

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005415.D
 Acq On : 18 Oct 2018 02:53
 Operator : JC/MD
 Sample : VX1017WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

Quant Time: Oct 18 11:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	144491	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	5.50	113	117895	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	441802	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	11.14	95	165899	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	39678	19.741	ug/l	100
3) Chloromethane	1.32	50	54416	18.684	ug/l	99
4) Vinyl Chloride	1.41	62	56450	19.134	ug/l	98
5) Bromomethane	1.64	94	36440	22.198	ug/l	98
6) Chloroethane	1.71	64	35576	19.426	ug/l	92
7) Trichlorofluoromethane	1.92	101	80724	20.504	ug/l	97
8) Diethyl Ether	2.19	74	33606	19.989	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47223	20.781	ug/l	98
10) Methyl Iodide	2.51	142	47748	20.698	ug/l	100
11) Tert butyl alcohol	3.07	59	86410	107.369	ug/l	99
12) 1,1-Dichloroethene	2.37	96	43875	19.487	ug/l	94
13) Acrolein	2.29	56	33985	64.571	ug/l	97
14) Allyl chloride	2.73	41	93726	18.961	ug/l	96
15) Acrylonitrile	3.15	53	179919	98.654	ug/l	99
16) Acetone	2.45	43	157951	95.752	ug/l	95
17) Carbon Disulfide	2.57	76	121966	17.882	ug/l	100
18) Methyl Acetate	2.78	43	98339	20.954	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	165031	20.812	ug/l	98
20) Methylene Chloride	2.85	84	52316	21.007	ug/l	# 85
21) trans-1,2-Dichloroethene	3.16	96	48058	19.261	ug/l	97
22) Diisopropyl ether	3.87	45	161705	19.476	ug/l	95
23) Vinyl Acetate	3.82	43	702813	96.849	ug/l	97
24) 1,1-Dichloroethane	3.70	63	98197	20.637	ug/l	98
25) 2-Butanone	4.70	43	230659	95.568	ug/l	98
26) 2,2-Dichloropropane	4.59	77	53514	15.037	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	51333	18.931	ug/l	91
28) Bromochloromethane	5.01	49	45067	20.776	ug/l	96
29) Tetrahydrofuran	5.15	42	151072	98.128	ug/l	94
30) Chloroform	5.21	83	90956	20.594	ug/l	87
31) Cyclohexane	5.57	56	75249	19.187	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	78696	20.478	ug/l	97
36) 1,1-Dichloropropene	5.80	75	63205	17.824	ug/l	98
37) Ethyl Acetate	4.85	43	84998	18.638	ug/l	99
38) Carbon Tetrachloride	5.79	117	66359	18.624	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005415.D
 Acq On : 18 Oct 2018 02:53
 Operator : JC/MD
 Sample : VX1017WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

Quant Time: Oct 18 11:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72137	18.796	ug/l	96
40) Benzene	6.14	78	195663	18.393	ug/l	100
41) Methacrylonitrile	5.06	41	47345	19.365	ug/l	98
42) 1,2-Dichloroethane	6.20	62	69366	18.467	ug/l	97
43) Isopropyl Acetate	6.46	43	120754	19.877	ug/l	98
44) Trichloroethene	7.21	130	53564	19.339	ug/l	94
45) 1,2-Dichloropropane	7.52	63	49542	18.986	ug/l	98
46) Dibromomethane	7.66	93	32770	19.027	ug/l	96
47) Bromodichloromethane	7.90	83	63809	20.030	ug/l	99
48) Methyl methacrylate	7.77	41	62806	19.934	ug/l	95
49) 1,4-Dioxane	7.75	88	29953	412.167	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	431299	102.534	ug/l	94
52) Toluene	8.79	92	120706	20.741	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	66012	19.148	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	73889	19.780	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50981	20.682	ug/l	97
56) Ethyl methacrylate	9.18	69	74872	20.835	ug/l	96
57) 1,3-Dichloropropane	9.37	76	84484	20.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	207439	102.932	ug/l	96
59) 2-Hexanone	9.49	43	338697	100.099	ug/l	94
60) Dibromochloromethane	9.58	129	51948	20.388	ug/l	100
61) 1,2-Dibromoethane	9.67	107	52624	20.342	ug/l	99
64) Tetrachloroethene	9.33	164	55783	20.295	ug/l	99
65) Chlorobenzene	10.14	112	139904	19.264	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	50441	19.490	ug/l	100
67) Ethyl Benzene	10.25	91	229984	19.480	ug/l	97
68) m/p-Xylenes	10.36	106	179802	39.237	ug/l	96
69) o-Xylene	10.70	106	86861	19.654	ug/l	97
70) Styrene	10.71	104	144416	19.867	ug/l	97
71) Bromoform	10.86	173	43303	18.724	ug/l	99
73) Isopropylbenzene	11.02	105	237096	20.974	ug/l	100
74) N-amyl acetate	10.90	43	108066	19.821	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	83216	19.515	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	93102	25.241	ug/l	87
77) Bromobenzene	11.26	156	65002	20.111	ug/l	99
78) n-propylbenzene	11.36	91	270711	20.811	ug/l	100
79) 2-Chlorotoluene	11.42	91	163179	20.483	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	201276	20.793	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	21001	17.300	ug/l	98
82) 4-Chlorotoluene	11.51	91	192909	20.427	ug/l	100
83) tert-Butylbenzene	11.77	119	201349	20.540	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	207776	20.857	ug/l	99
85) sec-Butylbenzene	11.94	105	242682	20.920	ug/l	99
86) p-Isopropyltoluene	12.07	119	217270	20.722	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120807	20.002	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122397	19.810	ug/l	98
89) n-Butylbenzene	12.39	91	183537	19.279	ug/l	97
90) Hexachloroethane	12.60	117	33532	18.556	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	121003	19.633	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19470	18.718	ug/l	98

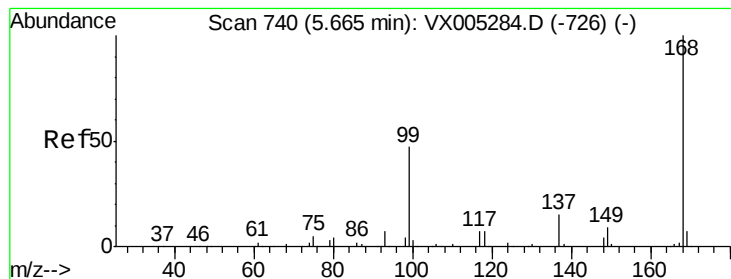
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101718\
Data File : VX005415.D
Acq On : 18 Oct 2018 02:53
Operator : JC/MD
Sample : VX1017WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Quant Time: Oct 18 11:11:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92540	20.465	ug/l	99
94) Hexachlorobutadiene	13.79	225	46737	19.570	ug/l	98
95) Naphthalene	13.83	128	274501	20.932	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95991	20.747	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

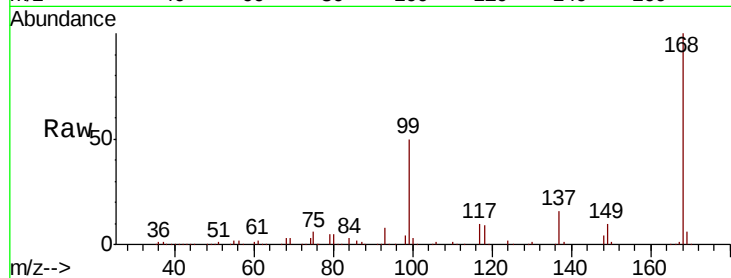
VX1017WBSD02

Tot Ion:168 Resp: 257066

Ion Ratio Lower Upper

168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

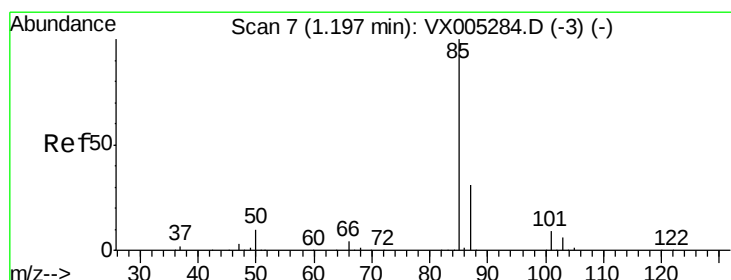
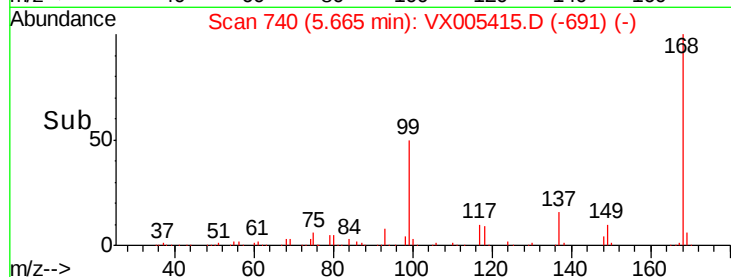
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.741 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005415.D

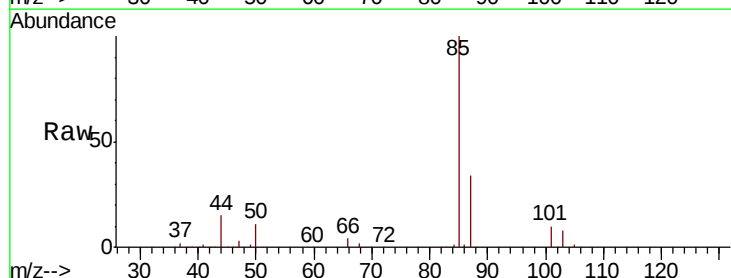
Acq: 18 Oct 2018 02:53

Tgt Ion: 85 Resp: 39678

Ion Ratio Lower Upper

85 100

87 33.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

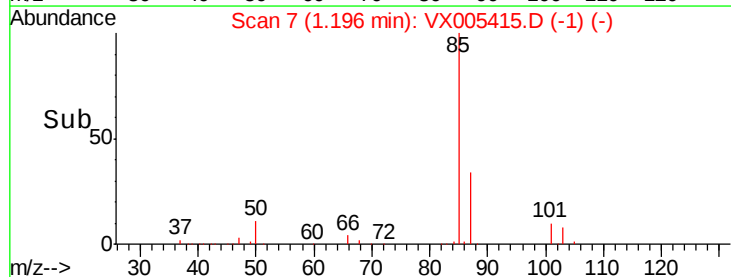
20000

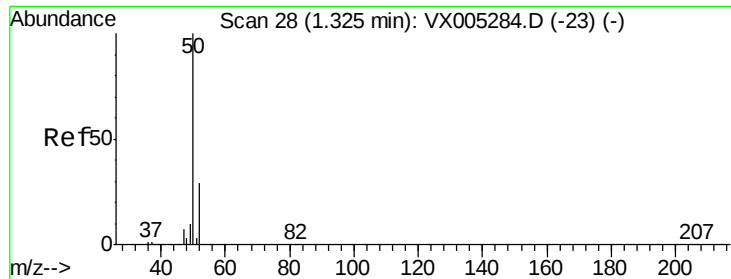
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.684 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

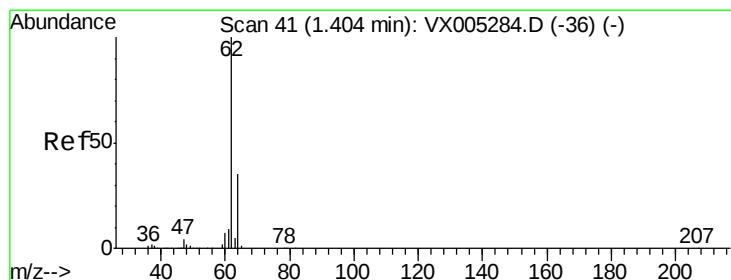
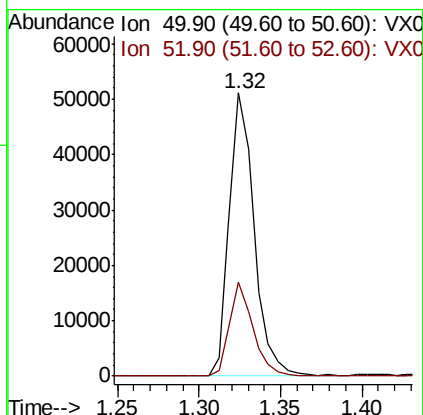
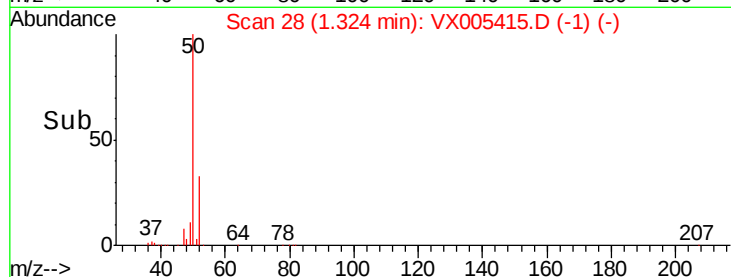
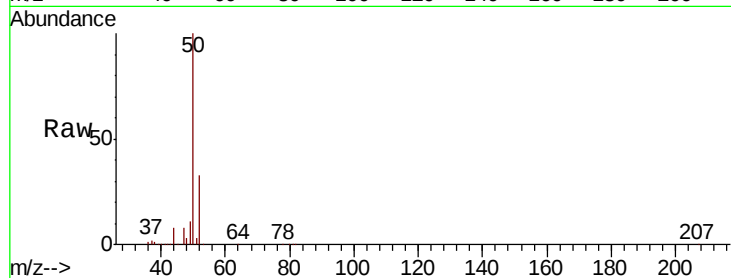
VX1017WBSD02

Tot Ion: 50 Resp: 54416

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 19.134 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005415.D

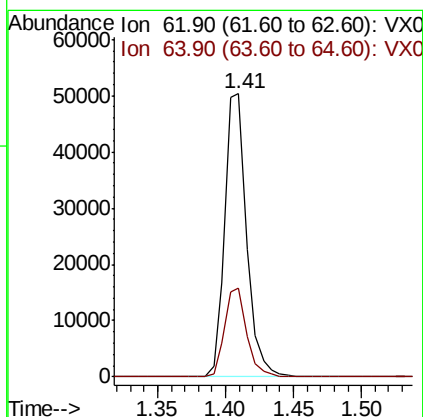
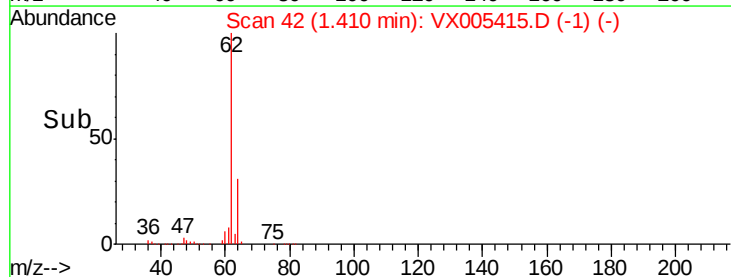
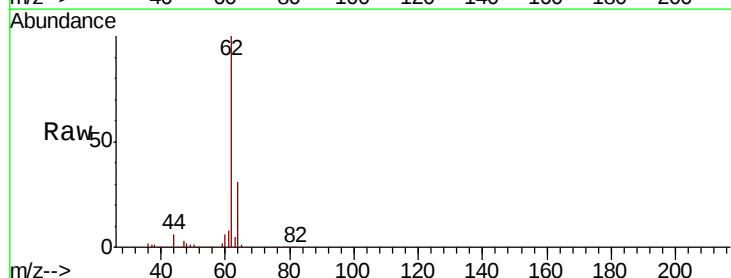
Acq: 18 Oct 2018 02:53

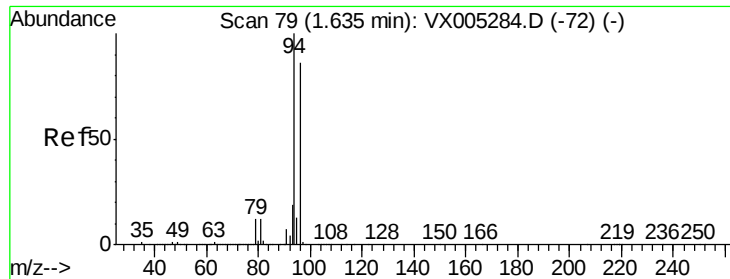
Tgt Ion: 62 Resp: 56450

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 22.198 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

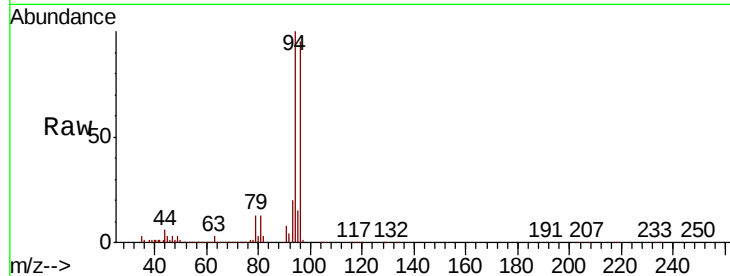
VX1017WBSD02

Tot Ion: 94 Resp: 36440

Ion Ratio Lower Upper

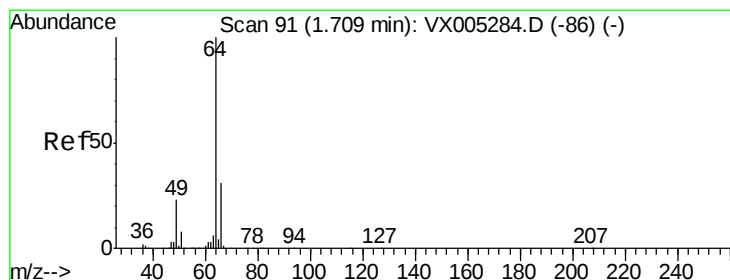
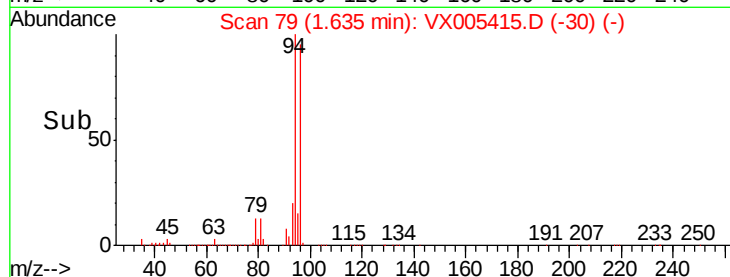
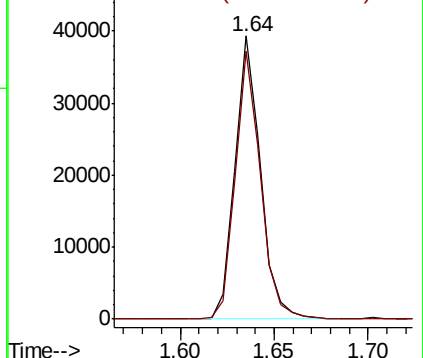
94 100

96 94.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.426 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005415.D

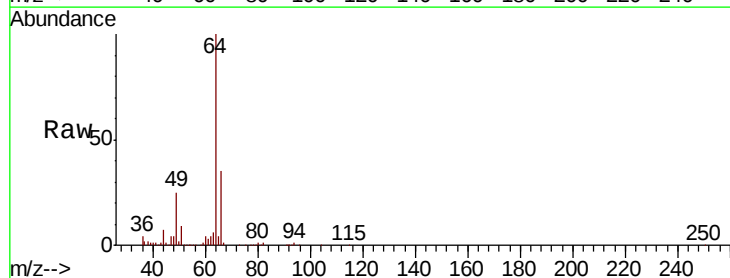
Acq: 18 Oct 2018 02:53

Tgt Ion: 64 Resp: 35576

Ion Ratio Lower Upper

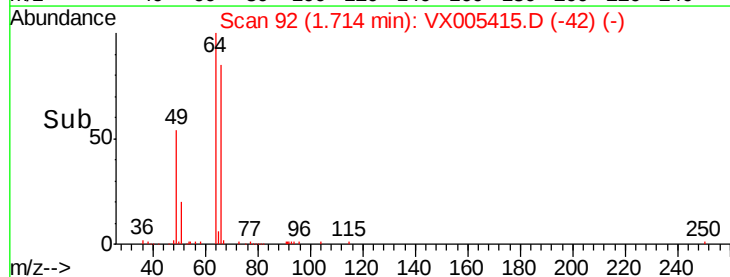
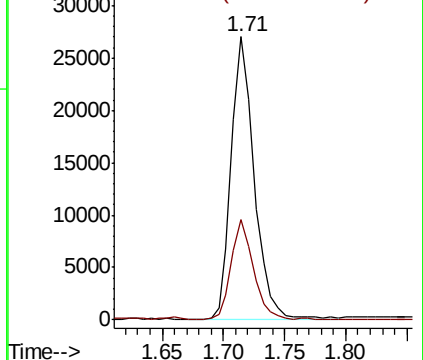
64 100

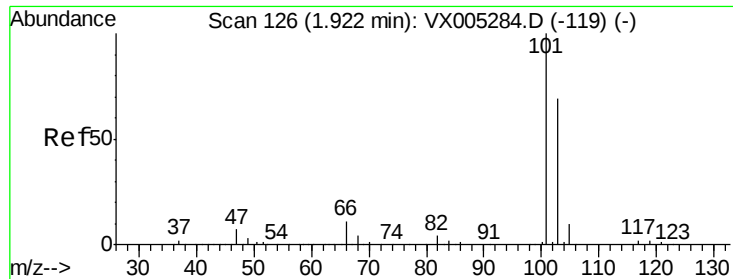
66 35.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



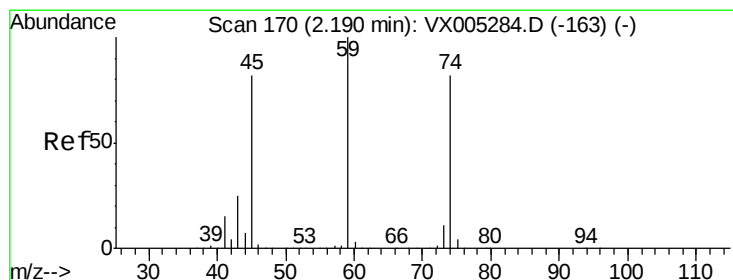
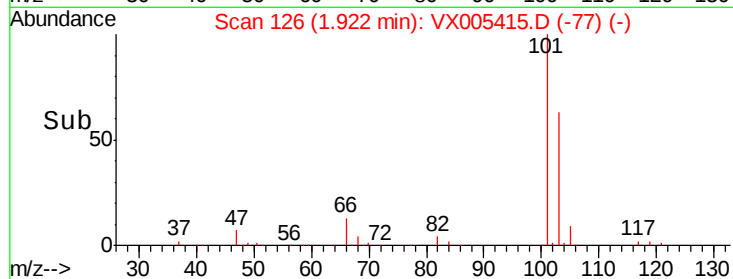
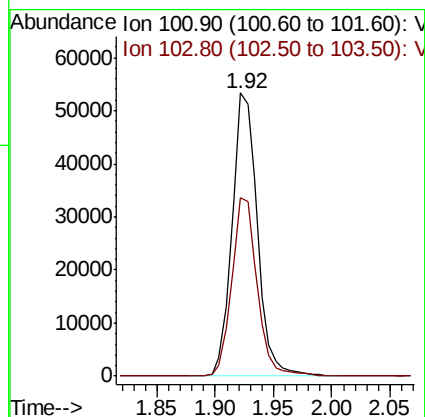
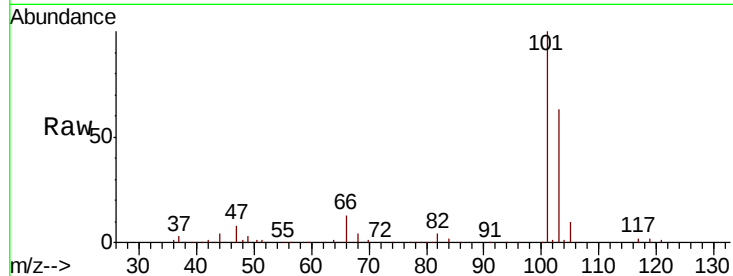


#7

Trichlorofluoromethane
 Concen: 20.504 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

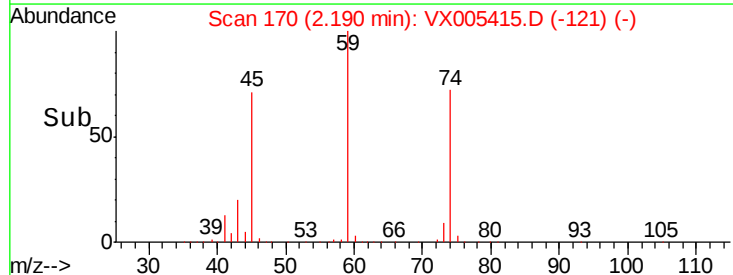
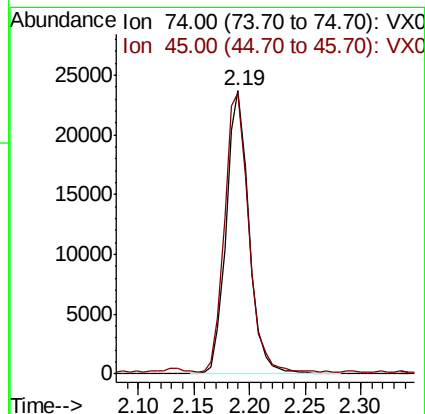
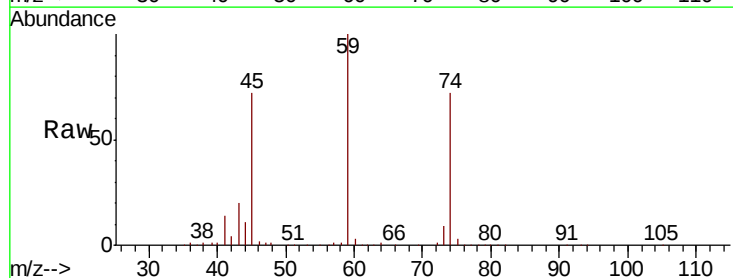
Tot Ion:101 Resp: 80724
 Ion Ratio Lower Upper
 101 100
 103 63.2 48.9 73.3



#8

Diethyl Ether
 Concen: 19.989 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion: 74 Resp: 33606
 Ion Ratio Lower Upper
 74 100
 45 103.8 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.781 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

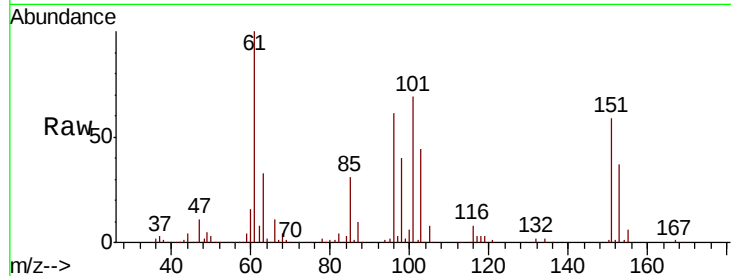
Tot Ion:101 Resp: 47223

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

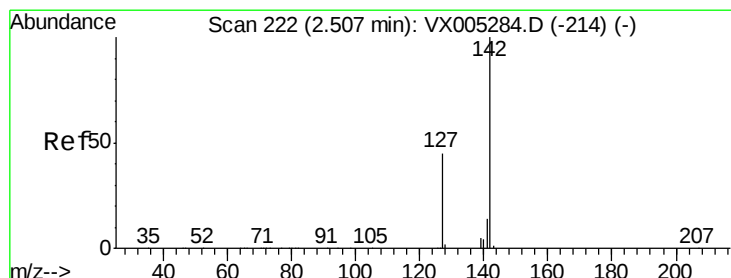
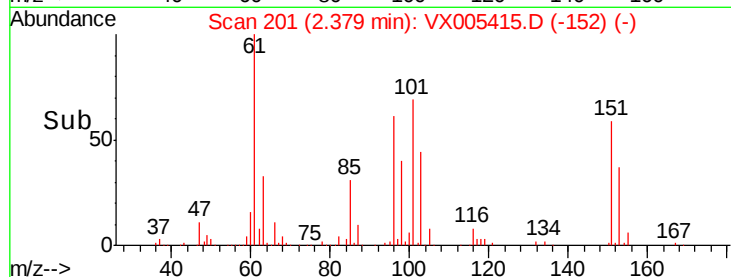
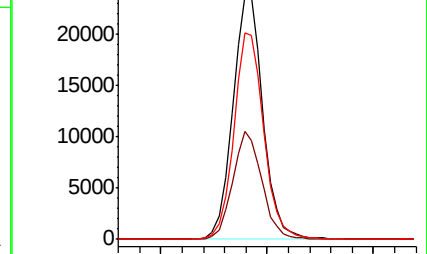
151 83.7 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.698 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

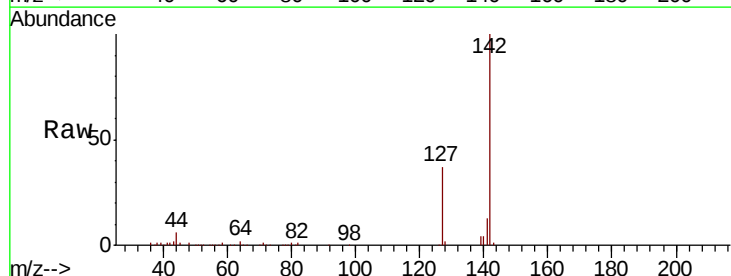
Tgt Ion:142 Resp: 47748

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.6

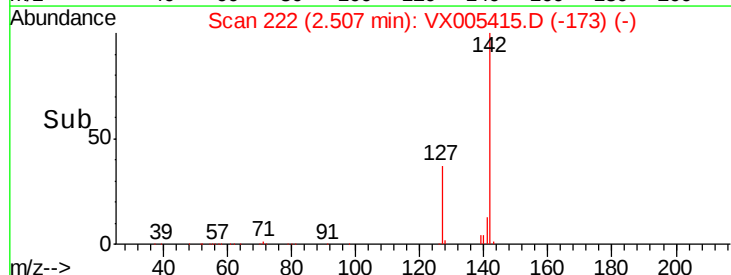
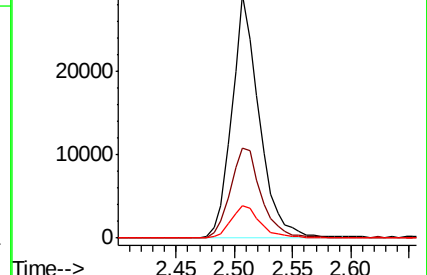
141 14.5 11.4 17.0

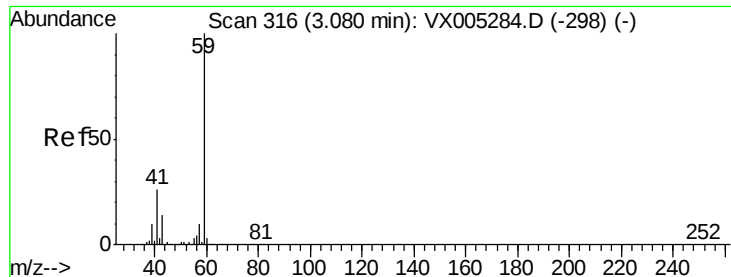


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



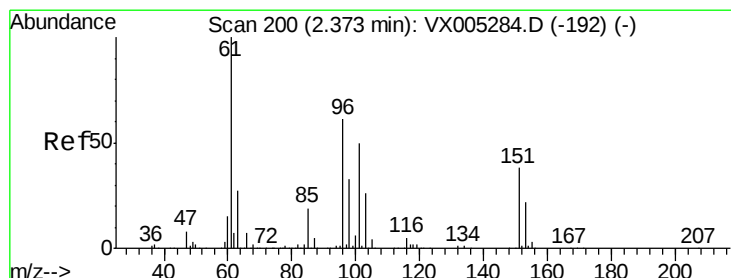
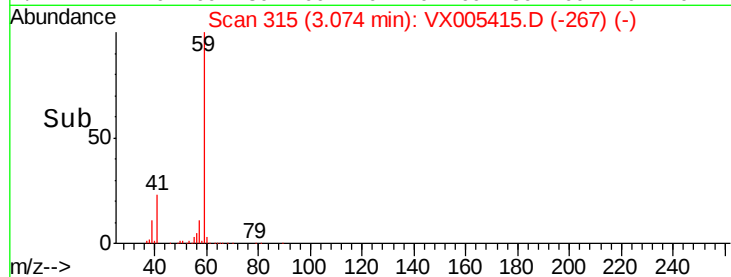
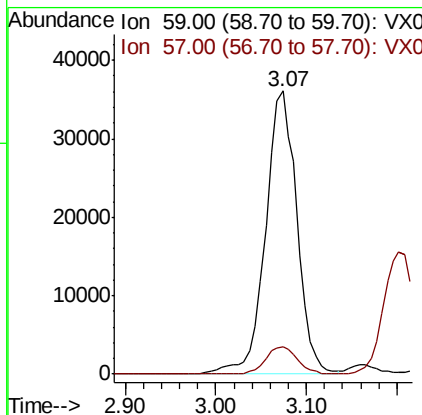
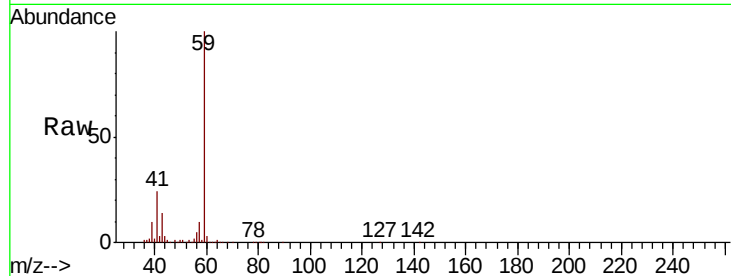


#11

Tert butyl alcohol
 Concen: 107.369 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

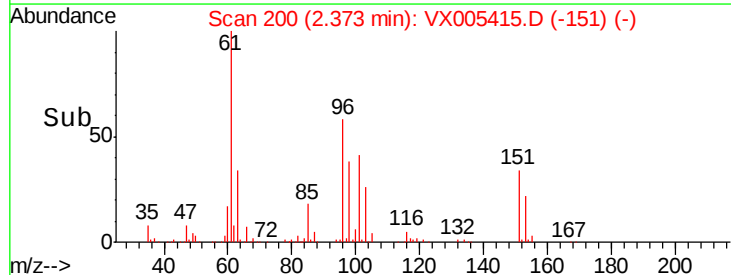
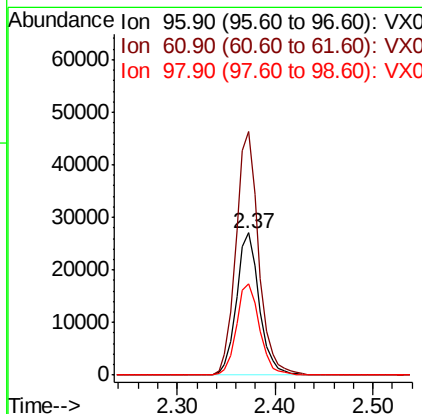
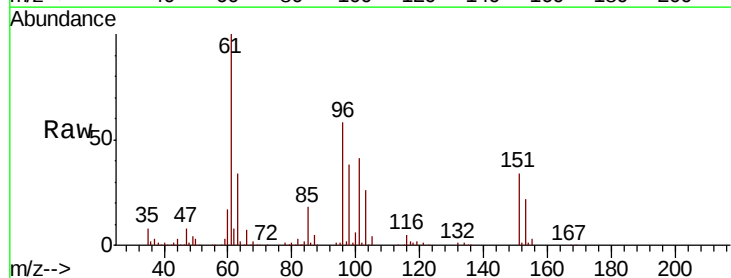
Tot Ion: 59 Resp: 86410
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

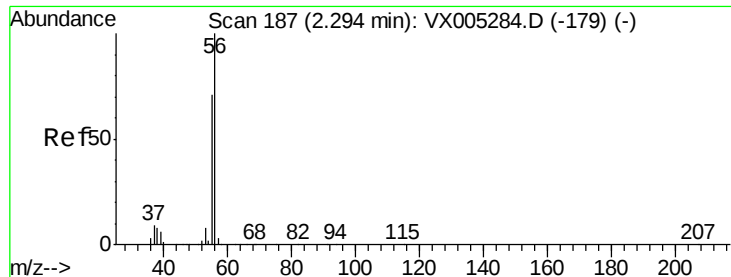


#12

1,1-Dichloroethene
 Concen: 19.487 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion: 96 Resp: 43875
 Ion Ratio Lower Upper
 96 100
 61 171.3 128.8 193.2
 98 64.6 52.2 78.2





#13

Acrolein

Concen: 64.571 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

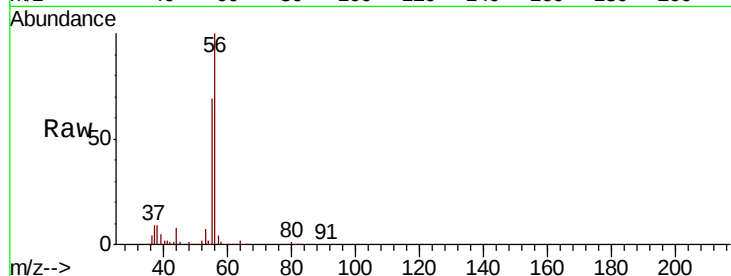
VX1017WBSD02

Tot Ion: 56 Resp: 33985

Ion Ratio Lower Upper

56 100

55 70.6 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

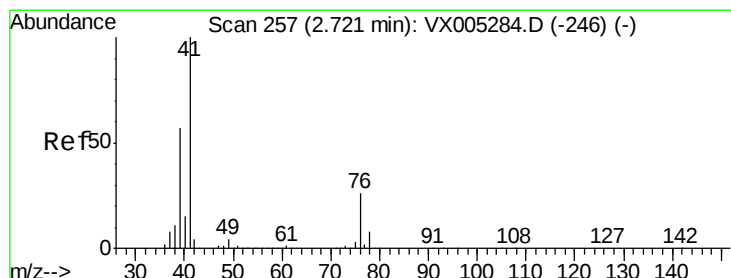
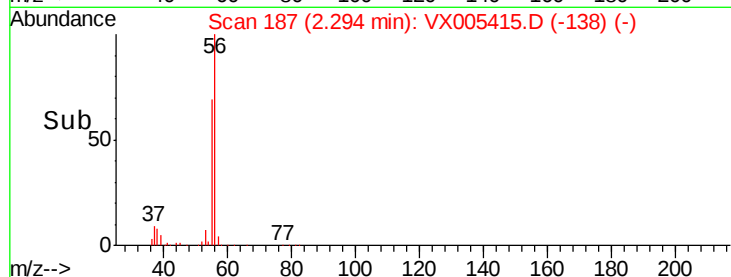
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.961 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

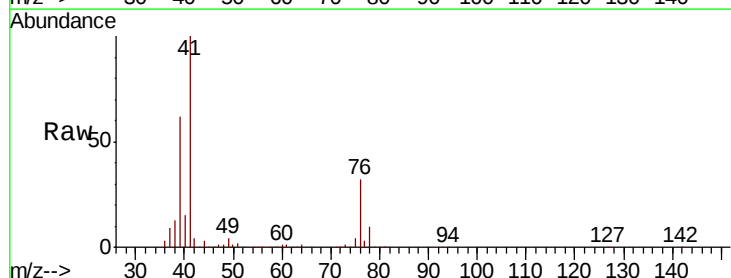
Tgt Ion: 41 Resp: 93726

Ion Ratio Lower Upper

41 100

39 58.6 48.9 73.3

76 30.7 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

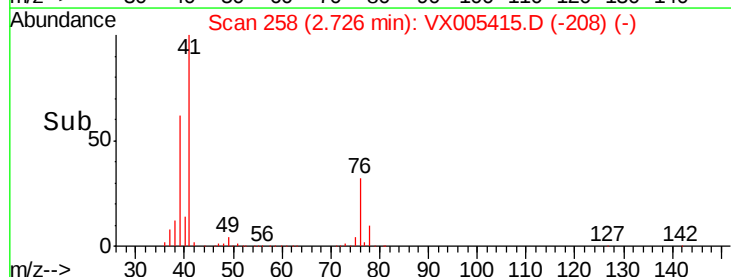
60000

40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 98.654 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

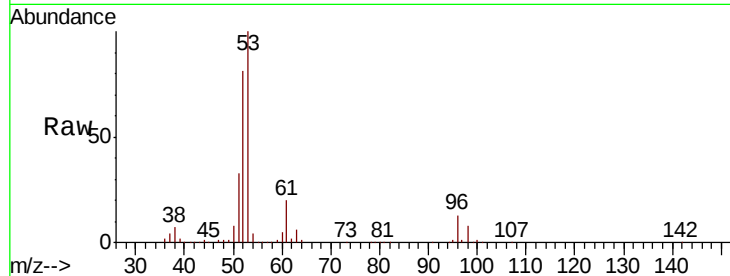
Tot Ion: 53 Resp: 179919

Ion Ratio Lower Upper

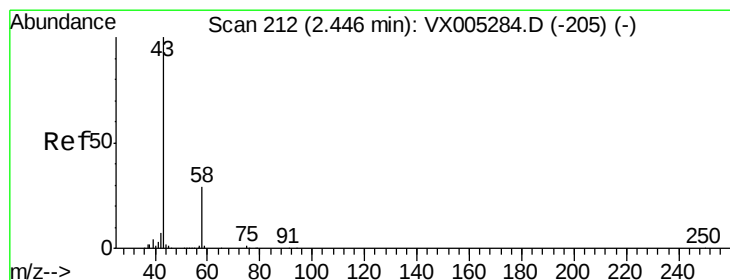
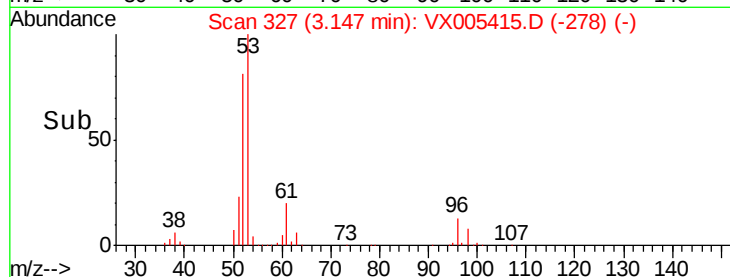
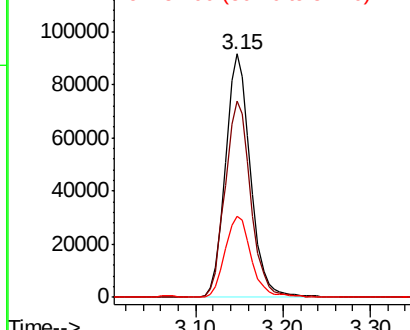
53 100

52 83.0 65.2 97.8

51 35.2 28.2 42.2



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



#16

Acetone

Concen: 95.752 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005415.D

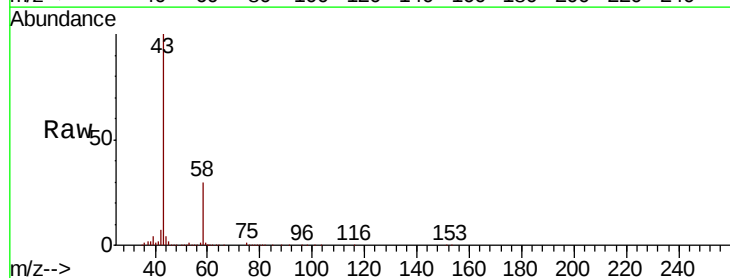
Acq: 18 Oct 2018 02:53

Tgt Ion: 43 Resp: 157951

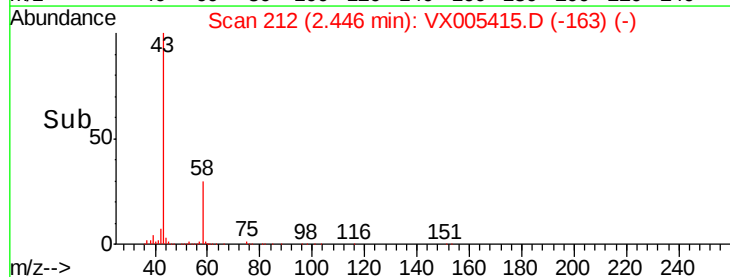
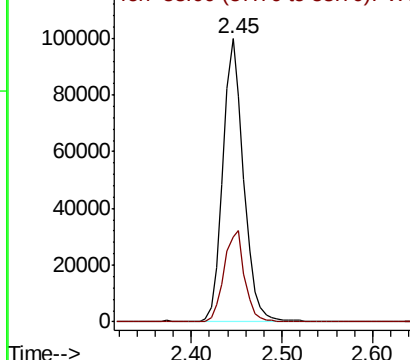
Ion Ratio Lower Upper

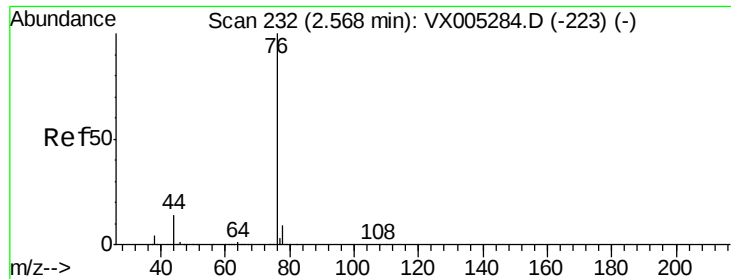
43 100

58 30.1 26.2 39.4



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





#17

Carbon Disulfide

Concen: 17.882 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

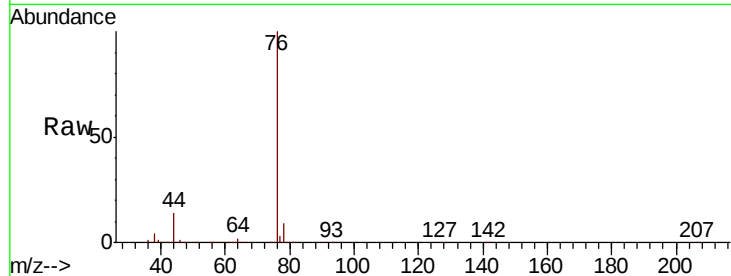
VX1017WBSD02

Tot Ion: 76 Resp: 121966

Ion Ratio Lower Upper

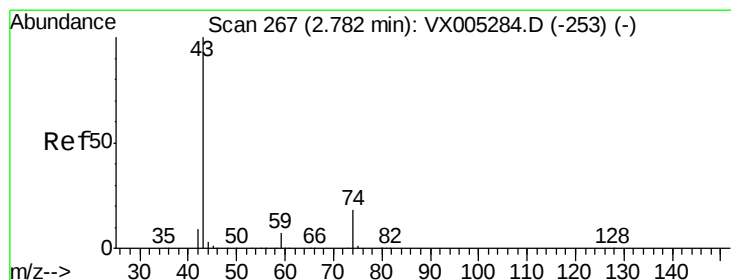
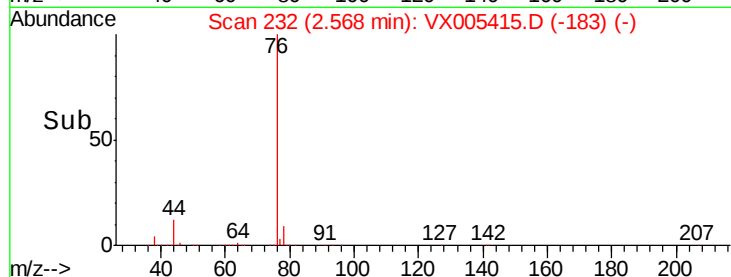
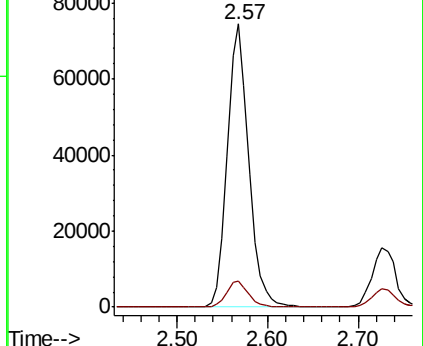
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.954 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005415.D

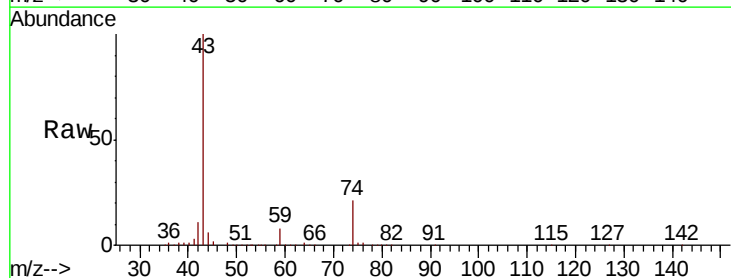
Acq: 18 Oct 2018 02:53

Tgt Ion: 43 Resp: 98339

Ion Ratio Lower Upper

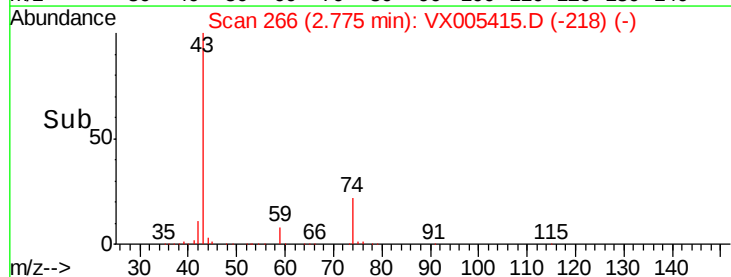
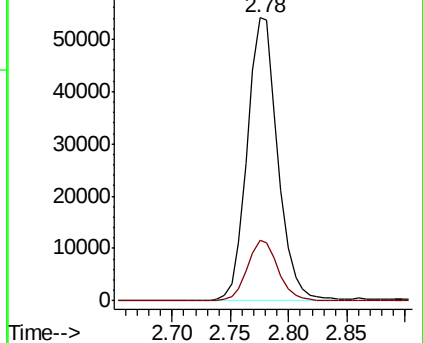
43 100

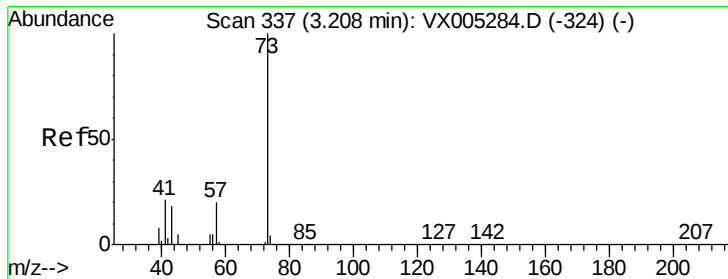
74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

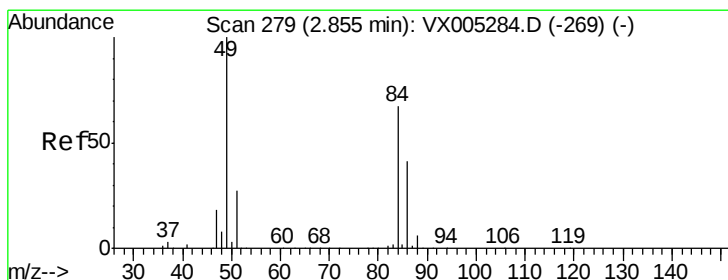
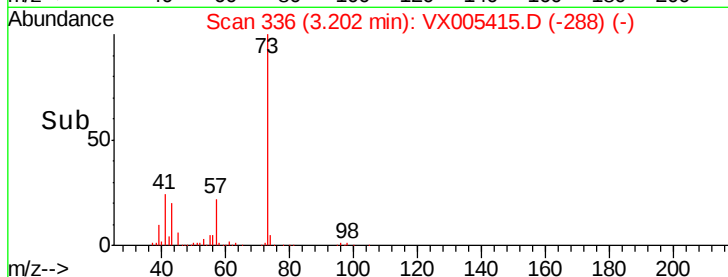
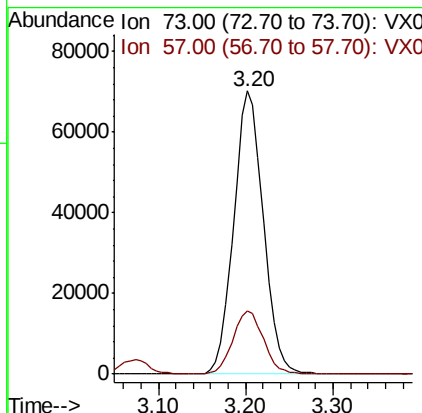
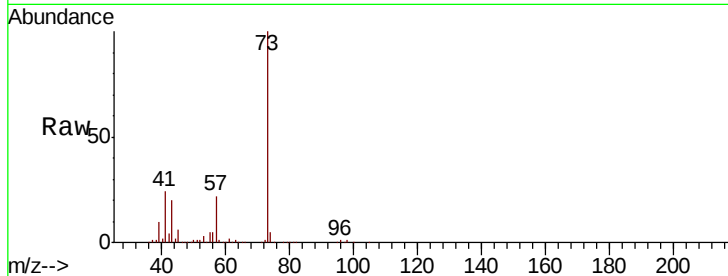




#19
Methyl tert-butyl Ether
Concen: 20.812 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

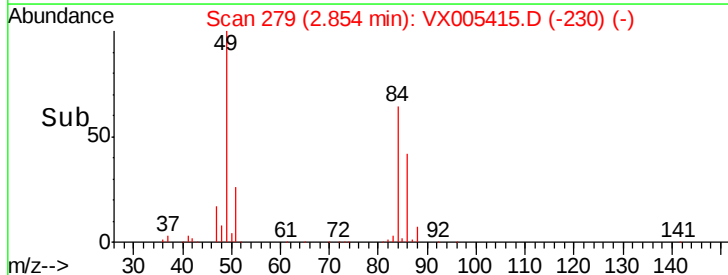
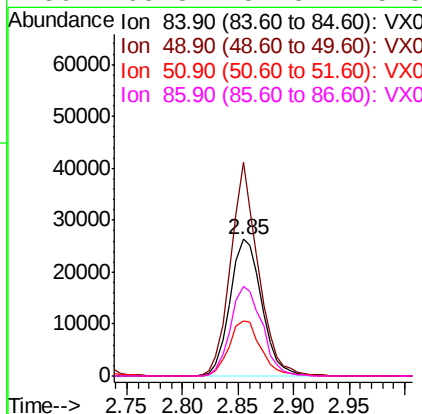
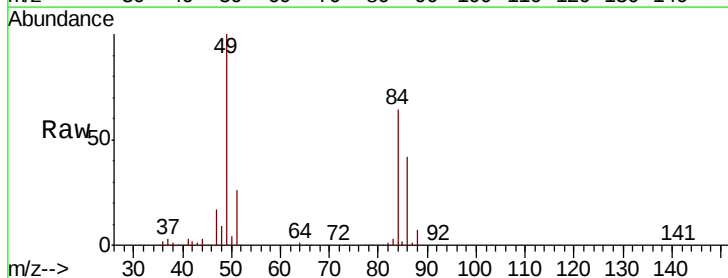
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion: 73 Resp: 165031
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7



#20
Methylene Chloride
Concen: 21.007 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 84 Resp: 52316
Ion Ratio Lower Upper
84 100
49 156.4 101.2 151.8#
51 40.4 29.5 44.3
86 65.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.261 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

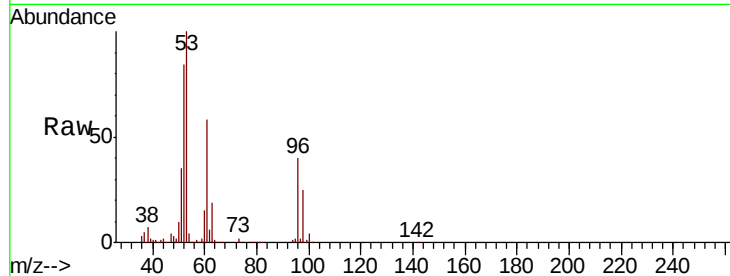
Tot Ion: 96 Resp: 48058

Ion Ratio Lower Upper

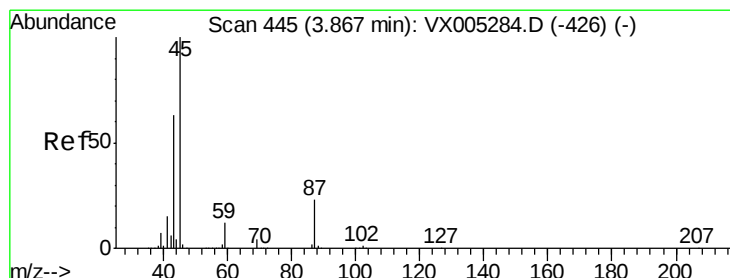
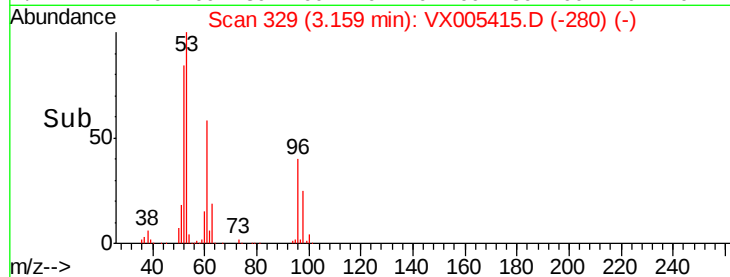
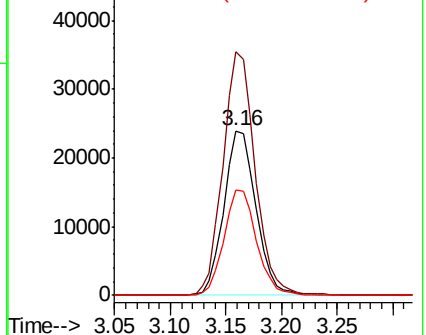
96 100

61 147.5 113.8 170.6

98 64.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.476 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Tgt Ion: 45 Resp: 161705

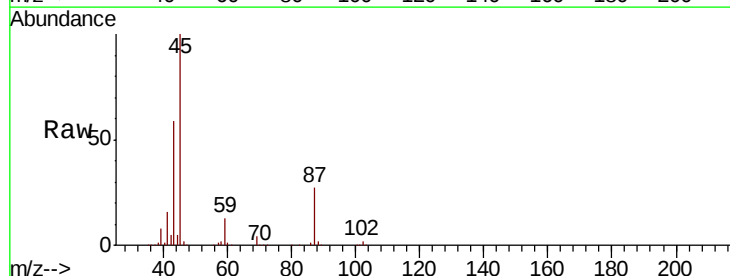
Ion Ratio Lower Upper

45 100

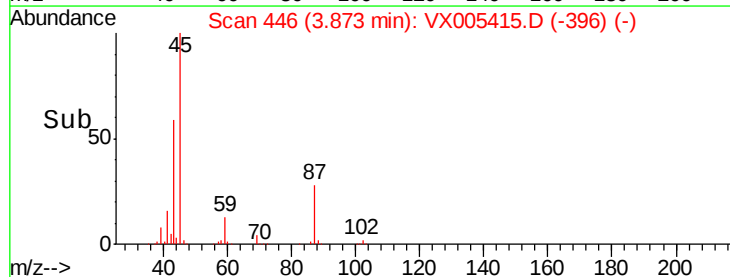
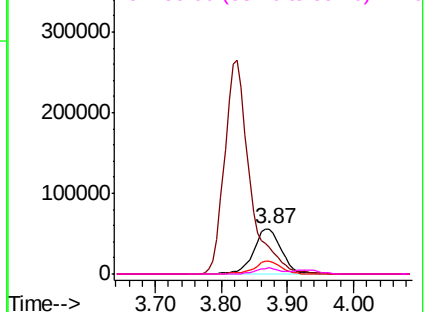
43 59.3 42.8 64.2

87 27.5 22.6 34.0

59 12.9 9.6 14.4



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





#23

Vinyl Acetate

Concen: 96.849 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

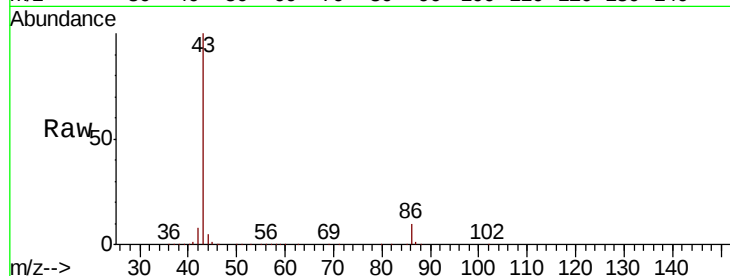
VX1017WBSD02

Tot Ion: 43 Resp: 702813

Ion Ratio Lower Upper

43 100

86 9.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

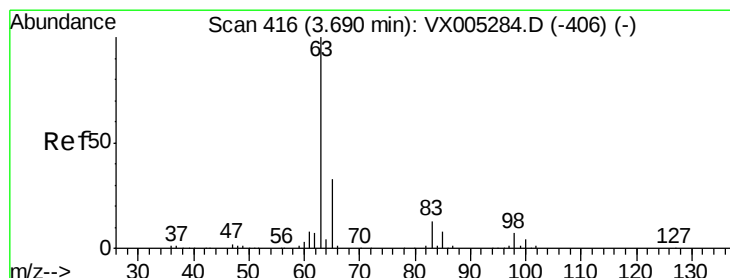
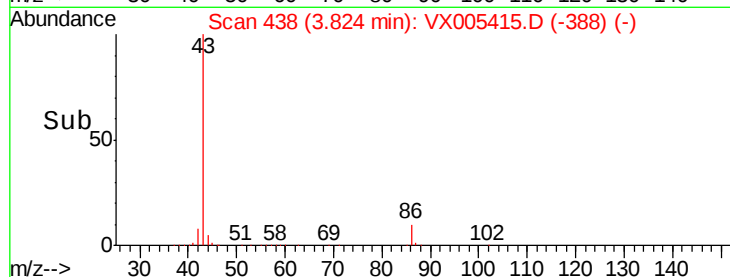
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.637 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

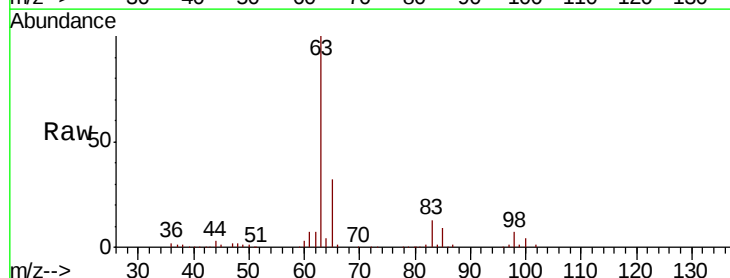
Tgt Ion: 63 Resp: 98197

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 3.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

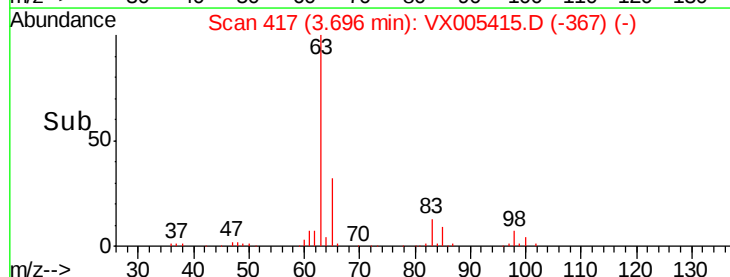
30000

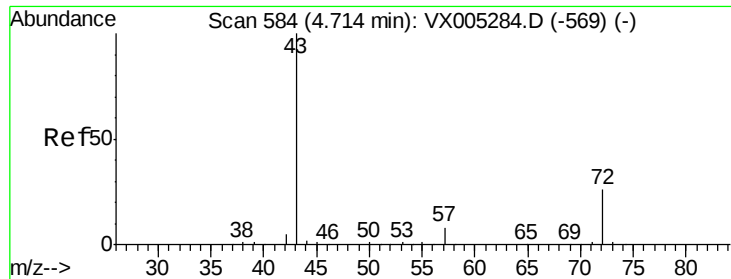
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.568 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

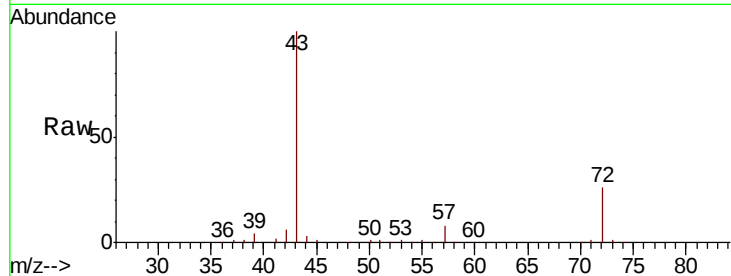
VX1017WBSD02

Tot Ion: 43 Resp: 230659

Ion Ratio Lower Upper

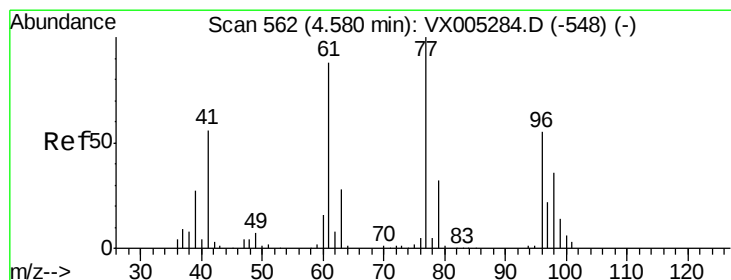
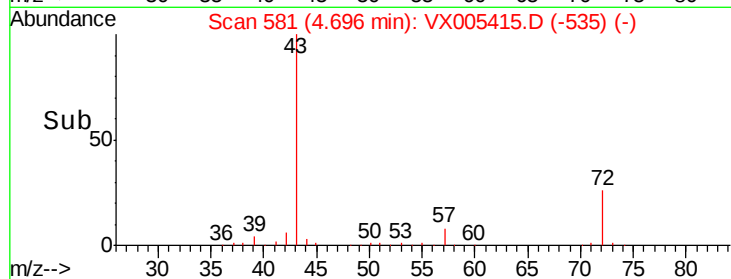
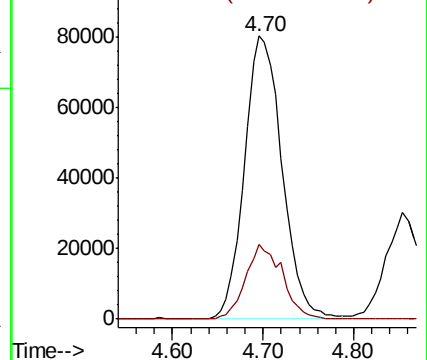
43 100

72 26.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.037 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005415.D

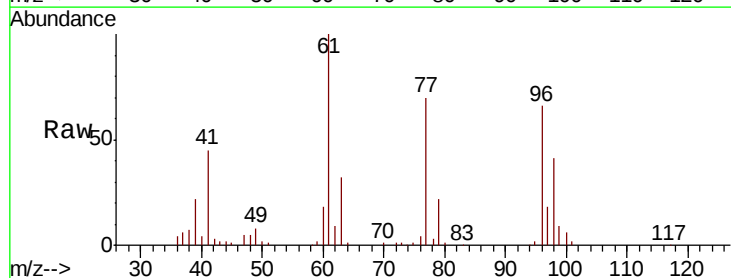
Acq: 18 Oct 2018 02:53

Tgt Ion: 77 Resp: 53514

Ion Ratio Lower Upper

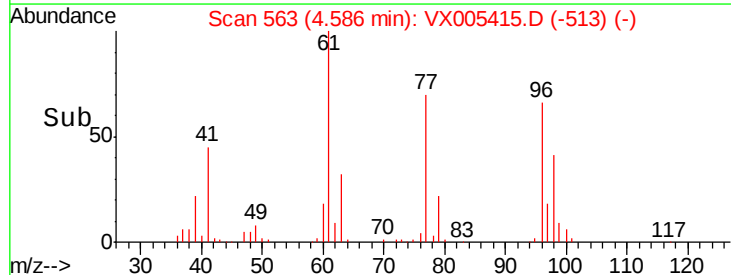
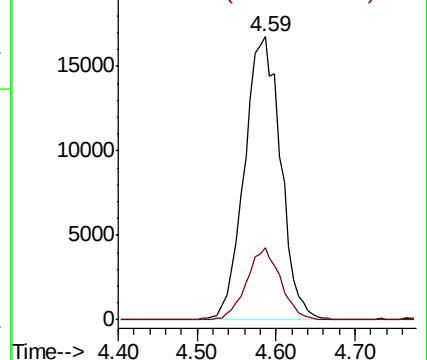
77 100

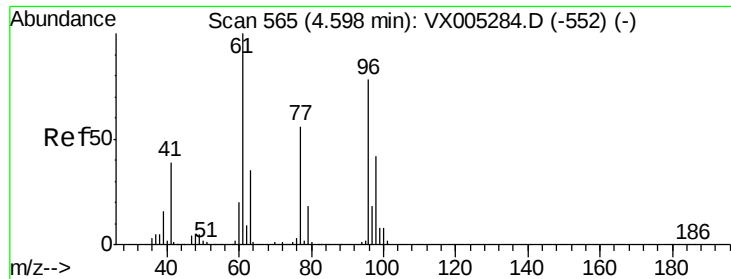
97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



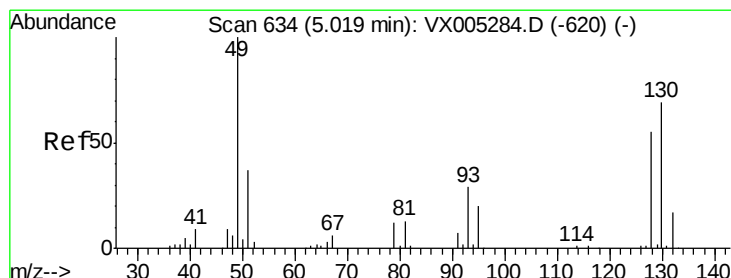
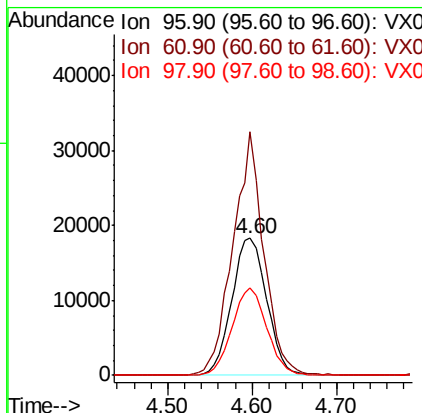
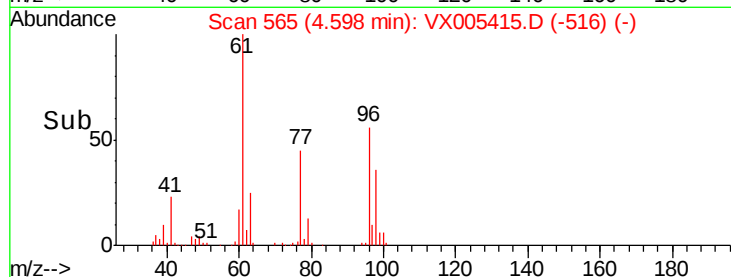
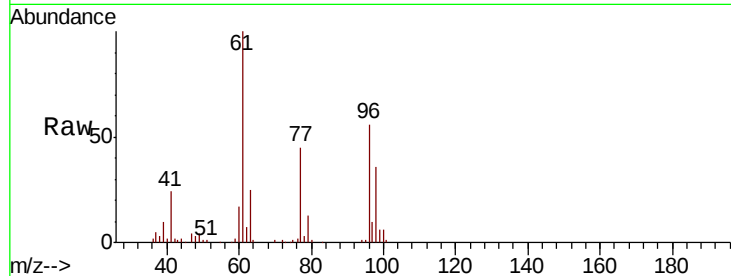


#27

cis-1,2-Dichloroethene
 Concen: 18.931 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

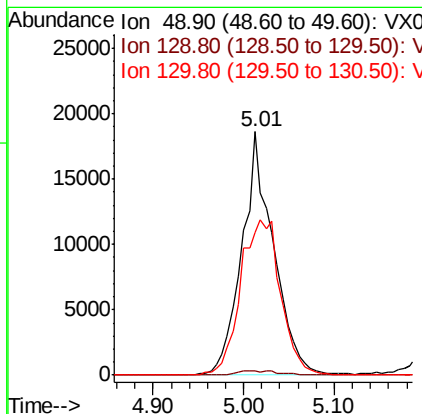
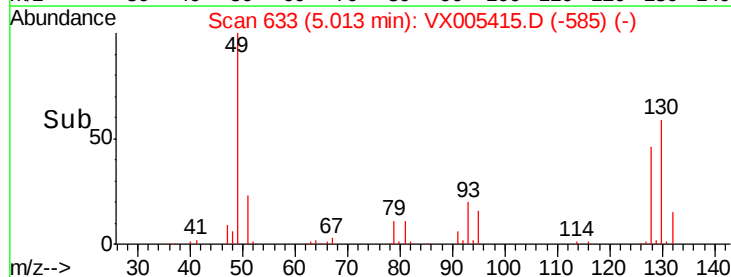
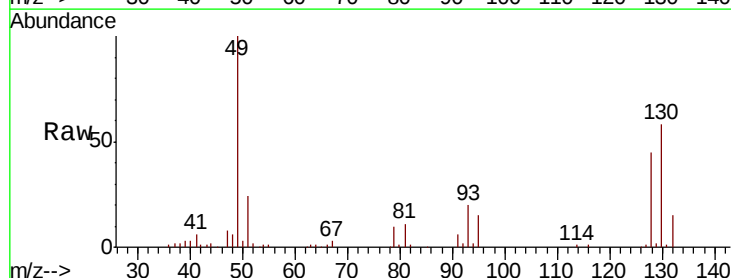
Tot Ion: 96 Resp: 51333
 Ion Ratio Lower Upper
 96 100
 61 157.0 0.0 282.6
 98 63.5 0.0 130.2

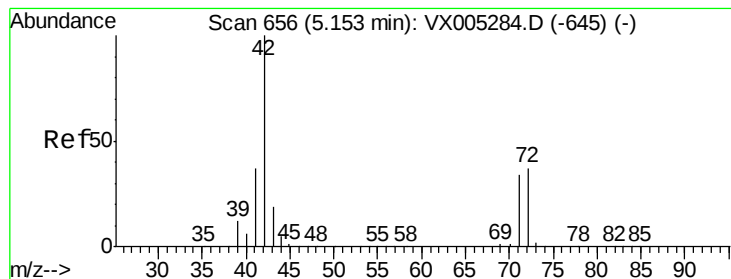


#28

Bromochloromethane
 Concen: 20.776 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion: 49 Resp: 45067
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.2
 130 80.4 67.5 101.3





#29

Tetrahydrofuran

Concen: 98.128 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

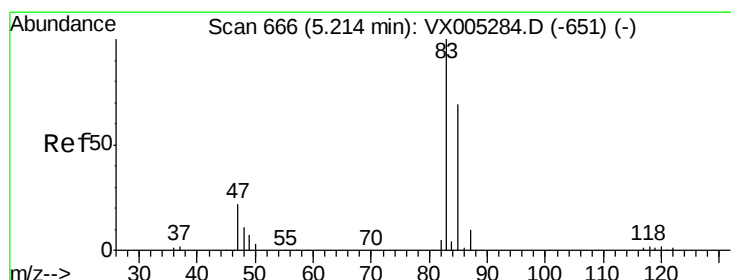
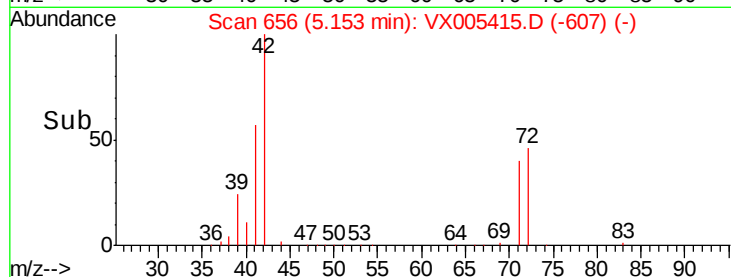
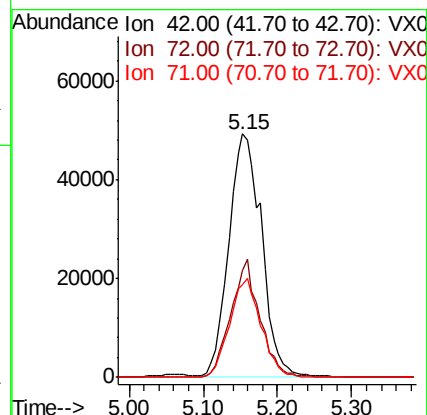
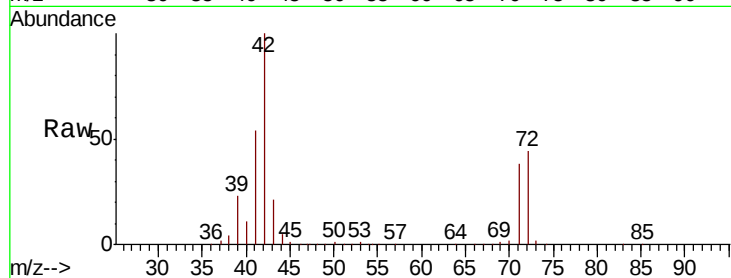
Tot Ion: 42 Resp: 151072

Ion Ratio Lower Upper

42 100

72 43.1 37.4 56.0

71 39.1 34.5 51.7



#30

Chloroform

Concen: 20.594 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005415.D

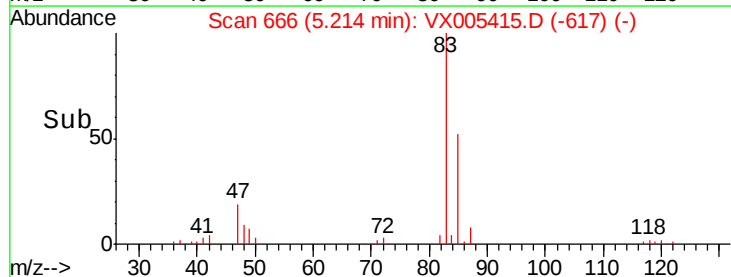
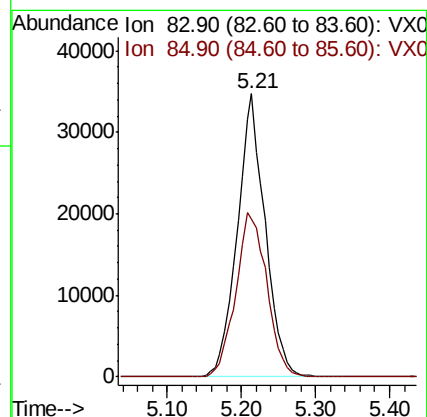
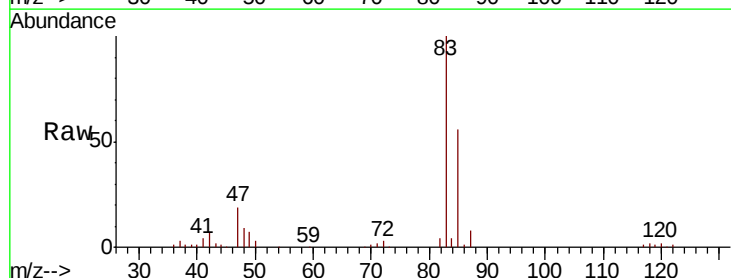
Acq: 18 Oct 2018 02:53

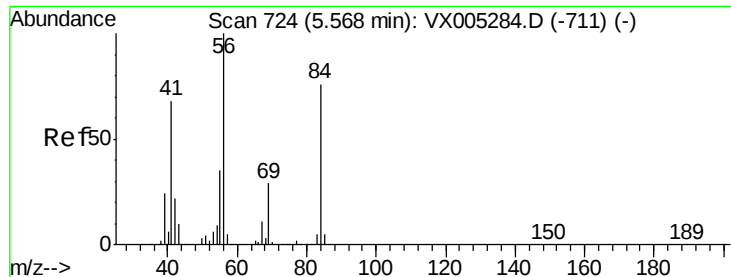
Tgt Ion: 83 Resp: 90956

Ion Ratio Lower Upper

83 100

85 55.6 52.6 79.0

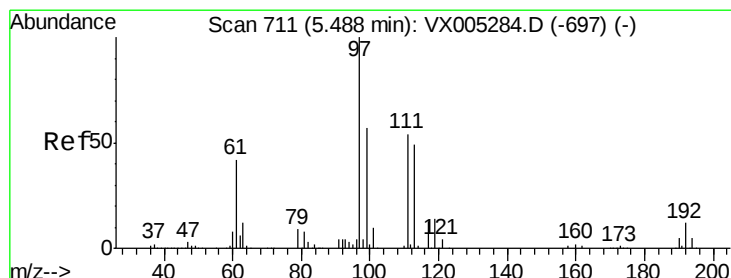
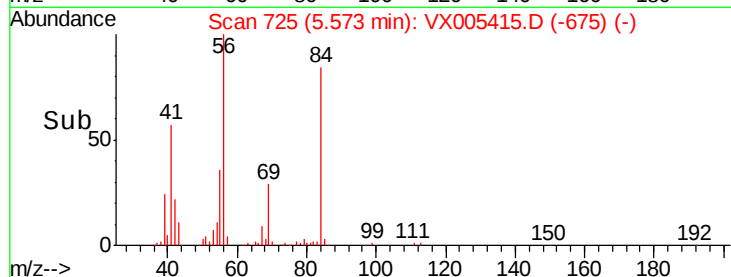
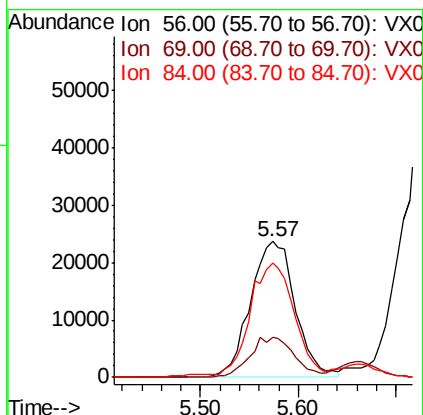
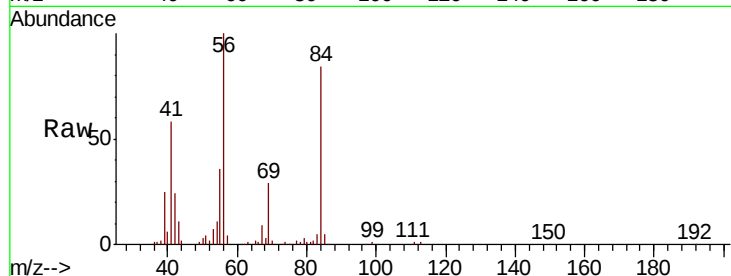




#31
Cyclohexane
Concen: 19.187 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

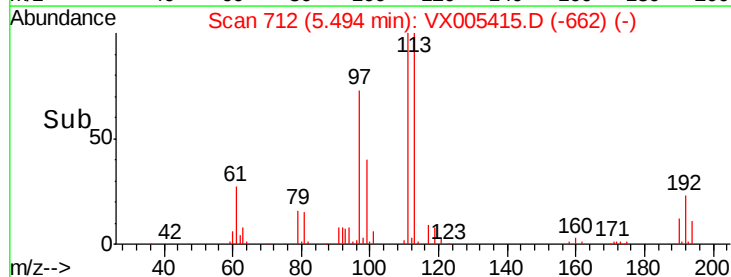
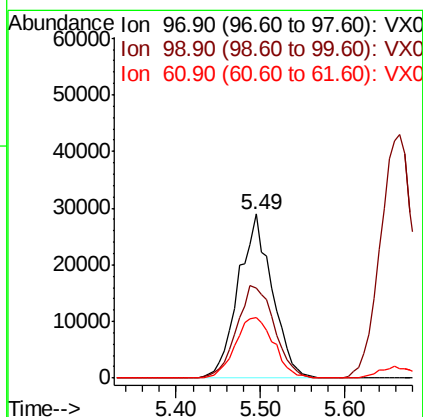
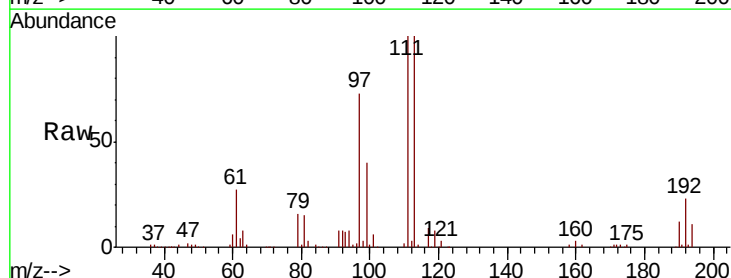
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

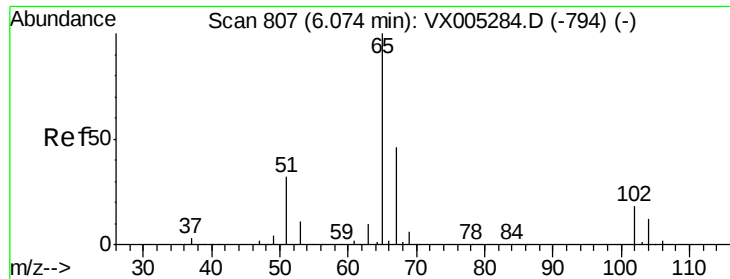
Tot Ion: 56 Resp: 75249
Ion Ratio Lower Upper
56 100
69 29.2 25.4 38.2
84 82.1 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 20.478 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 97 Resp: 78696
Ion Ratio Lower Upper
97 100
99 62.8 52.0 78.0
61 42.1 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 50.645 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

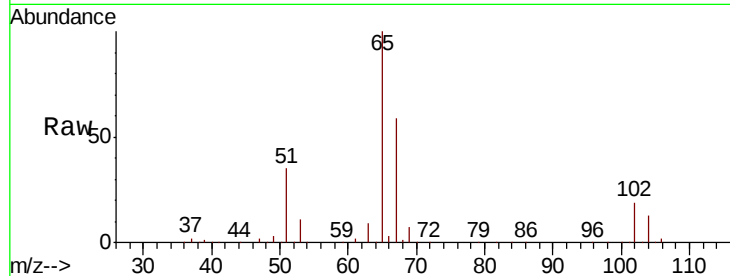
VX1017WBSD02

Tot Ion: 65 Resp: 144491

Ion Ratio Lower Upper

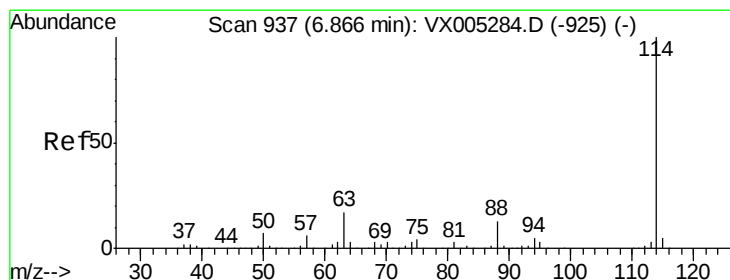
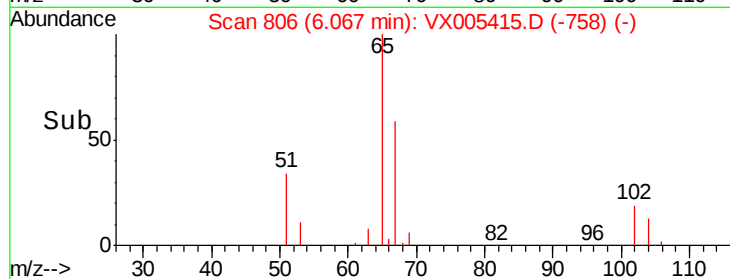
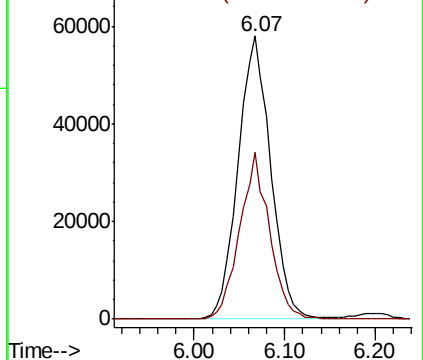
65 100

67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

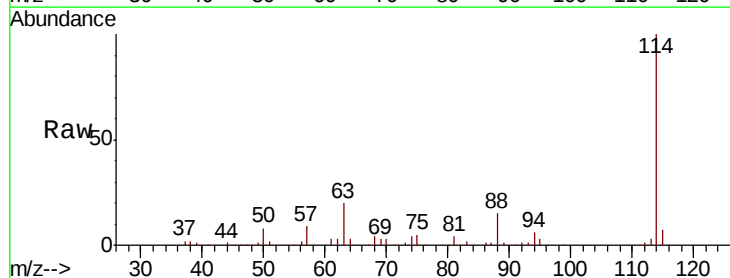
Tgt Ion: 114 Resp: 366152

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

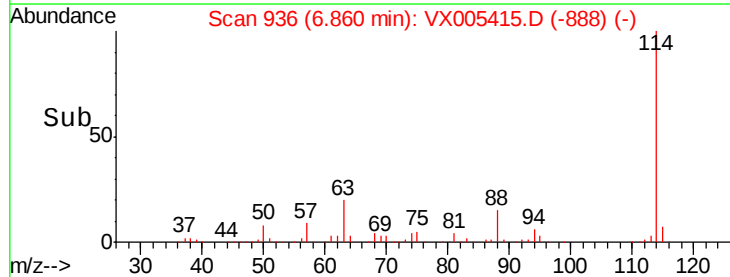
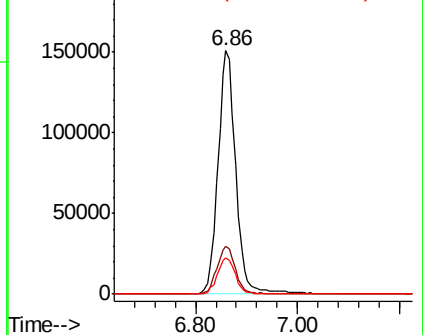
88 14.9 0.0 30.4

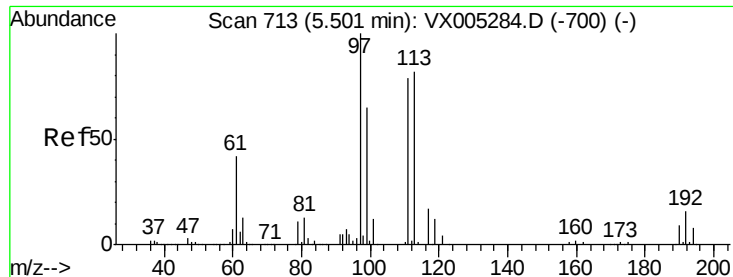


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

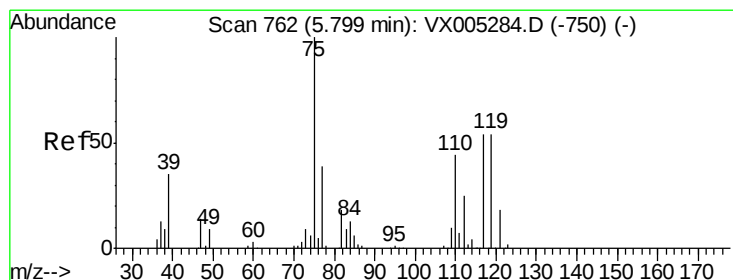
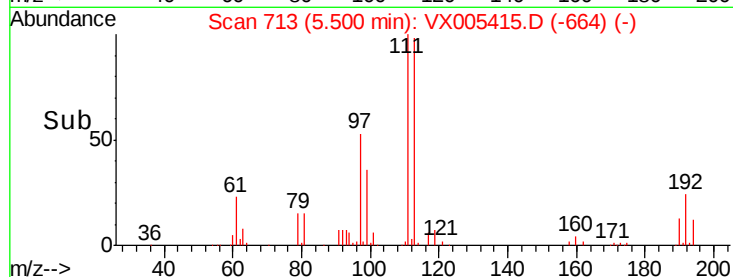
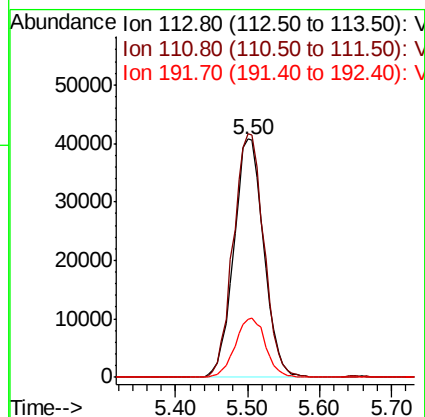
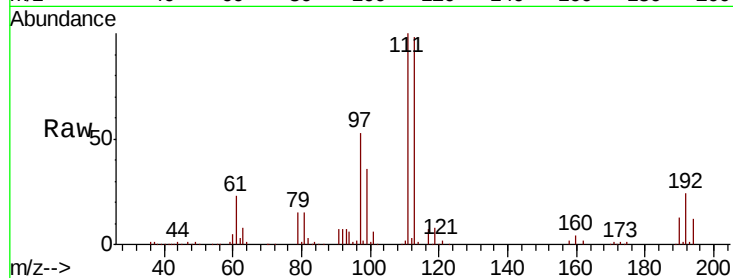




#35
 Dibromofluoromethane
 Concen: 48.614 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

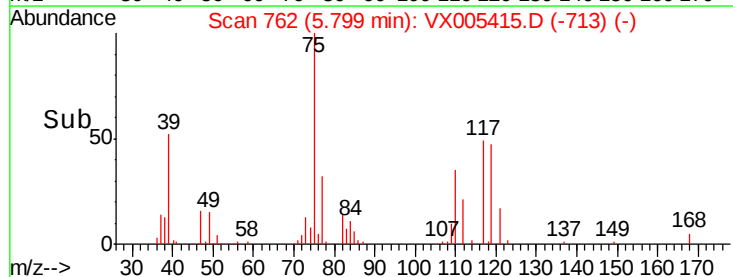
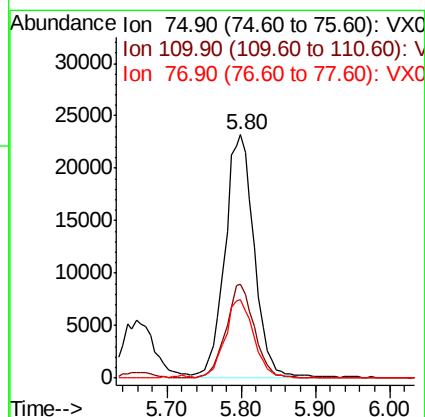
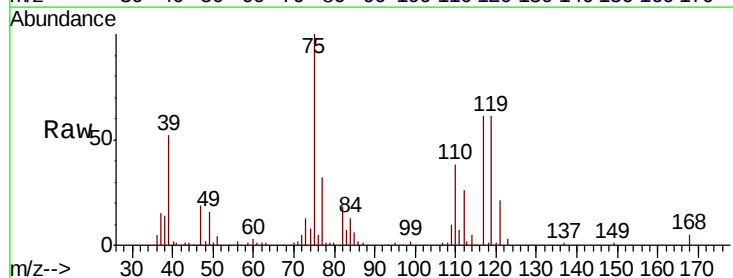
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

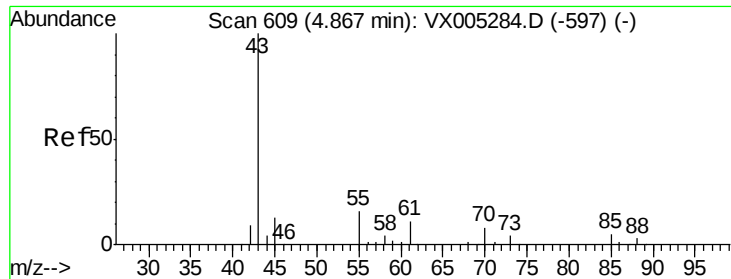
Tot Ion:113 Resp: 117895
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 24.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 17.824 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion: 75 Resp: 63205
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.0 54.0
 77 31.5 24.6 36.8





#37

Ethyl Acetate

Concen: 18.638 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

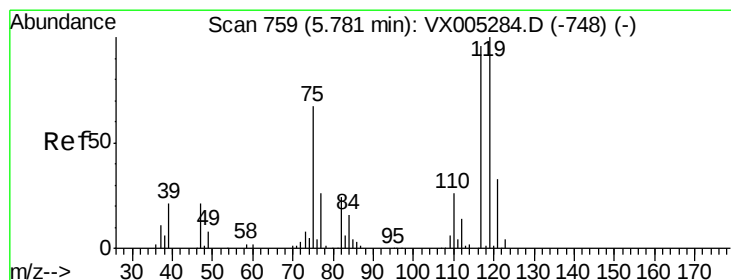
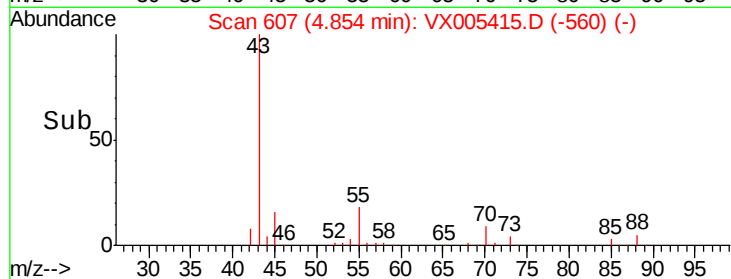
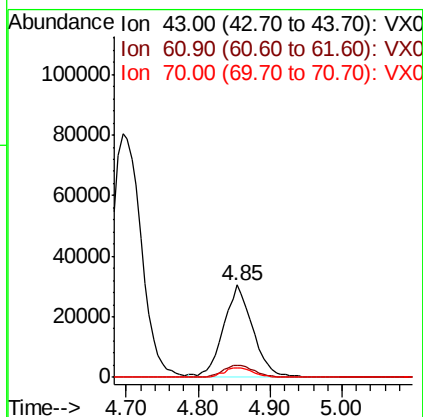
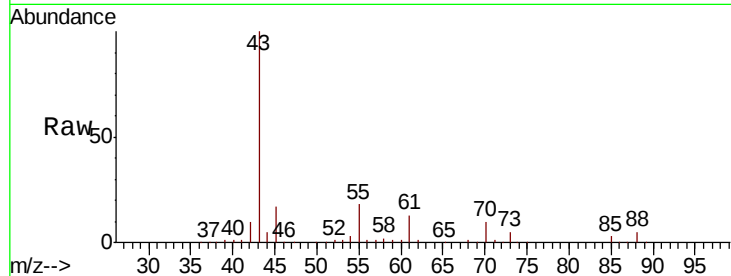
Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :
MSVOA_X
ClientSampleID :
VX1017WBSD02

Tot Ion: 43 Resp: 84998

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.7	9.0	13.6



#38

Carbon Tetrachloride

Concen: 18.624 ug/l

RT: 5.79 min Scan# 760

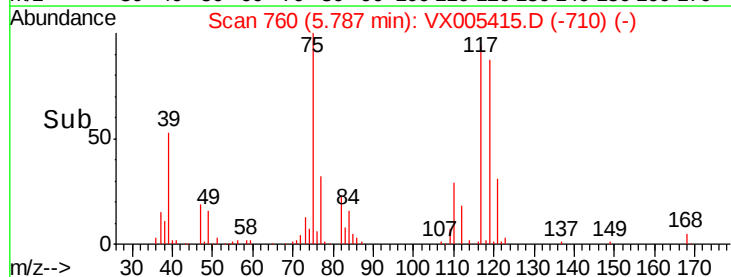
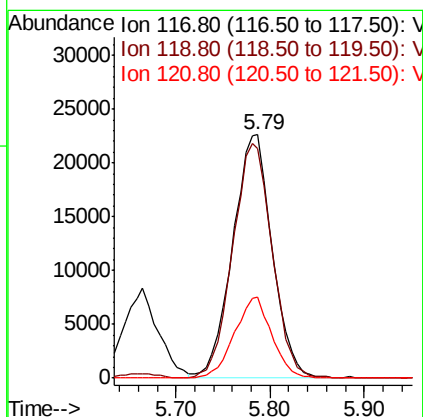
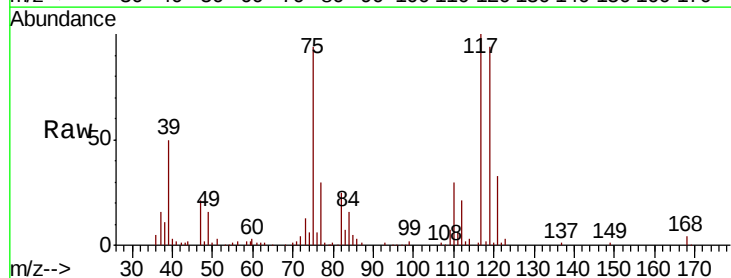
Delta R.T. 0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Tgt Ion: 117 Resp: 66359

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.8	118.2
121	33.4	24.9	37.3

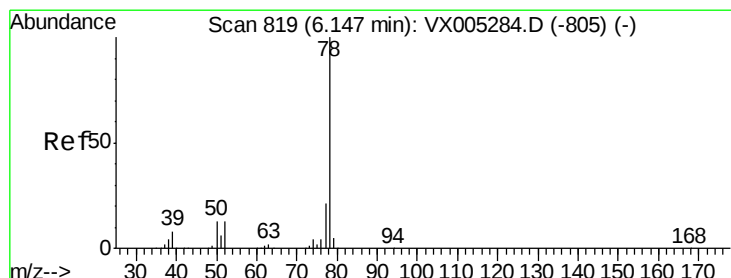
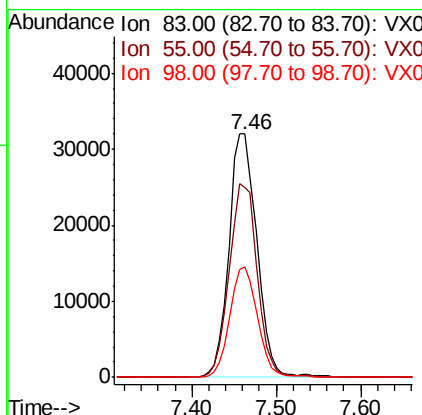
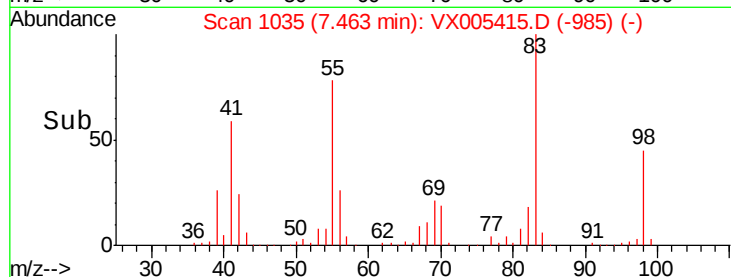
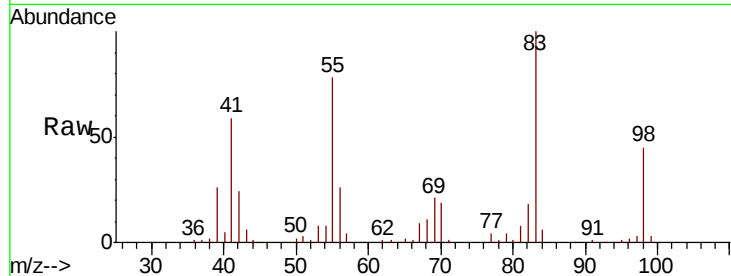




#39
Methvlcvclohexane
Concen: 18.796 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

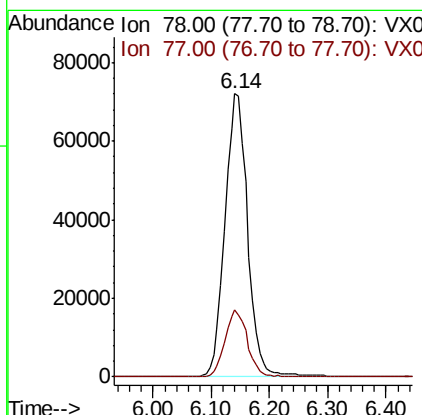
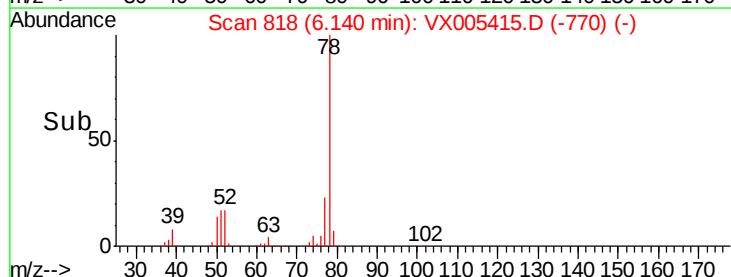
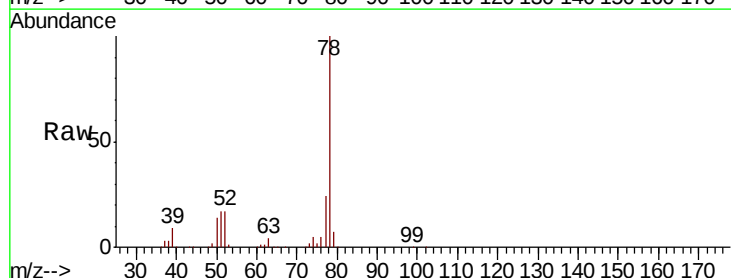
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

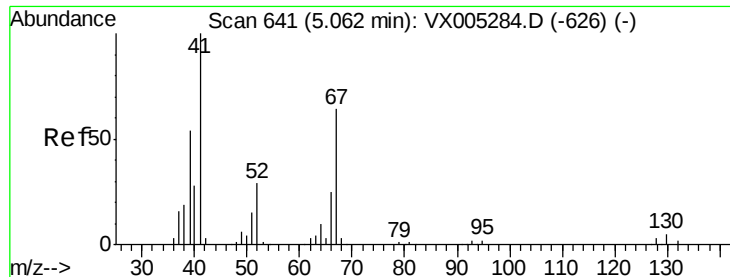
Tot Ion: 83 Resp: 72137
Ion Ratio Lower Upper
83 100
55 77.8 61.0 91.4
98 45.2 39.6 59.4



#40
Benzene
Concen: 18.393 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 78 Resp: 195663
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

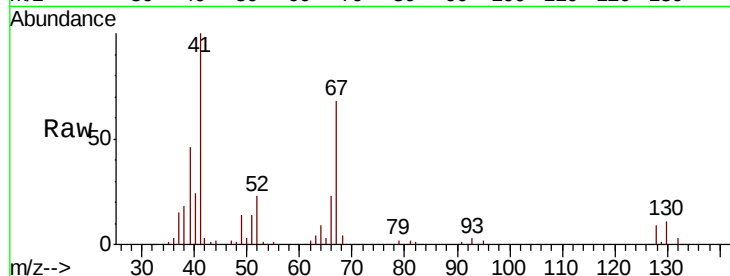




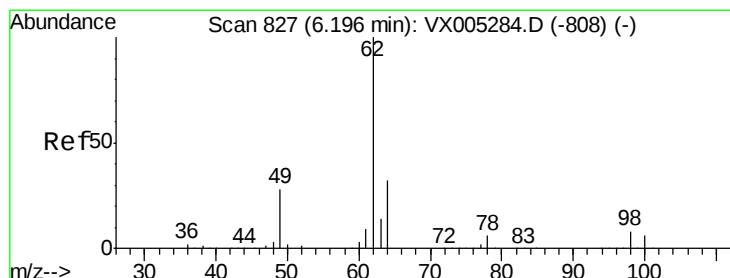
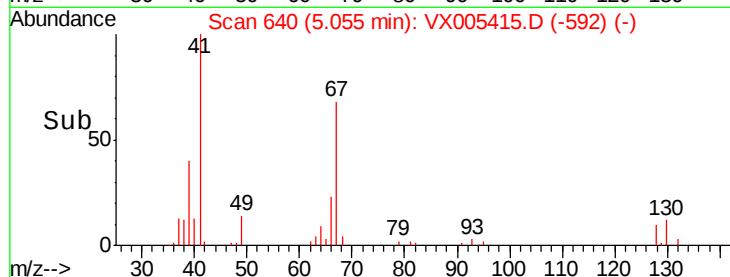
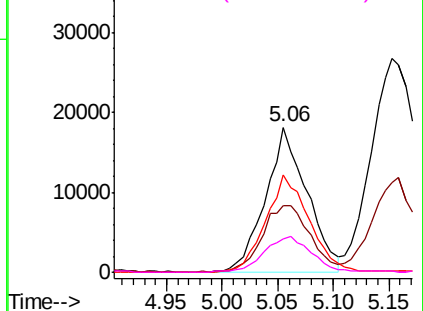
#41
Methacrylonitrile
Concen: 19.365 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion:	41	Resp:	47345
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.4	63.6
67	70.6	59.2	88.8
52	28.1	23.0	34.4

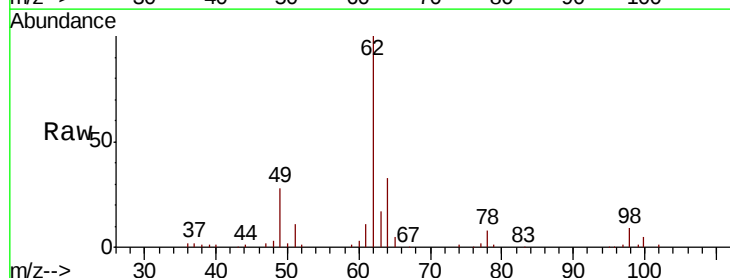


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

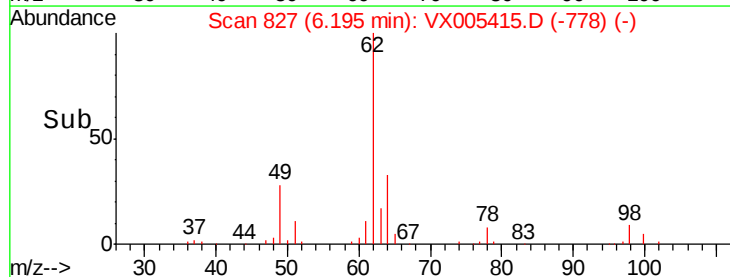
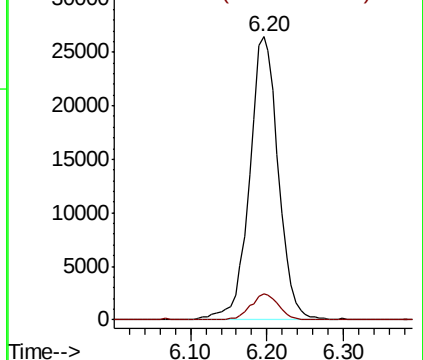


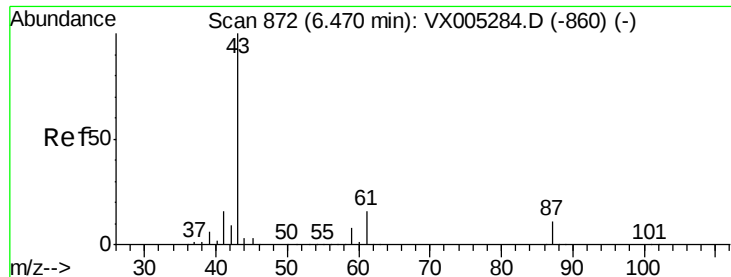
#42
1,2-Dichloroethane
Concen: 18.467 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion:	62	Resp:	69366
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 19.877 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

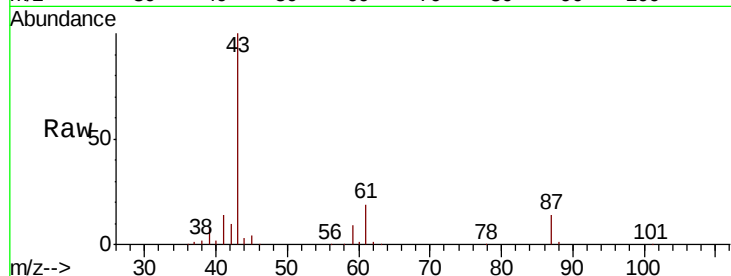
Tot Ion: 43 Resp: 120754

Ion Ratio Lower Upper

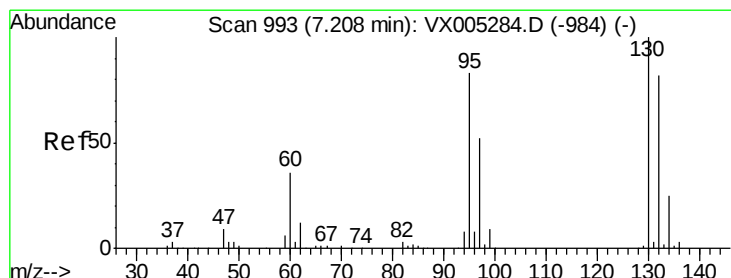
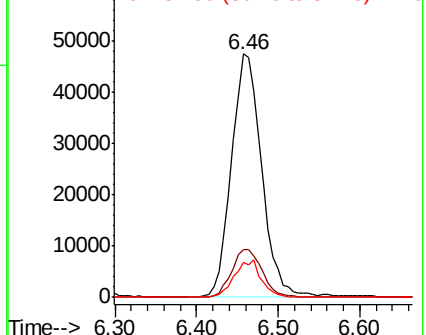
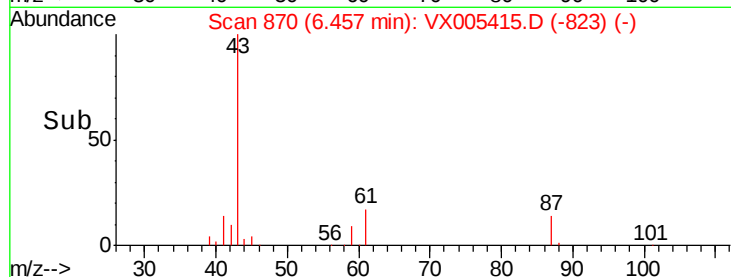
43 100

61 20.1 17.0 25.4

87 13.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005415.D (-823) (-)



#44

Trichloroethene

Concen: 19.339 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005415.D

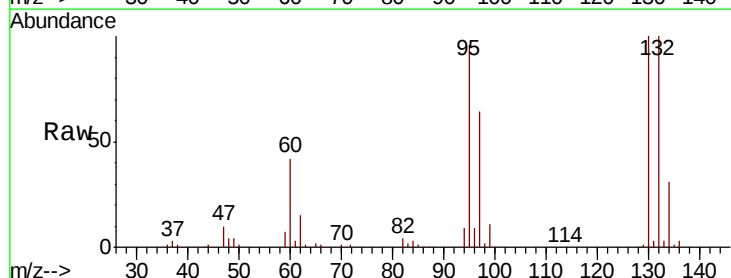
Acq: 18 Oct 2018 02:53

Tgt Ion:130 Resp: 53564

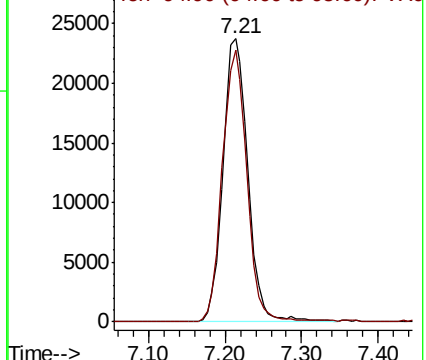
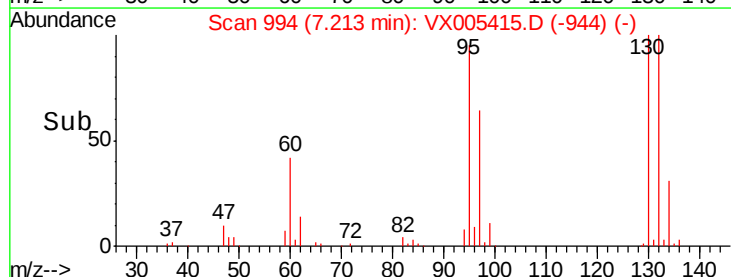
Ion Ratio Lower Upper

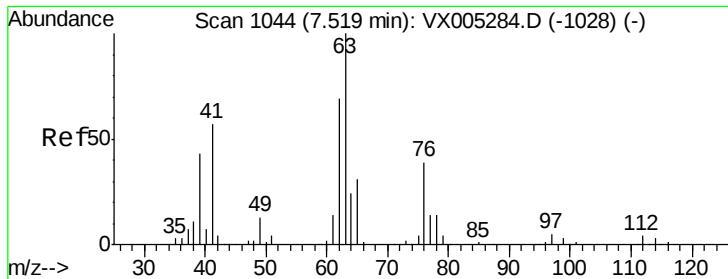
130 100

95 96.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005415.D (-944) (-)





#45

1,2-Dichloropropane

Concen: 18.986 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

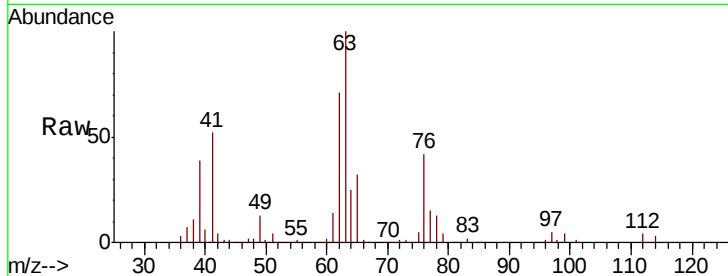
VX1017WBSD02

Tot Ion: 63 Resp: 49542

Ion Ratio Lower Upper

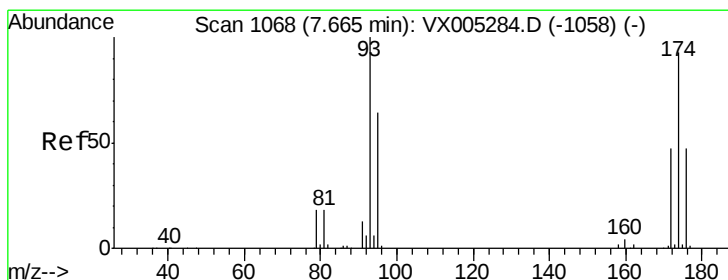
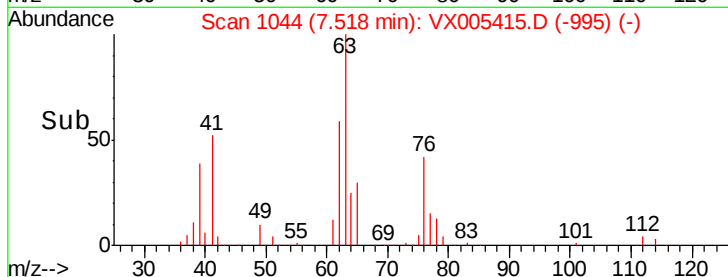
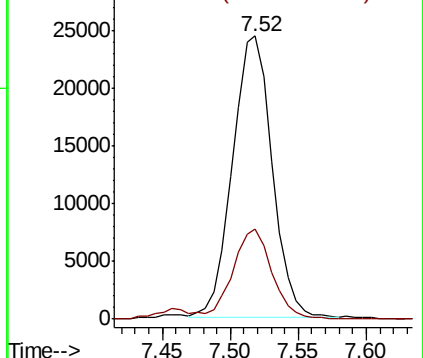
63 100

65 31.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.027 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

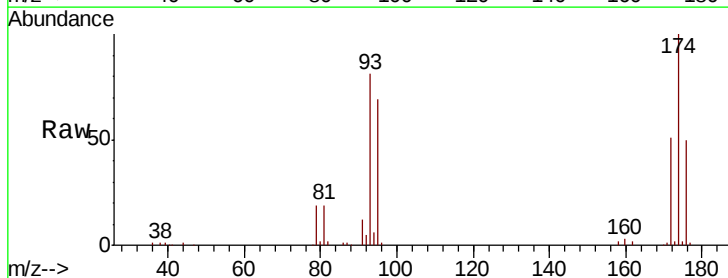
Tgt Ion: 93 Resp: 32770

Ion Ratio Lower Upper

93 100

95 84.4 65.5 98.3

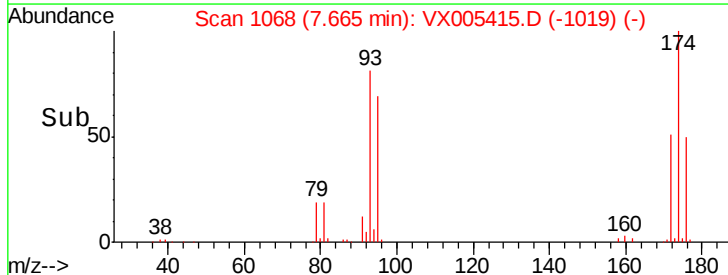
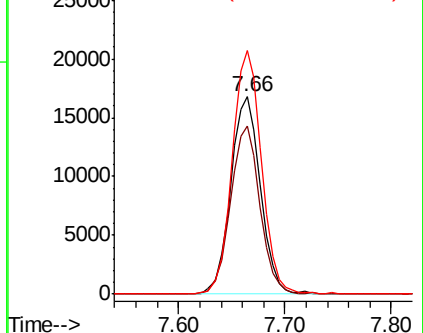
174 122.2 94.2 141.4

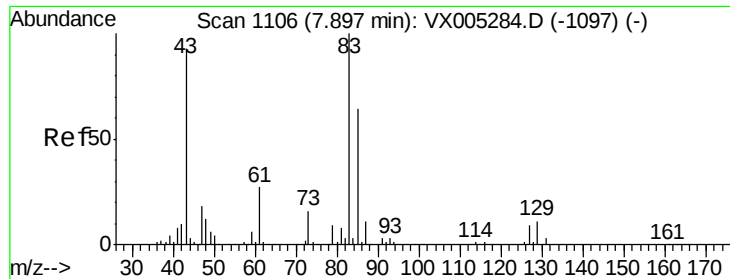


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.030 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

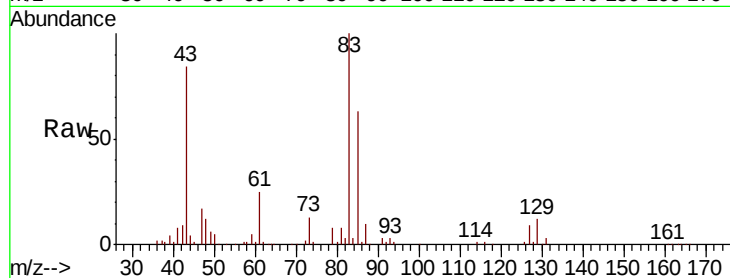
Tot Ion: 83 Resp: 63809

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

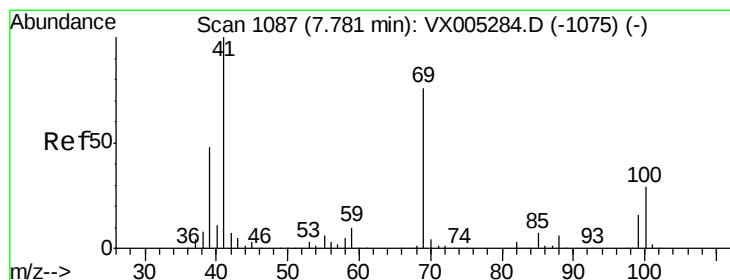
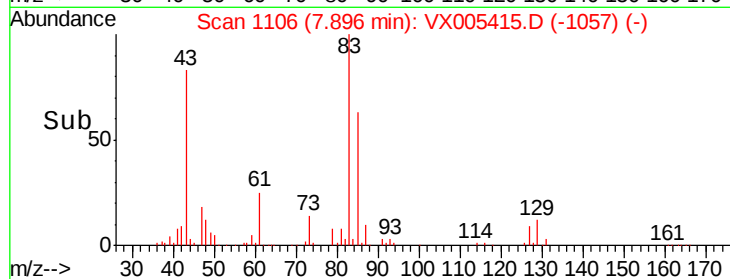
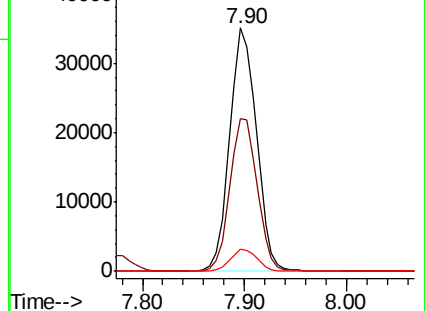
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.934 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

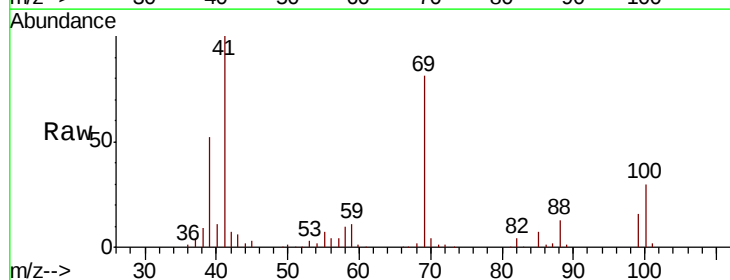
Tgt Ion: 41 Resp: 62806

Ion Ratio Lower Upper

41 100

69 82.4 70.2 105.4

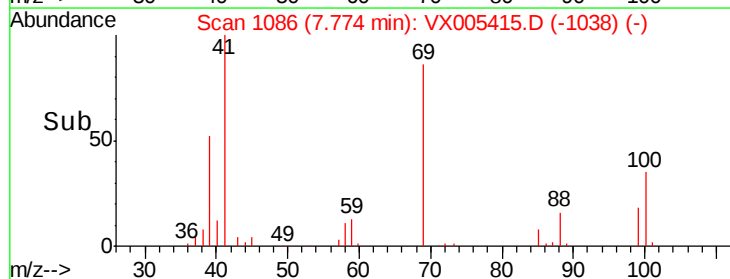
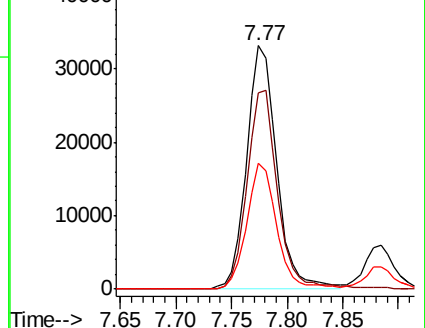
39 50.5 42.7 64.1

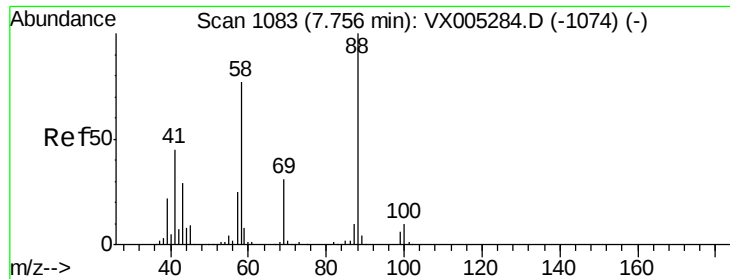


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

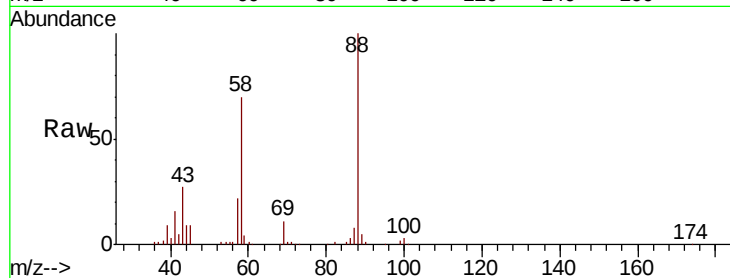




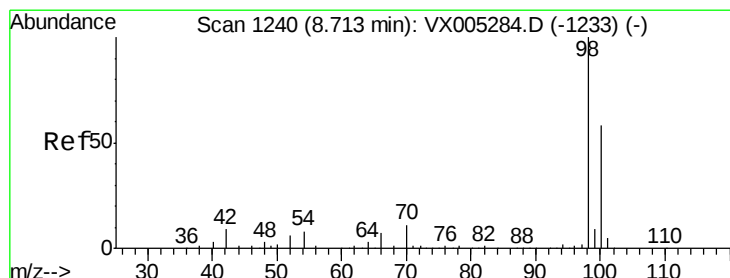
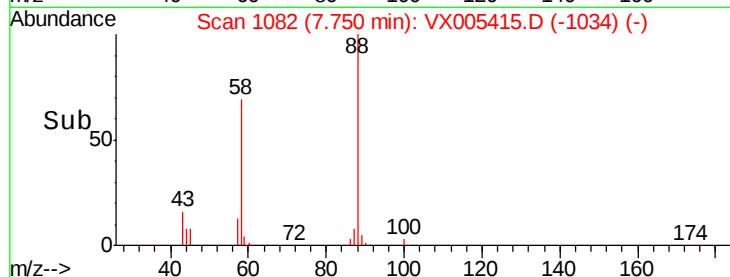
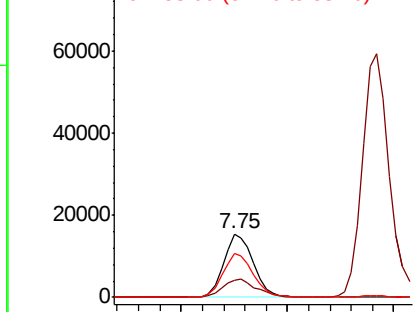
#49
1,4-Dioxane
Concen: 412.167 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion: 88 Resp: 29953
Ion Ratio Lower Upper
88 100
43 33.2 24.7 37.1
58 71.8 55.3 82.9

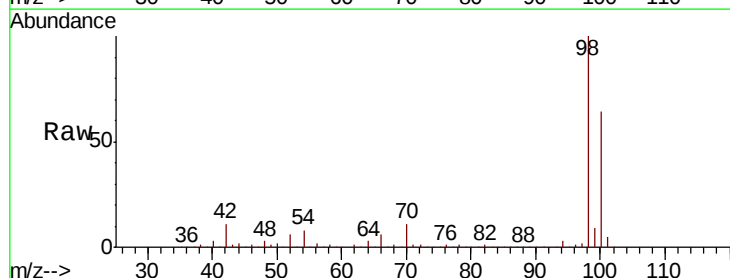


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

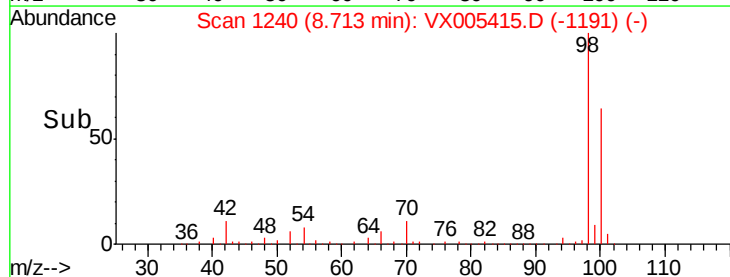
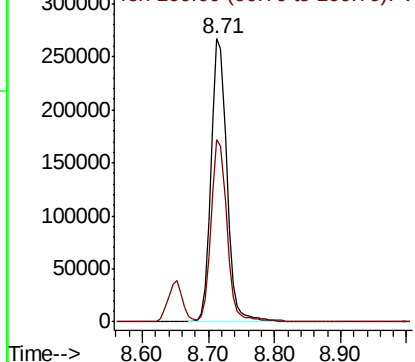


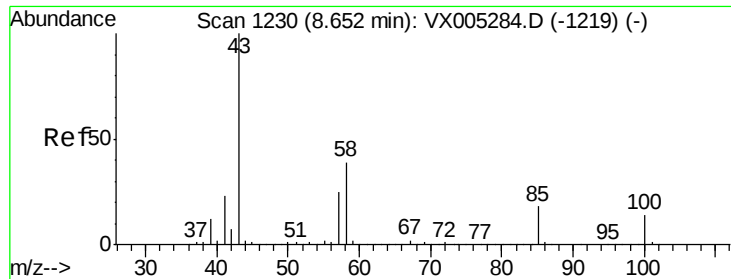
#50
Toluene-d8
Concen: 53.066 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 98 Resp: 441802
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 102.534 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

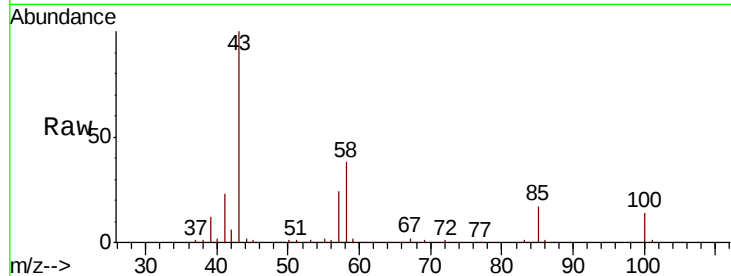
VX1017WBSD02

Tot Ion: 43 Resp: 431299

Ion Ratio Lower Upper

43 100

58 37.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

8.65

250000

200000

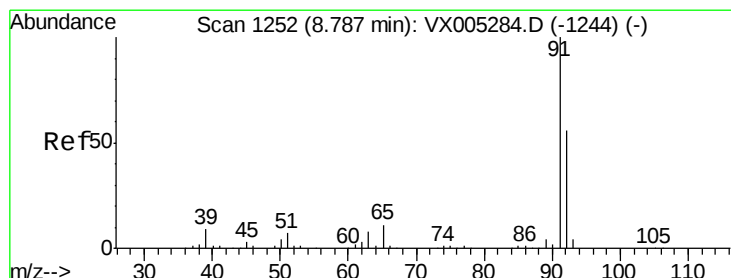
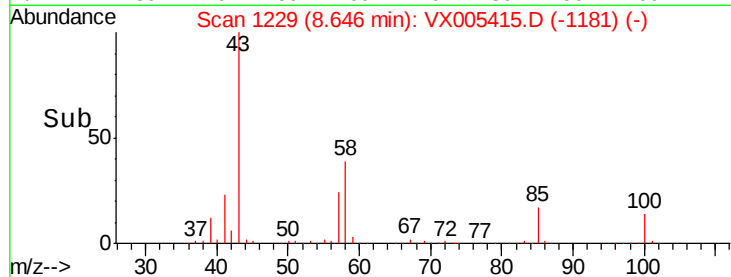
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.741 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005415.D

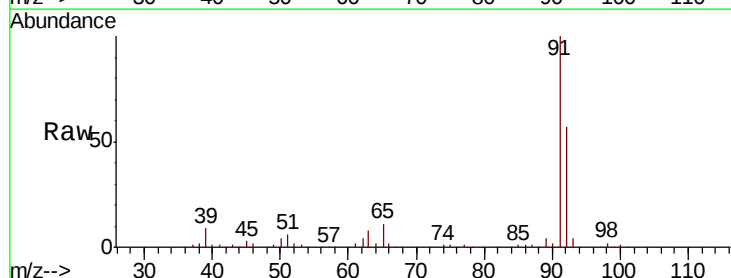
Acq: 18 Oct 2018 02:53

Tgt Ion: 92 Resp: 120706

Ion Ratio Lower Upper

92 100

91 175.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

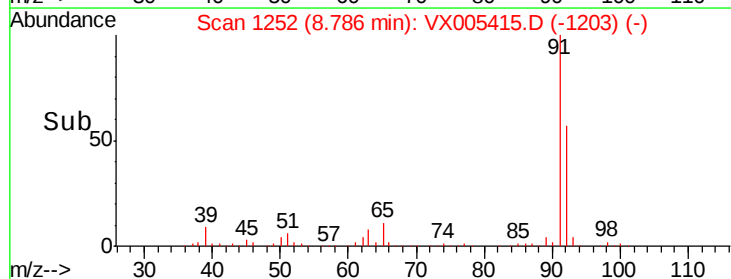
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.148 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

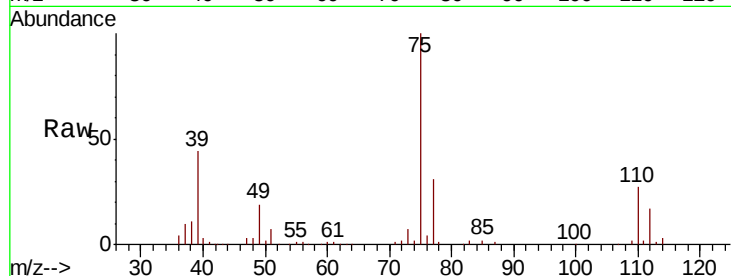
VX1017WBSD02

Tot Ion: 75 Resp: 66012

Ion Ratio Lower Upper

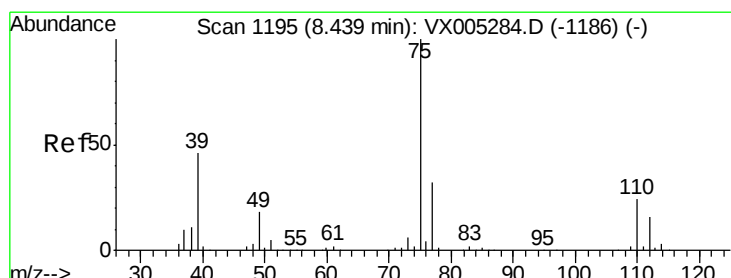
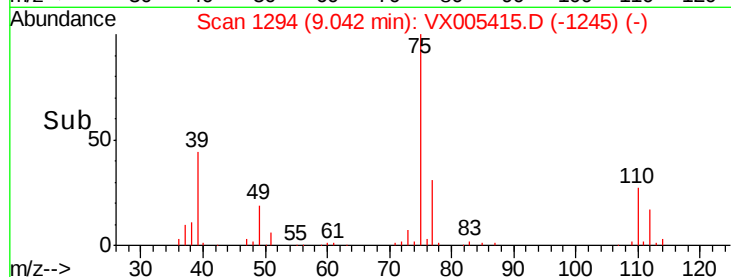
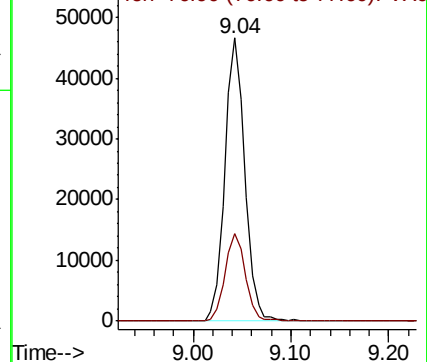
75 100

77 30.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.780 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

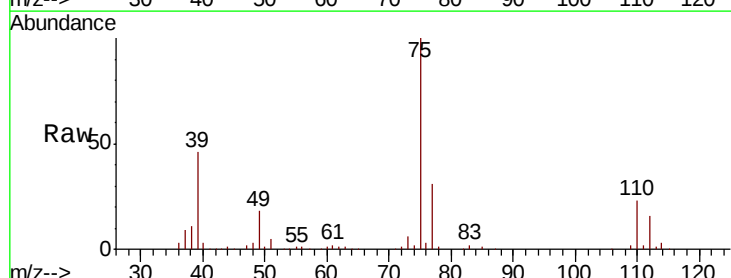
Tgt Ion: 75 Resp: 73889

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

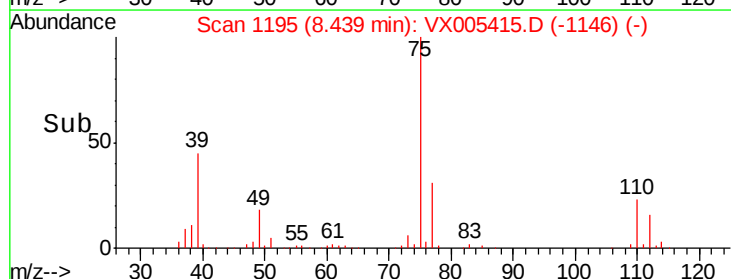
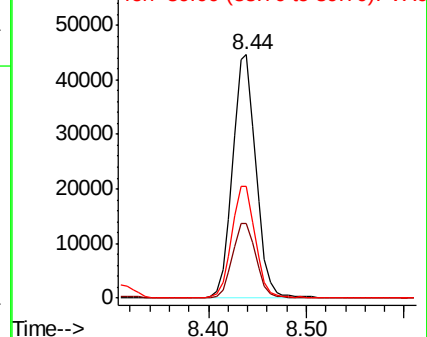
39 45.5 36.4 54.6

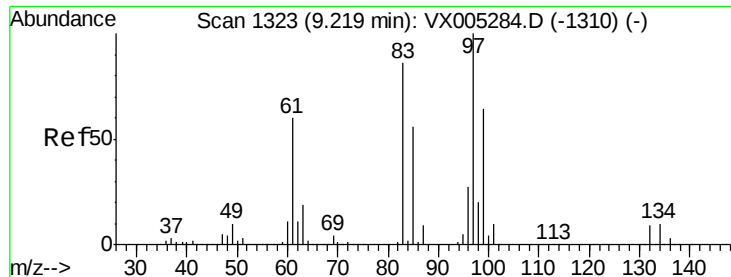


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.682 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

Tot Ion: 97 Resp: 50981

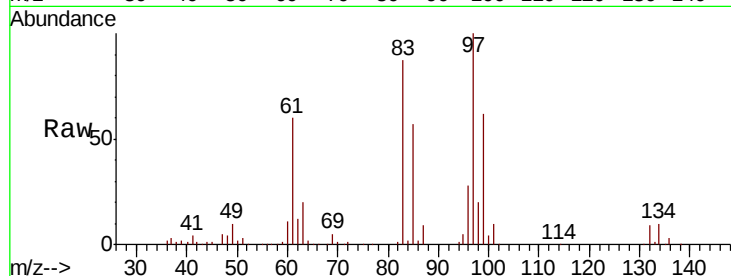
Ion Ratio Lower Upper

97 100

83 86.8 66.4 99.6

85 56.8 43.3 64.9

99 62.4 49.0 73.4

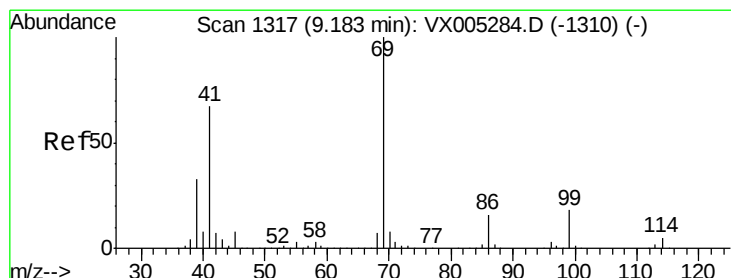
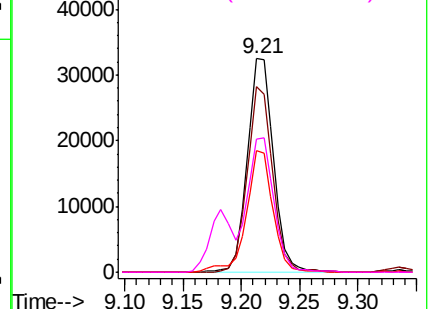
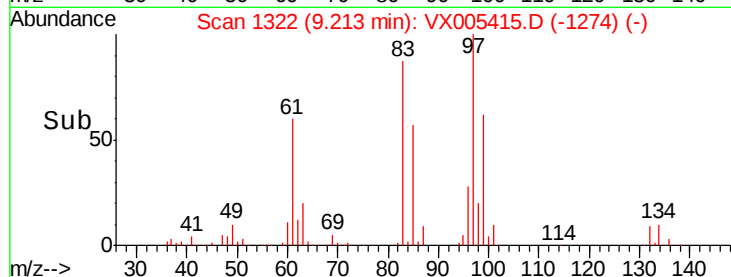


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.835 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

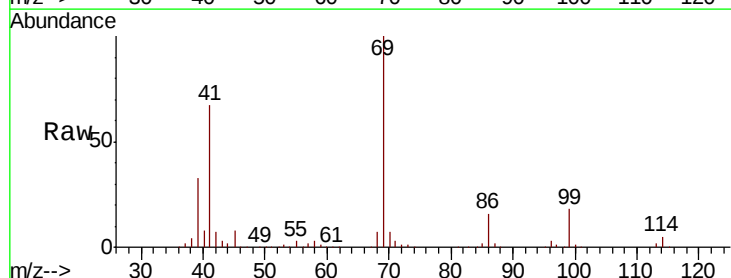
Tgt Ion: 69 Resp: 74872

Ion Ratio Lower Upper

69 100

41 68.3 51.0 76.4

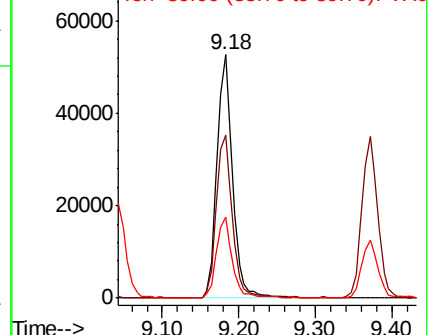
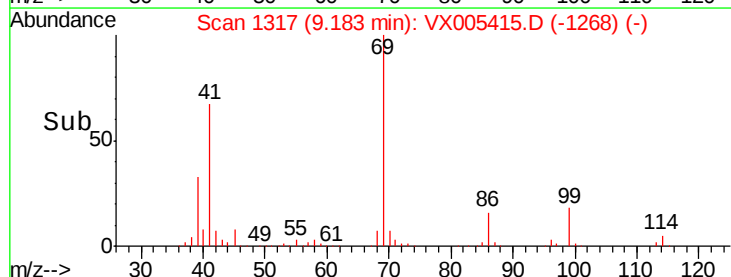
39 33.5 26.1 39.1

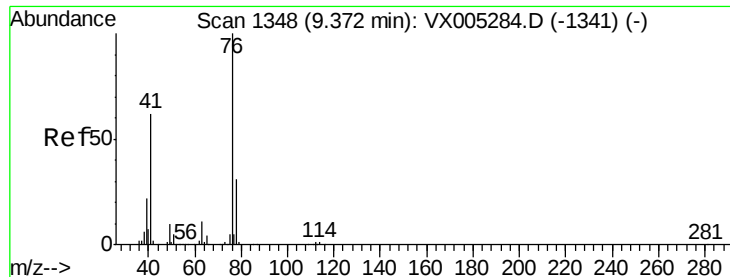


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.534 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

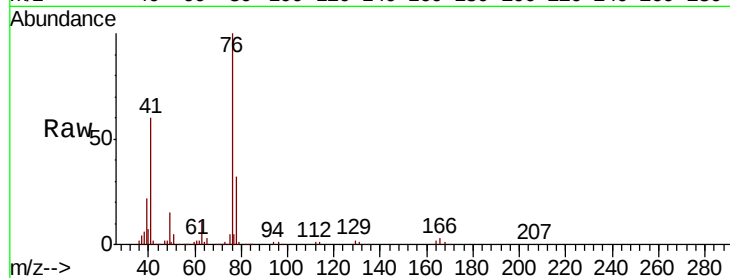
VX1017WBSD02

Tot Ion: 76 Resp: 84484

Ion Ratio Lower Upper

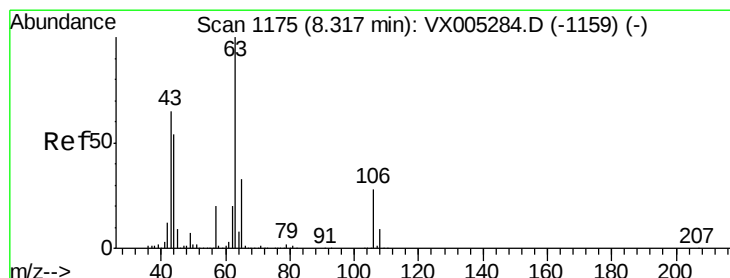
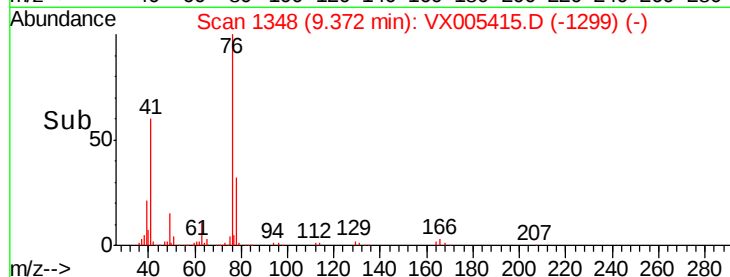
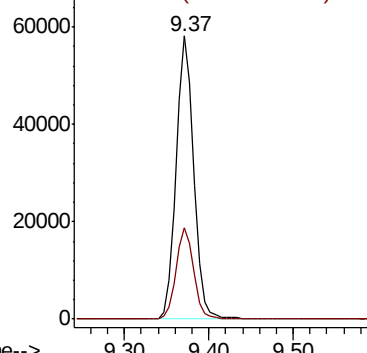
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.932 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005415.D

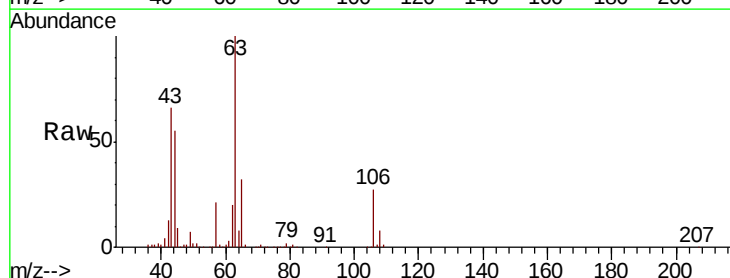
Acq: 18 Oct 2018 02:53

Tgt Ion: 63 Resp: 207439

Ion Ratio Lower Upper

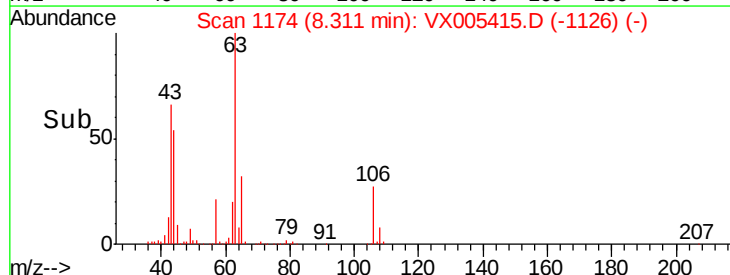
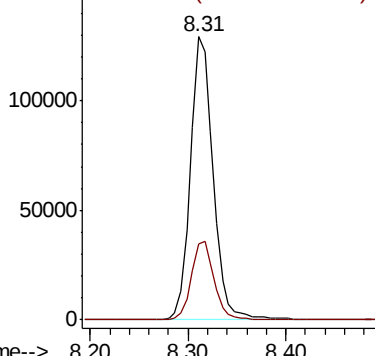
63 100

106 28.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

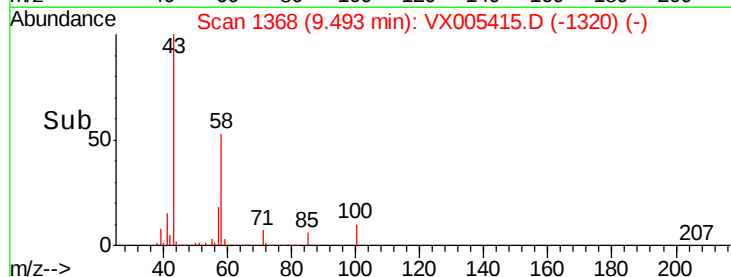
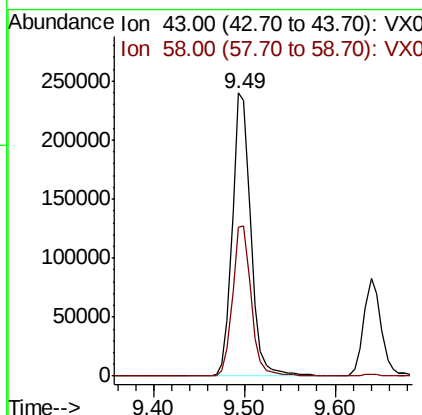
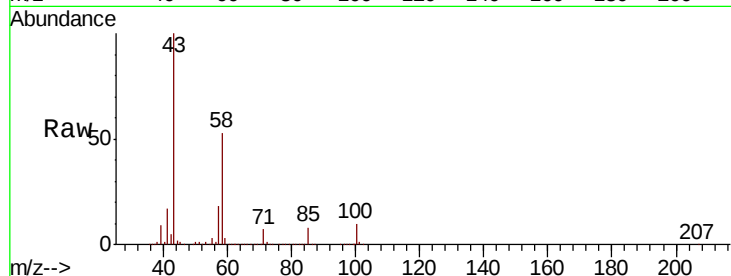




#59
2-Hexanone
Concen: 100.099 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

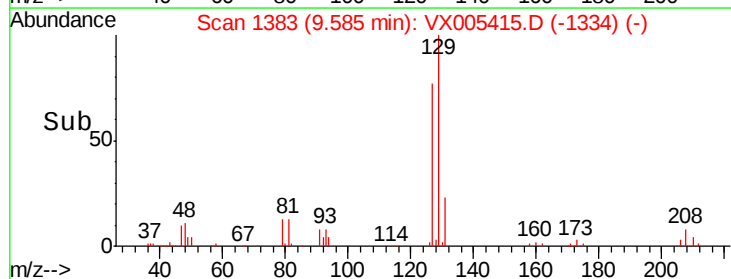
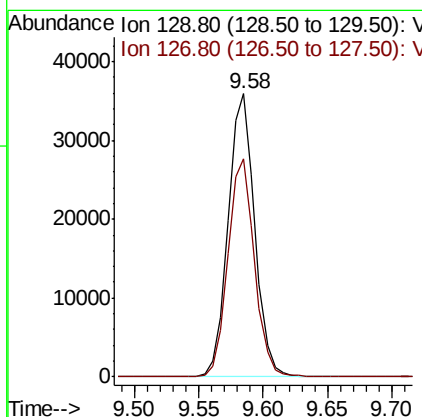
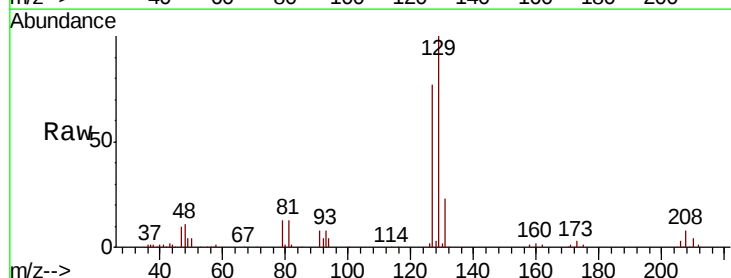
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

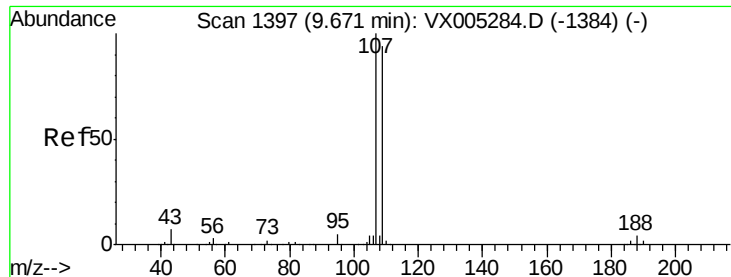
Tot Ion: 43 Resp: 338697
Ion Ratio Lower Upper
43 100
58 53.5 29.0 87.0



#60
Dibromochloromethane
Concen: 20.388 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion:129 Resp: 51948
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.342 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

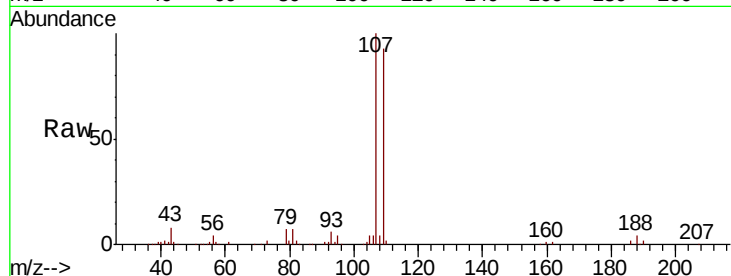
VX1017WBSD02

Tot Ion:107 Resp: 52624

Ion Ratio Lower Upper

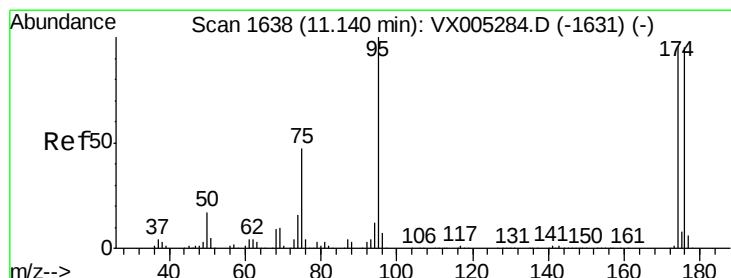
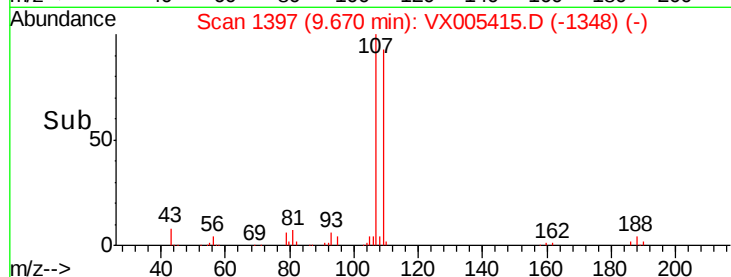
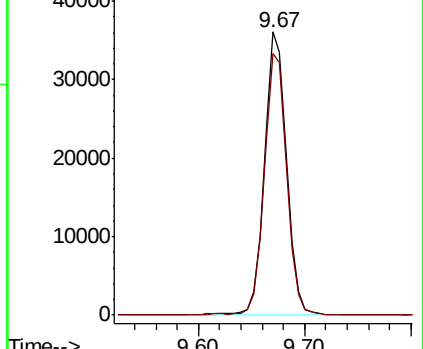
107 100

109 93.9 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.043 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

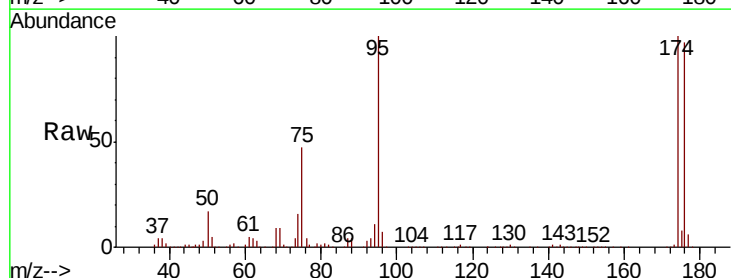
Tgt Ion: 95 Resp: 165899

Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.2

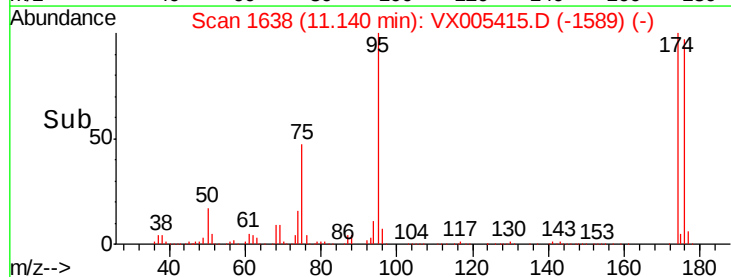
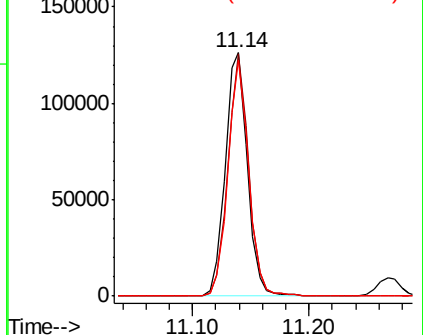
176 91.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

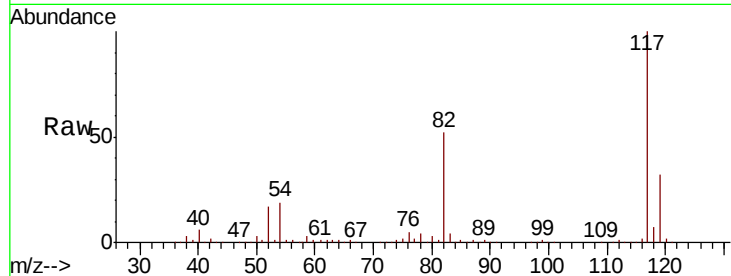




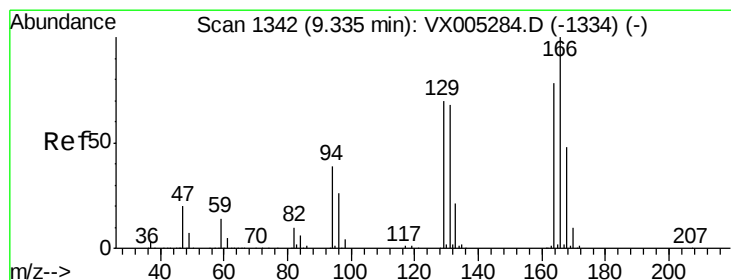
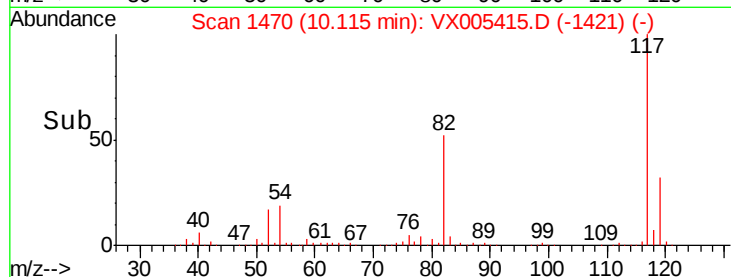
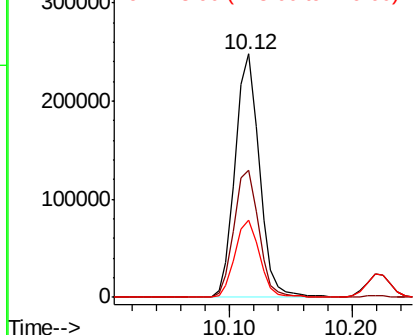
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion:117 Resp: 341417
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 31.6 29.3 43.9

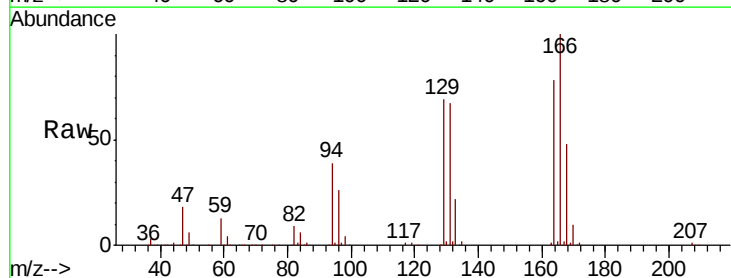


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

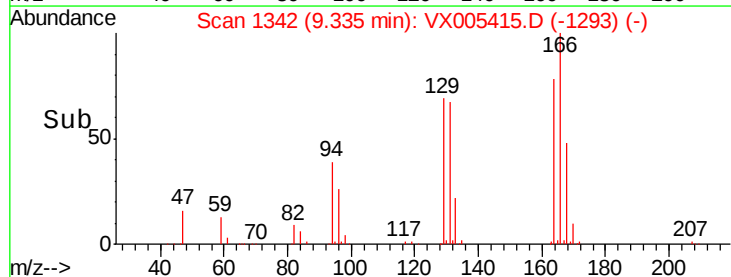
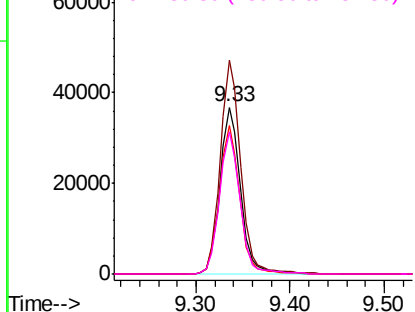


#64
Tetrachloroethene
Concen: 20.295 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion:164 Resp: 55783
Ion Ratio Lower Upper
164 100
166 128.2 102.8 154.2
129 88.9 69.4 104.0
131 85.3 67.9 101.9



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

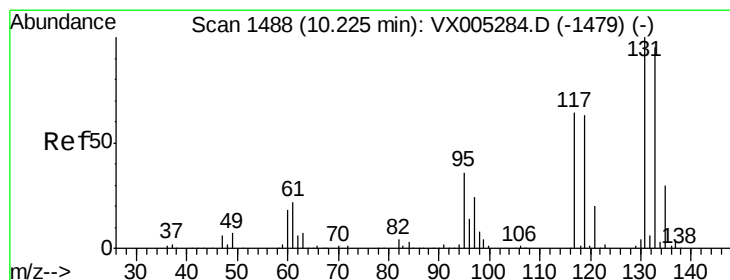
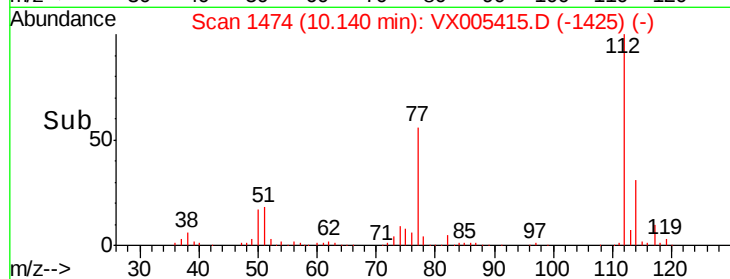
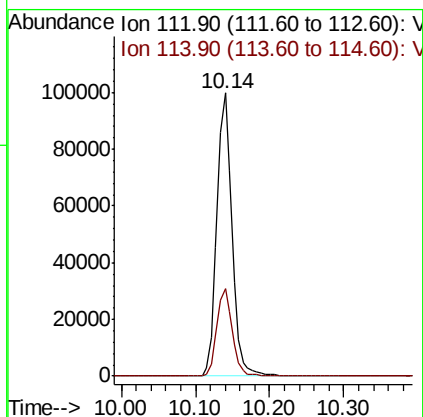
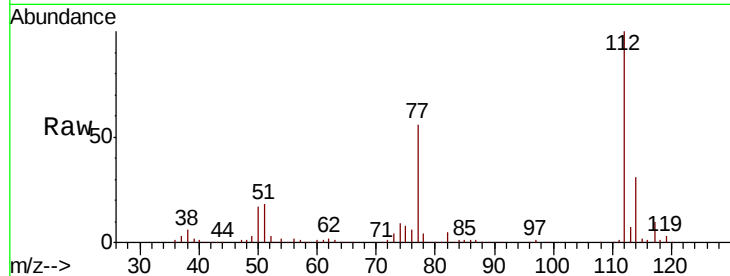




#65
Chlorobenzene
Concen: 19.264 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

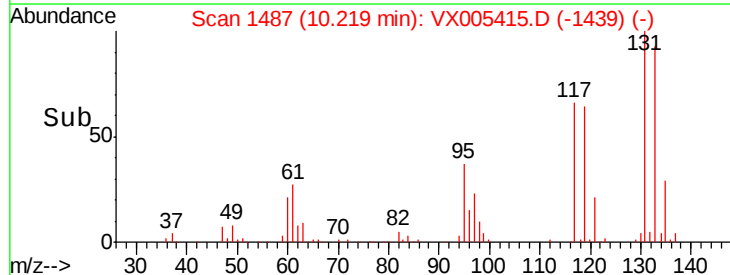
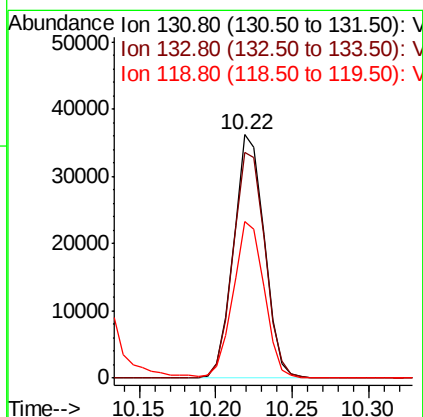
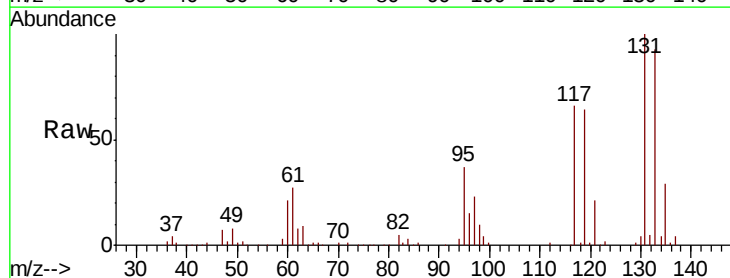
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

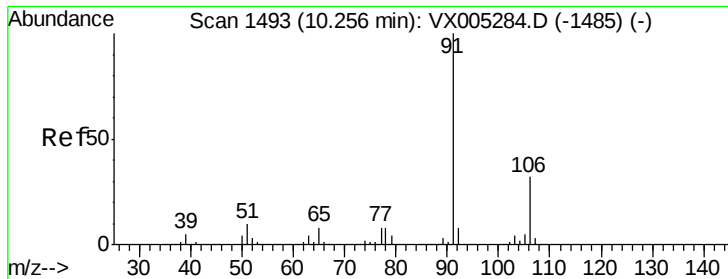
Tot Ion:112 Resp: 139904
Ion Ratio Lower Upper
112 100
114 30.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.490 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion:131 Resp: 50441
Ion Ratio Lower Upper
131 100
133 96.4 48.1 144.4
119 65.2 32.9 98.6





#67

Ethyl Benzene

Concen: 19.480 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

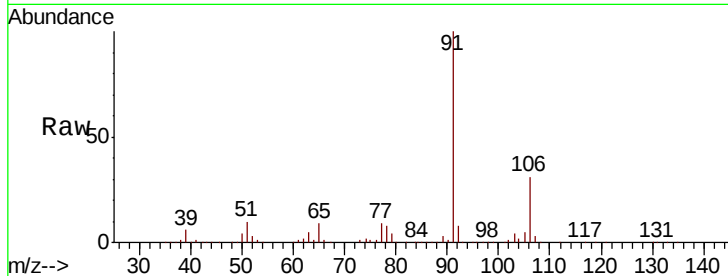
VX1017WBSD02

Tot Ion: 91 Resp: 229984

Ion Ratio Lower Upper

91 100

106 30.5 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005284.D (-1485) (-)

300000

250000

200000

150000

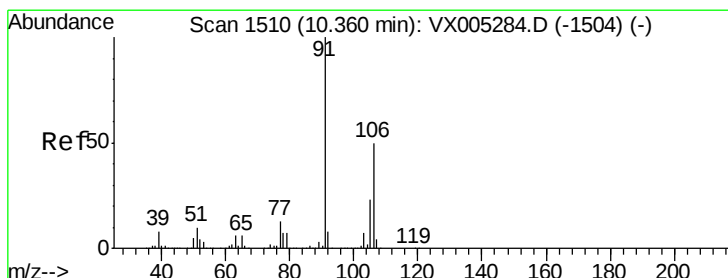
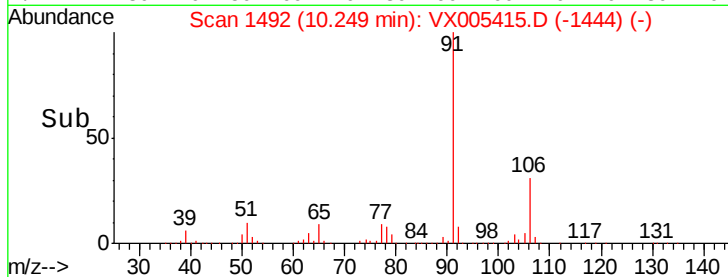
100000

50000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 39.237 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005415.D

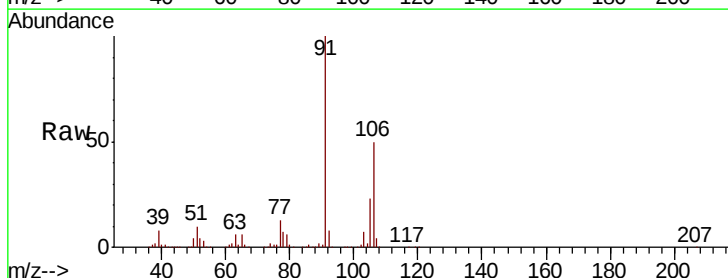
Acq: 18 Oct 2018 02:53

Tgt Ion: 106 Resp: 179802

Ion Ratio Lower Upper

106 100

91 202.7 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1504) (-)

300000

250000

200000

150000

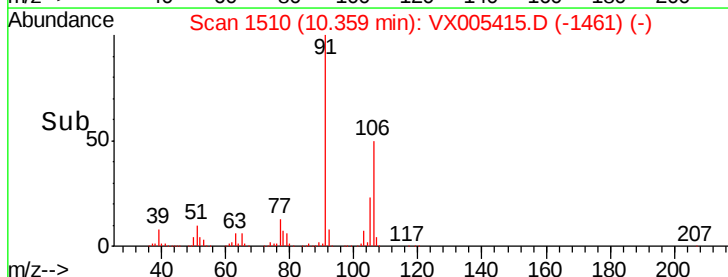
100000

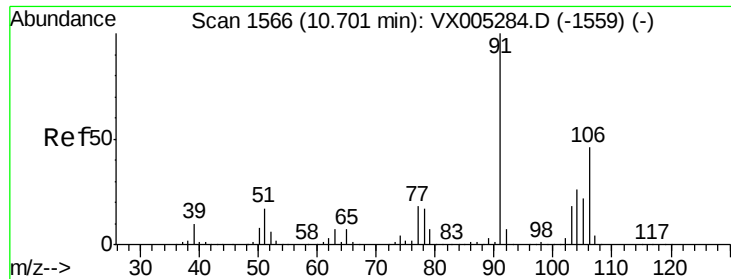
50000

0

10.30 10.36 10.40 10.50

Time-->

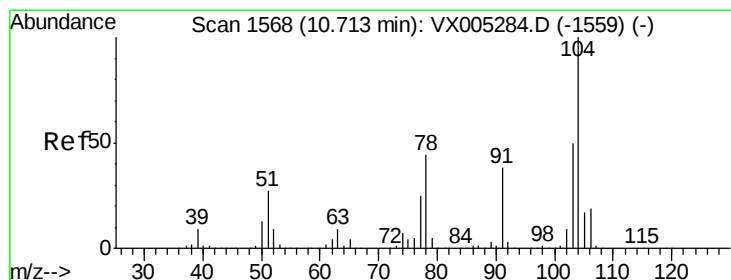
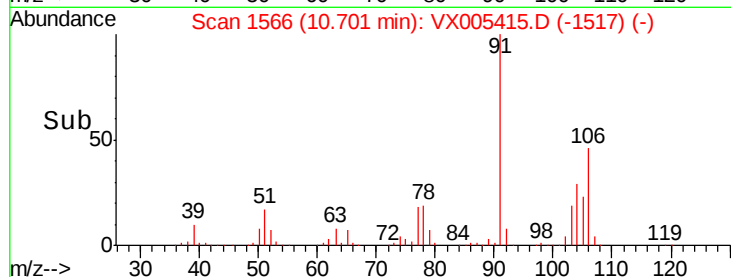
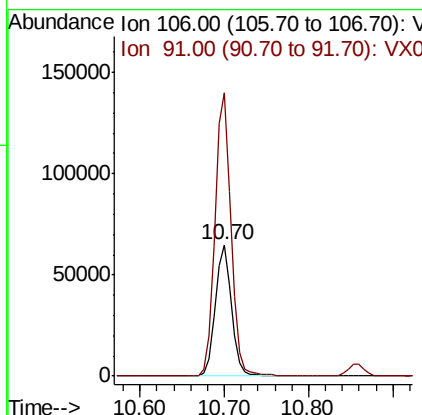
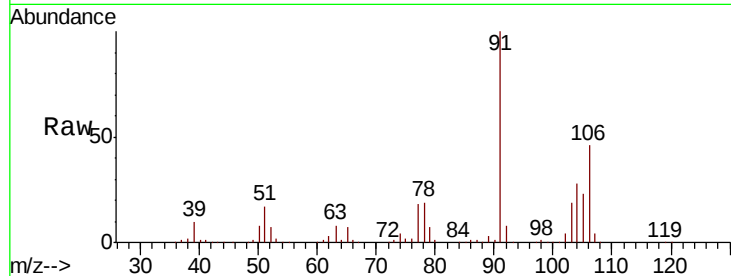




#69
o-Xylene
Concen: 19.654 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

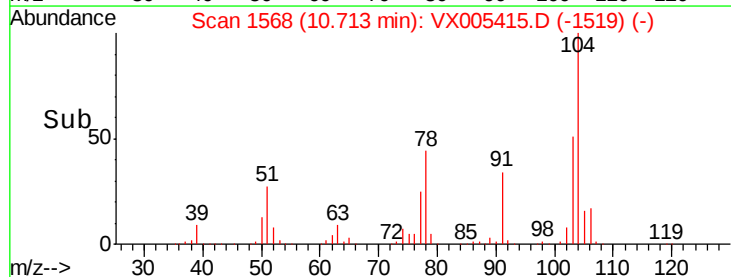
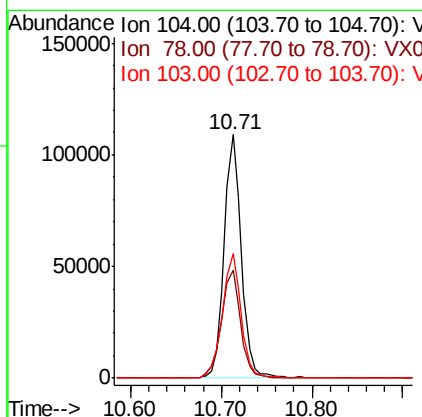
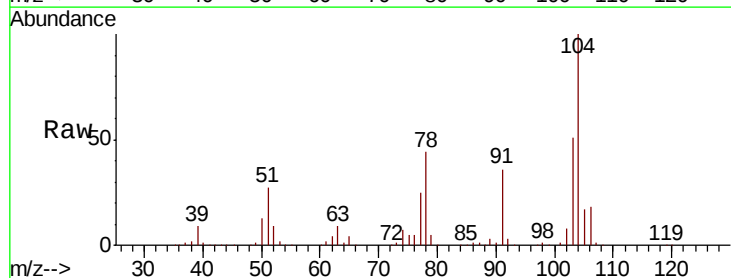
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion:106 Resp: 86861
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1



#70
Styrene
Concen: 19.867 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion:104 Resp: 144416
Ion Ratio Lower Upper
104 100
78 49.8 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 18.724 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

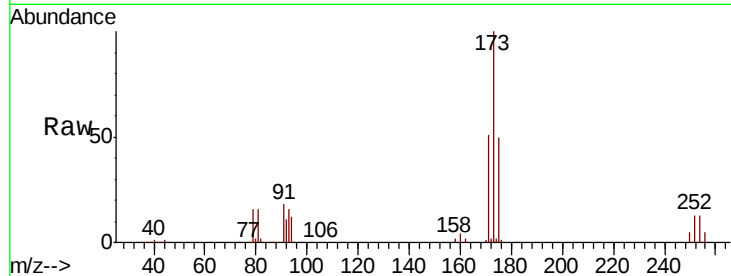
Tot Ion:173 Resp: 43303

Ion Ratio Lower Upper

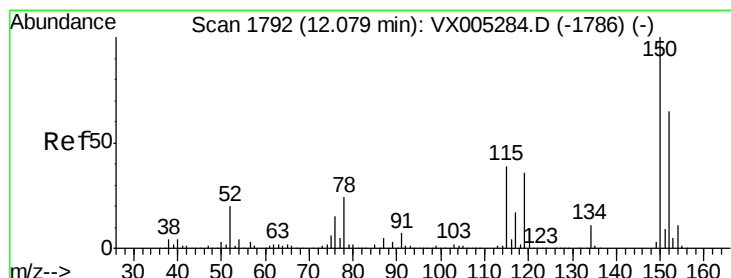
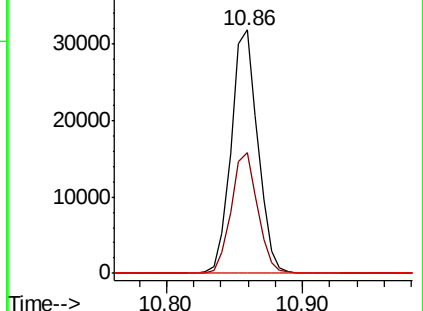
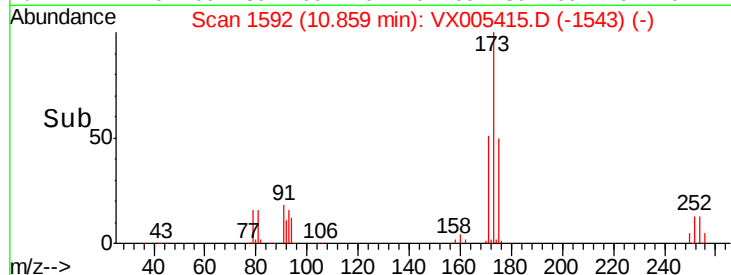
173 100

175 49.2 24.1 72.3

254 0.2 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

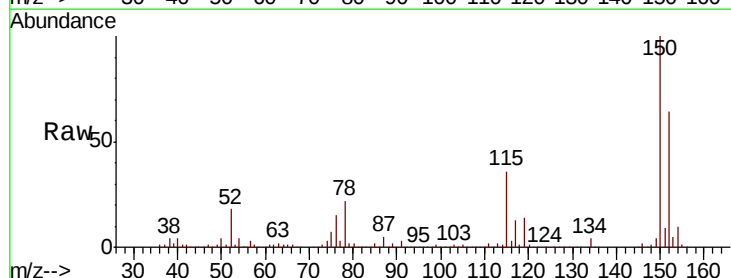
Tgt Ion:152 Resp: 190155

Ion Ratio Lower Upper

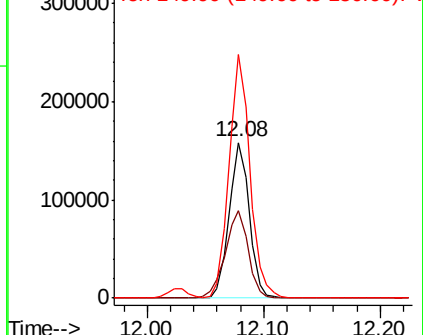
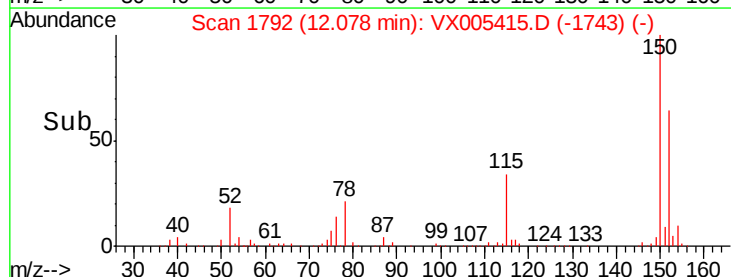
152 100

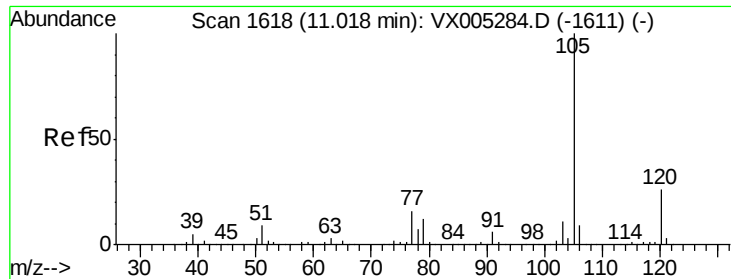
115 63.4 39.0 117.0

150 163.0 0.0 351.0



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





#73

Isopropylbenzene

Concen: 20.974 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

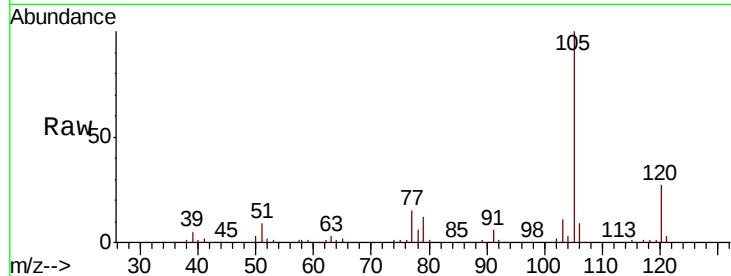
VX1017WBSD02

Tot Ion:105 Resp: 237096

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

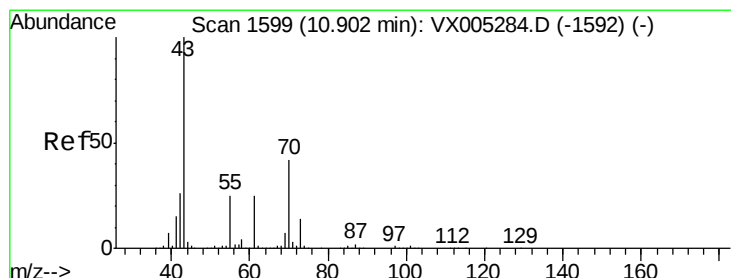
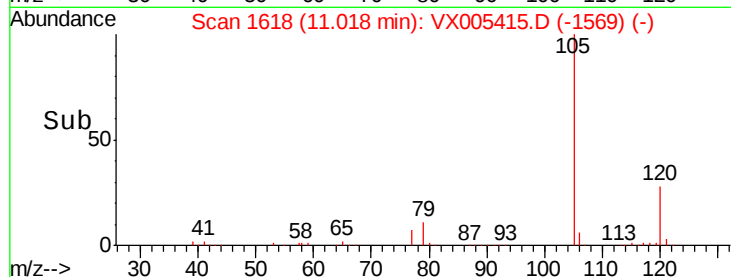
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.821 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Tgt Ion: 43 Resp: 108066

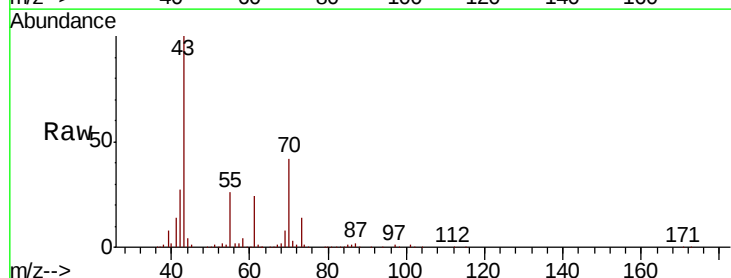
Ion Ratio Lower Upper

43 100

70 41.5 37.4 56.0

55 26.2 21.8 32.8

61 23.6 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

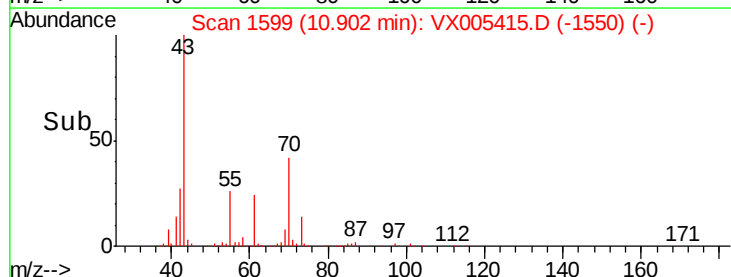
50000

0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.515 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

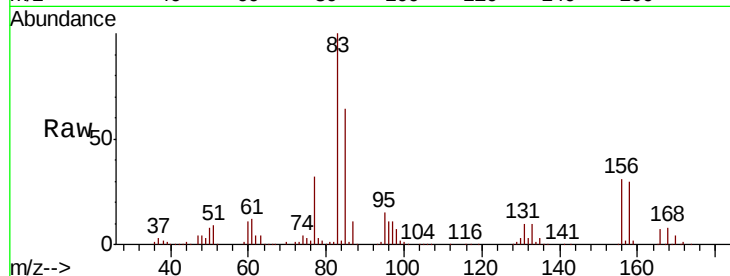
Tot Ion: 83 Resp: 83216

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

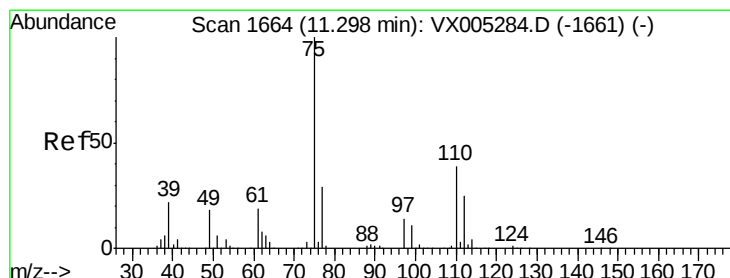
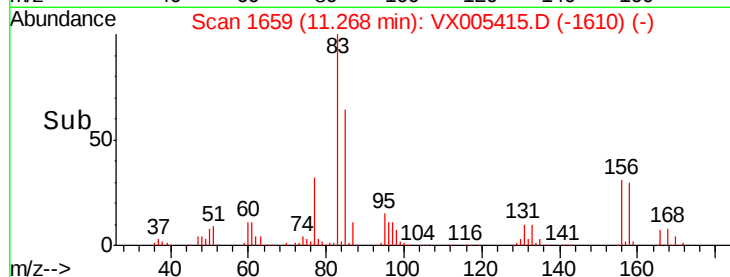
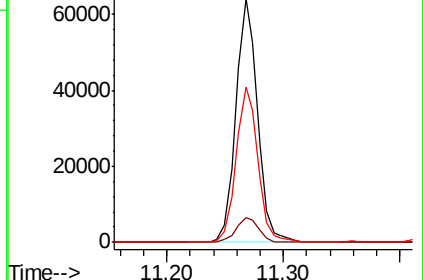
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.241 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005415.D

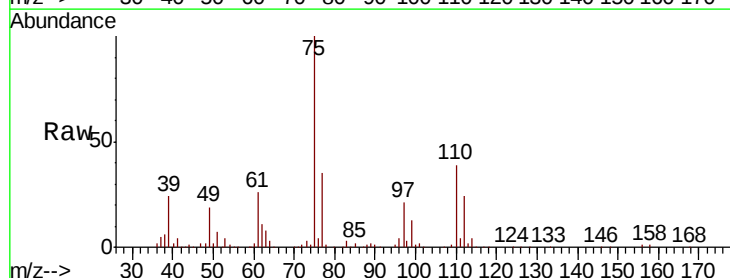
Acq: 18 Oct 2018 02:53

Tgt Ion: 75 Resp: 93102

Ion Ratio Lower Upper

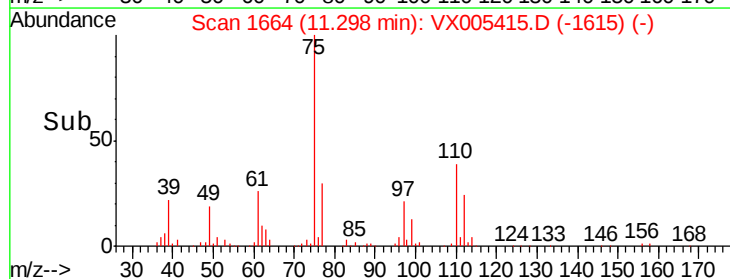
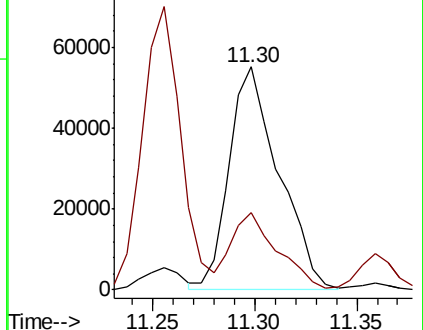
75 100

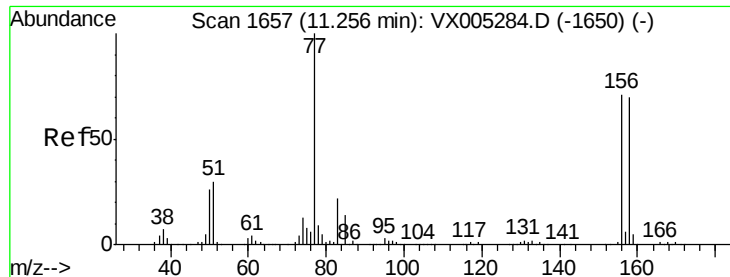
77 32.3 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.111 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

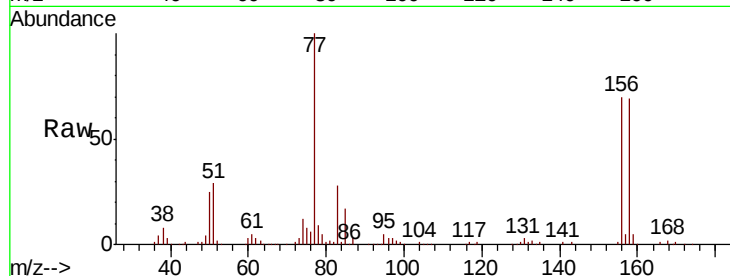
Tot Ion:156 Resp: 65002

Ion Ratio Lower Upper

156 100

77 141.0 71.5 214.3

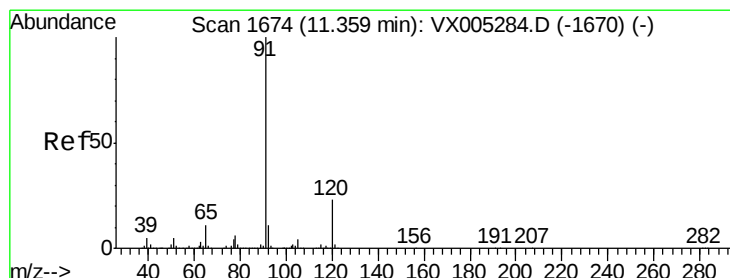
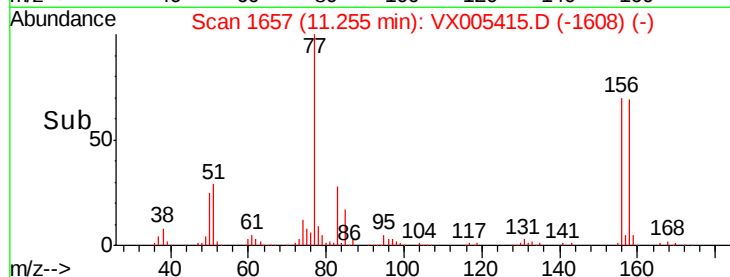
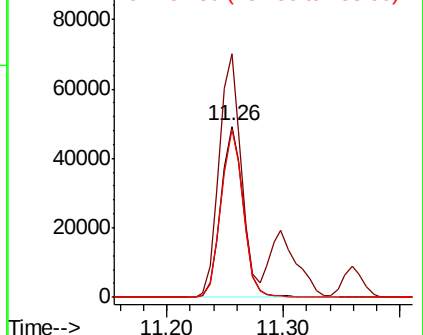
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.811 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005415.D

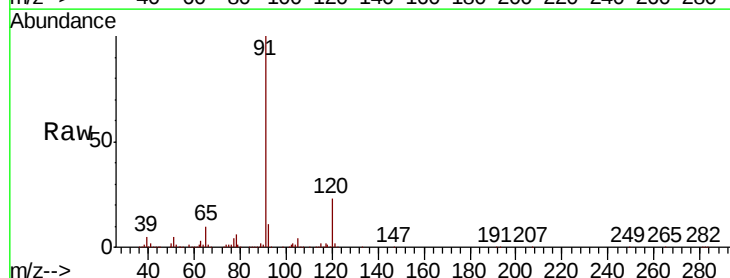
Acq: 18 Oct 2018 02:53

Tgt Ion: 91 Resp: 270711

Ion Ratio Lower Upper

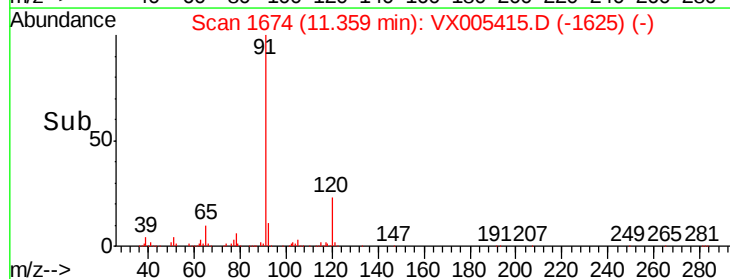
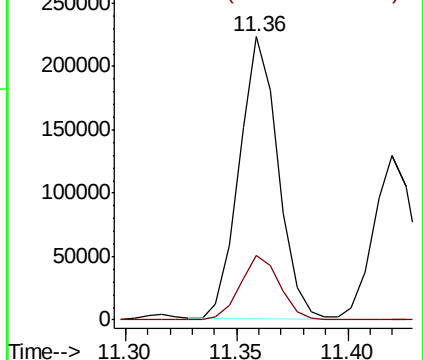
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

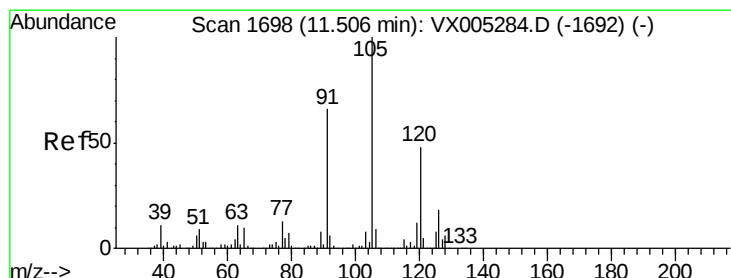
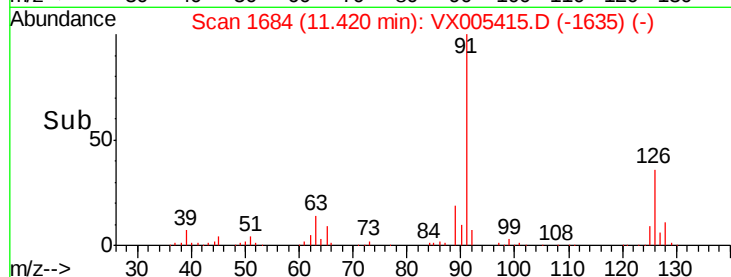
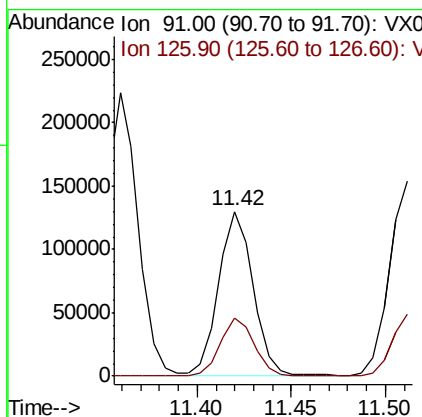
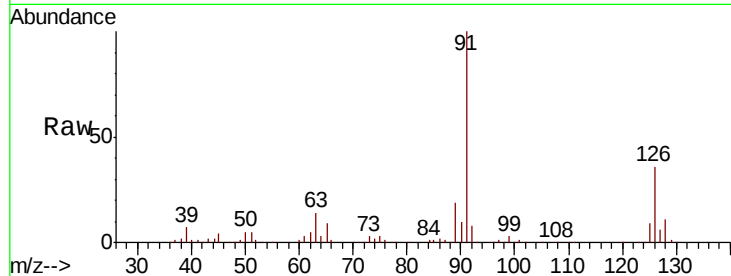




#79
2-Chlorotoluene
Concen: 20.483 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

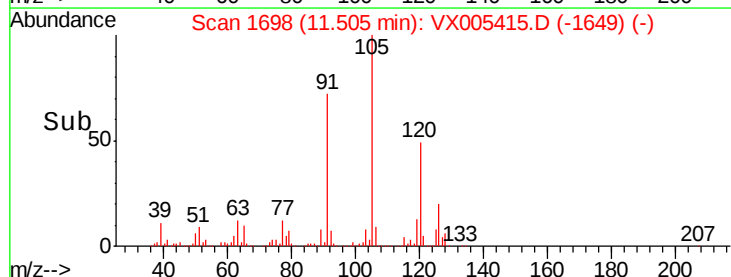
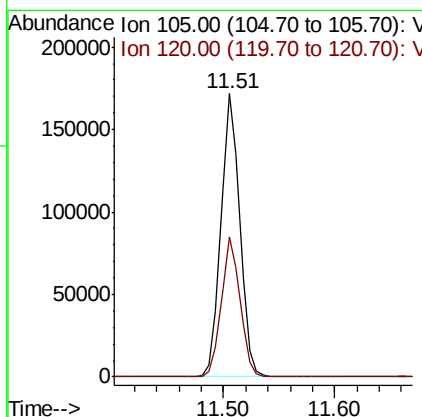
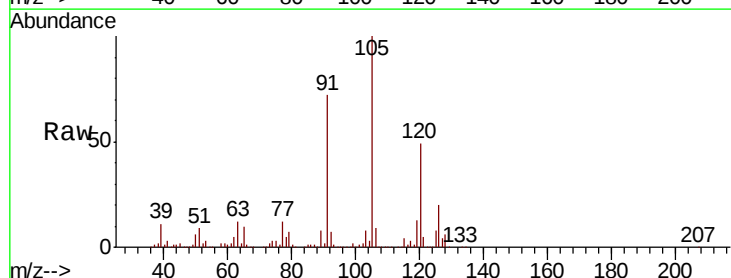
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

Tot Ion: 91 Resp: 163179
Ion Ratio Lower Upper
91 100
126 35.4 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 20.793 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 105 Resp: 201276
Ion Ratio Lower Upper
105 100
120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.300 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

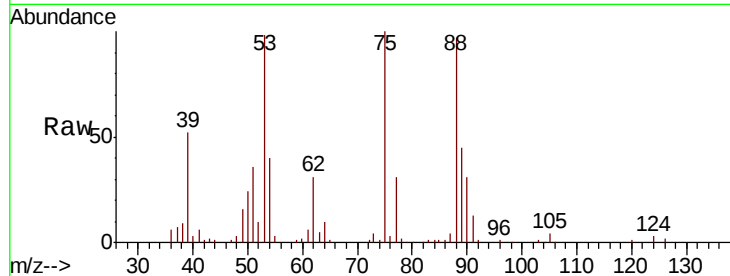
Tot Ion: 75 Resp: 21001

Ion Ratio Lower Upper

75 100

53 98.1 80.1 120.1

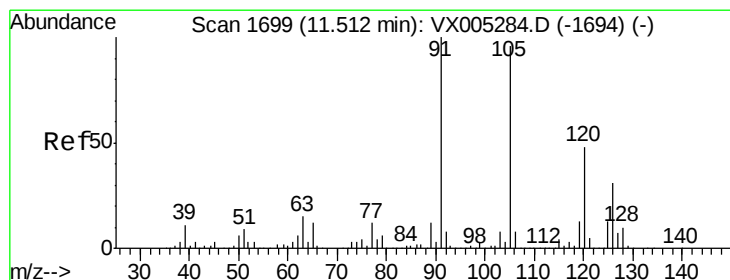
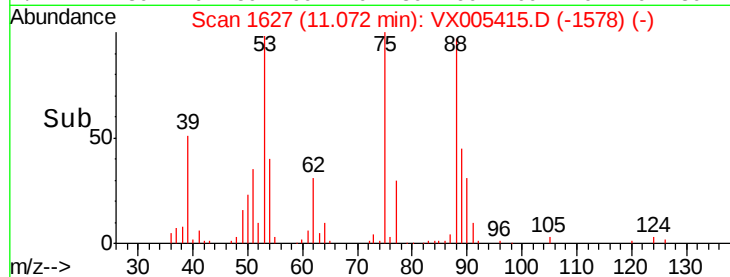
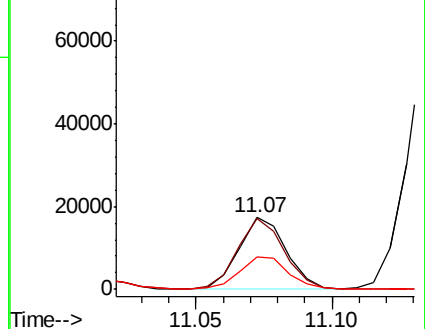
89 47.9 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.427 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005415.D

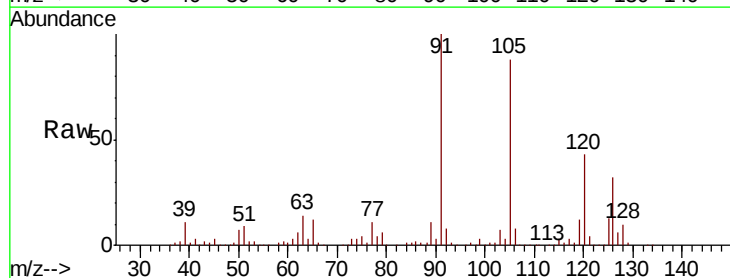
Acq: 18 Oct 2018 02:53

Tgt Ion: 91 Resp: 192909

Ion Ratio Lower Upper

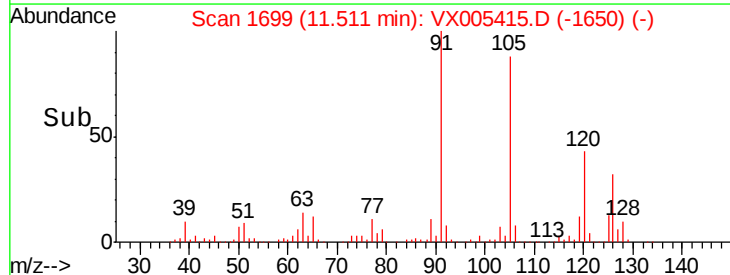
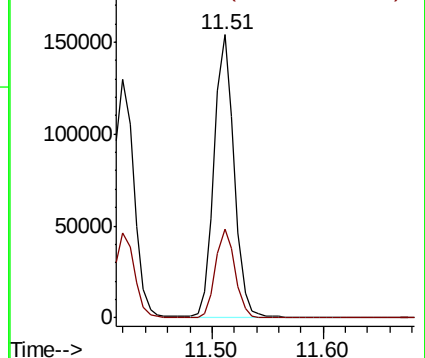
91 100

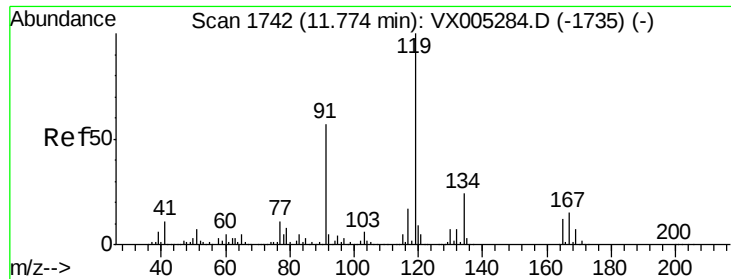
126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

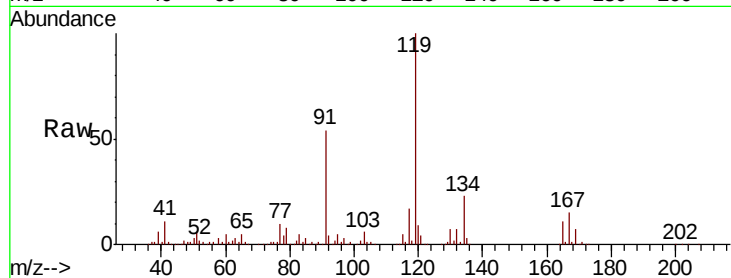




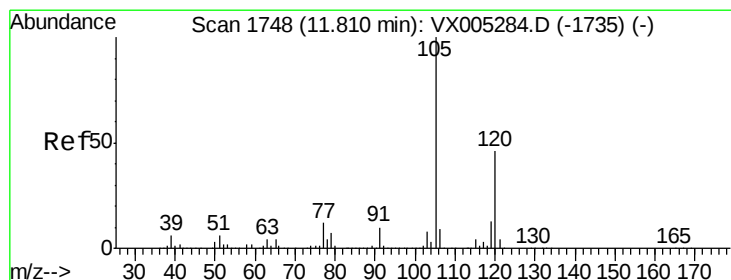
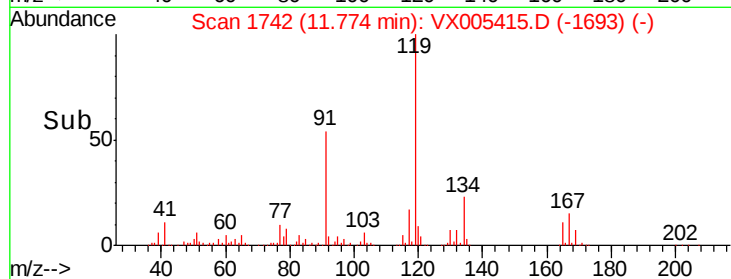
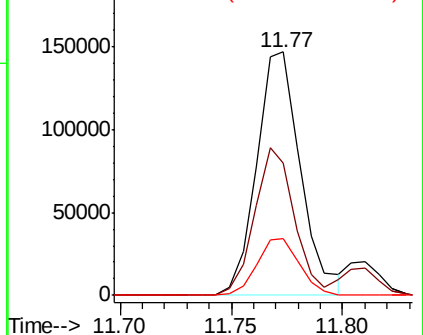
#83
 tert-Butylbenzene
 Concen: 20.540 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

Tot Ion:119 Resp: 201349
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.0 81.0
 134 22.8 11.7 35.1

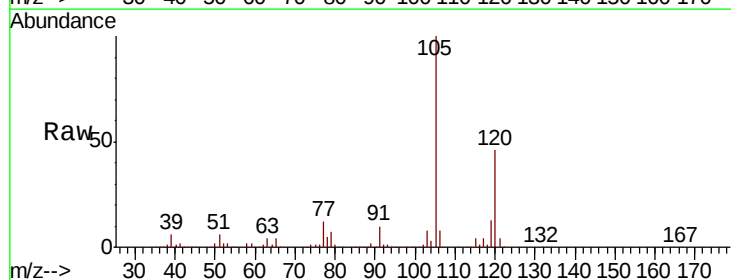


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

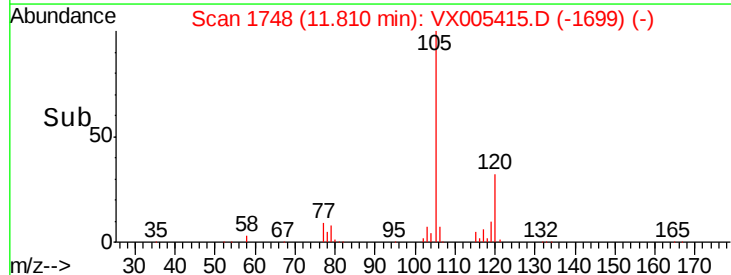
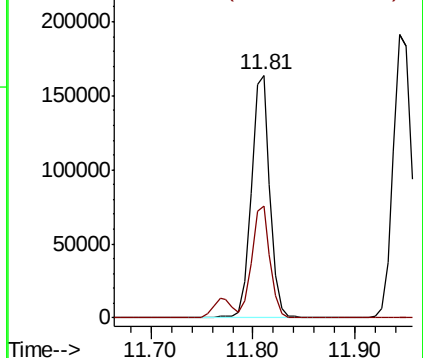


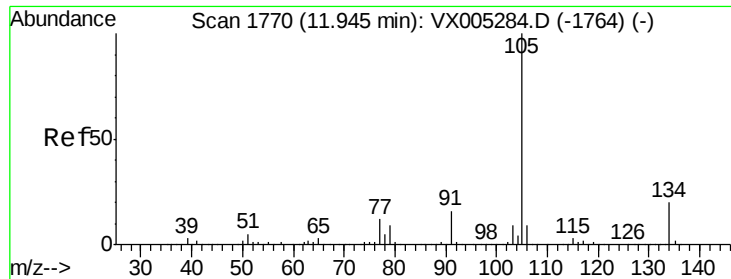
#84
 1,2,4-Trimethylbenzene
 Concen: 20.857 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion:105 Resp: 207776
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.6



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





#85

sec-Butylbenzene

Concen: 20.920 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

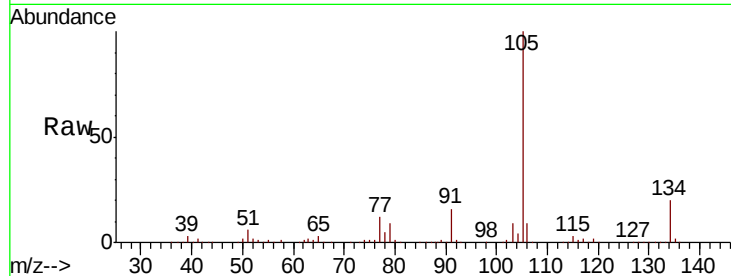
VX1017WBSD02

Tot Ion:105 Resp: 242682

Ion Ratio Lower Upper

105 100

134 20.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

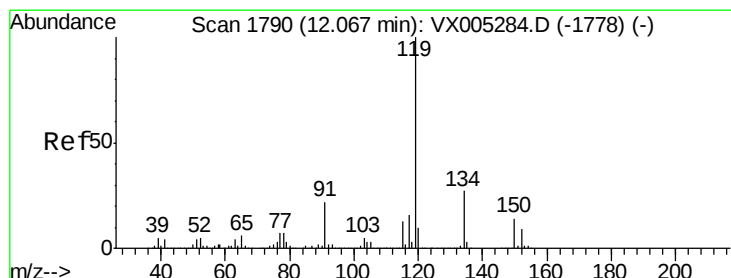
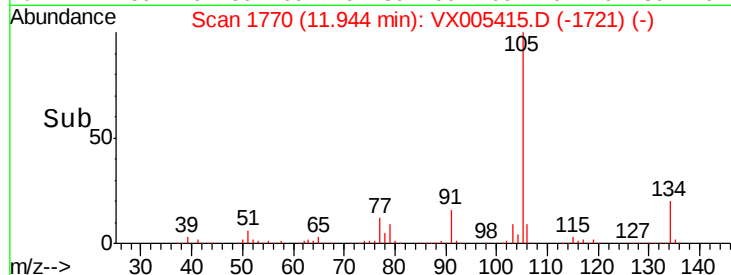
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.722 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

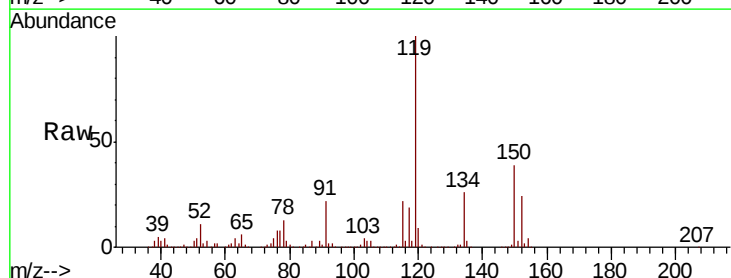
Tgt Ion:119 Resp: 217270

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.8 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

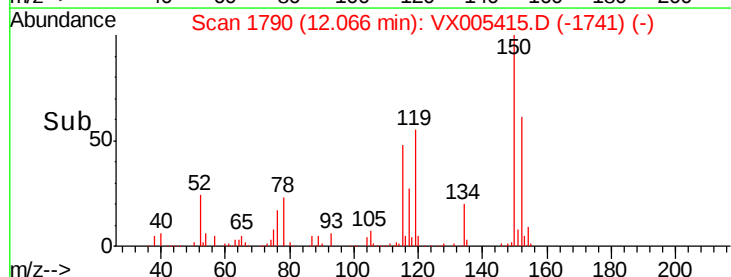
150000

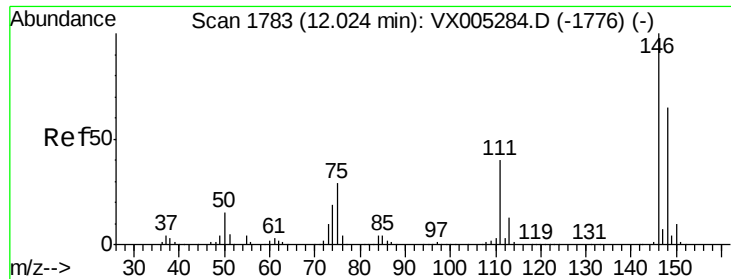
100000

50000

0

Time-->

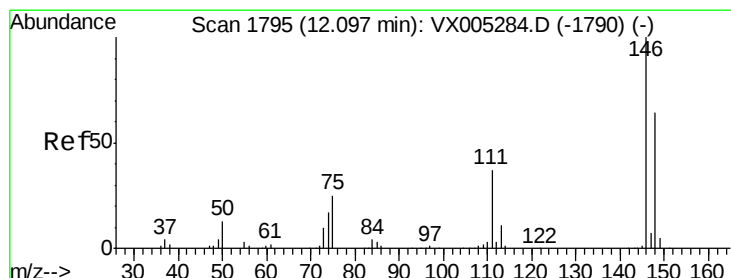
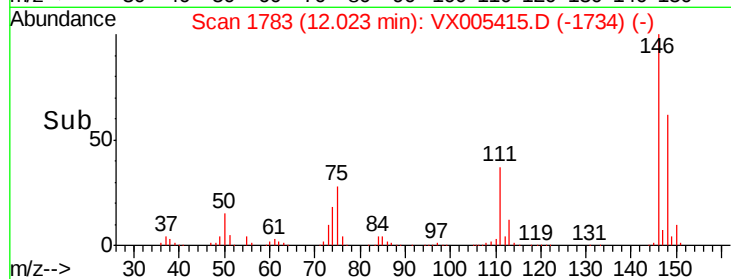
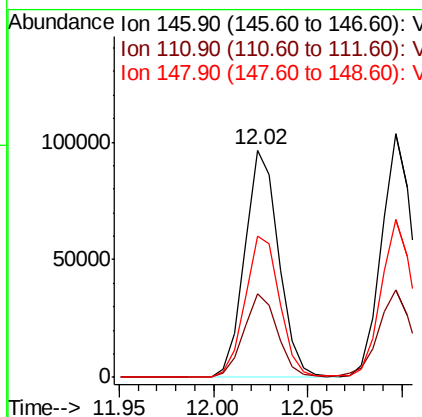
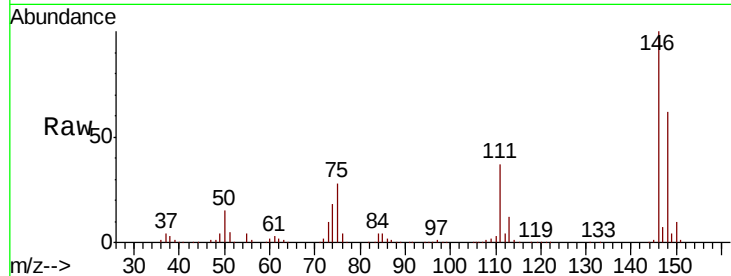




#87
 1,3-Dichlorobenzene
 Concen: 20.002 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

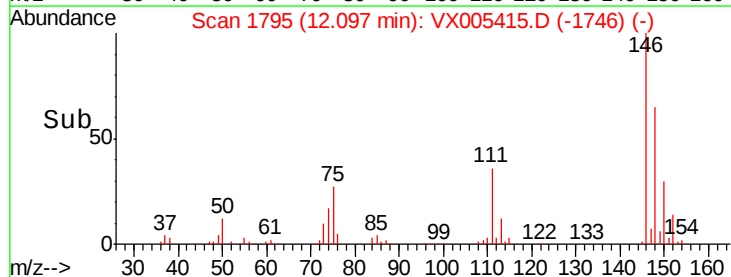
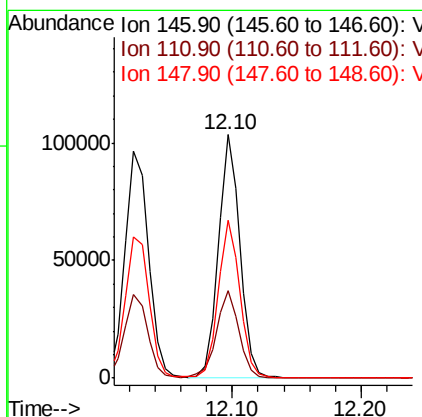
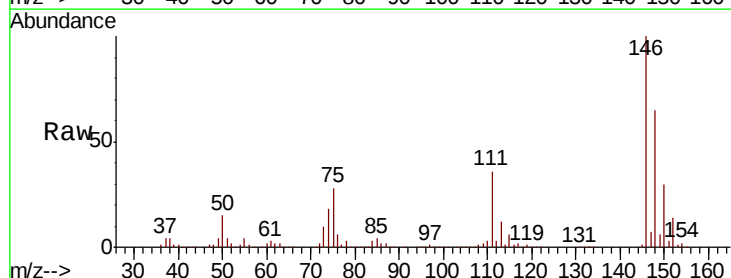
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

Tot Ion:146 Resp: 120807
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.7 56.1
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.810 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion:146 Resp: 122397
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 65.4 32.0 96.0

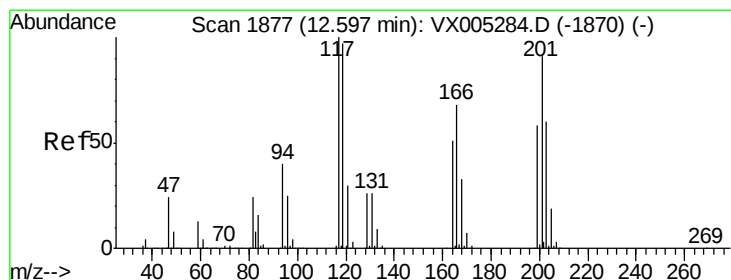
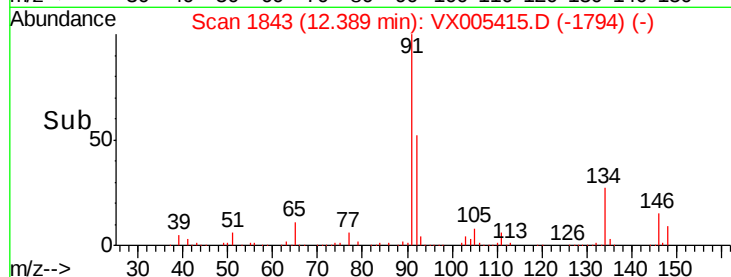
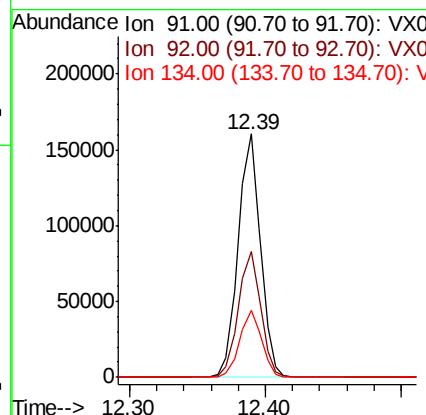
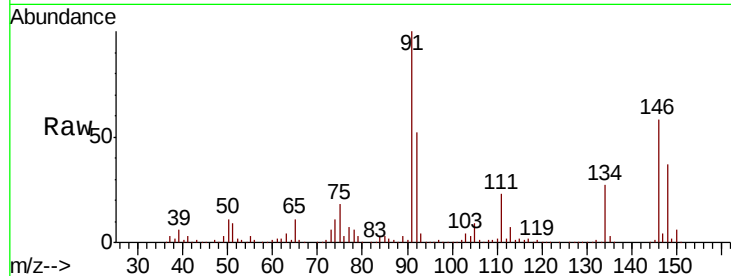




#89
n-Butylbenzene
Concen: 19.279 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

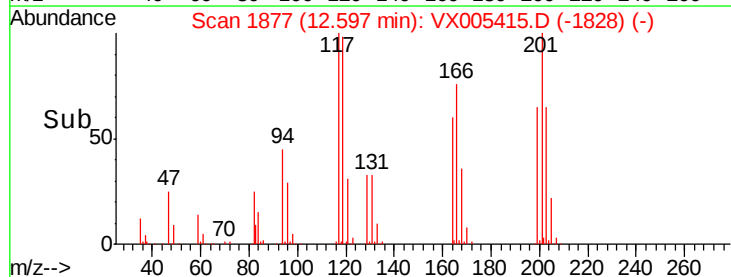
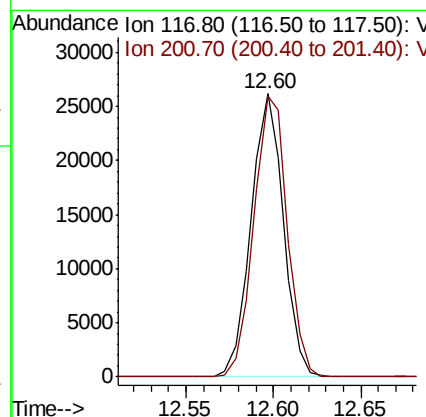
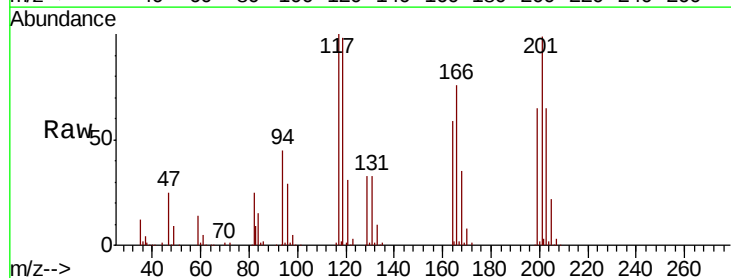
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD02

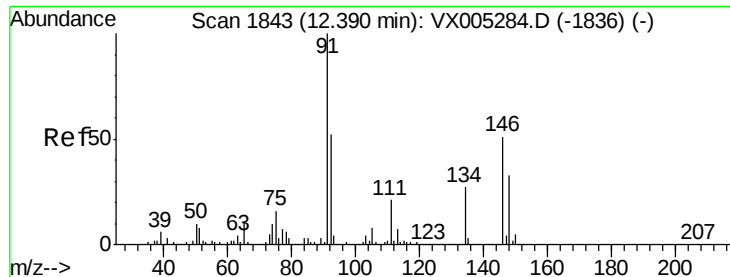
Tot Ion: 91 Resp: 183537
Ion Ratio Lower Upper
91 100
92 52.0 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 18.556 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005415.D
Acq: 18 Oct 2018 02:53

Tgt Ion: 117 Resp: 33532
Ion Ratio Lower Upper
117 100
201 102.3 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.633 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

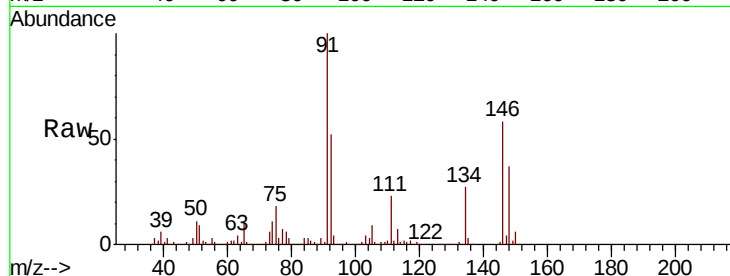
Tot Ion:146 Resp: 121003

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.1

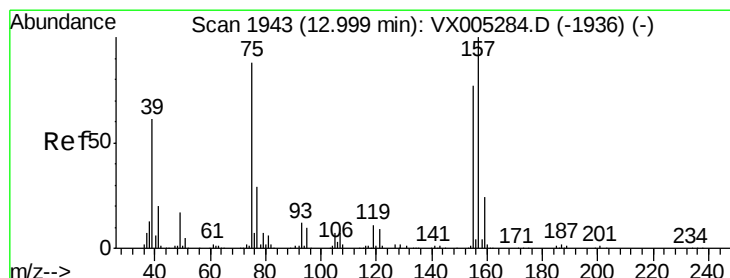
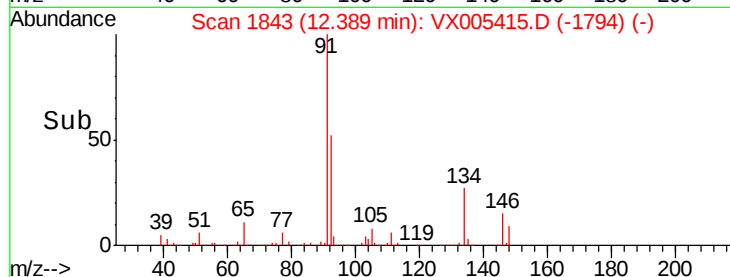
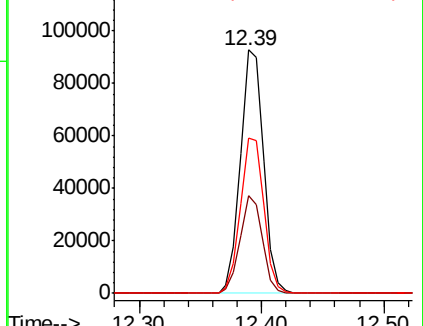
148 64.6 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.718 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

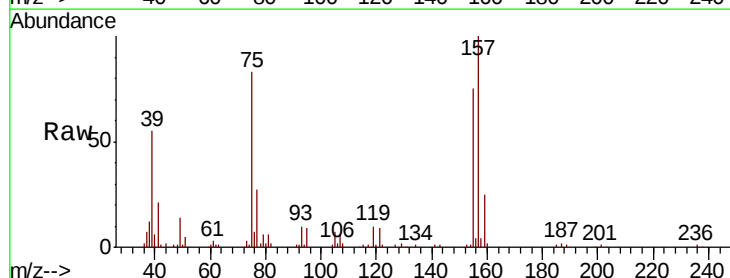
Tgt Ion: 75 Resp: 19470

Ion Ratio Lower Upper

75 100

155 94.6 48.0 144.2

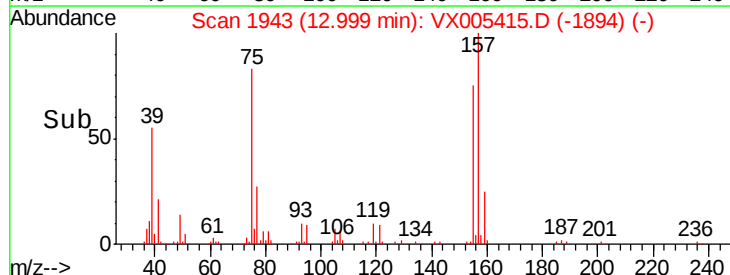
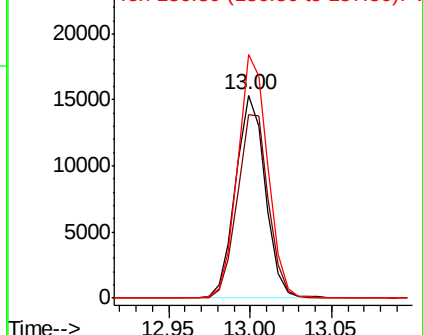
157 121.0 61.4 184.1

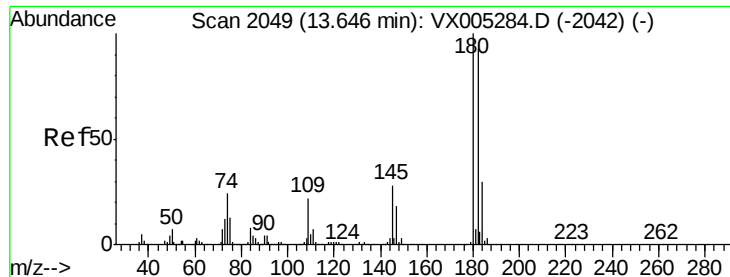


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

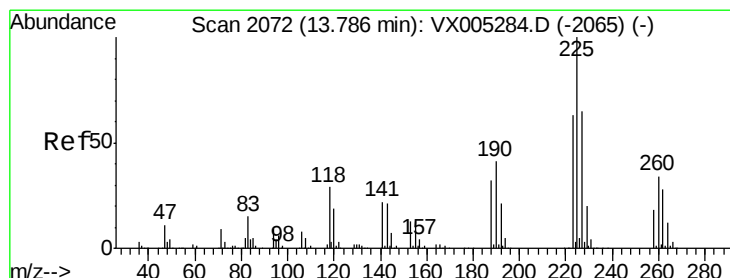
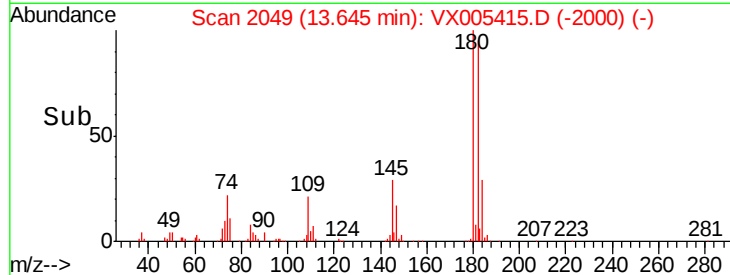
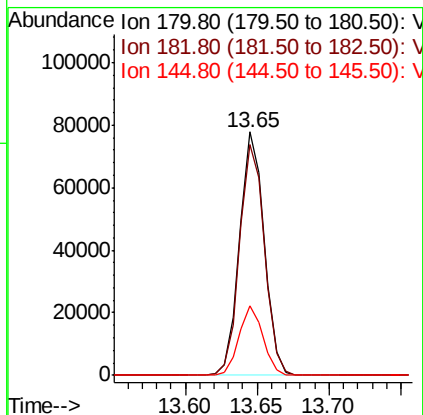
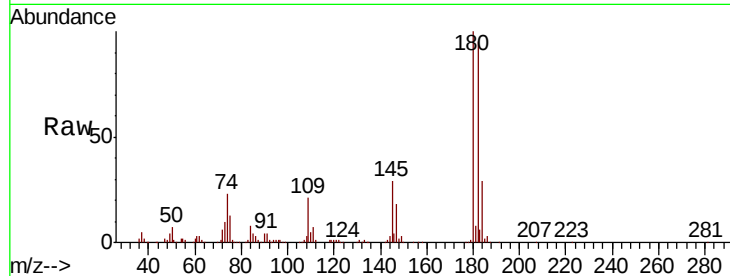




#93
 1,2,4-Trichlorobenzene
 Concen: 20.465 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

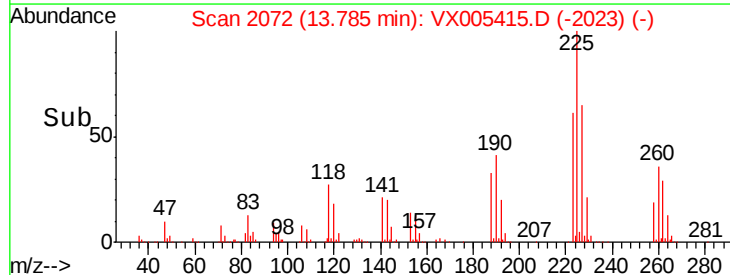
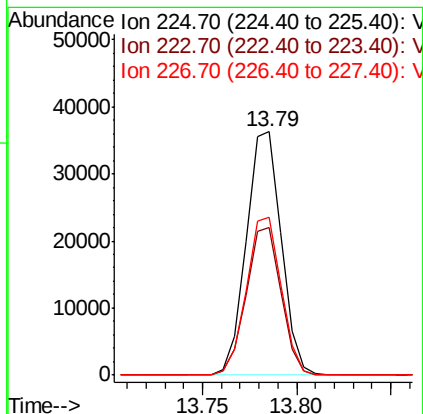
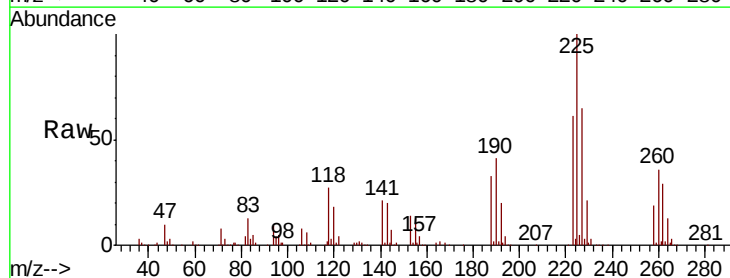
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD02

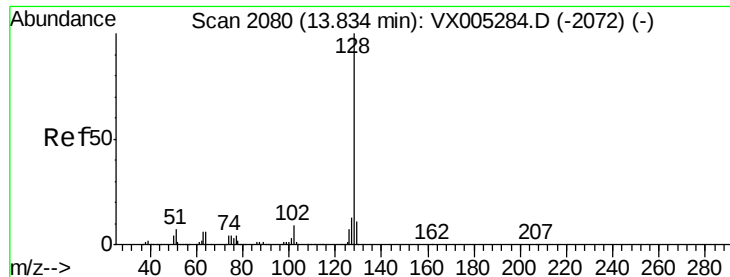
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.4	145.0
145	28.0	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 19.570 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005415.D
 Acq: 18 Oct 2018 02:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	30.1	90.5
227	64.6	30.8	92.4





#95

Naphthalene

Concen: 20.932 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBSD02

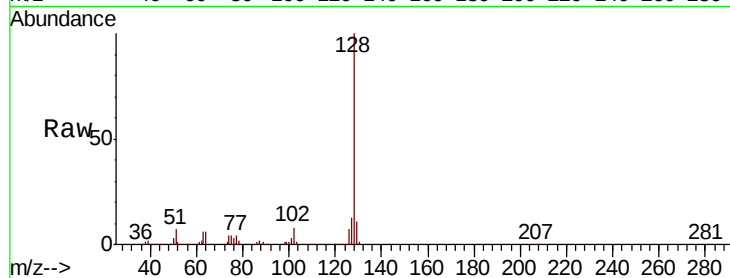
Tot Ion:128 Resp: 274501

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

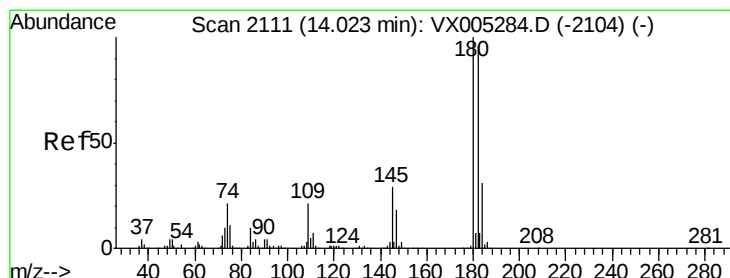
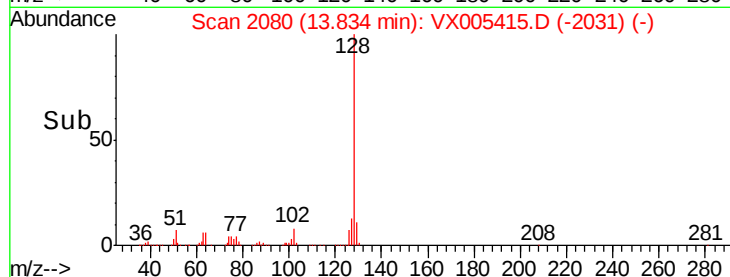
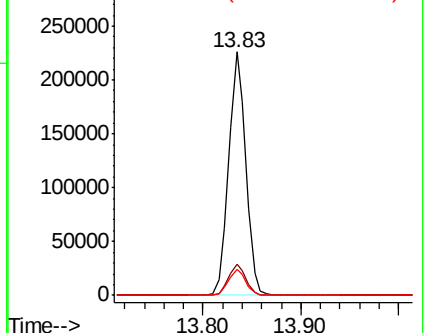
129 10.8 8.6 12.8



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: 20.747 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005415.D

Acq: 18 Oct 2018 02:53

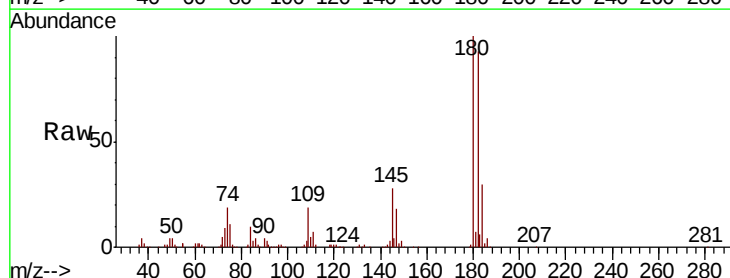
Tgt Ion:180 Resp: 95991

Ion Ratio Lower Upper

180 100

182 93.9 48.5 145.6

145 29.3 14.9 44.9



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

