

Data File : VX001381.D

Acq On : 04 May 2018 06:05

Operator : JC/MD

Sample : VX0503MBS02

Misc : 5.0g/10mL/100uL/5mL/MSVOA_X/MEOH

ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

Quant Time: May 04 08:28:40 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	147805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	125885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	100801	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.51	113	84472	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.72	98	311761	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	112858	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34358	21.01	ug/l	95
3) Chloromethane	1.32	50	32816	20.44	ug/l	99
4) Vinyl Chloride	1.40	62	36560	21.64	ug/l	99
5) Bromomethane	1.64	94	28485	21.70	ug/l	100
6) Chloroethane	1.72	64	23464	21.97	ug/l	98
7) Trichlorofluoromethane	1.93	101	63973	22.43	ug/l	100
8) Diethyl Ether	2.19	74	23057	23.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34769	21.14	ug/l	99
10) Methyl Iodide	2.51	142	48138	28.86	ug/l	99
11) Tert butyl alcohol	3.09	59	49172	139.69	ug/l	100
12) 1,1-Dichloroethene	2.37	96	31600	21.31	ug/l	100
13) Acrolein	2.30	56	9256	45.67	ug/l	96
14) Allyl chloride	2.73	41	53641	20.68	ug/l	99
15) Acrylonitrile	3.15	53	102176	125.24	ug/l	100
16) Acetone	2.45	43	101970	116.76	ug/l	99
17) Carbon Disulfide	2.57	76	67875	17.57	ug/l	99
18) Methyl Acetate	2.79	43	58559	28.39	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	117371	23.24	ug/l	97
20) Methylene Chloride	2.86	84	36948	22.57	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	33935	21.03	ug/l	99
22) Diisopropyl ether	3.89	45	101145	20.25	ug/l	97
23) Vinyl Acetate	3.83	43	403073	95.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	65451	23.52	ug/l	100
25) 2-Butanone	4.73	43	134885	114.23	ug/l	99
26) 2,2-Dichloropropane	4.59	77	16065	7.09	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	35629	20.09	ug/l	98
28) Bromochloromethane	5.03	49	31009	24.79	ug/l	100
29) Tetrahydrofuran	5.18	42	87100	119.93	ug/l	100
30) Chloroform	5.22	83	62441	21.23	ug/l	97
31) Cyclohexane	5.57	56	47299	18.82	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	52613	20.46	ug/l	100
36) 1,1-Dichloropropene	5.80	75	42901	18.50	ug/l	99
37) Ethyl Acetate	4.87	43	49986	21.34	ug/l	99
38) Carbon Tetrachloride	5.79	117	46448	19.11	ug/l	97

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

Quant Time: May 04 08:28:40 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46194	16.84	ug/l	99
40) Benzene	6.15	78	133987	20.08	ug/l	98
41) Methacrylonitrile	5.07	41	28977	21.24	ug/l	99
42) 1,2-Dichloroethane	6.21	62	51067	19.77	ug/l	99
43) Isopropyl Acetate	6.48	43	77219	20.36	ug/l	99
44) Trichloroethene	7.22	130	42274	20.70	ug/l	99
45) 1,2-Dichloropropane	7.52	63	33268	19.42	ug/l	98
46) Dibromomethane	7.67	93	24758	20.61	ug/l	99
47) Bromodichloromethane	7.90	83	42867	19.96	ug/l	98
48) Methyl methacrylate	7.79	41	40482	20.08	ug/l	97
49) 1,4-Dioxane	7.76	88	18866	495.97	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	276713	113.20	ug/l	100
52) Toluene	8.79	92	86029	19.72	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	42078	16.48	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	36860	15.69	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	37086	21.05	ug/l	97
56) Ethyl methacrylate	9.19	69	50090	20.52	ug/l	99
57) 1,3-Dichloropropane	9.38	76	58900	20.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	128107	108.77	ug/l	99
59) 2-Hexanone	9.51	43	211854	110.88	ug/l	100
60) Dibromochloromethane	9.59	129	35960	19.57	ug/l	100
61) 1,2-Dibromoethane	9.68	107	39417	21.11	ug/l	99
64) Tetrachloroethene	9.34	164	57465	25.37	ug/l	95
65) Chlorobenzene	10.15	112	101604	19.54	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	37178	20.60	ug/l	98
67) Ethyl Benzene	10.26	91	162175	18.93	ug/l	100
68) m/p-Xylenes	10.37	106	127919	37.95	ug/l	100
69) o-Xylene	10.71	106	63143	19.31	ug/l	97
70) Styrene	10.72	104	103163	19.29	ug/l	98
71) Bromoform	10.87	173	28923	19.21	ug/l	# 100
73) Isopropylbenzene	11.02	105	169098	20.08	ug/l	100
74) N-amyl acetate	6.48	43	77219	21.37	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	50638	20.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	55519	23.85	ug/l	90
77) Bromobenzene	11.26	156	49980	20.58	ug/l	97
78) n-propylbenzene	11.37	91	186526	19.93	ug/l	99
79) 2-Chlorotoluene	11.43	91	114942	20.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	141610	20.02	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	8336	14.94	ug/l	88
82) 4-Chlorotoluene	11.52	91	131485	19.36	ug/l	99
83) tert-Butylbenzene	11.77	119	131634	18.67	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	147448	20.35	ug/l	99
85) sec-Butylbenzene	11.95	105	168205	19.93	ug/l	100
86) p-Isopropyltoluene	12.07	119	152993	19.77	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	88361	19.48	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	89101	19.06	ug/l	99
89) n-Butylbenzene	12.40	91	120848	17.89	ug/l	98
90) Hexachloroethane	12.60	117	20859	18.61	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	92836	20.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	11657	22.86	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050318\
Quantitation Report (Not Reviewed)

Data File : VX001381.D
Acq On : 04 May 2018 06:05
Operator : JC/MD
Sample : VX0503MBS02
Misc : 5.0g/10mL/100uL/5mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

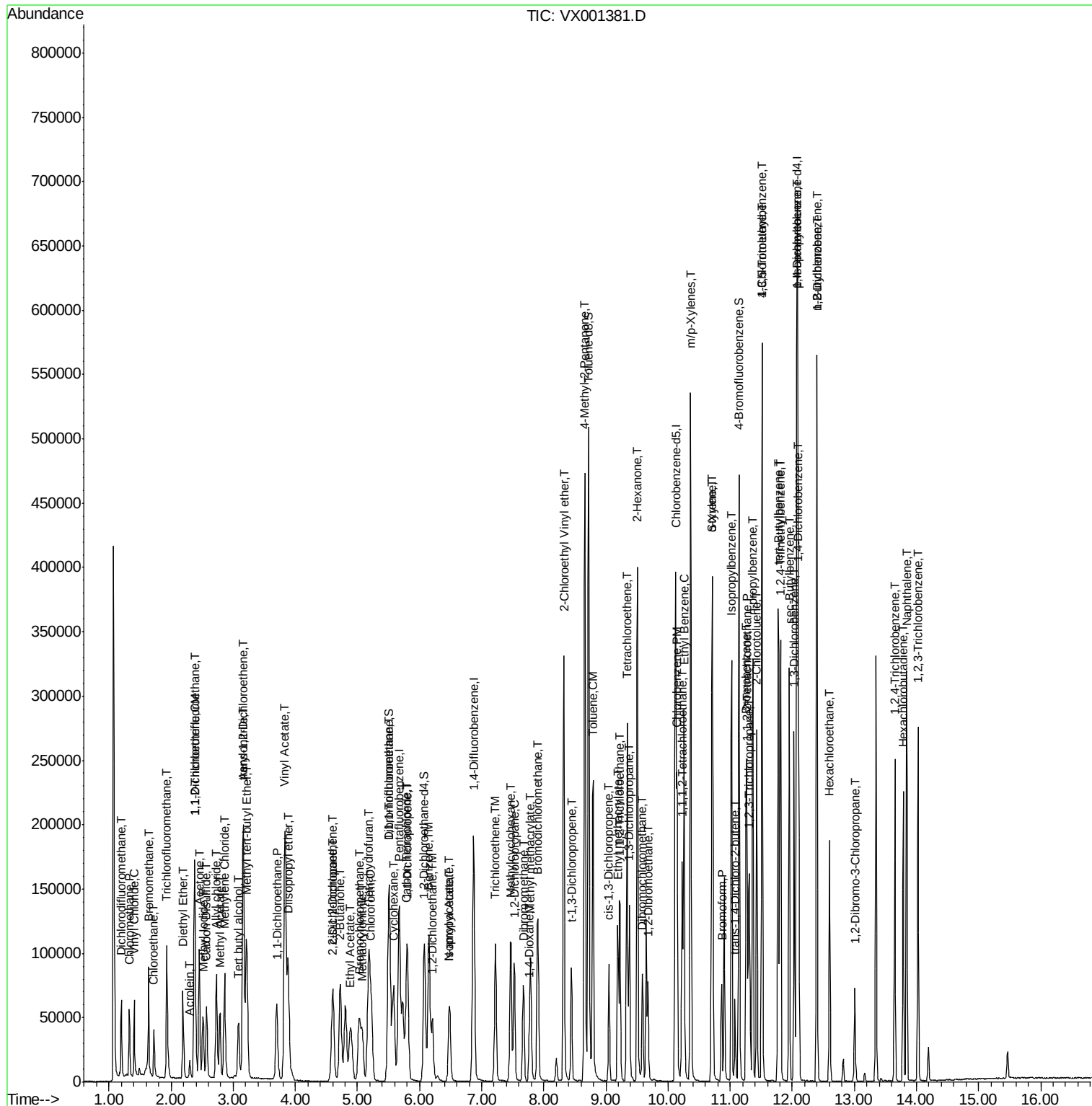
Quant Time: May 04 08:28:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

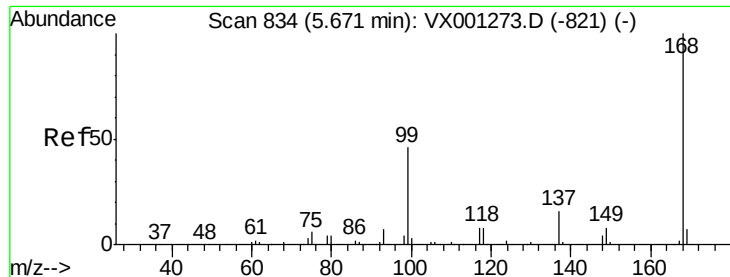
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63863	17.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	35347	18.61	ug/l	99
95) Naphthalene	13.84	128	192951	20.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	69403	19.47	ug/l	100

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

ALS Vial : 32 Sample Multiplier: 1

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

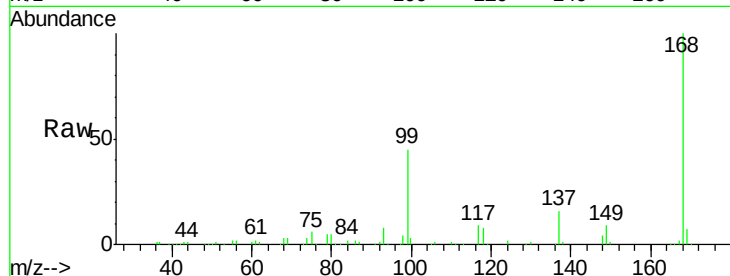
VX0503MBS02

Tgt Ion:168 Resp: 147805

Ion Ratio Lower Upper

168 100

99 44.9 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

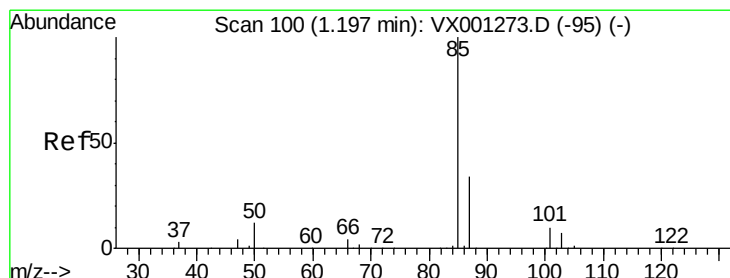
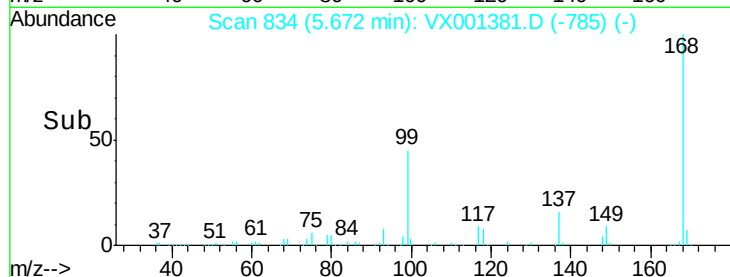
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.01 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001381.D

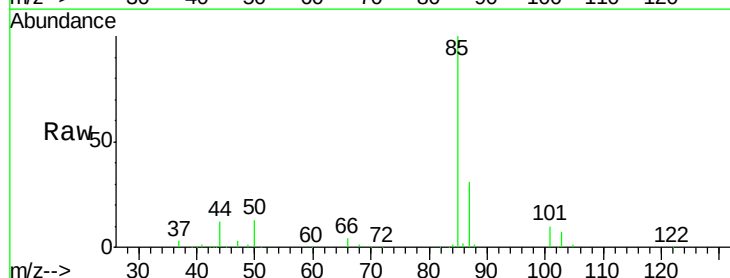
Acq: 04 May 2018 06:05

Tgt Ion: 85 Resp: 34358

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

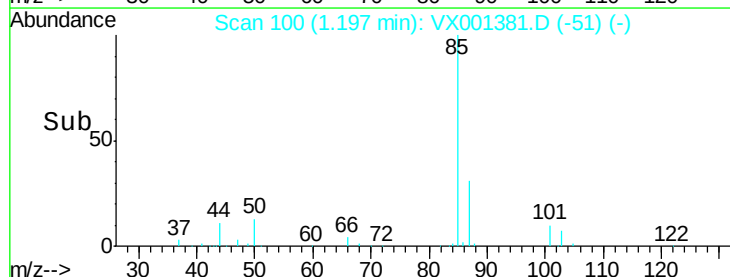
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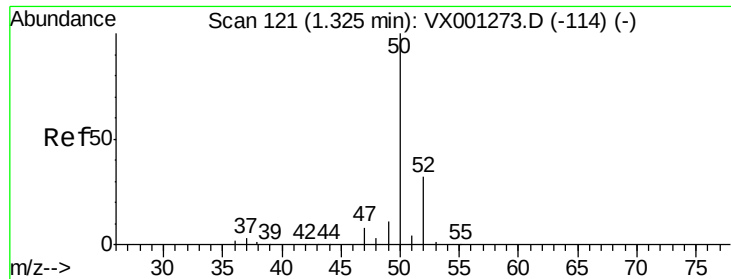
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

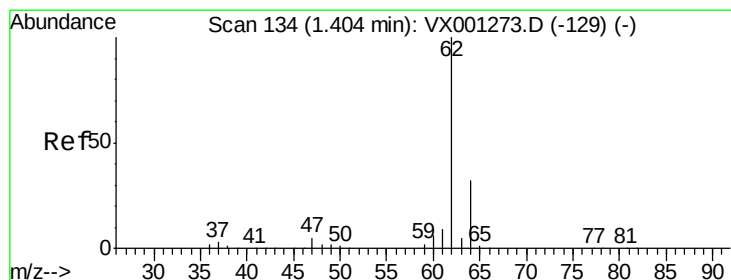
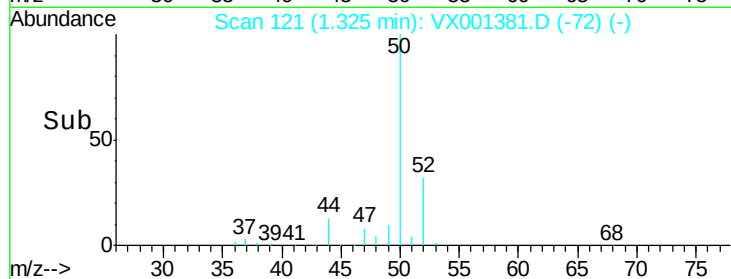
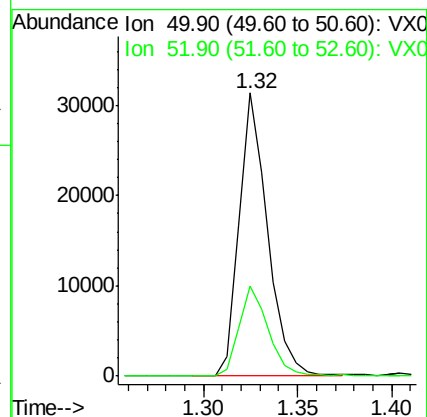
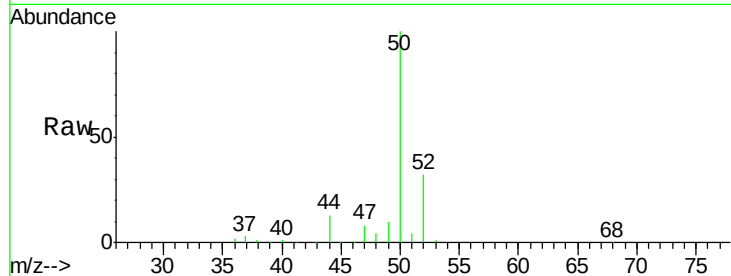
VX0503MBS02

Tgt Ion: 50 Resp: 32816

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5



#4

Vinyl Chloride

Concen: 21.64 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001381.D

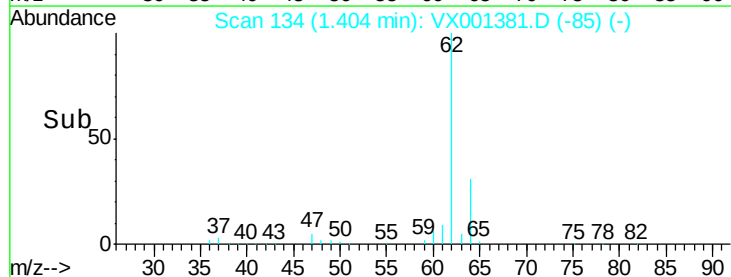
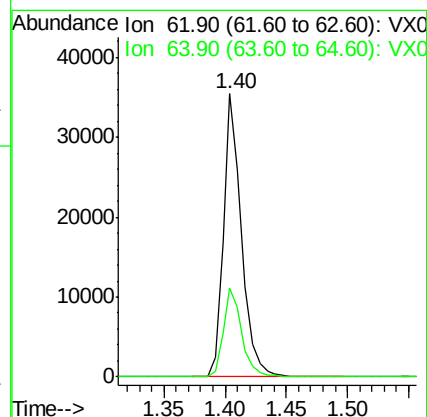
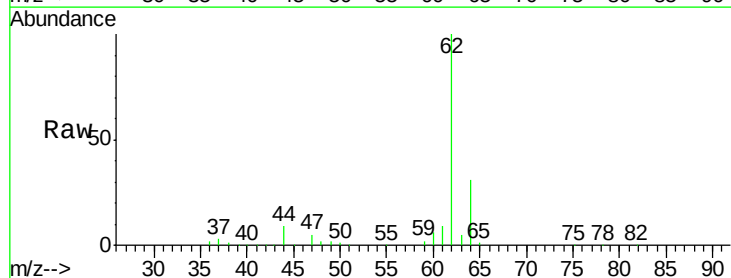
Acq: 04 May 2018 06:05

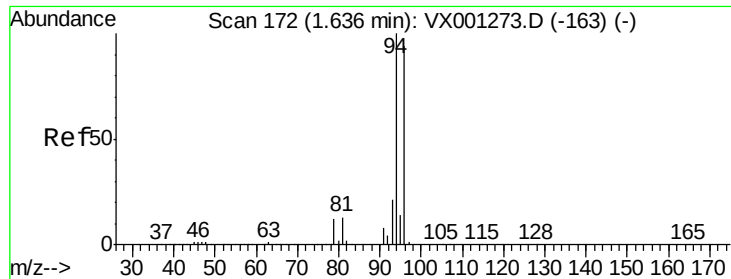
Tgt Ion: 62 Resp: 36560

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 21.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

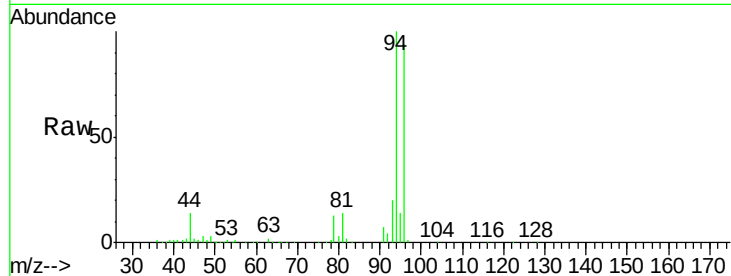
VX0503MBS02

Tgt Ion: 94 Resp: 28485

Ion Ratio Lower Upper

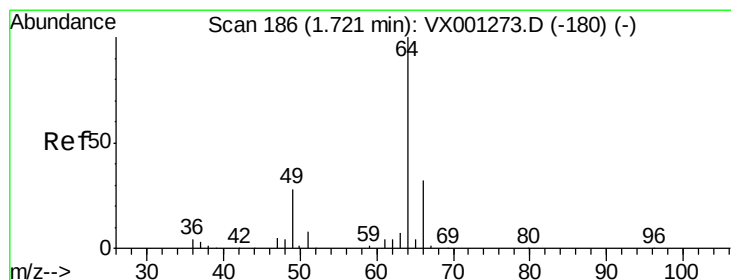
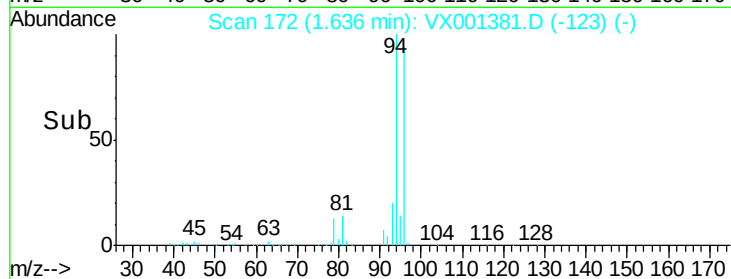
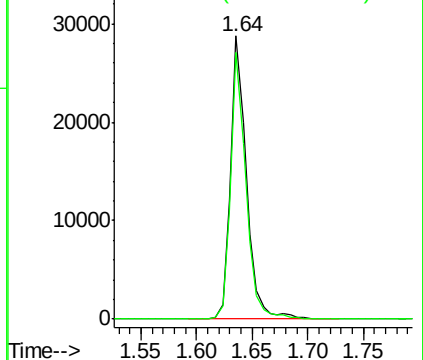
94 100

96 94.1 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.97 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001381.D

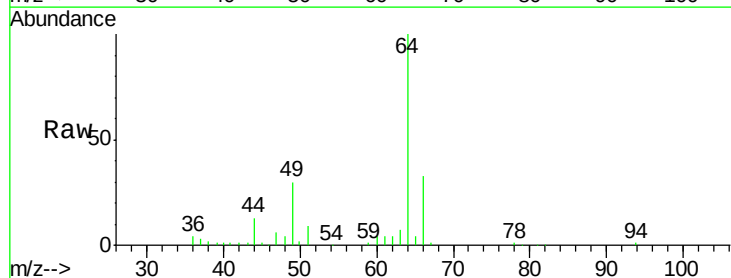
Acq: 04 May 2018 06:05

Tgt Ion: 64 Resp: 23464

Ion Ratio Lower Upper

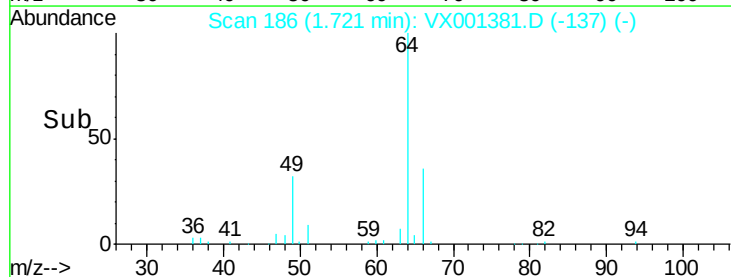
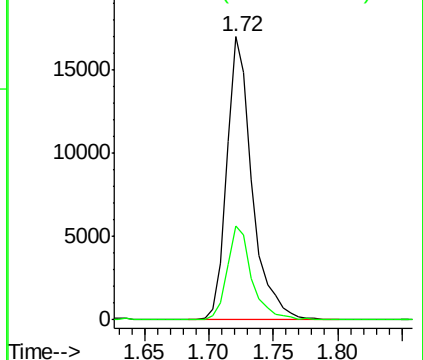
64 100

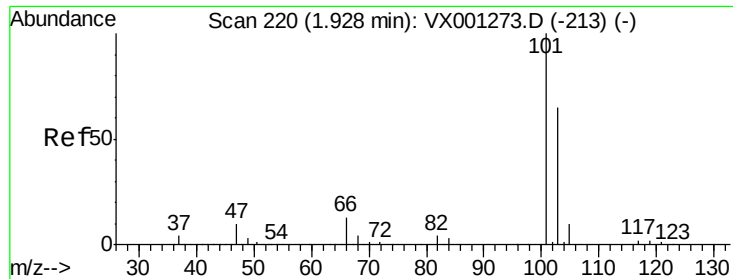
66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 22.43 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

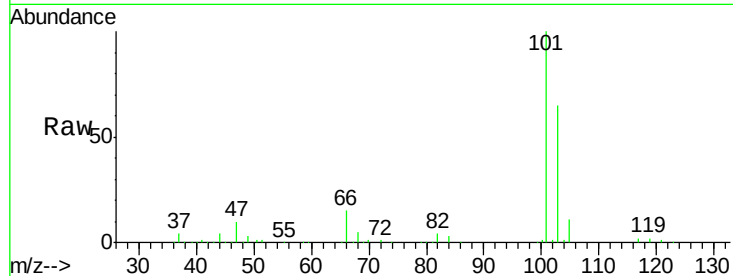
VX0503MBS02

Tgt Ion:101 Resp: 63973

Ion Ratio Lower Upper

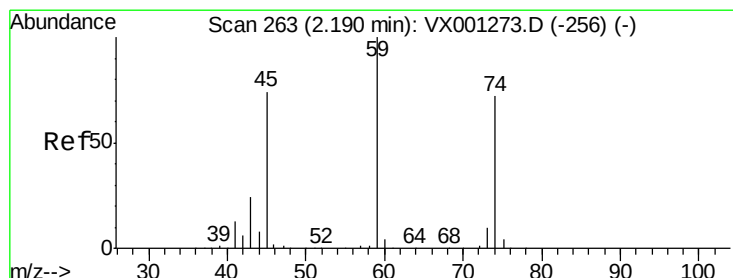
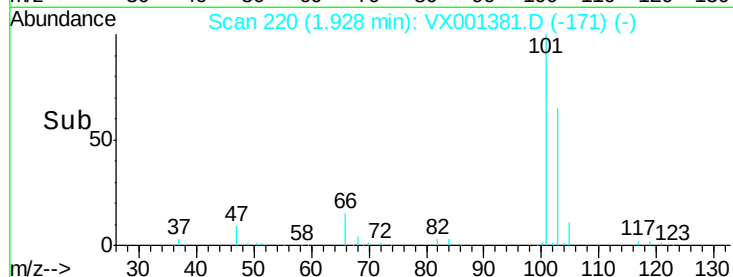
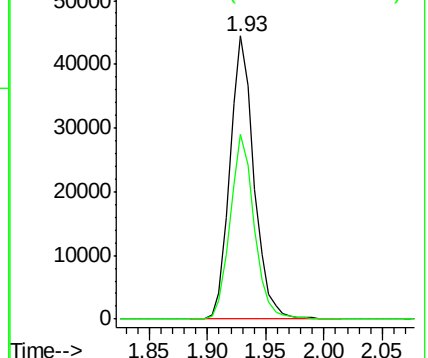
101 100

103 65.1 51.8 77.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 23.55 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001381.D

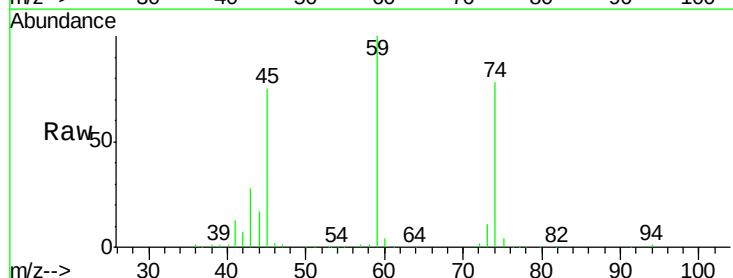
Acq: 04 May 2018 06:05

Tgt Ion: 74 Resp: 23057

Ion Ratio Lower Upper

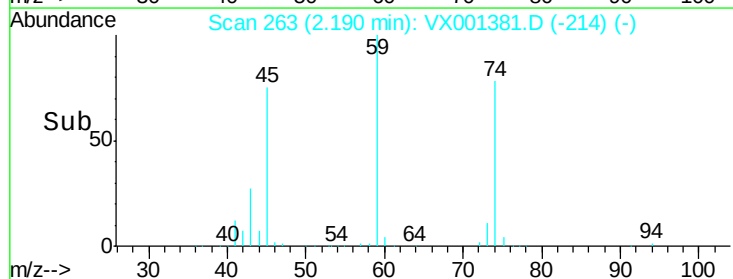
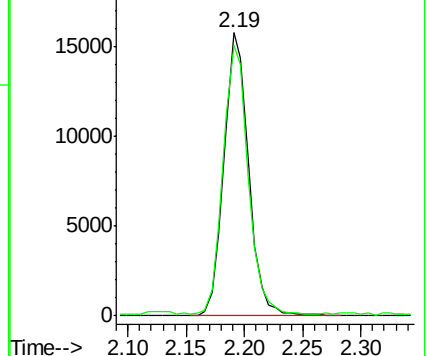
74 100

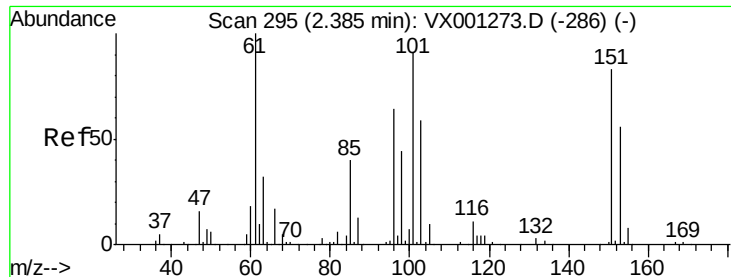
45 96.7 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.14 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

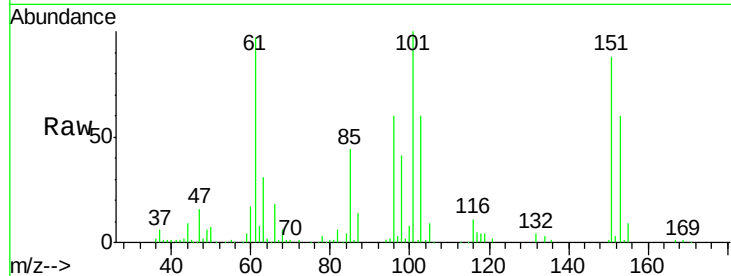
Tgt Ion:101 Resp: 34769

Ion Ratio Lower Upper

101 100

85 45.4 35.6 53.4

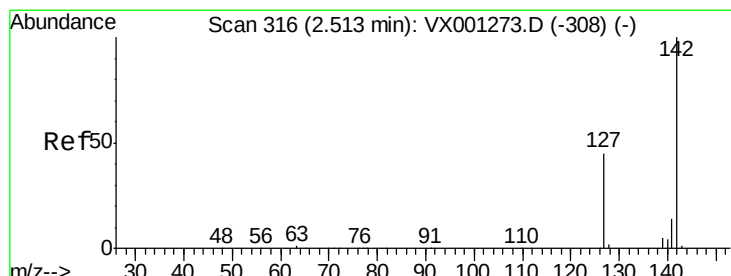
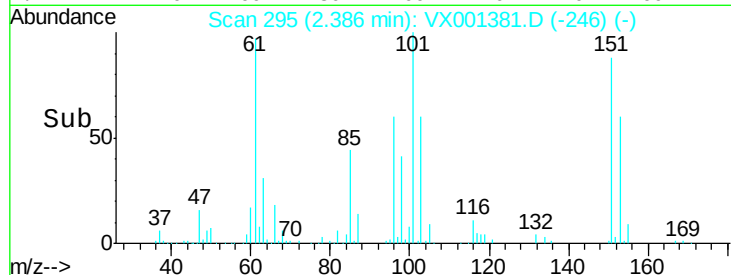
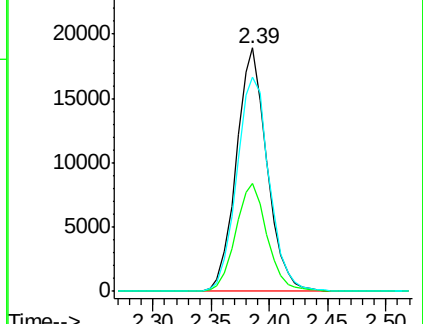
151 93.4 74.8 112.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.86 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

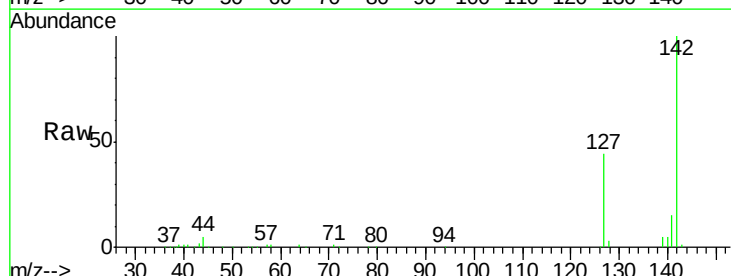
Tgt Ion:142 Resp: 48138

Ion Ratio Lower Upper

142 100

127 44.6 35.7 53.5

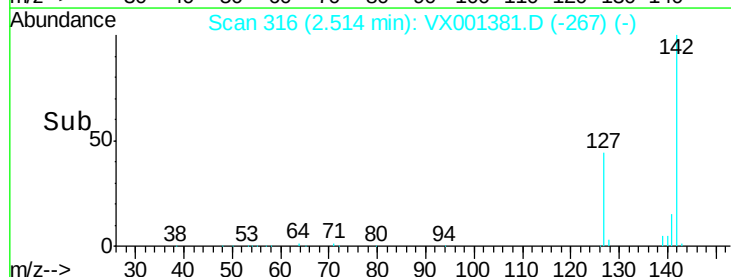
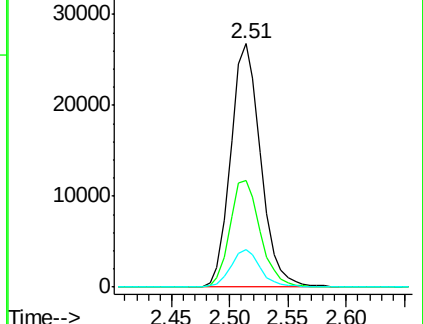
141 15.1 11.4 17.0

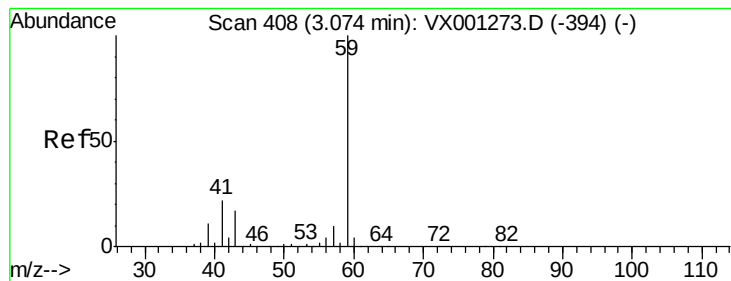


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 139.69 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

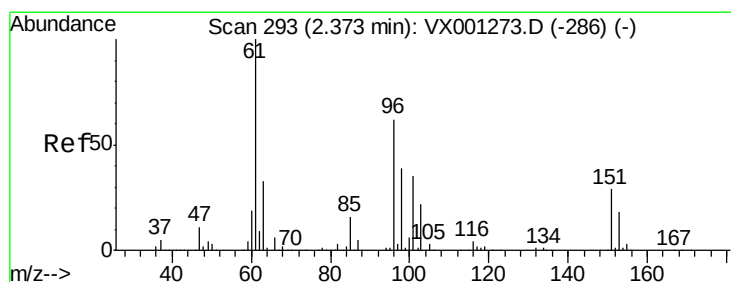
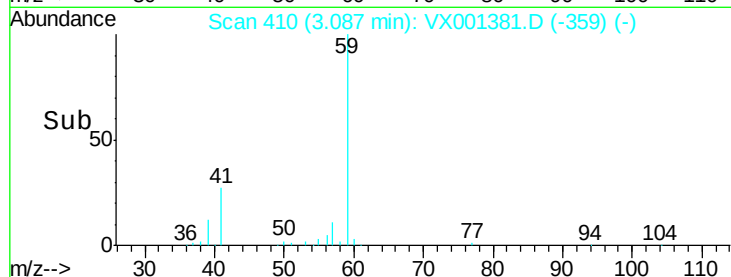
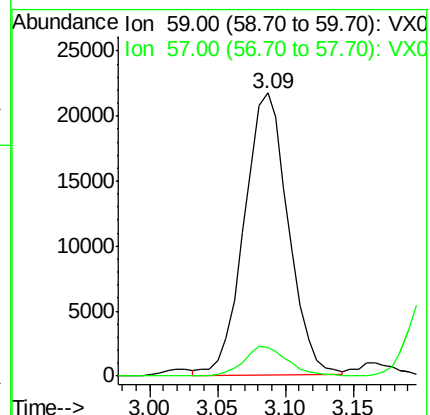
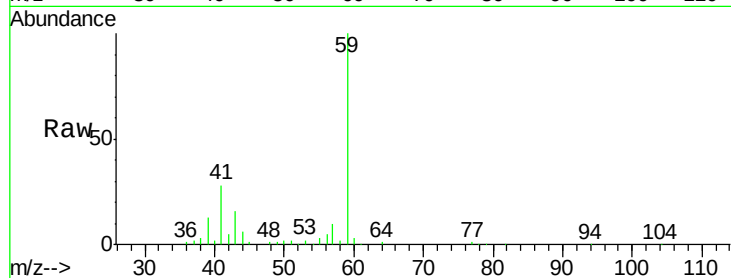
VX0503MBS02

Tgt Ion: 59 Resp: 49172

Ion Ratio Lower Upper

59 100

57 10.5 8.6 12.8



#12

1,1-Dichloroethene

Concen: 21.31 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

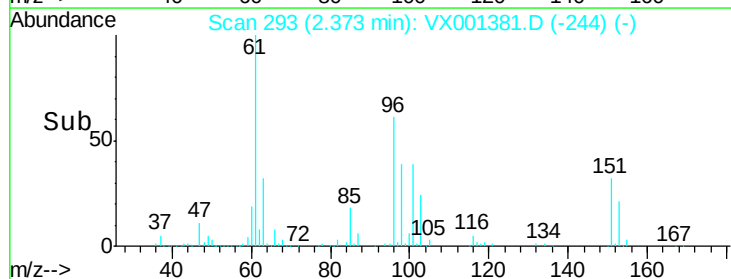
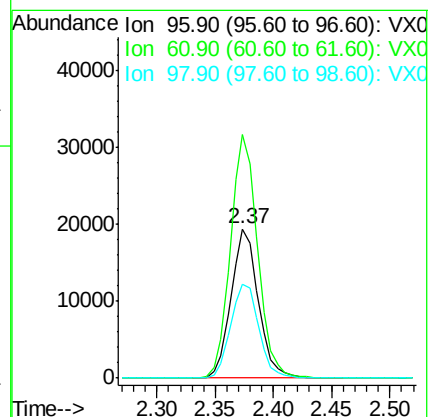
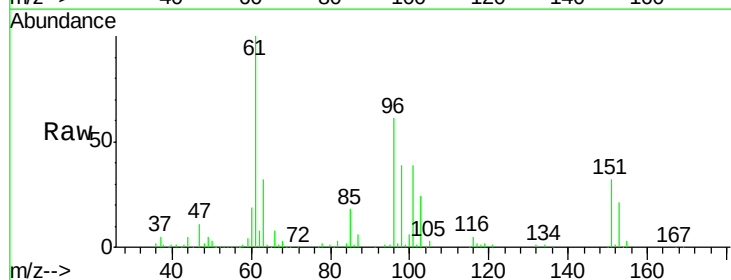
Tgt Ion: 96 Resp: 31600

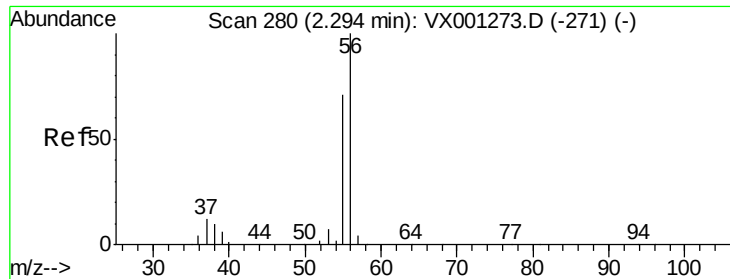
Ion Ratio Lower Upper

96 100

61 162.9 130.1 195.1

98 63.0 50.3 75.5

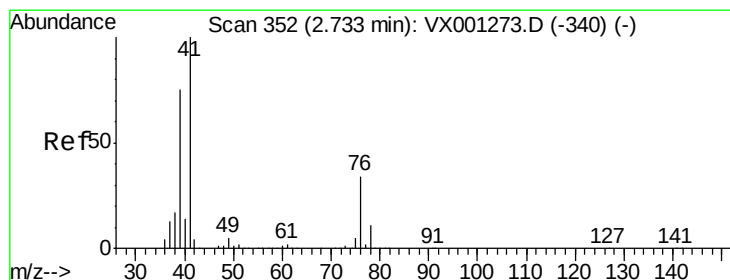
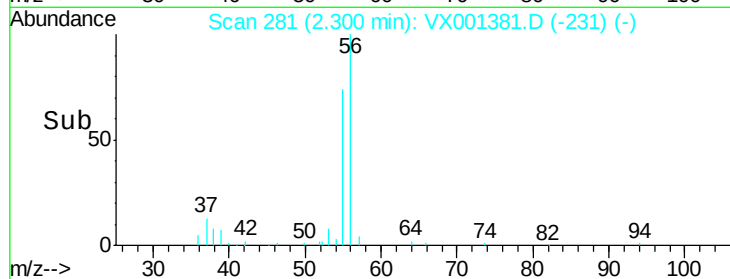
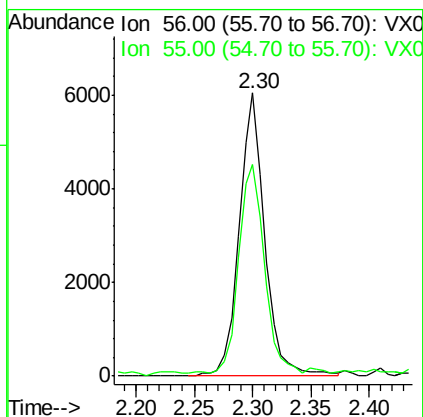
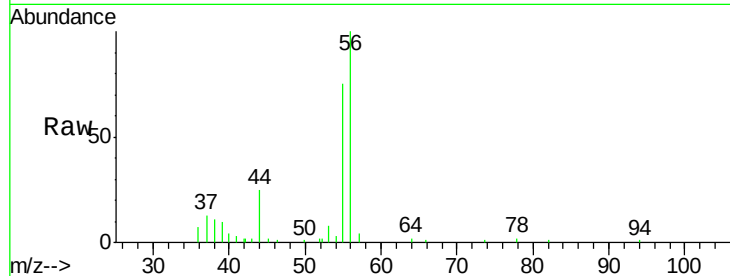




#13
Acrolein
Concen: 45.67 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

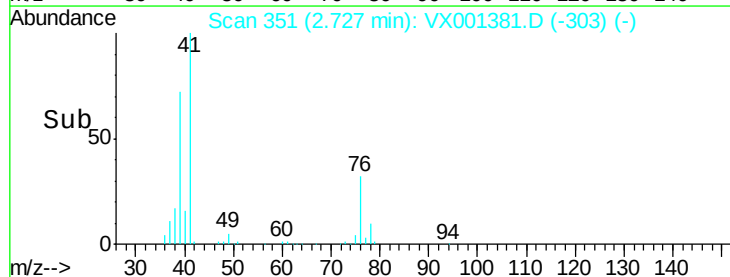
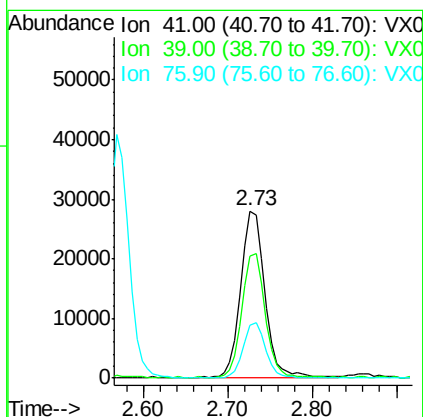
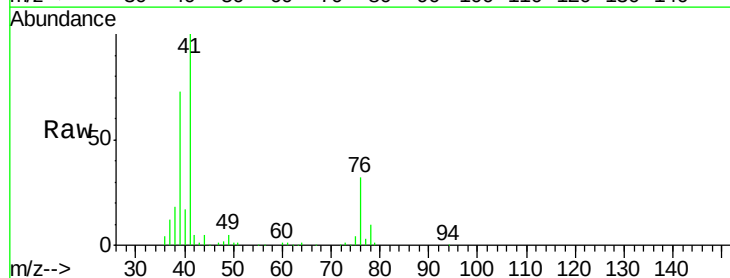
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

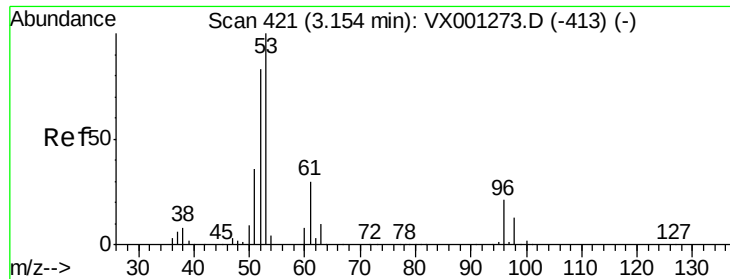
Tgt Ion: 56 Resp: 9256
Ion Ratio Lower Upper
56 100
55 74.9 57.2 85.8



#14
Allyl chloride
Concen: 20.68 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 41 Resp: 53641
Ion Ratio Lower Upper
41 100
39 71.7 58.1 87.1
76 31.1 25.1 37.7





#15

Acrylonitrile

Concen: 125.24 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

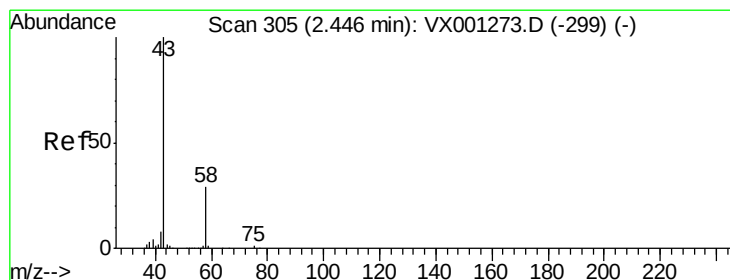
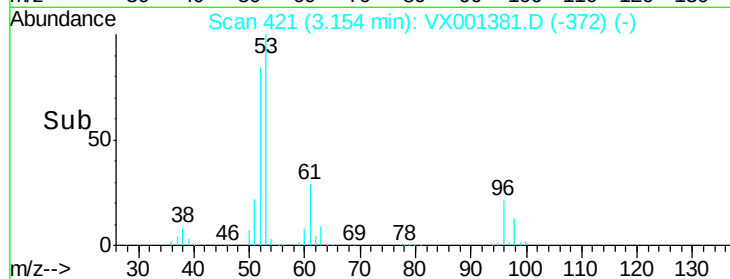
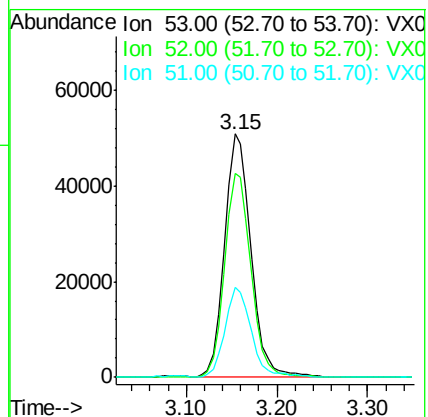
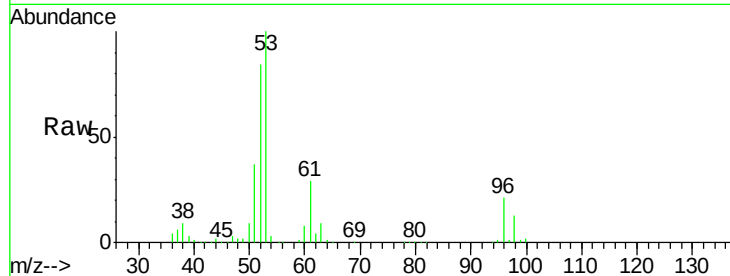
Tgt Ion: 53 Resp: 102176

Ion Ratio Lower Upper

53 100

52 83.9 67.0 100.4

51 36.9 29.9 44.9



#16

Acetone

Concen: 116.76 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001381.D

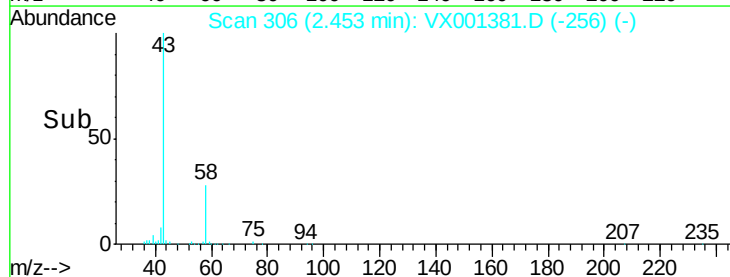
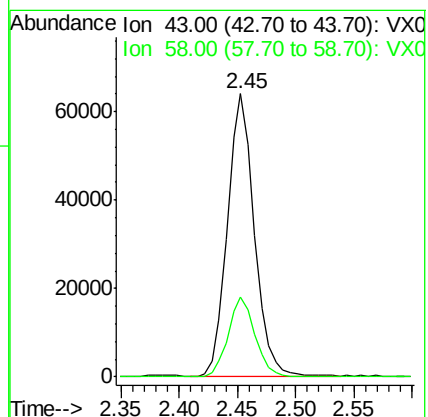
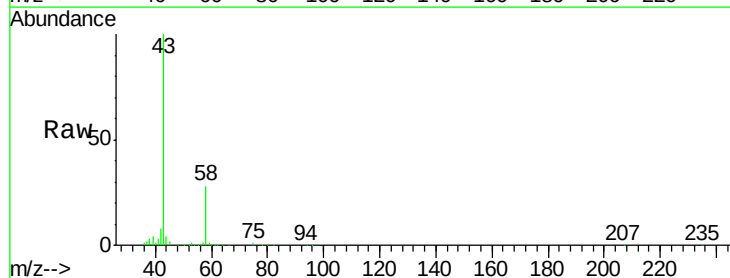
Acq: 04 May 2018 06:05

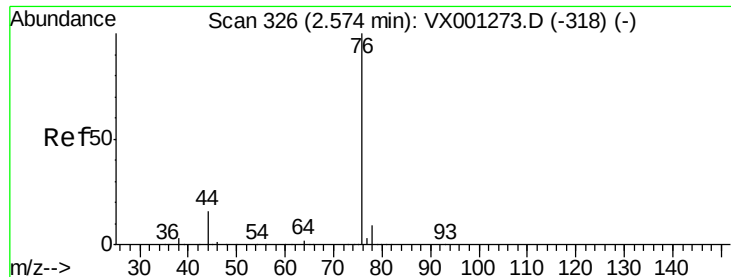
Tgt Ion: 43 Resp: 101970

Ion Ratio Lower Upper

43 100

58 28.0 22.8 34.2





#17

Carbon Disulfide

Concen: 17.57 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

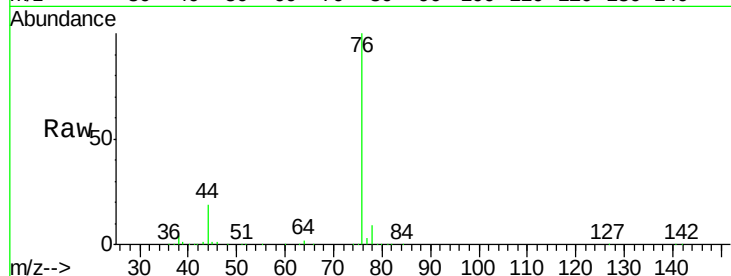
VX0503MBS02

Tgt Ion: 76 Resp: 67875

Ion Ratio Lower Upper

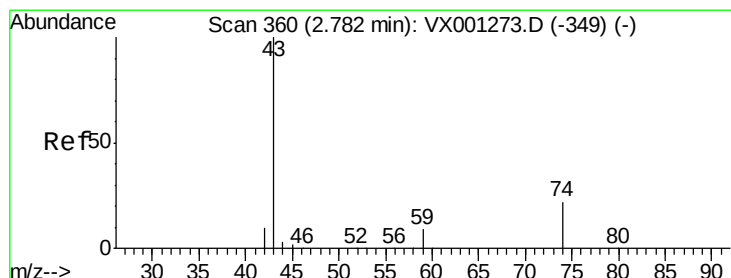
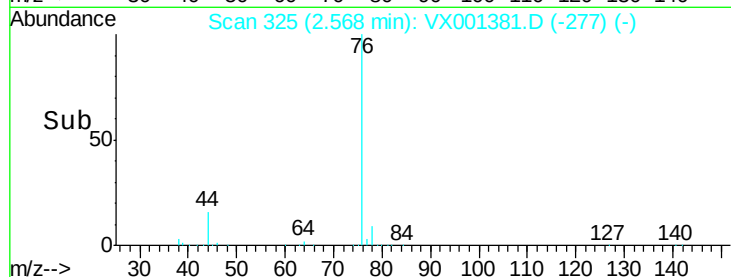
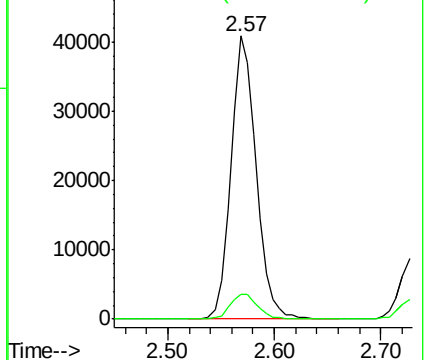
76 100

78 9.0 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 28.39 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001381.D

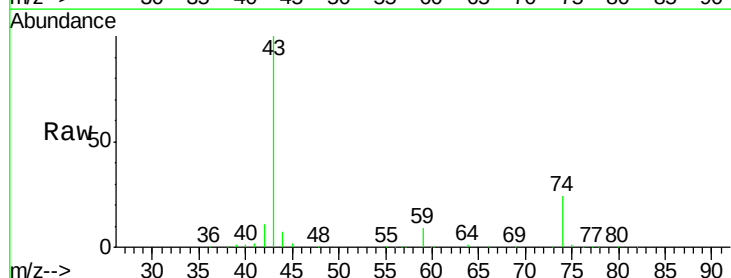
Acq: 04 May 2018 06:05

Tgt Ion: 43 Resp: 58559

Ion Ratio Lower Upper

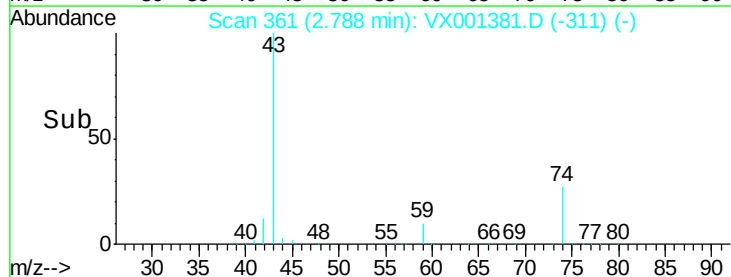
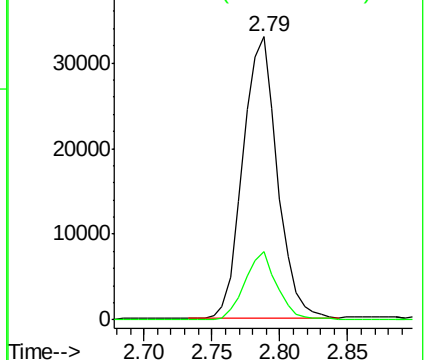
43 100

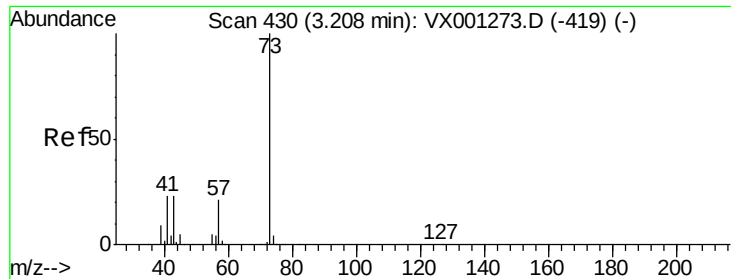
74 23.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 23.24 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampled :

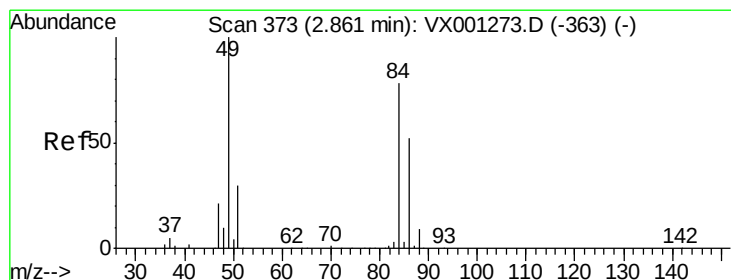
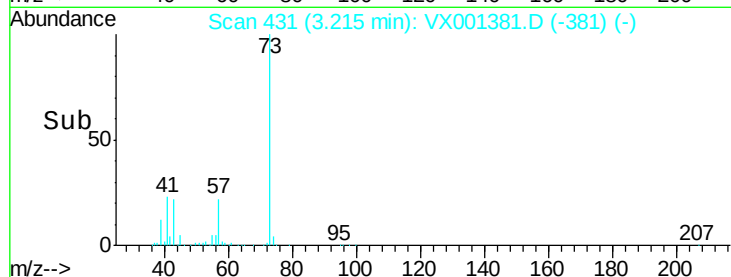
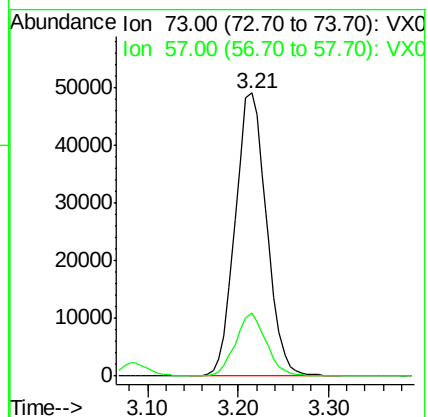
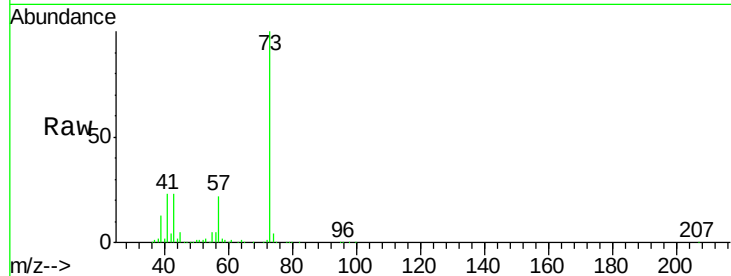
VX0503MBS02

Tgt Ion: 73 Resp: 117371

Ion Ratio Lower Upper

73 100

57 22.3 16.8 25.2



#20

Methylene Chloride

Concen: 22.57 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Tgt Ion: 84 Resp: 36948

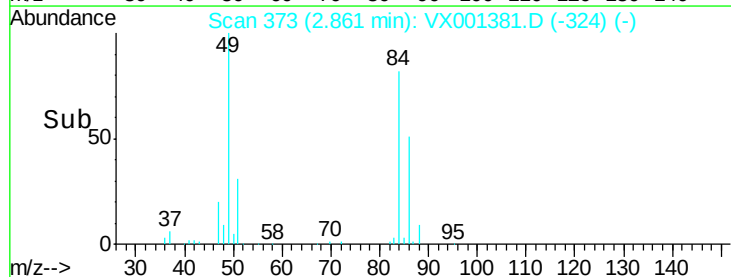
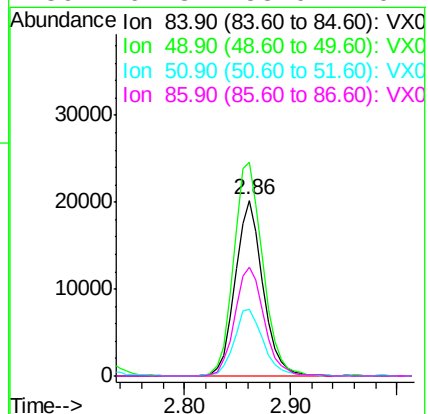
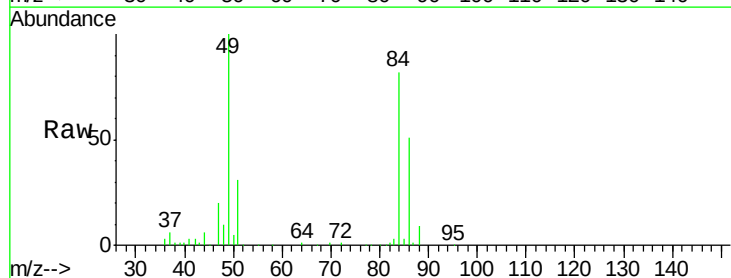
Ion Ratio Lower Upper

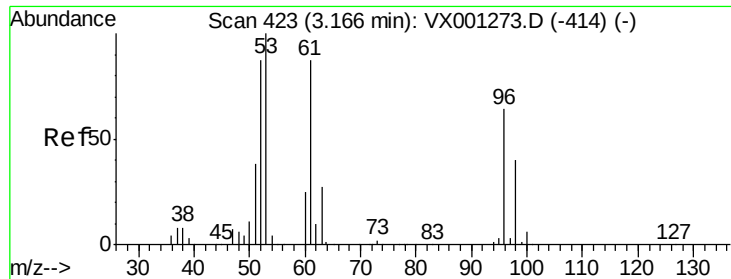
84 100

49 121.7 102.8 154.2

51 37.8 30.9 46.3

86 62.3 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 21.03 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

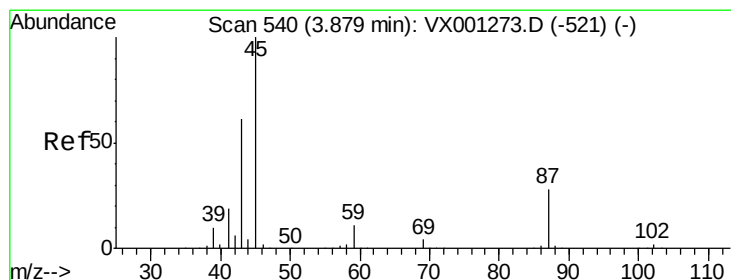
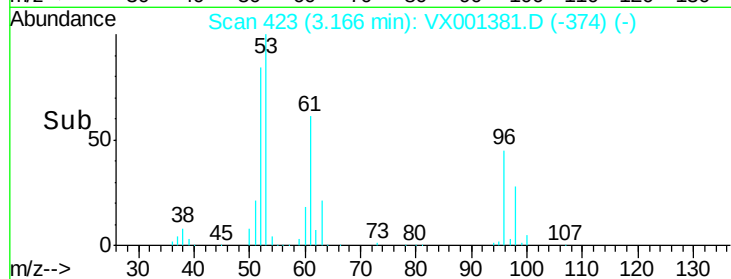
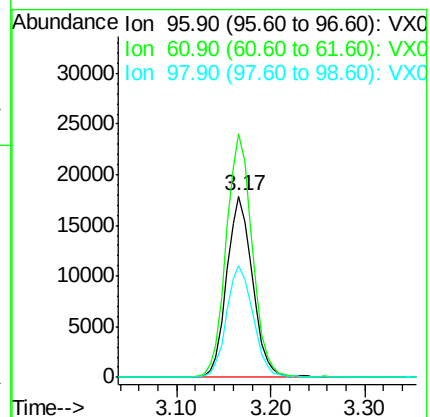
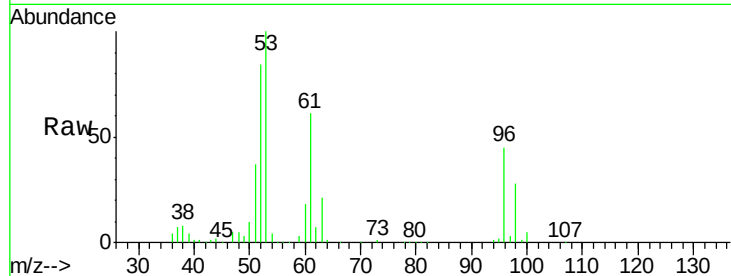
Tgt Ion: 96 Resp: 33935

Ion Ratio Lower Upper

96 100

61 134.3 108.6 162.8

98 61.7 49.7 74.5



#22

Diisopropyl ether

Concen: 20.25 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Tgt Ion: 45 Resp: 101145

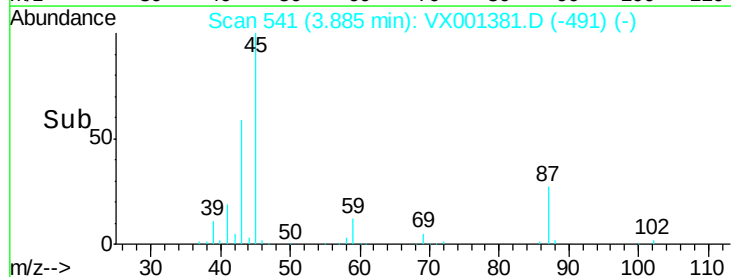
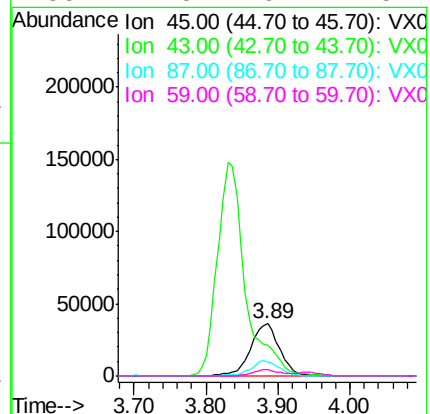
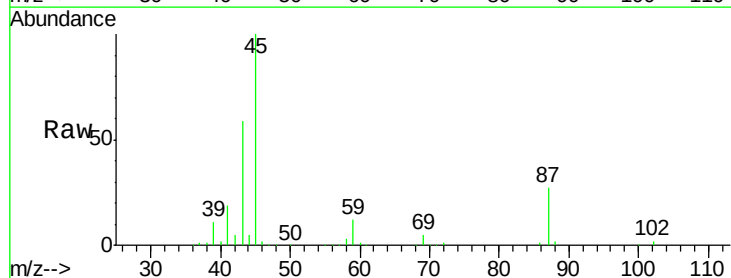
Ion Ratio Lower Upper

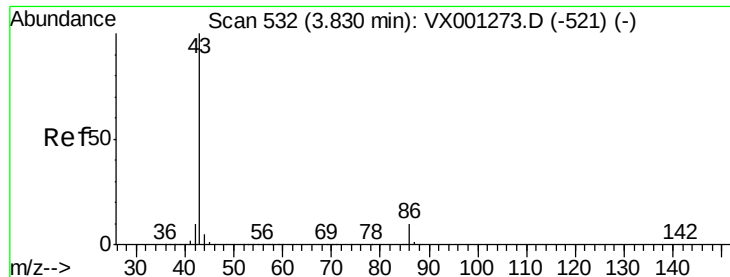
45 100

43 58.2 48.7 73.1

87 27.1 22.2 33.4

59 11.8 9.1 13.7





#23

Vinyl Acetate

Concen: 95.21 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

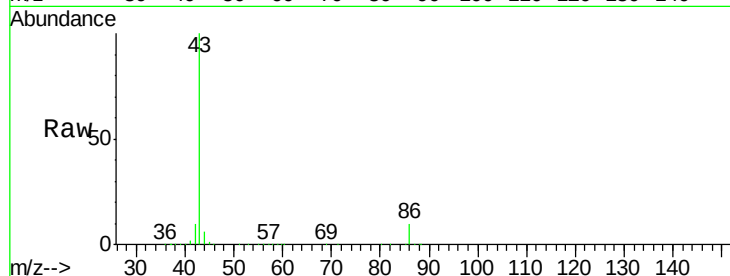
VX0503MBS02

Tgt Ion: 43 Resp: 403073

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

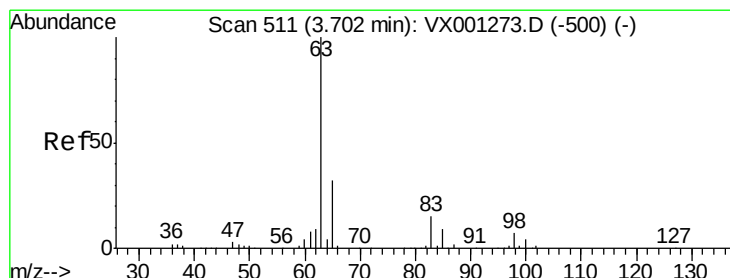
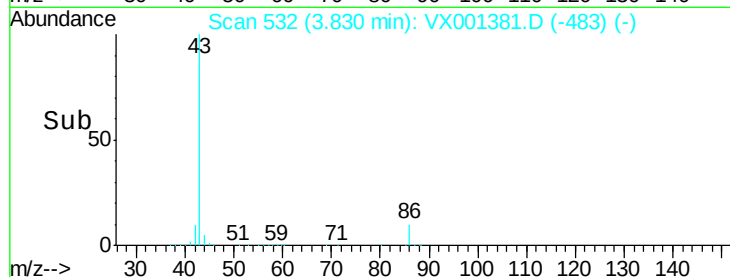
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 23.52 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

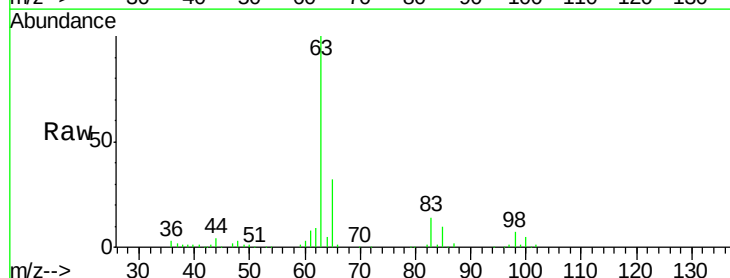
Tgt Ion: 63 Resp: 65451

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

30000

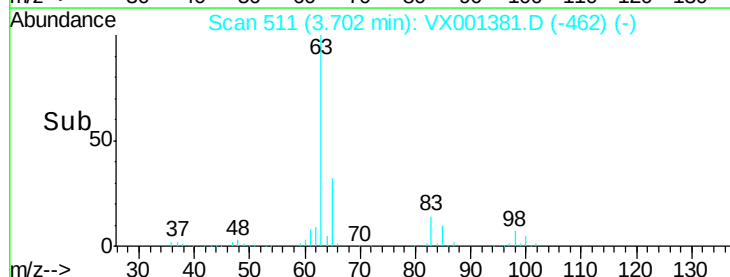
20000

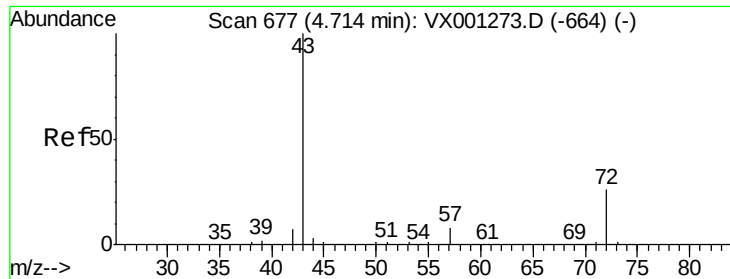
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 114.23 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

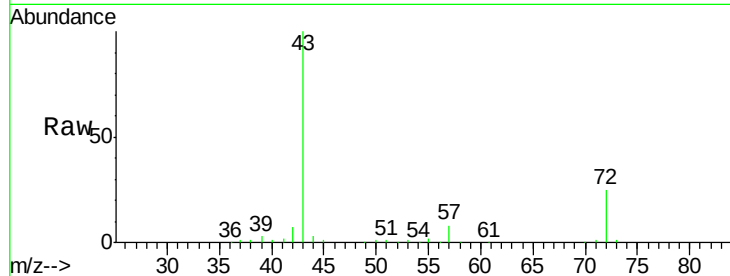
VX0503MBS02

Tgt Ion: 43 Resp: 134885

Ion Ratio Lower Upper

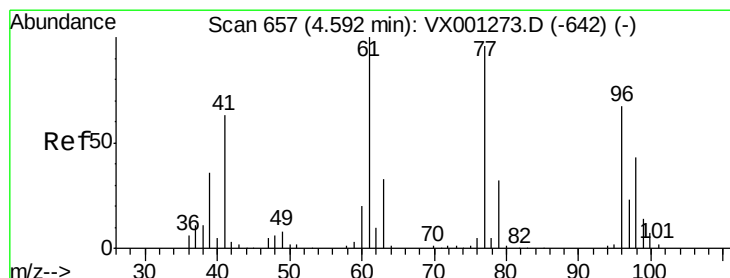
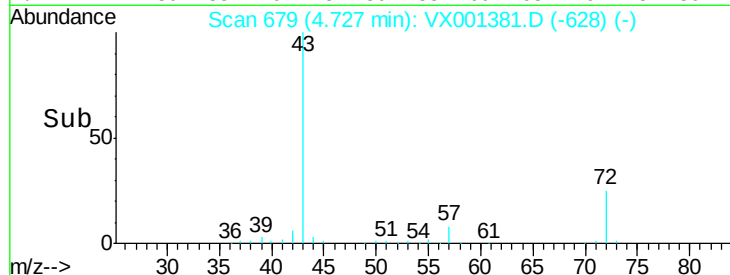
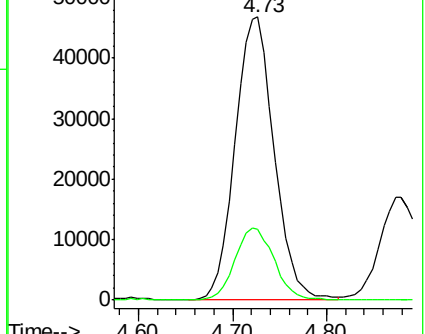
43 100

72 25.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 7.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001381.D

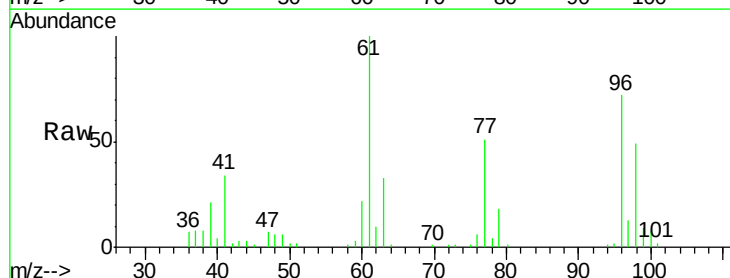
Acq: 04 May 2018 06:05

Tgt Ion: 77 Resp: 16065

Ion Ratio Lower Upper

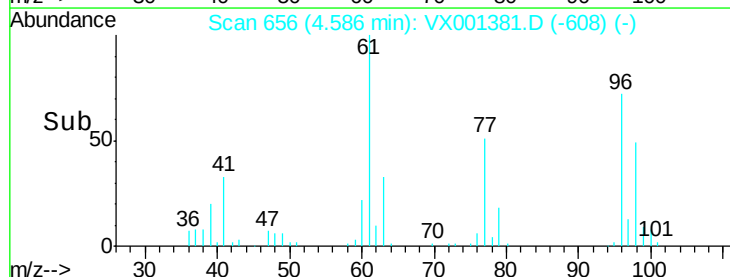
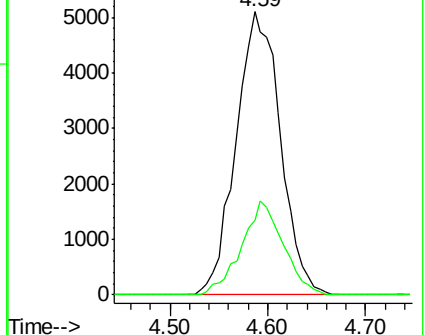
77 100

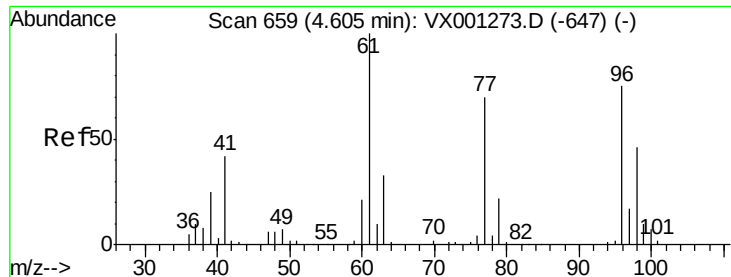
97 31.1 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 20.09 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

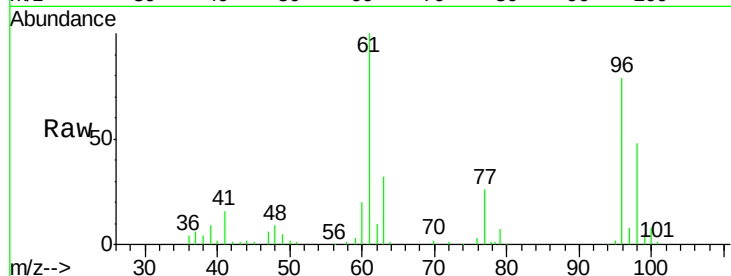
Tgt Ion: 96 Resp: 35629

Ion Ratio Lower Upper

96 100

61 141.4 0.0 288.0

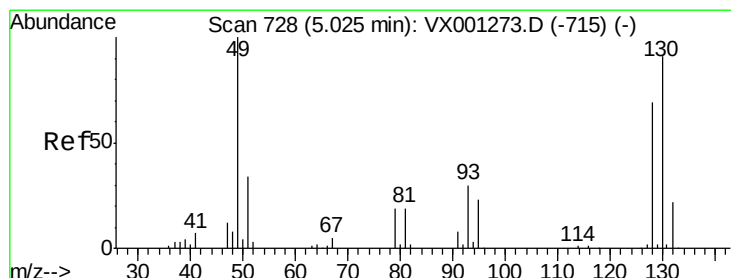
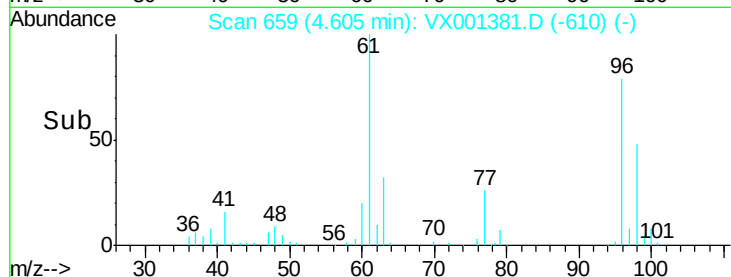
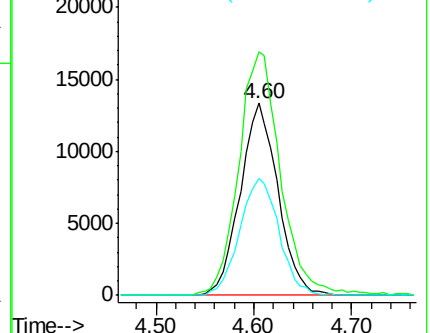
98 63.4 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 24.79 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

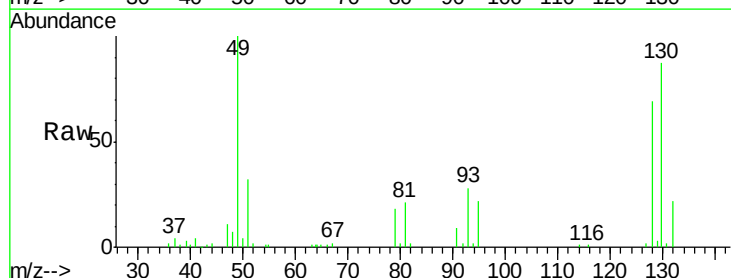
Tgt Ion: 49 Resp: 31009

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

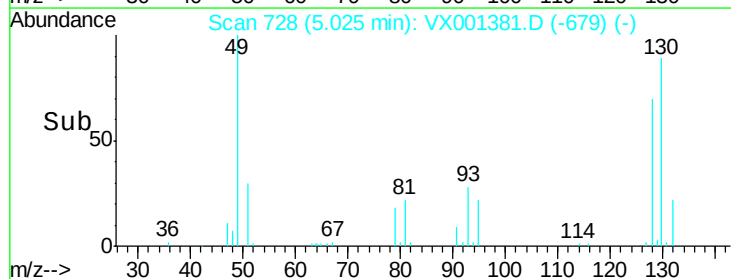
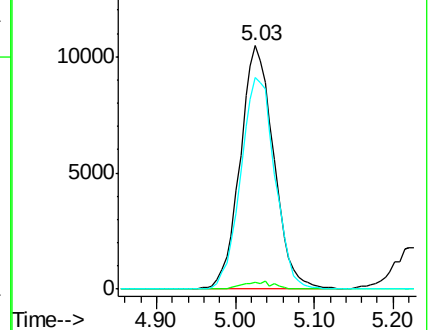
130 88.2 70.4 105.6

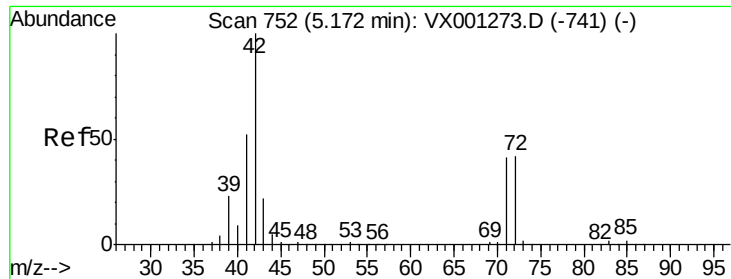


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

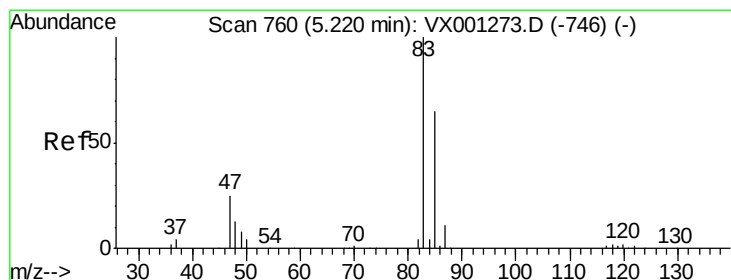
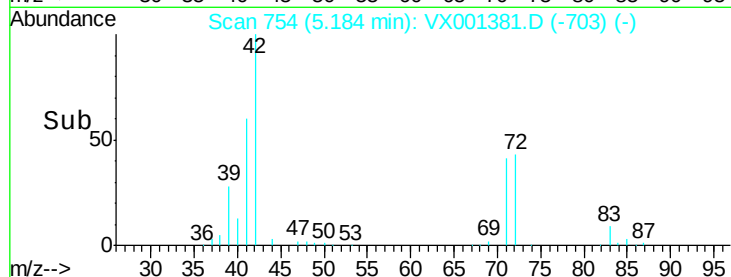
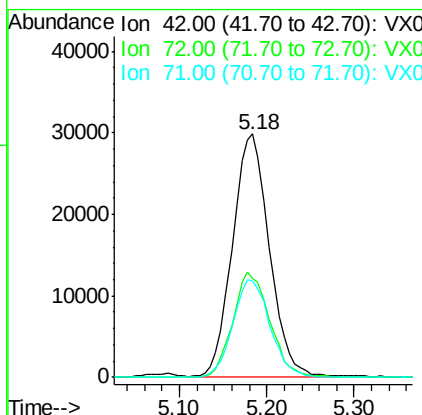
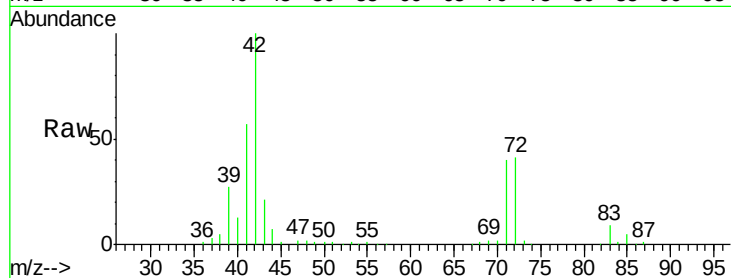




#29
Tetrahydrofuran
Concen: 119.93 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

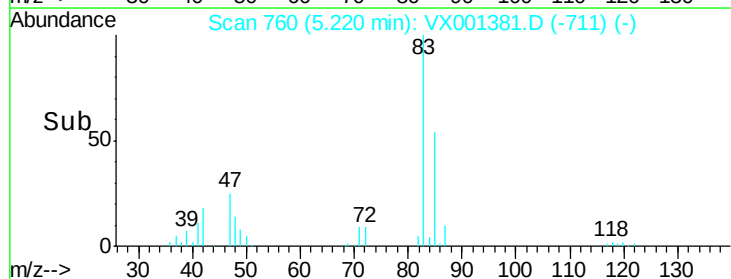
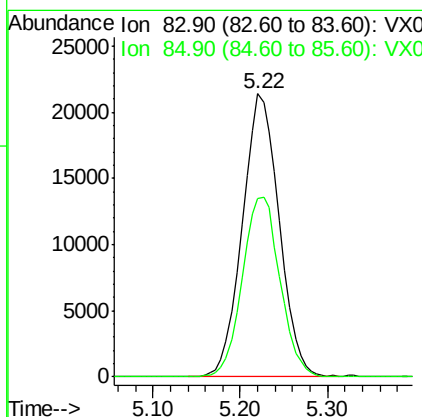
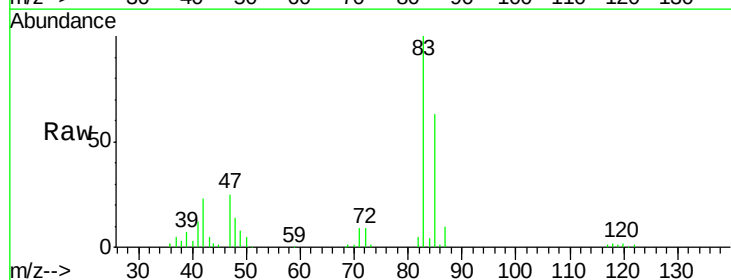
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

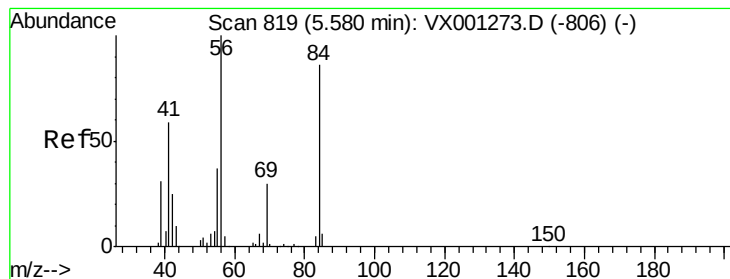
Tgt Ion: 42 Resp: 87100
Ion Ratio Lower Upper
42 100
72 43.7 34.6 52.0
71 40.8 32.7 49.1



#30
Chloroform
Concen: 21.23 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 83 Resp: 62441
Ion Ratio Lower Upper
83 100
85 63.1 52.2 78.2





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

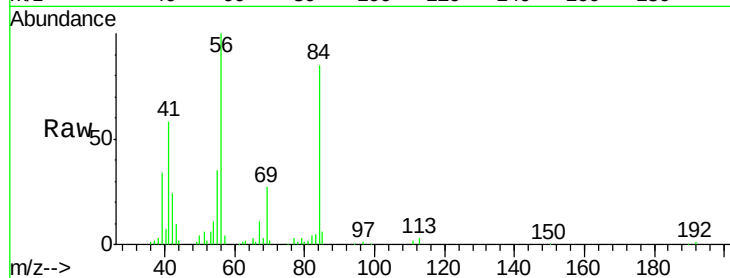
Tgt Ion: 56 Resp: 47299

Ion Ratio Lower Upper

56 100

69 26.7 24.0 36.0

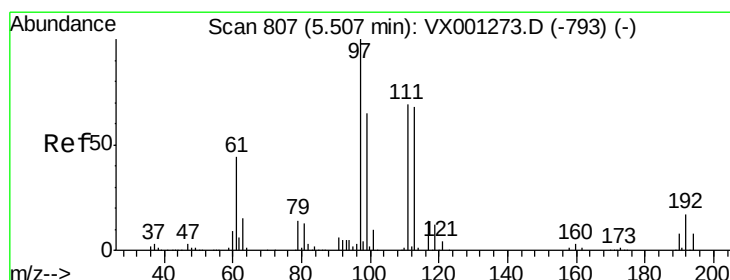
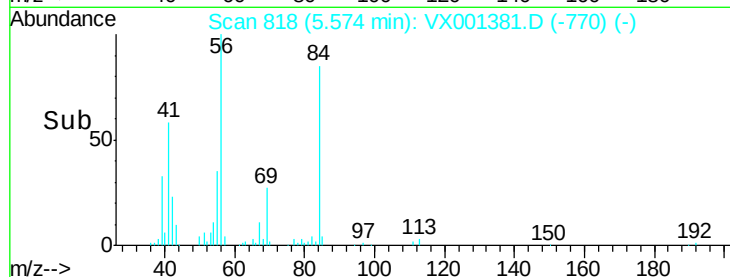
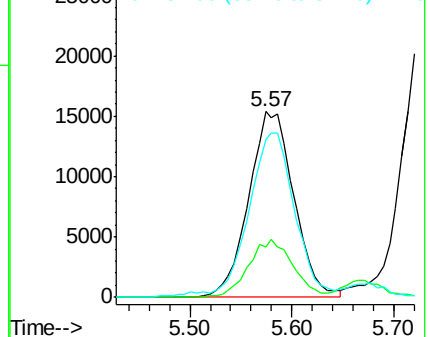
84 82.0 69.0 103.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.46 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

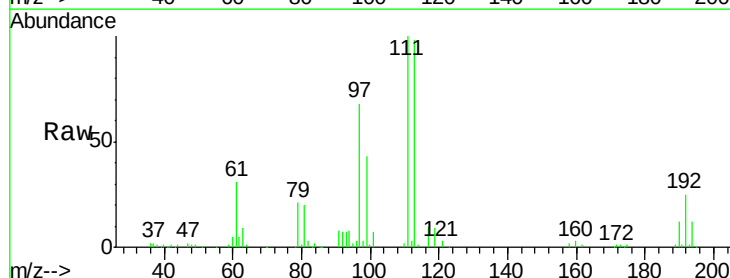
Tgt Ion: 97 Resp: 52613

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

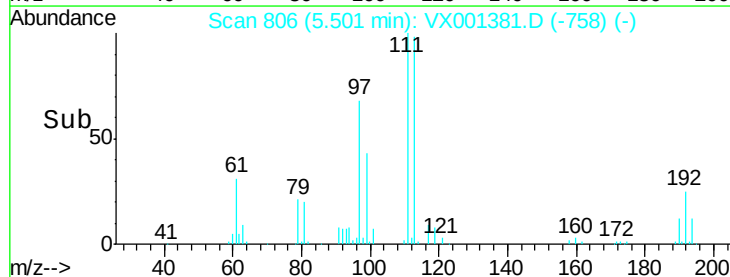
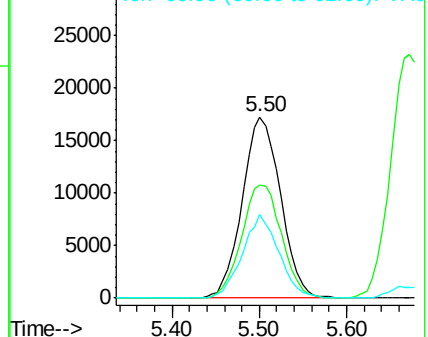
61 43.9 35.4 53.2

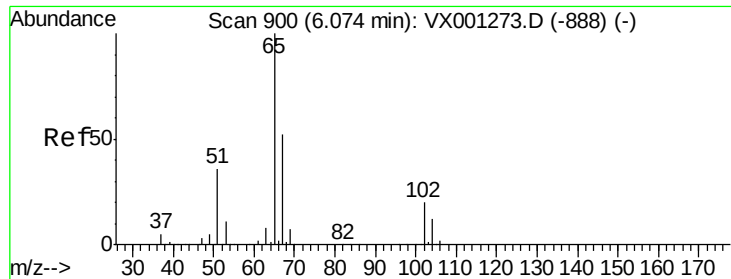


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

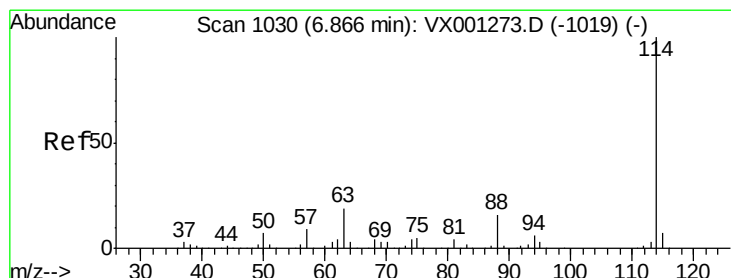
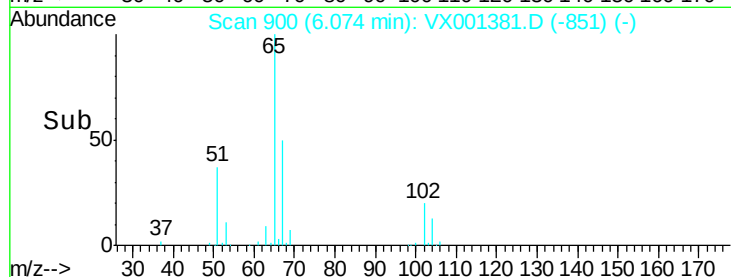
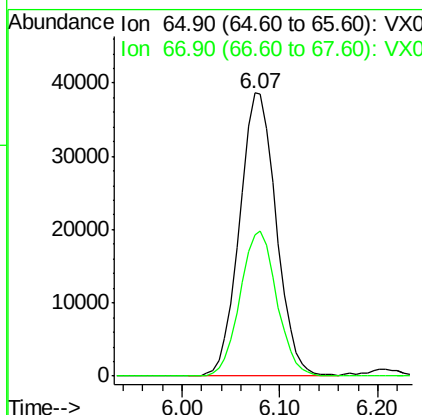
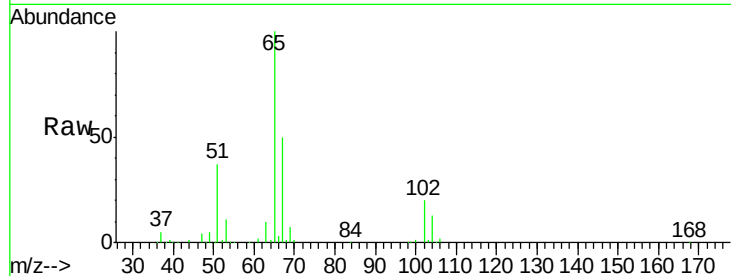




#33
 1,2-Dichloroethane-d4
 Concen: 49.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

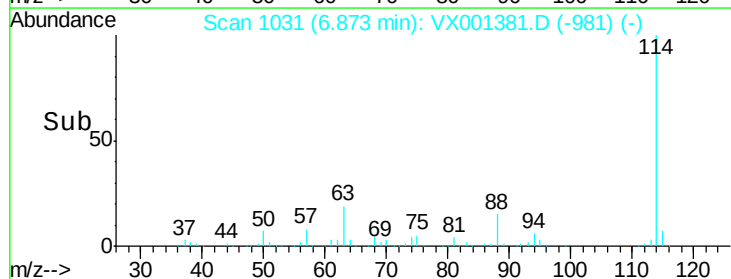
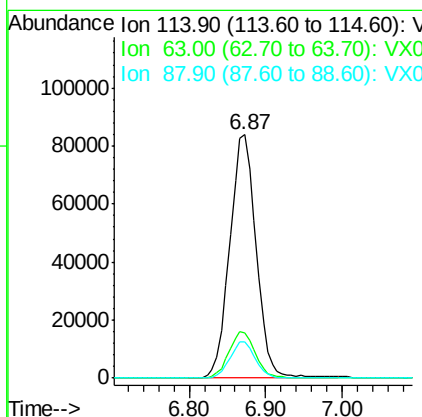
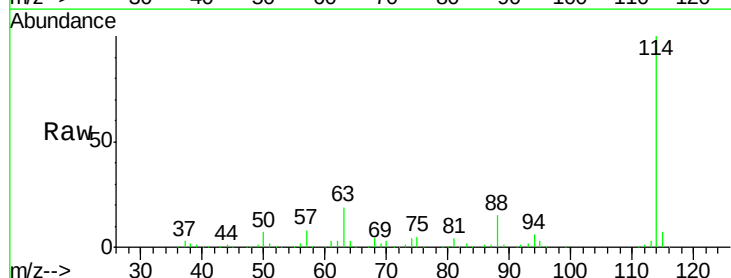
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

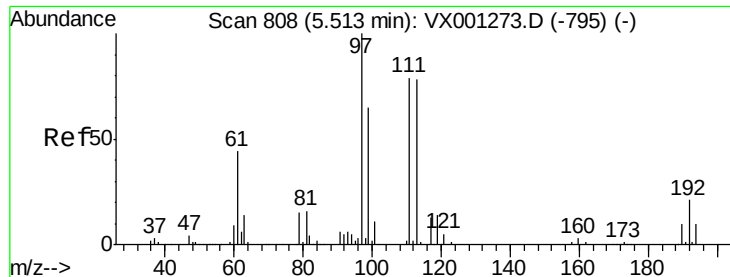
Tgt Ion: 65 Resp: 100801
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 114 Resp: 200970
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.8
 88 15.0 0.0 32.2

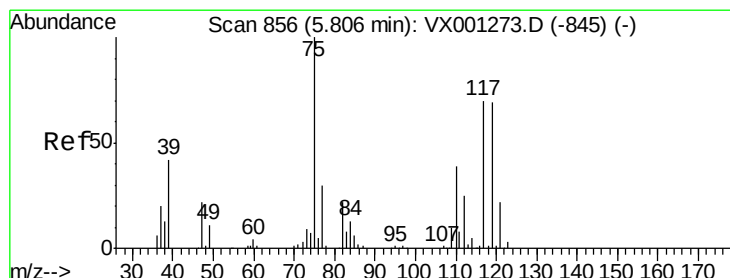
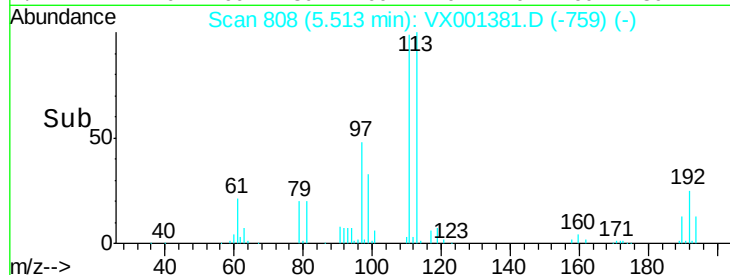
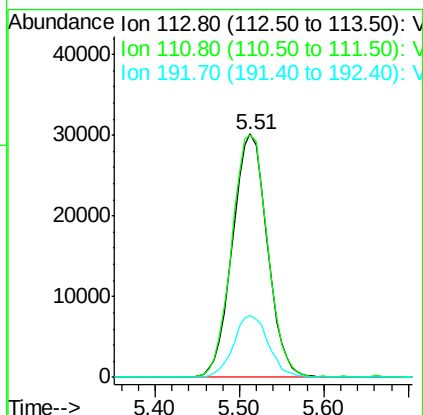
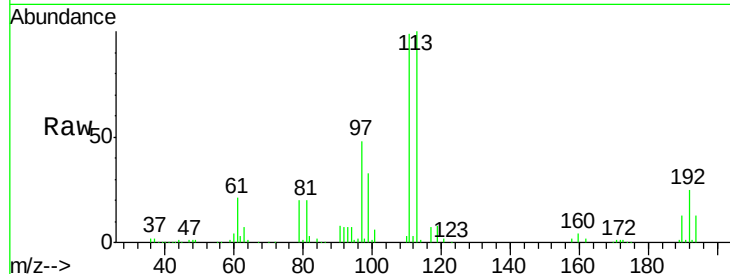




#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

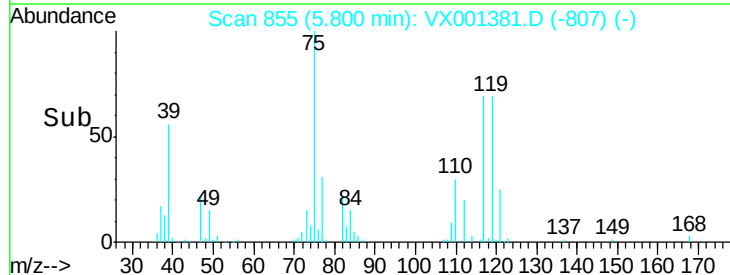
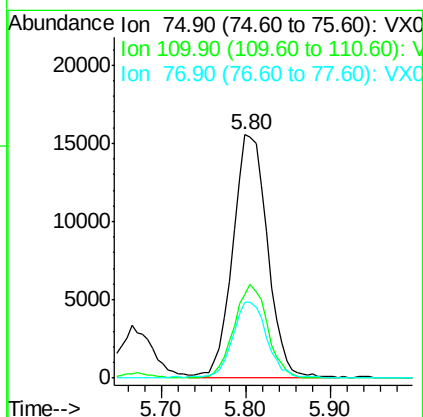
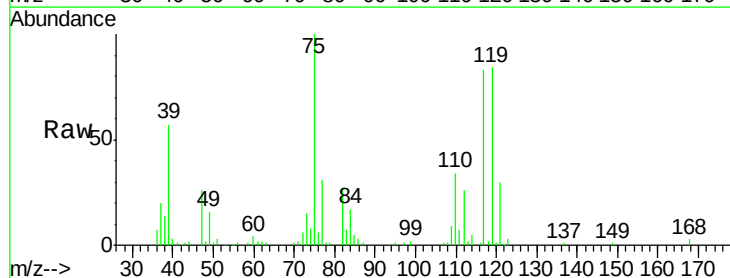
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

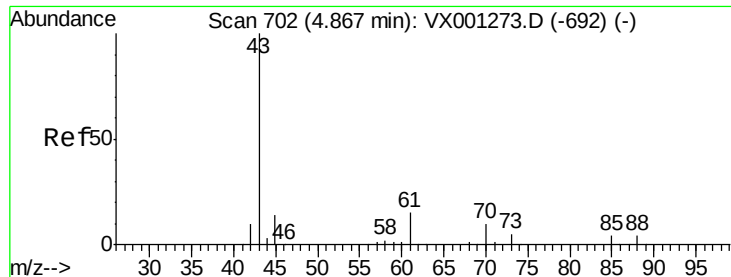
Tgt Ion:113 Resp: 84472
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.2 121.8
 192 25.5 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 18.50 ug/l
 RT: 5.80 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 75 Resp: 42901
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.9 56.9
 77 29.9 24.2 36.2

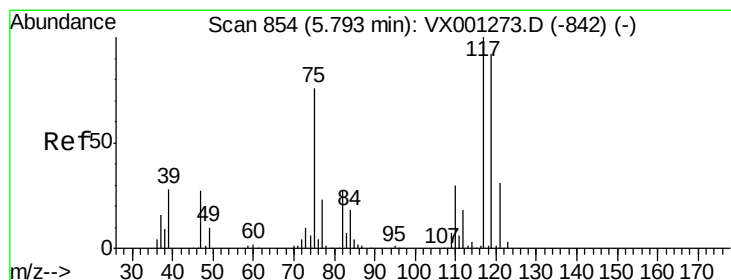
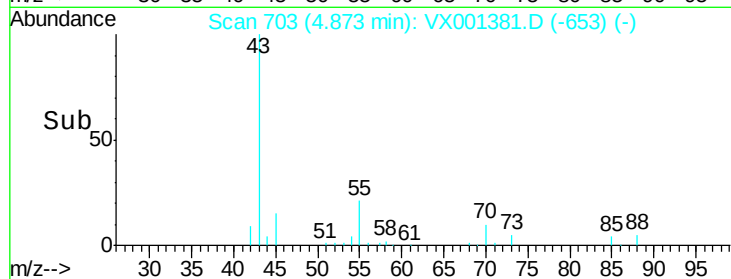
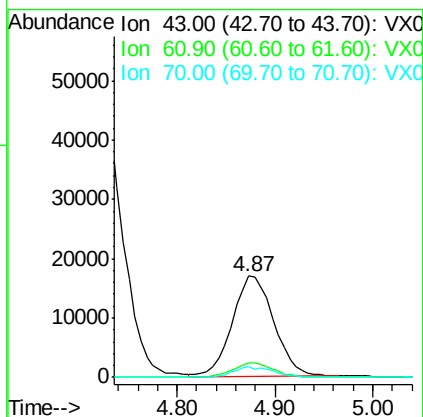
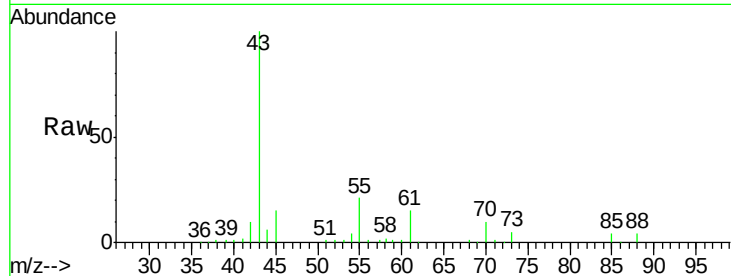




#37
Ethyl Acetate
Concen: 21.34 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

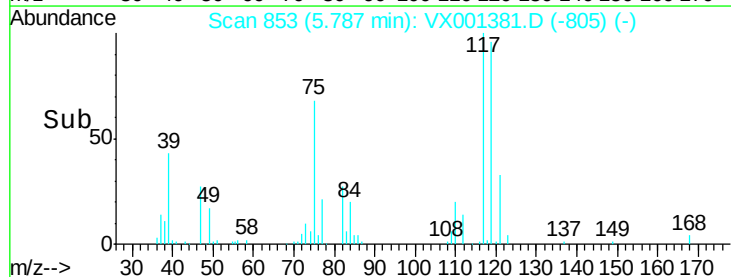
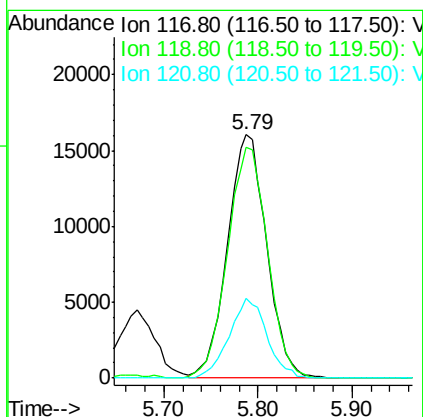
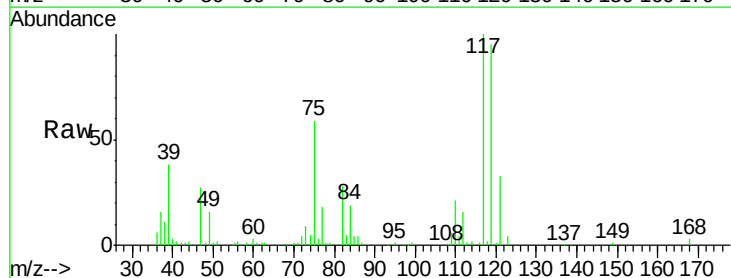
Instrument :
MSVOA_X
ClientSampled :
VX0503MBS02

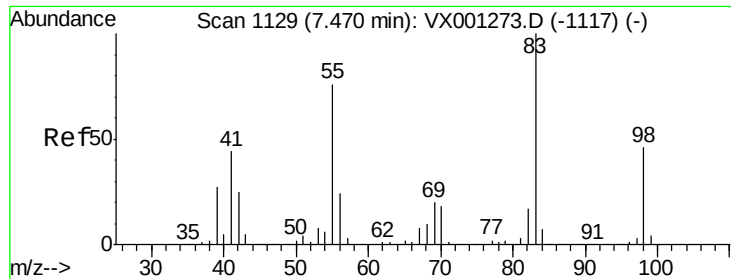
Tgt Ion: 43 Resp: 49986
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 10.2 8.0 12.0



#38
Carbon Tetrachloride
Concen: 19.11 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 117 Resp: 46448
Ion Ratio Lower Upper
117 100
119 94.8 73.4 110.2
121 33.0 25.0 37.4

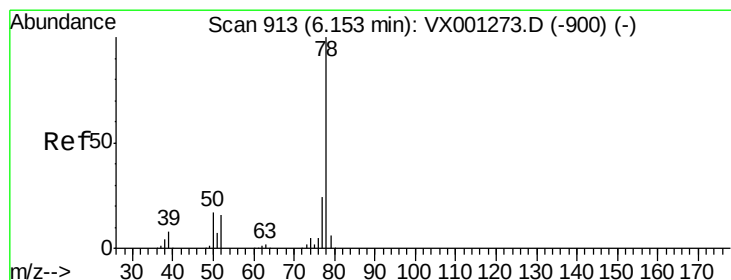
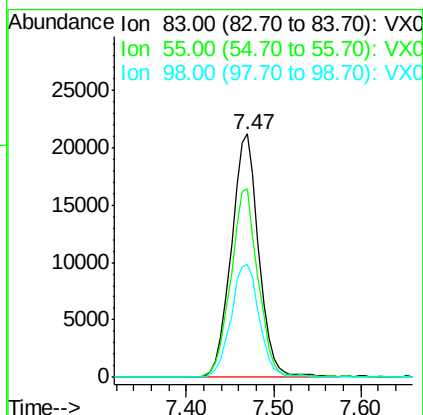
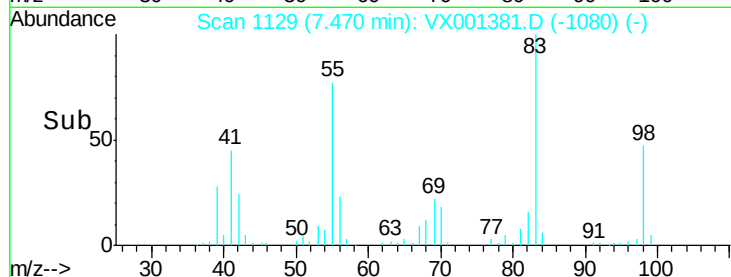
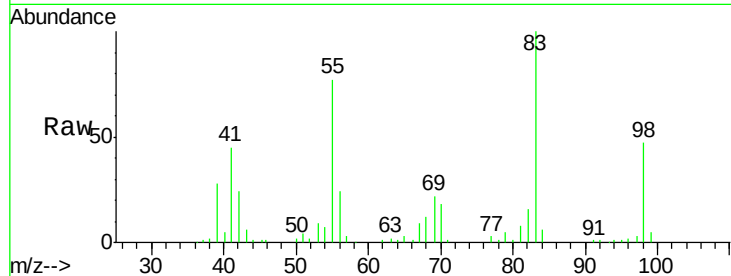




#39
Methylcyclohexane
Concen: 16.84 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

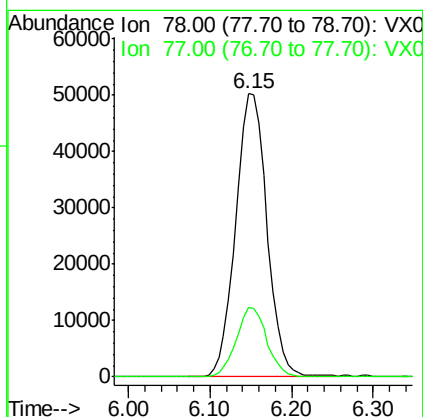
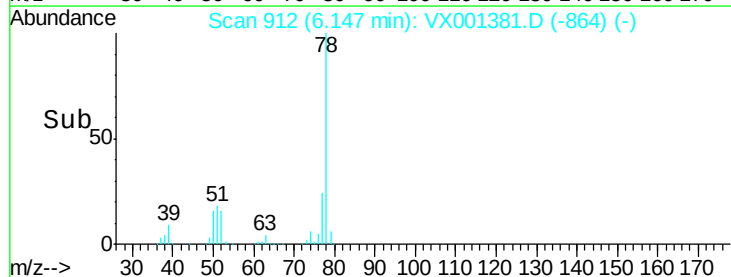
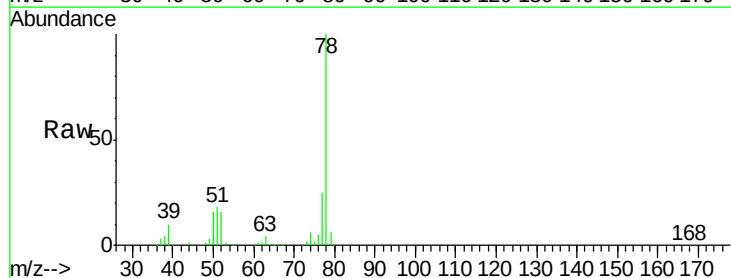
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

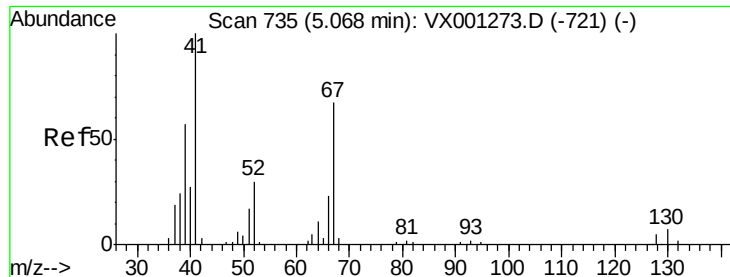
Tgt Ion: 83 Resp: 46194
Ion Ratio Lower Upper
83 100
55 77.3 60.4 90.6
98 46.5 37.0 55.6



#40
Benzene
Concen: 20.08 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 78 Resp: 133987
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.4

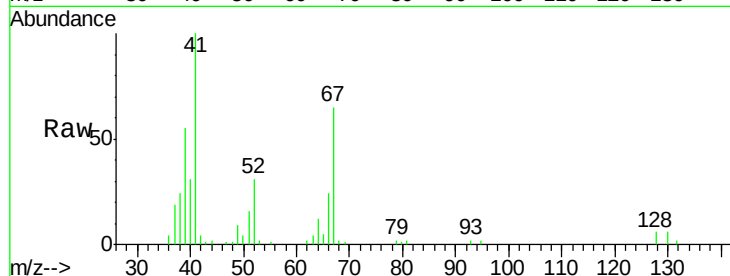




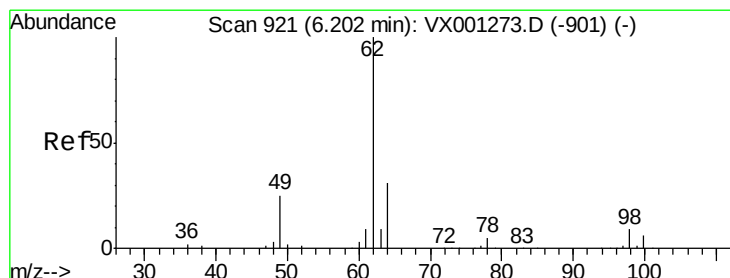
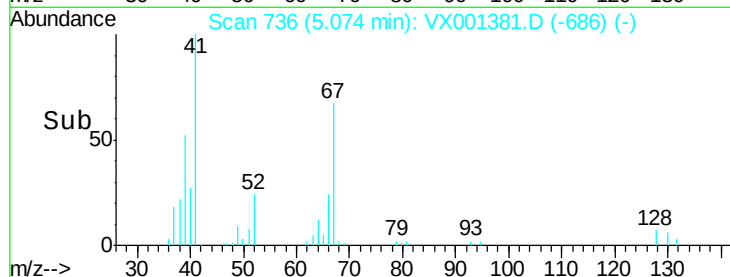
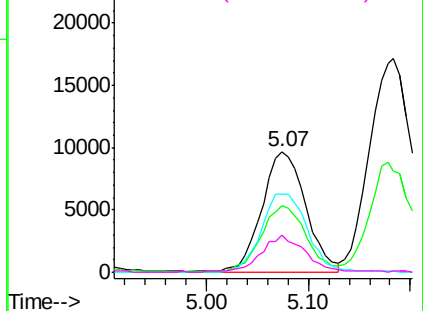
#41
Methacrylonitrile
Concen: 21.24 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Instrument :
MSVOA_X
ClientSampled :
VX0503MBS02

Tgt Ion:	41	Resp:	28977
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.8	68.8
67	68.3	54.8	82.2
52	30.3	24.6	37.0

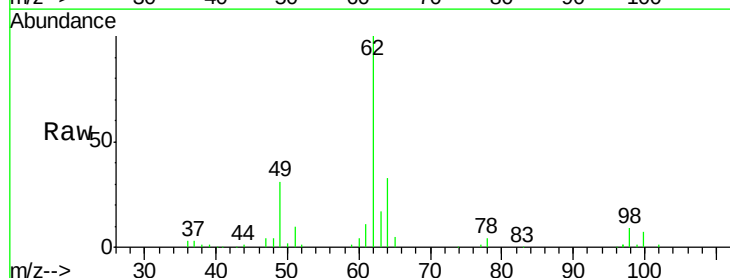


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

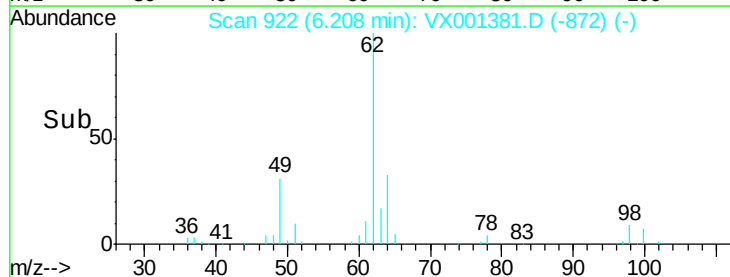
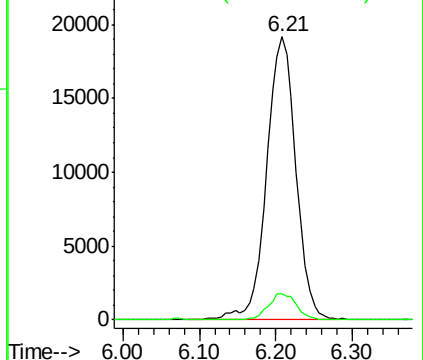


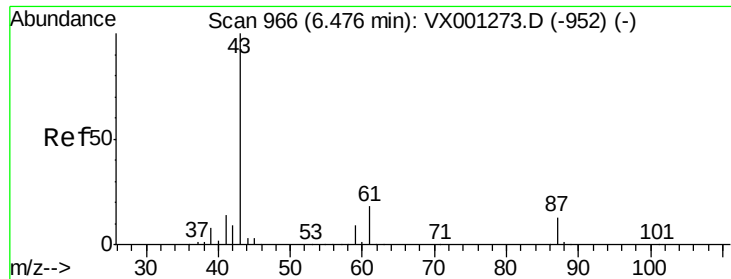
#42
1,2-Dichloroethane
Concen: 19.77 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion:	62	Resp:	51067
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 20.36 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

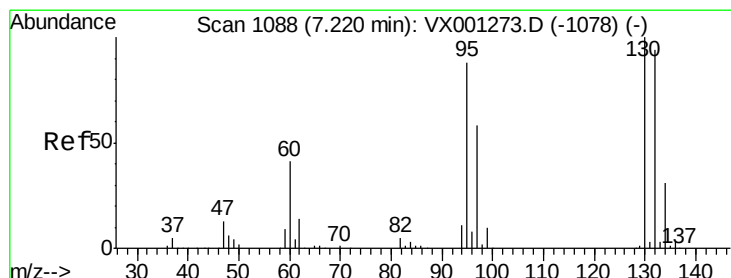
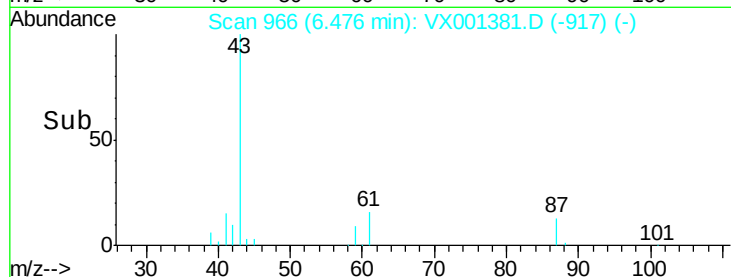
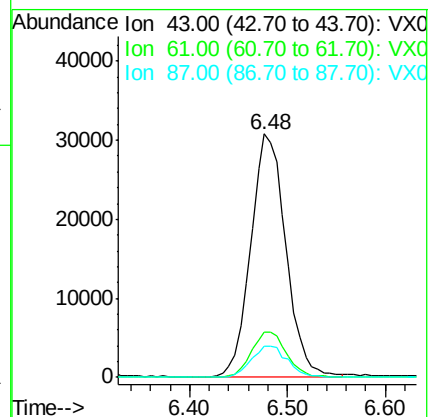
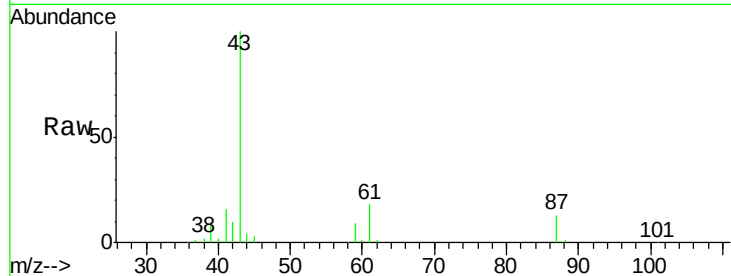
Tgt Ion: 43 Resp: 77219

Ion Ratio Lower Upper

43 100

61 18.8 15.0 22.4

87 13.2 10.2 15.4



#44

Trichloroethene

Concen: 20.70 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001381.D

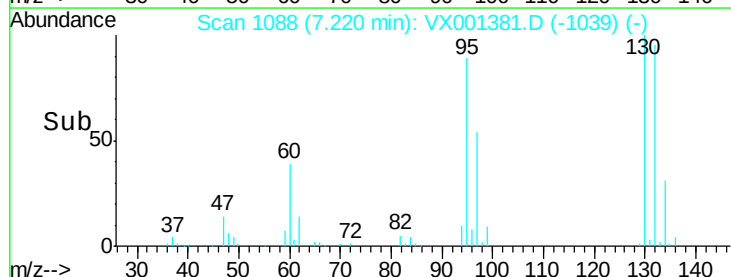
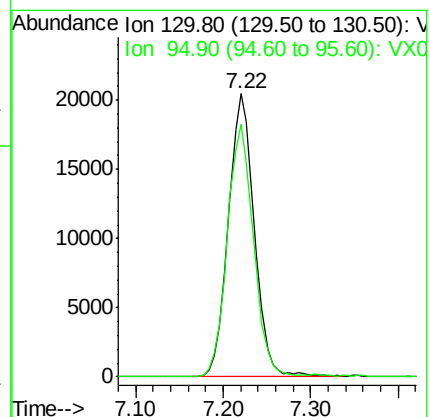
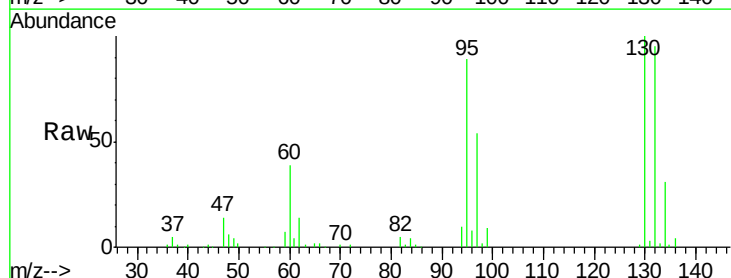
Acq: 04 May 2018 06:05

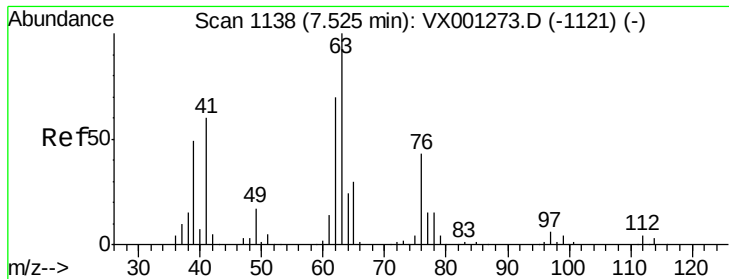
Tgt Ion: 130 Resp: 42274

Ion Ratio Lower Upper

130 100

95 89.1 0.0 176.0

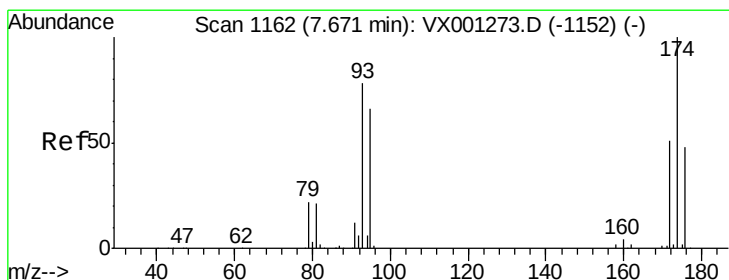
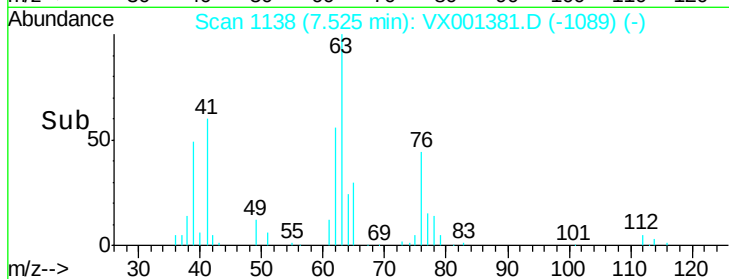
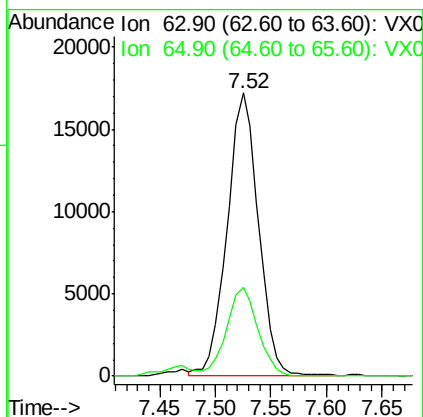
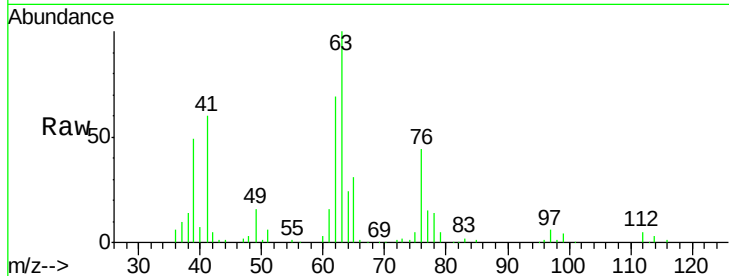




#45
 1,2-Dichloropropane
 Concen: 19.42 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

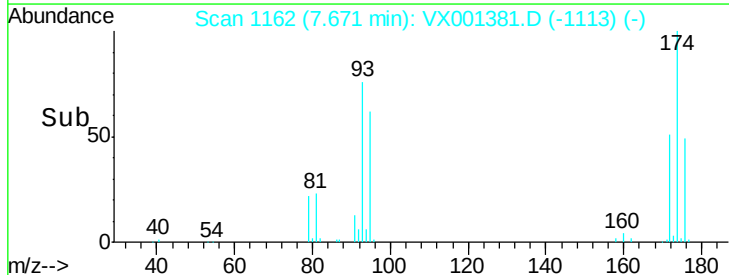
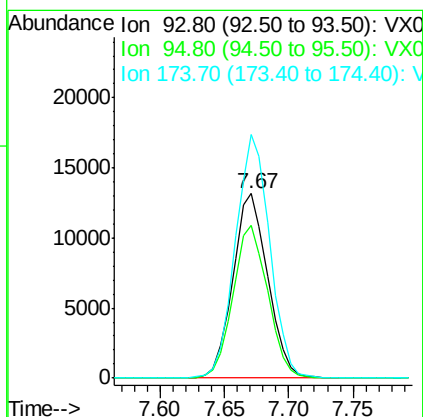
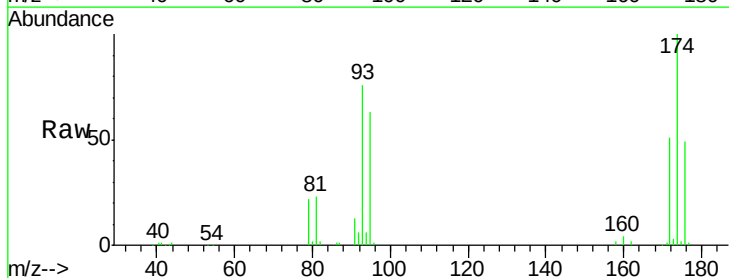
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

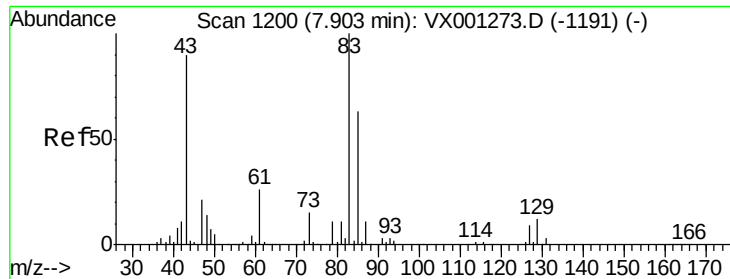
Tgt Ion: 63 Resp: 33268
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 20.61 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 93 Resp: 24758
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 129.4 102.3 153.5





#47

Bromodichloromethane

Concen: 19.96 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

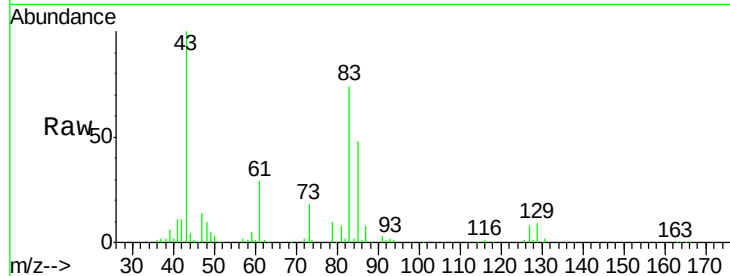
Tgt Ion: 83 Resp: 42867

Ion Ratio Lower Upper

83 100

85 64.6 50.3 75.5

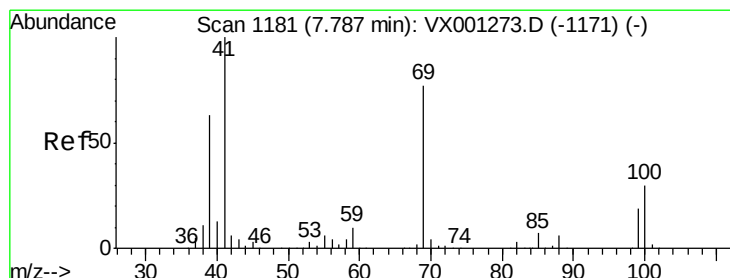
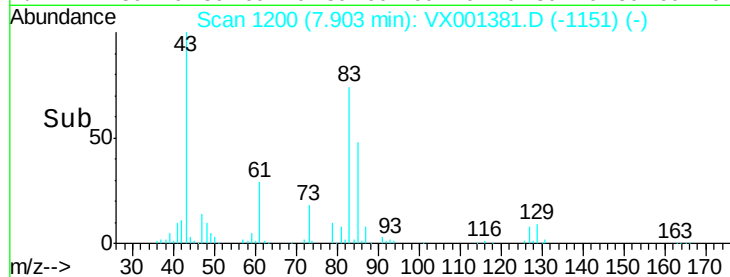
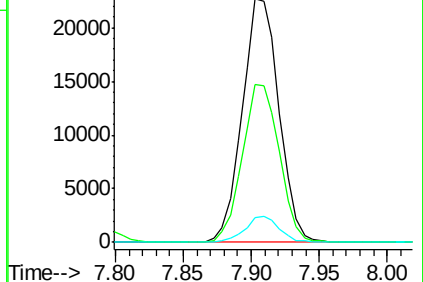
127 10.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.08 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

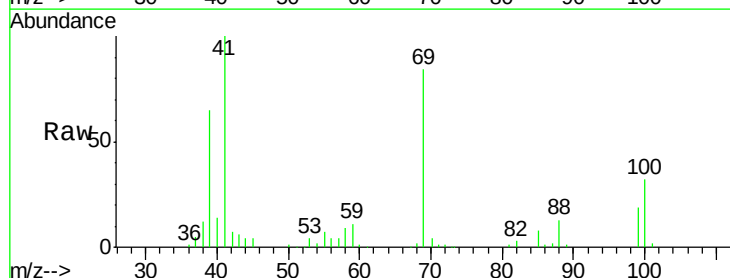
Tgt Ion: 41 Resp: 40482

Ion Ratio Lower Upper

41 100

69 82.0 63.0 94.6

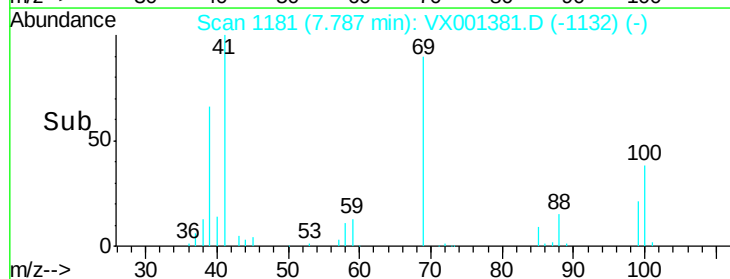
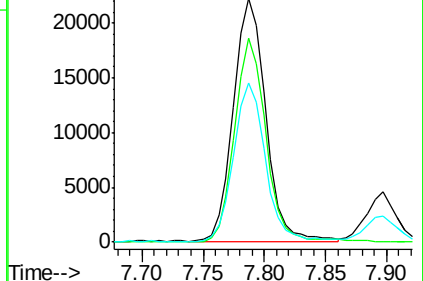
39 64.4 50.2 75.4

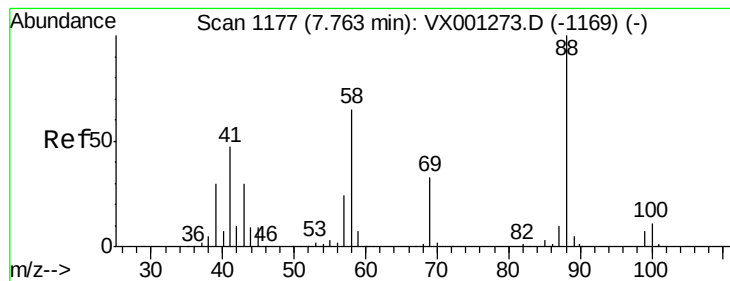


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 495.97 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

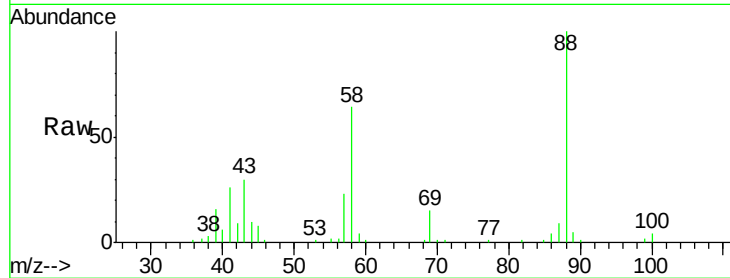
Tgt Ion: 88 Resp: 18866

Ion Ratio Lower Upper

88 100

43 33.8 27.9 41.9

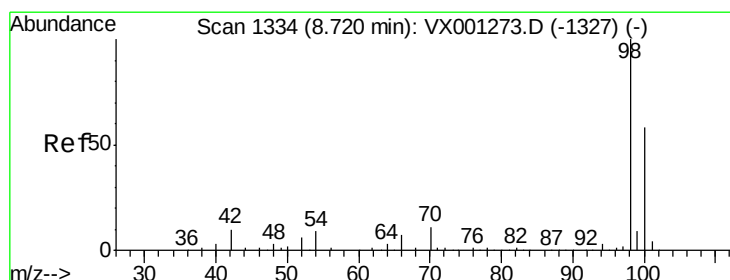
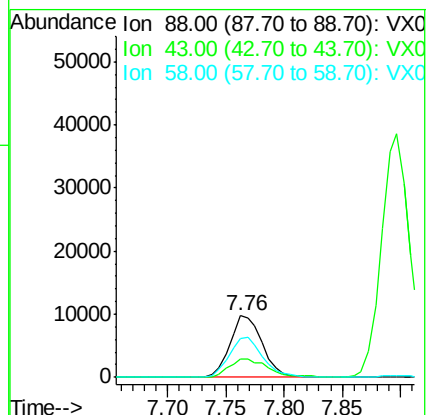
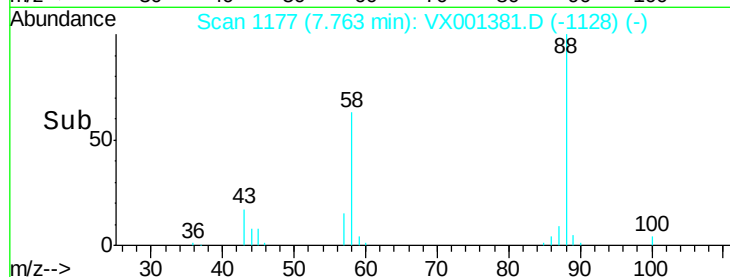
58 68.0 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001381.D

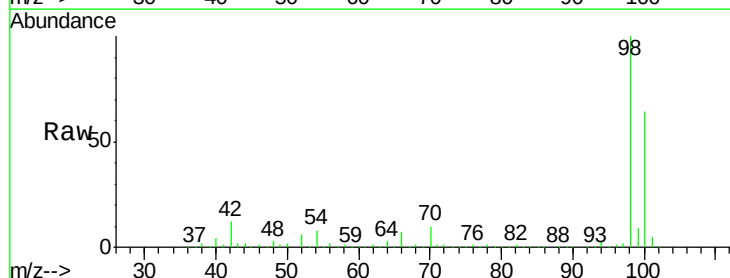
Acq: 04 May 2018 06:05

Tgt Ion: 98 Resp: 311761

Ion Ratio Lower Upper

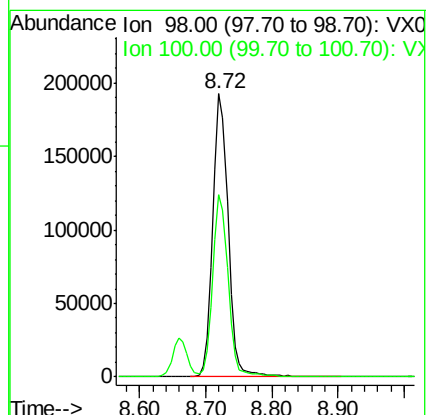
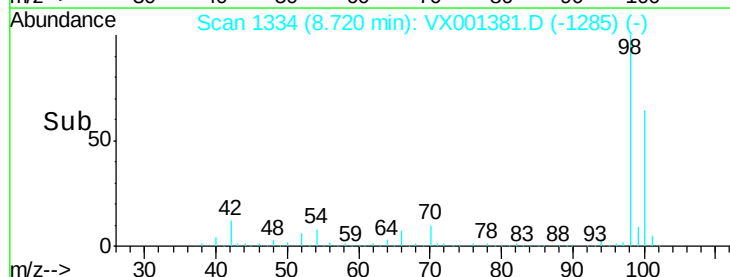
98 100

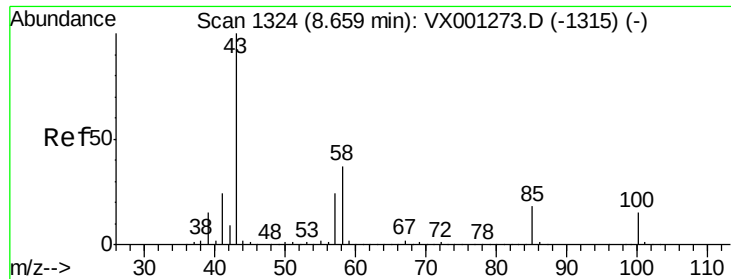
100 64.5 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 113.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

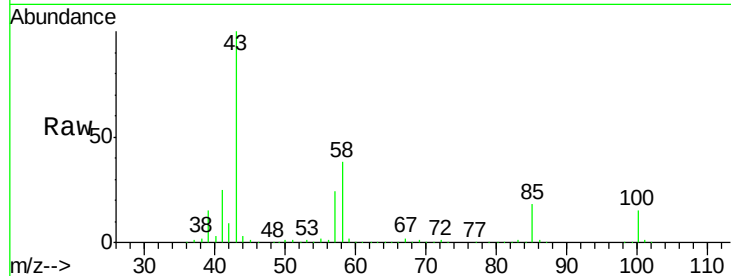
VX0503MBS02

Tgt Ion: 43 Resp: 276713

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

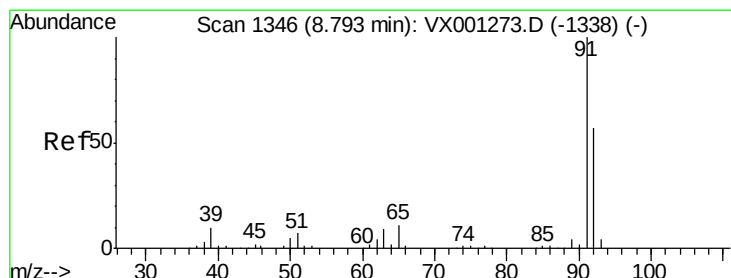
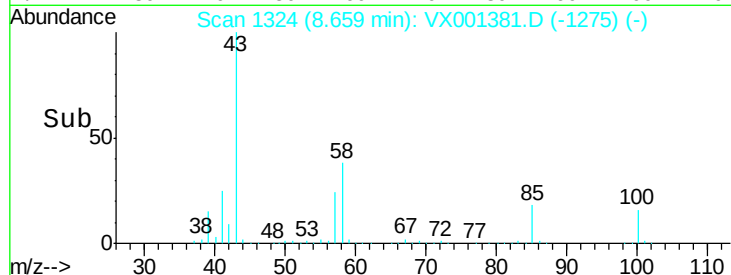
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.72 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001381.D

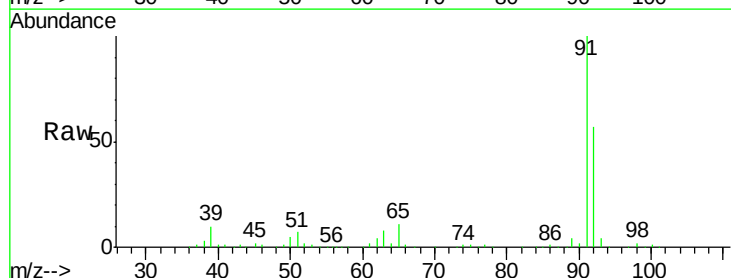
Acq: 04 May 2018 06:05

Tgt Ion: 92 Resp: 86029

Ion Ratio Lower Upper

92 100

91 177.9 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

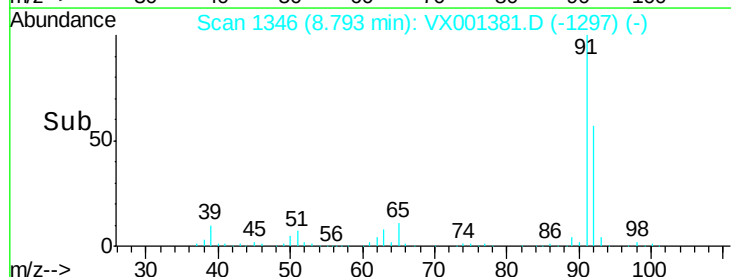
60000

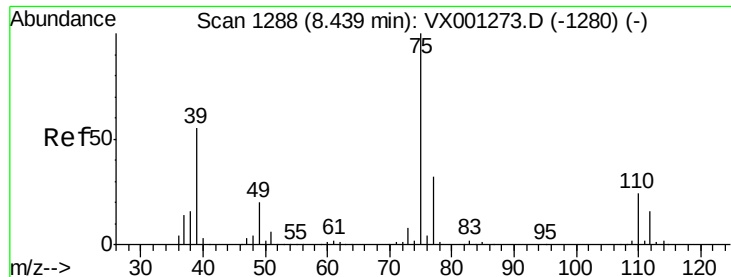
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.48 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

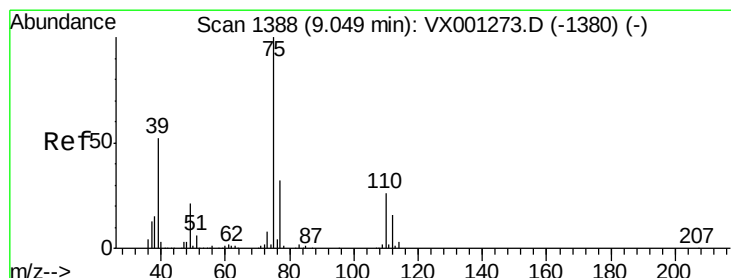
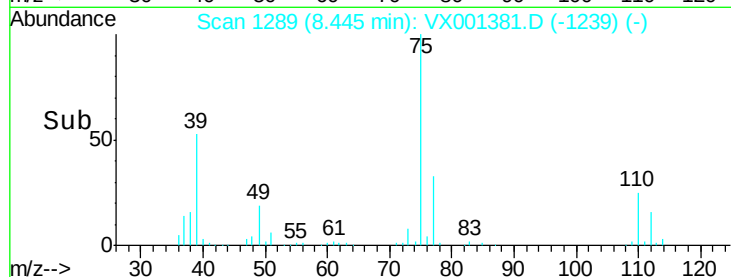
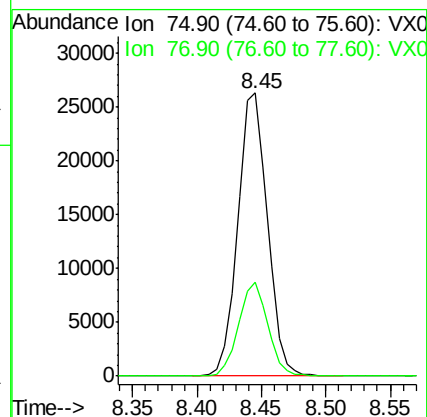
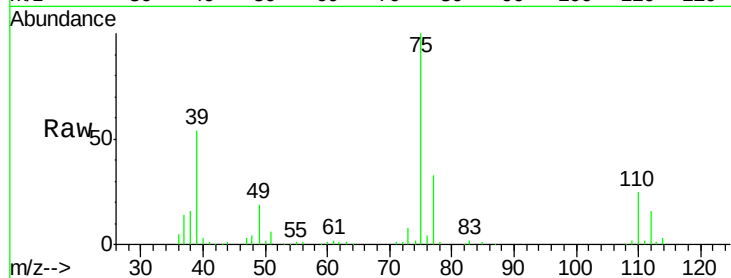
VX0503MBS02

Tgt Ion: 75 Resp: 42078

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 15.69 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

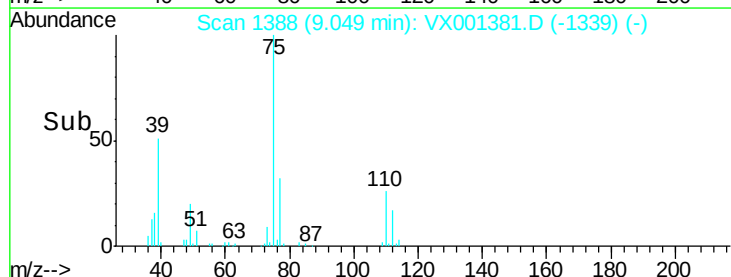
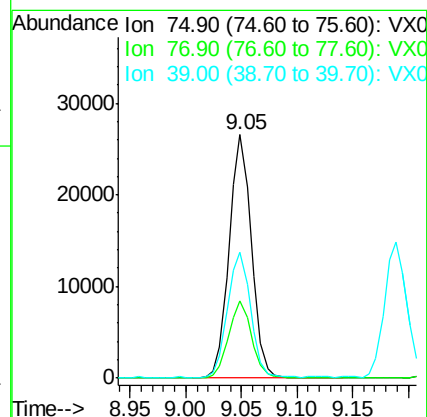
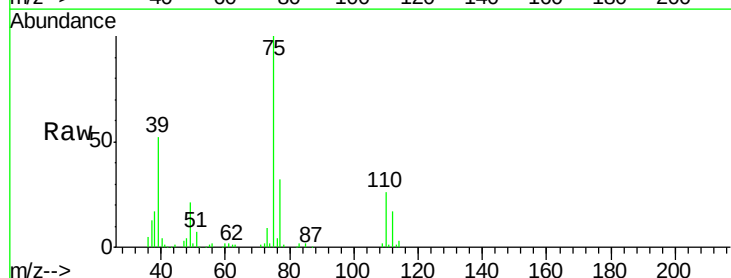
Tgt Ion: 75 Resp: 36860

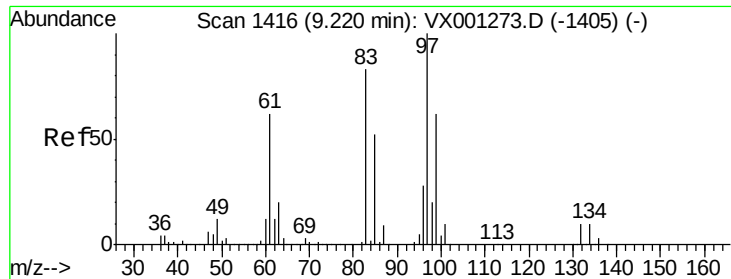
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 51.6 41.9 62.9

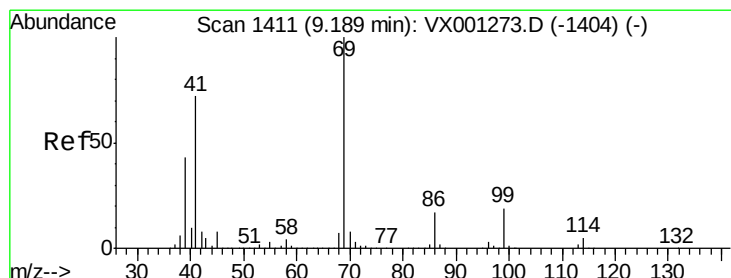
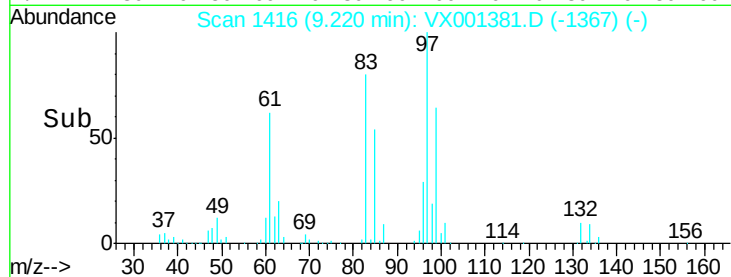
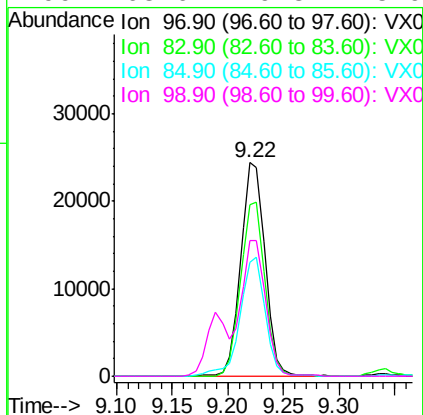
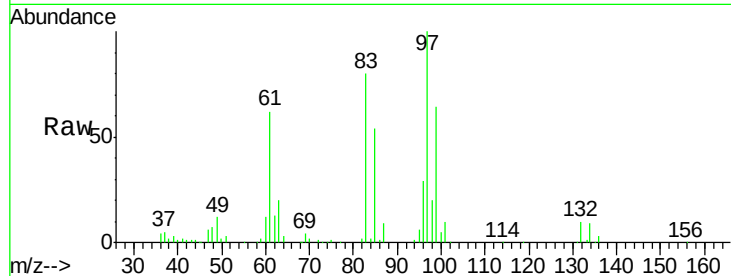




#55
 1,1,2-Trichloroethane
 Concen: 21.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

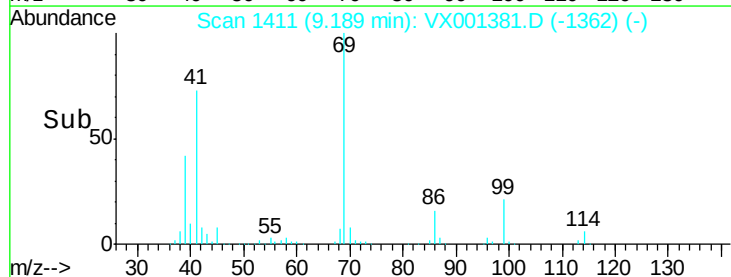
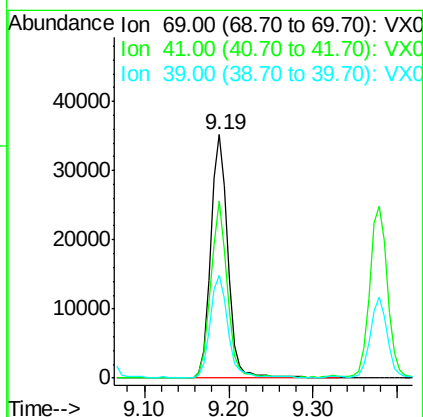
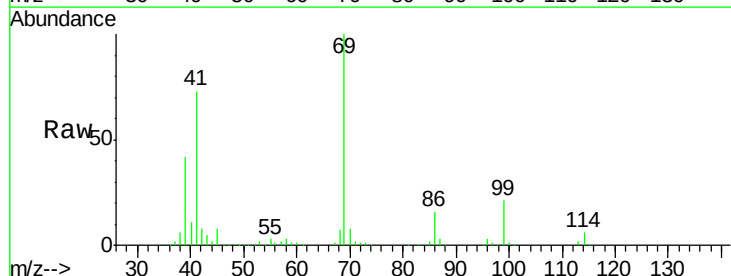
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

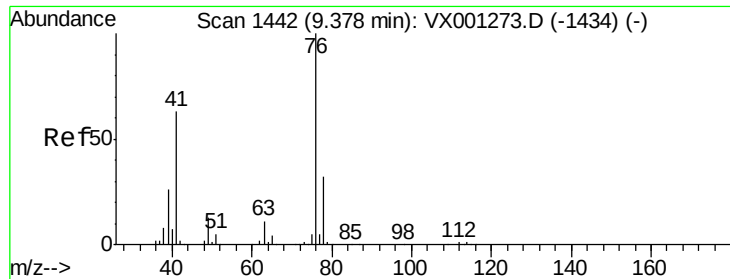
Tgt Ion:	97	Resp:	37086
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.4	99.6
85	53.6	41.6	62.4
99	63.6	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 20.52 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion:	69	Resp:	50090
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.2	85.8
39	43.5	34.3	51.5

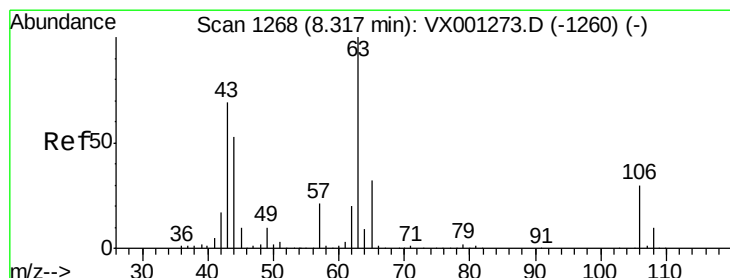
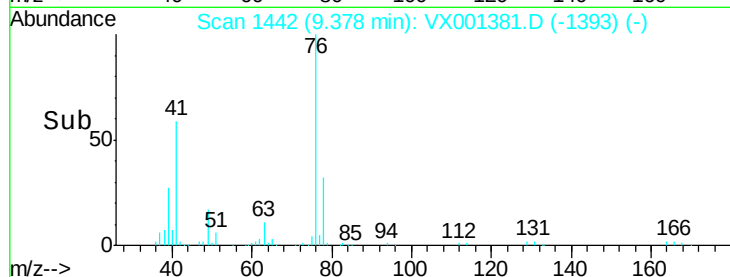
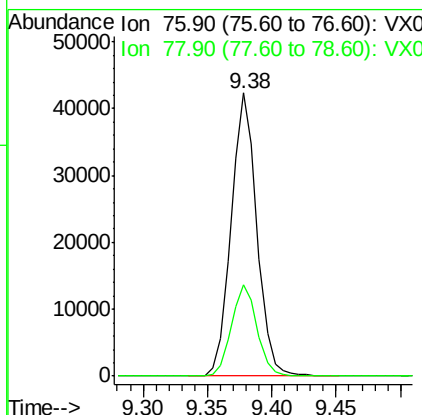
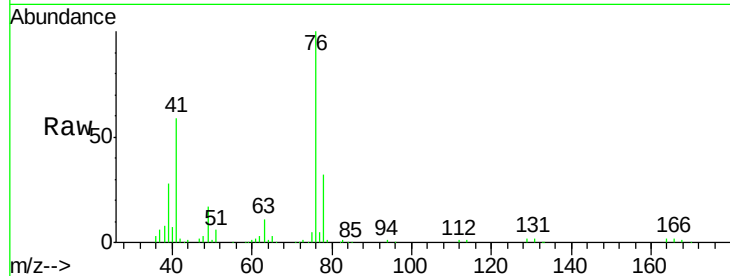




#57
 1,3-Dichloropropane
 Concen: 20.78 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

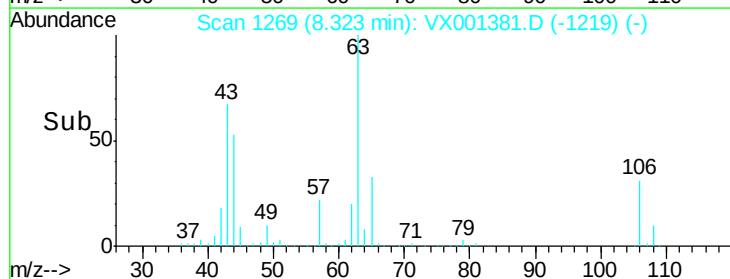
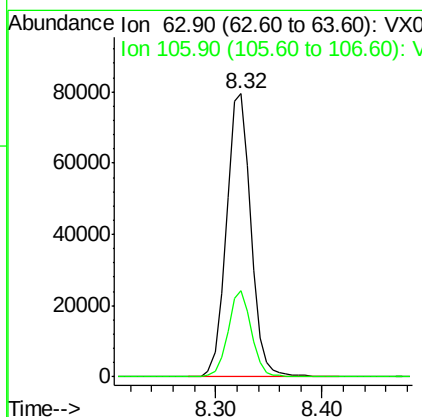
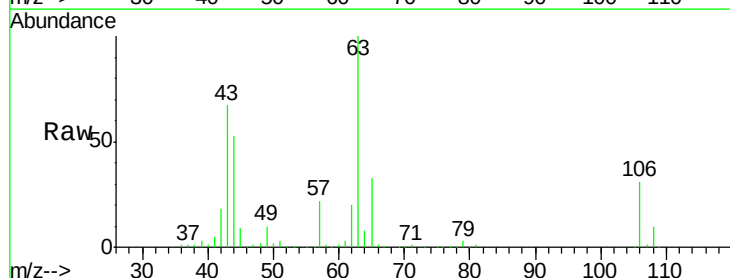
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

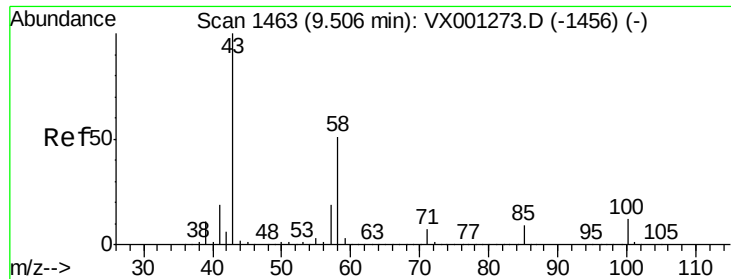
Tgt Ion: 76 Resp: 58900
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.77 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 63 Resp: 128107
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.6

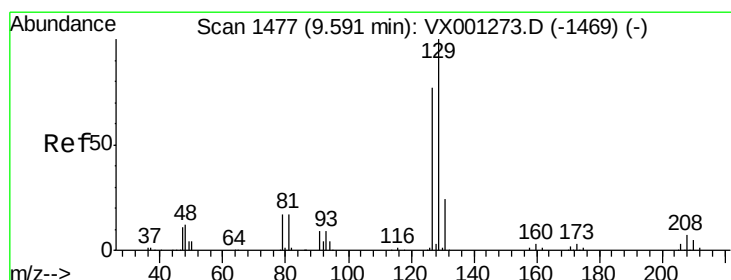
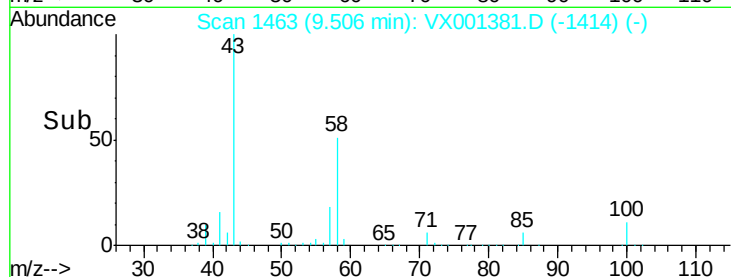
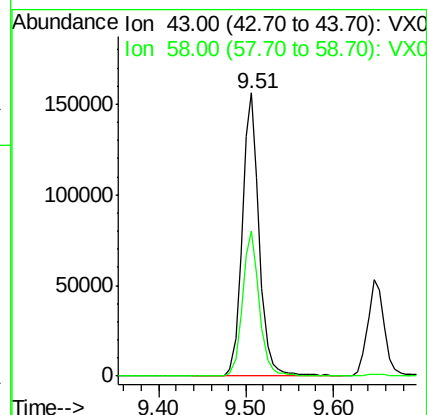
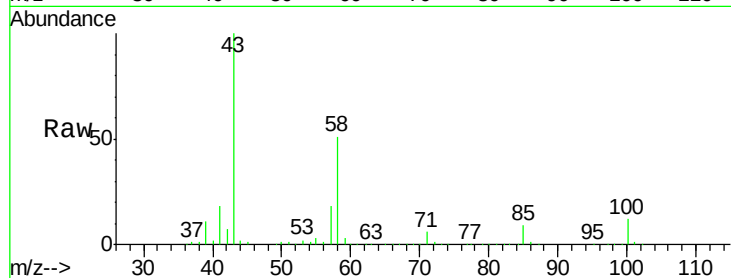




#59
2-Hexanone
Concen: 110.88 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

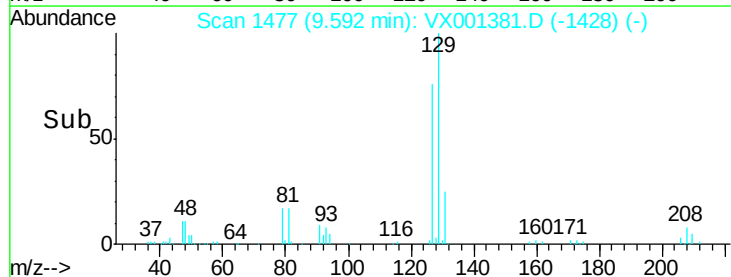
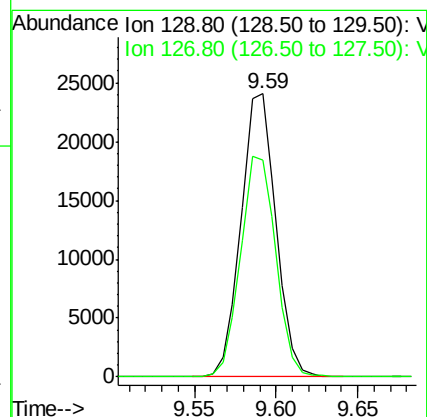
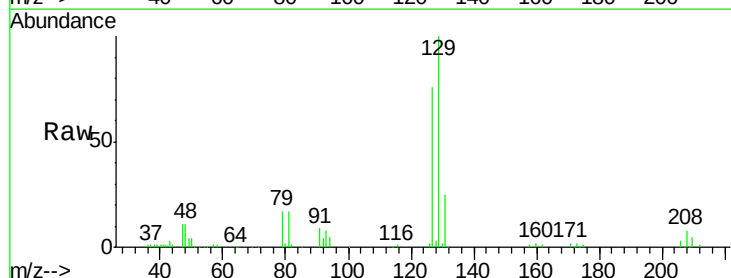
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

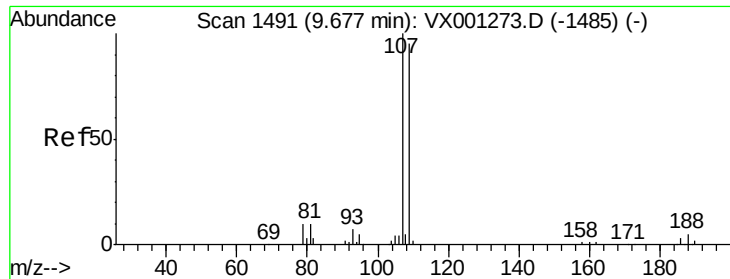
Tgt Ion: 43 Resp: 211854
Ion Ratio Lower Upper
43 100
58 51.0 25.7 77.0



#60
Dibromochloromethane
Concen: 19.57 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 129 Resp: 35960
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

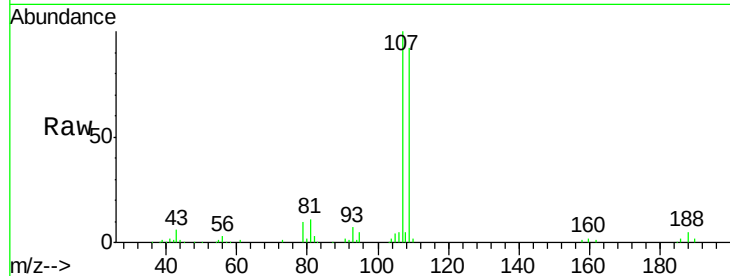
VX0503MBS02

Tgt Ion: 107 Resp: 39417

Ion Ratio Lower Upper

107 100

109 93.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

30000

25000

20000

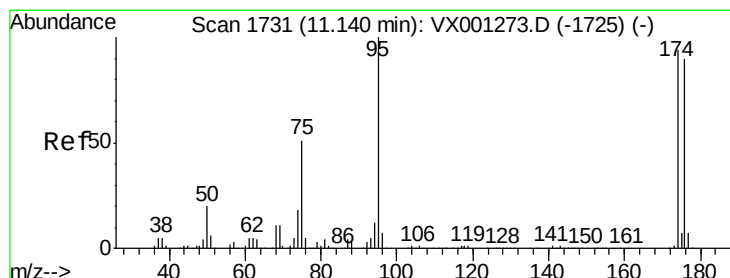
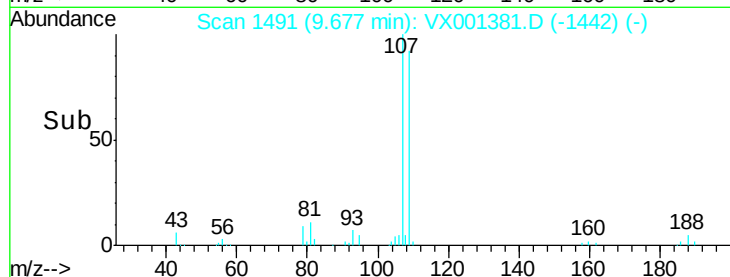
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

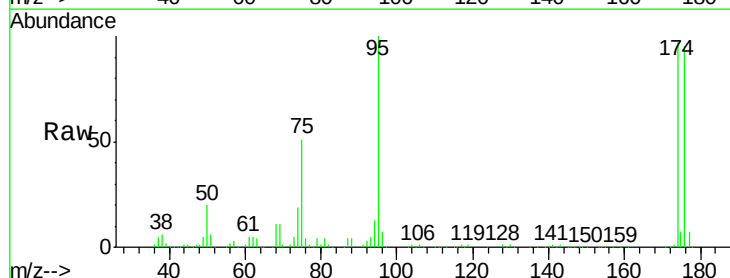
Tgt Ion: 95 Resp: 112858

Ion Ratio Lower Upper

95 100

174 106.4 0.0 201.8

176 104.0 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

120000

100000

80000

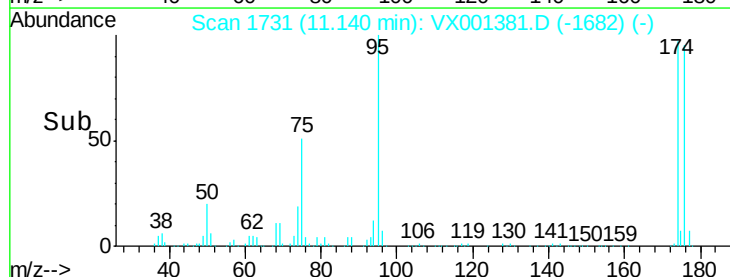
60000

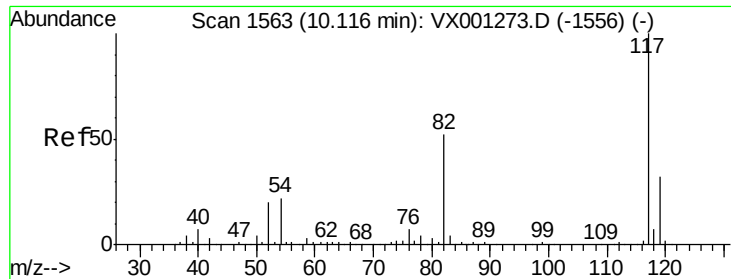
40000

20000

0

Time-->

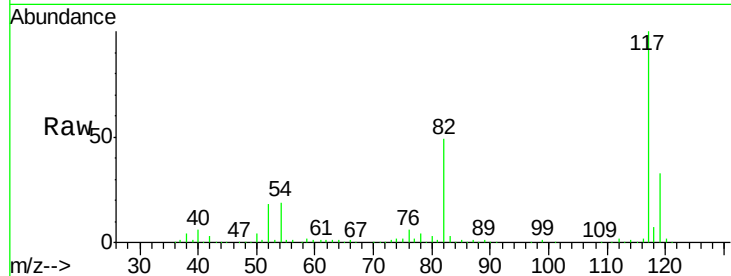




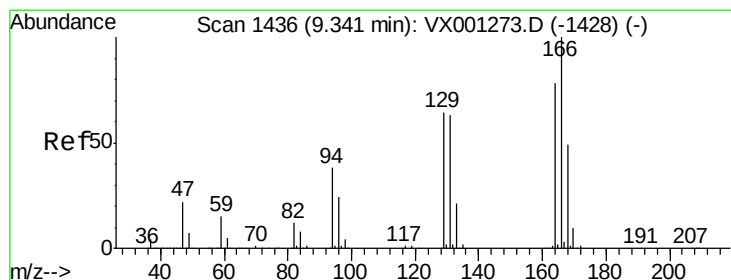
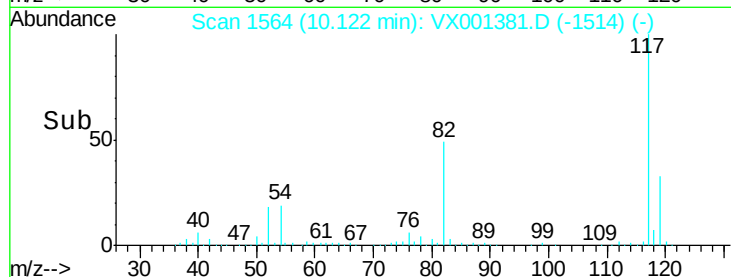
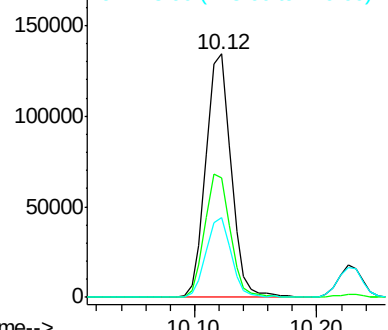
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

Tgt Ion:117 Resp: 191162
Ion Ratio Lower Upper
117 100
82 49.3 41.4 62.0
119 32.8 25.5 38.3

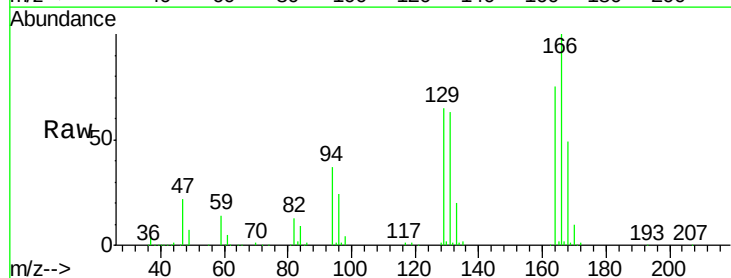


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

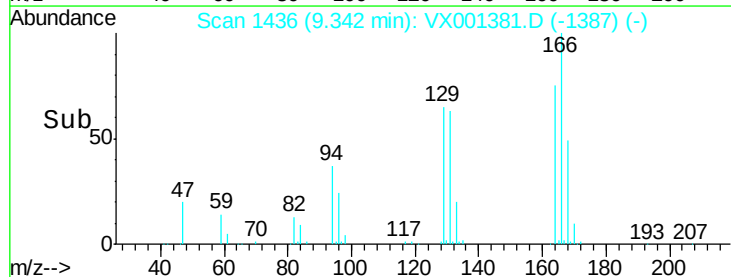
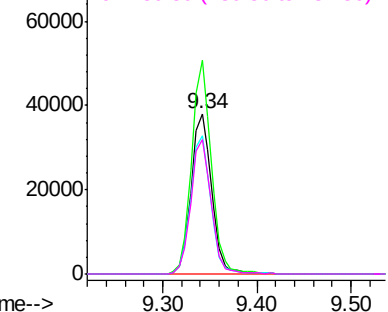


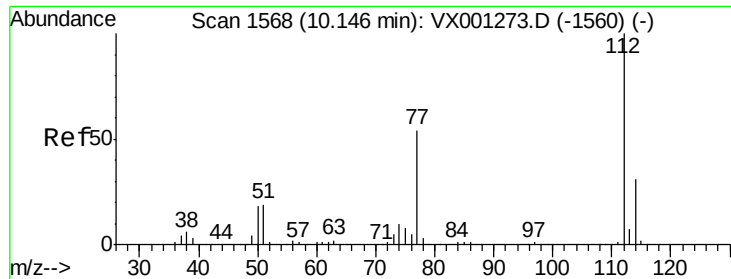
#64
Tetrachloroethene
Concen: 25.37 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion:164 Resp: 57465
Ion Ratio Lower Upper
164 100
166 133.0 102.3 153.5
129 86.0 65.1 97.7
131 84.1 64.2 96.4



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





#65

Chlorobenzene

Concen: 19.54 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

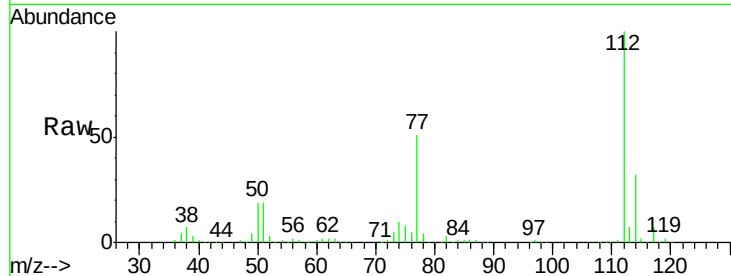
VX0503MBS02

Tgt Ion:112 Resp: 101604

Ion Ratio Lower Upper

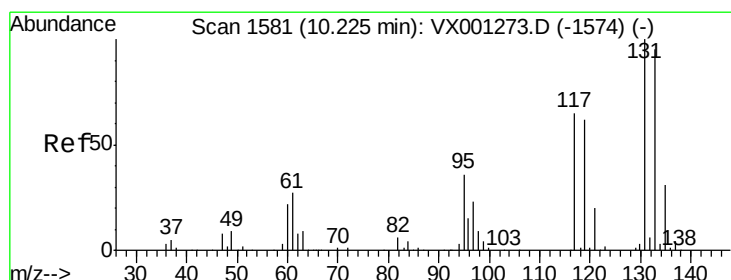
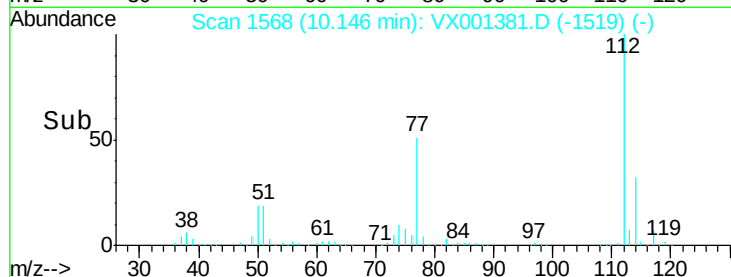
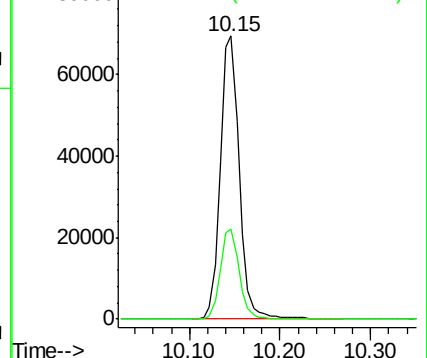
112 100

114 31.8 24.8 37.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

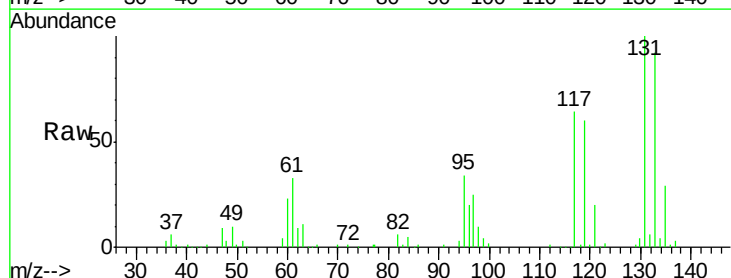
Tgt Ion:131 Resp: 37178

Ion Ratio Lower Upper

131 100

133 94.0 48.3 144.9

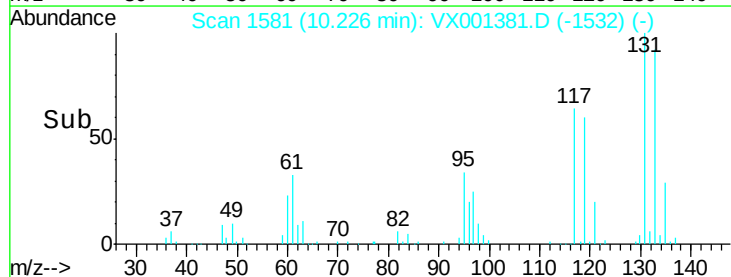
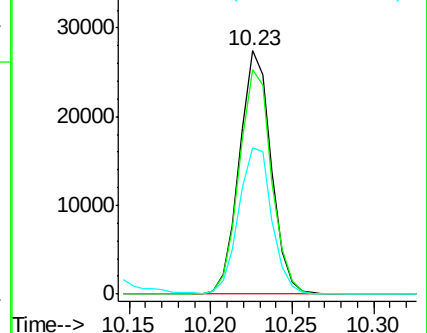
119 63.1 31.2 93.6

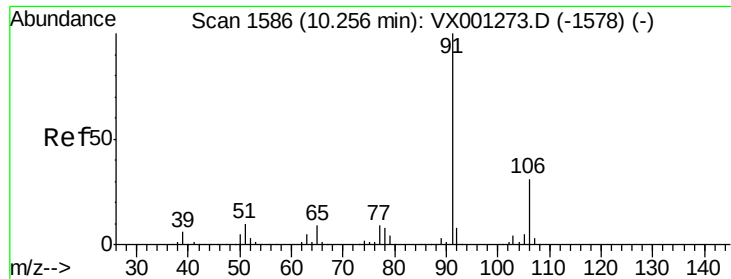


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

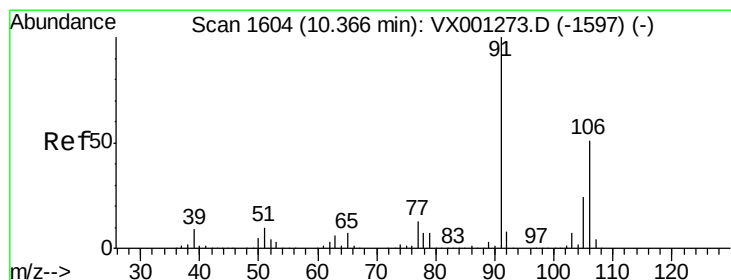
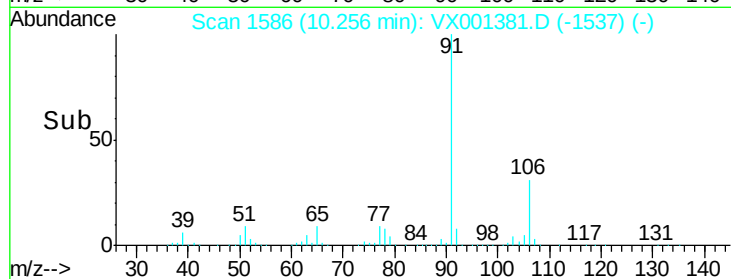
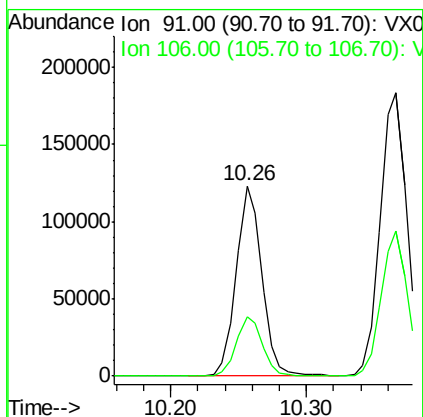
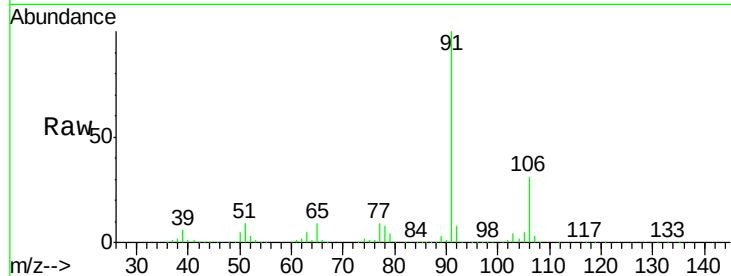




#67
Ethyl Benzene
Concen: 18.93 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

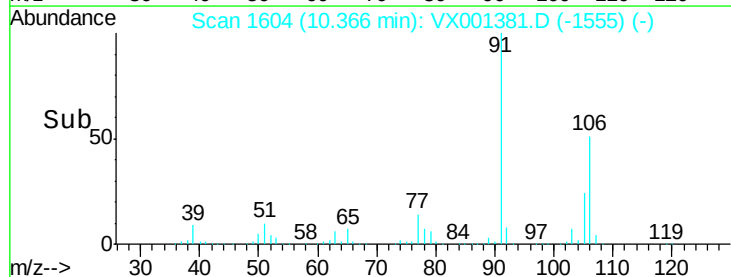
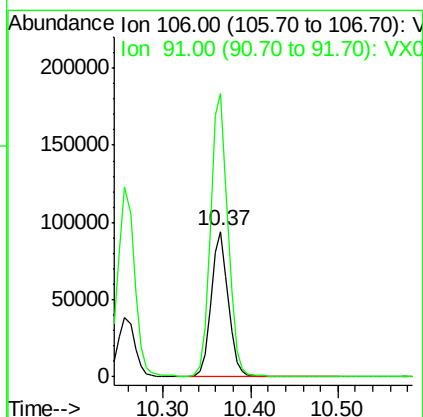
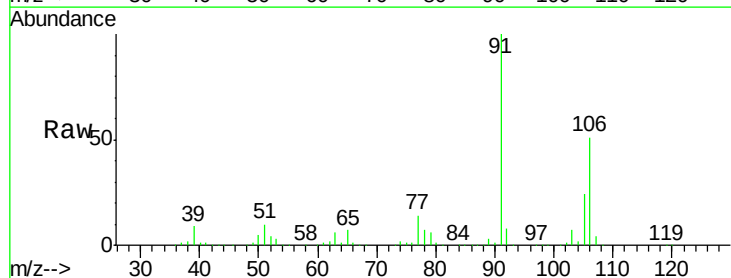
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBS02

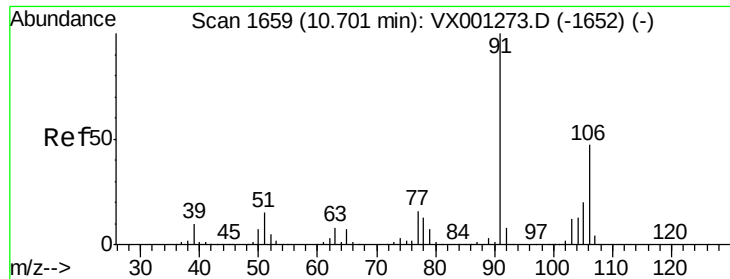
Tgt Ion: 91 Resp: 162175
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 37.95 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion: 106 Resp: 127919
Ion Ratio Lower Upper
106 100
91 199.6 159.4 239.2

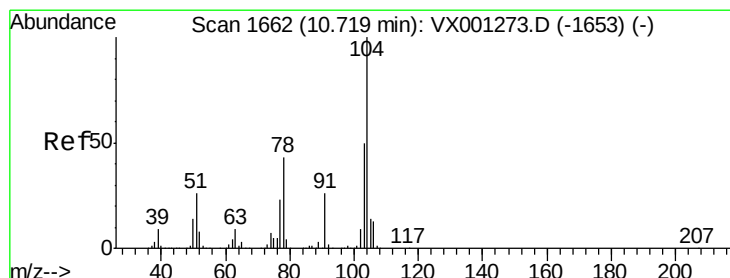
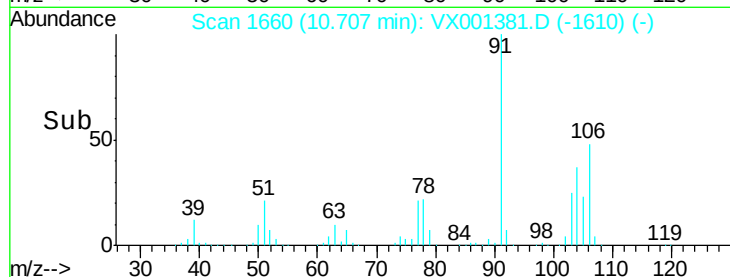
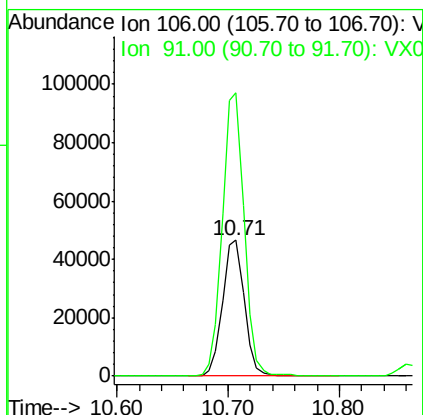
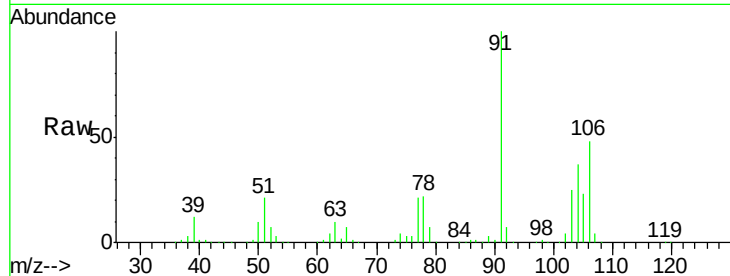




#69
o-Xylene
Concen: 19.31 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

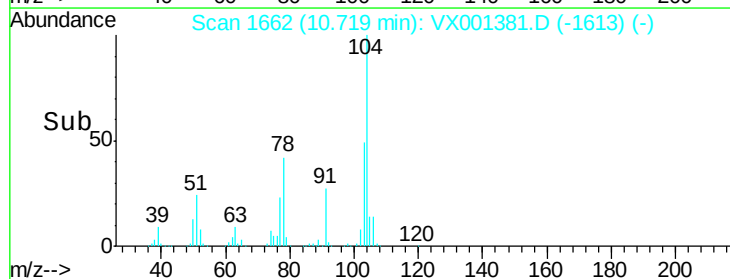
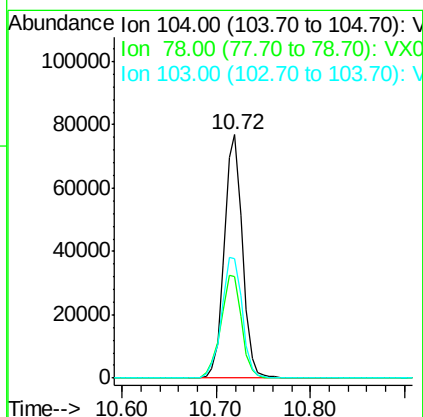
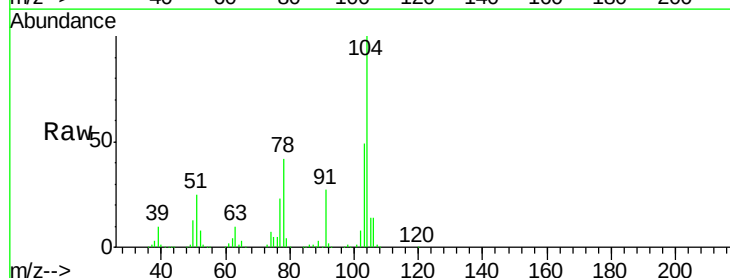
Instrument :
MSVOA_X
ClientSampled :
VX0503MBS02

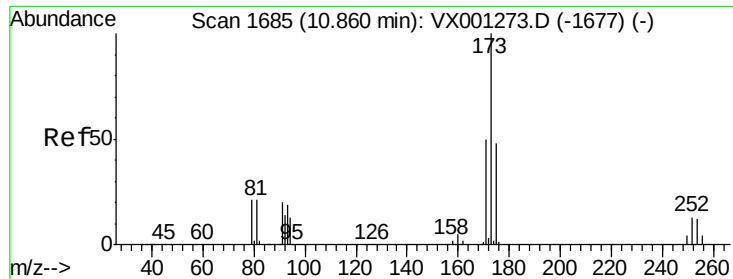
Tgt Ion:106 Resp: 63143
Ion Ratio Lower Upper
106 100
91 208.6 106.3 319.0



#70
Styrene
Concen: 19.29 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001381.D
Acq: 04 May 2018 06:05

Tgt Ion:104 Resp: 103163
Ion Ratio Lower Upper
104 100
78 48.5 40.1 60.1
103 56.2 44.5 66.7





#71

Bromoform

Concen: 19.21 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

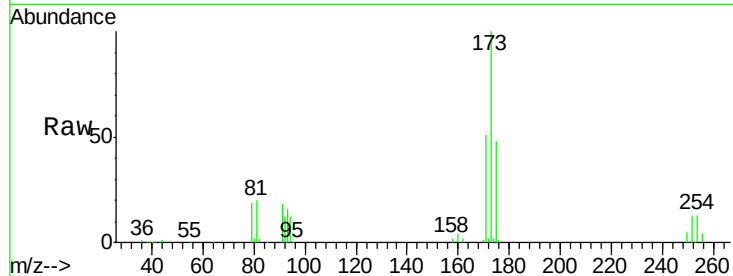
Tgt Ion:173 Resp: 28923

Ion Ratio Lower Upper

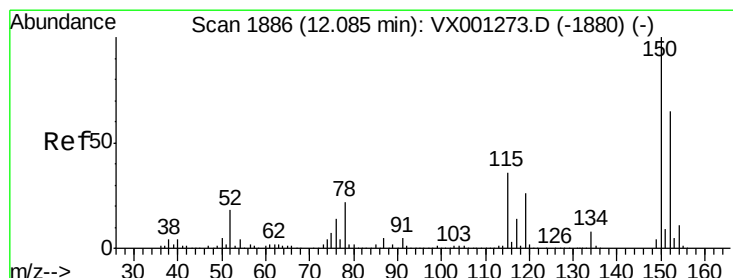
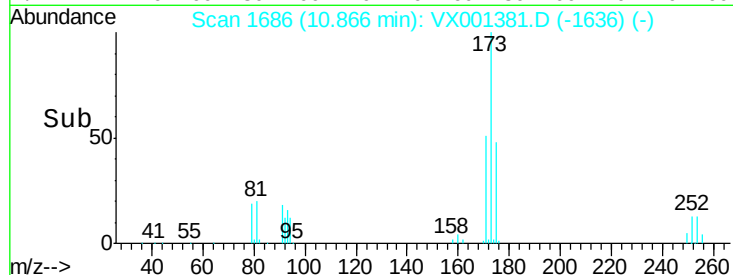
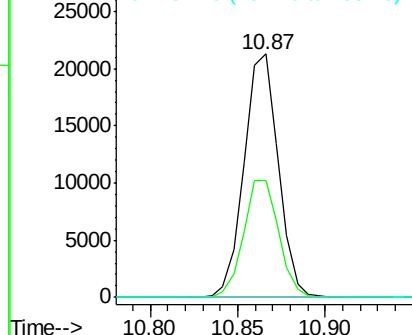
173 100

175 49.5 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

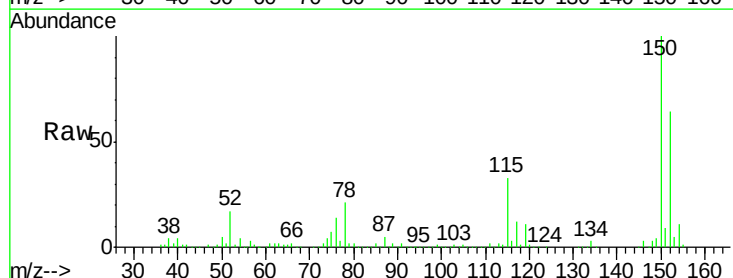
Tgt Ion:152 Resp: 125885

Ion Ratio Lower Upper

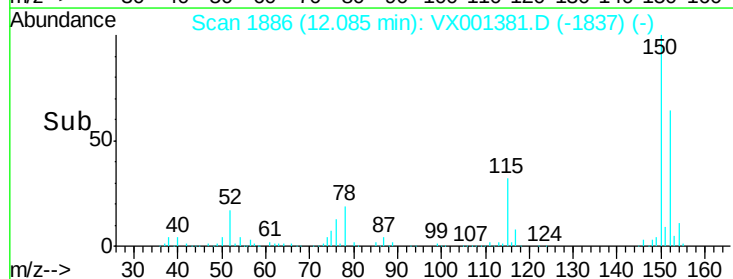
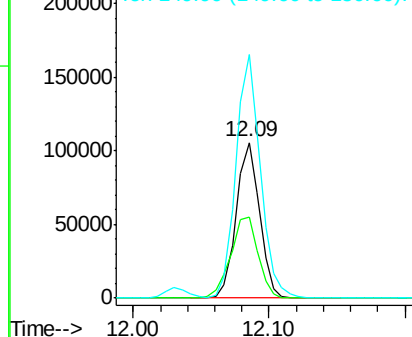
152 100

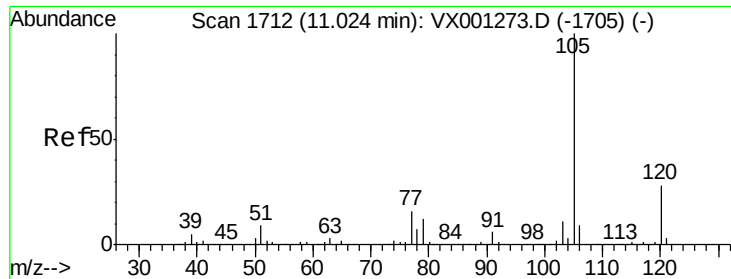
115 61.5 38.6 115.7

150 163.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

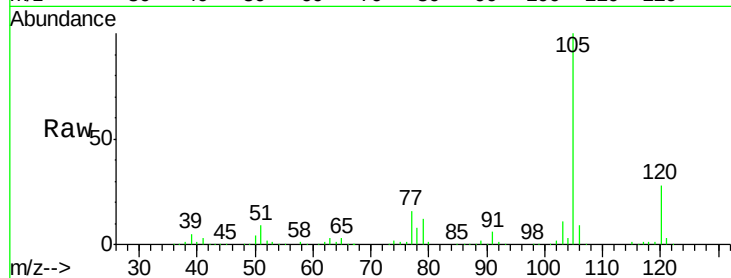
VX0503MBS02

Tgt Ion: 105 Resp: 169098

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

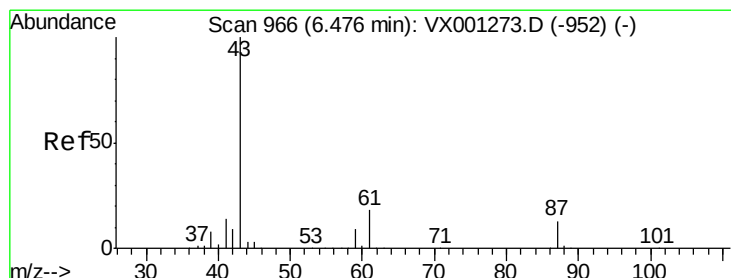
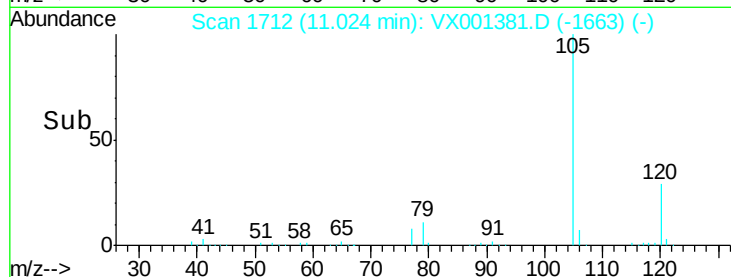
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.37 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Tgt Ion: 43 Resp: 77219

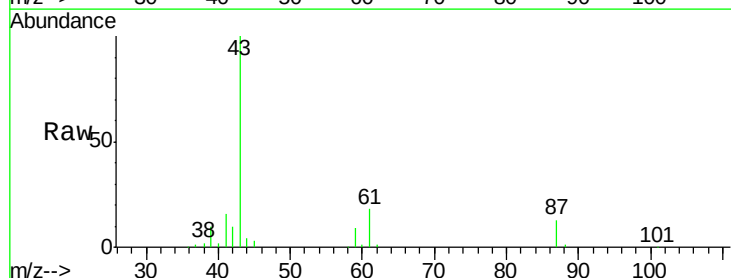
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.2 0.1 0.1#

61 18.8 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.48

40000

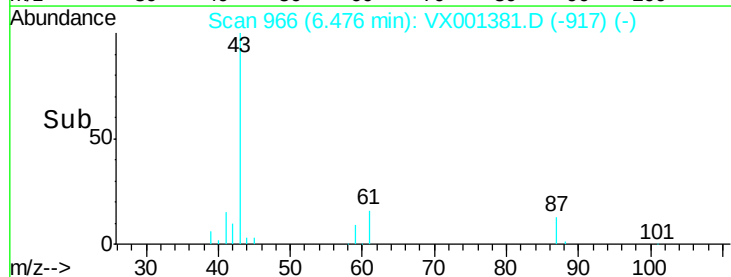
30000

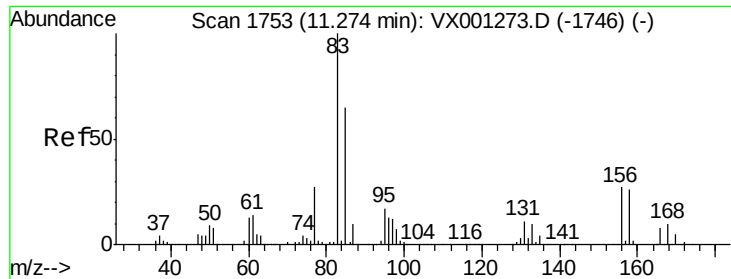
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.07 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampled :

VX0503MBS02

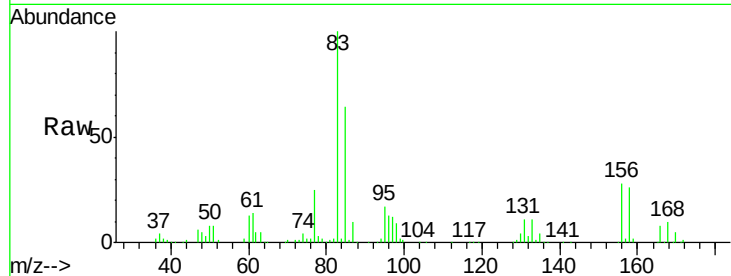
Tgt Ion: 83 Resp: 50638

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.3

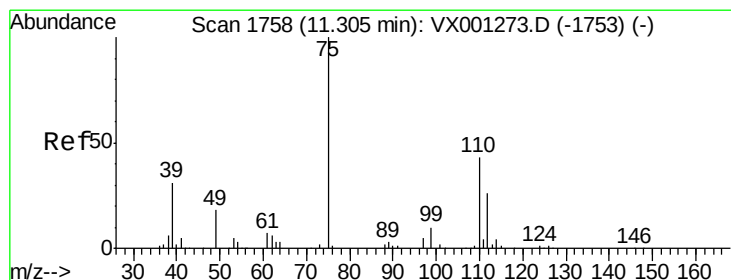
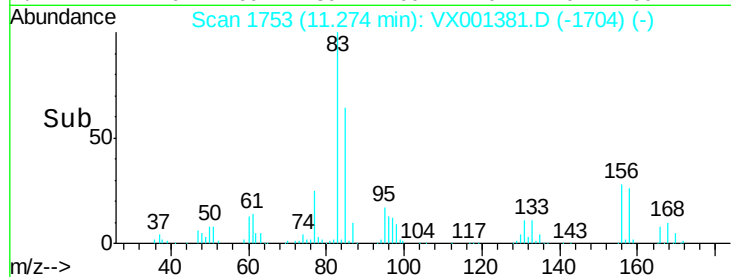
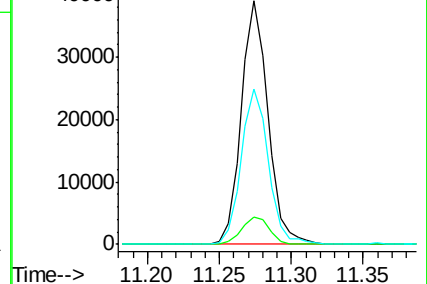
85 65.0 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.85 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001381.D

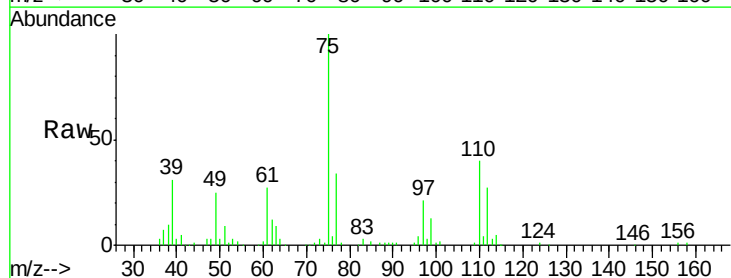
Acq: 04 May 2018 06:05

Tgt Ion: 75 Resp: 55519

Ion Ratio Lower Upper

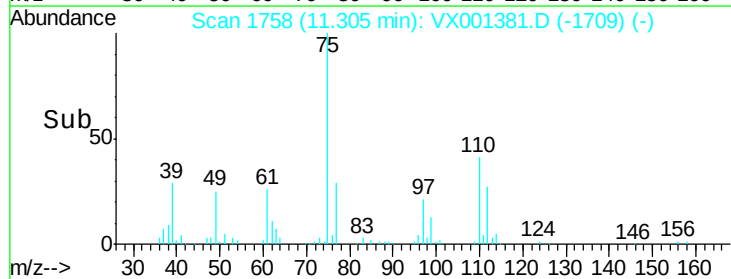
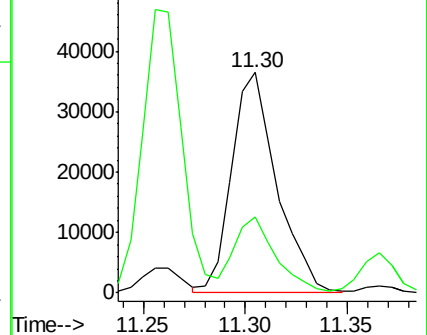
75 100

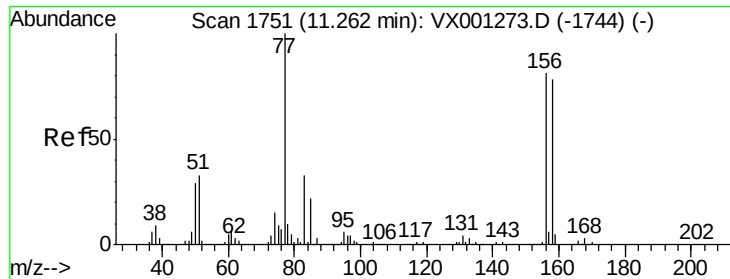
77 31.7 18.9 56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.58 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

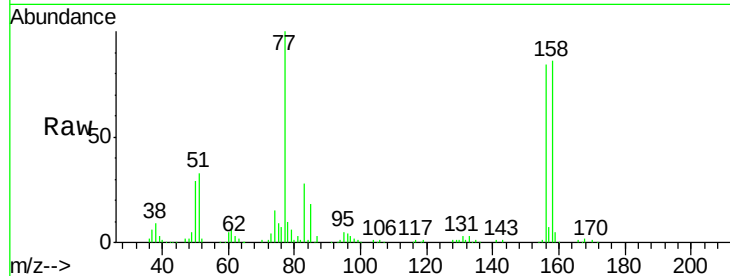
Tgt Ion:156 Resp: 49980

Ion Ratio Lower Upper

156 100

77 126.4 65.3 195.8

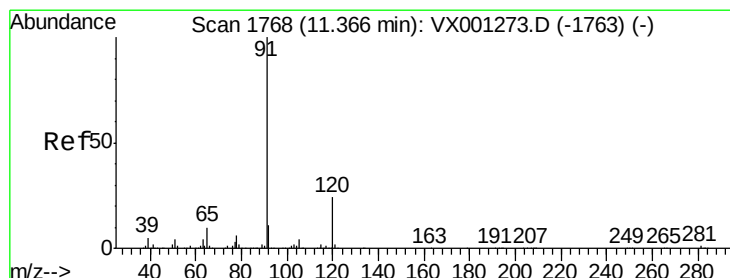
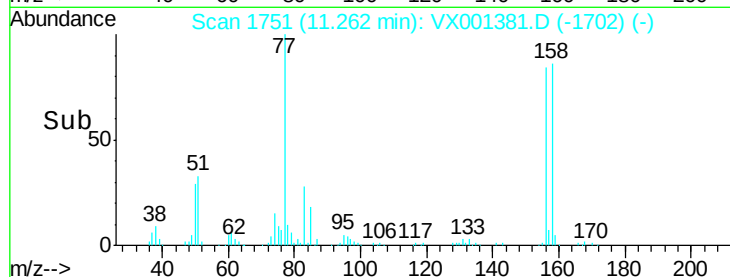
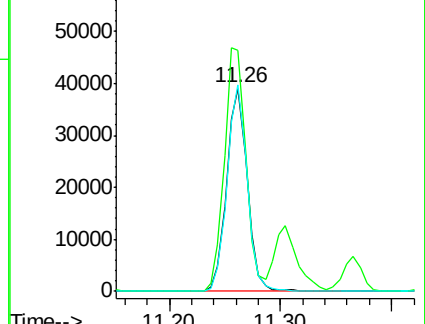
158 99.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.93 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001381.D

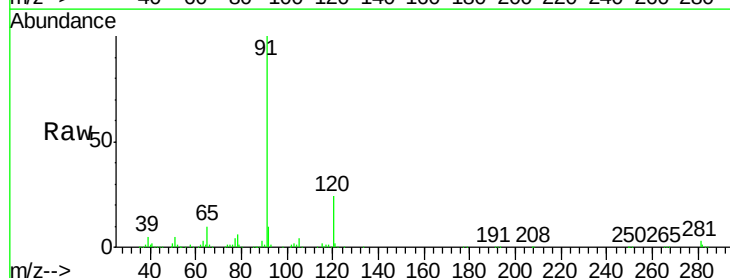
Acq: 04 May 2018 06:05

Tgt Ion: 91 Resp: 186526

Ion Ratio Lower Upper

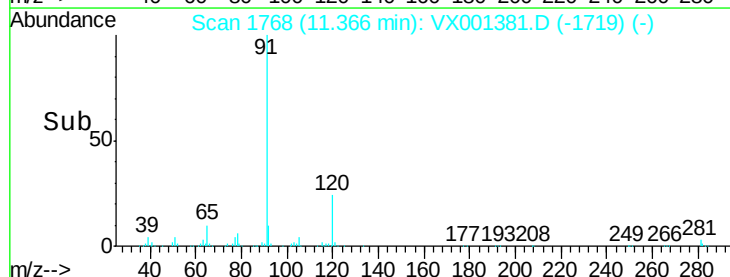
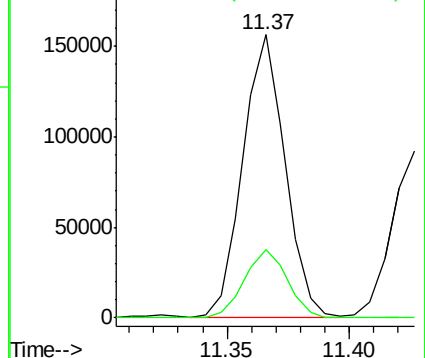
91 100

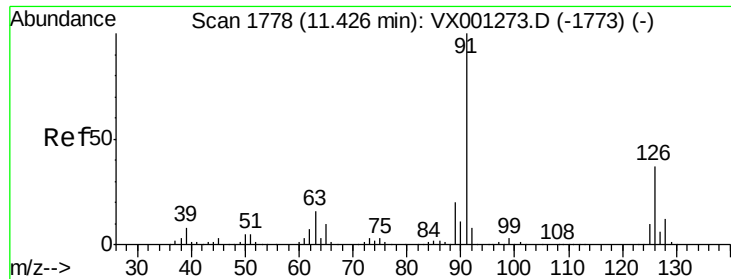
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

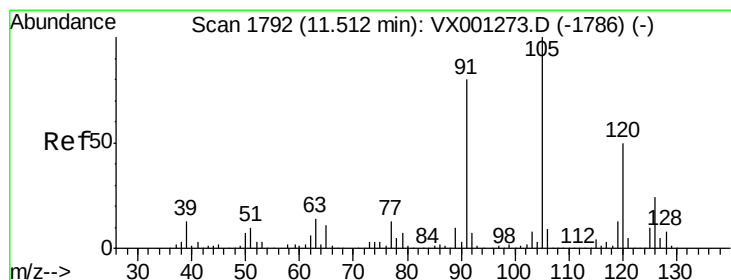
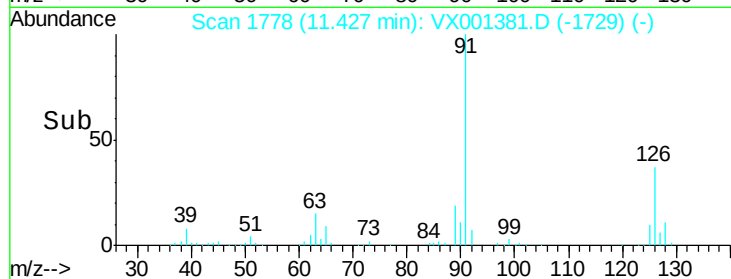
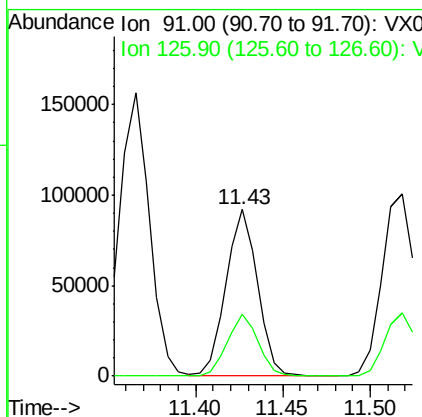
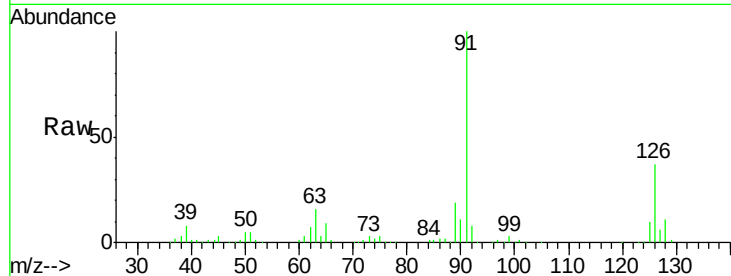




#79
 2-Chlorotoluene
 Concen: 20.35 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

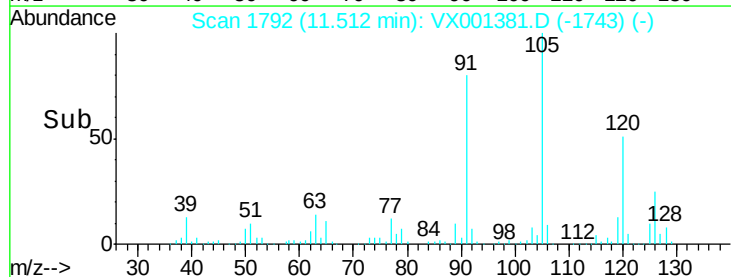
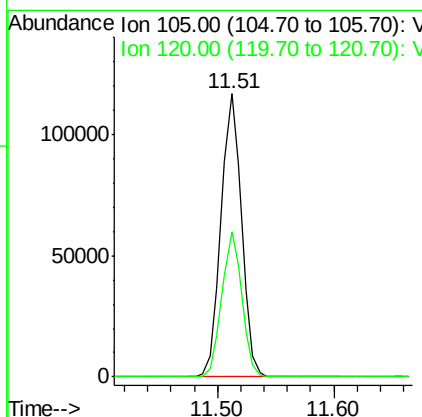
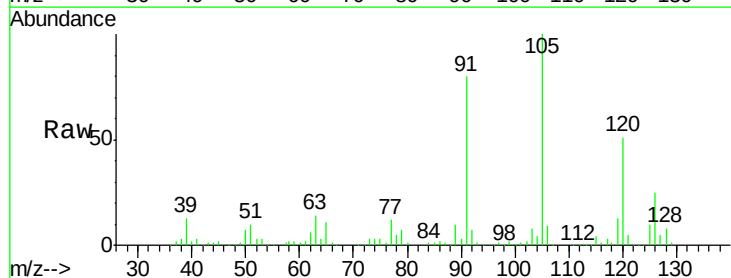
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

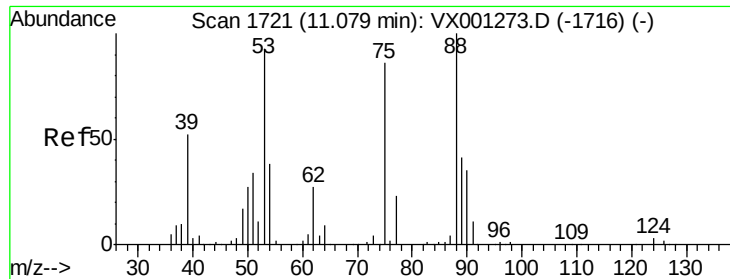
Tgt Ion: 91 Resp: 114942
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.4 55.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 105 Resp: 141610
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 74.0

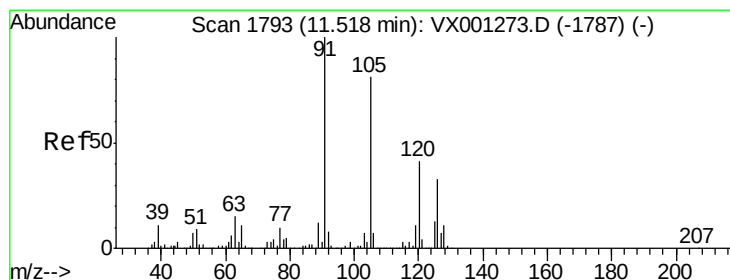
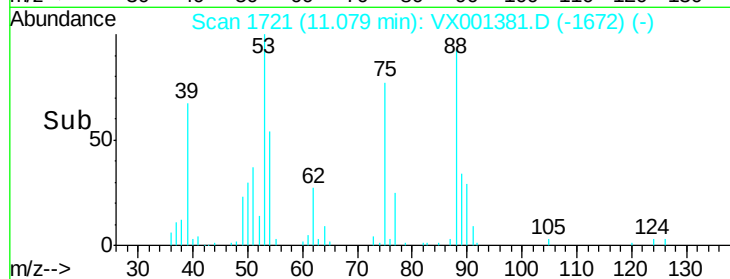
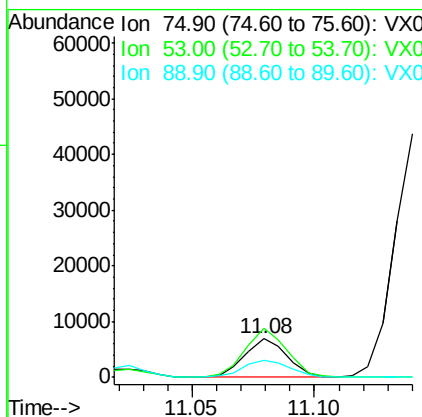
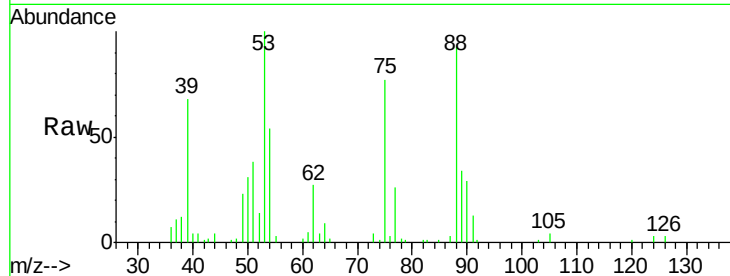




#81
 trans-1,4-Dichloro-2-butene
 Concen: 14.94 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

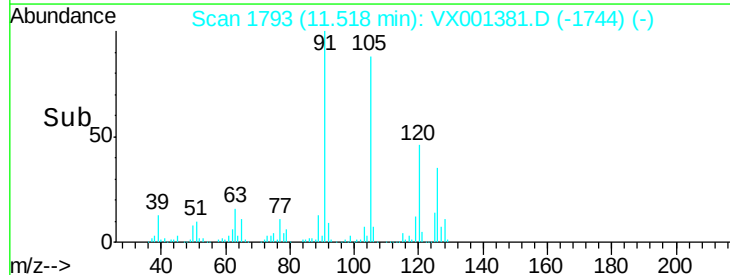
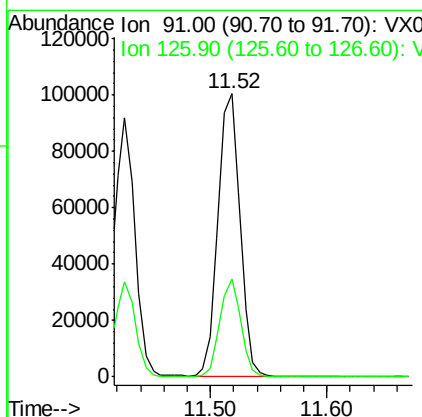
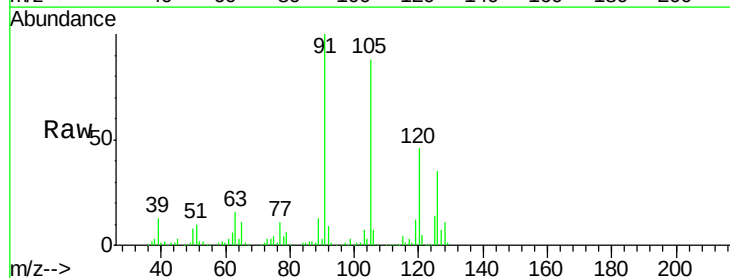
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

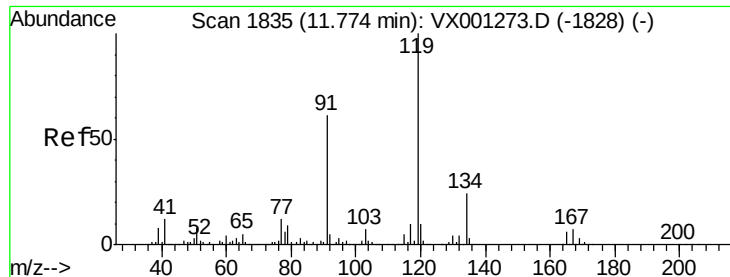
Tgt Ion: 75 Resp: 8336
 Ion Ratio Lower Upper
 75 100
 53 127.2 87.1 130.7
 89 48.2 38.9 58.3



#82
 4-Chlorotoluene
 Concen: 19.36 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 91 Resp: 131485
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.1 48.2

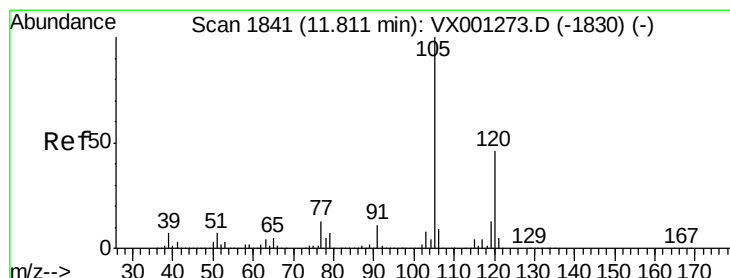
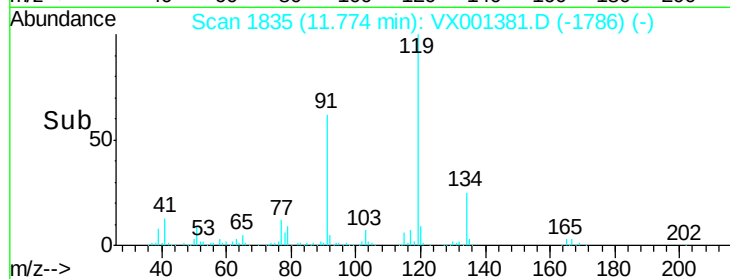
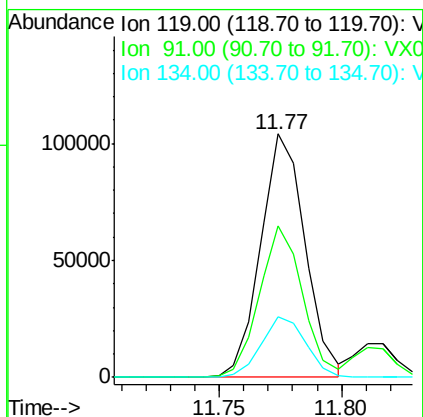
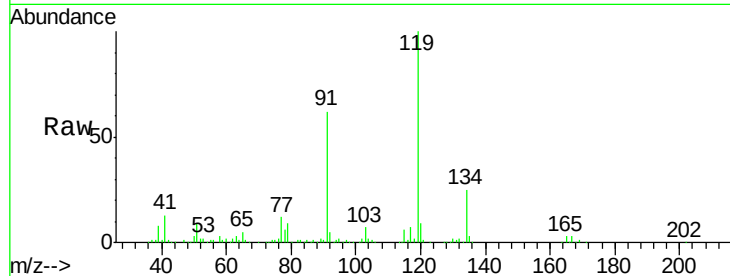




#83
 tert-Butylbenzene
 Concen: 18.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

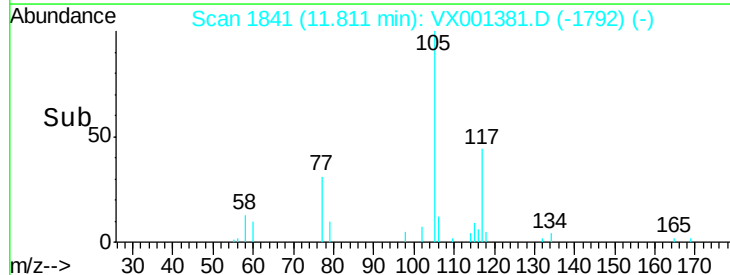
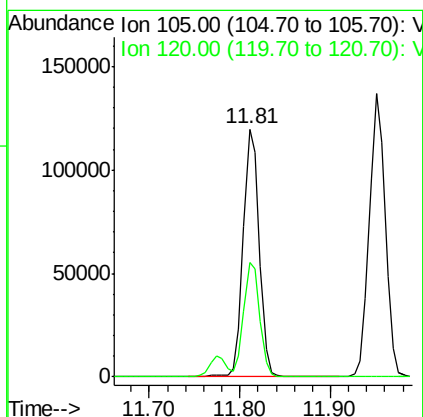
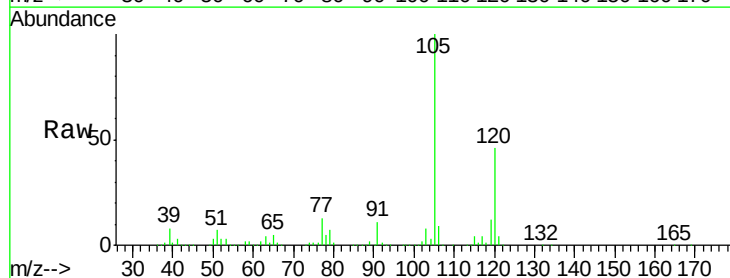
Instrument :
 MSVOA_X
 ClientSampled :
 VX0503MBS02

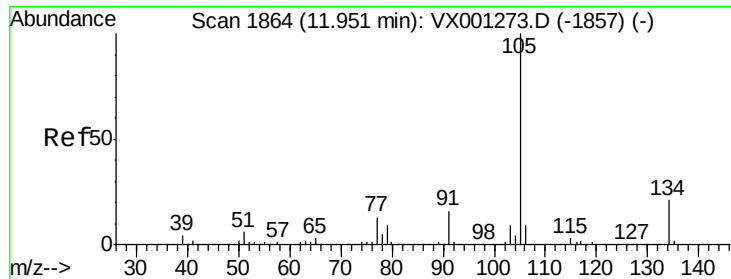
Tgt Ion:119 Resp: 131634
 Ion Ratio Lower Upper
 119 100
 91 60.7 28.1 84.3
 134 24.9 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.35 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion:105 Resp: 147448
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.93 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

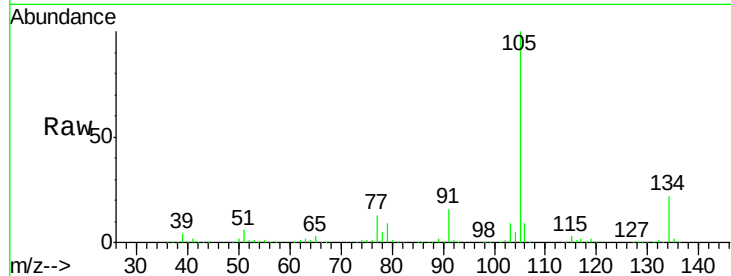
VX0503MBS02

Tgt Ion:105 Resp: 168205

Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

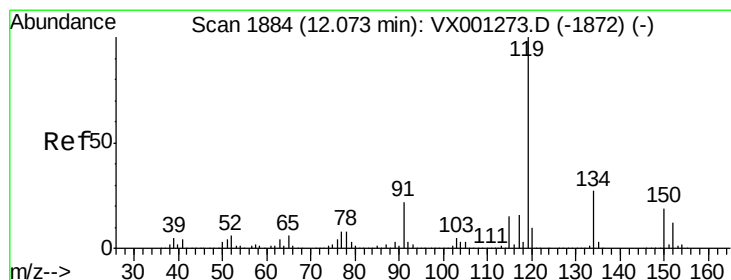
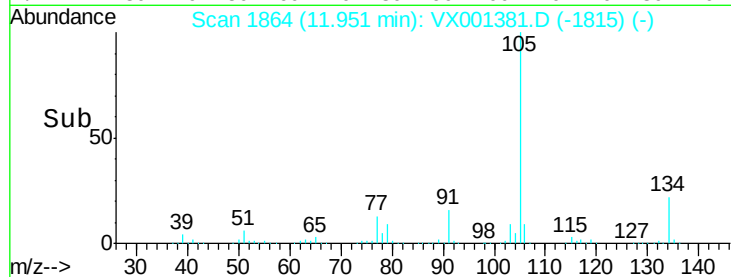
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.77 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

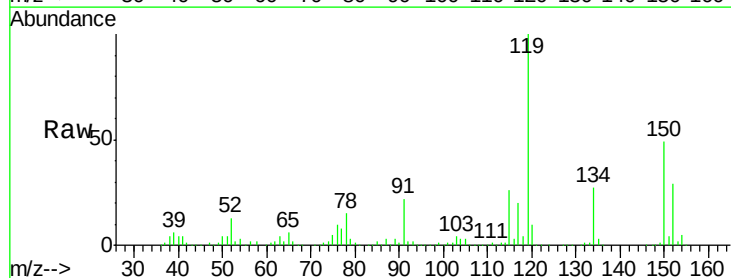
Tgt Ion:119 Resp: 152993

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

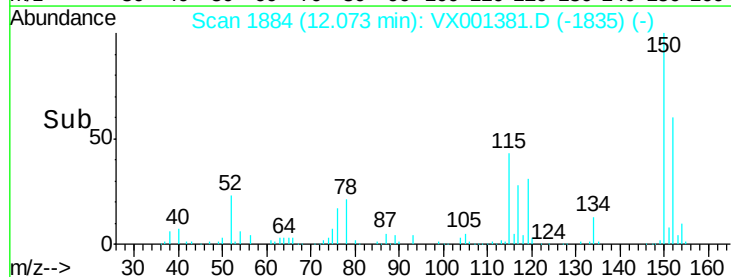
150000

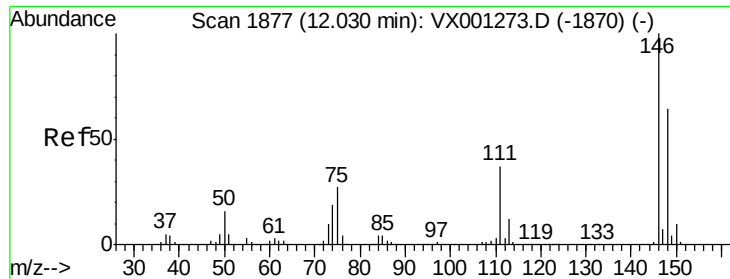
100000

50000

0

Time-->

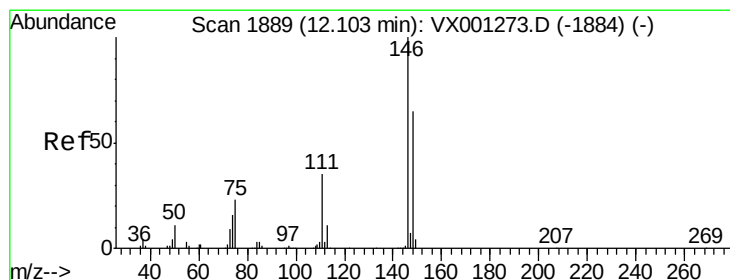
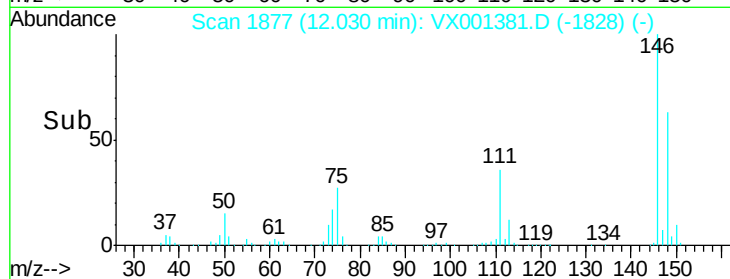
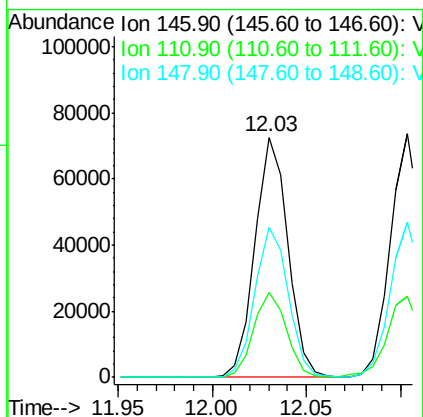
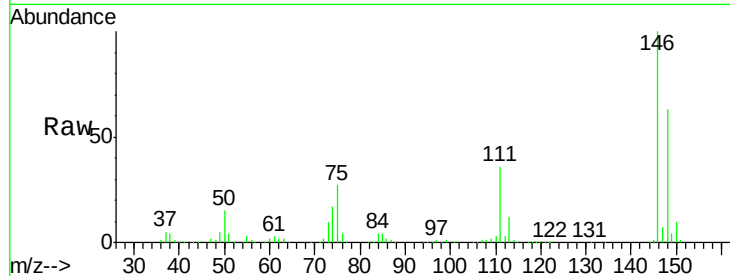




#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

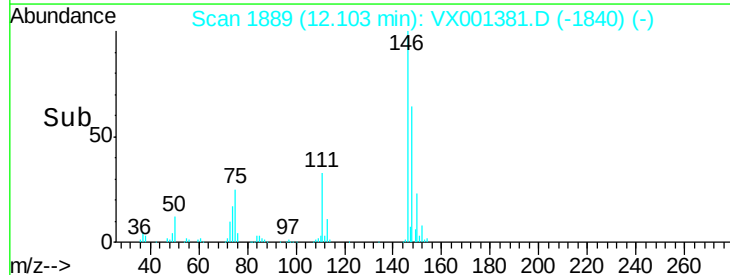
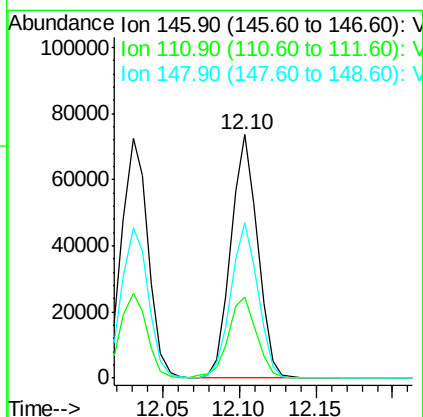
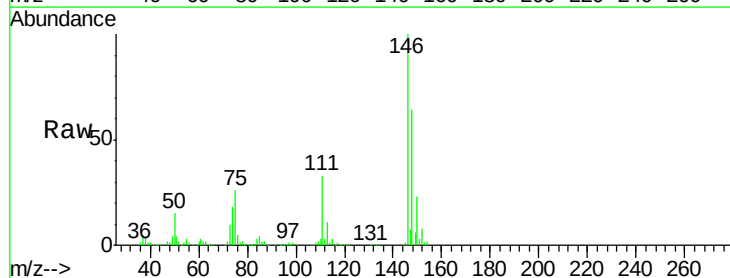
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

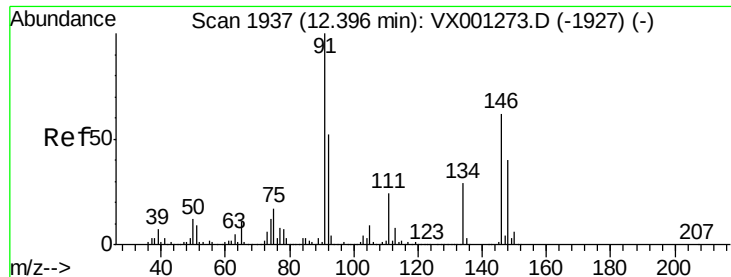
Tgt Ion:146 Resp: 88361
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.4 55.2
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion:146 Resp: 89101
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.9 53.7
 148 65.0 32.3 96.8





#89

n-Butylbenzene

Concen: 17.89 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampled :

VX0503MBS02

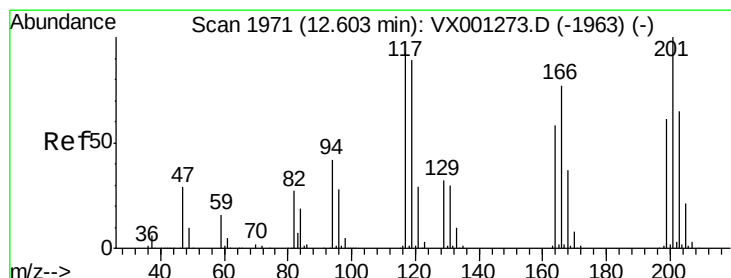
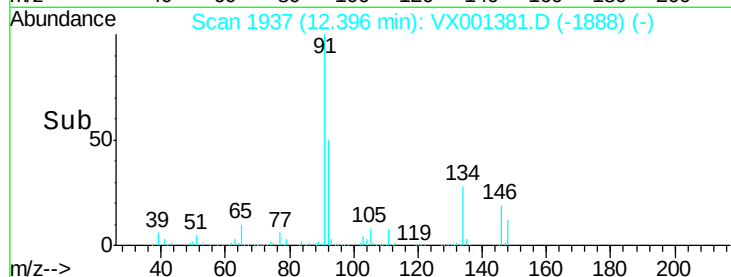
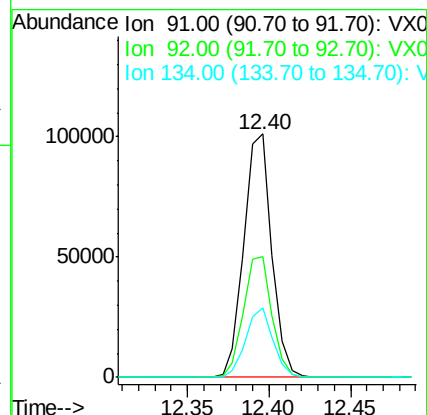
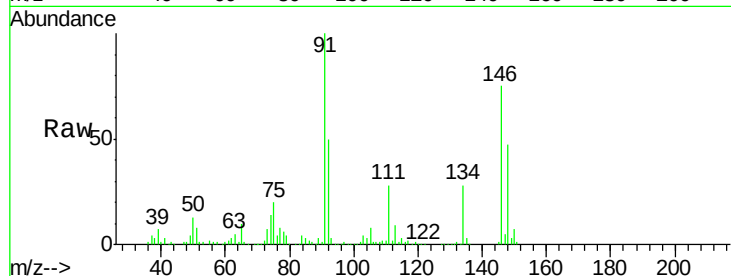
Tgt Ion: 91 Resp: 120848

Ion Ratio Lower Upper

91 100

92 50.6 26.2 78.5

134 27.8 14.0 42.0



#90

Hexachloroethane

Concen: 18.61 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001381.D

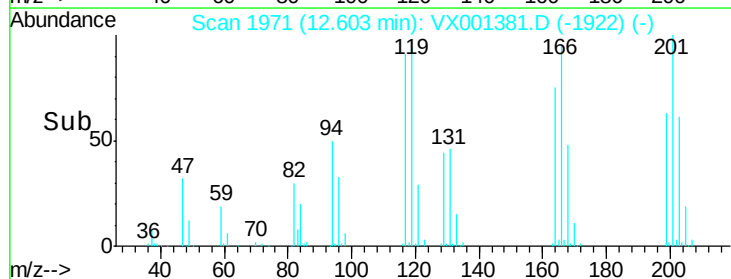
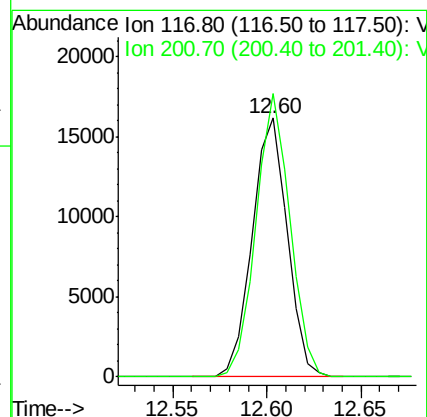
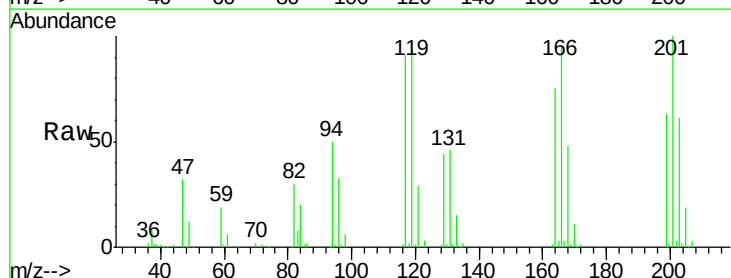
Acq: 04 May 2018 06:05

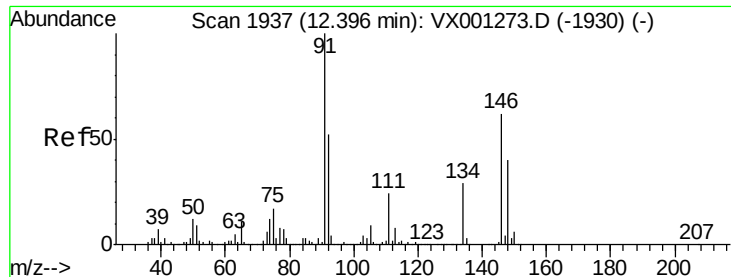
Tgt Ion: 117 Resp: 20859

Ion Ratio Lower Upper

117 100

201 105.9 51.6 154.8

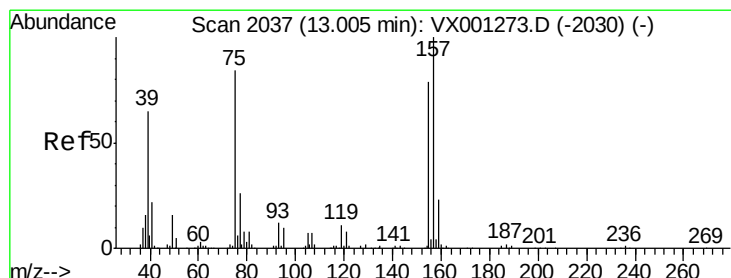
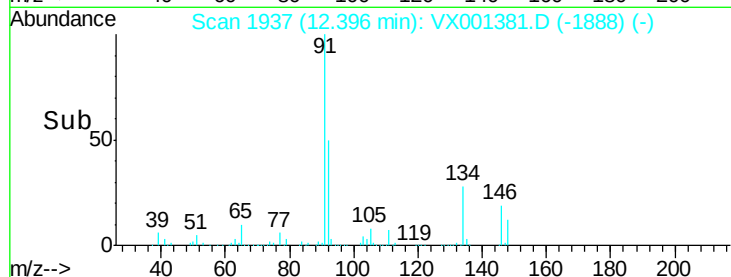
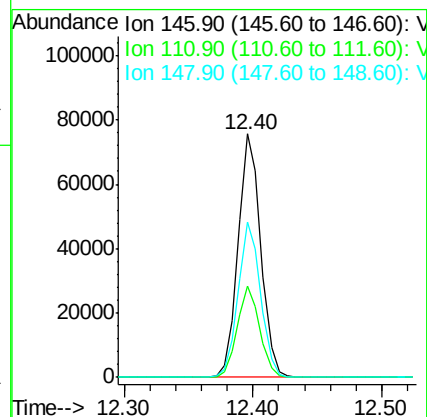
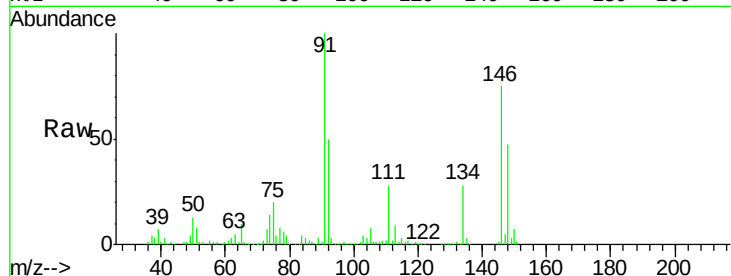




#91
 1,2-Dichlorobenzene
 Concen: 20.57 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

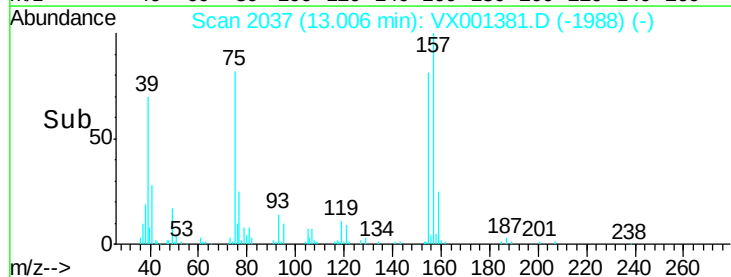
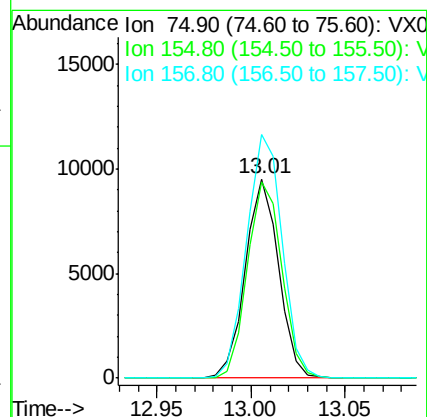
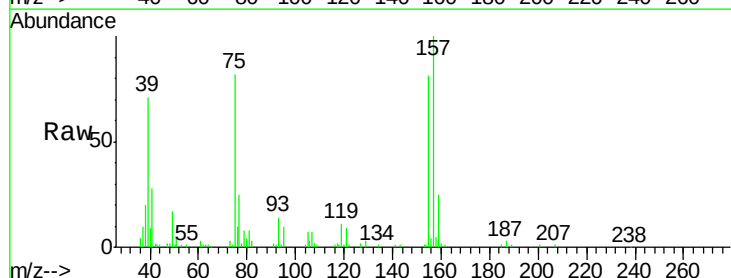
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

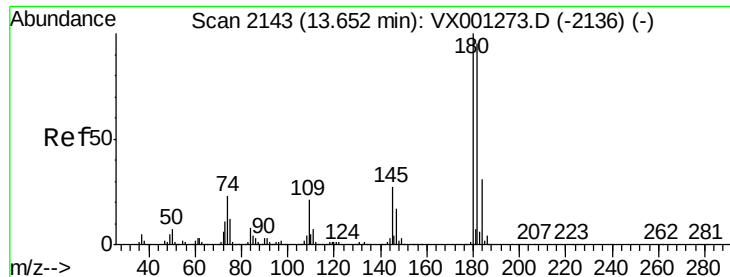
Tgt Ion:146 Resp: 92836
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.5
 148 63.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion: 75 Resp: 11657
 Ion Ratio Lower Upper
 75 100
 155 101.8 49.9 149.7
 157 130.8 63.7 191.1

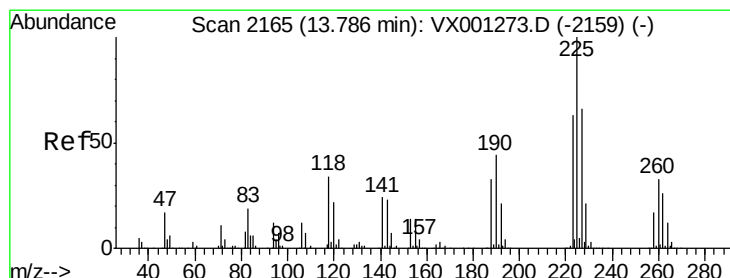
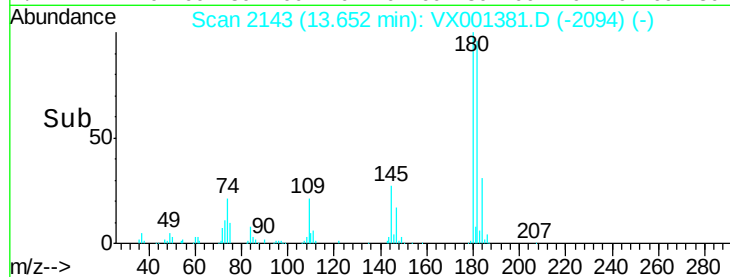
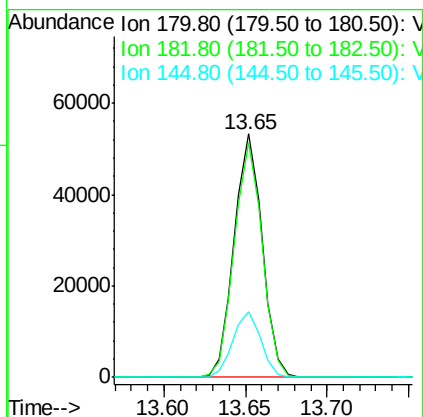
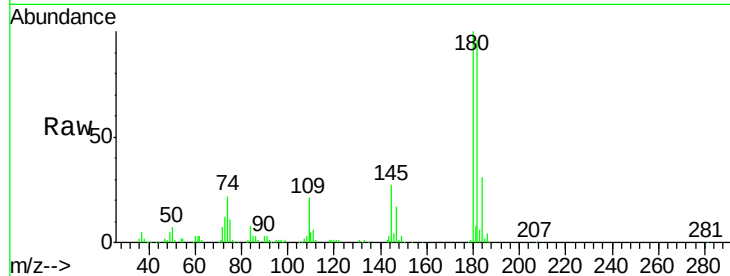




#93
 1,2,4-Trichlorobenzene
 Concen: 17.59 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

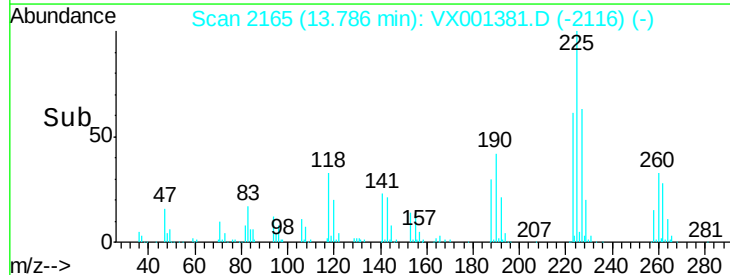
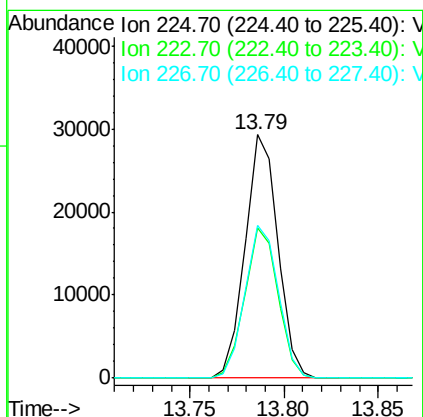
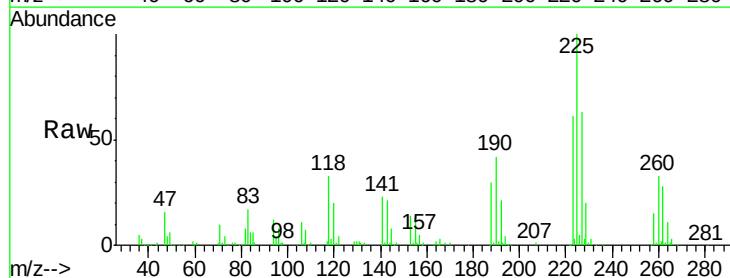
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBS02

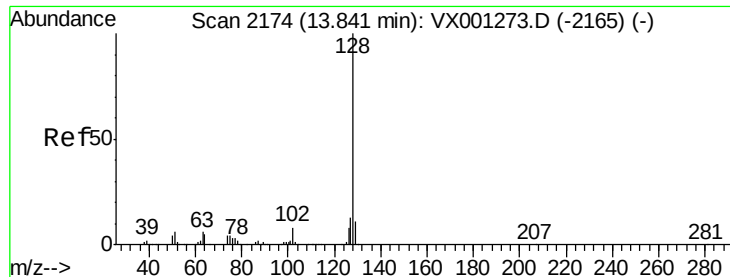
Tgt Ion:180 Resp: 63863
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.9
 145 26.9 13.5 40.4



#94
 Hexachlorobutadiene
 Concen: 18.61 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001381.D
 Acq: 04 May 2018 06:05

Tgt Ion:225 Resp: 35347
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.0
 227 64.3 32.5 97.5





#95

Naphthalene

Concen: 20.94 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBS02

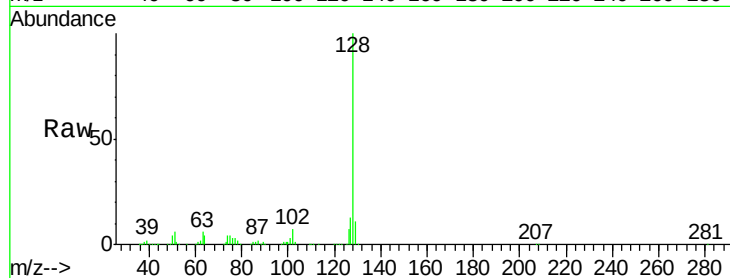
Tgt Ion:128 Resp: 192951

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

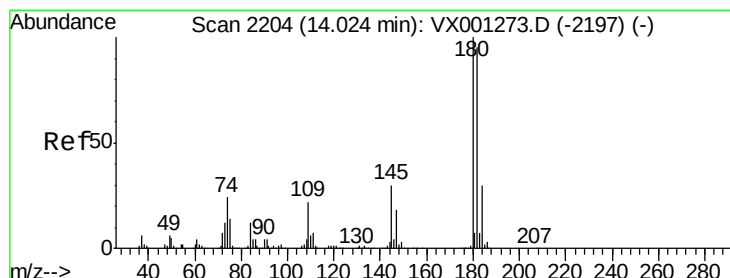
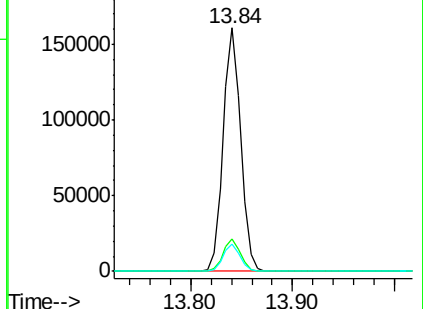
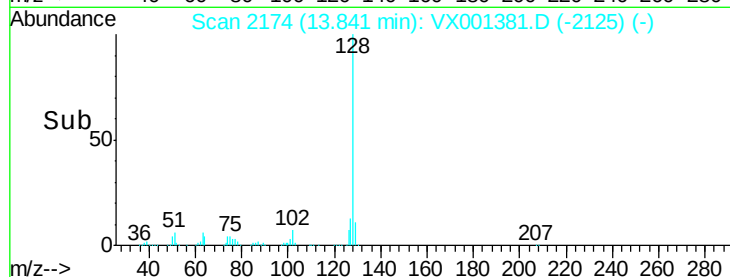
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.47 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001381.D

Acq: 04 May 2018 06:05

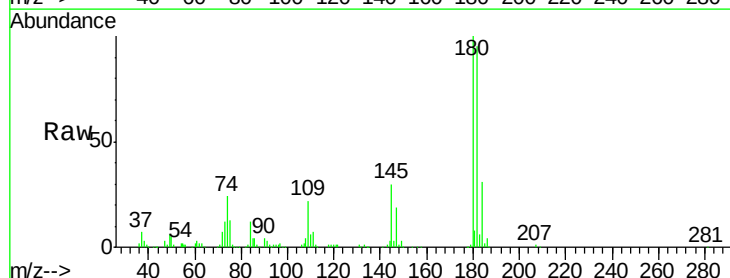
Tgt Ion:180 Resp: 69403

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.3

145 29.1 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

