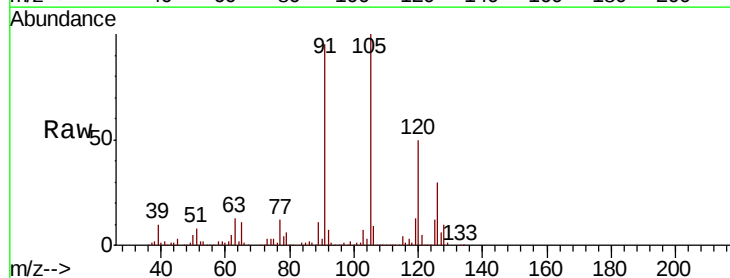
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

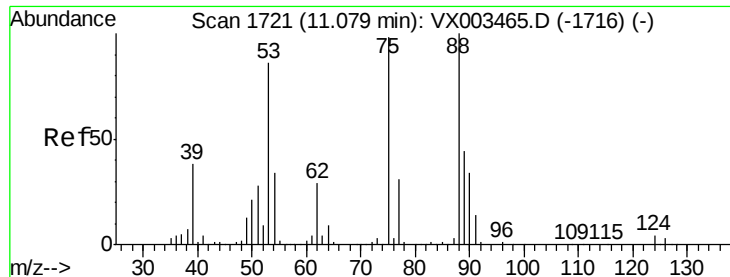
Tot Ion: 91 Resp: 236555
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 105 Resp: 292216
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.93 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

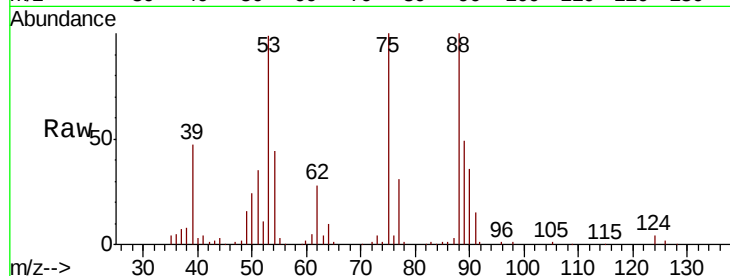
Tot Ion: 75 Resp: 27652

Ion Ratio Lower Upper

75 100

53 98.7 86.8 130.2

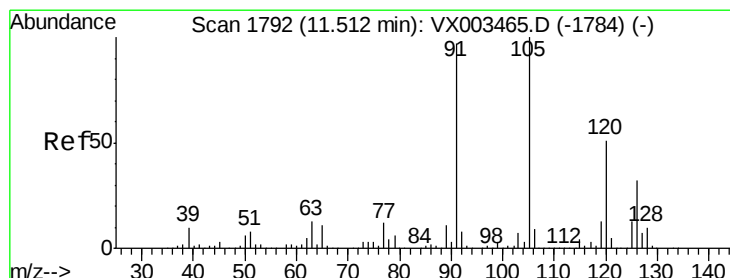
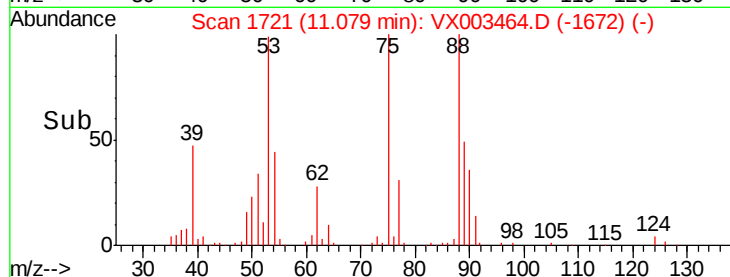
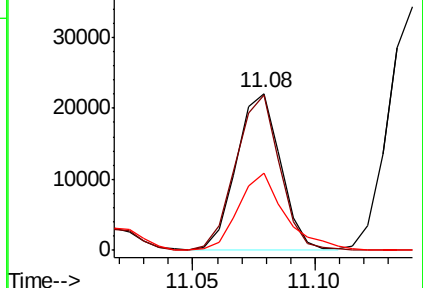
89 52.4 38.2 57.2



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: 19.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003464.D

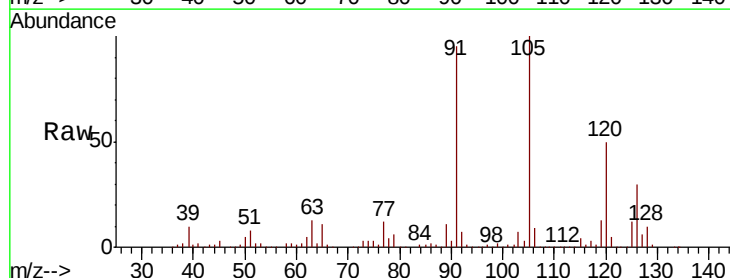
Acq: 19 Jul 2018 13:55

Tgt Ion: 91 Resp: 272621

Ion Ratio Lower Upper

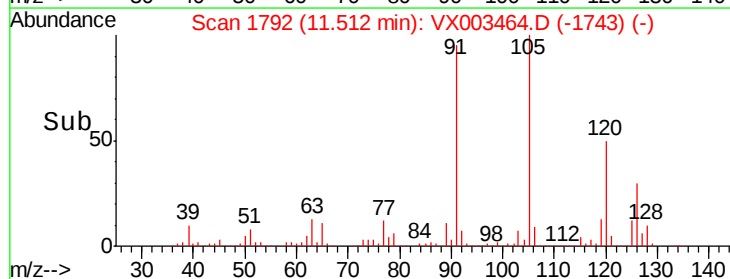
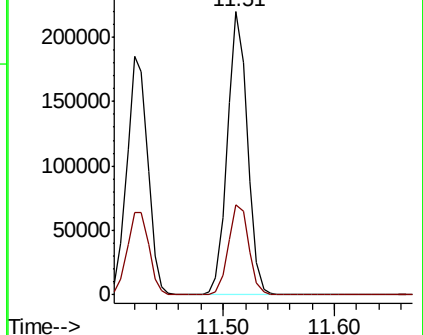
91 100

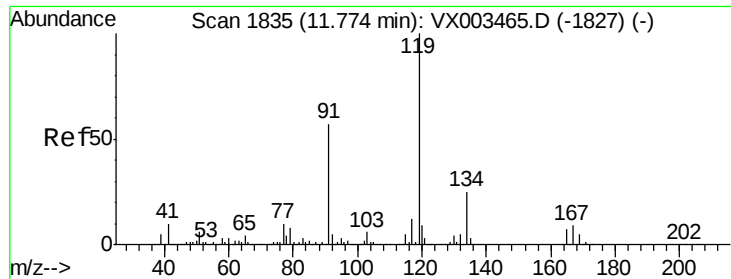
126 32.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

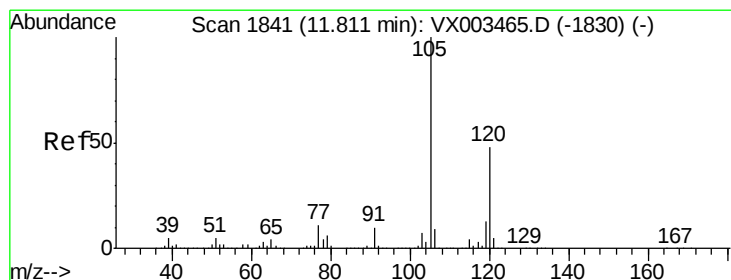
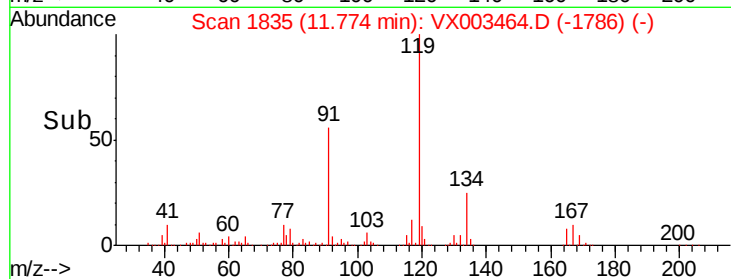
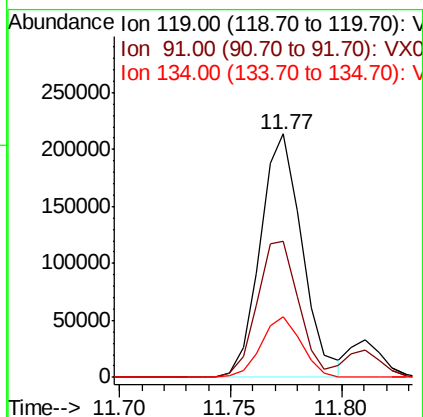
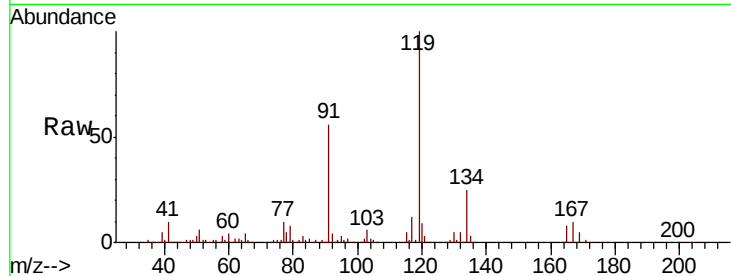




#83
tert-Butylbenzene
Concen: 20.05 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

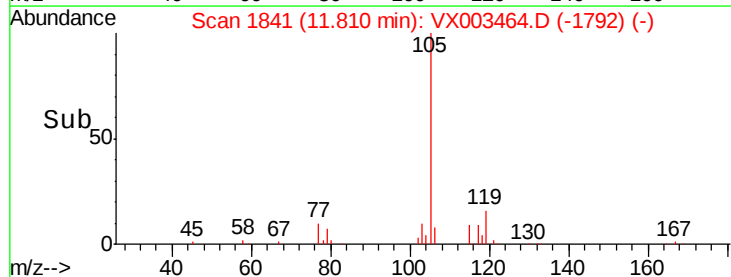
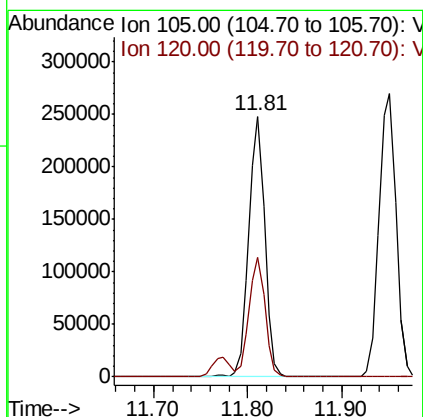
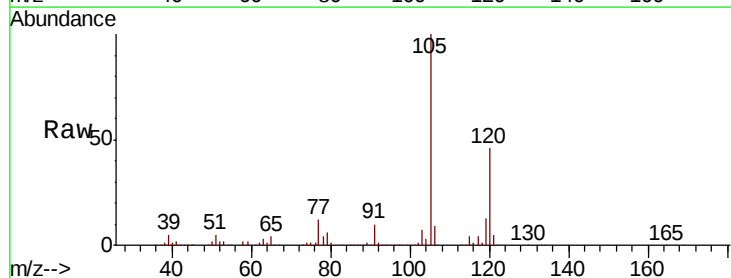
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

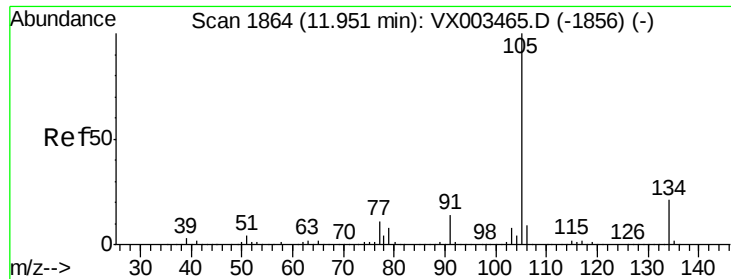
Tot Ion:119 Resp: 280666
Ion Ratio Lower Upper
119 100
91 55.4 30.3 90.9
134 23.8 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 20.48 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:105 Resp: 297877
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.06 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

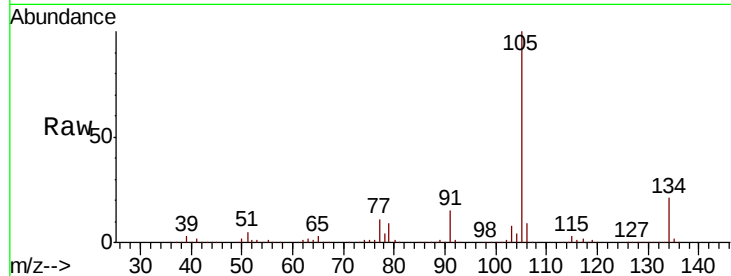
VSTDIC020

Tot Ion:105 Resp: 341130

Ion Ratio Lower Upper

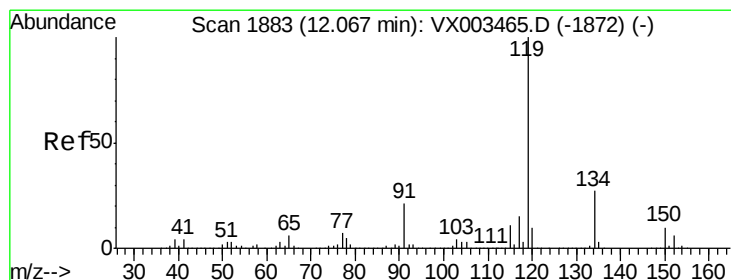
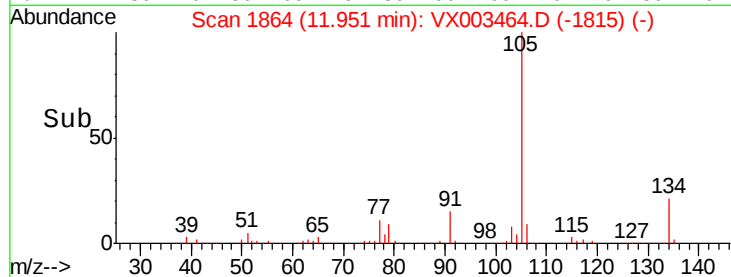
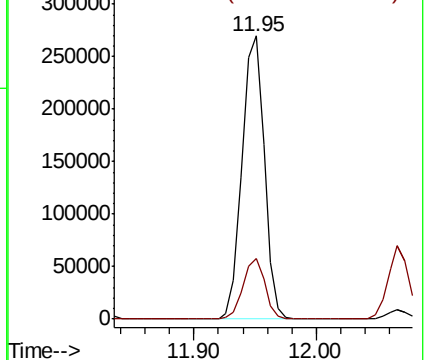
105 100

134 20.9 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: 20.19 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

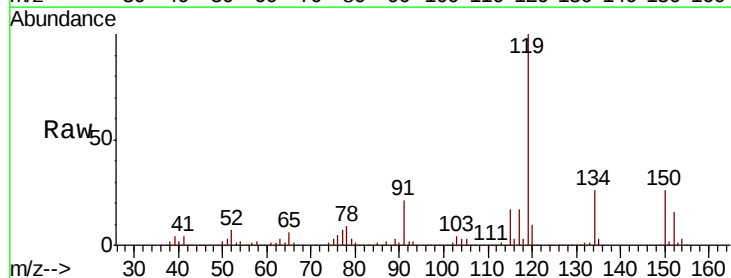
Tgt Ion:119 Resp: 308141

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

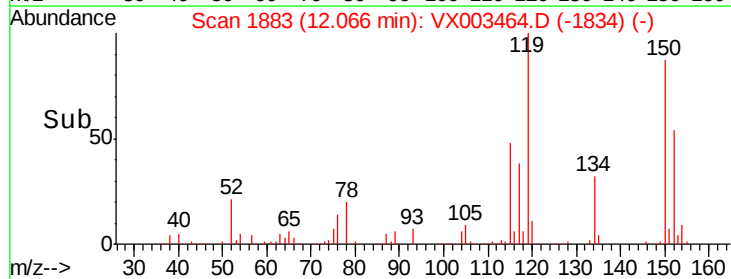
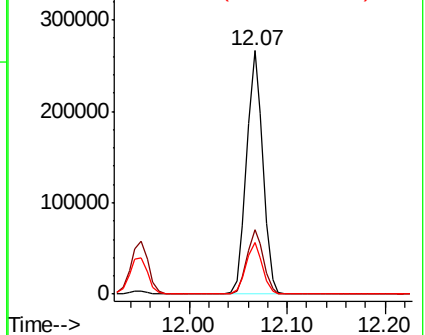
91 21.5 11.9 35.7

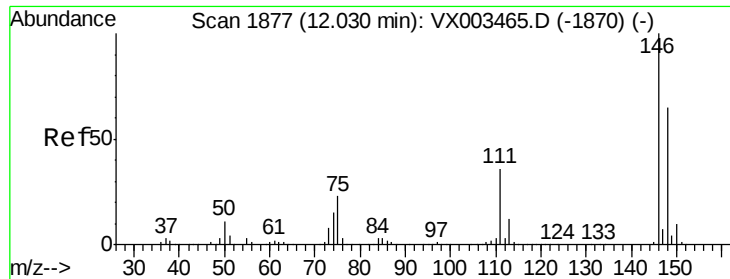


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

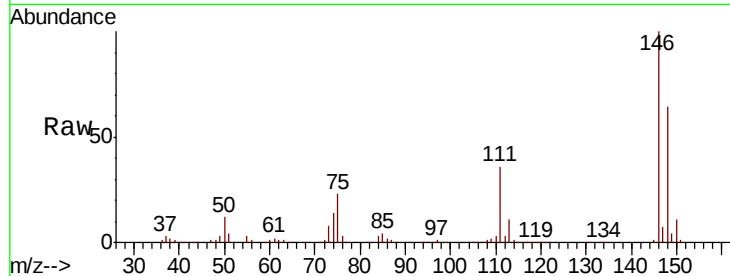




#87
 1,3-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.9	56.7
148	64.2	32.1	96.3

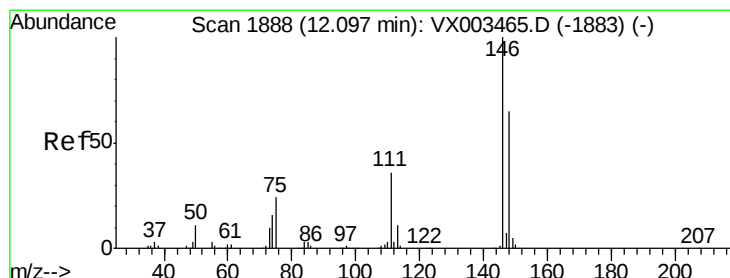
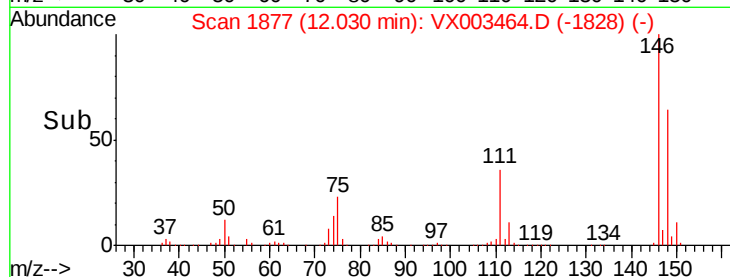
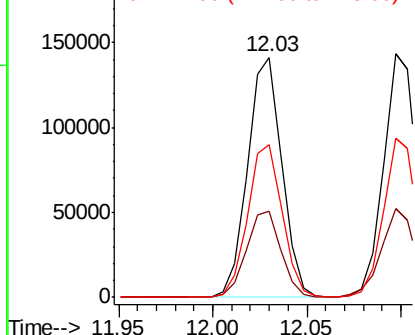


Abundance

Ion 145.90 (145.60 to 146.60): V

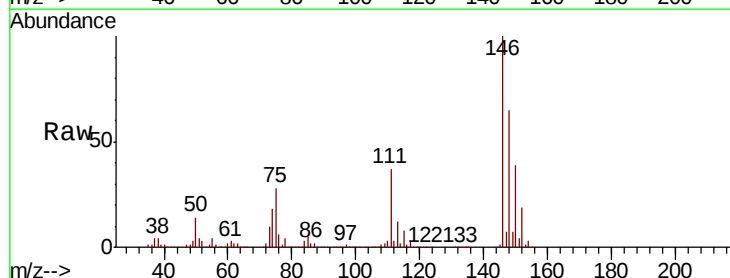
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 18.89 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	65.6	32.4	97.0

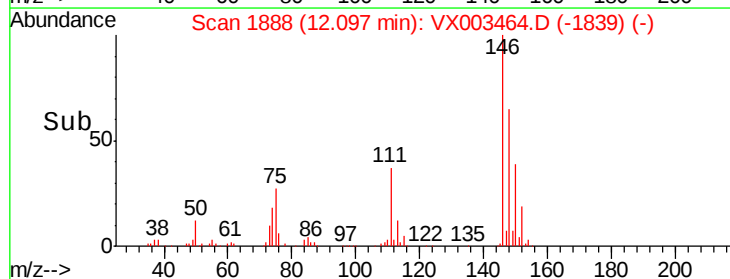
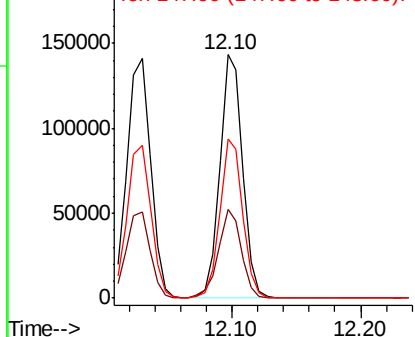


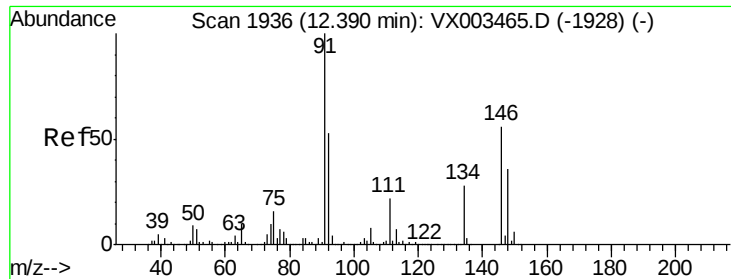
Abundance

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

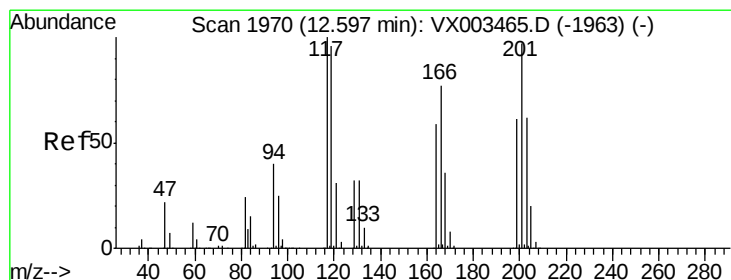
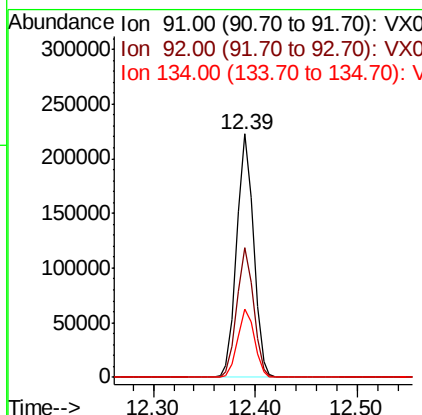
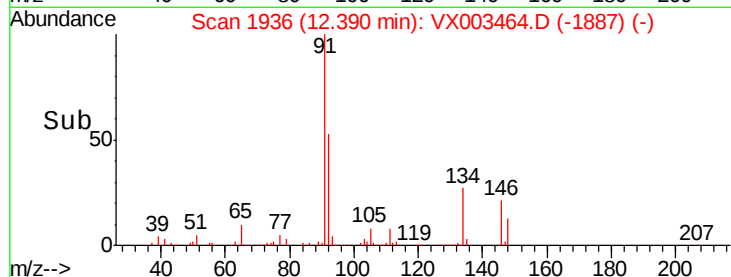
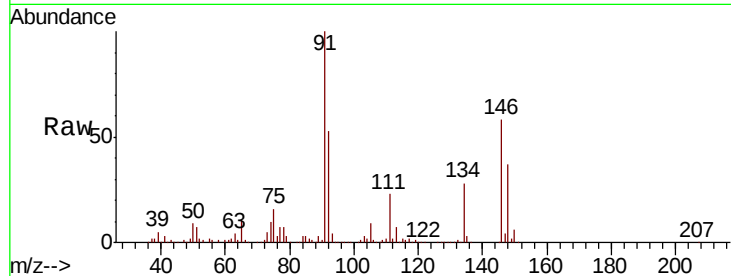




#89
n-Butylbenzene
Concen: 19.43 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

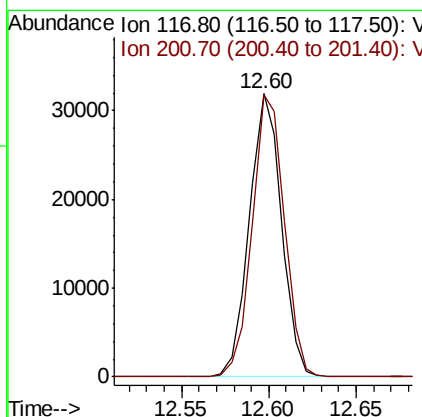
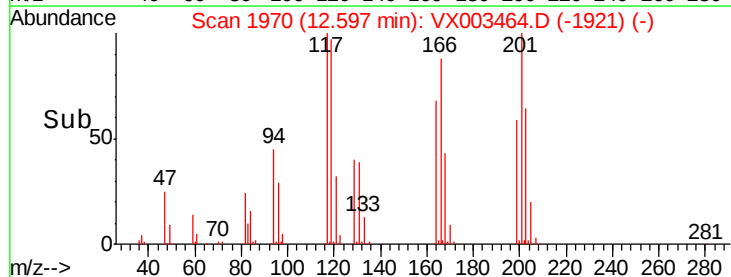
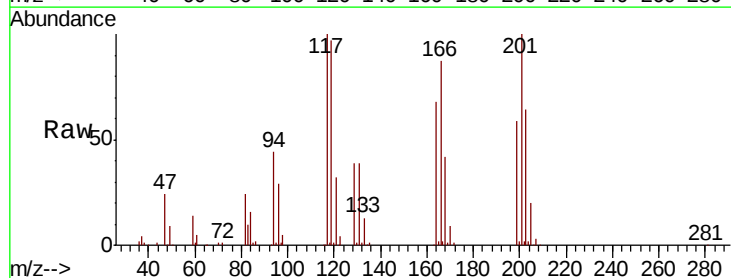
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

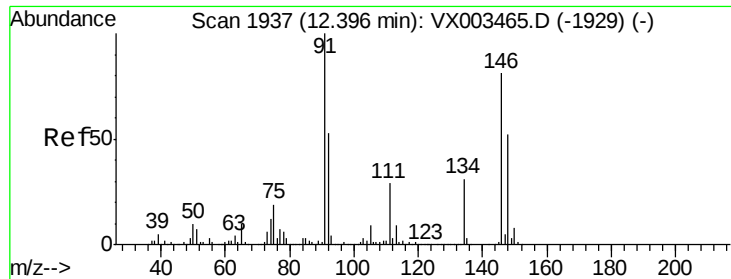
Tot Ion: 91 Resp: 251744
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 28.1 13.5 40.5



#90
Hexachloroethane
Concen: 18.77 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 117 Resp: 40722
Ion Ratio Lower Upper
117 100
201 99.3 49.0 147.0

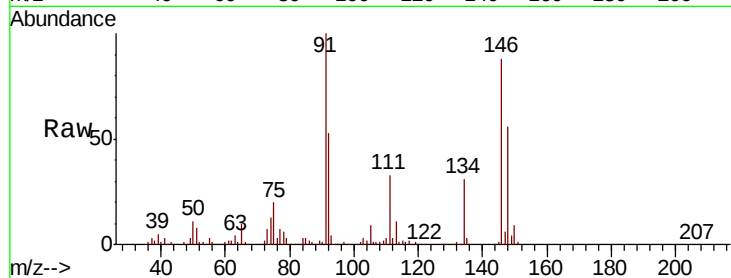




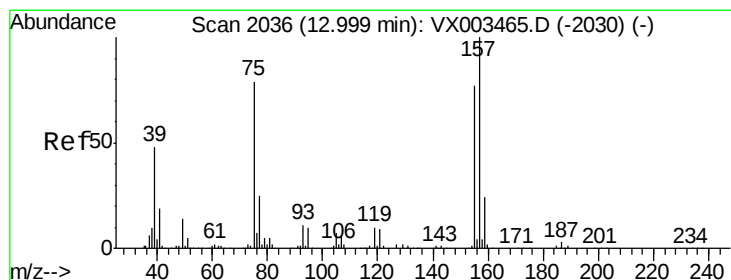
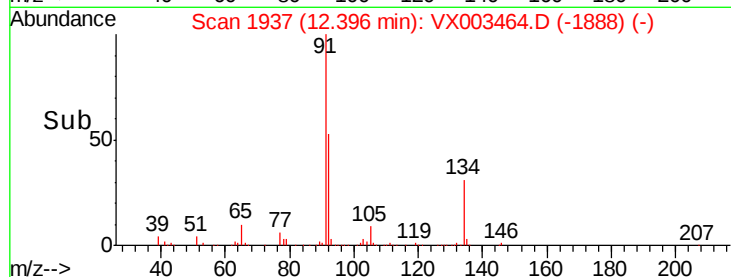
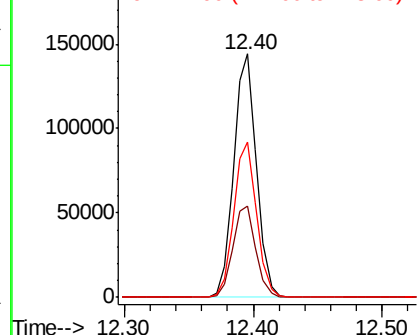
#91
 1,2-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 178366
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.1
 148 64.0 31.7 95.1

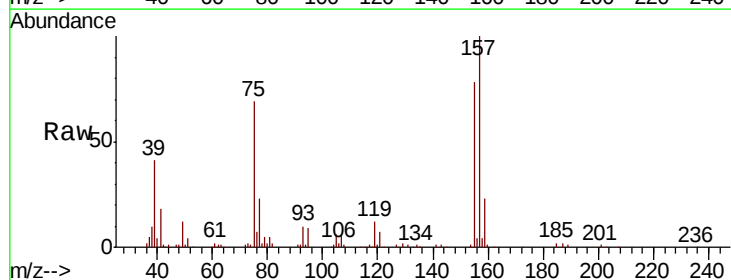


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

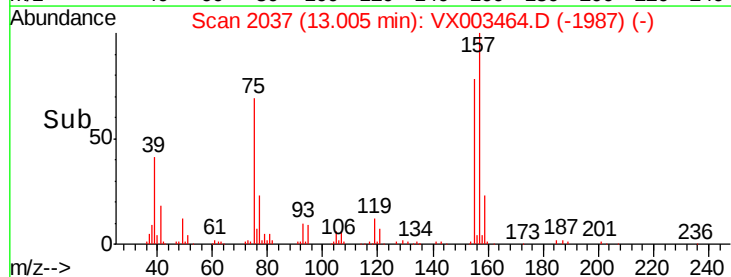
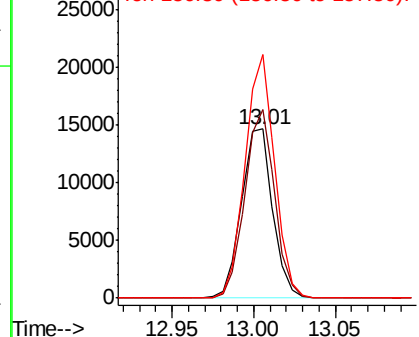


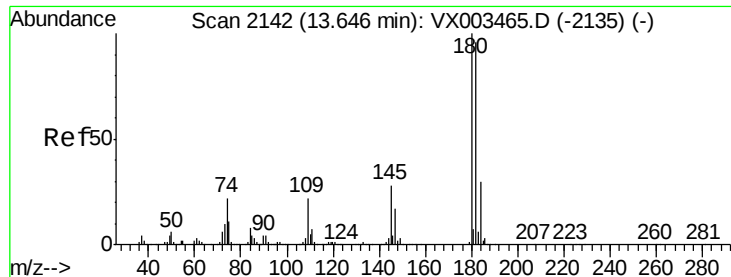
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.79 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 75 Resp: 19628
 Ion Ratio Lower Upper
 75 100
 155 105.9 45.8 137.4
 157 135.8 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

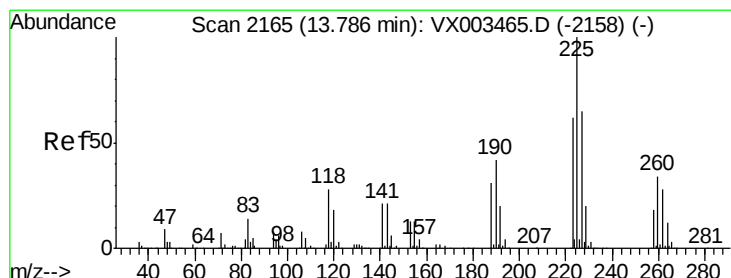
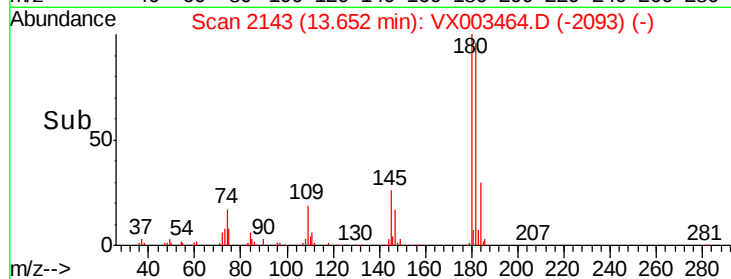
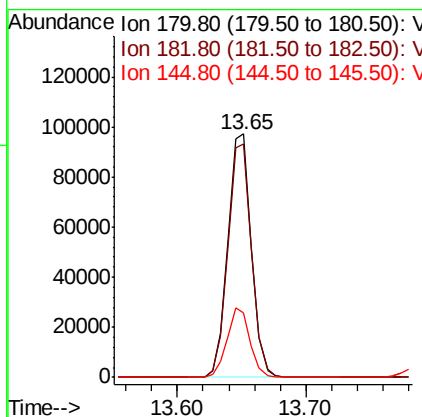
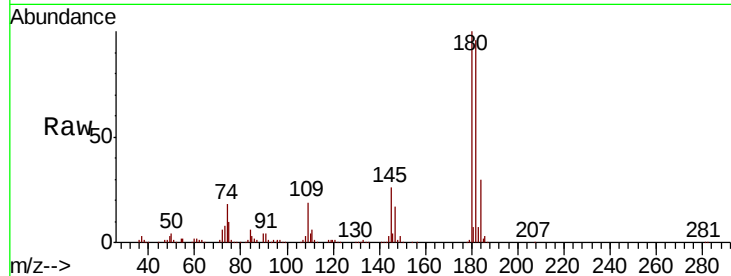




#93
 1,2,4-Trichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

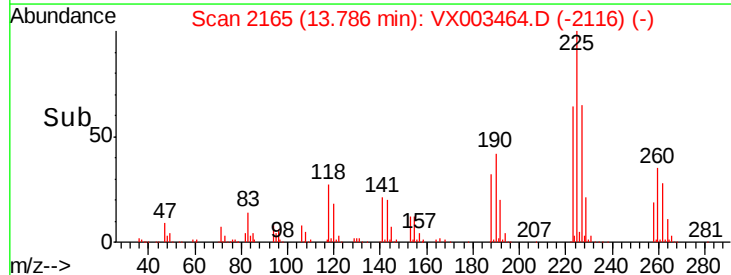
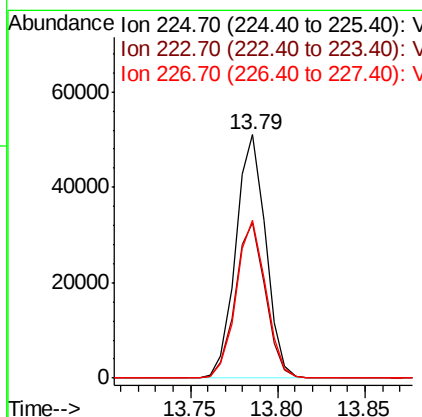
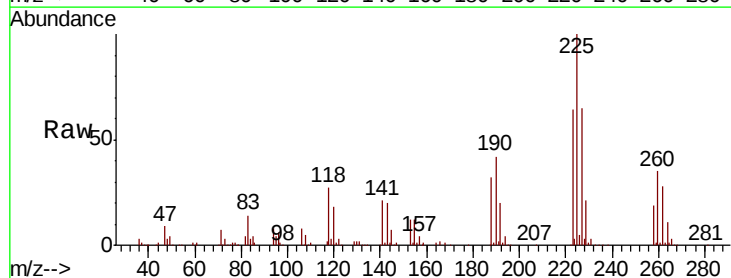
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

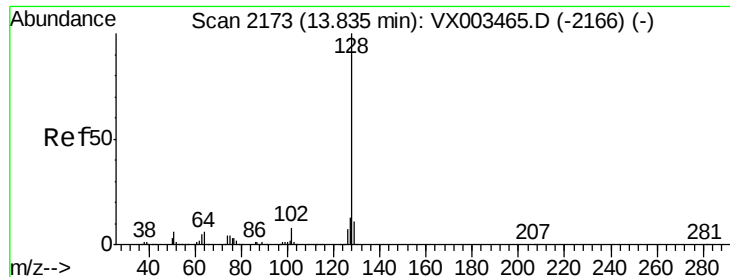
Tot Ion:180 Resp: 124524
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.7 143.1
 145 27.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion:225 Resp: 60576
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.6 95.0
 227 64.6 32.4 97.2





#95

Naphthalene

Concen: 20.05 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

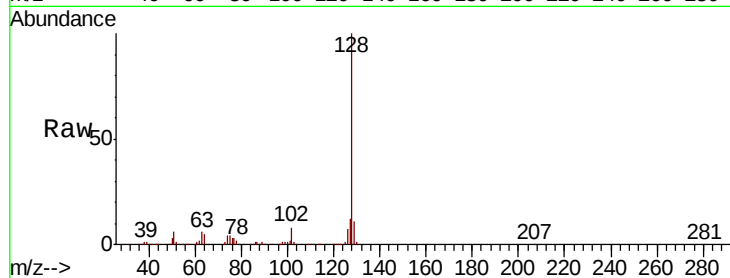
Tot Ion:128 Resp: 349960

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

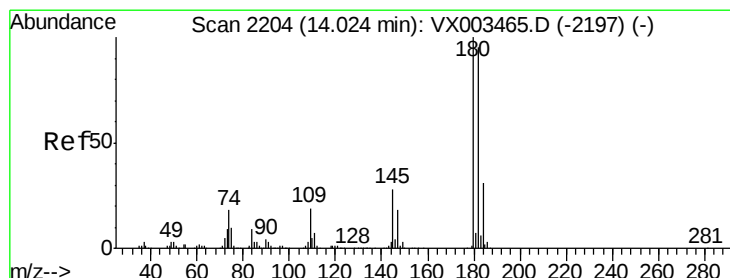
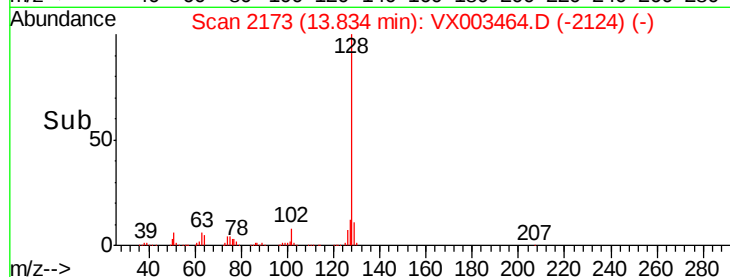
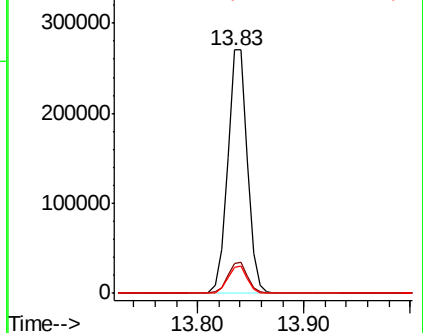
129 10.9 8.6 13.0



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: 19.49 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

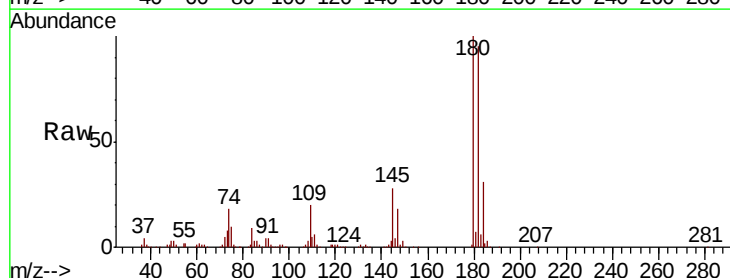
Tgt Ion:180 Resp: 128158

Ion Ratio Lower Upper

180 100

182 95.5 48.0 144.0

145 29.0 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

