

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
 Data File : VX000107.D
 Acq On : 20 Feb 2018 14:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Feb 21 05:40:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	17597	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	106053	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	104194	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	40053	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	11.15	95	51513	30.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.27%
63) Toluene-d8	8.73	98	132558	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53482	50.12	ug/l	97
3) Chloromethane	1.33	50	51574	46.58	ug/l	97
4) Vinyl Chloride	1.40	62	62645	48.19	ug/l	98
5) Bromomethane	1.64	94	56893	48.55	ug/l	98
6) Chloroethane	1.72	64	39223	47.93	ug/l	94
7) Trichlorofluoromethane	1.93	101	108131	48.68	ug/l	99
8) Diethyl Ether	2.20	74	37544	46.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59592	48.51	ug/l	100
10) 1,1-Dichloroethene	2.38	96	56364	47.80	ug/l	95
11) Methyl Iodide	2.51	142	63286	66.80	ug/l	94
12) Methyl Acetate	2.79	43	103235	49.12	ug/l	99
13) Acrolein	2.30	56	56727	236.46	ug/l	100
14) Acrylonitrile	3.16	53	223422	244.77	ug/l	98
15) Acetone	2.45	58	73554	236.39	ug/l	98
16) Carbon Disulfide	2.57	76	160876	48.49	ug/l	100
17) Allyl chloride	2.73	41	98012	49.48	ug/l	97
18) Methylene Chloride	2.86	84	59809	47.58	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	60730	47.96	ug/l	97
20) Diisopropyl ether	3.89	45	153882	50.85	ug/l	97
21) 1,1-Dichloroethane	3.70	63	100611	46.74	ug/l	98
22) cis-1,2-Dichloroethene	4.61	96	57732	49.04	ug/l	98
23) tert-Butyl Alcohol	3.09	59	130330	245.47	ug/l #	100
24) Methyl tert-Butyl Ether	3.22	73	196335	48.72	ug/l	99
25) Chloroform	5.23	83	103188	50.62	ug/l	100
26) Cyclohexane	5.58	56	81461	50.74	ug/l #	100
29) 1,1-Dichloropropene	5.81	75	75779	49.57	ug/l	99
30) 2-Butanone	4.73	43	296506	242.78	ug/l	100
31) 2,2-Dichloropropane	4.59	77	81434	49.40	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	94260	50.69	ug/l	99
33) Carbon Tetrachloride	5.79	117	84914	51.71	ug/l	93
34) Benzene	6.15	78	220850	49.44	ug/l #	92
35) Methacrylonitrile	5.07	41	52642	48.35	ug/l	90
36) 1,2-Dichloroethane	6.21	62	81866	48.56	ug/l	99
37) Trichloroethene	7.22	130	64274	48.41	ug/l	96
38) Methylcyclohexane	7.47	83	91966	51.07	ug/l	99
39) 1,2-Dichloropropane	7.53	63	54756	48.51	ug/l	100
40) Dibromomethane	7.67	93	42862	50.52	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	81686	49.92	ug/l	98
42) Vinyl Acetate	3.84	43	726659	247.46	ug/l	99
43) Ethyl Acetate	4.88	43	102578	48.06	ug/l	99
44) Isopropyl Acetate	6.48	43	153755	50.44	ug/l	99
45) 1,4-Dioxane	7.77	88	40412	1070.71	ug/l	96
46) Methyl methacrylate	7.79	41	74836	50.29	ug/l	98
47) n-amyl Acetate	10.91	43	139125	53.11	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	94952	49.42	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	94490	50.91	ug/l	98
50) 1,1,2-Trichloroethane	9.23	97	63506	51.89	ug/l	98
51) Ethyl methacrylate	9.20	69	97801	52.45	ug/l	98
52) 1,3-Dichloropropane	9.38	76	101026	49.66	ug/l	99
53) Dibromochloromethane	9.59	129	75598	54.51	ug/l	99
54) 1,2-Dibromoethane	9.68	107	71295	51.12	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	160080	168.38	ug/l	100
56) Bromoform	10.87	173	62872	57.08	ug/l	98
58) 4-Methyl-2-Pentanone	8.67	43	565108	240.73	ug/l	98
59) 2-Hexanone	9.51	43	486825	243.53	ug/l	99
61) Tetrachloroethene	9.34	164	63717	50.29	ug/l	99
62) Toluene	8.79	91	269944	49.29	ug/l	100
64) Chlorobenzene	10.15	112	180067	49.30	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	67603	51.92	ug/l	98
66) Ethyl Benzene	10.26	91	307262	48.85	ug/l	99
67) m/p-Xylenes	10.37	106	246859	102.31	ug/l	97
68) o-Xylene	10.71	106	119800	50.30	ug/l	99
69) Styrene	10.72	104	198958	50.56	ug/l	99
70) Isopropylbenzene	11.02	105	321962	50.08	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	109373	49.32	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	136958	67.23	ug/l	85
73) Bromobenzene	11.26	156	87178	52.47	ug/l	96
74) n-propylbenzene	11.37	91	375623	49.87	ug/l	99
75) 2-Chlorotoluene	11.43	91	215930	49.07	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	274596	50.55	ug/l	68
77) t-1,4-Dichloro-2-butene	11.09	75	37595	52.88	ug/l	94
78) 4-Chlorotoluene	11.52	91	258972	49.92	ug/l	98
79) tert-butylbenzene	12.07	119	306476	56.15	ug/l	94
80) 1,2,4-Trimethylbenzene	11.82	105	281577	50.04	ug/l	100
81) sec-Butylbenzene	11.96	105	338171	50.06	ug/l	100
82) p-Isopropyltoluene	12.07	119	306476	50.74	ug/l	100
83) 1,3-Dichlorobenzene	12.04	146	163168	51.06	ug/l	98
84) 1,4-Dichlorobenzene	12.11	146	169034	51.38	ug/l	99
85) n-Butylbenzene	12.40	91	279113	49.43	ug/l	98
86) Hexachloroethane	12.60	117	52559	53.13	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	161988	50.52	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	31521	51.10	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	120833	52.63	ug/l	100
90) Hexachlorobutadiene	13.79	225	52398	54.80	ug/l	97
91) Naphthalene	13.84	128	415668	50.50	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	121306	51.90	ug/l	99

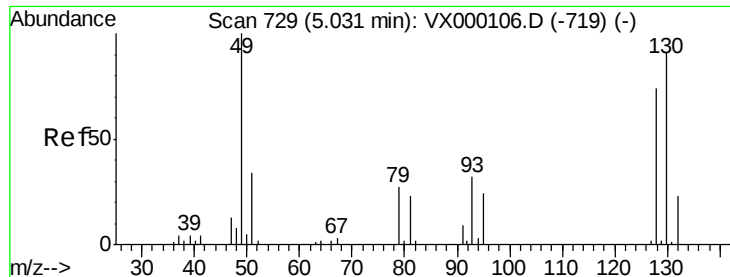
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

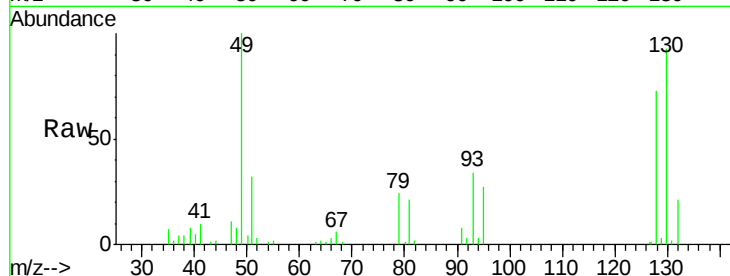
Tgt Ion:128 Resp: 17597

Ion Ratio Lower Upper

128 100

49 145.0 0.0 378.3

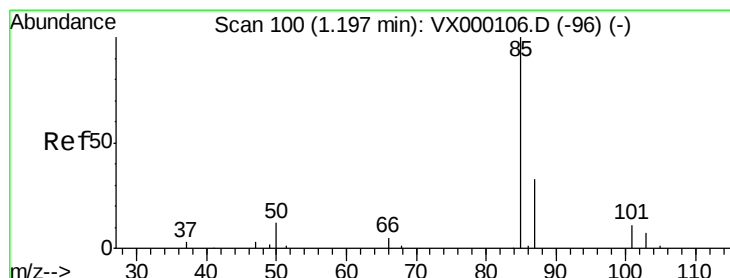
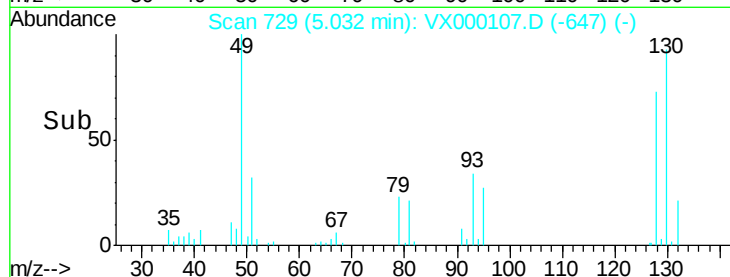
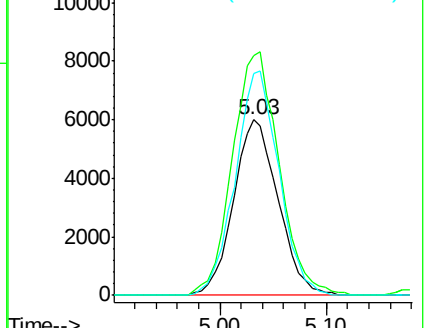
130 125.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 50.12 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000107.D

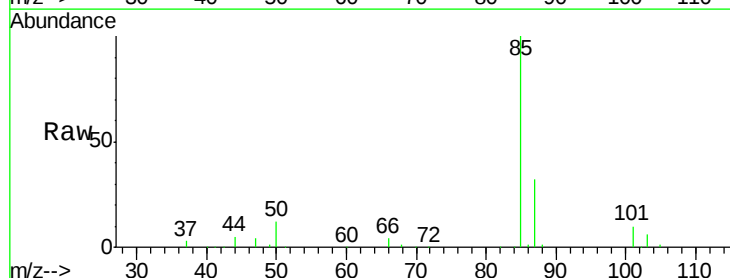
Acq: 20 Feb 2018 14:17

Tgt Ion: 85 Resp: 53482

Ion Ratio Lower Upper

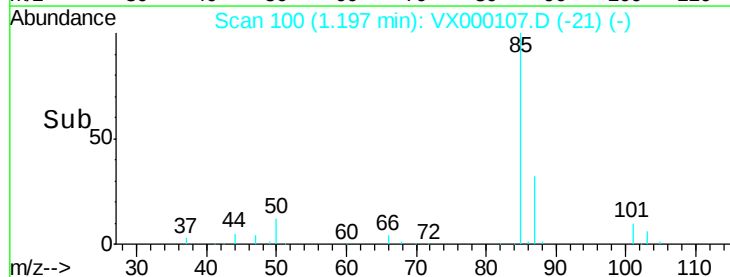
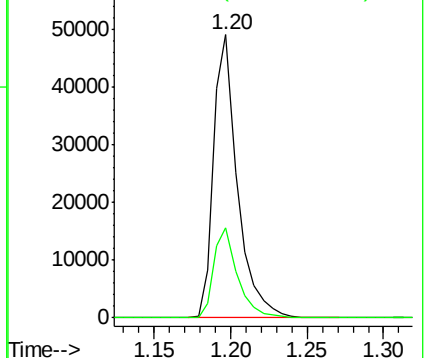
85 100

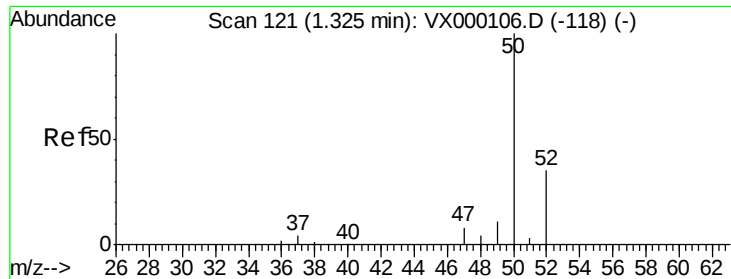
87 31.6 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 46.58 ug/l

RT: 1.33 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

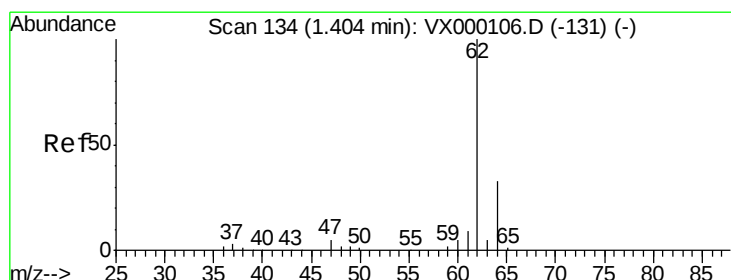
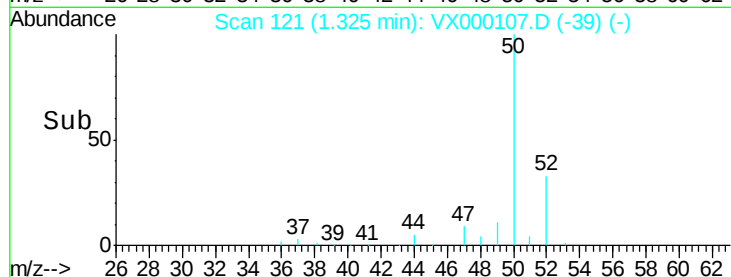
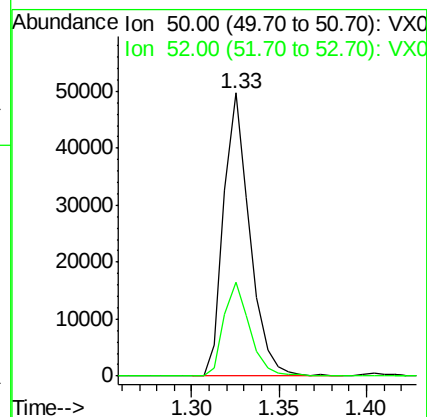
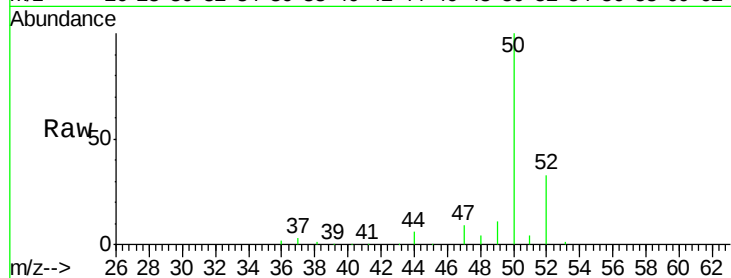
VSTDIC050

Tgt Ion: 50 Resp: 51574

Ion Ratio Lower Upper

50 100

52 33.1 27.8 41.6



#4

Vinyl Chloride

Concen: 48.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000107.D

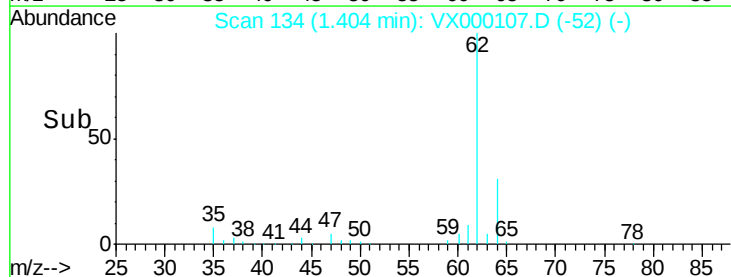
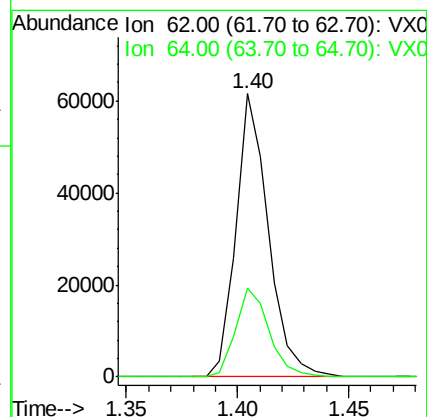
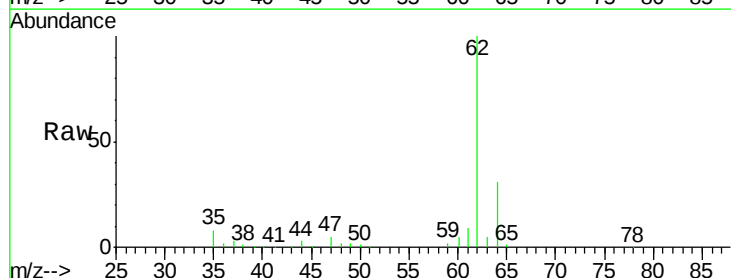
Acq: 20 Feb 2018 14:17

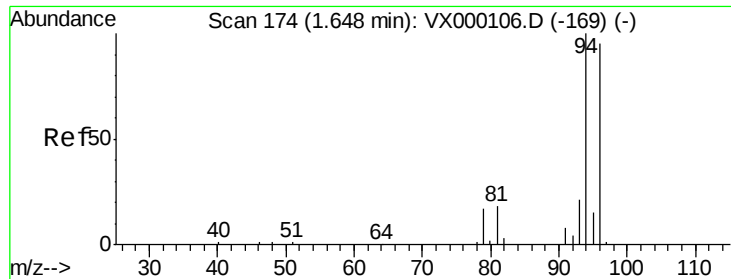
Tgt Ion: 62 Resp: 62645

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0





#5

Bromomethane

Concen: 48.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

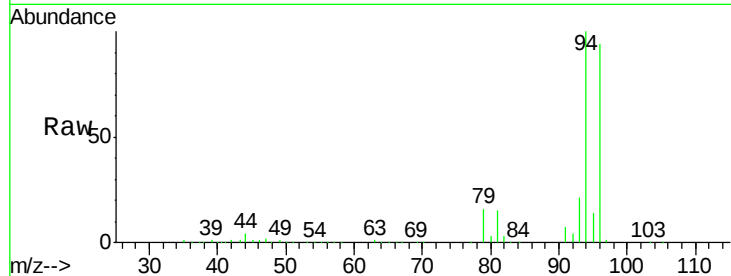
VSTDIC050

Tgt Ion: 94 Resp: 56893

Ion Ratio Lower Upper

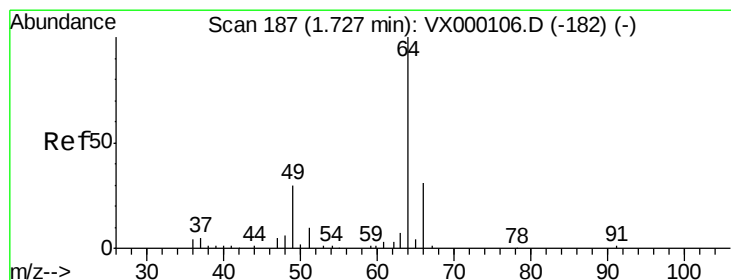
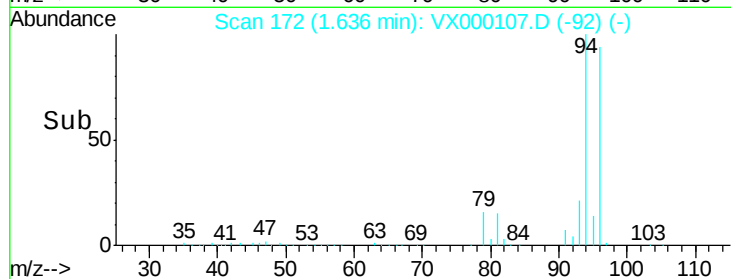
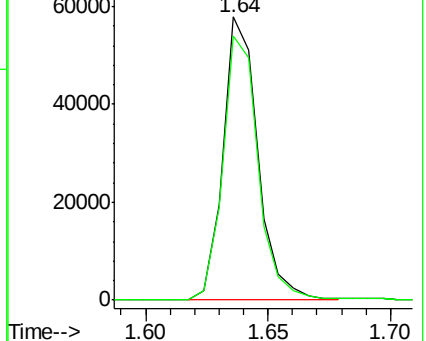
94 100

96 93.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 47.93 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000107.D

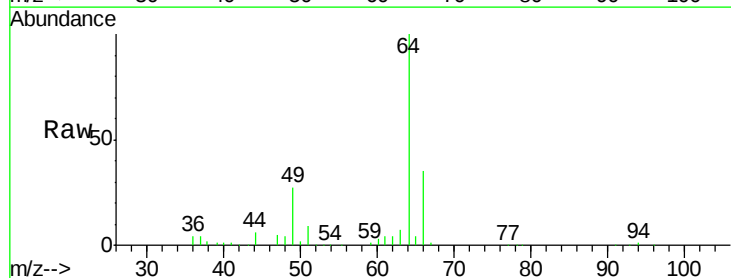
Acq: 20 Feb 2018 14:17

Tgt Ion: 64 Resp: 39223

Ion Ratio Lower Upper

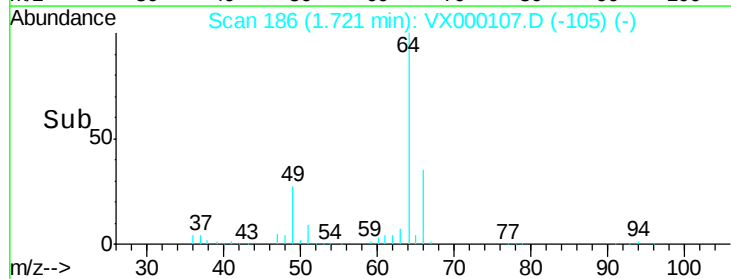
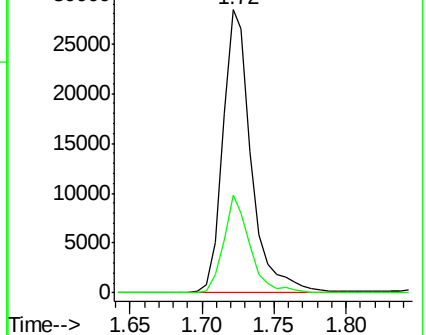
64 100

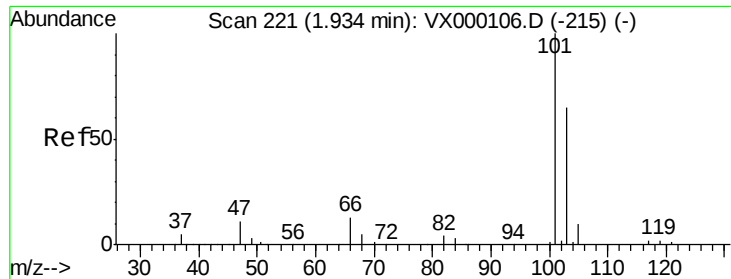
66 34.8 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



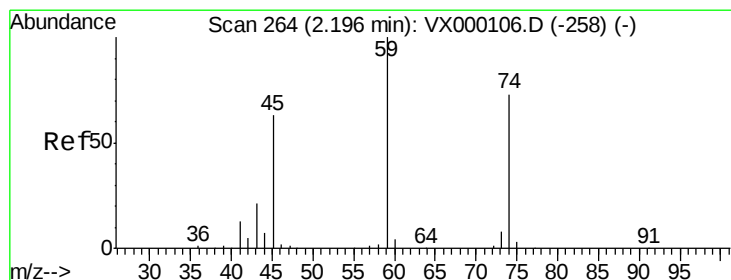
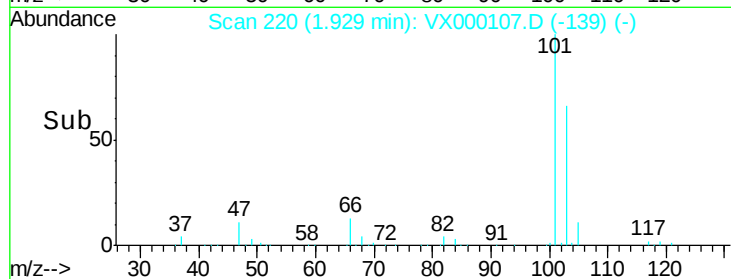
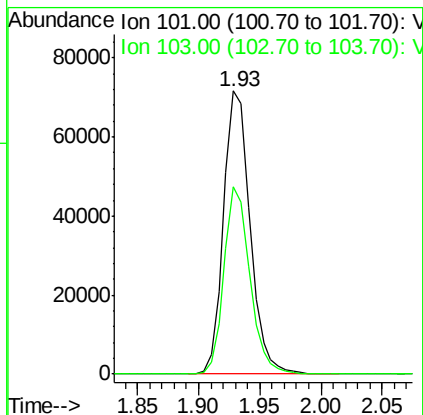
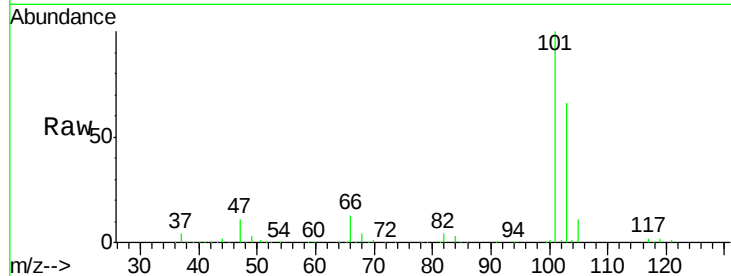


#7

Trichlorofluoromethane
 Concen: 48.68 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

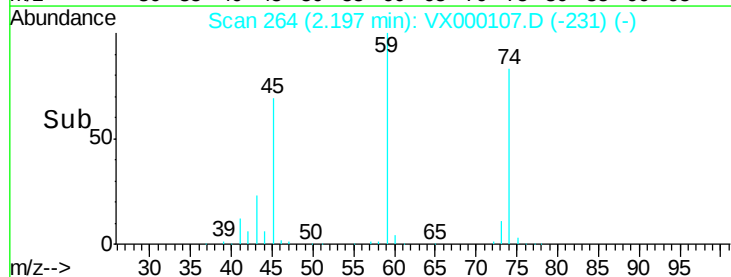
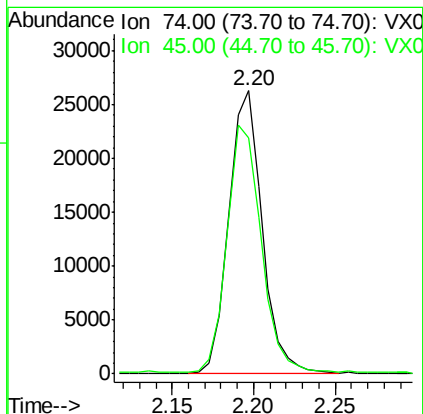
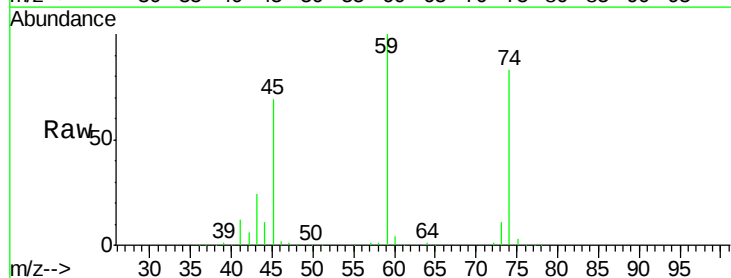
Tgt Ion: 101 Resp: 108131
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.2 78.4

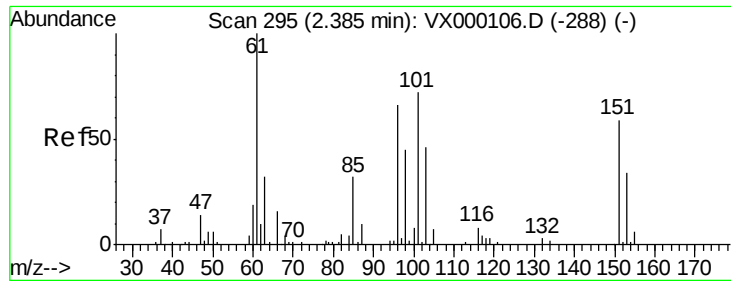


#8

Diethyl Ether
 Concen: 46.21 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 74 Resp: 37544
 Ion Ratio Lower Upper
 74 100
 45 90.7 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.51 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

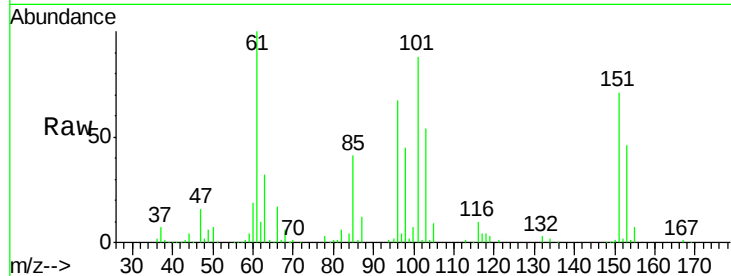
Tgt Ion:101 Resp: 59592

Ion Ratio Lower Upper

101 100

85 45.0 0.0 90.4

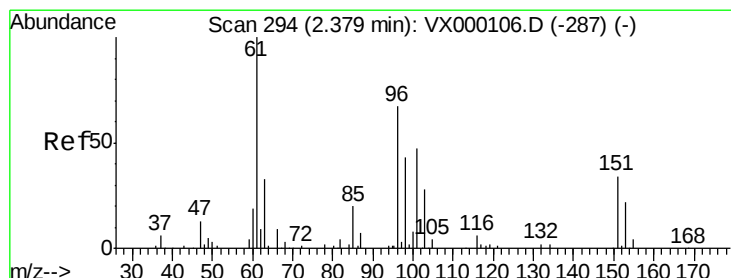
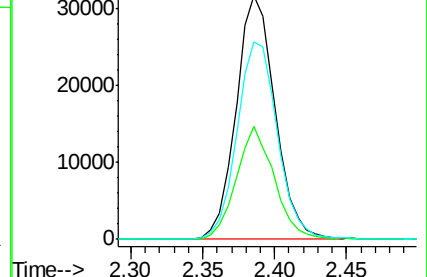
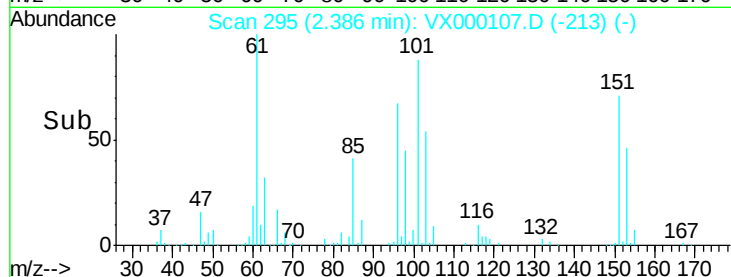
151 84.0 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 47.80 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

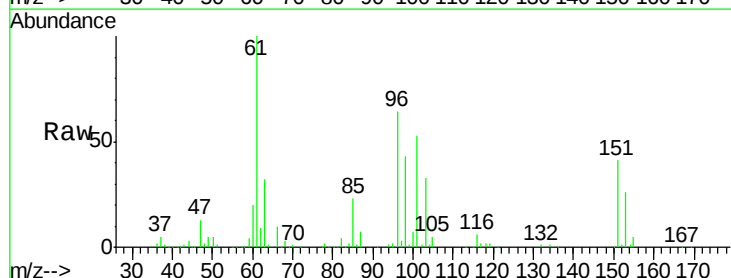
Tgt Ion: 96 Resp: 56364

Ion Ratio Lower Upper

96 100

61 155.6 118.6 178.0

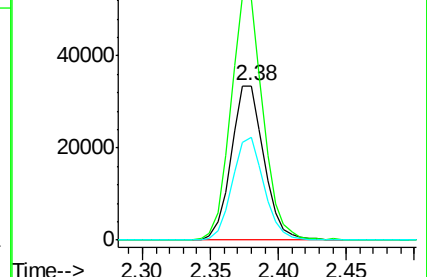
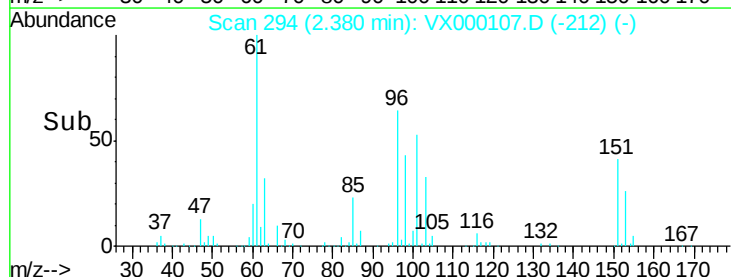
98 66.3 51.0 76.6

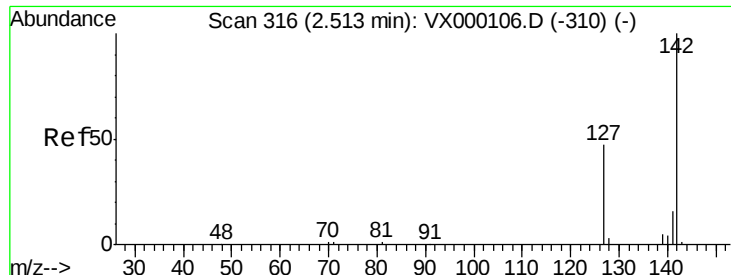


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

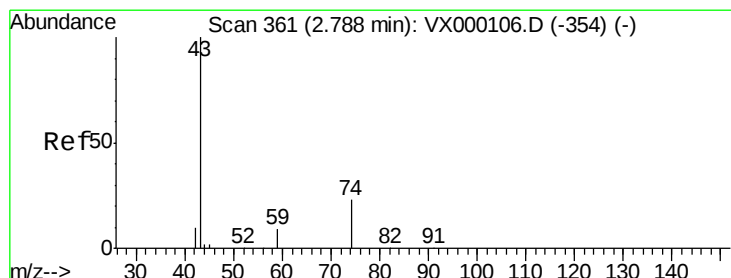
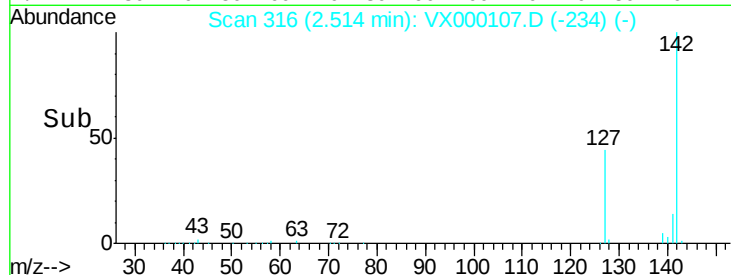
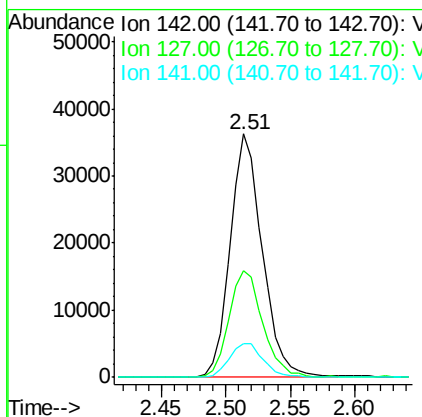
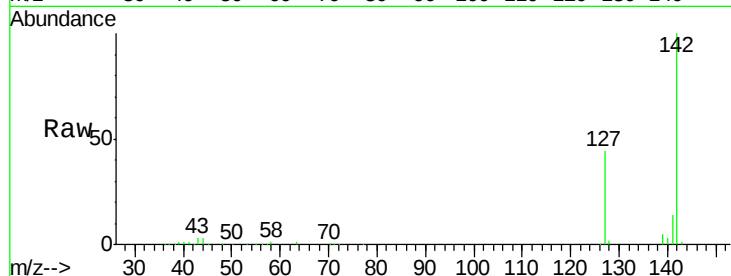




#11
Methyl Iodide
Concen: 66.80 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

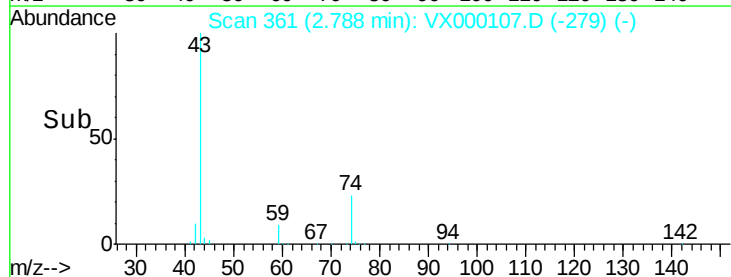
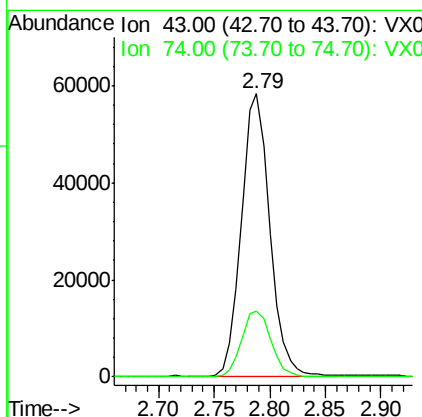
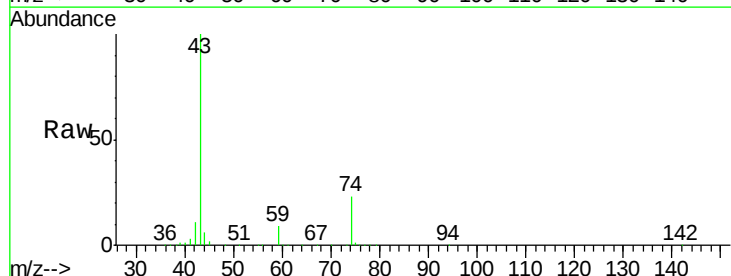
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

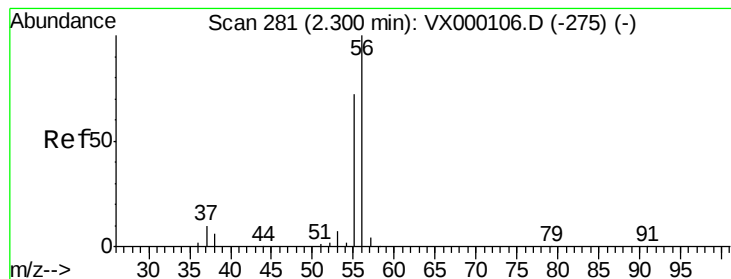
Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.5	23.8	71.5
141	13.8	8.2	24.4



#12
Methyl Acetate
Concen: 49.12 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.6	27.8





#13

Acrolein

Concen: 236.46 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

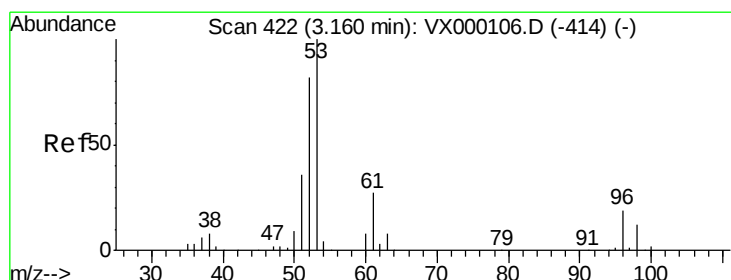
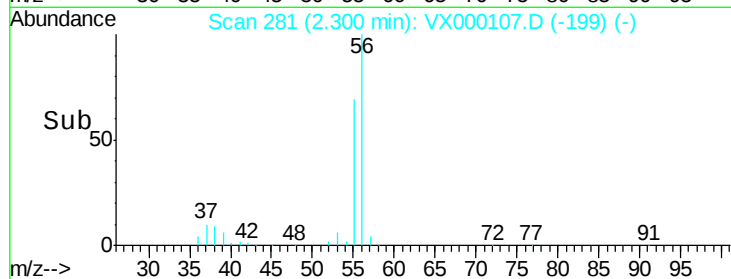
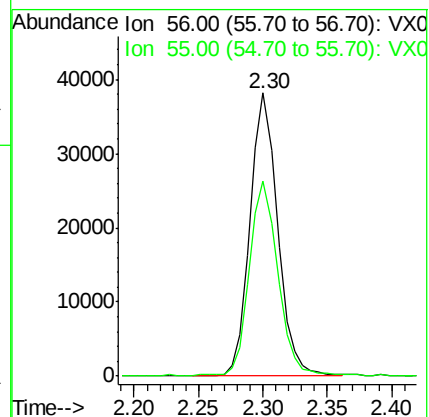
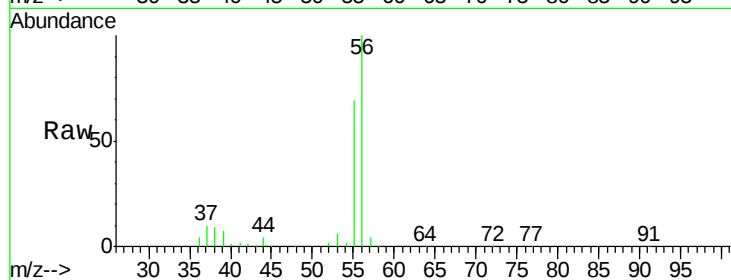
VSTDIC050

Tgt Ion: 56 Resp: 56727

Ion Ratio Lower Upper

56 100

55 71.3 57.3 85.9



#14

Acrylonitrile

Concen: 244.77 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

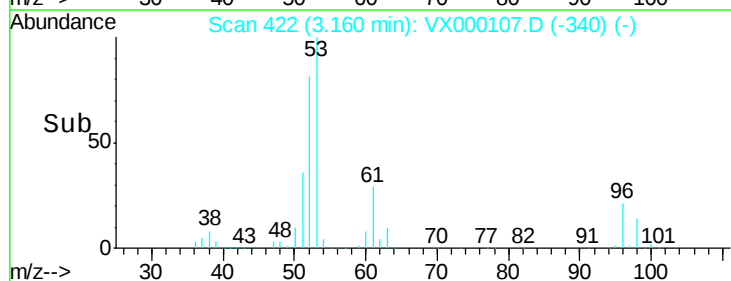
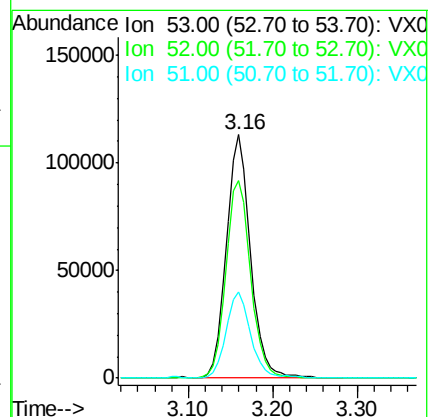
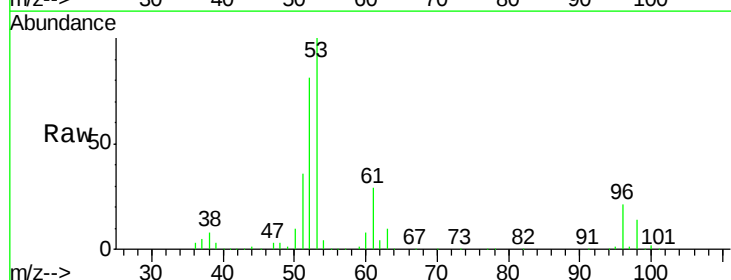
Tgt Ion: 53 Resp: 223422

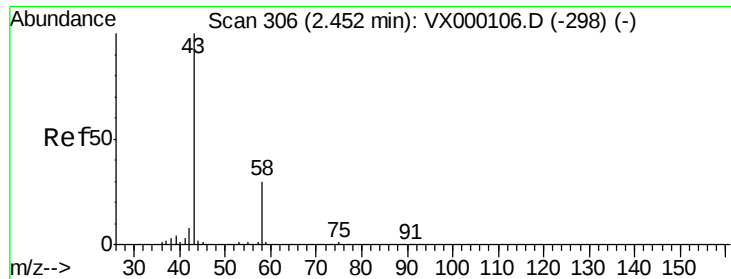
Ion Ratio Lower Upper

53 100

52 82.9 41.9 125.8

51 34.8 18.8 56.3





#15

Acetone

Concen: 236.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

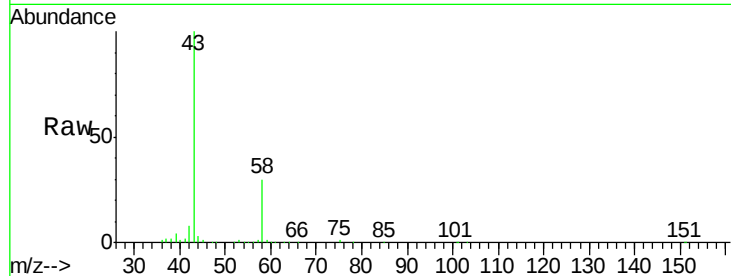
VSTDIC050

Tgt Ion: 58 Resp: 73554

Ion Ratio Lower Upper

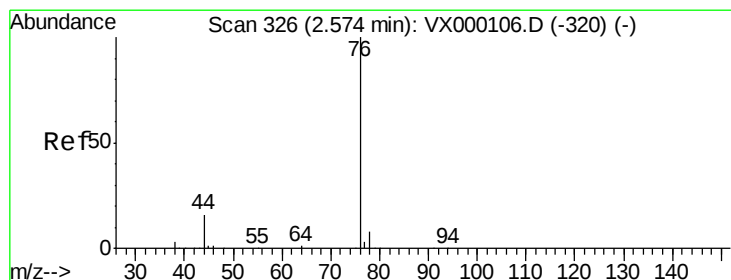
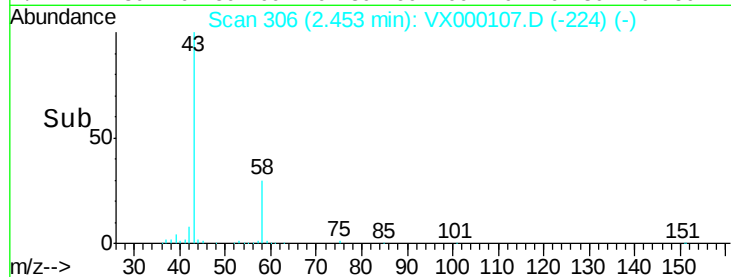
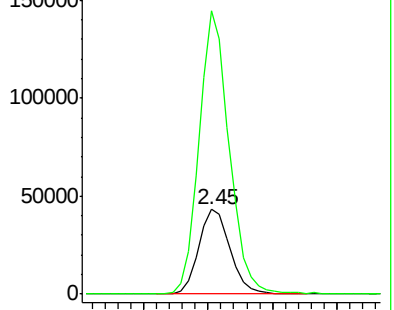
58 100

43 334.4 264.6 396.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 48.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000107.D

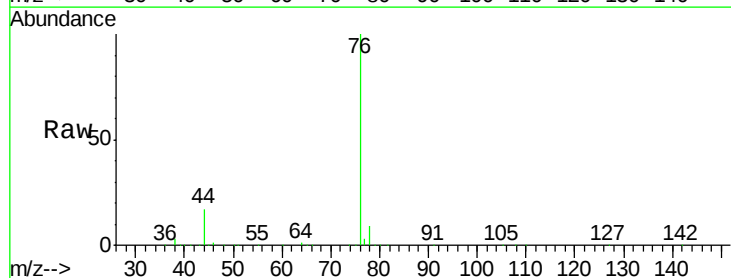
Acq: 20 Feb 2018 14:17

Tgt Ion: 76 Resp: 160876

Ion Ratio Lower Upper

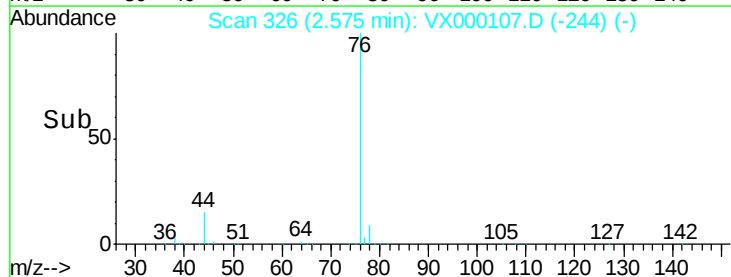
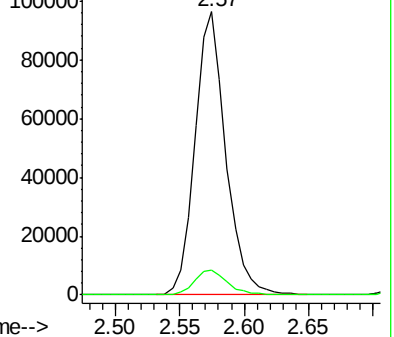
76 100

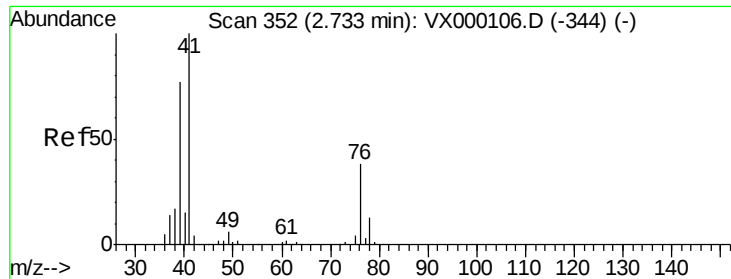
78 8.6 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allyl chloride

Concen: 49.48 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

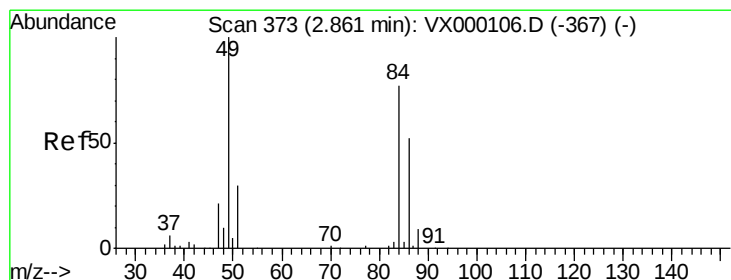
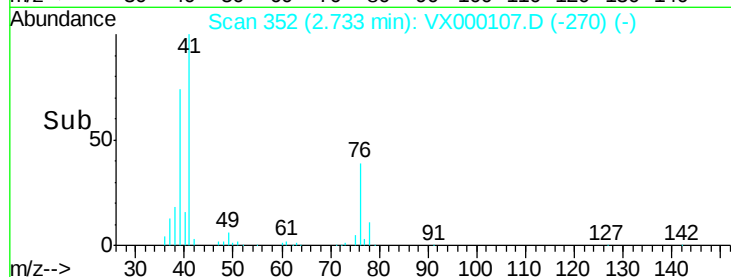
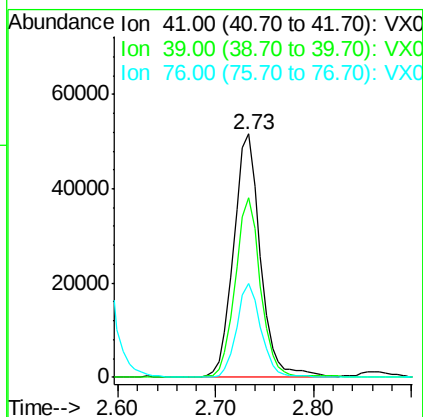
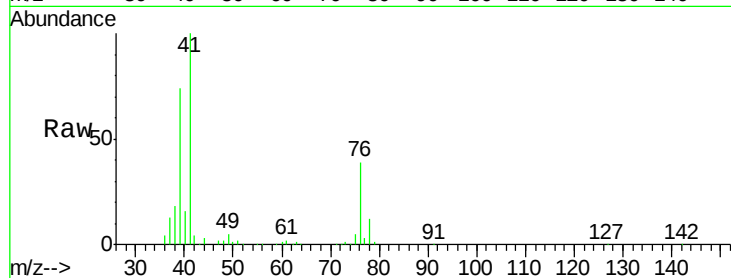
Tgt Ion: 41 Resp: 98012

Ion Ratio Lower Upper

41 100

39 73.6 38.5 115.5

76 38.9 18.7 56.1



#18

Methylene Chloride

Concen: 47.58 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion: 84 Resp: 59809

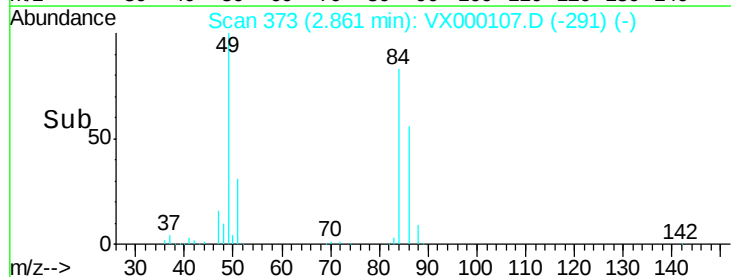
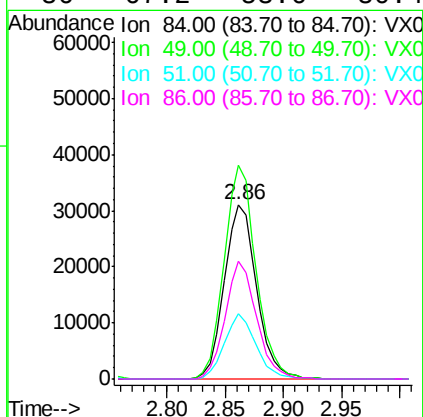
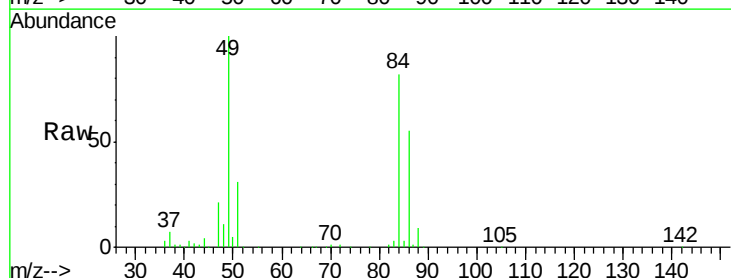
Ion Ratio Lower Upper

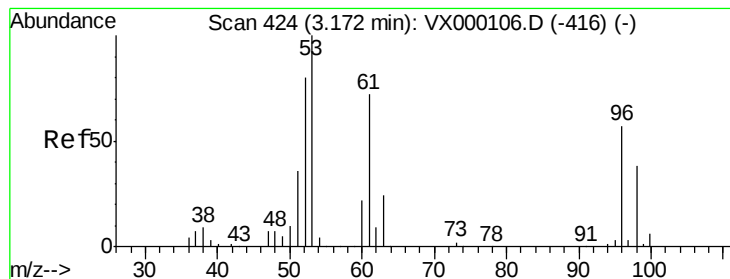
84 100

49 122.4 103.3 154.9

51 37.5 31.2 46.8

86 67.2 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 47.96 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

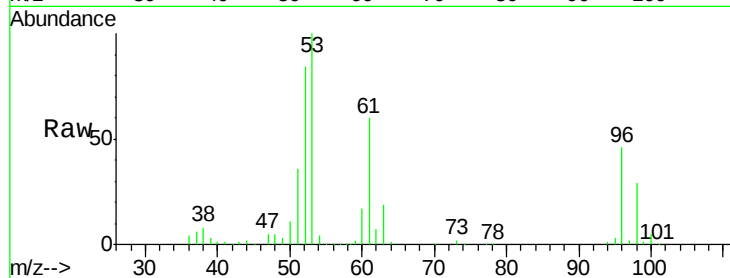
Tgt Ion: 96 Resp: 60730

Ion Ratio Lower Upper

96 100

61 129.7 101.0 151.6

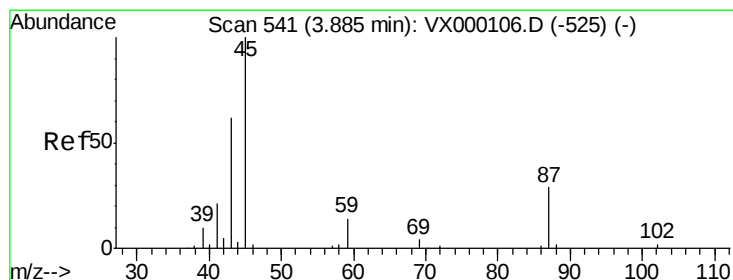
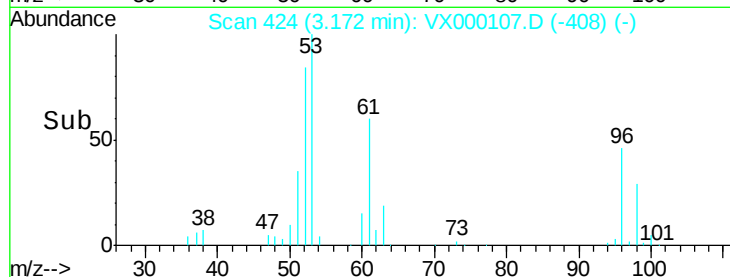
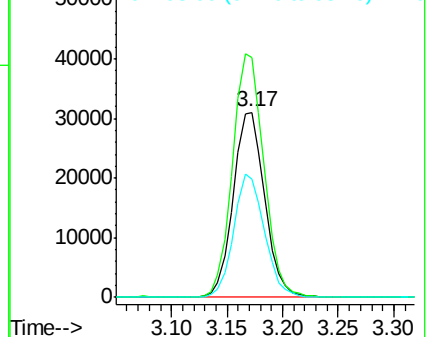
98 63.9 53.3 79.9



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 50.85 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion: 45 Resp: 153882

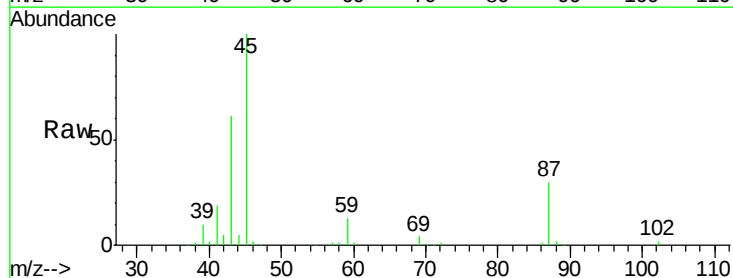
Ion Ratio Lower Upper

45 100

43 58.8 49.6 74.4

87 30.1 23.1 34.7

59 12.6 10.8 16.2

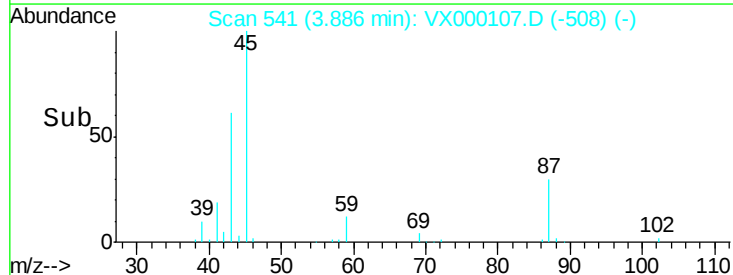
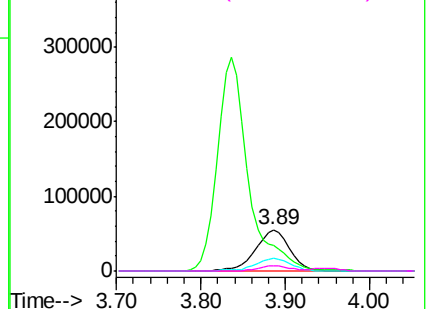


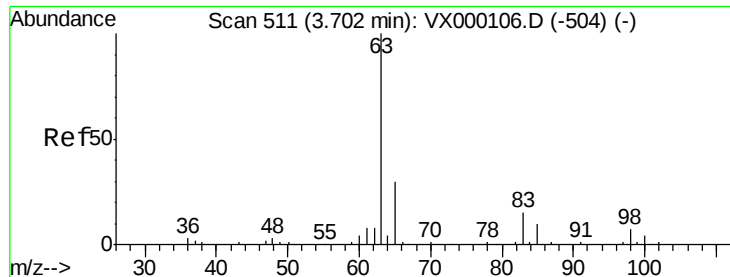
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#21

1,1-Dichloroethane

Concen: 46.74 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

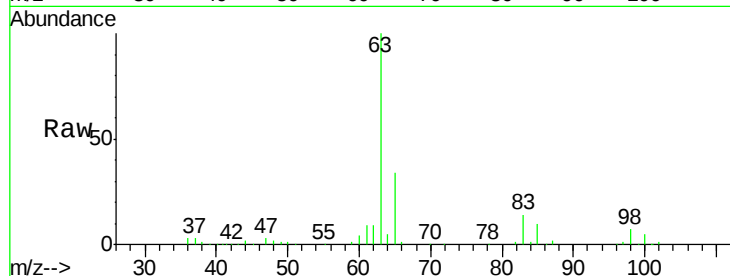
Tgt Ion: 63 Resp: 100611

Ion Ratio Lower Upper

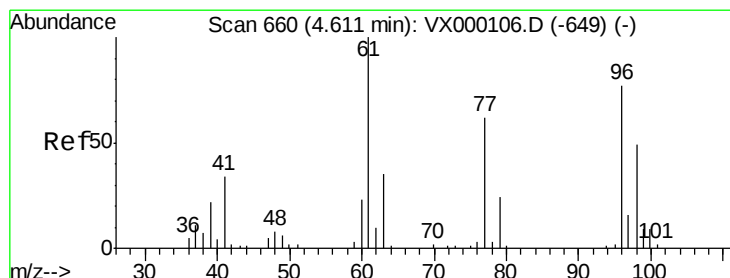
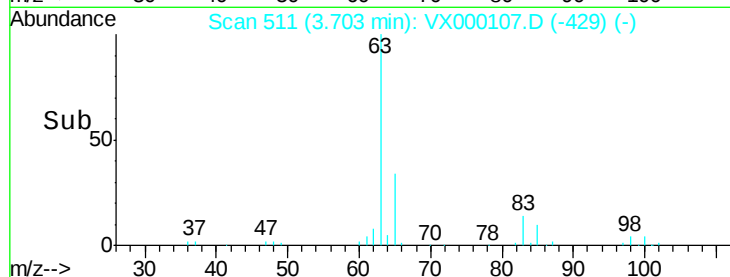
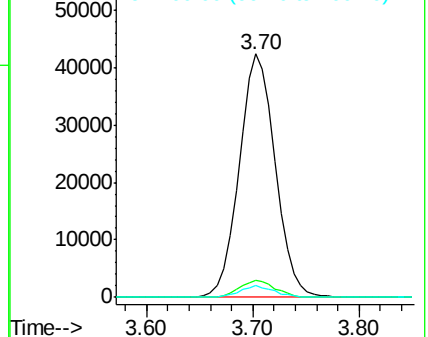
63 100

98 7.1 3.3 9.9

100 4.8 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 49.04 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

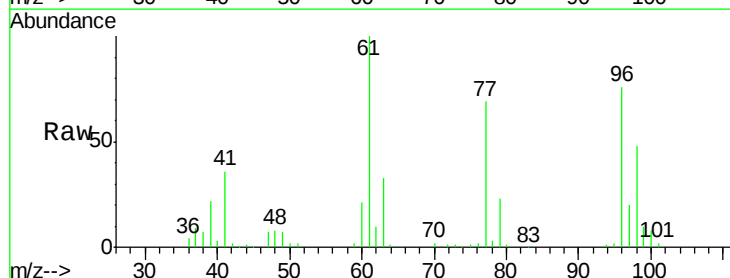
Tgt Ion: 96 Resp: 57732

Ion Ratio Lower Upper

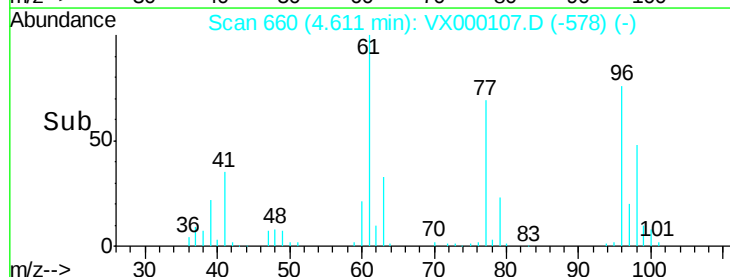
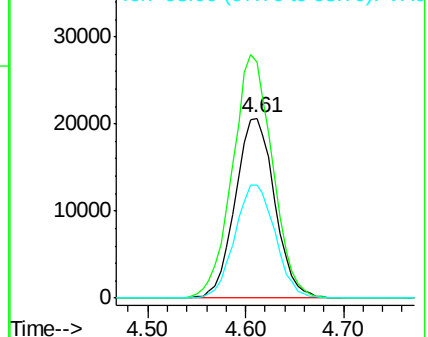
96 100

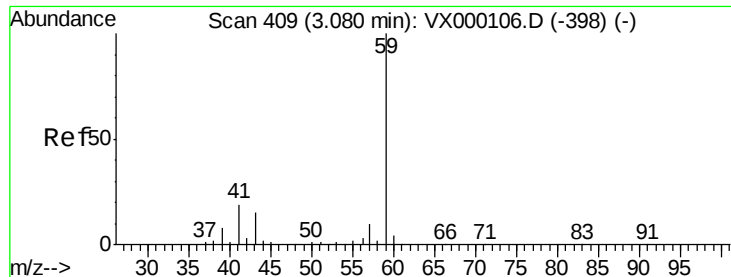
61 138.0 113.5 170.3

98 64.2 51.8 77.8



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



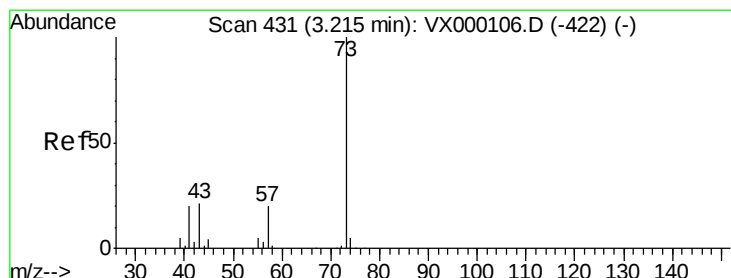
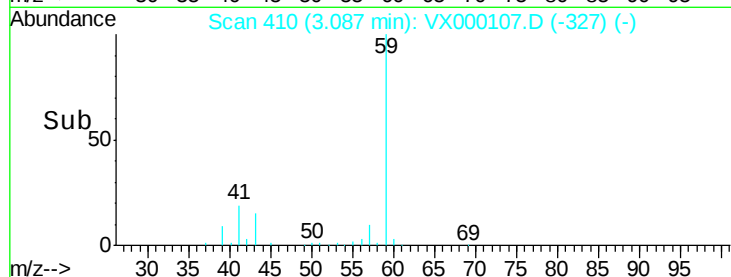
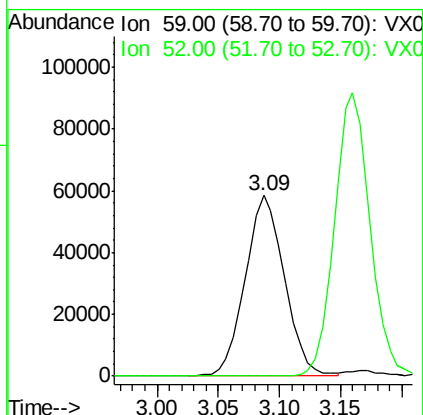
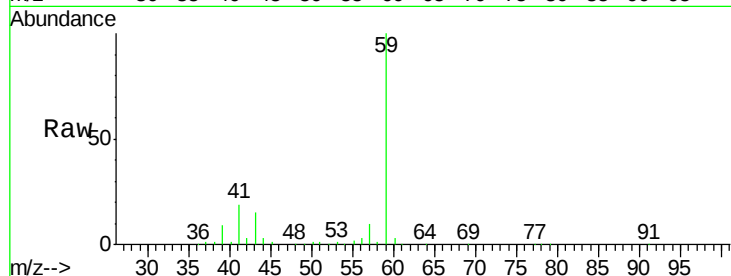


#23

tert-Butyl Alcohol
Concen: 245.47 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

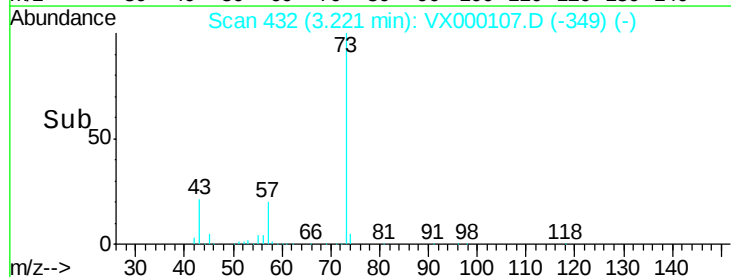
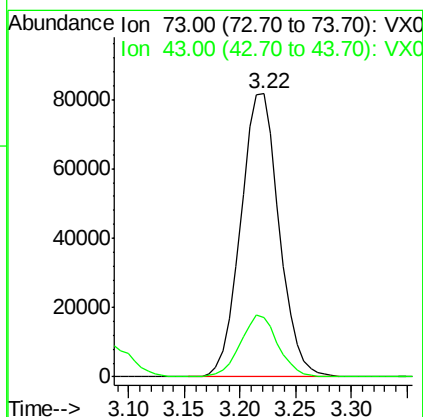
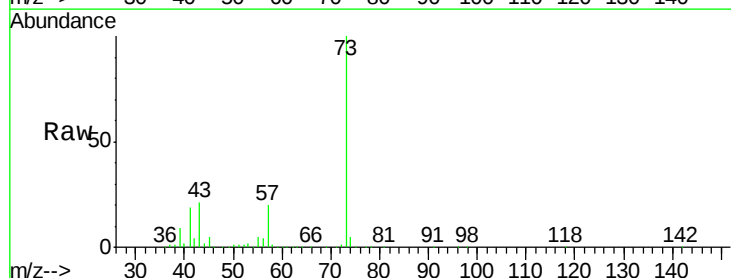
Tgt Ion: 59 Resp: 130330
Ion Ratio Lower Upper
59 100
52 0.3 0.1 0.1#

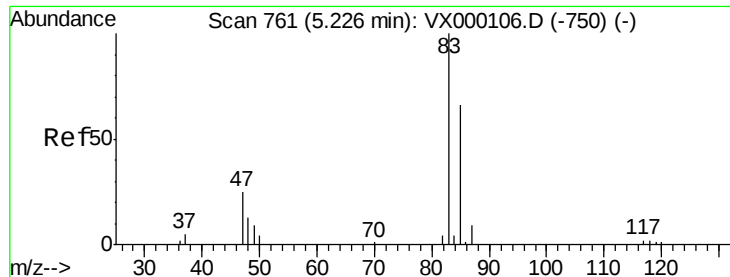


#24

Methyl tert-Butyl Ether
Concen: 48.72 ug/l
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 73 Resp: 196335
Ion Ratio Lower Upper
73 100
43 21.1 16.5 24.7





#25

Chloroform

Concen: 50.62 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

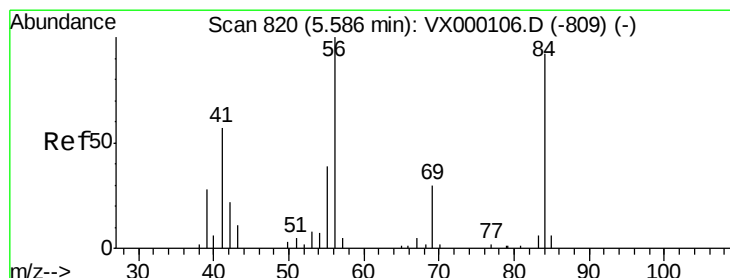
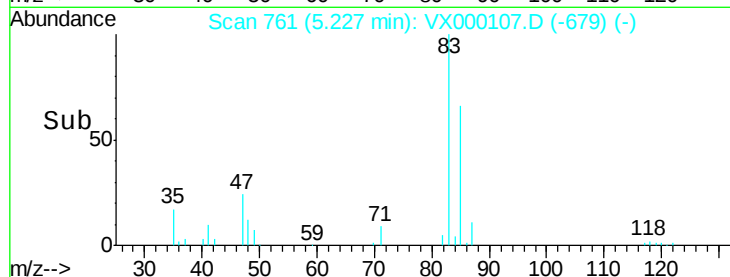
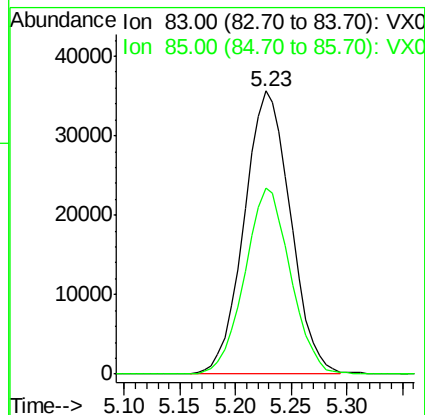
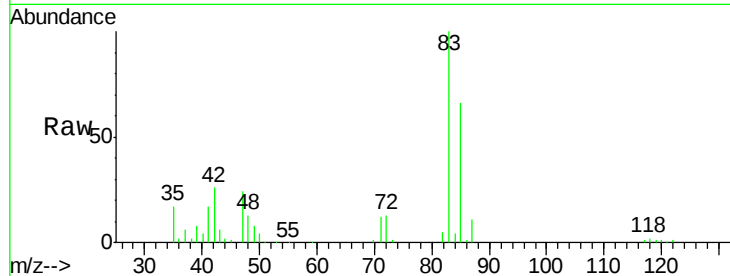
VSTDIC050

Tgt Ion: 83 Resp: 103188

Ion Ratio Lower Upper

83 100

85 65.8 52.5 78.7



#26

Cyclohexane

Concen: 50.74 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

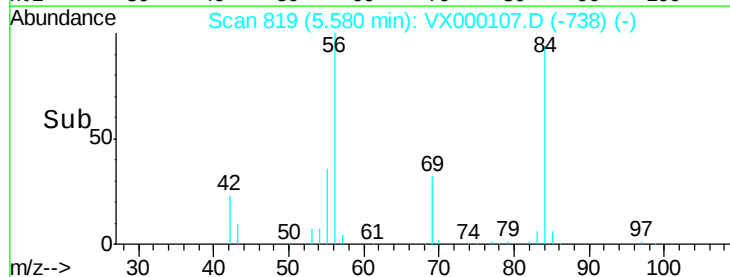
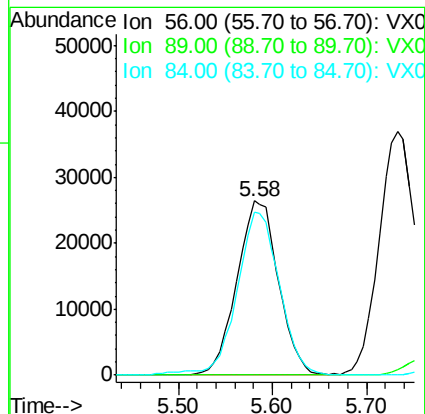
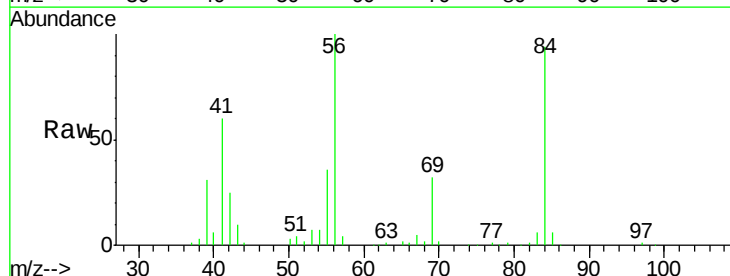
Tgt Ion: 56 Resp: 81461

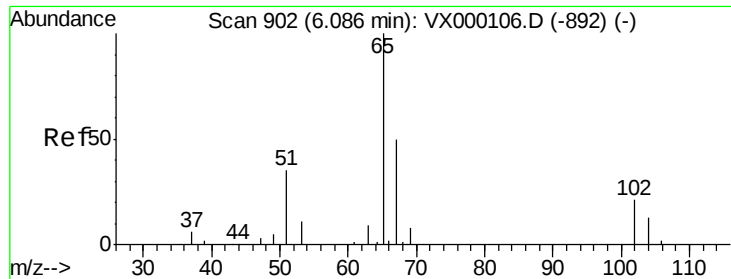
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 93.6 74.8 112.2





#27

1,2-Dichloroethane-d4

Concen: 29.66 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

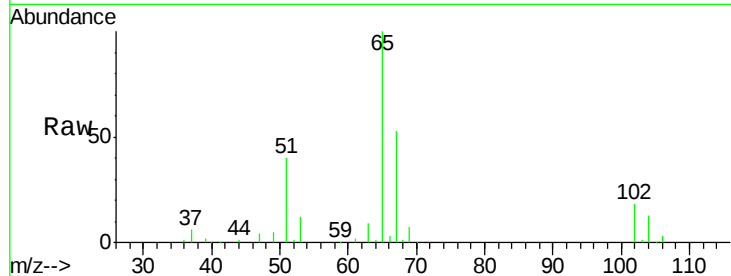
VSTDIC050

Tgt Ion: 65 Resp: 40053

Ion Ratio Lower Upper

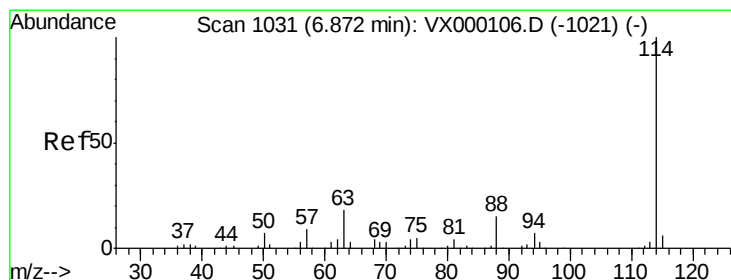
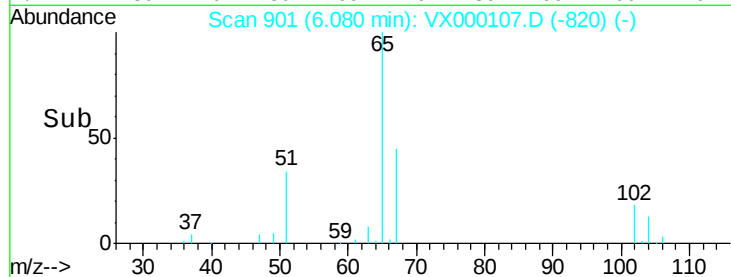
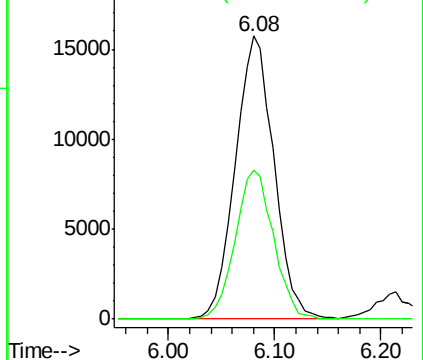
65 100

67 52.3 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

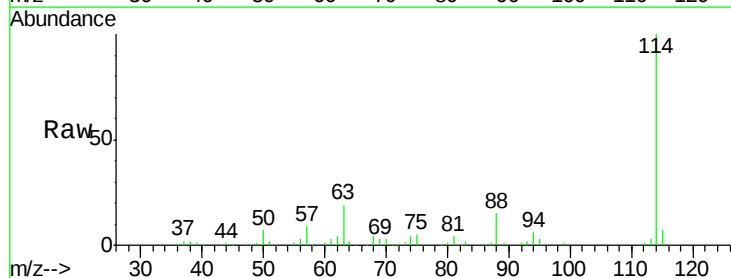
Tgt Ion: 114 Resp: 106053

Ion Ratio Lower Upper

114 100

63 18.5 15.0 22.4

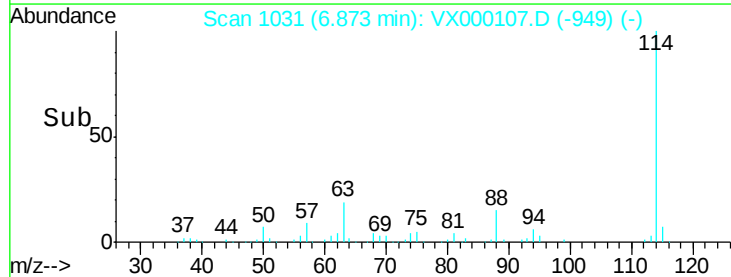
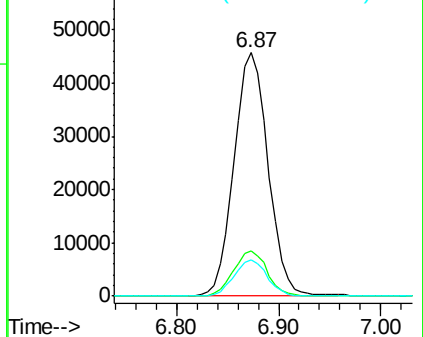
88 14.5 11.8 17.8

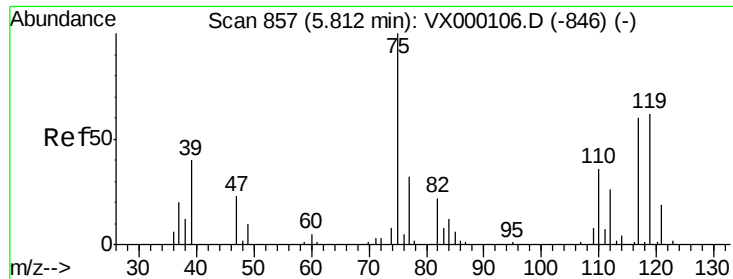


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

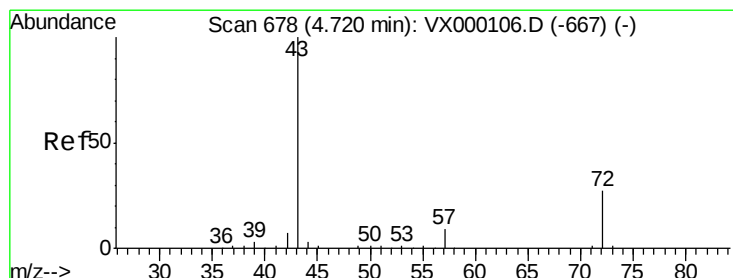
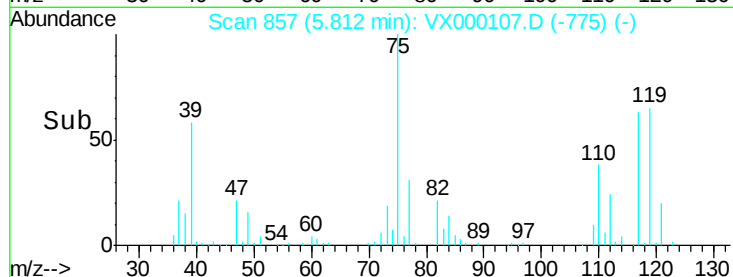
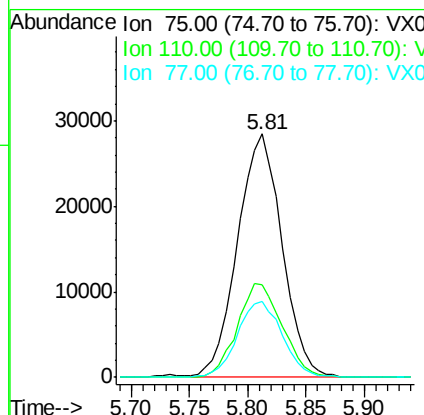
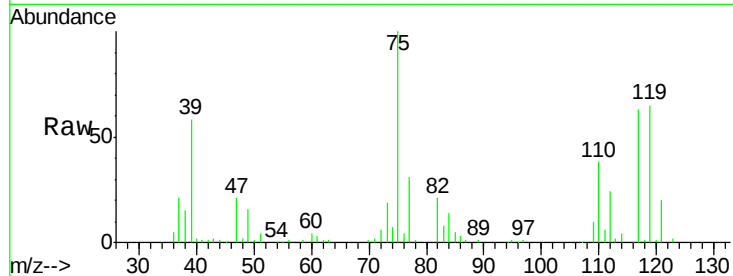




#29
 1,1-Dichloropropene
 Concen: 49.57 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

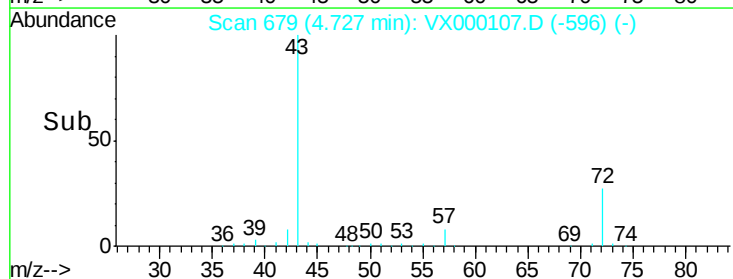
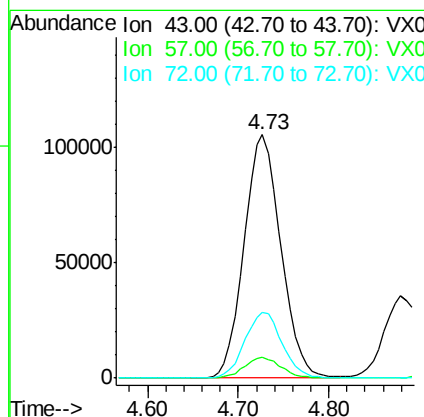
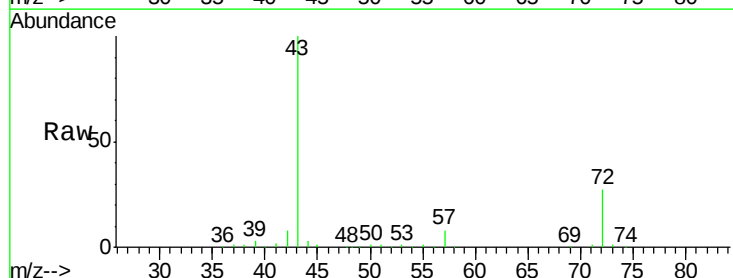
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

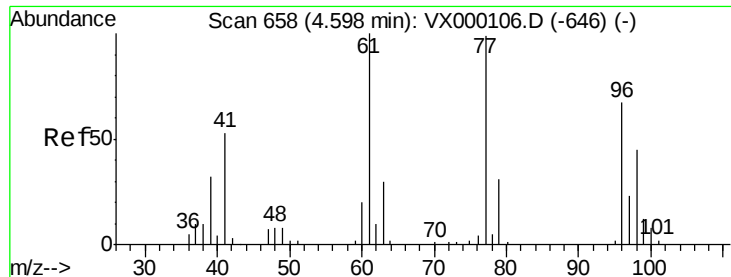
Tgt Ion: 75 Resp: 75779
 Ion Ratio Lower Upper
 75 100
 110 38.7 0.0 75.6
 77 31.6 0.0 62.6



#30
 2-Butanone
 Concen: 242.78 ug/l
 RT: 4.73 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 43 Resp: 296506
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.6 10.0
 72 27.3 21.8 32.6

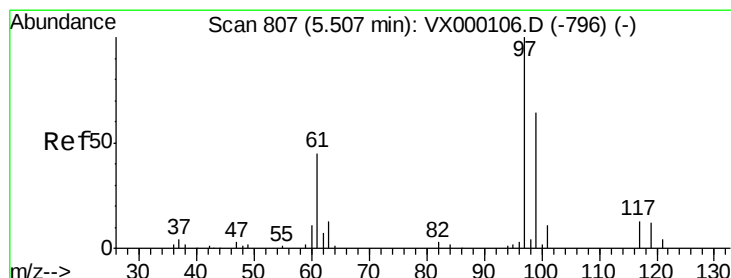
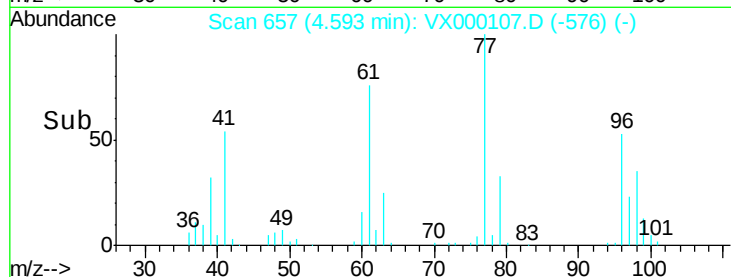
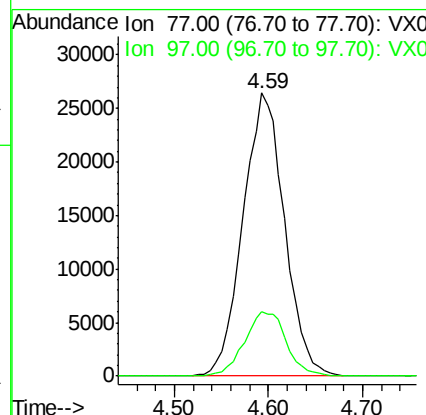
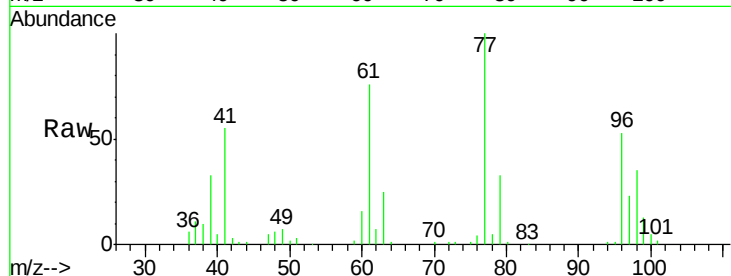




#31
 2,2-Dichloropropane
 Concen: 49.40 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

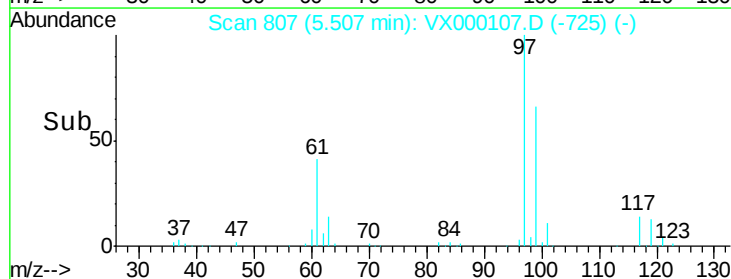
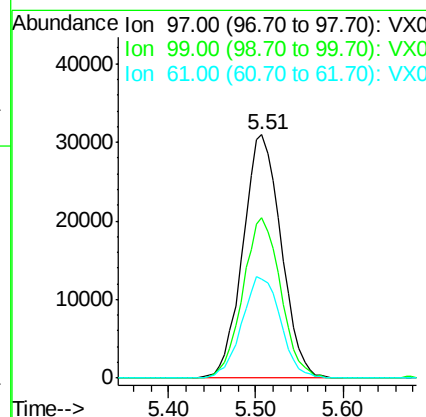
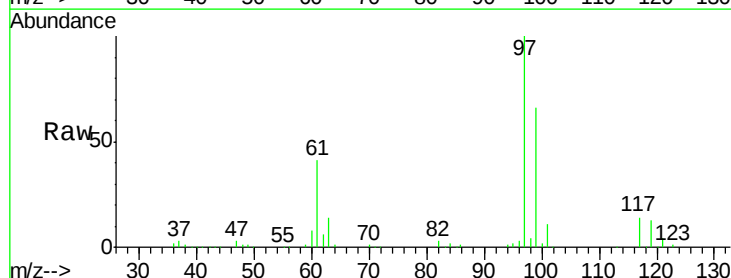
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion: 77 Resp: 81434
 Ion Ratio Lower Upper
 77 100
 97 22.9 18.6 27.8



#32
 1,1,1-Trichloroethane
 Concen: 50.69 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 97 Resp: 94260
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 42.2 34.3 51.5





#33

Carbon Tetrachloride

Concen: 51.71 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

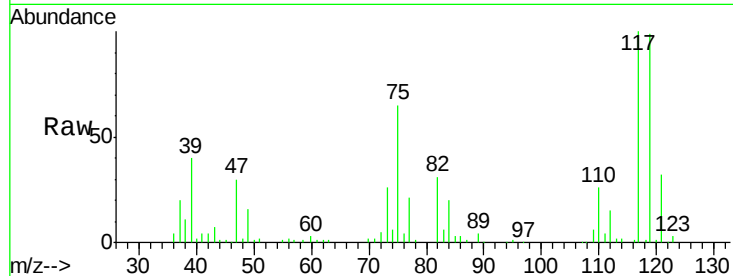
Tgt Ion:117 Resp: 84914

Ion Ratio Lower Upper

117 100

119 99.4 73.5 110.3

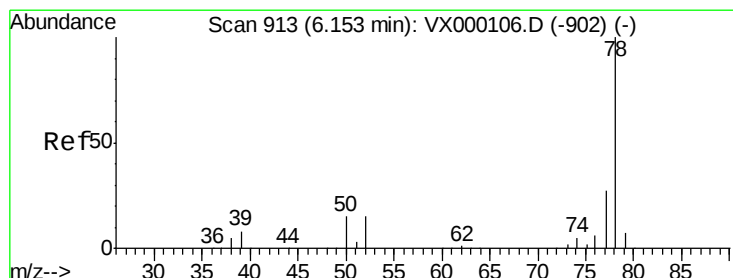
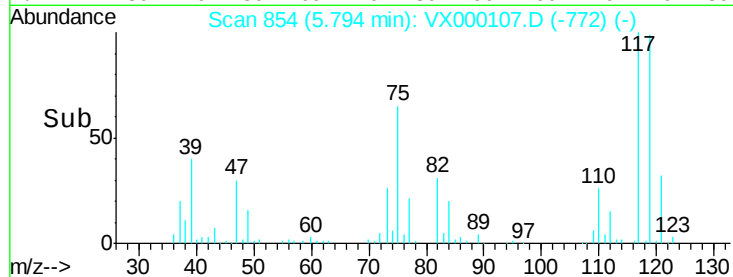
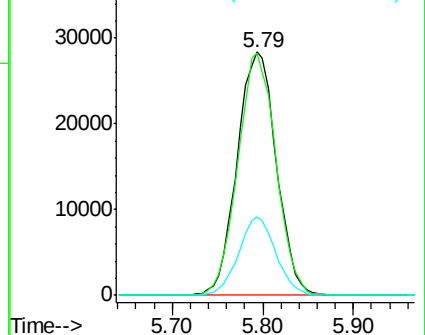
121 32.5 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 49.44 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

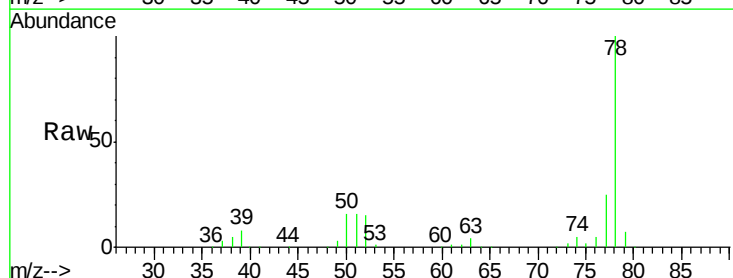
Tgt Ion: 78 Resp: 220850

Ion Ratio Lower Upper

78 100

77 24.6 21.7 32.5

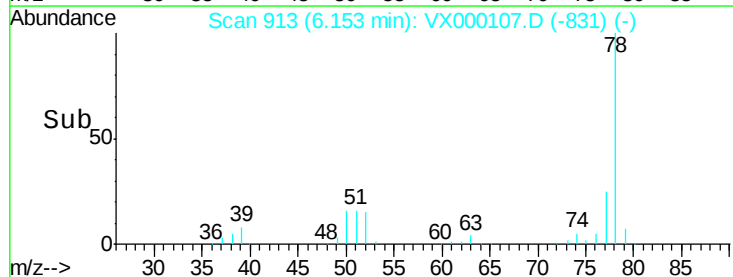
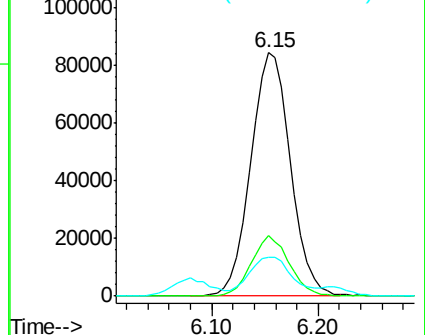
51 12.9 14.9 22.3#

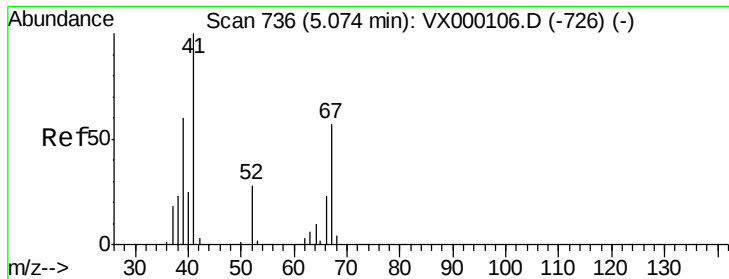


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#35

Methacrylonitrile

Concen: 48.35 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 52642

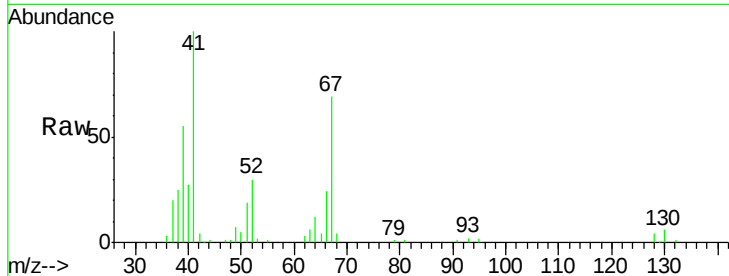
Ion Ratio Lower Upper

41 100

39 54.2 29.8 89.3

67 69.1 28.7 86.3

52 29.7 14.0 41.9

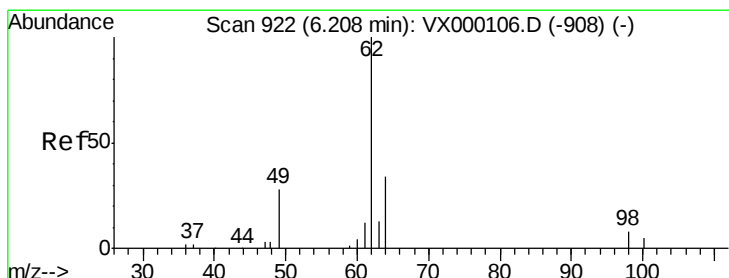
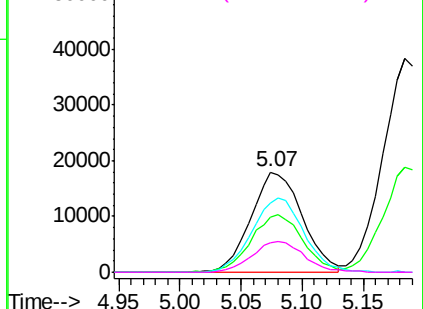
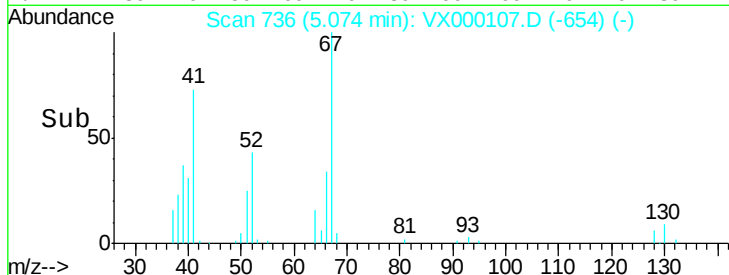


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#36

1,2-Dichloroethane

Concen: 48.56 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000107.D

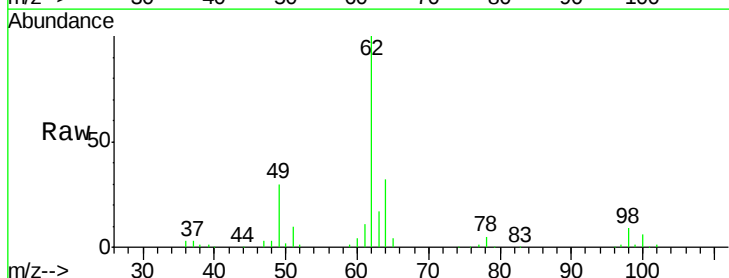
Acq: 20 Feb 2018 14:17

Tgt Ion: 62 Resp: 81866

Ion Ratio Lower Upper

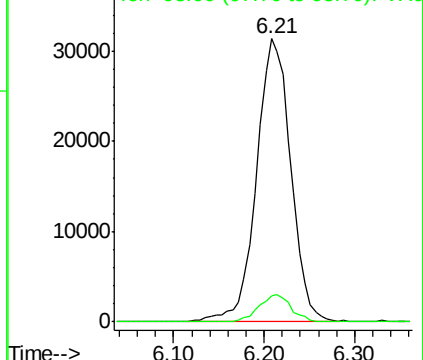
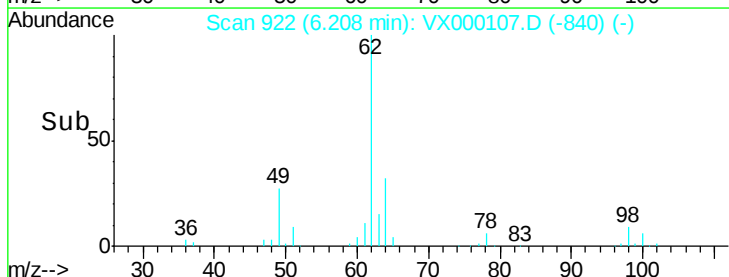
62 100

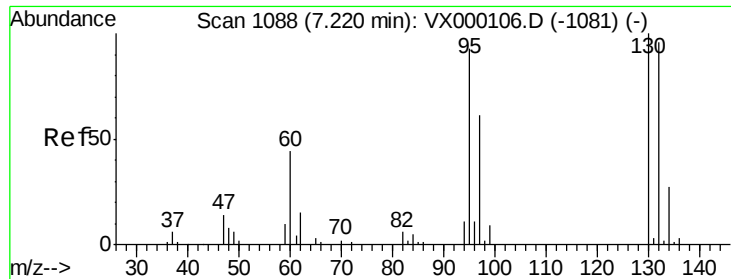
98 9.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

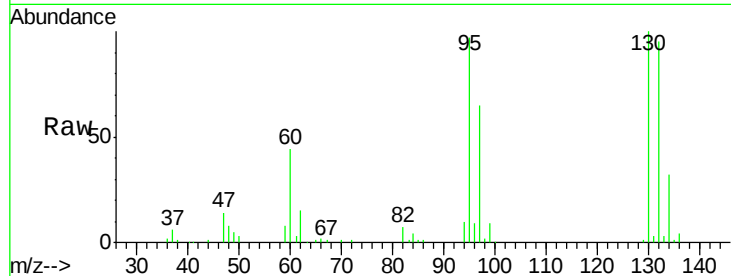




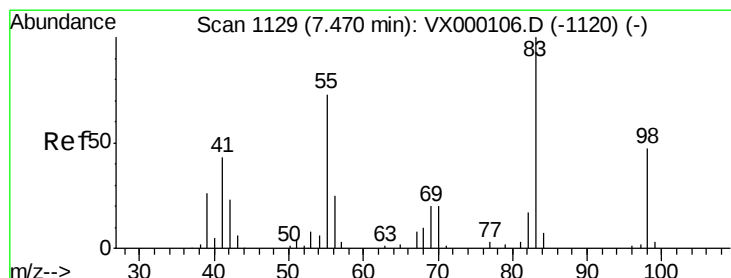
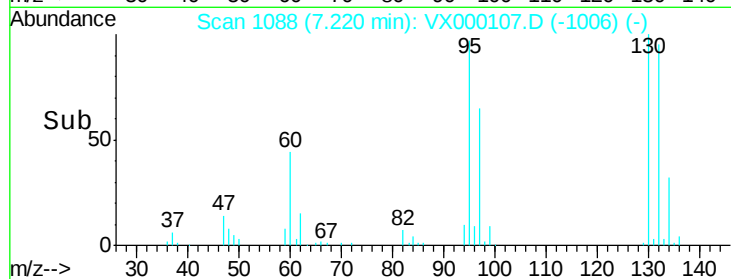
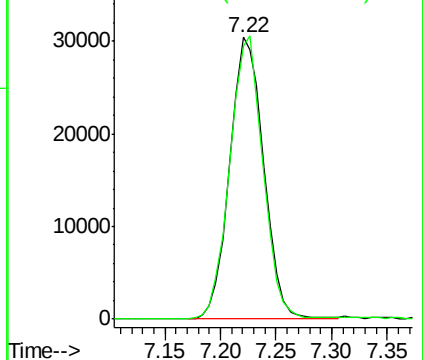
#37
 Trichloroethene
 Concen: 48.41 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion: 130 Resp: 64274
 Ion Ratio Lower Upper
 130 100
 95 96.8 74.6 112.0

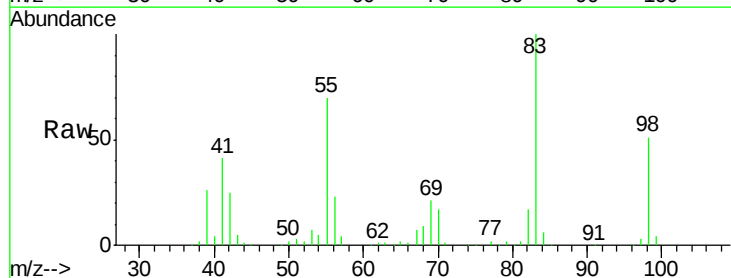


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

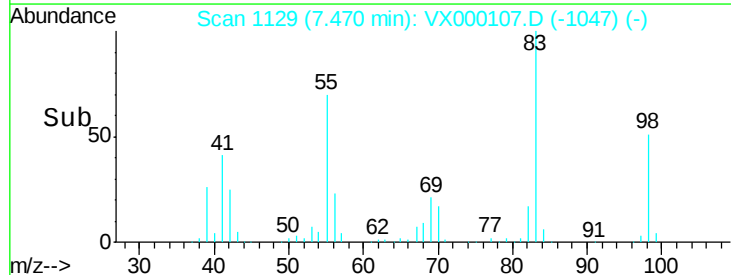
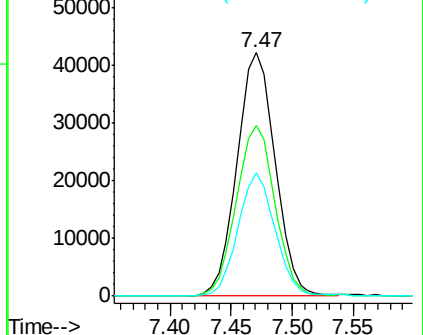


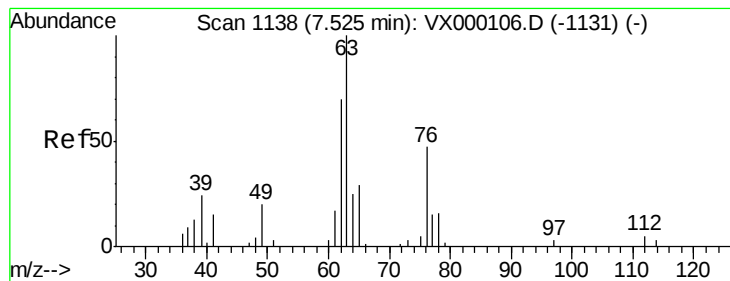
#38
 Methylcyclohexane
 Concen: 51.07 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 83 Resp: 91966
 Ion Ratio Lower Upper
 83 100
 55 70.6 35.9 107.7
 98 49.0 24.6 74.0



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





#39

1,2-Dichloropropane

Concen: 48.51 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

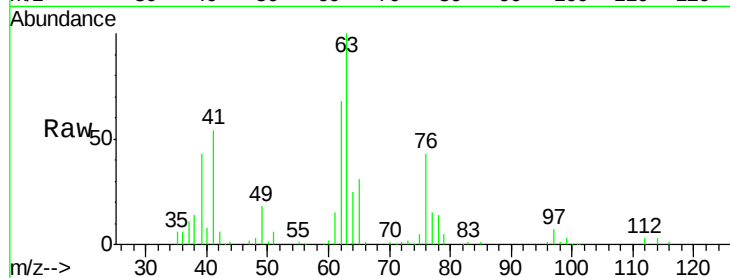
VSTDIC050

Tgt Ion: 63 Resp: 54756

Ion Ratio Lower Upper

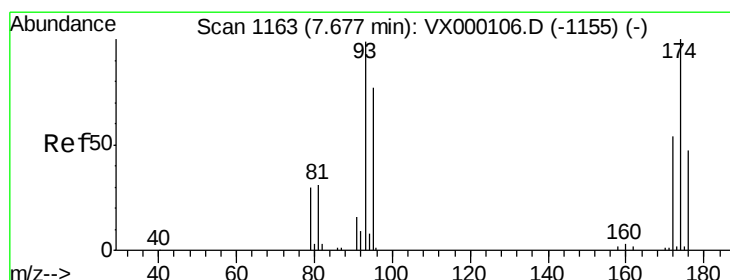
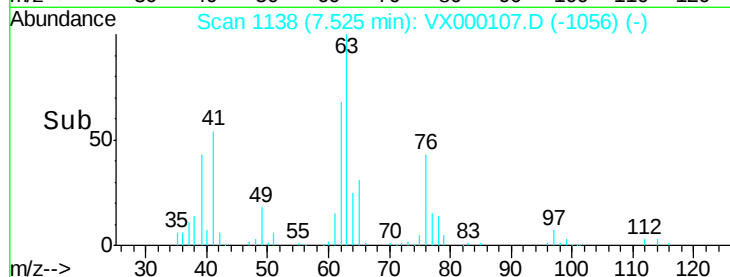
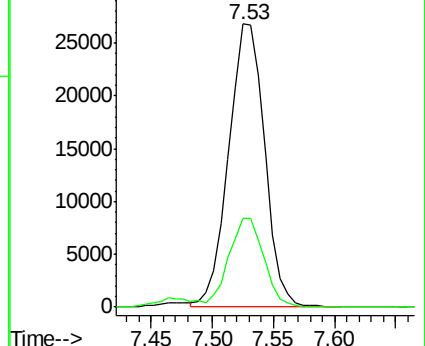
63 100

65 31.2 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 50.52 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

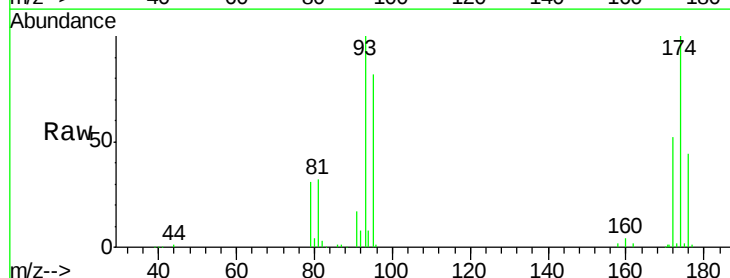
Tgt Ion: 93 Resp: 42862

Ion Ratio Lower Upper

93 100

95 82.9 0.0 170.6

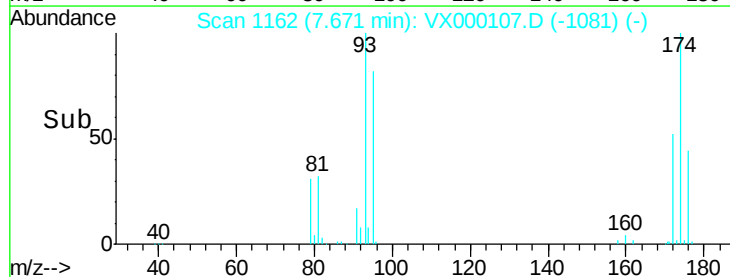
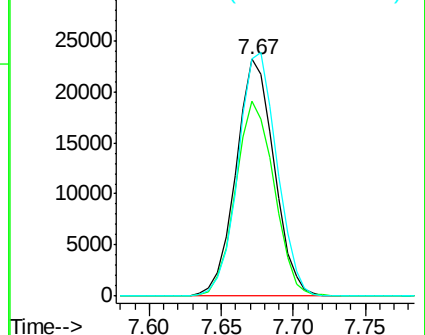
174 104.1 0.0 210.4

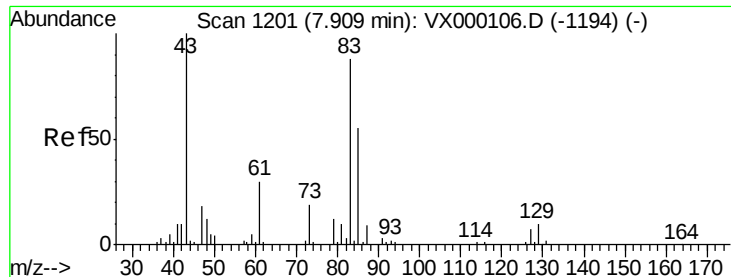


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 49.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

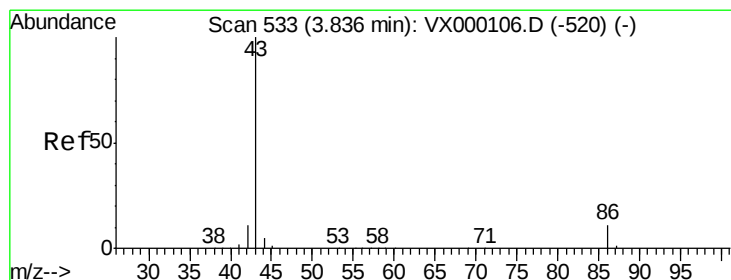
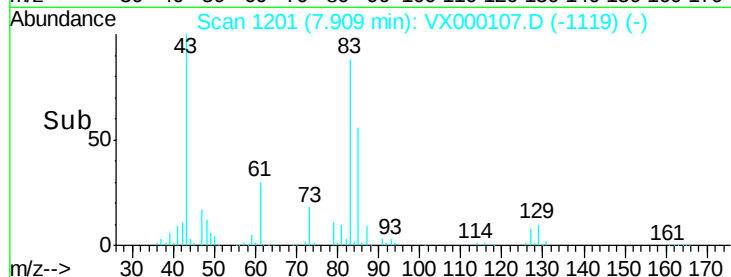
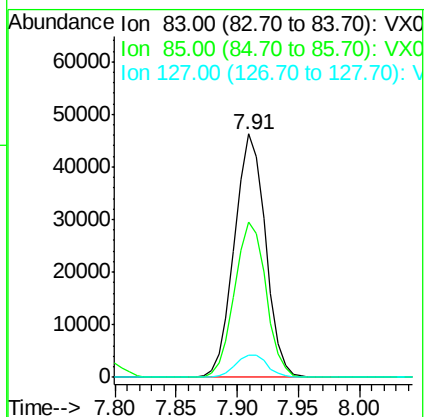
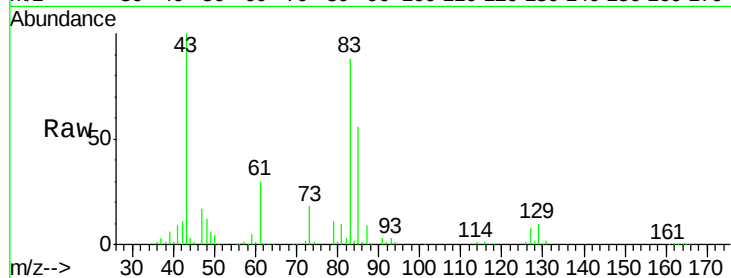
Tgt Ion: 83 Resp: 81686

Ion Ratio Lower Upper

83 100

85 63.9 50.0 75.0

127 9.2 6.6 10.0



#42

Vinyl Acetate

Concen: 247.46 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000107.D

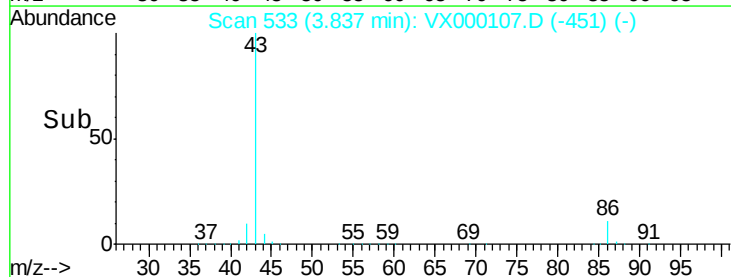
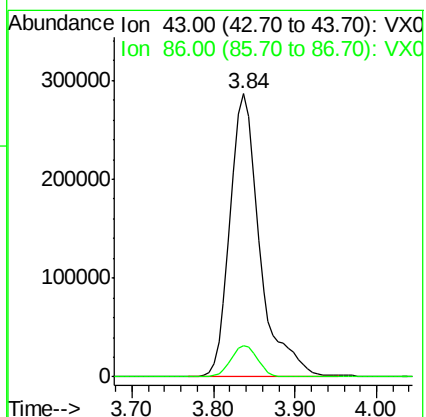
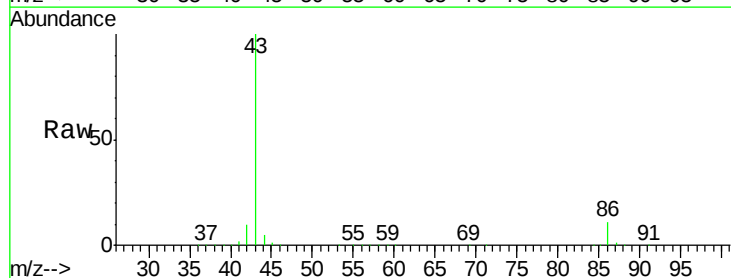
Acq: 20 Feb 2018 14:17

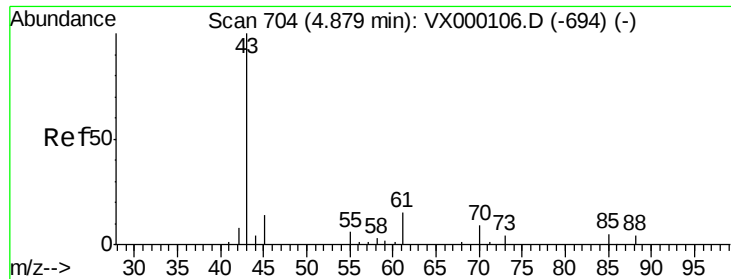
Tgt Ion: 43 Resp: 726659

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.6





#43

Ethyl Acetate

Concen: 48.06 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

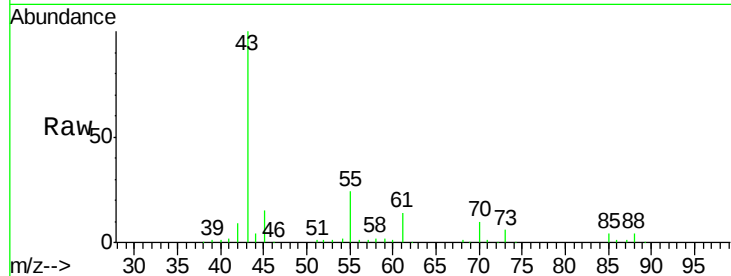
VSTDIC050

Tgt Ion: 43 Resp: 102578

Ion Ratio Lower Upper

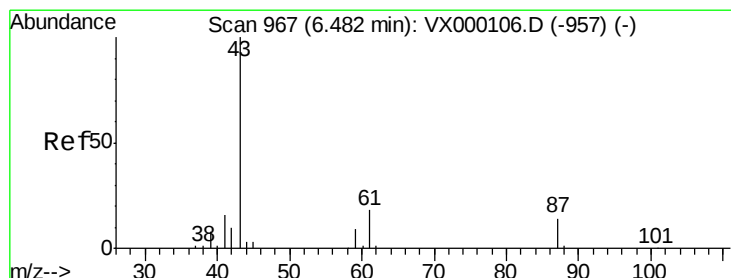
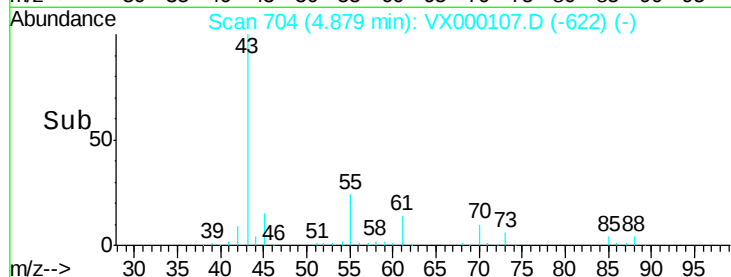
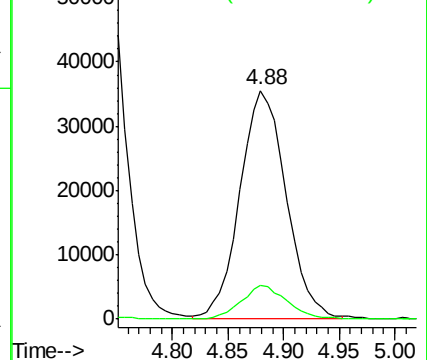
43 100

45 13.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 50.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000107.D

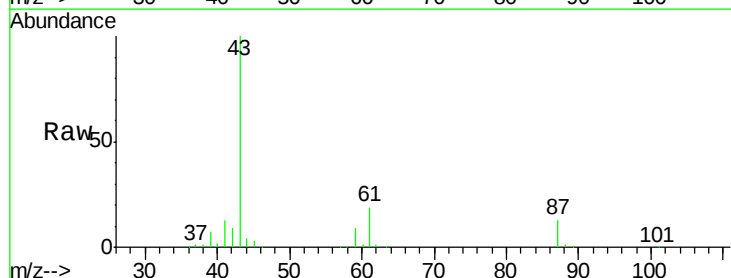
Acq: 20 Feb 2018 14:17

Tgt Ion: 43 Resp: 153755

Ion Ratio Lower Upper

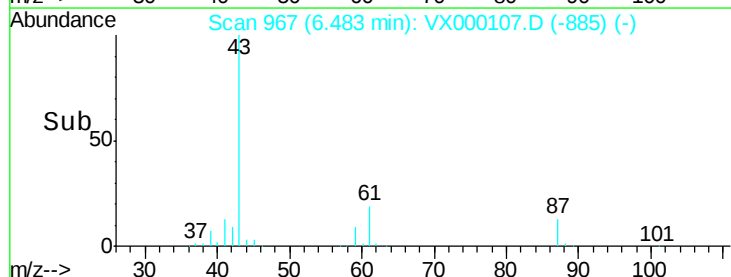
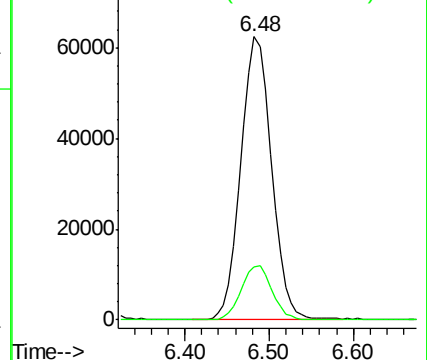
43 100

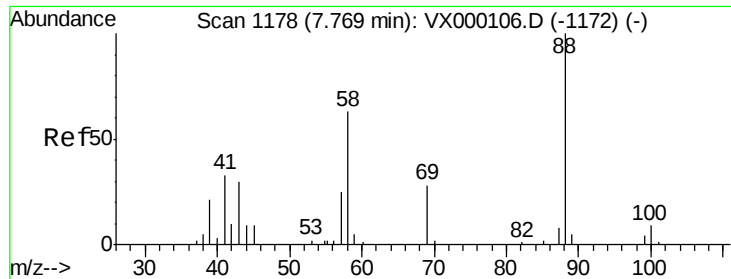
61 19.3 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

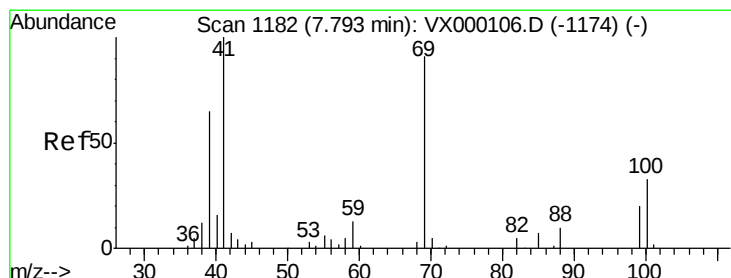
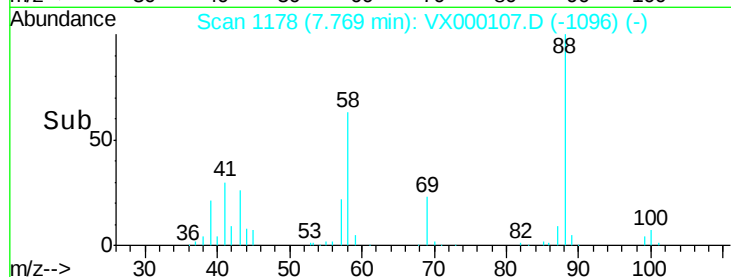
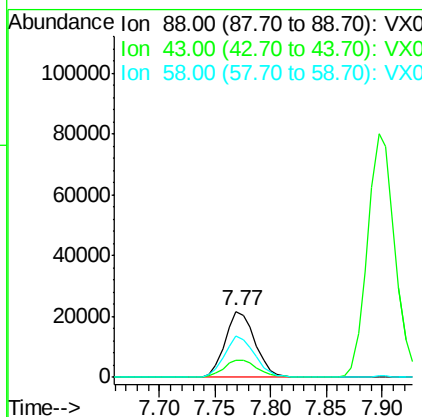
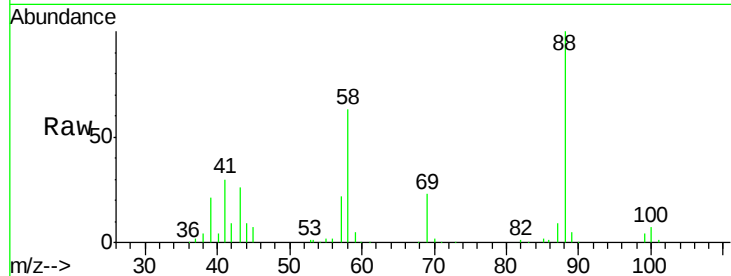




#45
 1,4-Dioxane
 Concen: 1070.71 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

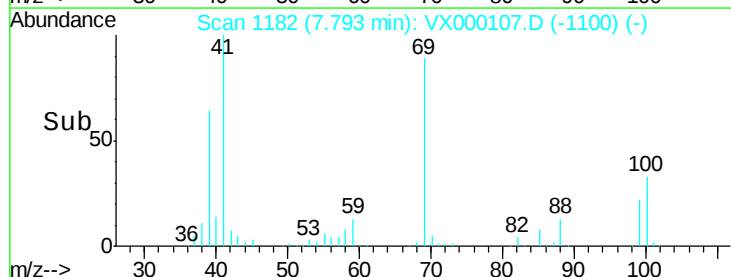
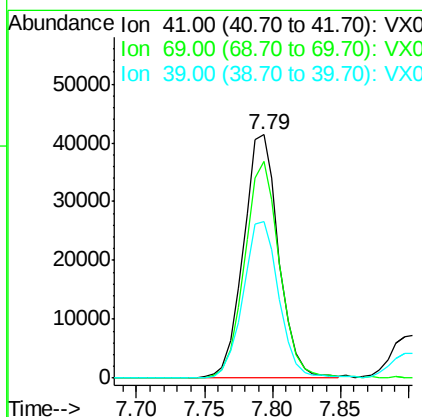
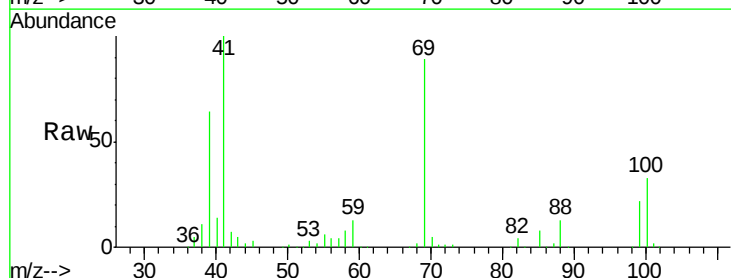
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

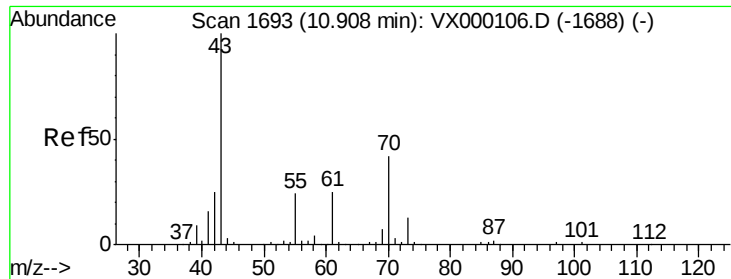
Tgt Ion: 88 Resp: 40412
 Ion Ratio Lower Upper
 88 100
 43 30.1 26.8 40.2
 58 62.4 52.1 78.1



#46
 Methyl methacrylate
 Concen: 50.29 ug/l
 RT: 7.79 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 41 Resp: 74836
 Ion Ratio Lower Upper
 41 100
 69 89.1 45.5 136.5
 39 64.1 32.5 97.5

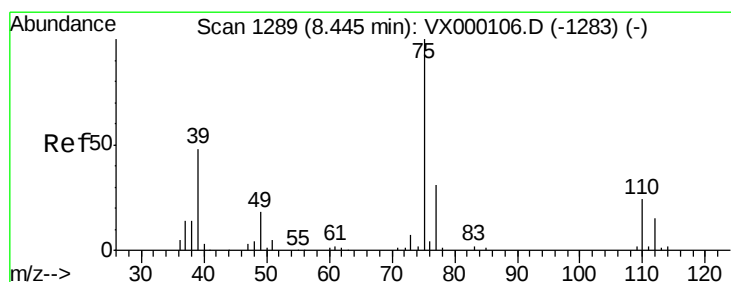
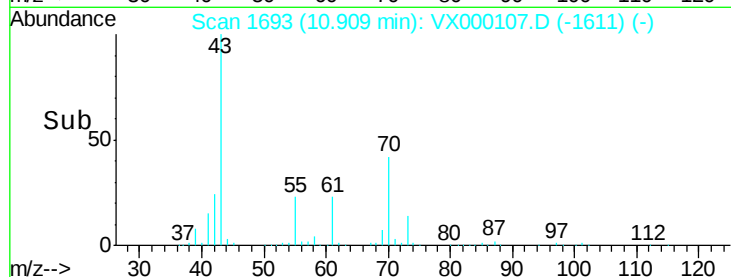
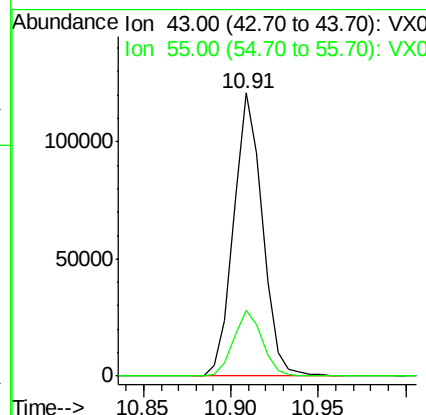
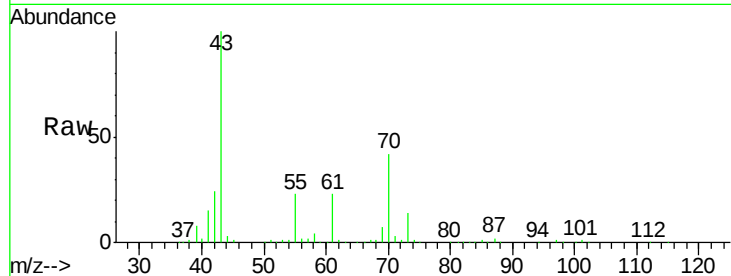




#47
n-amy1 Acetate
Concen: 53.11 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

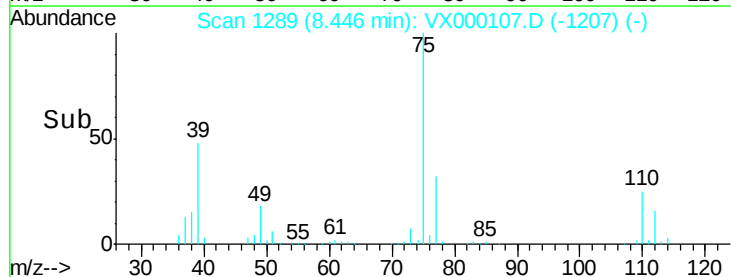
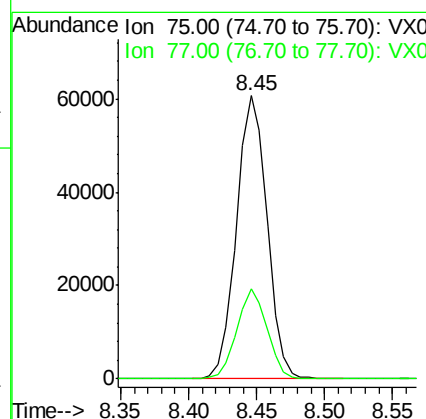
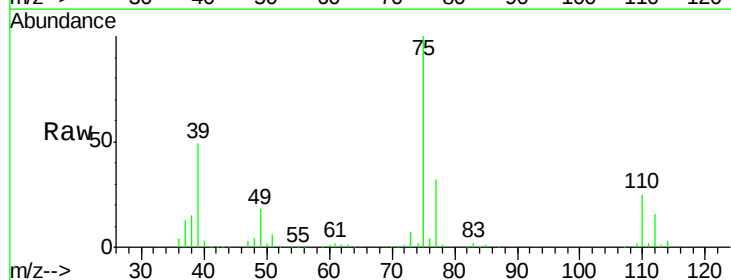
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

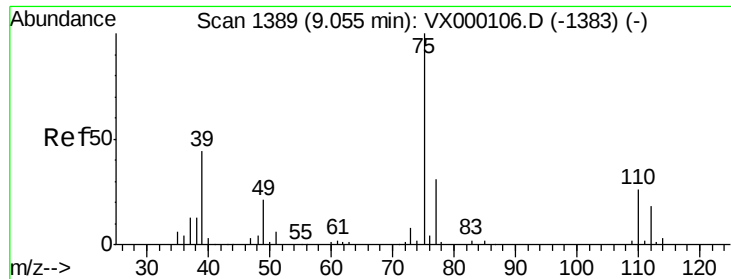
Tgt Ion: 43 Resp: 139125
Ion Ratio Lower Upper
43 100
55 23.3 19.4 29.2



#48
t-1,3-Dichloropropene
Concen: 49.42 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 75 Resp: 94952
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

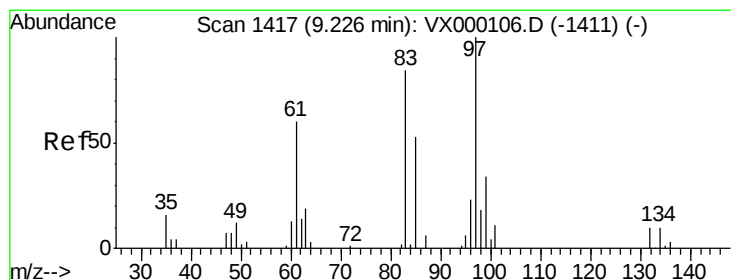
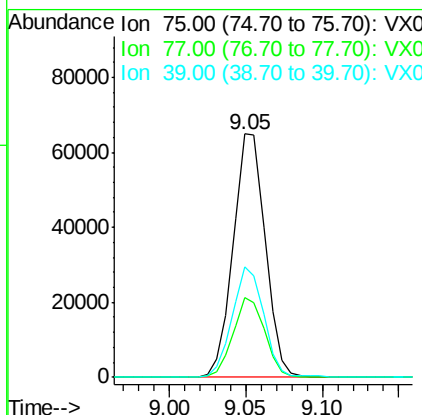
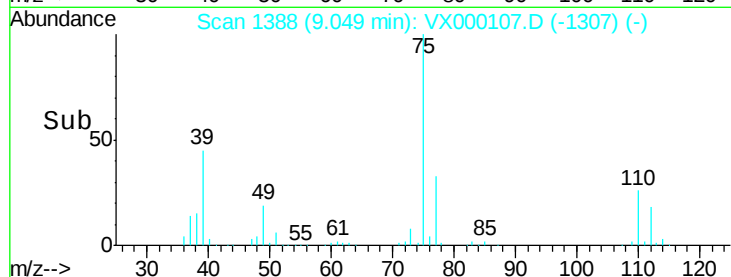
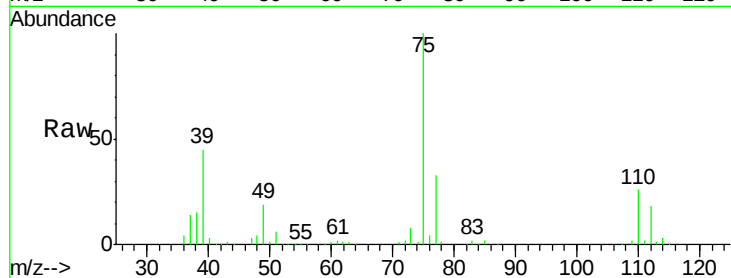




#49
 cis-1,3-Dichloropropene
 Concen: 50.91 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

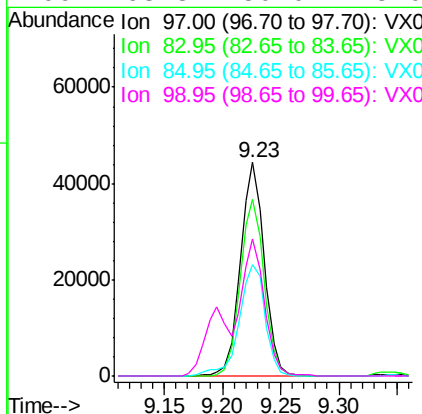
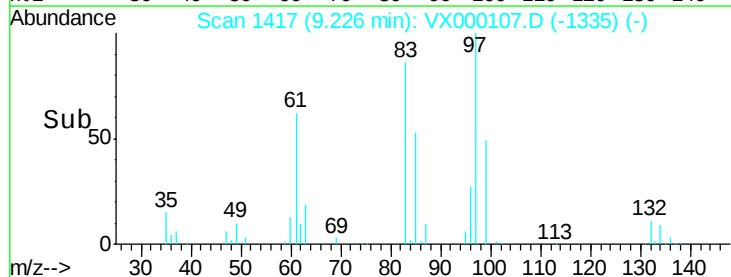
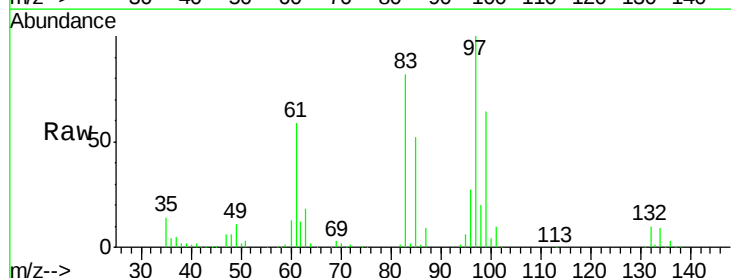
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

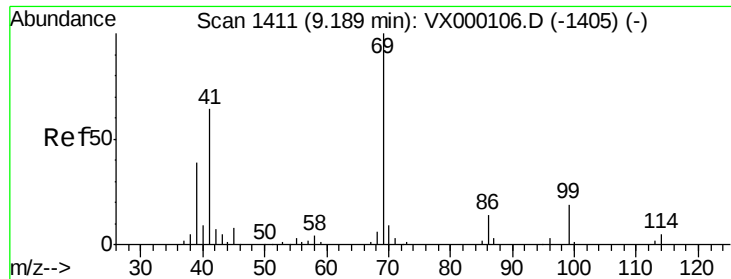
Tgt Ion: 75 Resp: 94490
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.5 36.7
 39 45.1 35.6 53.4



#50
 1,1,2-Trichloroethane
 Concen: 51.89 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 97 Resp: 63506
 Ion Ratio Lower Upper
 97 100
 83 82.4 66.9 100.3
 85 52.1 44.4 66.6
 99 63.8 50.0 75.0





#51

Ethyl methacrylate

Concen: 52.45 ug/l

RT: 9.20 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

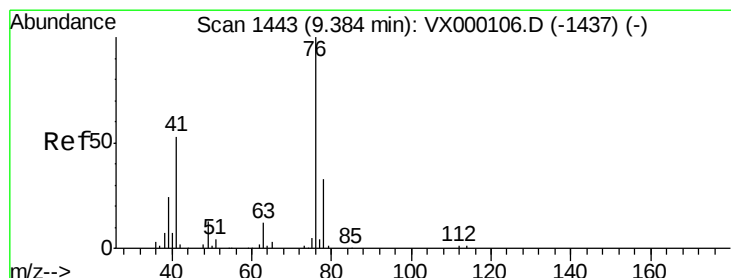
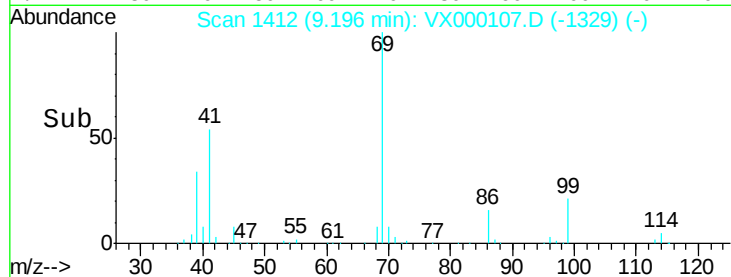
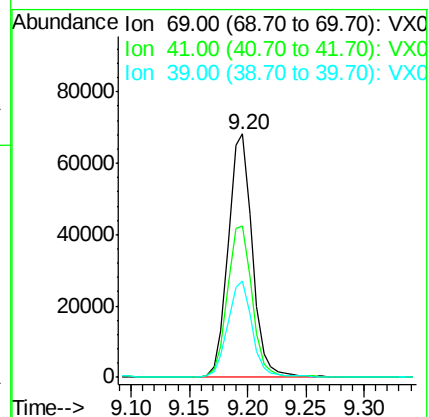
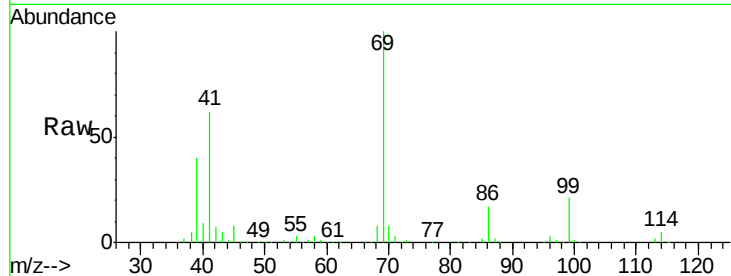
Tgt Ion: 69 Resp: 97801

Ion Ratio Lower Upper

69 100

41 62.1 32.1 96.3

39 39.7 19.6 58.7



#52

1,3-Dichloropropane

Concen: 49.66 ug/l

RT: 9.38 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VX000107.D

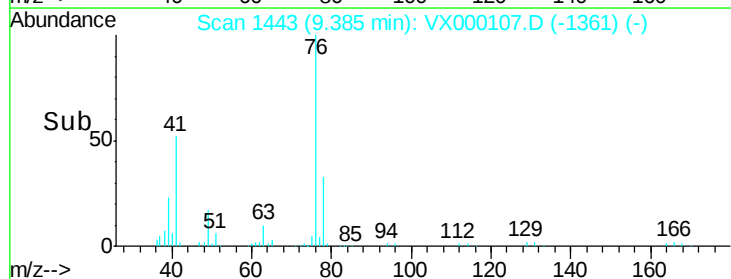
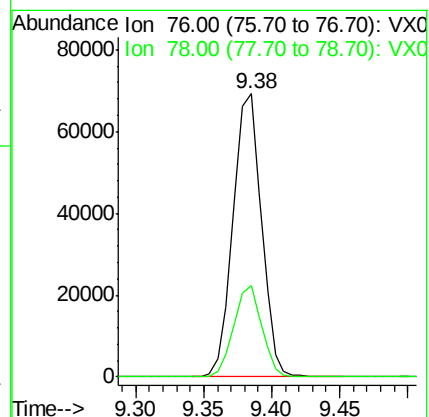
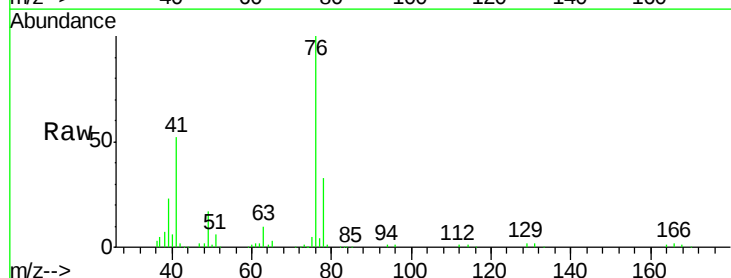
Acq: 20 Feb 2018 14:17

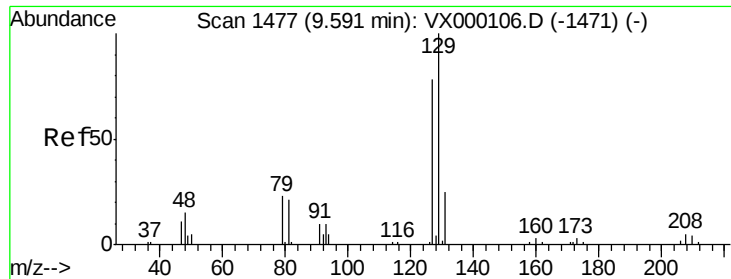
Tgt Ion: 76 Resp: 101026

Ion Ratio Lower Upper

76 100

78 31.9 0.0 65.0

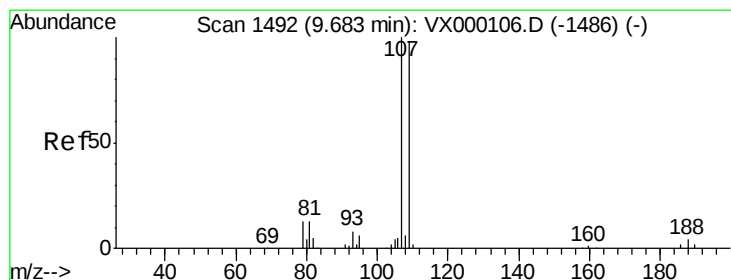
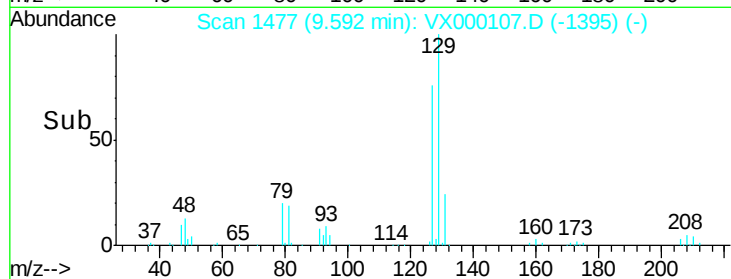
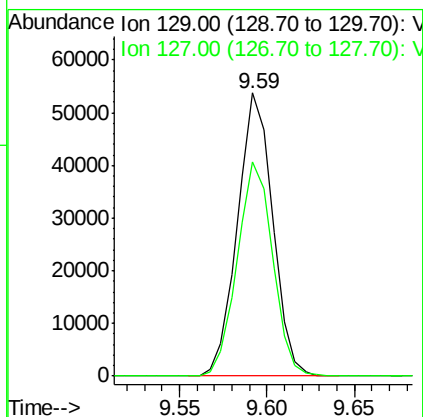
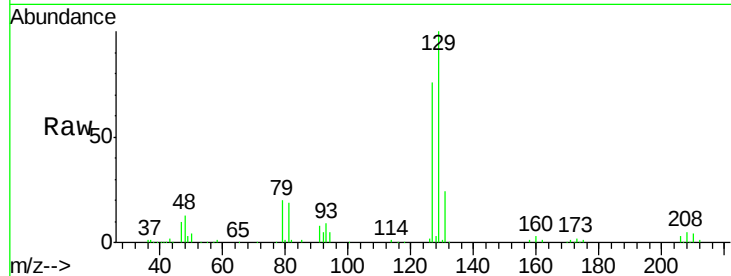




#53
 Dibromochloromethane
 Concen: 54.51 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

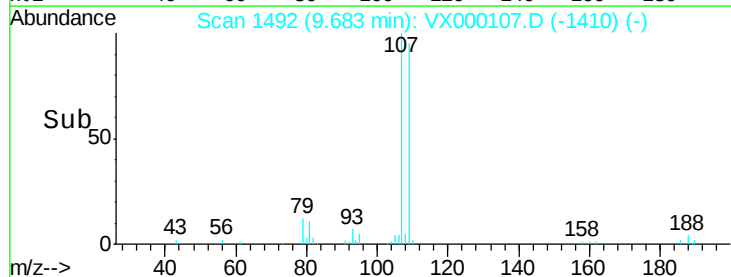
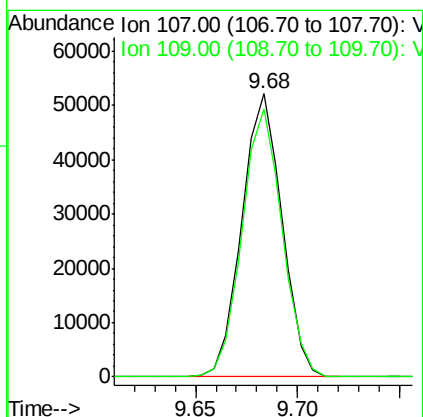
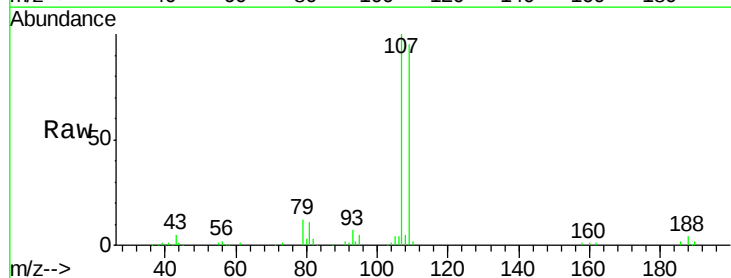
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

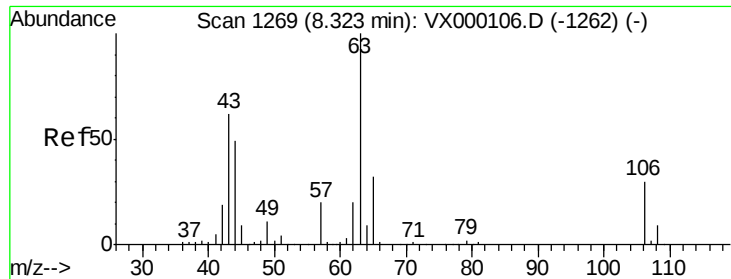
Tgt Ion:129 Resp: 75598
 Ion Ratio Lower Upper
 129 100
 127 76.2 37.5 112.5



#54
 1,2-Dibromoethane
 Concen: 51.12 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:107 Resp: 71295
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.5 111.7

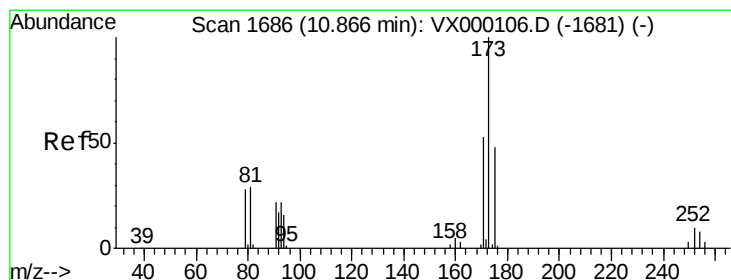
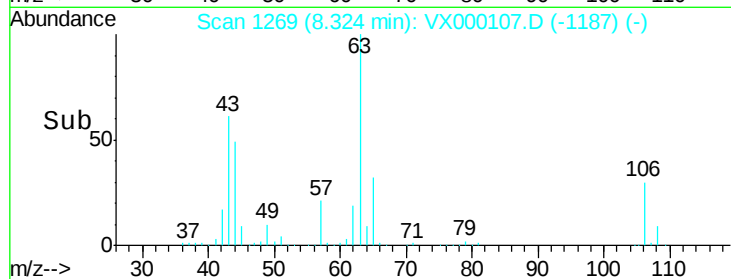
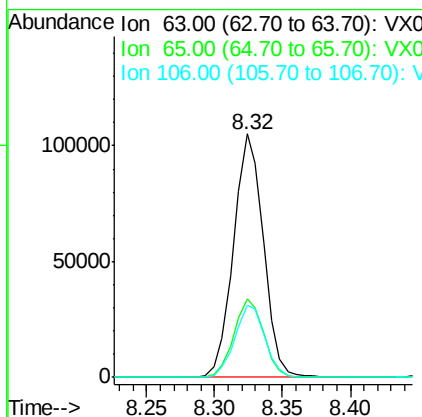
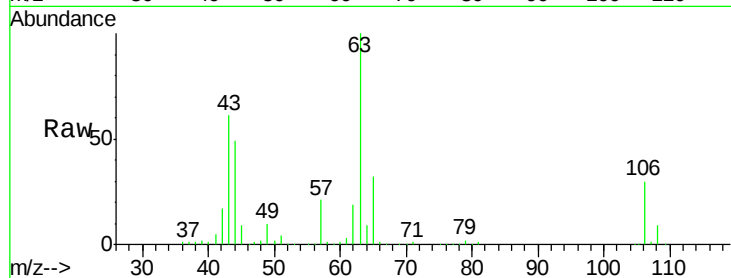




#55
2-Chloroethyl vinyl ether
Concen: 168.38 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

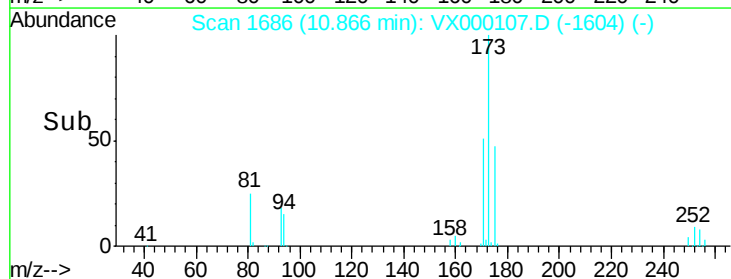
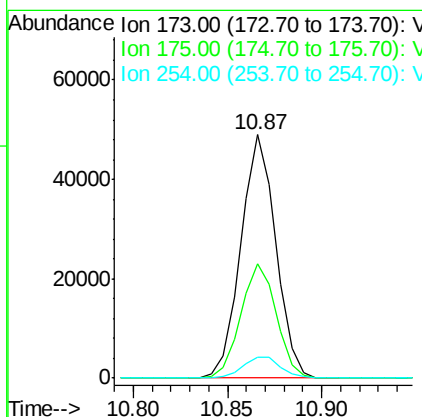
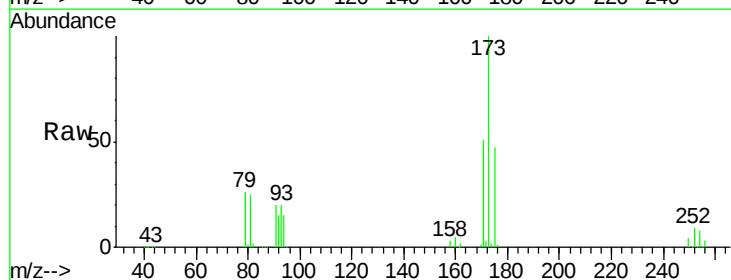
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

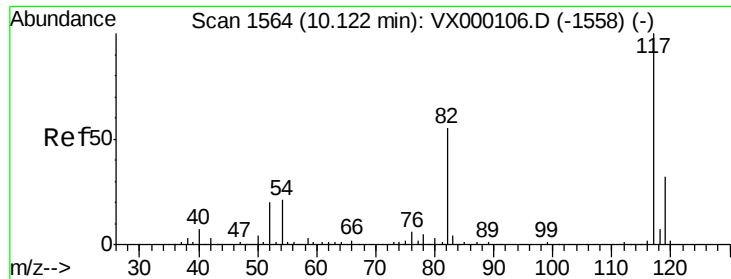
Tgt Ion: 63 Resp: 160080
Ion Ratio Lower Upper
63 100
65 32.2 25.8 38.8
106 29.9 23.8 35.6



#56
Bromoform
Concen: 57.08 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 173 Resp: 62872
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.4
254 9.3 7.0 10.4

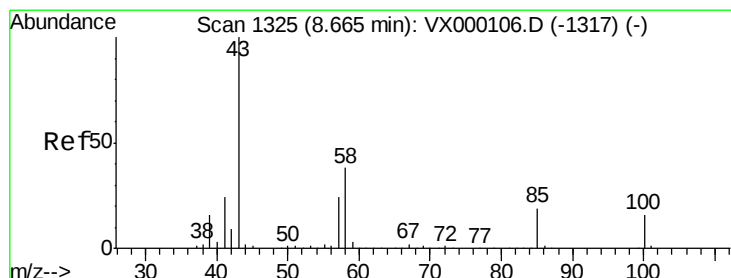
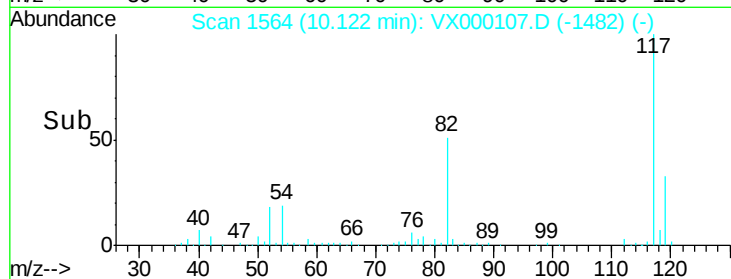
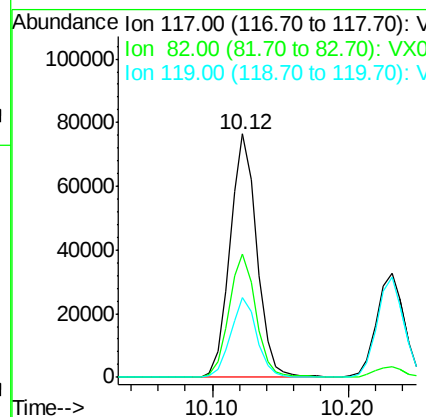
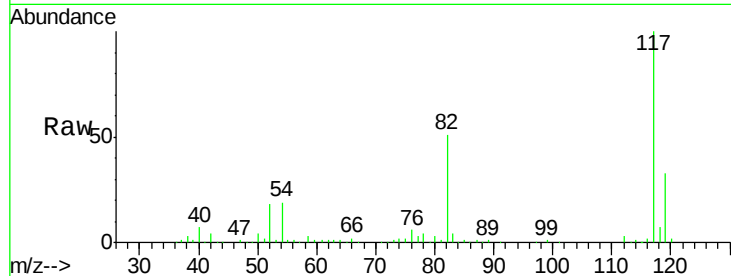




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

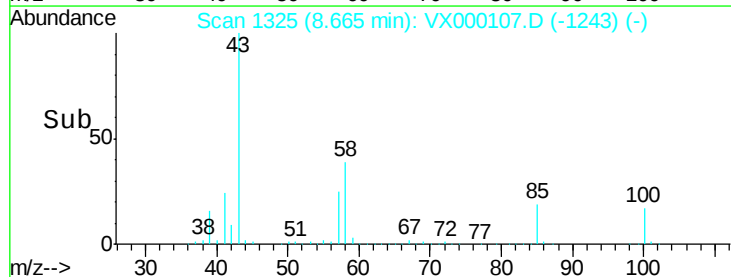
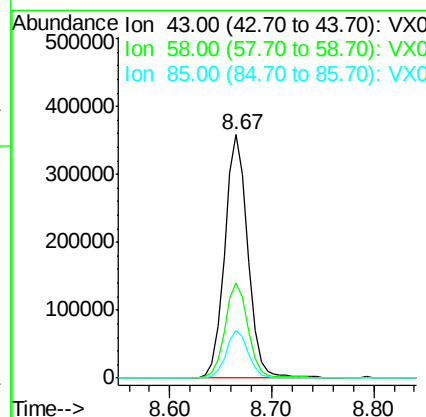
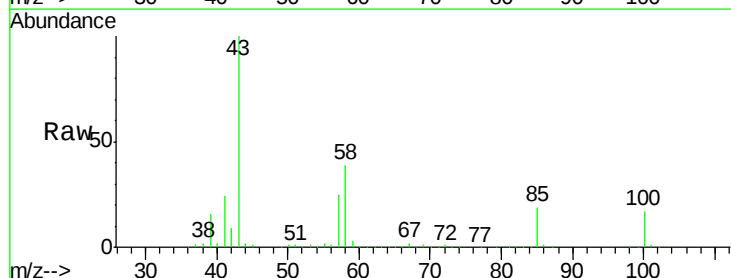
Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

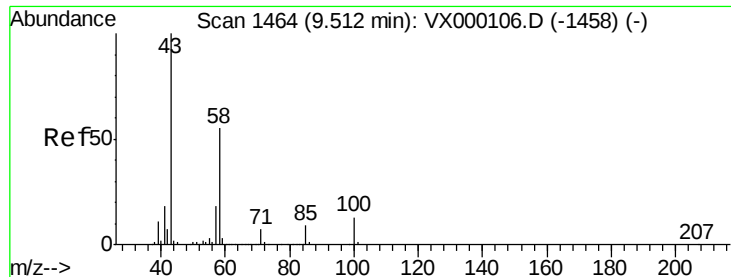
Tgt Ion: 117 Resp: 104194
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.4
119 32.1 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 240.73 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 43 Resp: 565108
Ion Ratio Lower Upper
43 100
58 38.6 29.8 44.8
85 19.2 14.9 22.3

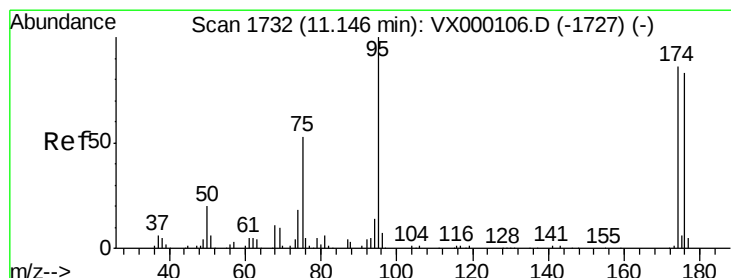
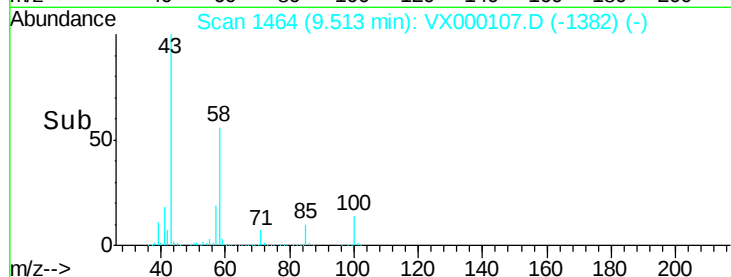
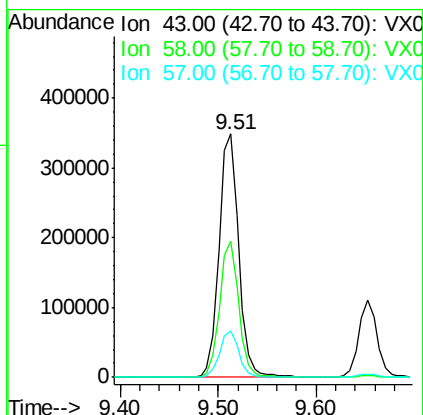
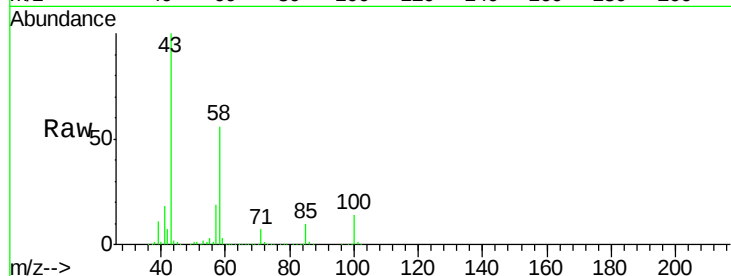




#59
2-Hexanone
Concen: 243.53 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

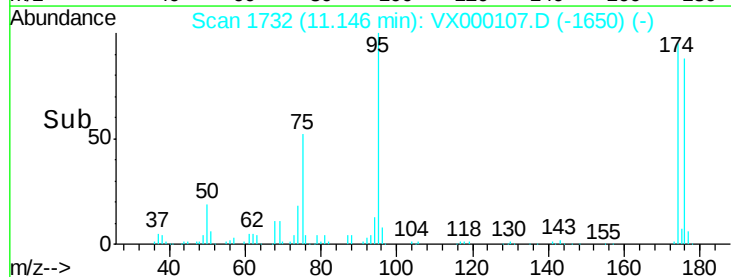
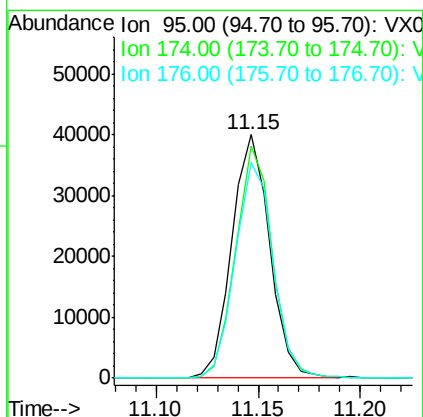
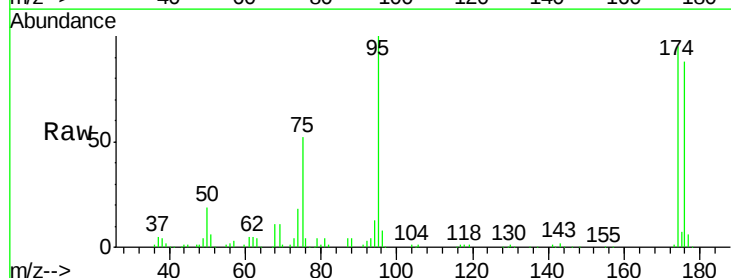
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

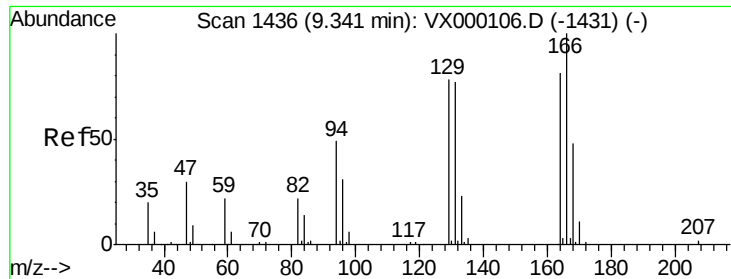
Tgt Ion: 43 Resp: 486825
Ion Ratio Lower Upper
43 100
58 54.5 43.0 64.6
57 18.8 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 30.38 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 95 Resp: 51513
Ion Ratio Lower Upper
95 100
174 92.7 71.1 106.7
176 88.8 69.3 103.9





#61

Tetrachloroethene

Concen: 50.29 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 63717

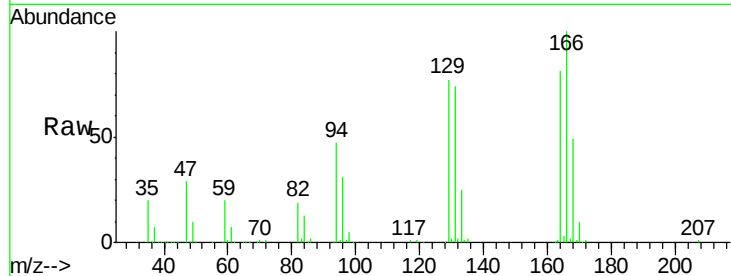
Ion Ratio Lower Upper

164 100

166 123.3 99.0 148.4

129 95.4 77.0 115.6

131 91.8 75.8 113.6

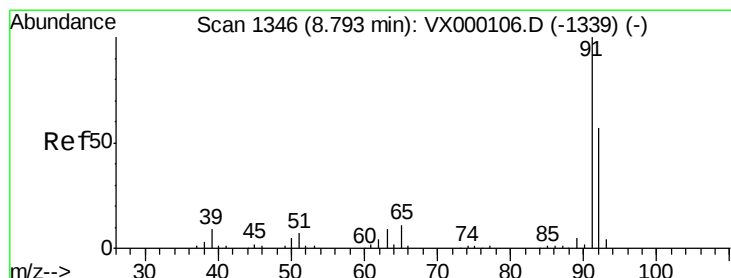
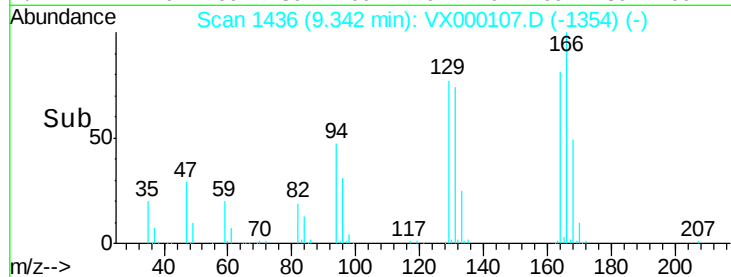
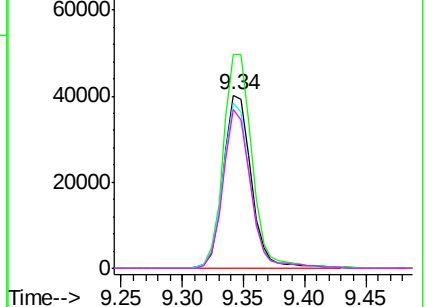


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 49.29 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000107.D

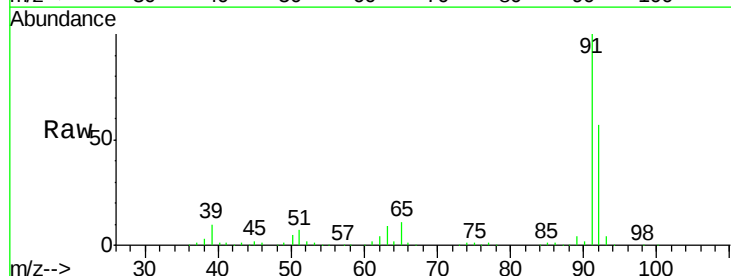
Acq: 20 Feb 2018 14:17

Tgt Ion: 91 Resp: 269944

Ion Ratio Lower Upper

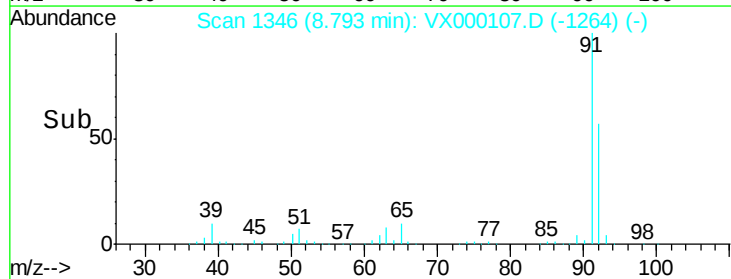
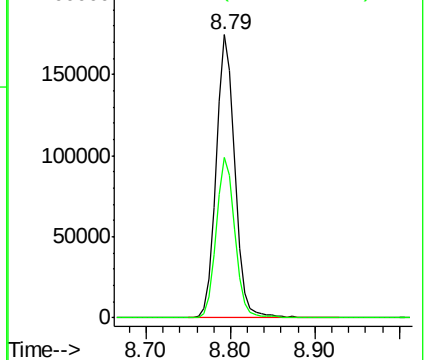
91 100

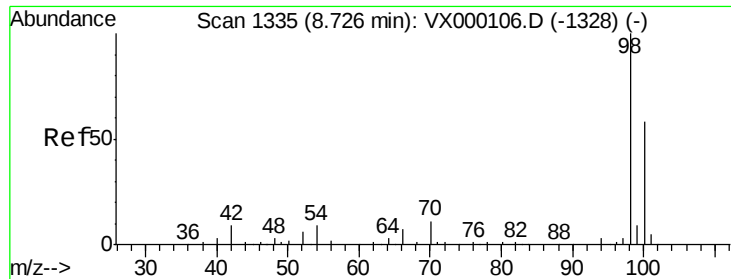
92 56.5 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

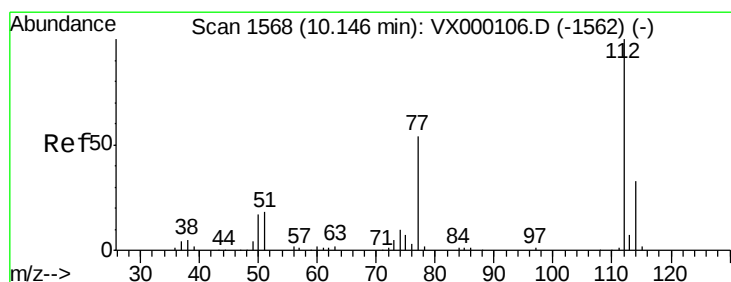
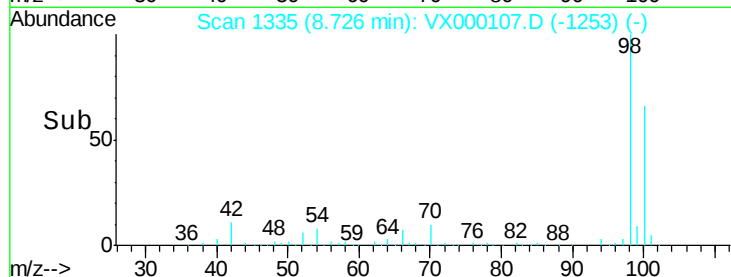
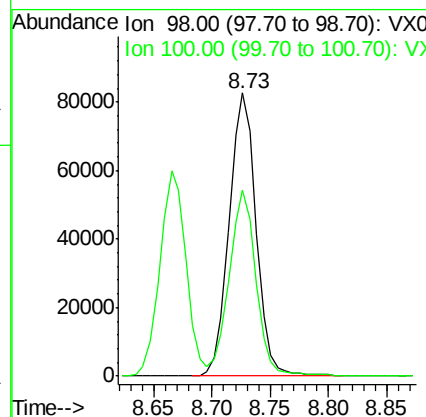
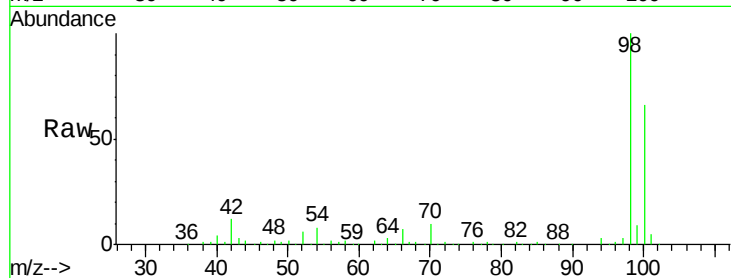




#63
Toluene-d8
Concen: 29.65 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

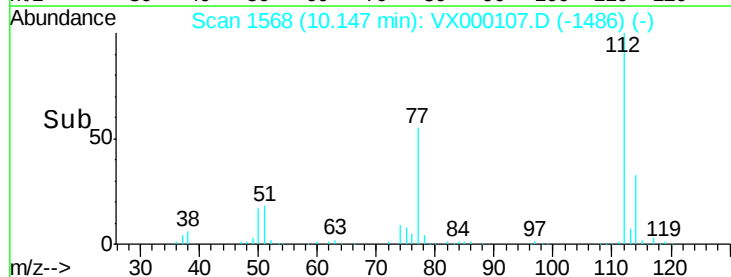
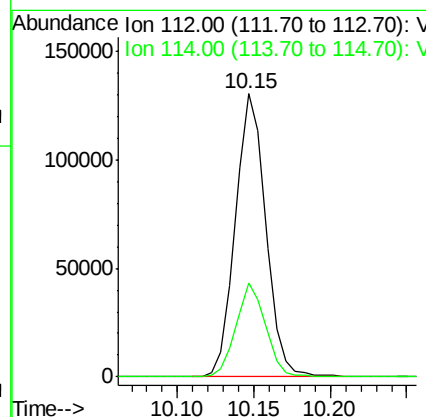
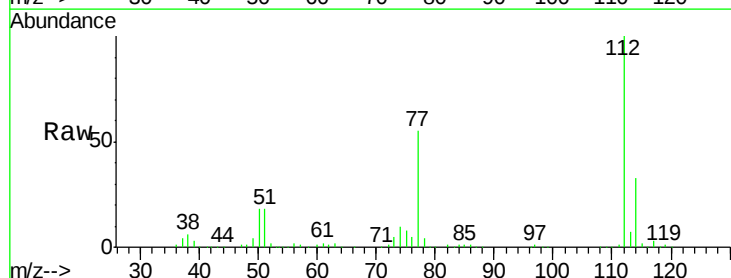
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

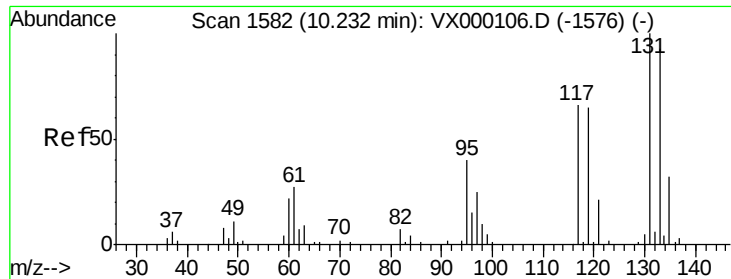
Tgt Ion: 98 Resp: 132558
Ion Ratio Lower Upper
98 100
100 63.9 50.0 75.0



#64
Chlorobenzene
Concen: 49.30 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 112 Resp: 180067
Ion Ratio Lower Upper
112 100
114 33.2 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 51.92 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

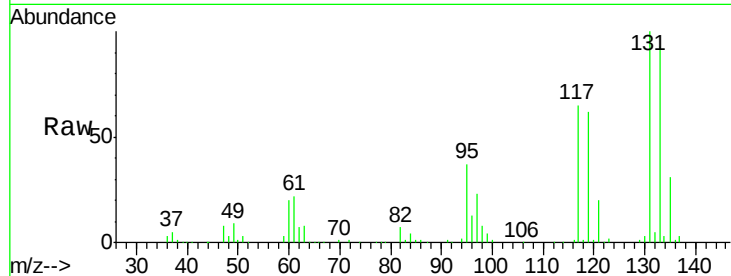
Tgt Ion:131 Resp: 67603

Ion Ratio Lower Upper

131 100

133 93.4 0.0 187.6

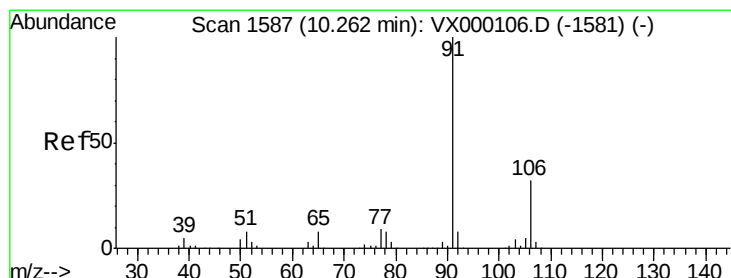
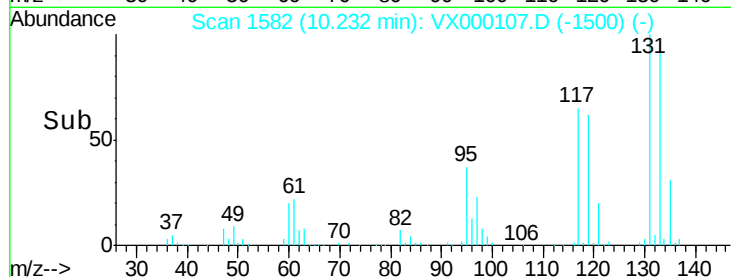
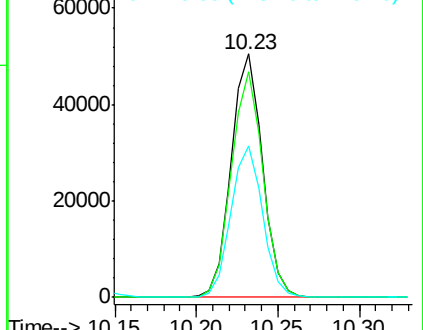
119 63.3 0.0 134.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 48.85 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000107.D

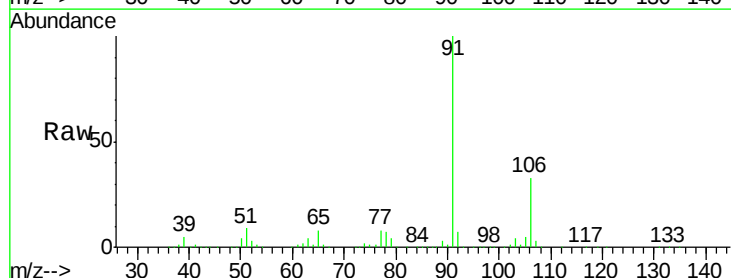
Acq: 20 Feb 2018 14:17

Tgt Ion: 91 Resp: 307262

Ion Ratio Lower Upper

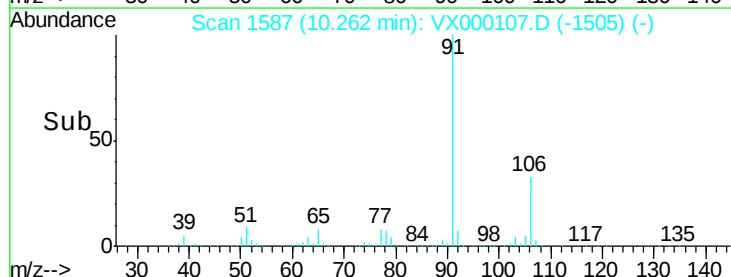
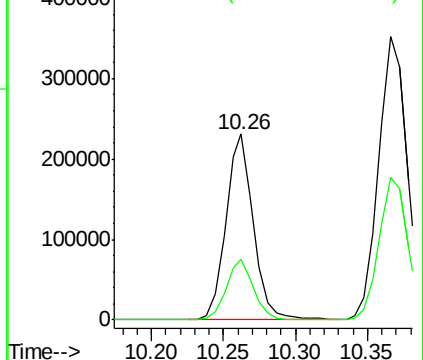
91 100

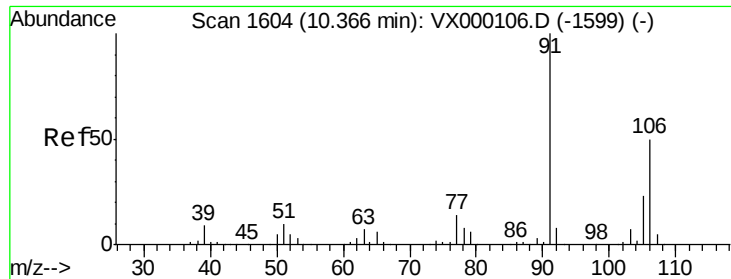
106 32.7 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

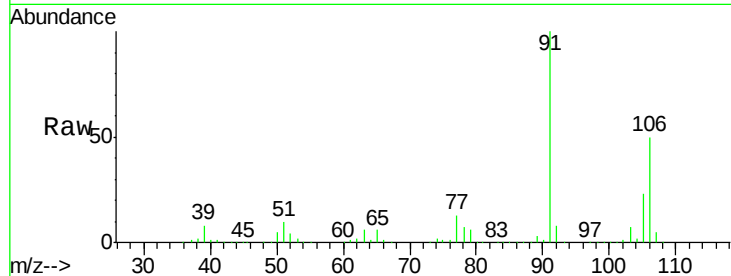




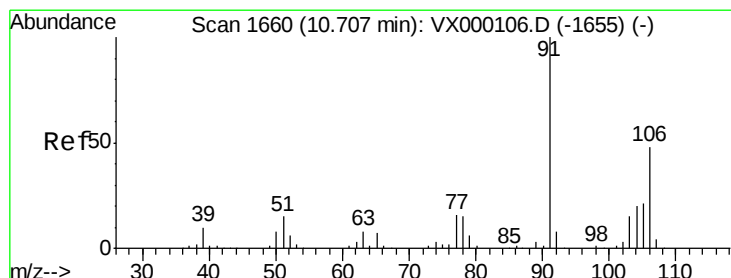
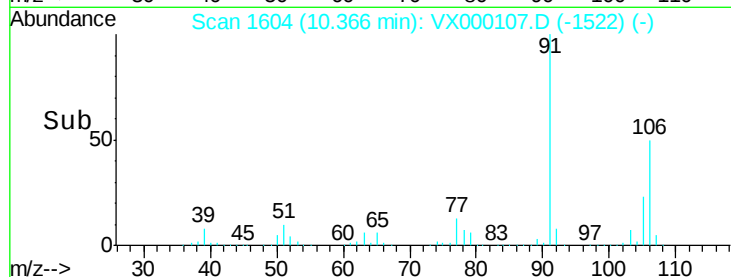
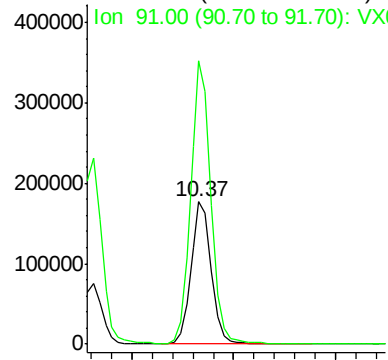
#67
m/p-Xylenes
Concen: 102.31 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 246859
Ion Ratio Lower Upper
106 100
91 197.5 161.6 242.4

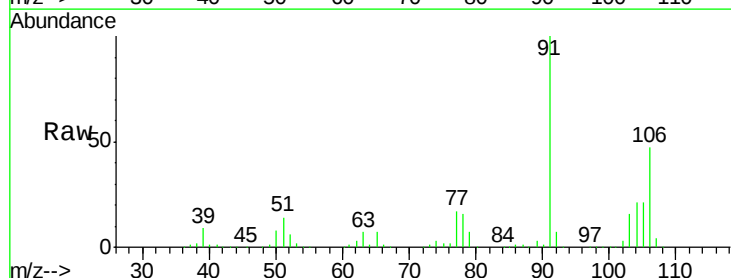


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

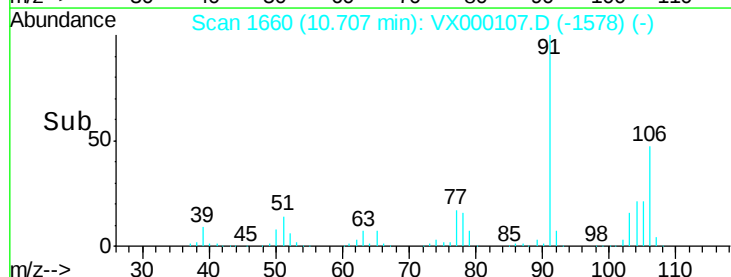
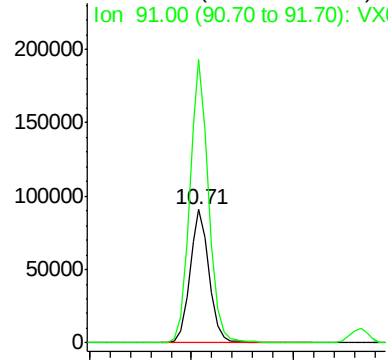


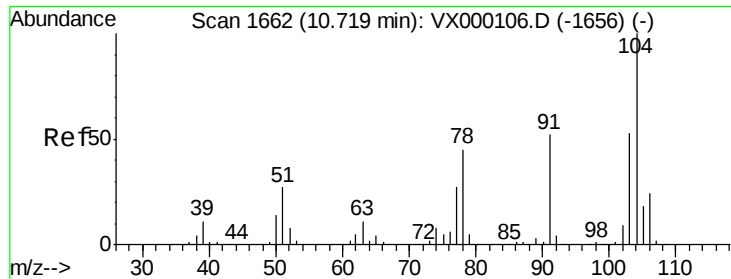
#68
o-Xylene
Concen: 50.30 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:106 Resp: 119800
Ion Ratio Lower Upper
106 100
91 209.0 105.6 316.8



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

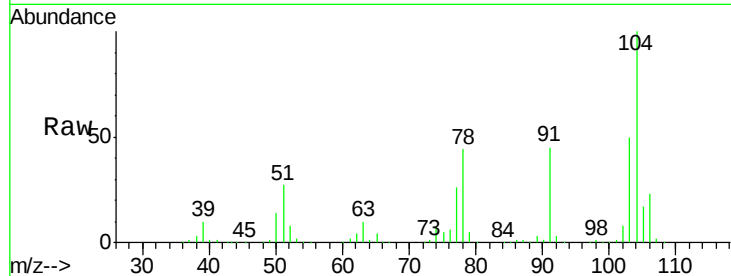




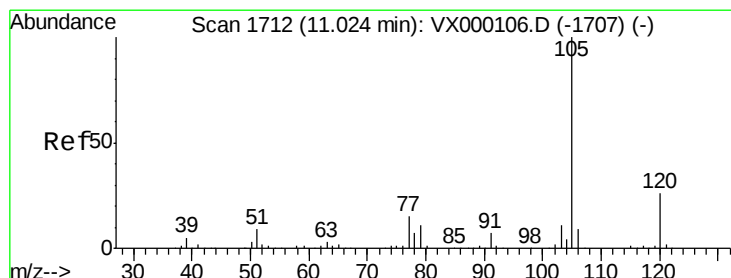
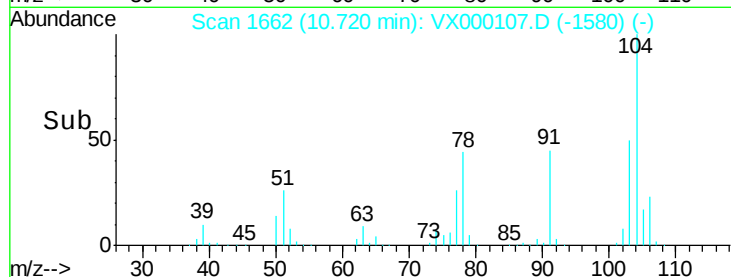
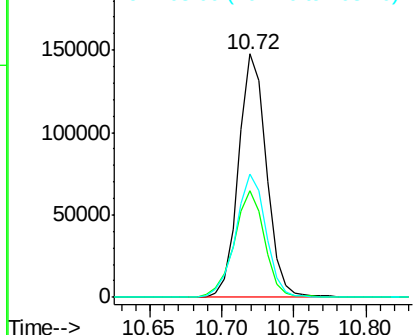
#69
Styrene
Concen: 50.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:104 Resp: 198958
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 55.2 44.7 67.1

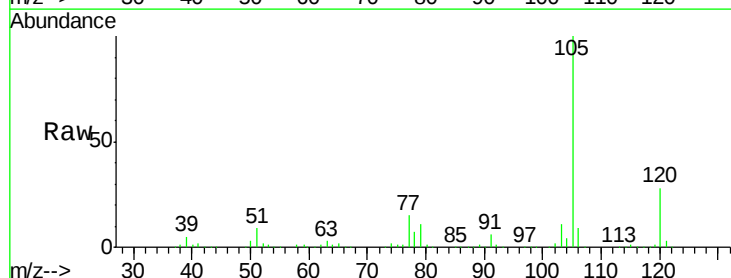


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

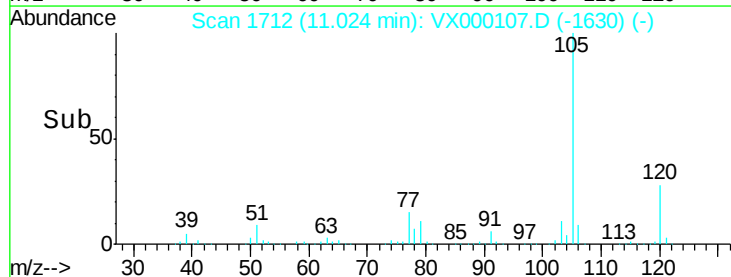
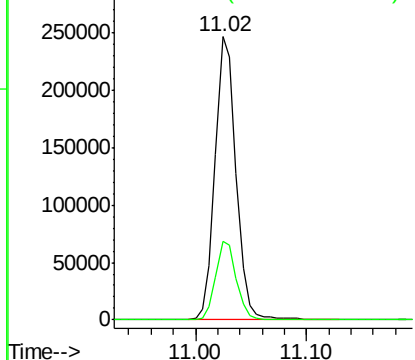


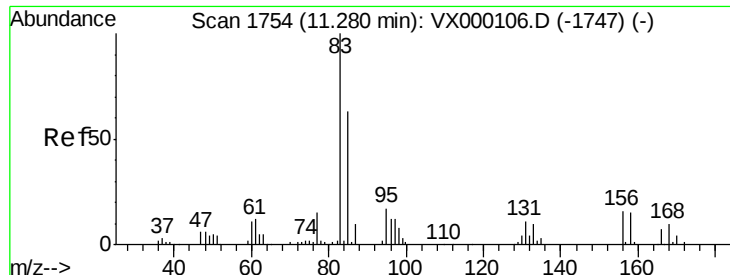
#70
Isopropylbenzene
Concen: 50.08 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:105 Resp: 321962
Ion Ratio Lower Upper
105 100
120 27.6 18.8 35.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

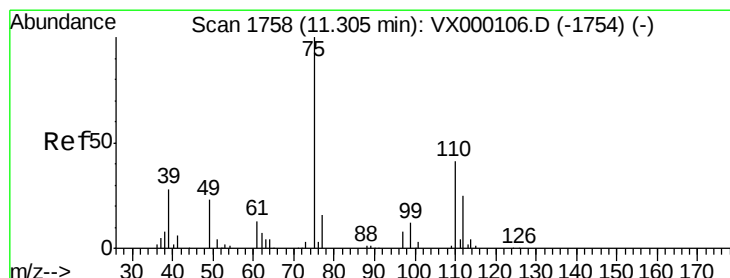
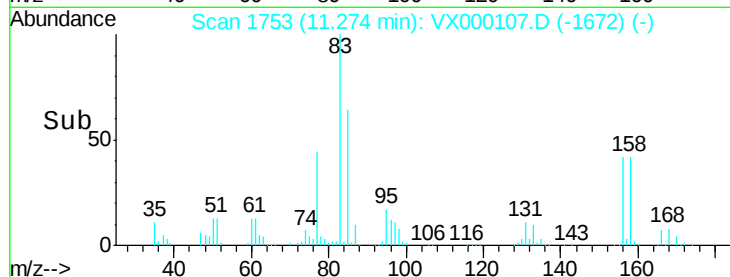
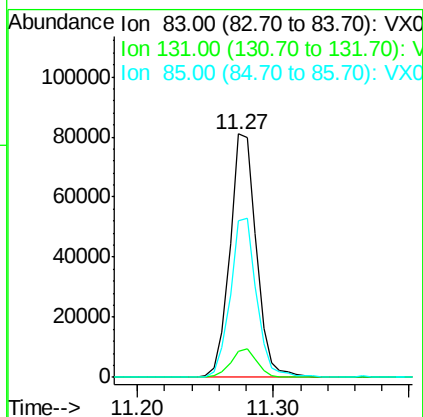
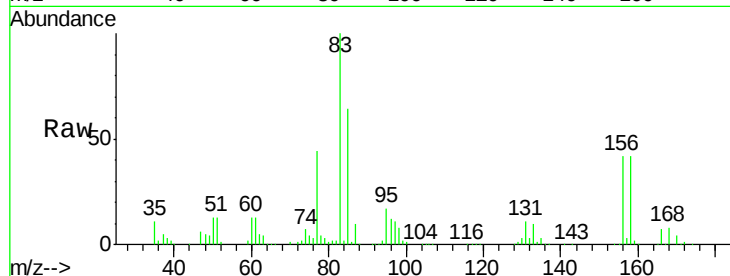




#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.32 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

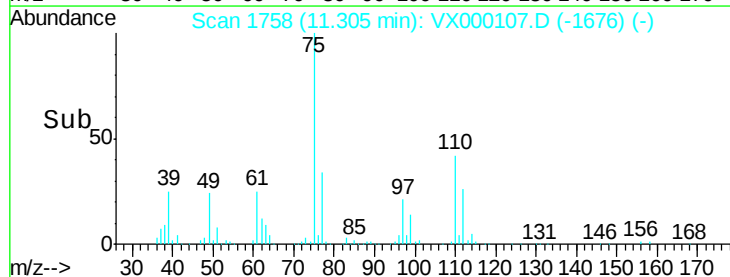
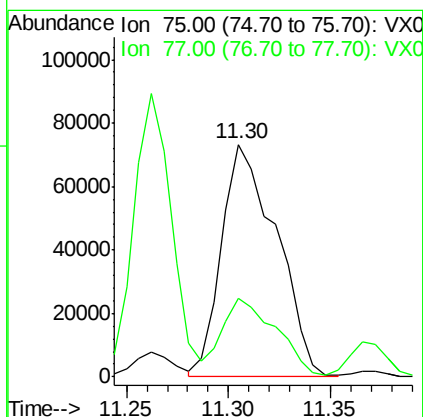
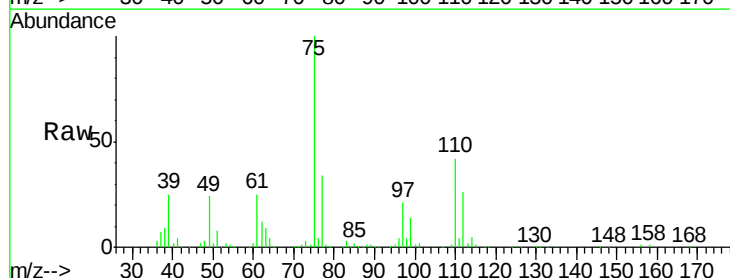
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

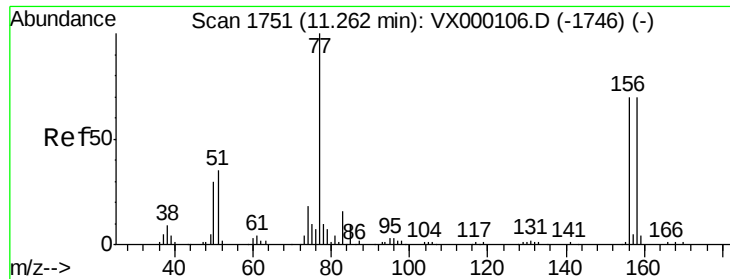
Tgt Ion: 83 Resp: 109373
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.3 16.1
 85 64.7 32.5 97.5



#72
 1,2,3-Trichloropropane
 Concen: 67.23 ug/l
 RT: 11.30 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 75 Resp: 136958
 Ion Ratio Lower Upper
 75 100
 77 33.3 0.0 85.8

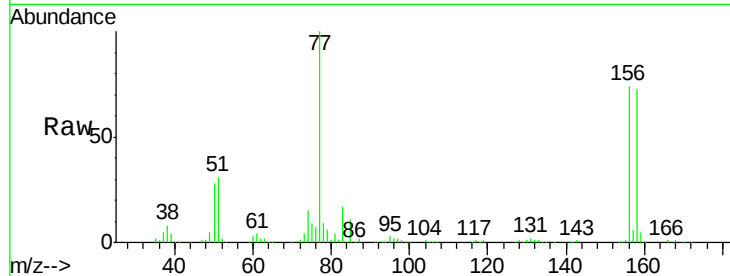




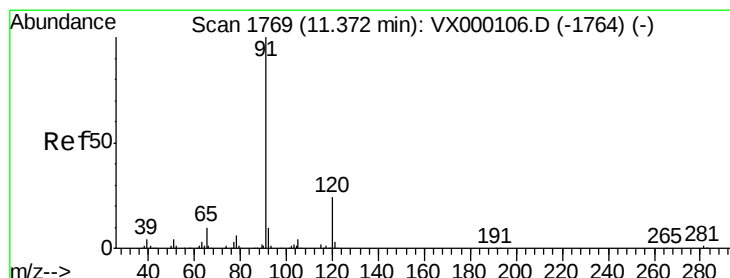
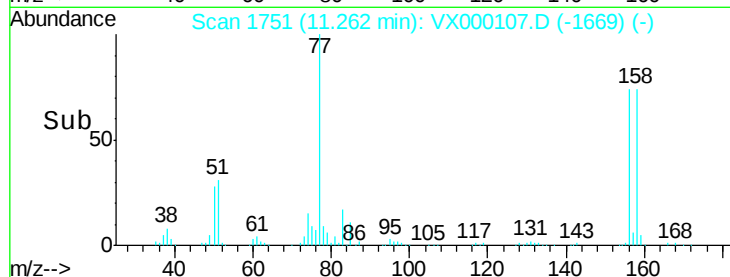
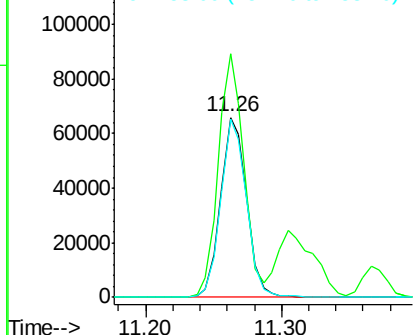
#73
Bromobenzene
Concen: 52.47 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:156 Resp: 87178
Ion Ratio Lower Upper
156 100
77 132.7 0.0 280.2
158 97.7 0.0 197.2

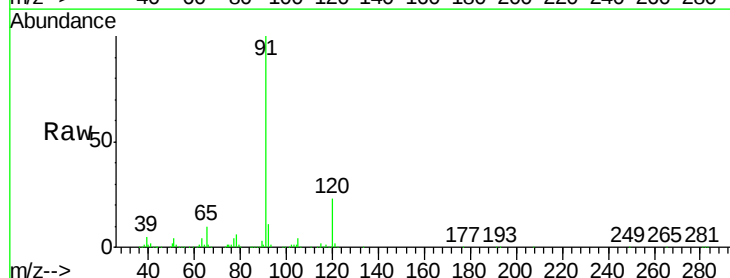


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V

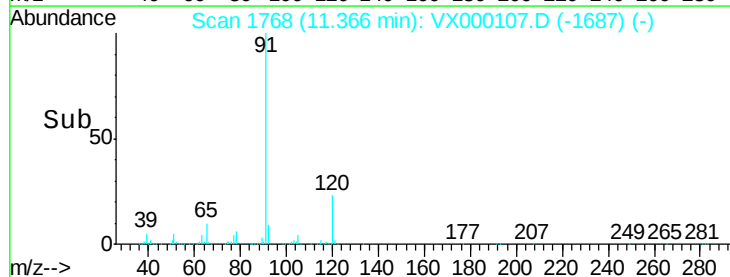
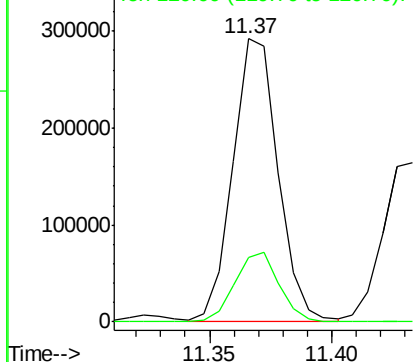


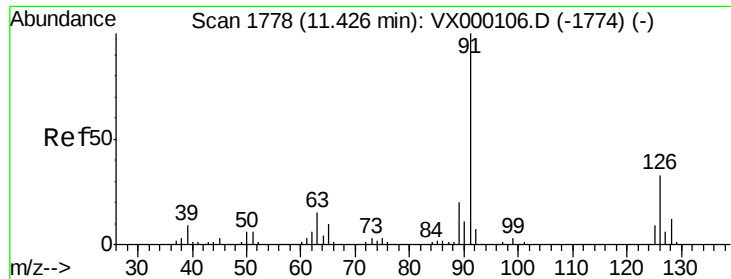
#74
n-propylbenzene
Concen: 49.87 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.01 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 91 Resp: 375623
Ion Ratio Lower Upper
91 100
120 24.4 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 49.07 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

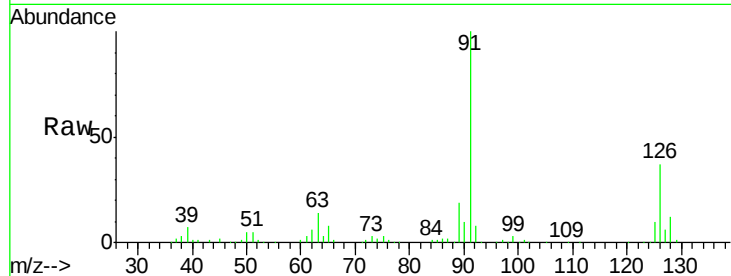
VSTDIC050

Tgt Ion: 91 Resp: 215930

Ion Ratio Lower Upper

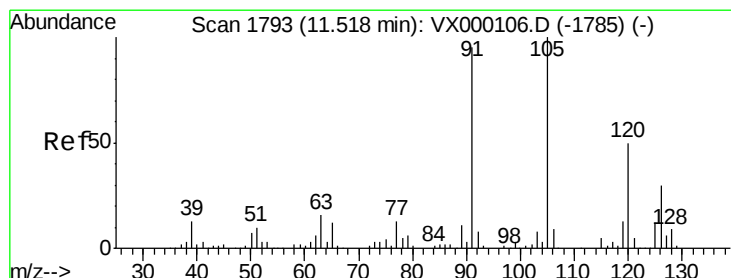
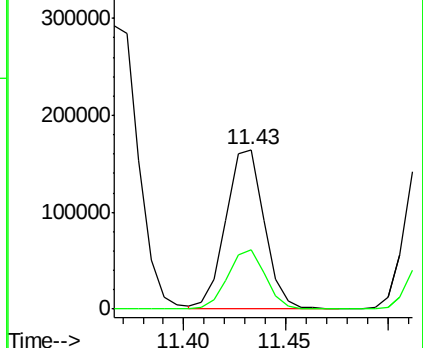
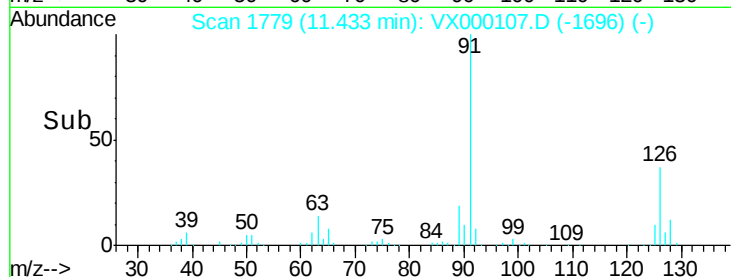
91 100

126 36.4 0.0 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 50.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000107.D

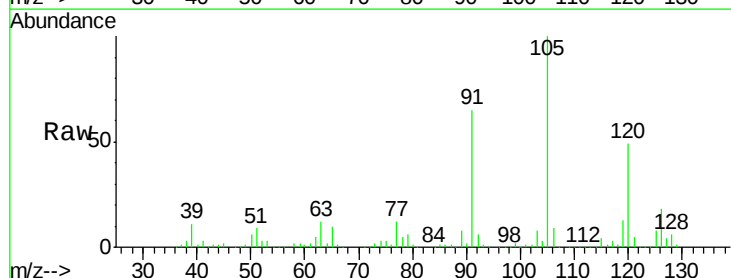
Acq: 20 Feb 2018 14:17

Tgt Ion: 105 Resp: 274596

Ion Ratio Lower Upper

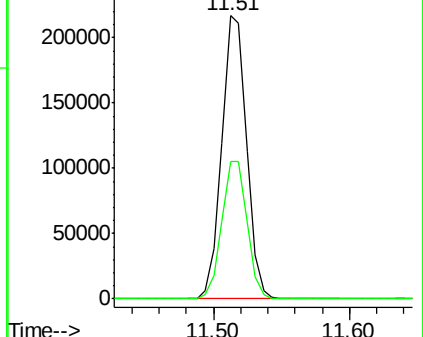
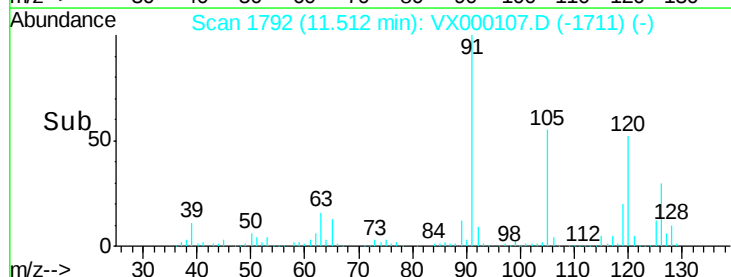
105 100

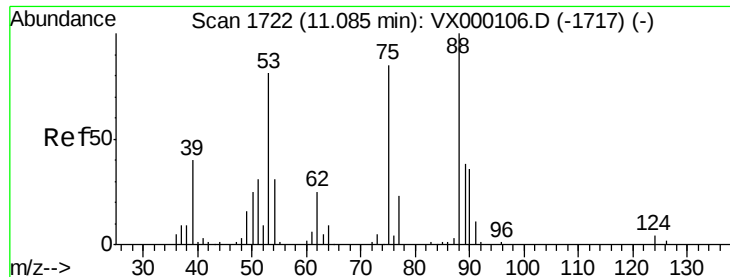
120 49.6 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



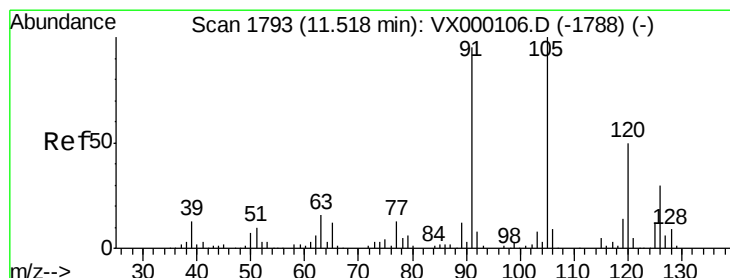
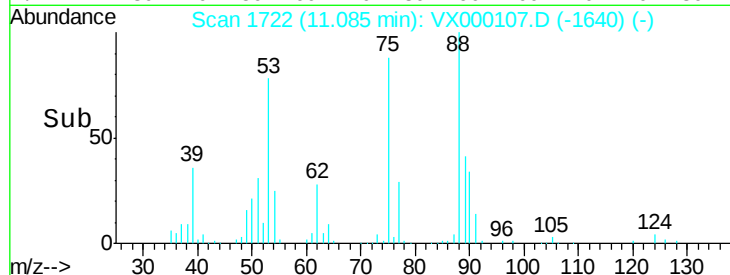
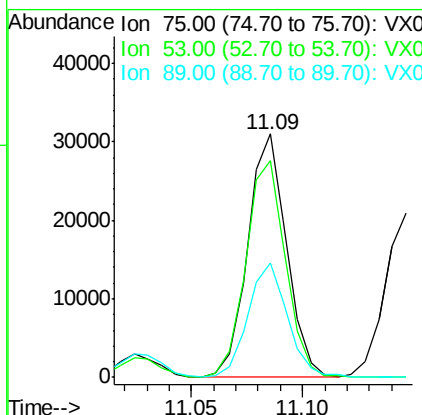
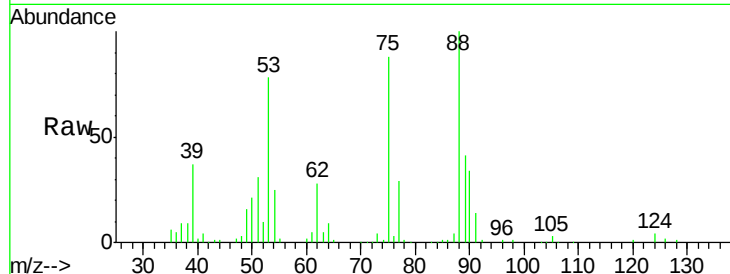


#77
t-1,4-Dichloro-2-butene
Concen: 52.88 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 37595

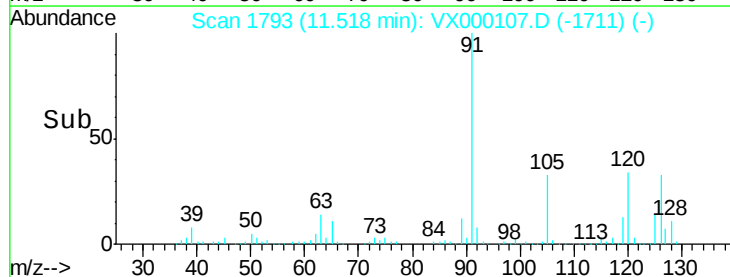
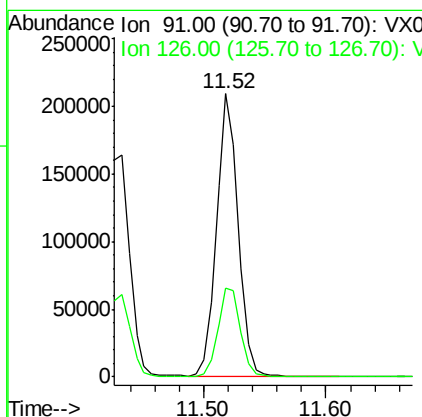
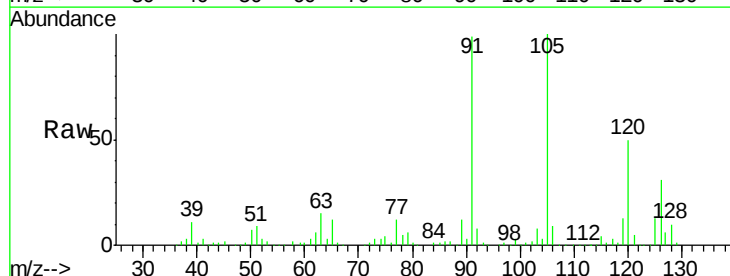
Ion	Ratio	Lower	Upper
75	100		
53	88.7	47.8	143.3
89	46.7	22.3	66.8

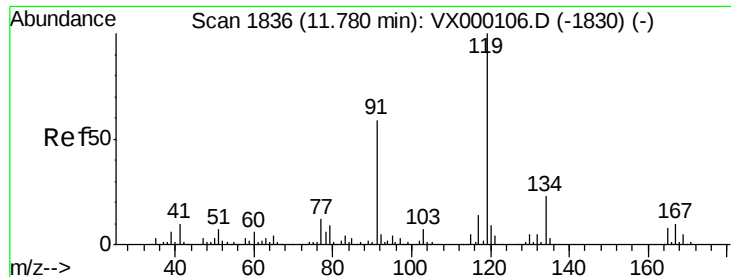


#78
4-Chlorotoluene
Concen: 49.92 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 91 Resp: 258972

Ion	Ratio	Lower	Upper
91	100		
126	32.8	0.0	63.4

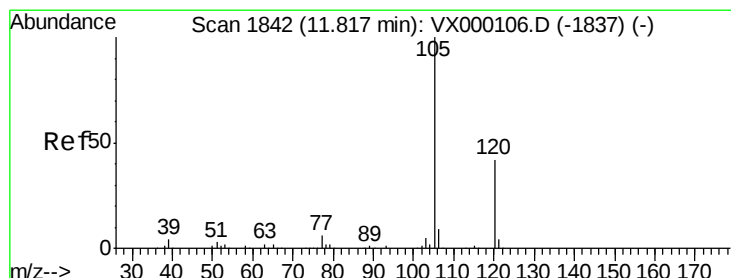
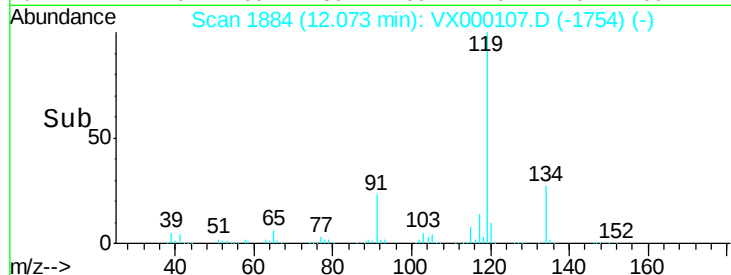
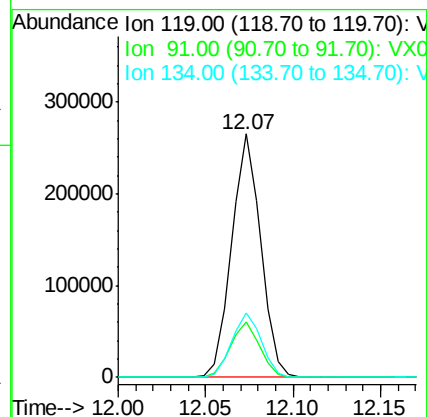
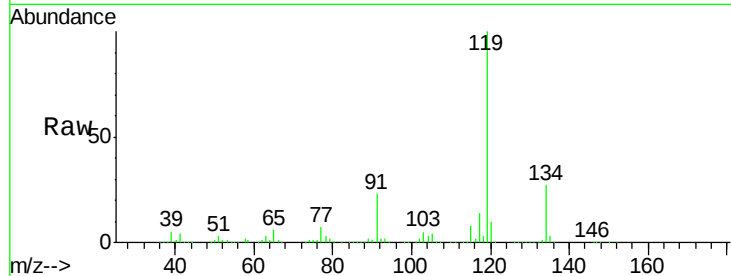




#79
tert-butylbenzene
Concen: 56.15 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.29 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

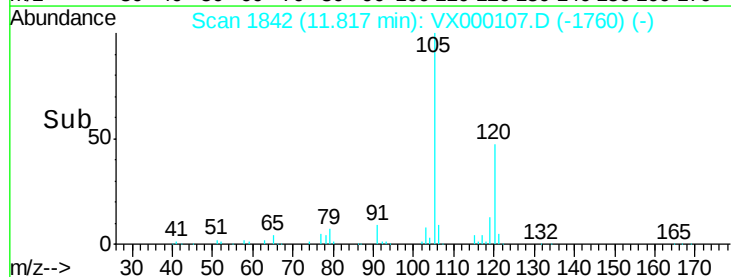
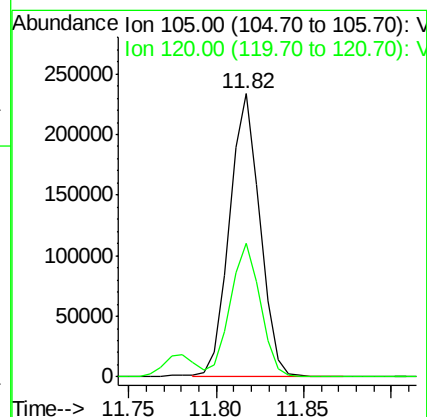
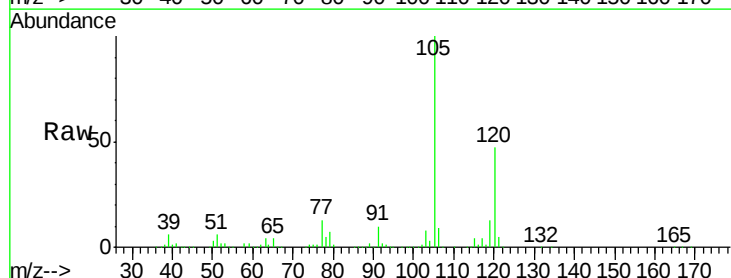
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

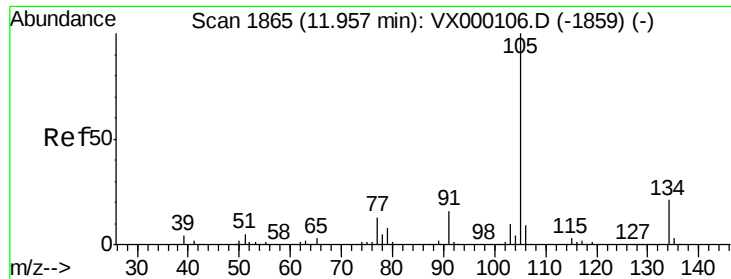
Tgt Ion:119 Resp: 306476
Ion Ratio Lower Upper
119 100
91 23.0 0.0 51.6
134 27.0 0.0 60.2



#80
1,2,4-Trimethylbenzene
Concen: 50.04 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:105 Resp: 281577
Ion Ratio Lower Upper
105 100
120 46.7 0.0 93.0

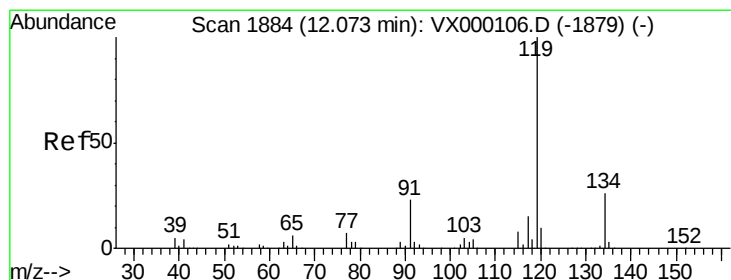
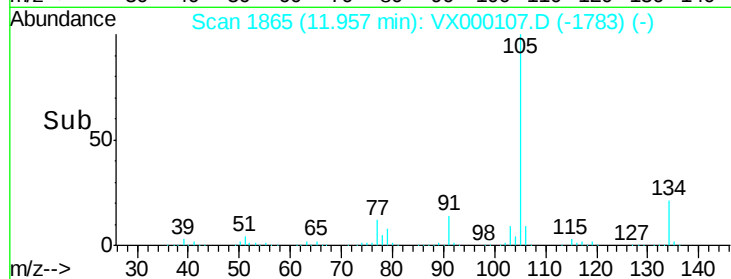
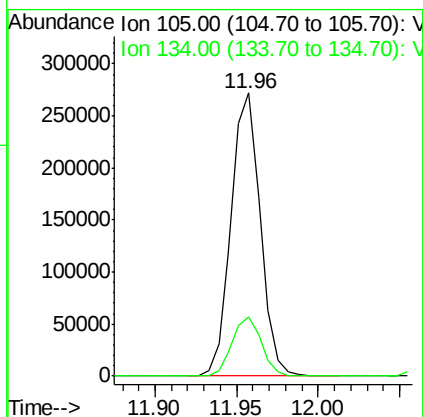
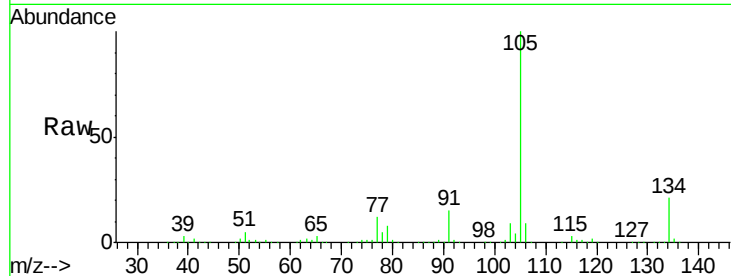




#81
 sec-Butylbenzene
 Concen: 50.06 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

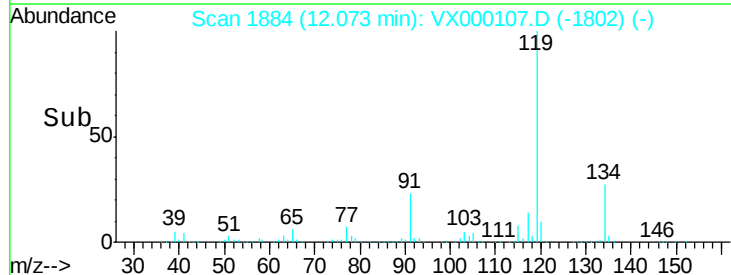
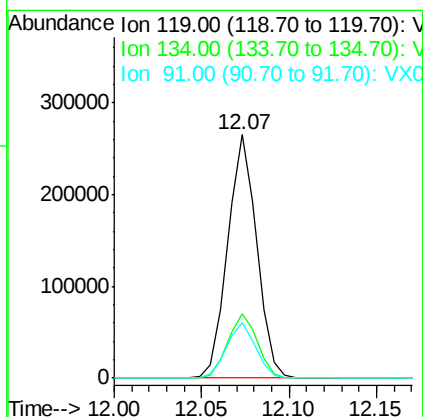
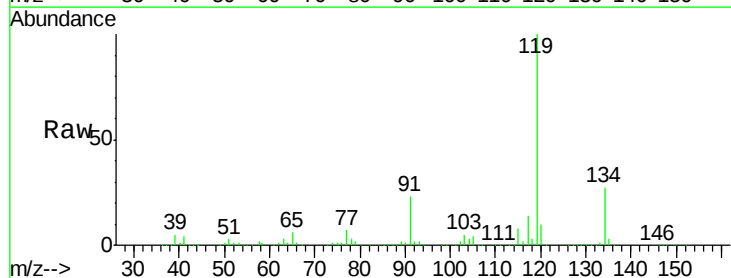
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

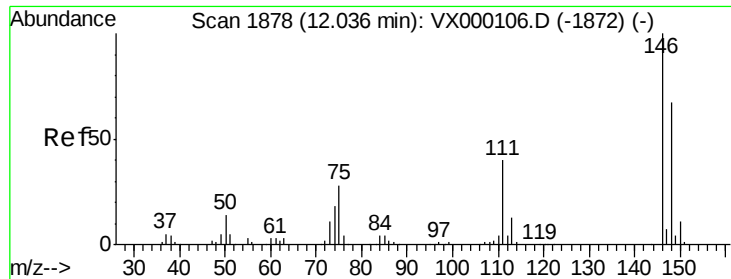
Tgt Ion:105 Resp: 338171
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 50.74 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:119 Resp: 306476
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 54.4
 91 23.0 0.0 46.6

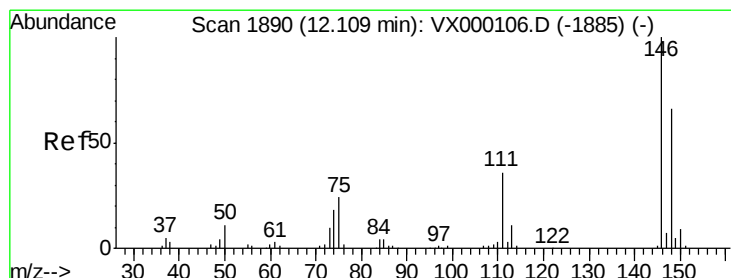
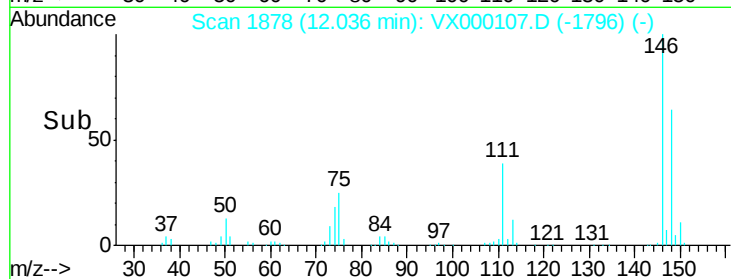
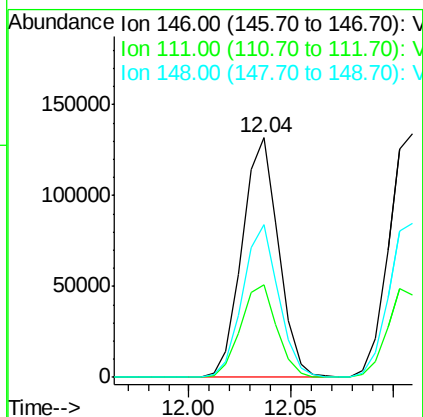
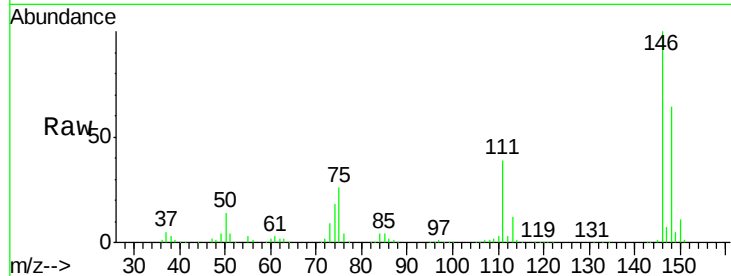




#83
 1,3-Dichlorobenzene
 Concen: 51.06 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

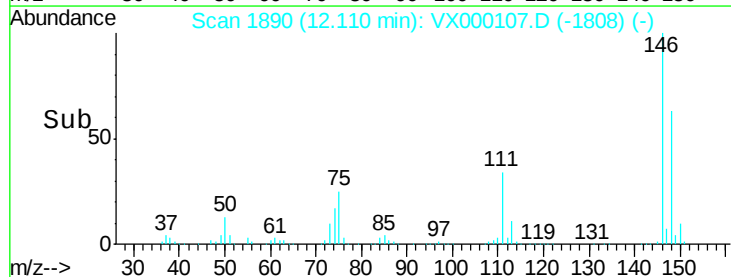
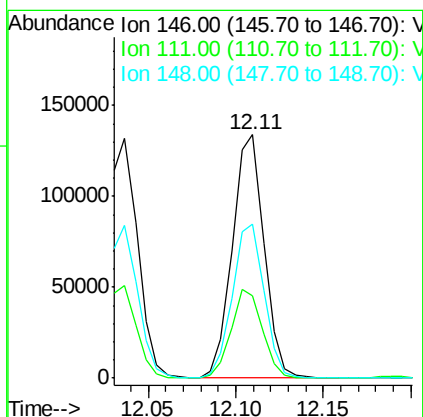
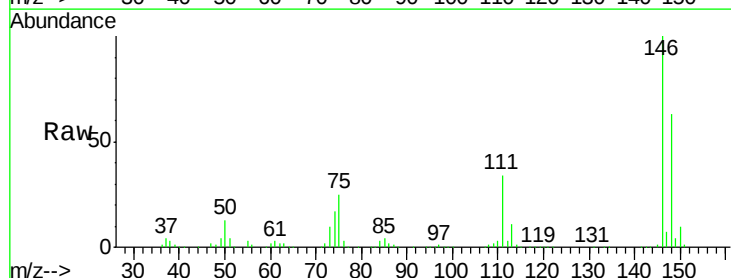
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

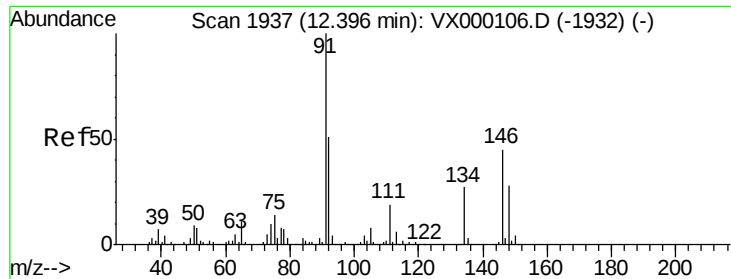
Tgt Ion:146 Resp: 163168
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.2
 148 63.0 32.6 97.7



#84
 1,4-Dichlorobenzene
 Concen: 51.38 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:146 Resp: 169034
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.0
 148 63.9 31.9 95.7

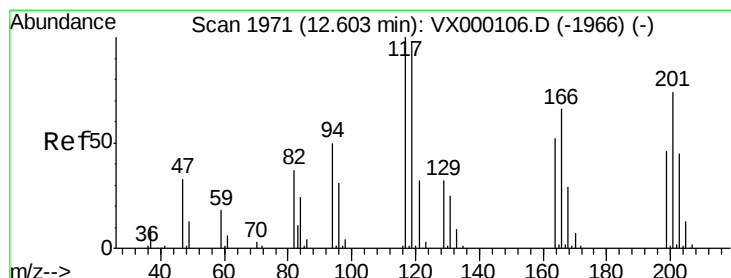
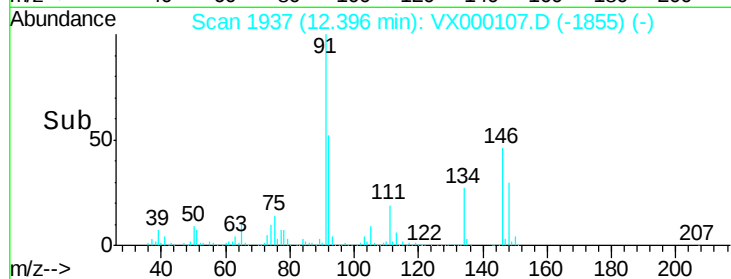
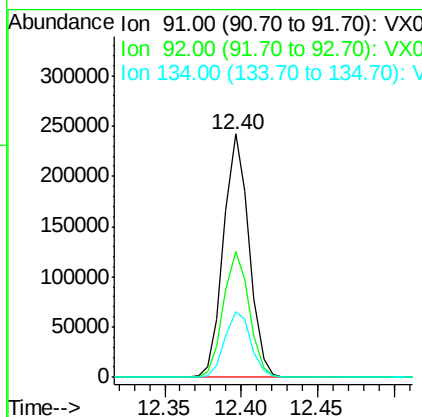
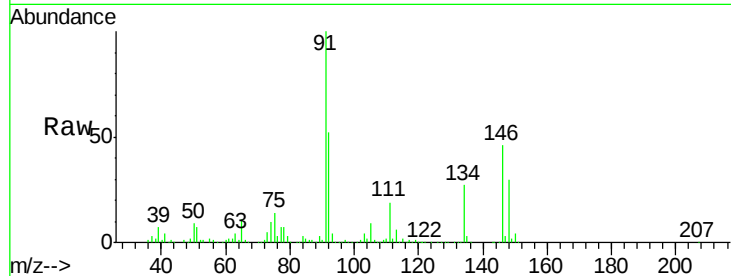




#85
n-Butylbenzene
Concen: 49.43 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

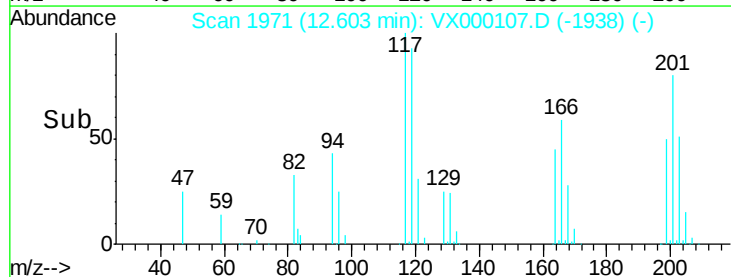
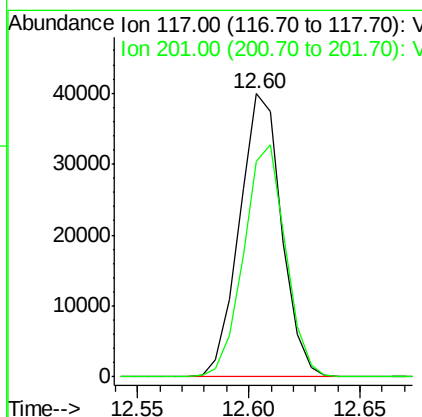
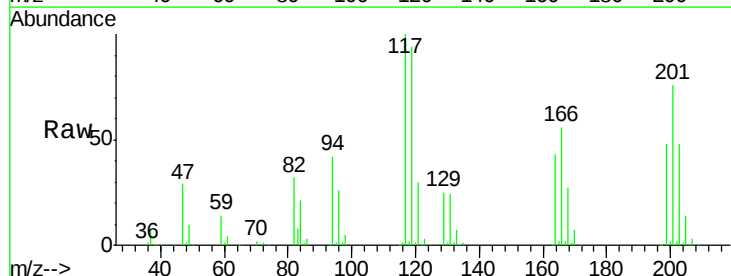
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 279113
Ion Ratio Lower Upper
91 100
92 52.2 0.0 102.0
134 27.7 0.0 54.2



#86
Hexachloroethane
Concen: 53.13 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion: 117 Resp: 52559
Ion Ratio Lower Upper
117 100
201 81.7 38.9 116.6

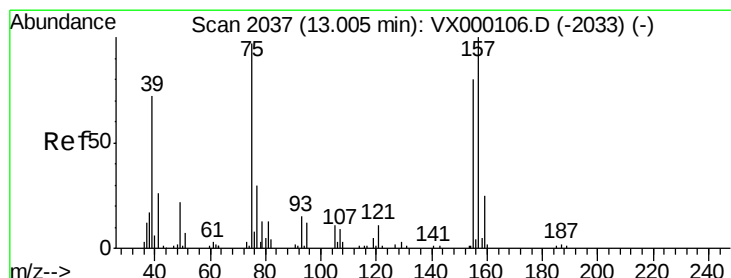
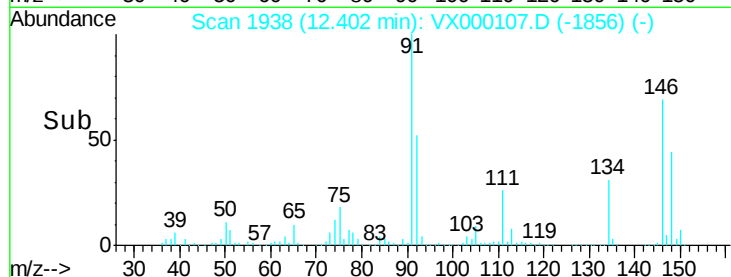
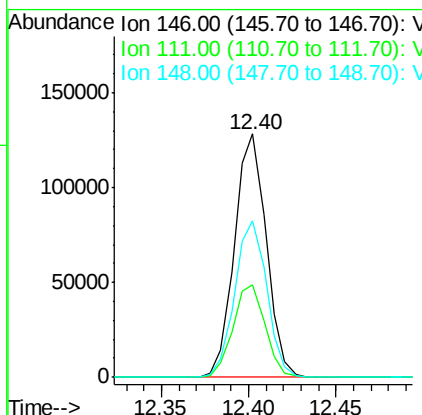
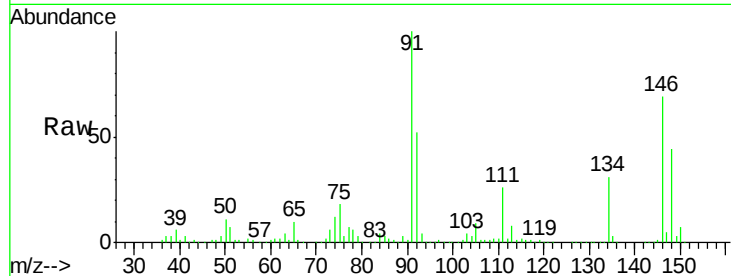




#87
 1,2-Dichlorobenzene
 Concen: 50.52 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

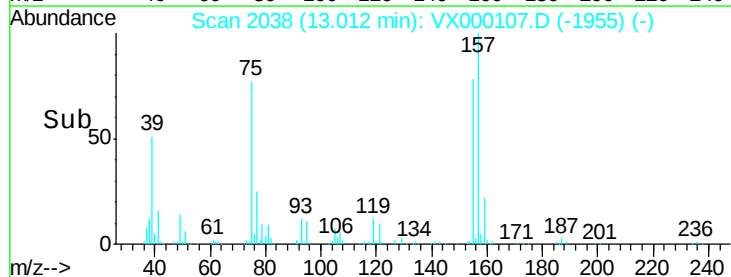
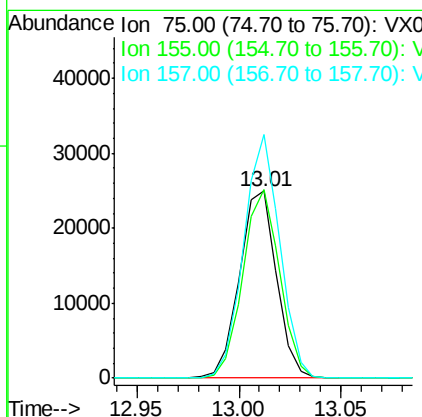
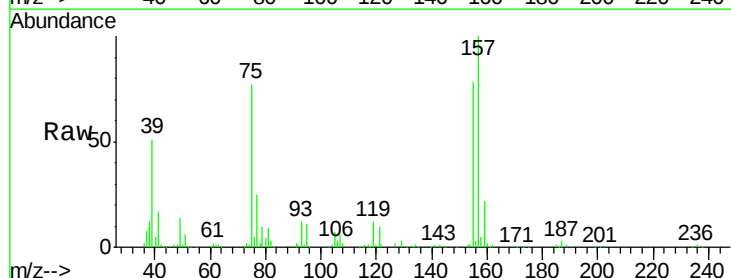
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

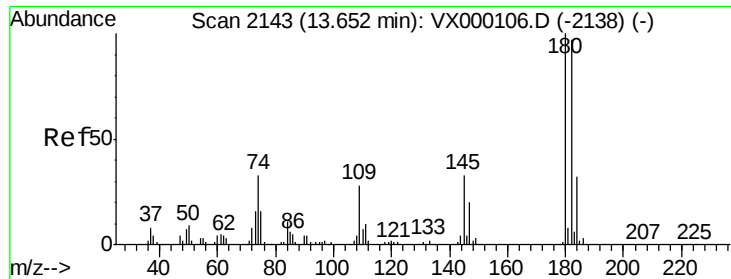
Tgt Ion:146 Resp: 161988
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.0 60.0
 148 64.7 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 51.10 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 75 Resp: 31521
 Ion Ratio Lower Upper
 75 100
 155 100.0 75.1 112.7
 157 126.8 99.0 148.4

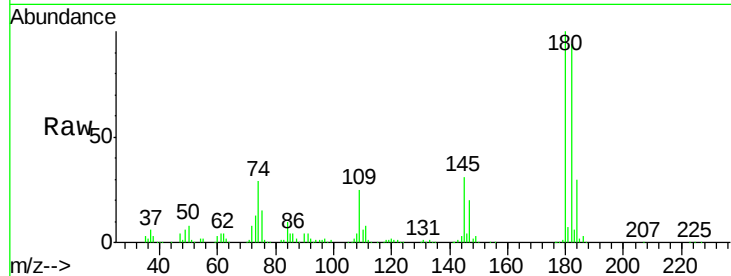




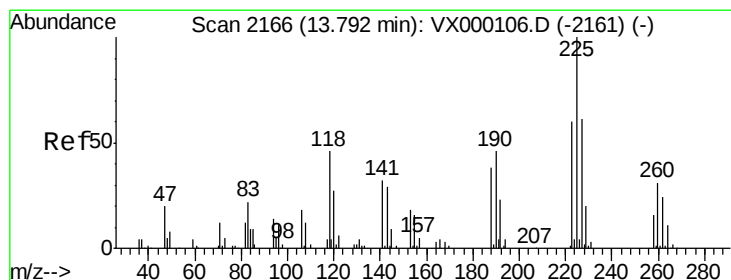
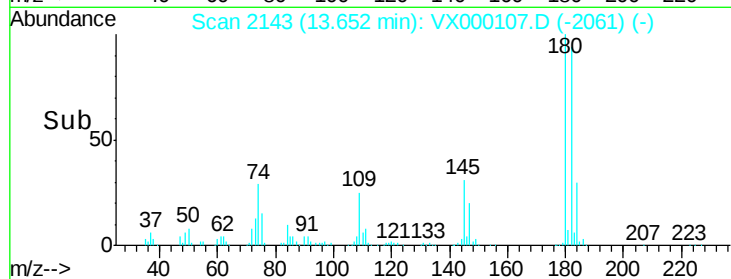
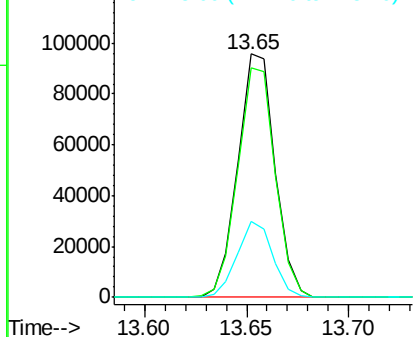
#89
 1,2,4-Trichlorobenzene
 Concen: 52.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:180 Resp: 120833
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 145 30.1 24.6 37.0

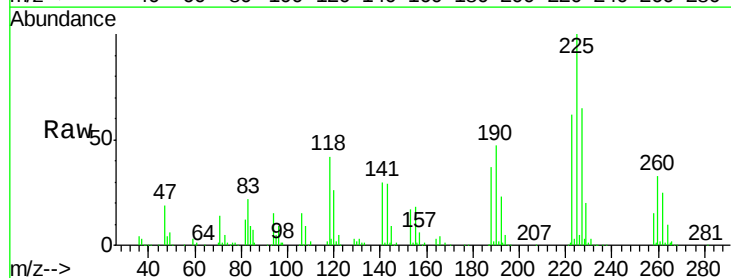


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

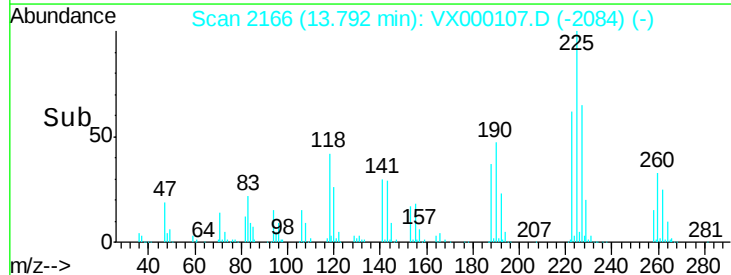
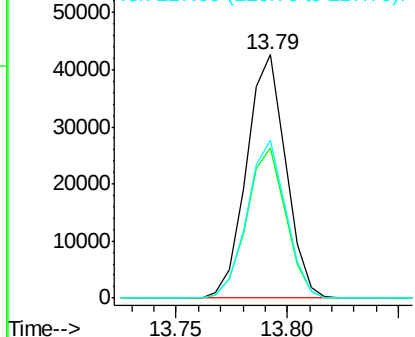


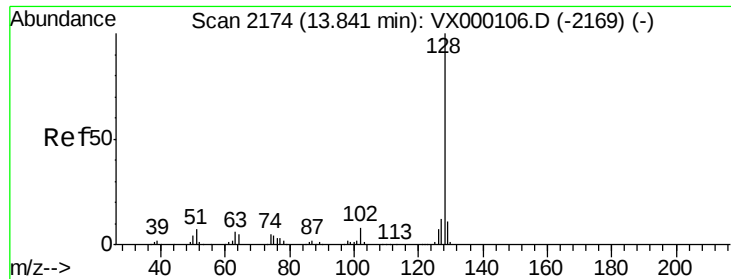
#90
 Hexachlorobutadiene
 Concen: 54.80 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:225 Resp: 52398
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 131.2
 227 64.3 0.0 127.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

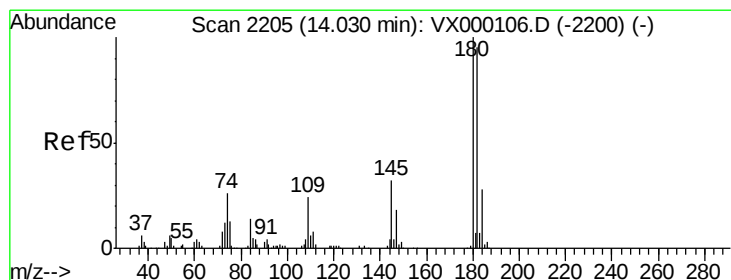
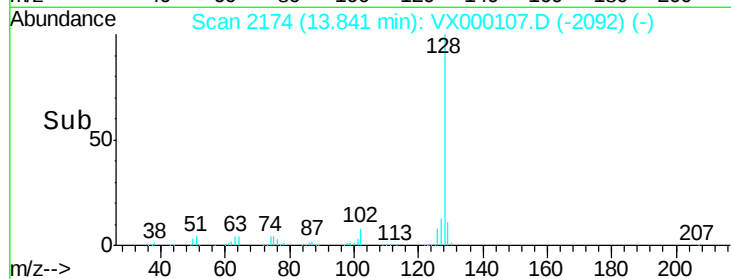
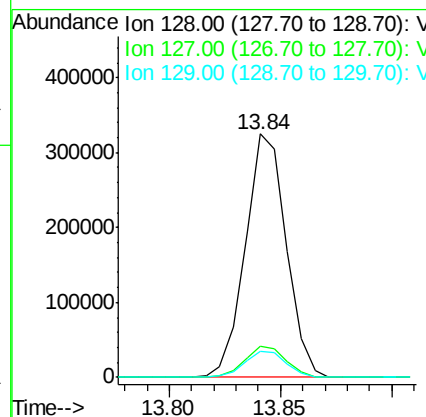
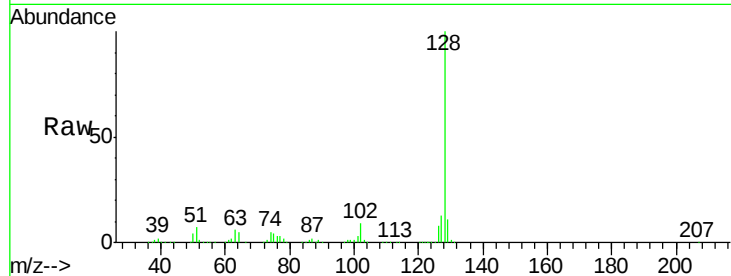




#91
Naphthalene
Concen: 50.50 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 415668
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 51.90 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:180 Resp: 121306
Ion Ratio Lower Upper
180 100
182 94.5 0.0 188.6
145 30.8 0.0 65.8

