

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005428.D
 Acq On : 18 Oct 2018 14:23
 Operator : JC/MD
 Sample : VX1018WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Quant Time: Oct 19 03:32:29 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	5.65	168	301136	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	433166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214891	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	166343	49.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.50	113	139300	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	8.71	98	513765	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	188919	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	43611	18.522	ug/l	96
3) Chloromethane	1.32	50	60522	17.740	ug/l	99
4) Vinyl Chloride	1.40	62	64005	18.520	ug/l	99
5) Bromomethane	1.64	94	36972	19.304	ug/l	98
6) Chloroethane	1.72	64	40967	19.089	ug/l	95
7) Trichlorofluoromethane	1.93	101	88295	19.145	ug/l	97
8) Diethyl Ether	2.18	74	42587	21.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52827	19.845	ug/l	97
10) Methyl Iodide	2.51	142	57122	21.085	ug/l	100
11) Tert butyl alcohol	3.07	59	93463	99.137	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51301	19.451	ug/l	98
13) Acrolein	2.29	56	38996	63.204	ug/l	97
14) Allyl chloride	2.73	41	113721	19.639	ug/l	94
15) Acrylonitrile	3.15	53	209465	98.047	ug/l	96
16) Acetone	2.45	43	189159	97.889	ug/l	98
17) Carbon Disulfide	2.57	76	139622	17.475	ug/l	99
18) Methyl Acetate	2.78	43	117581	21.388	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	199672	21.496	ug/l	96
20) Methylene Chloride	2.85	84	61825	21.204	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	55443	18.969	ug/l	89
22) Diisopropyl ether	3.87	45	204822	21.059	ug/l	92
23) Vinyl Acetate	3.82	43	867350	102.031	ug/l	97
24) 1,1-Dichloroethane	3.70	63	115377	20.699	ug/l	97
25) 2-Butanone	4.70	43	282295	99.846	ug/l	94
26) 2,2-Dichloropropane	4.59	77	80071	19.207	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	64319	20.248	ug/l	99
28) Bromochloromethane	5.03	49	54701	21.527	ug/l	93
29) Tetrahydrofuran	5.15	42	185341	102.769	ug/l	95
30) Chloroform	5.21	83	102602	19.831	ug/l	99
31) Cyclohexane	5.57	56	91984	20.022	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	88660	19.694	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75601	18.021	ug/l	99
37) Ethyl Acetate	4.85	43	101169	18.752	ug/l	99
38) Carbon Tetrachloride	5.78	117	75928	18.013	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86732	19.102	ug/l #	88
40) Benzene	6.15	78	238362	18.941	ug/l	99
41) Methacrylonitrile	5.06	41	57091	19.739	ug/l	99
42) 1,2-Dichloroethane	6.20	62	81168	18.266	ug/l	98
43) Isopropyl Acetate	6.46	43	147166	20.477	ug/l	98
44) Trichloroethene	7.21	130	62515	19.070	ug/l	96
45) 1,2-Dichloropropane	7.52	63	59643	19.321	ug/l	98
46) Dibromomethane	7.66	93	38025	18.663	ug/l	97
47) Bromodichloromethane	7.90	83	72423	19.217	ug/l	97
48) Methyl methacrylate	7.77	41	72751	19.518	ug/l	96
49) 1,4-Dioxane	7.75	88	32513	378.179	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	504575	101.397	ug/l	95
52) Toluene	8.79	92	141175	20.505	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	79971	19.608	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	88603	20.049	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	58838	20.176	ug/l	97
56) Ethyl methacrylate	9.18	69	90694	21.334	ug/l	96
57) 1,3-Dichloropropane	9.37	76	98797	20.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	252927	106.087	ug/l	95
59) 2-Hexanone	9.49	43	393683	98.349	ug/l	95
60) Dibromochloromethane	9.59	129	58562	19.428	ug/l	100
61) 1,2-Dibromoethane	9.67	107	61556	20.113	ug/l	100
64) Tetrachloroethene	9.34	164	63229	19.843	ug/l	96
65) Chlorobenzene	10.14	112	160399	19.052	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	58177	19.391	ug/l	99
67) Ethyl Benzene	10.25	91	265164	19.374	ug/l	97
68) m/p-Xylenes	10.36	106	208834	39.311	ug/l	96
69) o-Xylene	10.70	106	100960	19.706	ug/l	97
70) Styrene	10.71	104	168337	19.976	ug/l	98
71) Bromoform	10.86	173	47670	17.780	ug/l #	99
73) Isopropylbenzene	11.02	105	278115	21.771	ug/l	100
74) N-amyl acetate	10.90	43	125901	20.434	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	94190	19.546	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108186	25.955	ug/l	88
77) Bromobenzene	11.26	156	74875	20.499	ug/l	99
78) n-propylbenzene	11.36	91	310642	21.132	ug/l	99
79) 2-Chlorotoluene	11.42	91	187251	20.799	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	230329	21.055	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	25963	18.926	ug/l	99
82) 4-Chlorotoluene	11.51	91	218284	20.453	ug/l	100
83) tert-Butylbenzene	11.77	119	232496	20.987	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	241436	21.446	ug/l	97
85) sec-Butylbenzene	11.94	105	281779	21.494	ug/l	98
86) p-Isopropyltoluene	12.07	119	251207	21.200	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	136777	20.040	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137006	19.622	ug/l	97
89) n-Butylbenzene	12.39	91	214761	19.962	ug/l	98
90) Hexachloroethane	12.60	117	37909	18.564	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	138136	19.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22213	18.897	ug/l	98

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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	104432	20.436	ug/l	100
94) Hexachlorobutadiene	13.79	225	51617	19.125	ug/l	97
95) Naphthalene	13.83	128	327296	22.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	109254	20.895	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

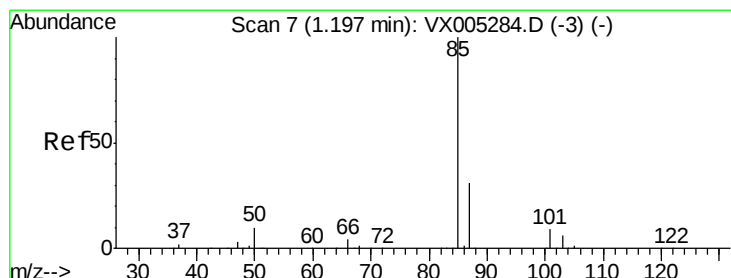
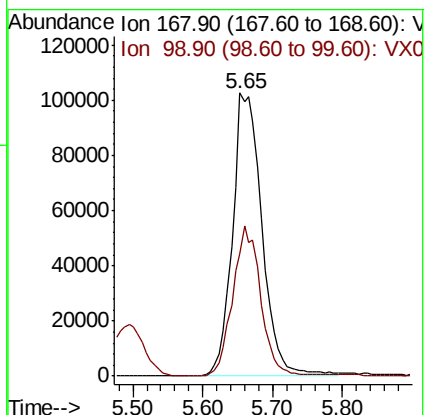
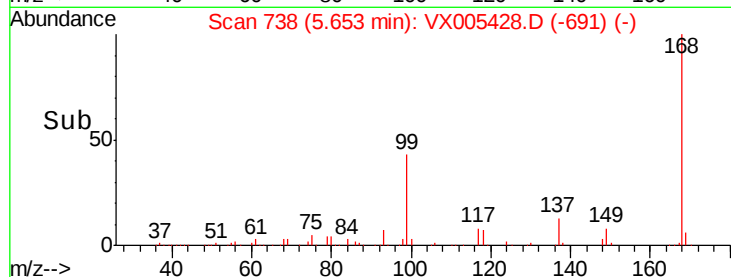
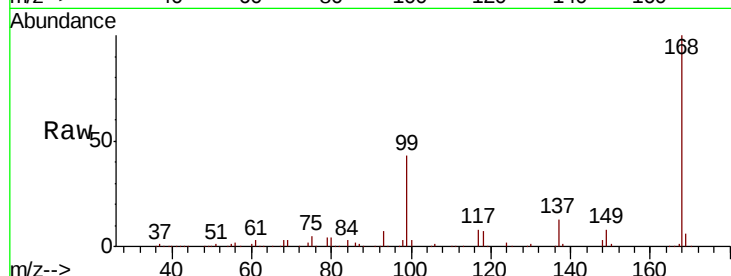
VX1018WBSD01

Tot Ion:168 Resp: 301136

Ion Ratio Lower Upper

168 100

99 43.0 39.9 59.9



#2

Dichlorodifluoromethane

Concen: 18.522 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005428.D

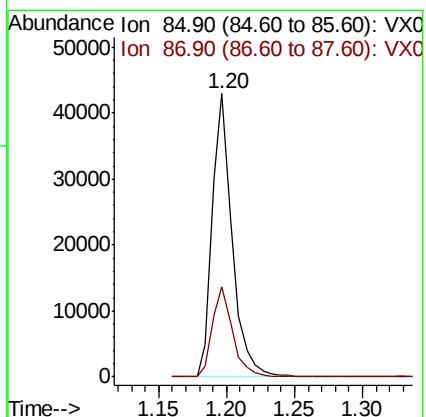
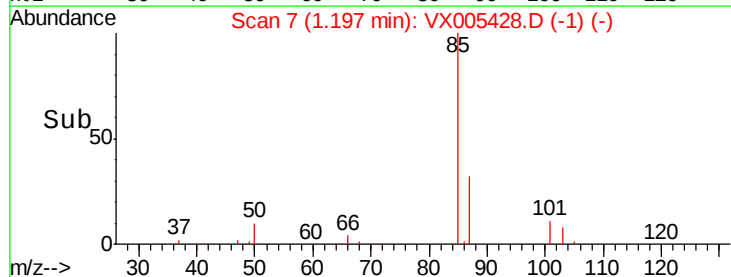
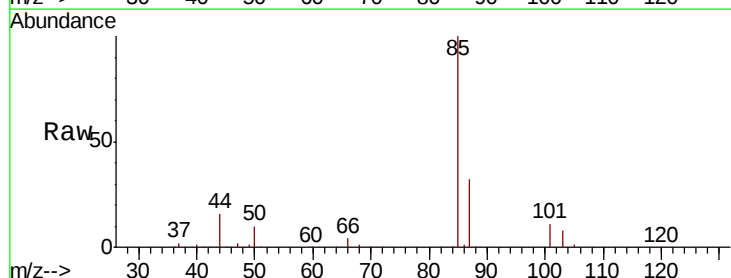
Acq: 18 Oct 2018 14:23

Tgt Ion: 85 Resp: 43611

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9





#3

Chloromethane

Concen: 17.740 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

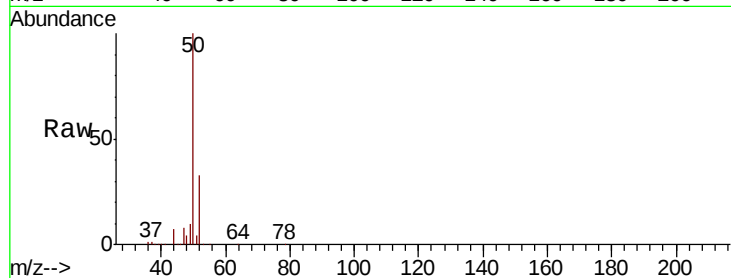
VX1018WBSD01

Tot Ion: 50 Resp: 60522

Ion Ratio Lower Upper

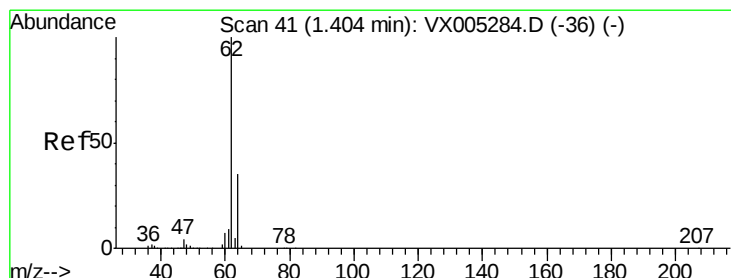
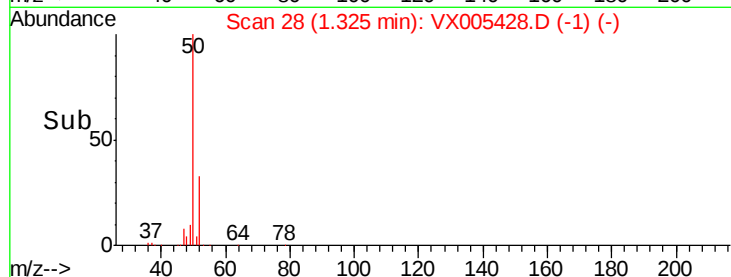
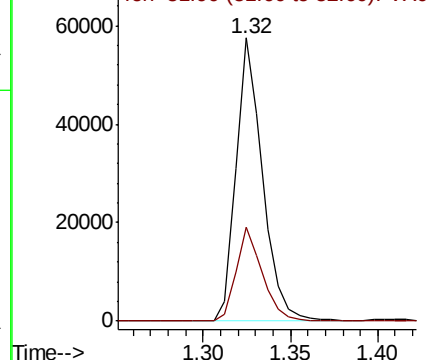
50 100

52 33.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.520 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005428.D

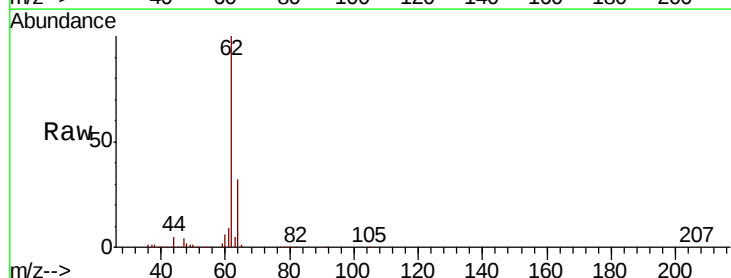
Acq: 18 Oct 2018 14:23

Tgt Ion: 62 Resp: 64005

Ion Ratio Lower Upper

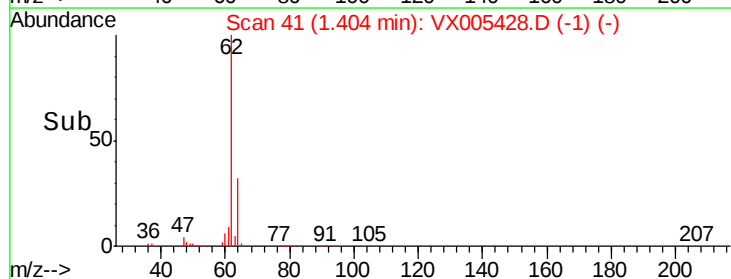
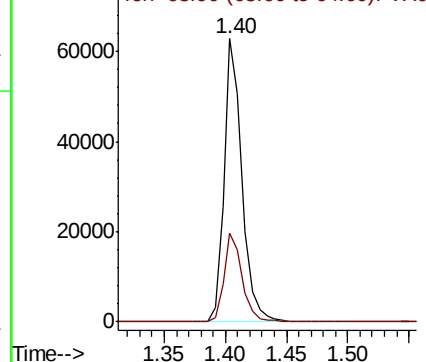
62 100

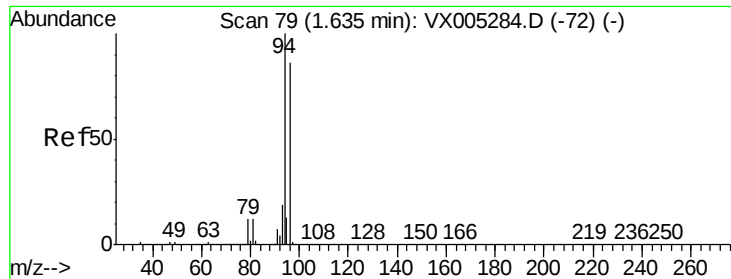
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

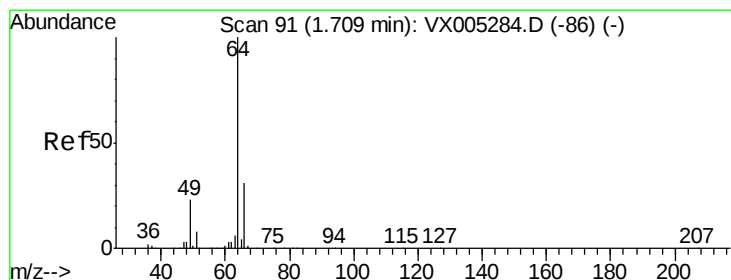
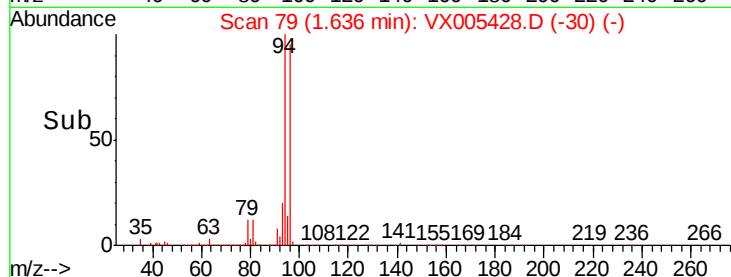
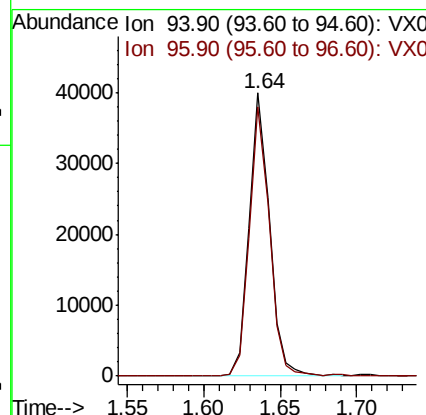
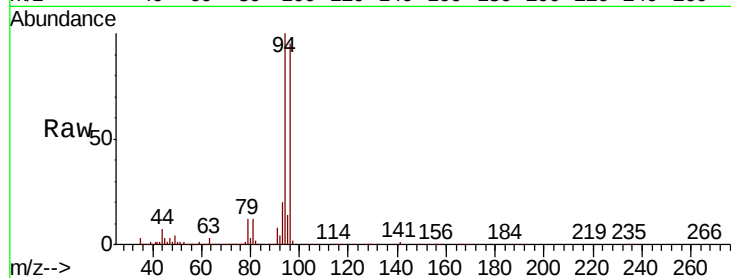




#5
Bromomethane
Concen: 19.304 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

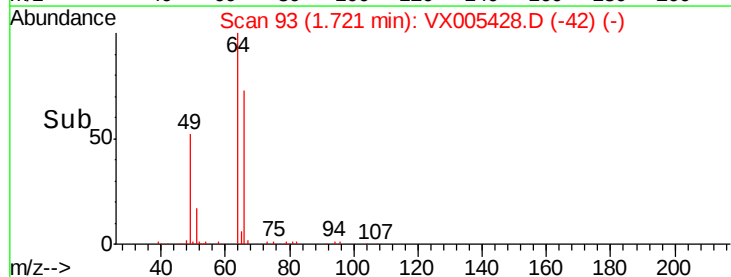
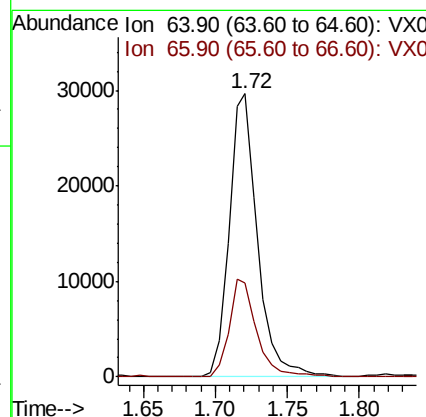
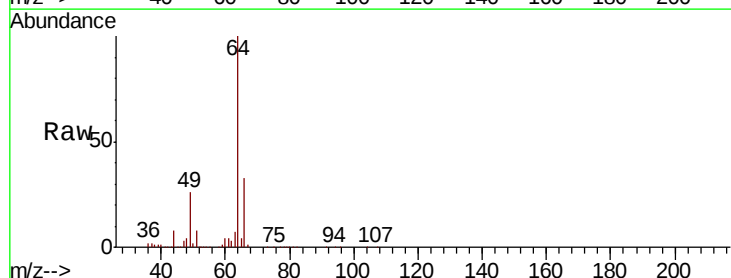
Instrument :
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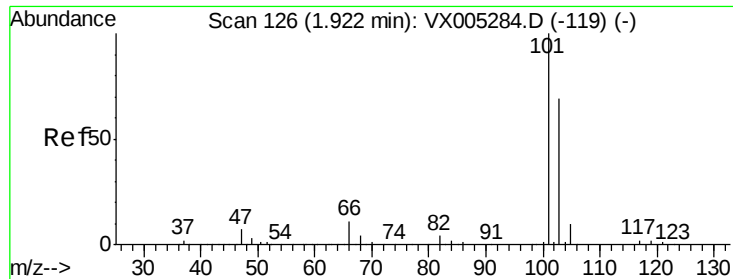
Tot Ion: 94 Resp: 36972
Ion Ratio Lower Upper
94 100
96 95.3 74.5 111.7



#6
Chloroethane
Concen: 19.089 ug/l
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 64 Resp: 40967
Ion Ratio Lower Upper
64 100
66 33.2 24.6 36.8



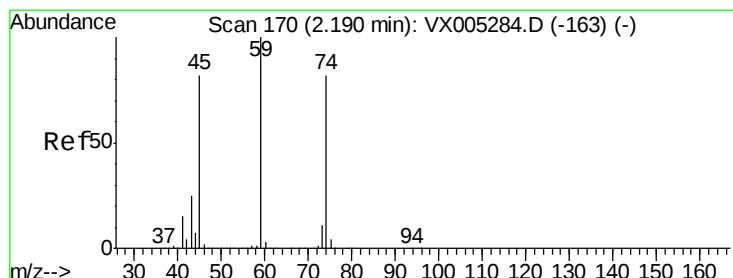
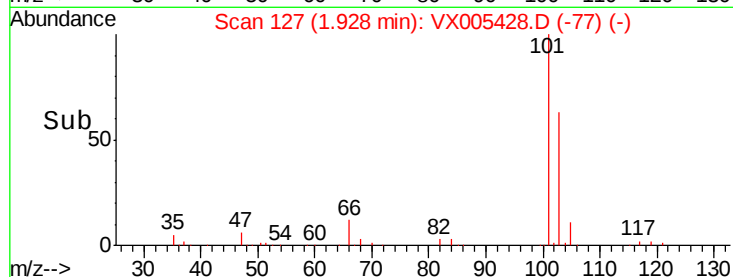
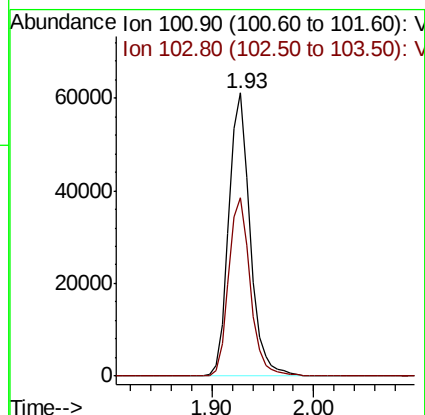
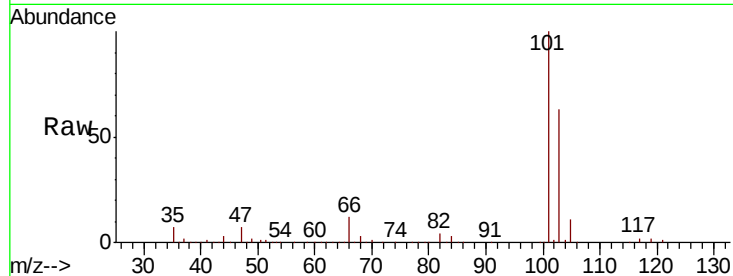


#7

Trichlorofluoromethane
 Concen: 19.145 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
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 VX1018WBSD01

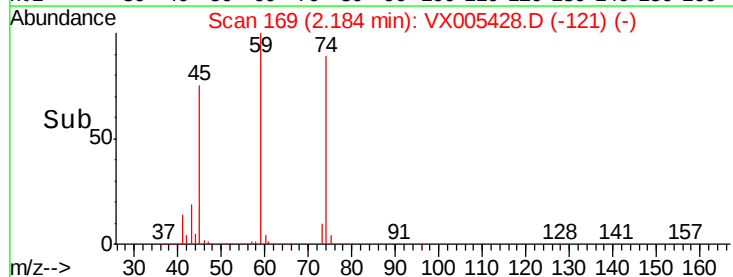
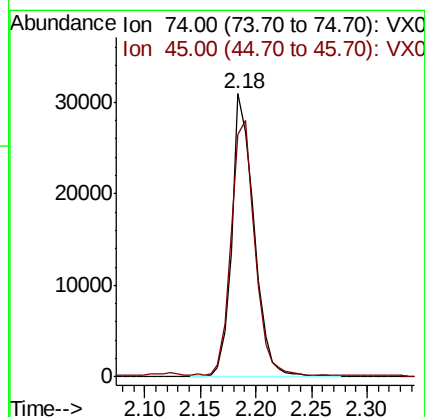
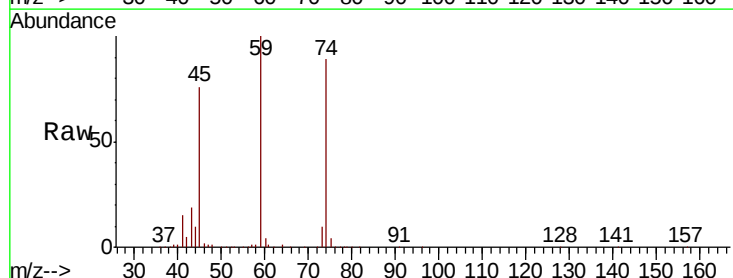
Tot Ion:101 Resp: 88295
 Ion Ratio Lower Upper
 101 100
 103 63.1 48.9 73.3

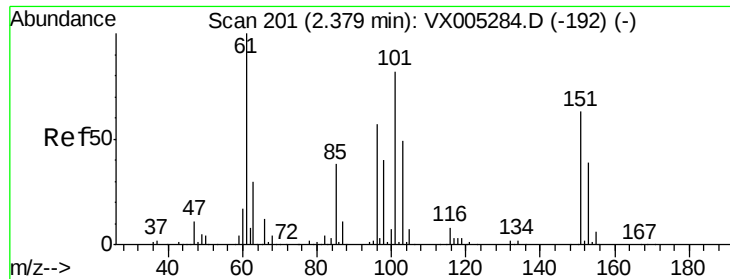


#8

Diethyl Ether
 Concen: 21.624 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 74 Resp: 42587
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.845 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

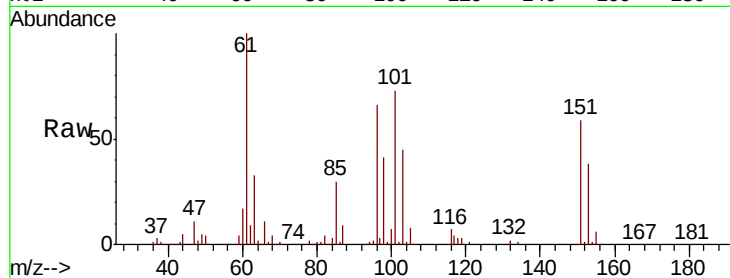
Tot Ion:101 Resp: 52827

Ion Ratio Lower Upper

101 100

85 43.6 34.2 51.4

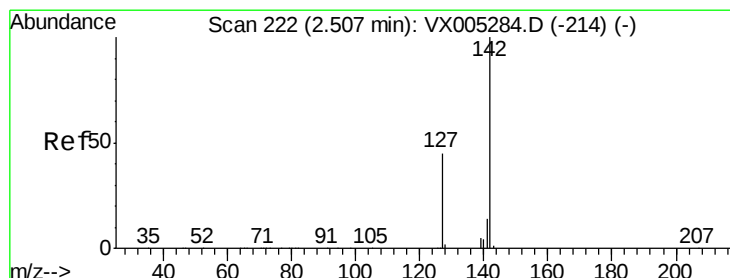
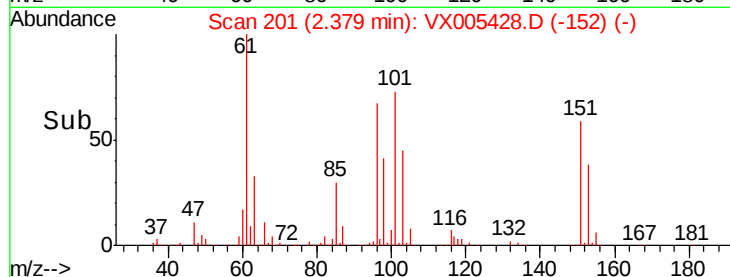
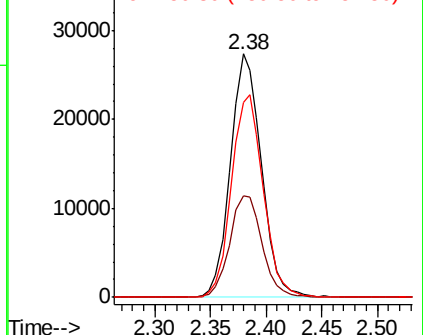
151 85.3 65.0 97.6



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: 21.085 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

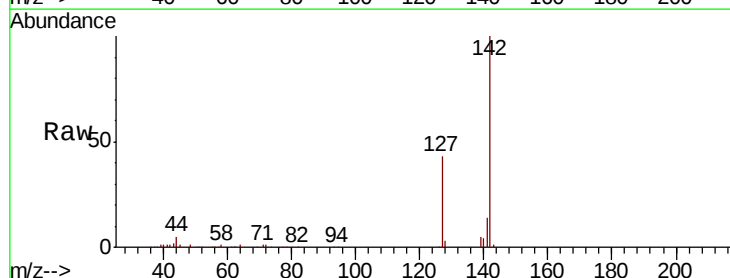
Tgt Ion:142 Resp: 57122

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

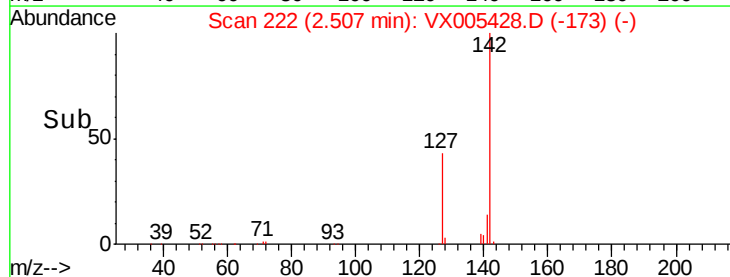
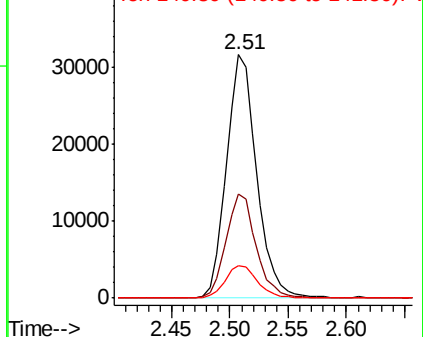
141 14.3 11.4 17.0



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



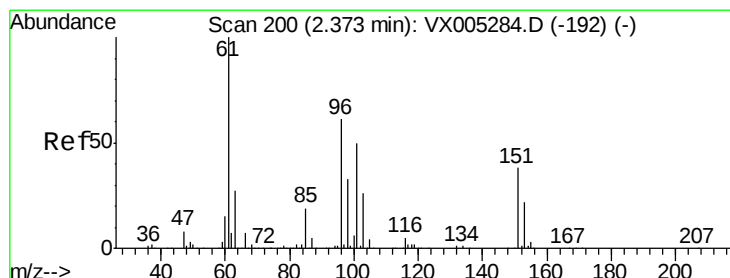
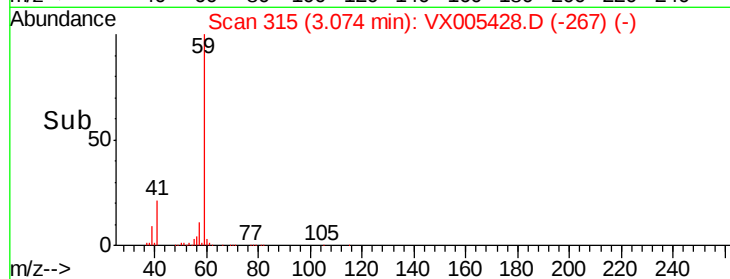
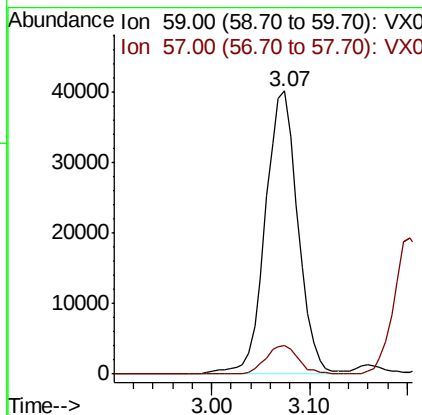
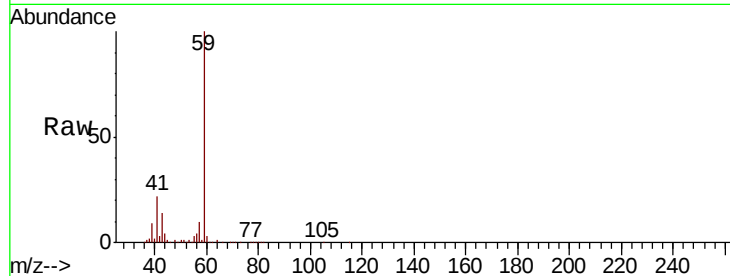


#11

Tert butyl alcohol
 Concen: 99.137 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX1018WBSD01

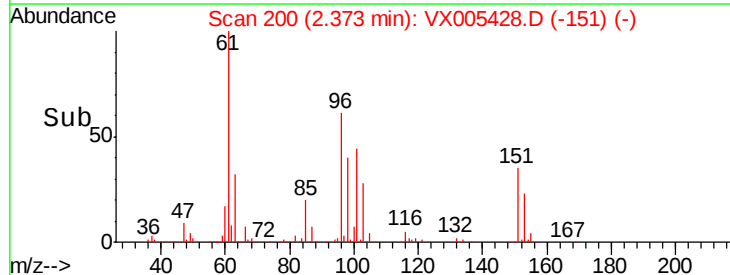
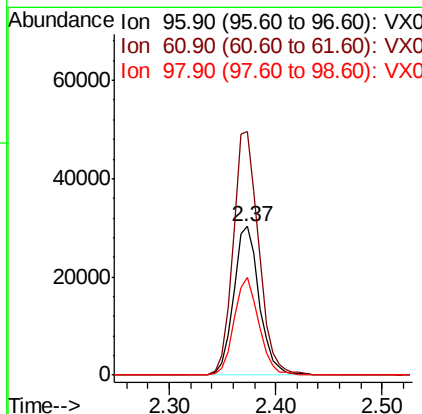
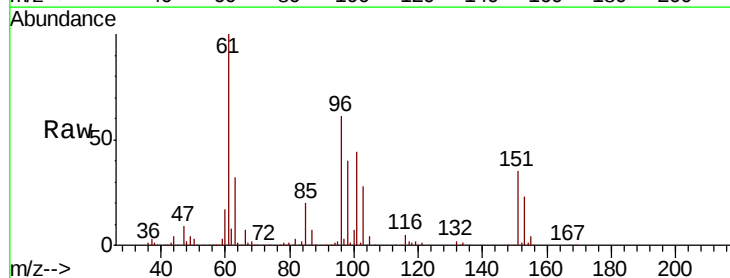
Tot Ion: 59 Resp: 93463
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

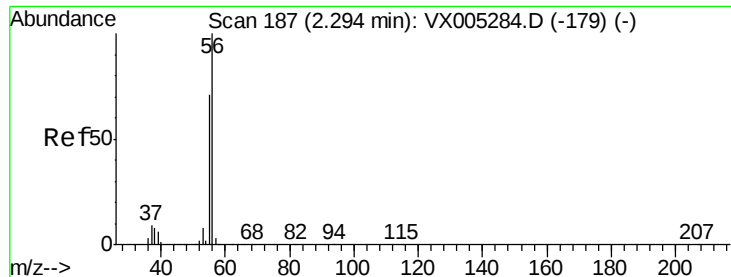


#12

1,1-Dichloroethene
 Concen: 19.451 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 96 Resp: 51301
 Ion Ratio Lower Upper
 96 100
 61 163.8 128.8 193.2
 98 66.0 52.2 78.2





#13

Acrolein

Concen: 63.204 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

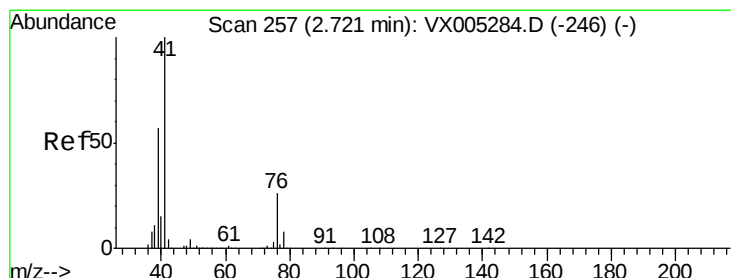
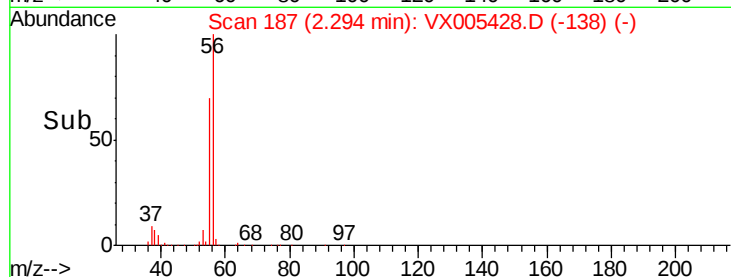
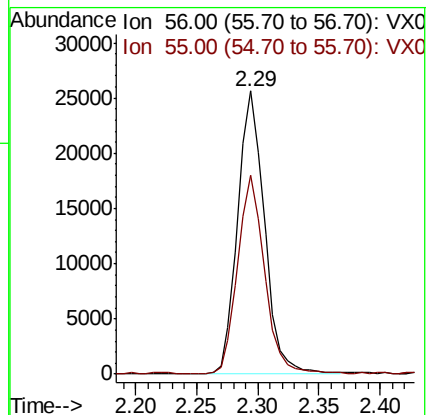
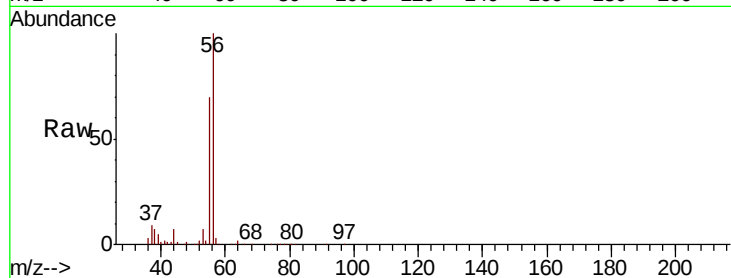
VX1018WBSD01

Tot Ion: 56 Resp: 38996

Ion Ratio Lower Upper

56 100

55 70.7 54.7 82.1



#14

Allyl chloride

Concen: 19.639 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

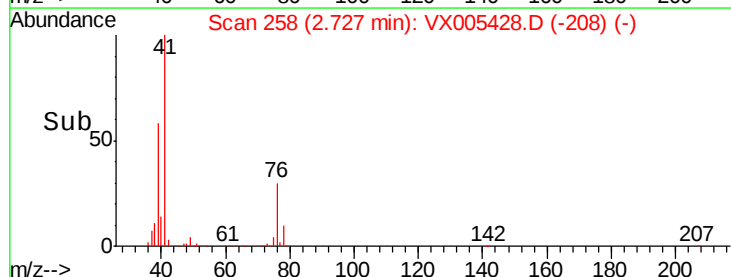
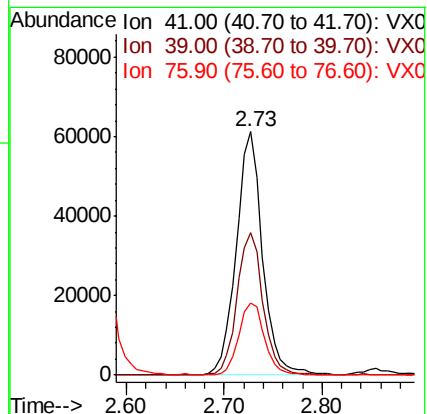
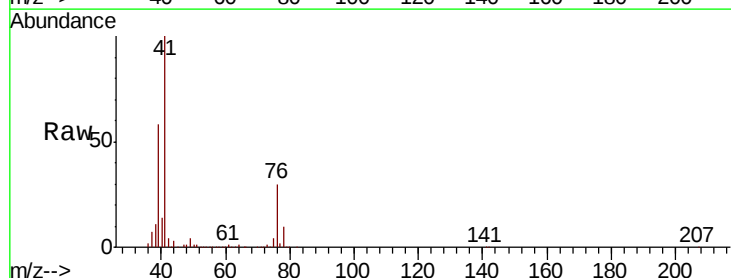
Tgt Ion: 41 Resp: 113721

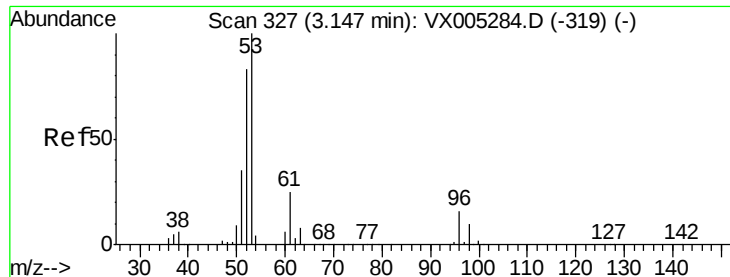
Ion Ratio Lower Upper

41 100

39 57.3 48.9 73.3

76 29.6 26.7 40.1





#15

Acrylonitrile

Concen: 98.047 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

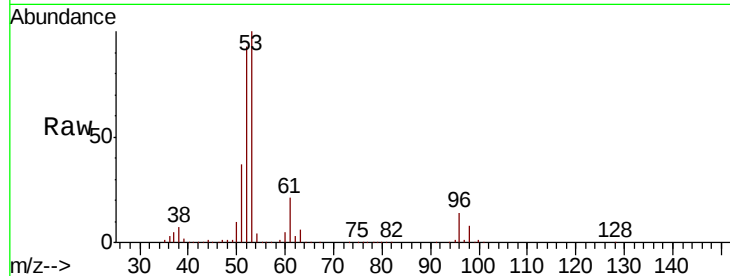
Tot Ion: 53 Resp: 209465

Ion Ratio Lower Upper

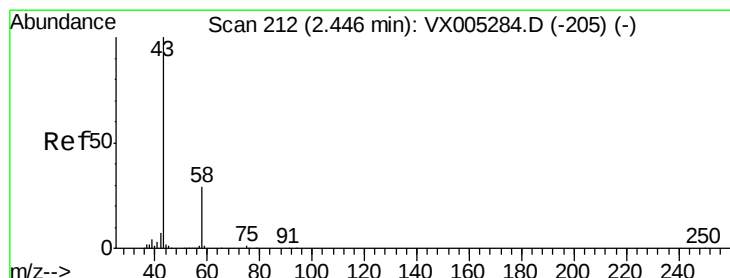
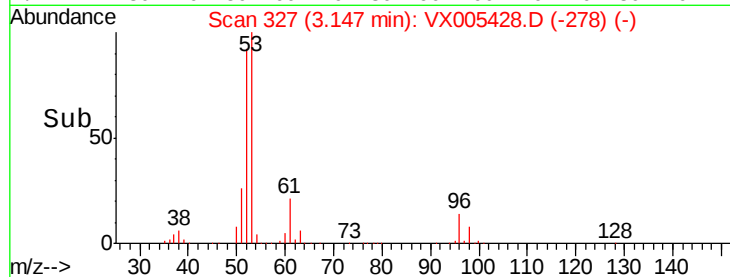
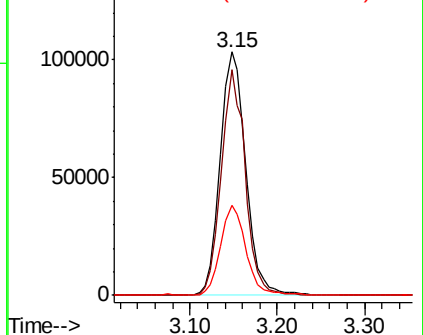
53 100

52 86.3 65.2 97.8

51 36.3 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: 97.889 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005428.D

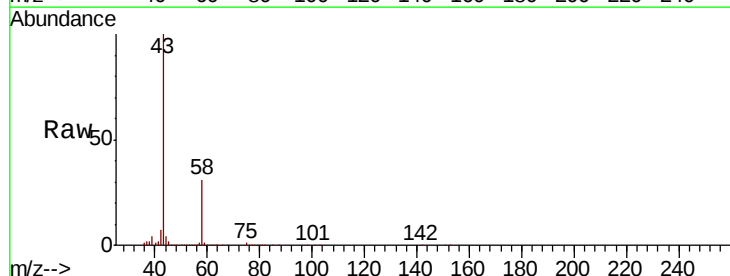
Acq: 18 Oct 2018 14:23

Tgt Ion: 43 Resp: 189159

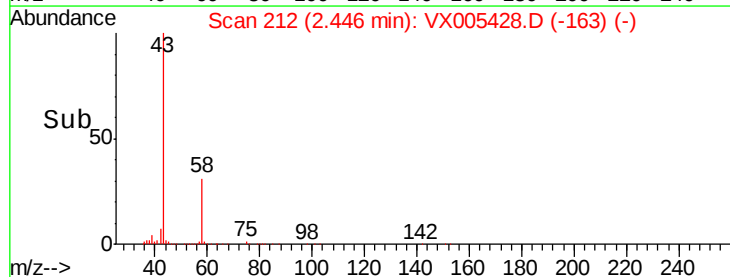
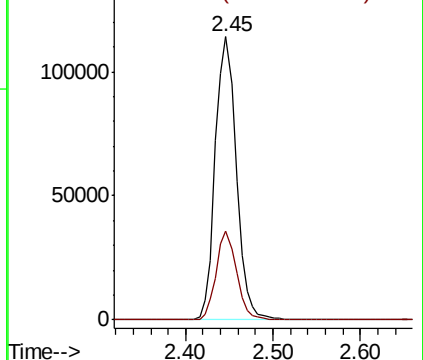
Ion Ratio Lower Upper

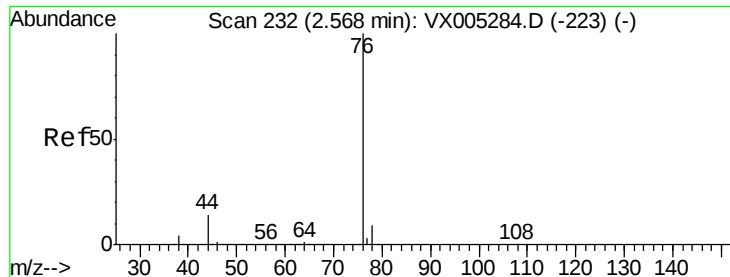
43 100

58 31.4 26.2 39.4



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

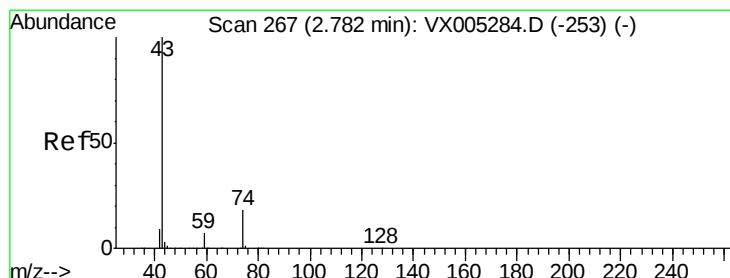
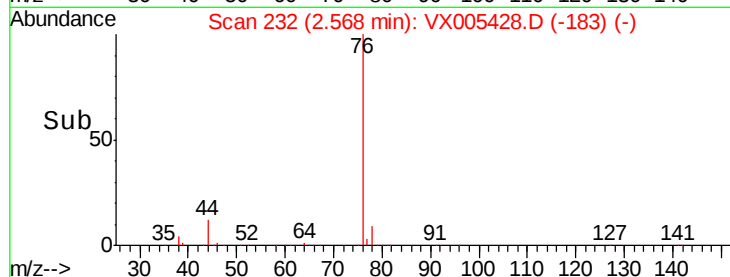
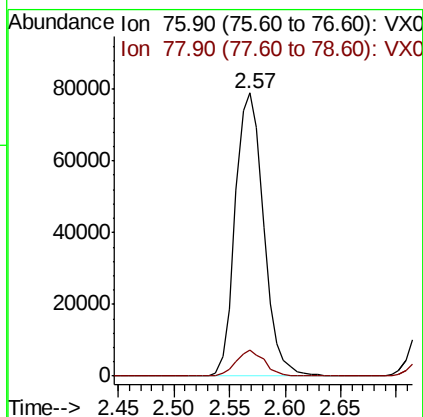
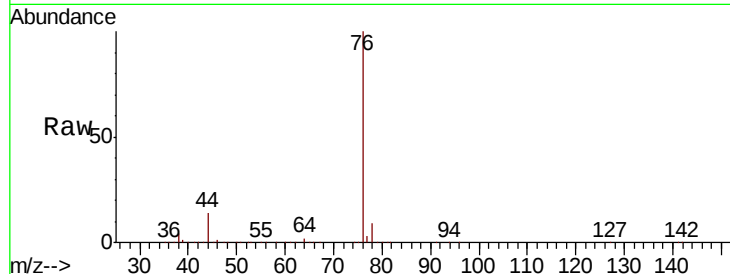




#17
Carbon Disulfide
Concen: 17.475 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

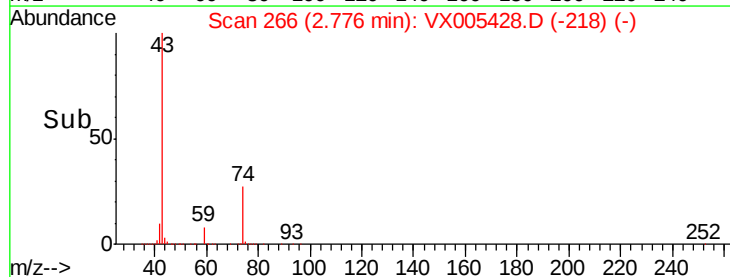
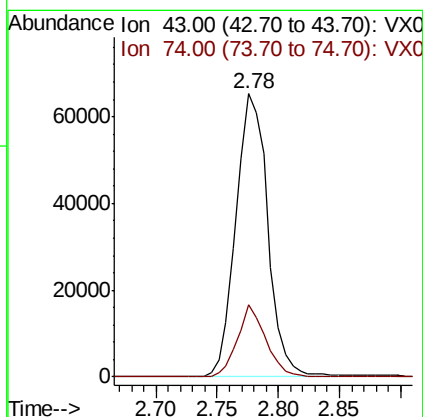
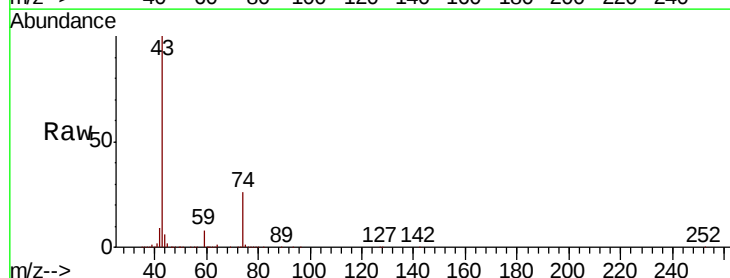
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 76 Resp: 139622
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 21.388 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 43 Resp: 117581
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



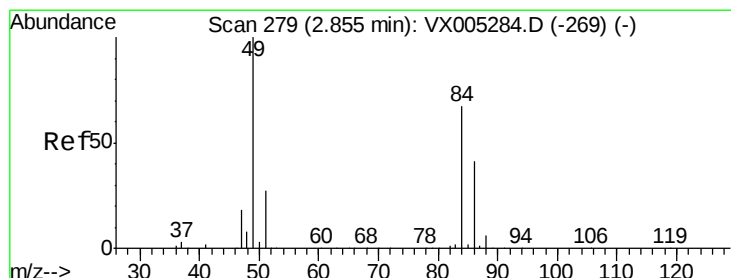
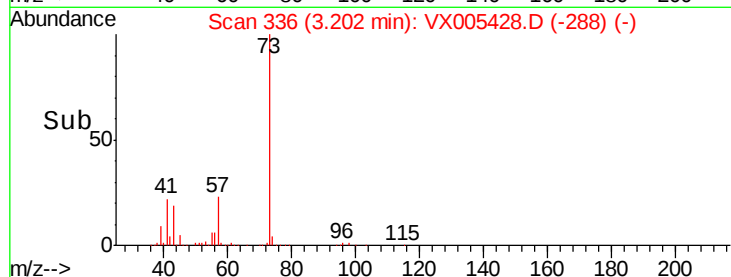
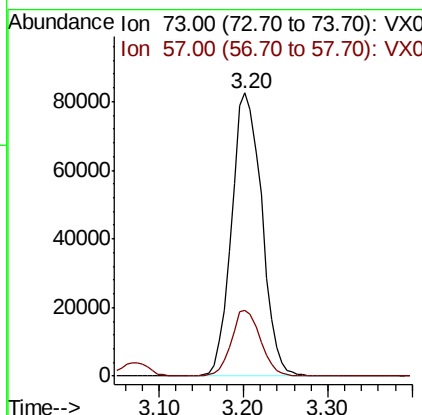
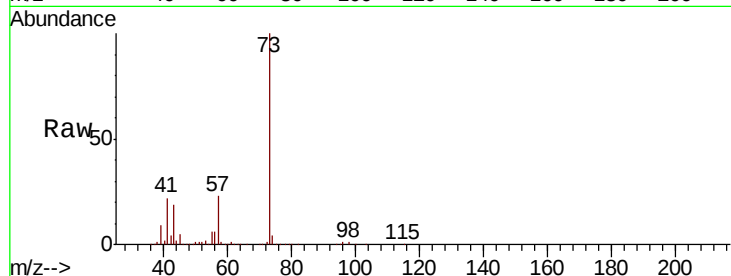


#19

Methyl tert-butyl Ether
 Concen: 21.496 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

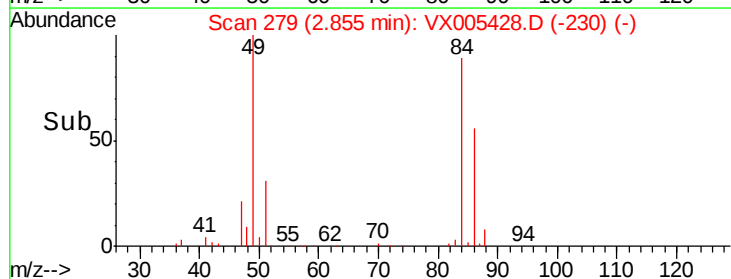
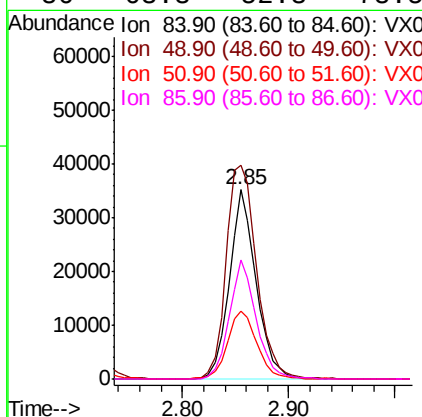
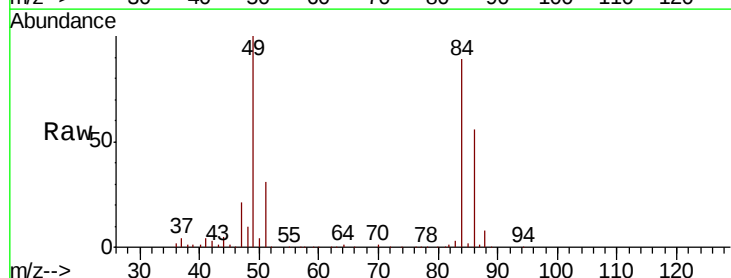
Tot Ion: 73 Resp: 199672
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.1 25.7

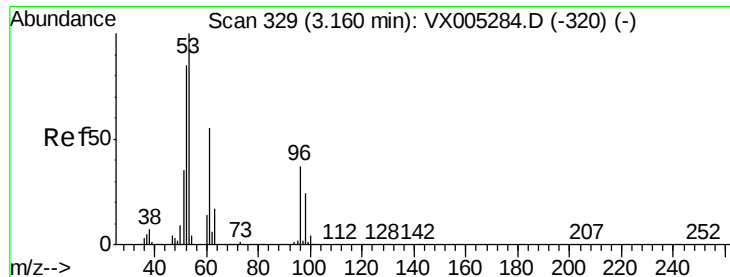


#20

Methylene Chloride
 Concen: 21.204 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 84 Resp: 61825
 Ion Ratio Lower Upper
 84 100
 49 112.8 101.2 151.8
 51 35.3 29.5 44.3
 86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.969 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

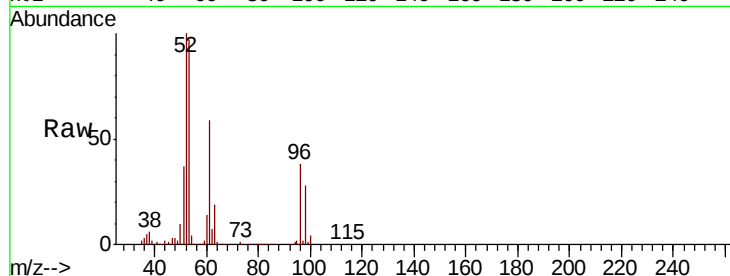
Tot Ion: 96 Resp: 55443

Ion Ratio Lower Upper

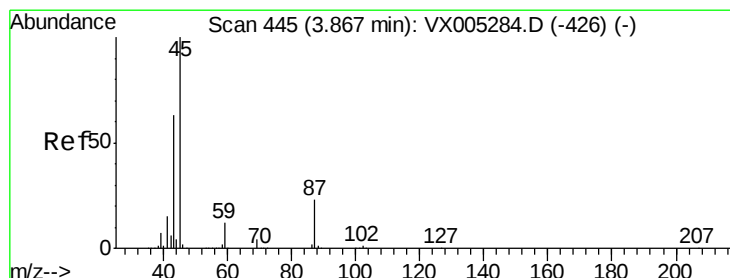
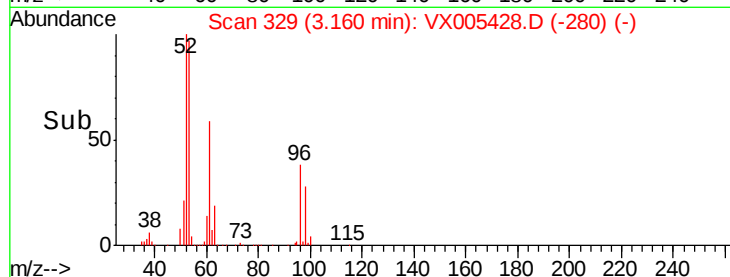
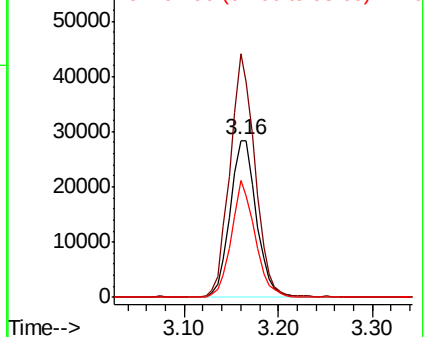
96 100

61 154.8 113.8 170.6

98 74.7 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: 21.059 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion: 45 Resp: 204822

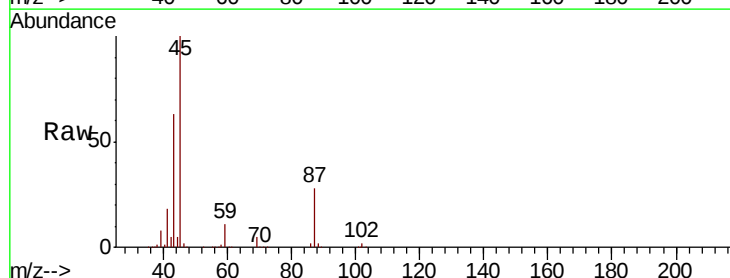
Ion Ratio Lower Upper

45 100

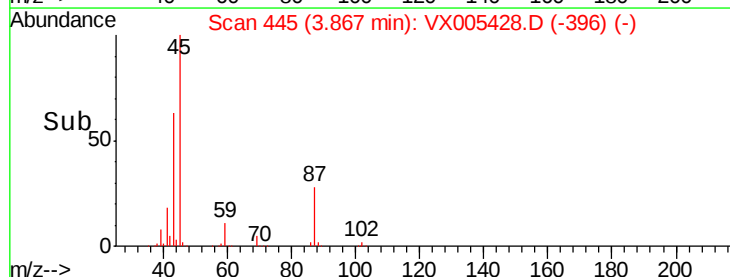
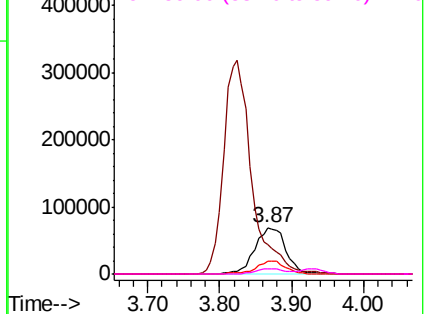
43 63.3 42.8 64.2

87 28.0 22.6 34.0

59 11.3 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: 102.031 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

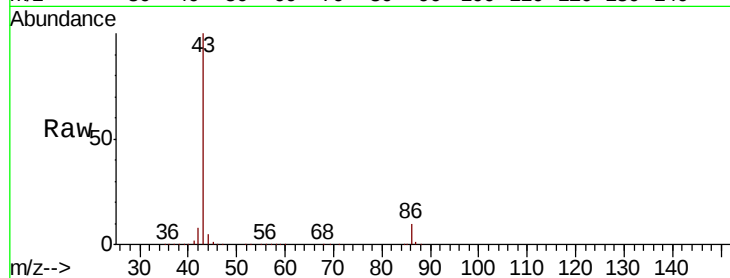
VX1018WBSD01

Tot Ion: 43 Resp: 867350

Ion Ratio Lower Upper

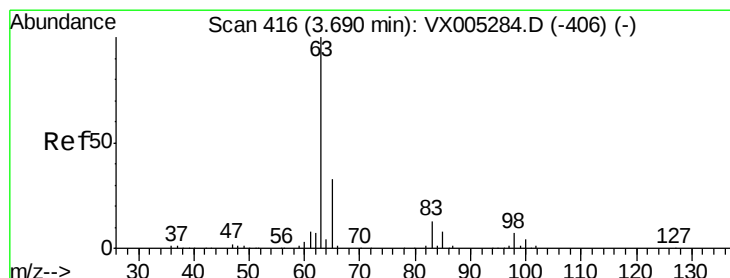
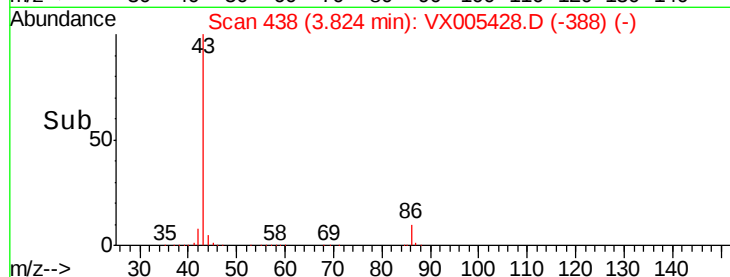
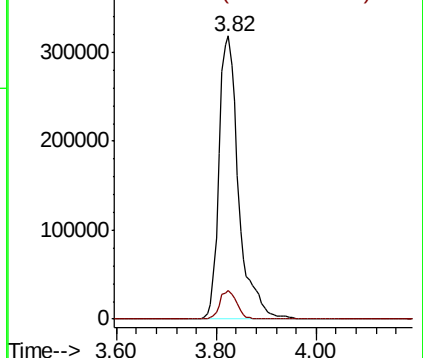
43 100

86 10.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.699 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

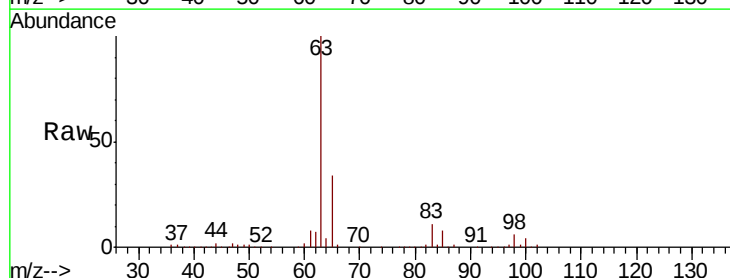
Tgt Ion: 63 Resp: 115377

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

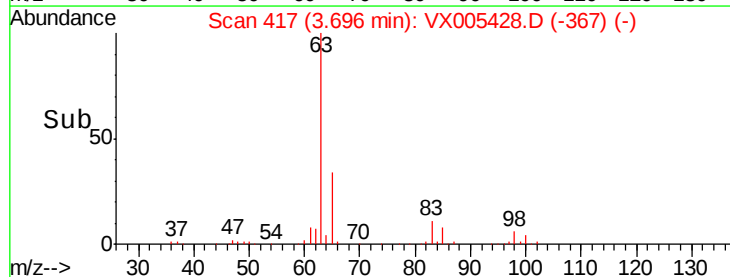
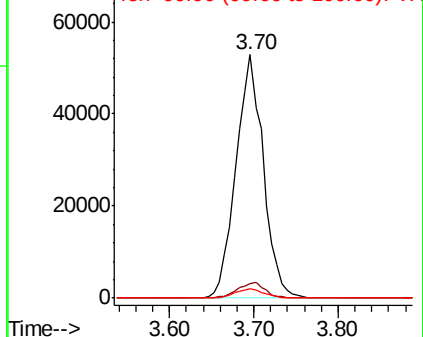
100 4.0 2.4 7.1

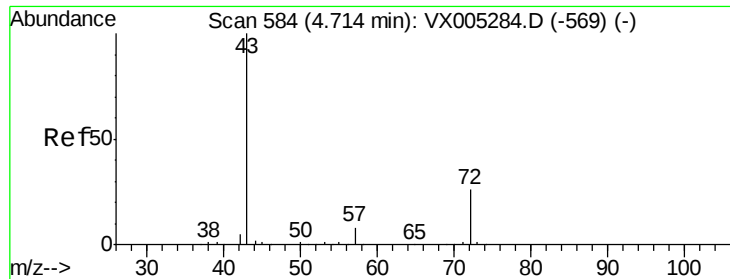


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.846 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

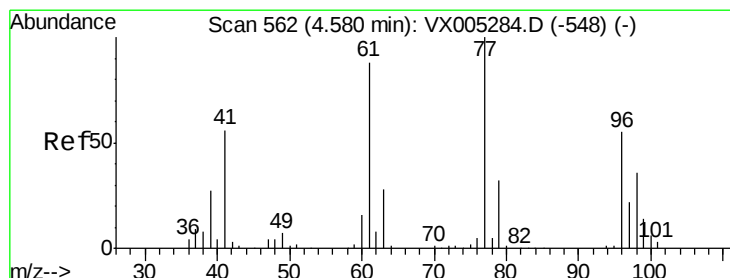
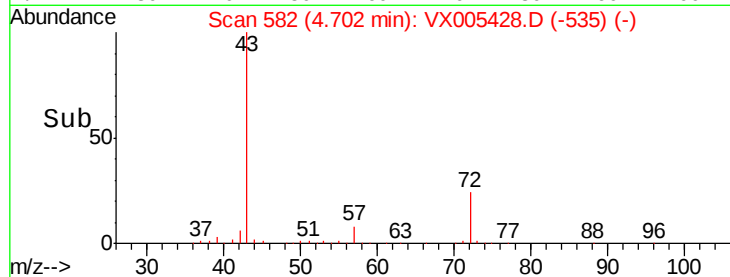
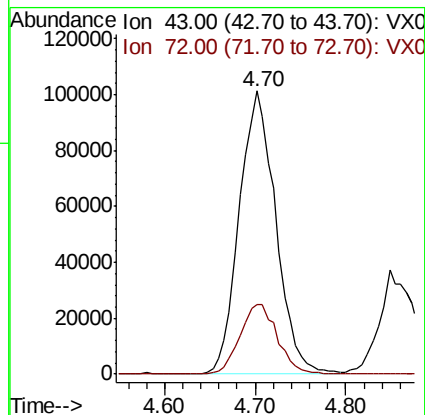
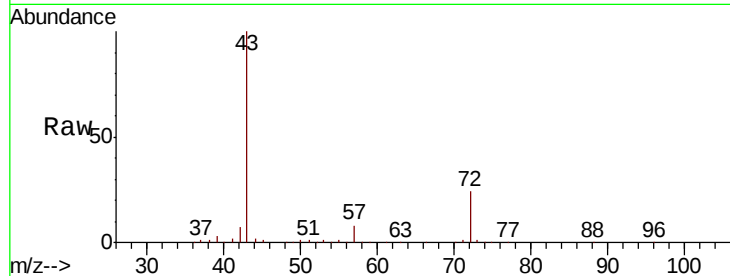
VX1018WBSD01

Tot Ion: 43 Resp: 282295

Ion Ratio Lower Upper

43 100

72 24.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.207 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005428.D

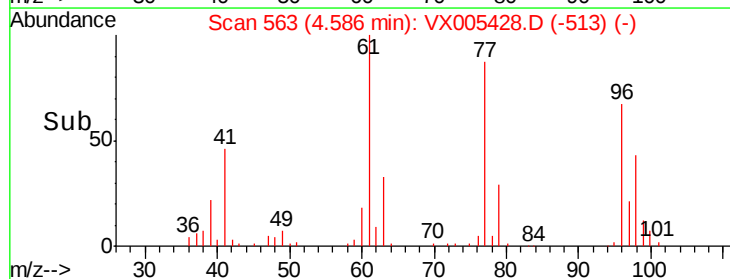
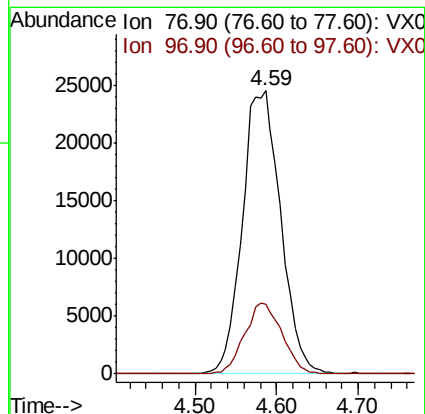
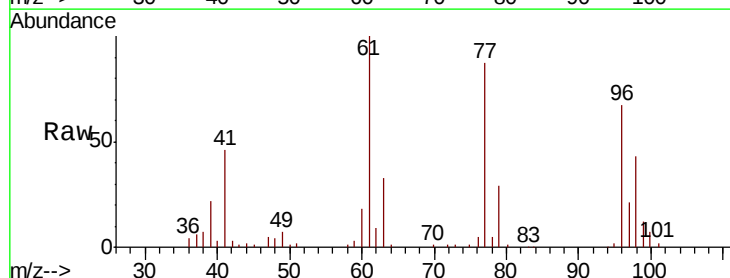
Acq: 18 Oct 2018 14:23

Tgt Ion: 77 Resp: 80071

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0



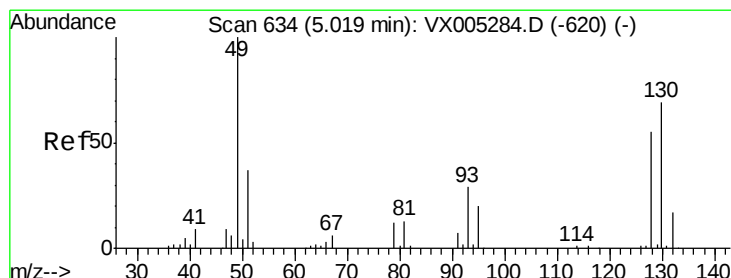
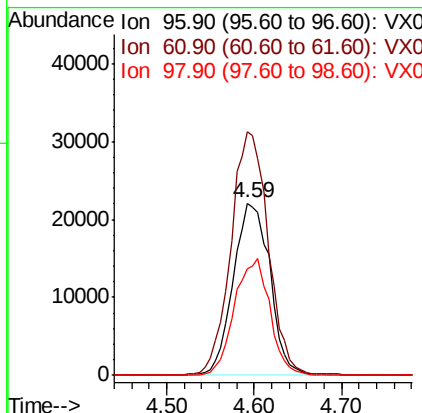
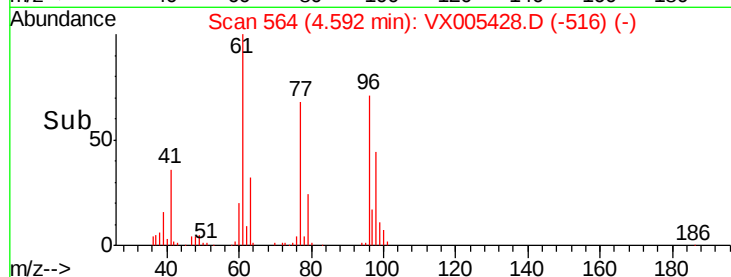
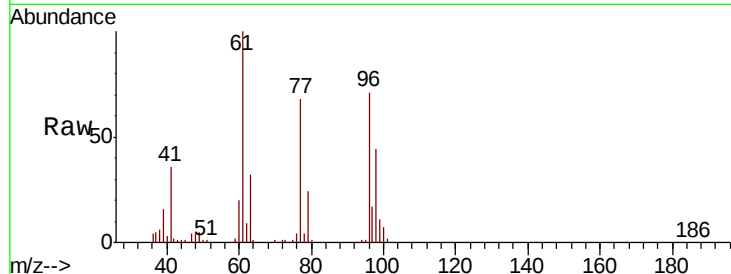


#27

cis-1,2-Dichloroethene
Concen: 20.248 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

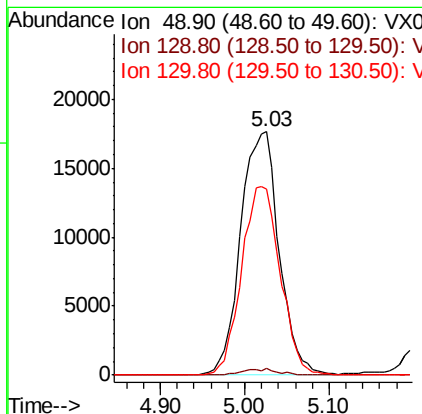
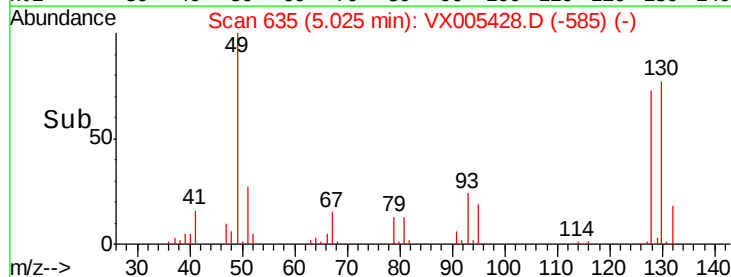
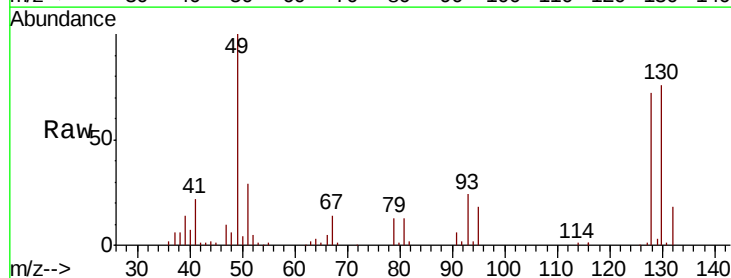
Tot Ion: 96 Resp: 64319
Ion Ratio Lower Upper
96 100
61 143.6 0.0 282.6
98 65.4 0.0 130.2

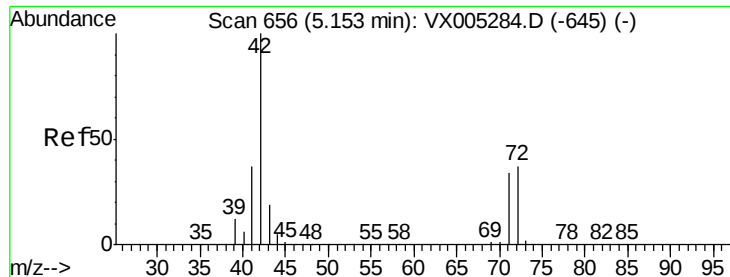


#28

Bromochloromethane
Concen: 21.527 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 49 Resp: 54701
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 77.9 67.5 101.3

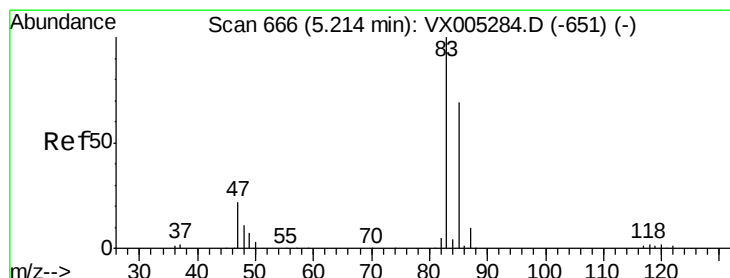
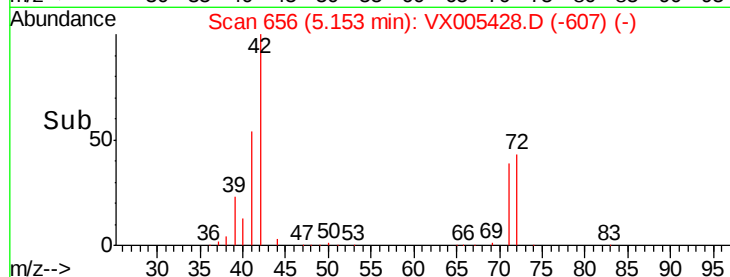
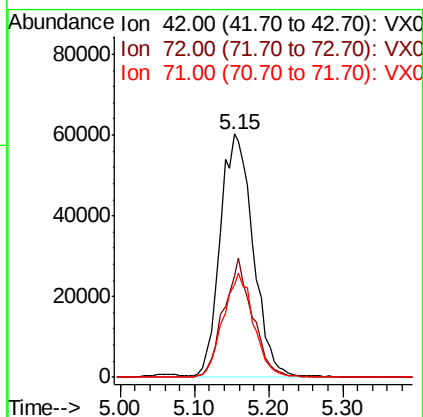
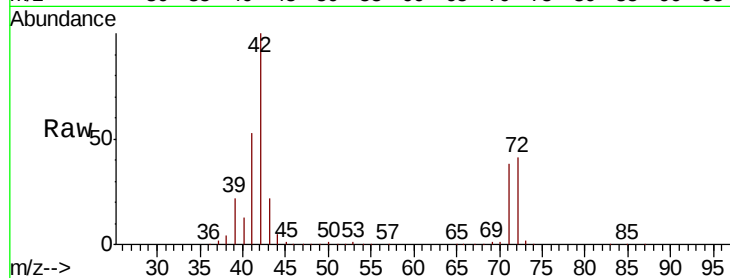




#29
Tetrahydrofuran
Concen: 102.769 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

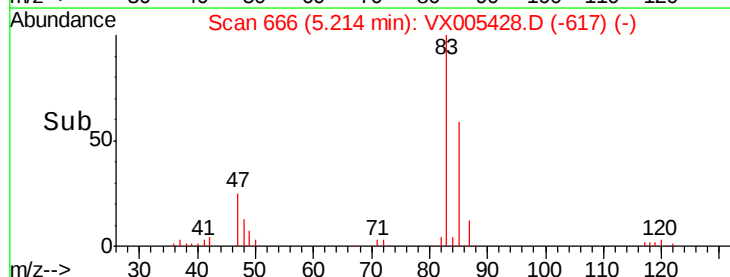
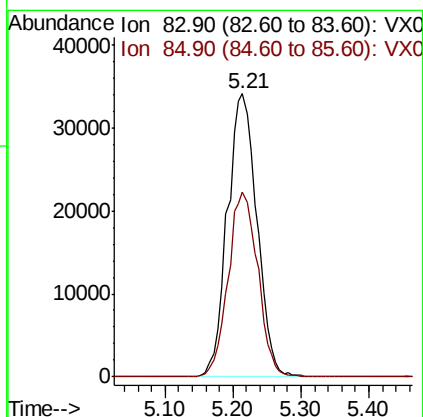
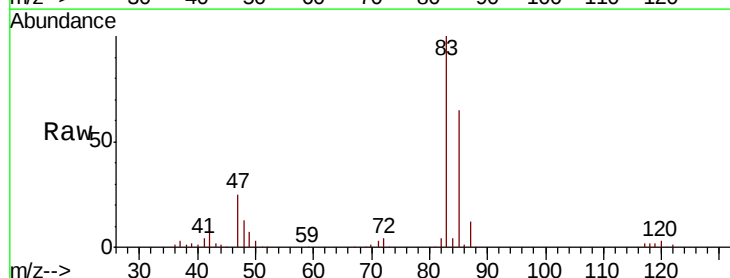
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

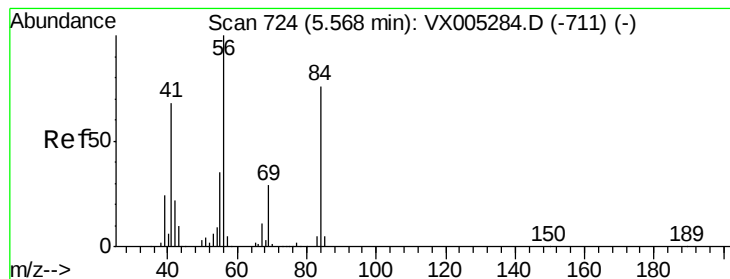
Tot Ion: 42 Resp: 185341
Ion Ratio Lower Upper
42 100
72 43.2 37.4 56.0
71 39.8 34.5 51.7



#30
Chloroform
Concen: 19.831 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 83 Resp: 102602
Ion Ratio Lower Upper
83 100
85 65.4 52.6 79.0





#31

Cyclohexane

Concen: 20.022 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

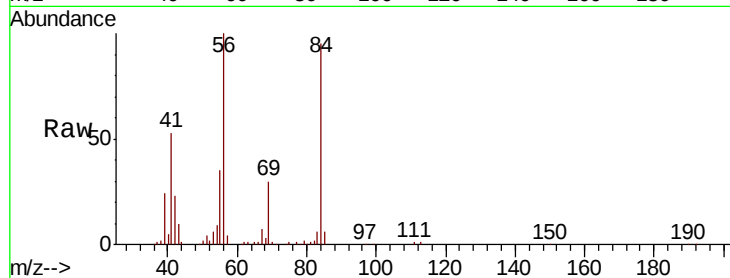
Tot Ion: 56 Resp: 91984

Ion Ratio Lower Upper

56 100

69 29.8 25.4 38.2

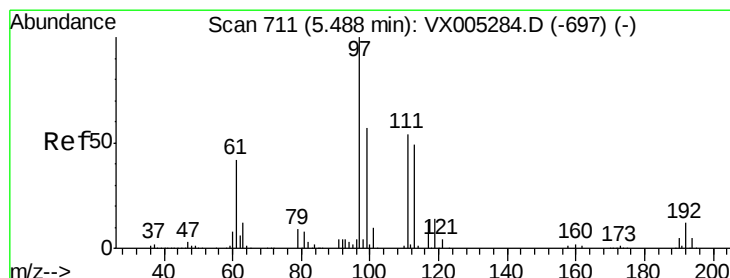
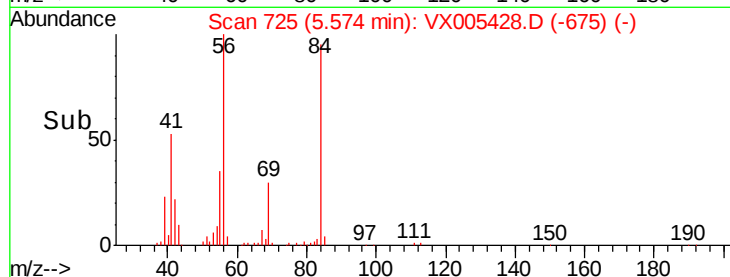
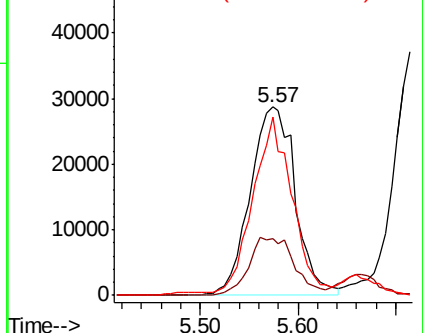
84 93.4 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.694 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

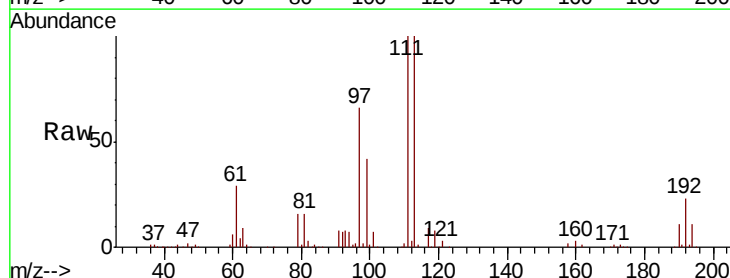
Tgt Ion: 97 Resp: 88660

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

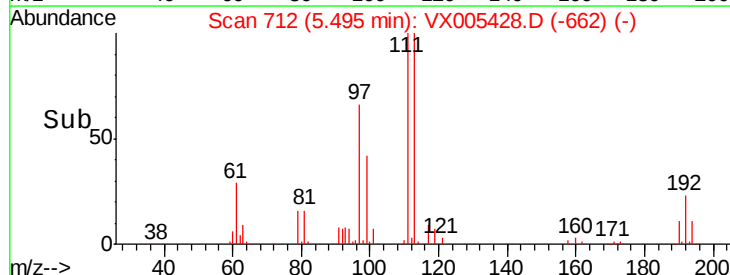
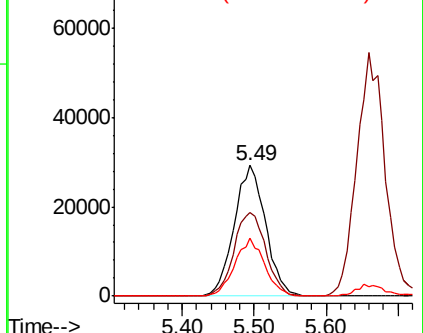
61 42.1 34.9 52.3

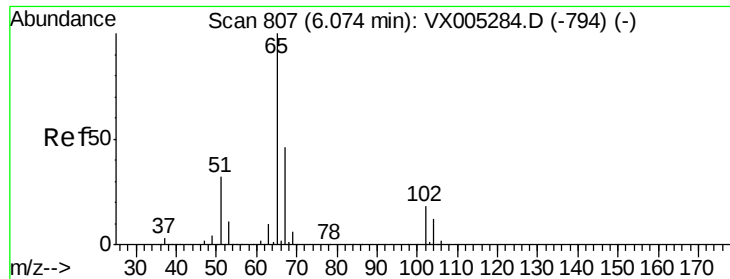


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

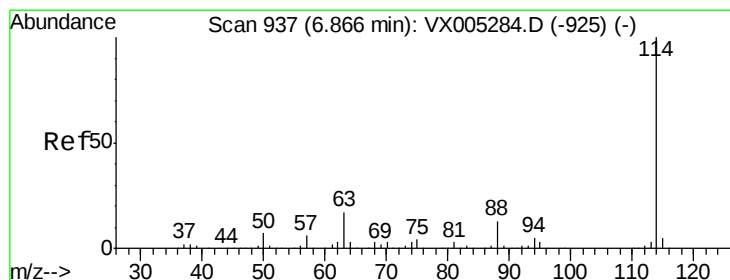
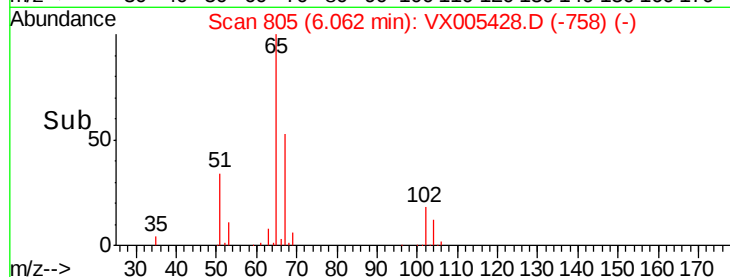
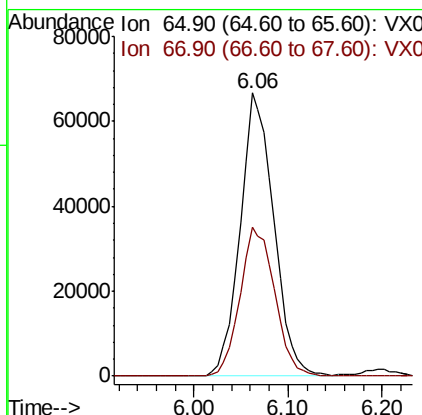
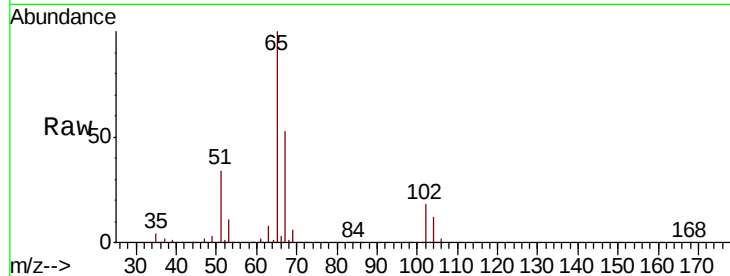




#33
 1,2-Dichloroethane-d4
 Concen: 49.771 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

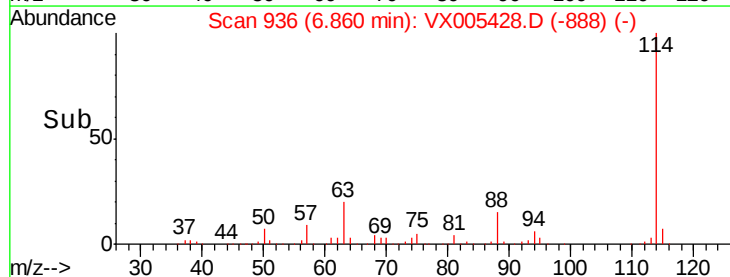
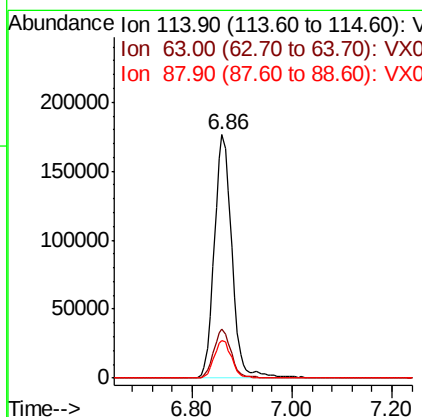
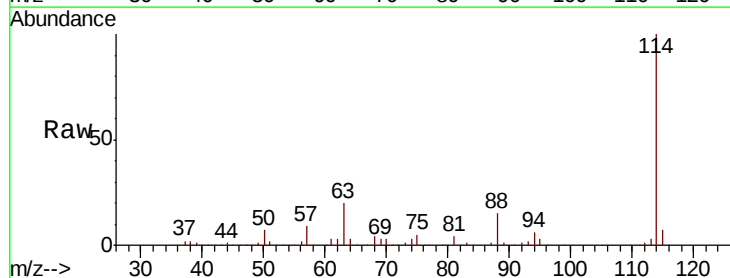
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

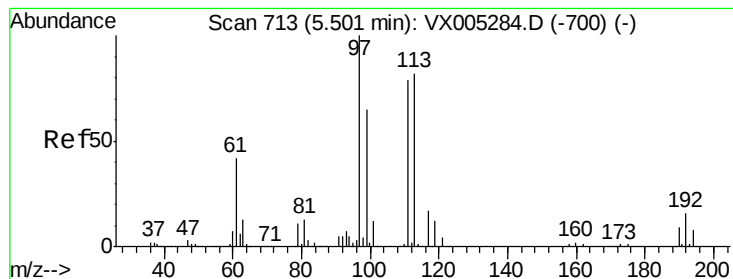
Tot Ion: 65 Resp: 166343
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 114 Resp: 433166
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.554 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

VX1018WBSD01

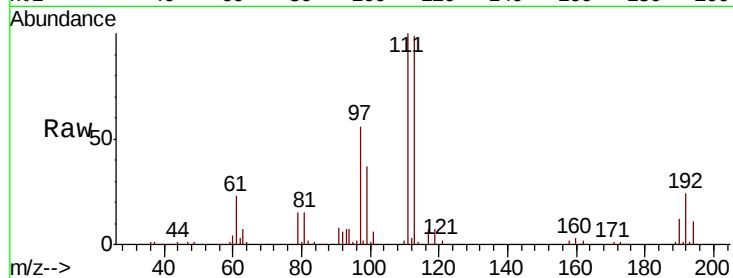
Tot Ion:113 Resp: 139300

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

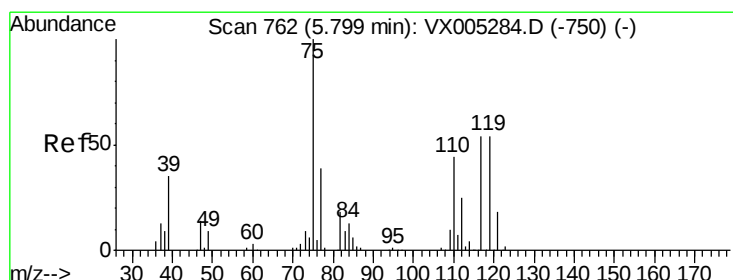
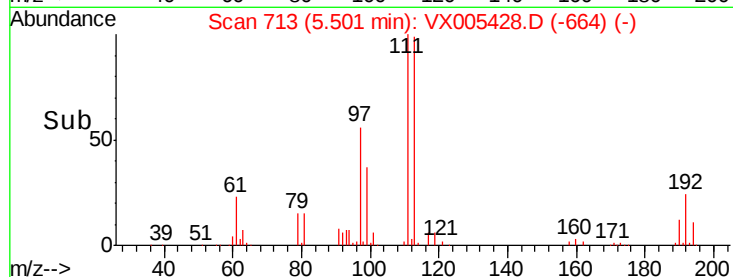
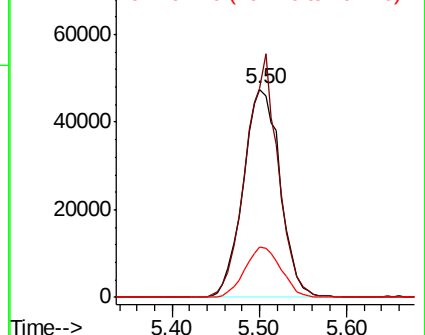
192 23.8 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.021 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

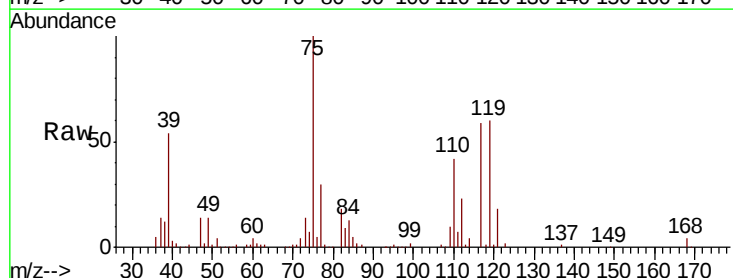
Tgt Ion: 75 Resp: 75601

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

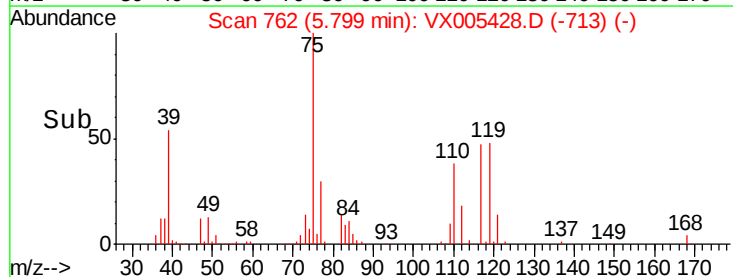
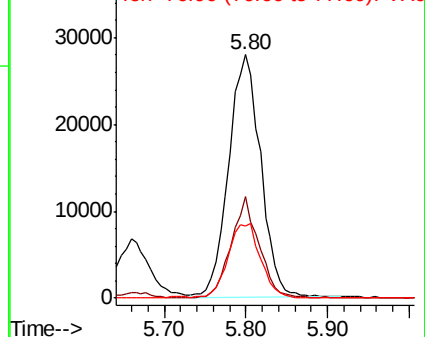
77 30.8 24.6 36.8

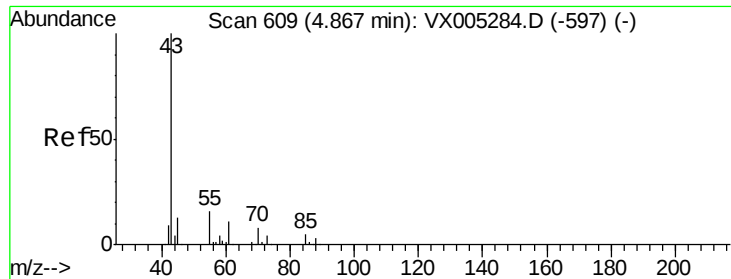


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.752 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.02 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

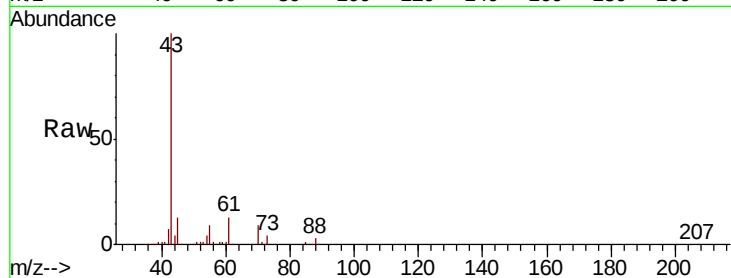
Tot Ion: 43 Resp: 101169

Ion Ratio Lower Upper

43 100

61 14.7 11.5 17.3

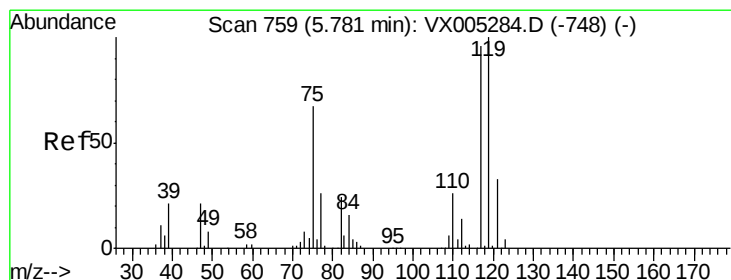
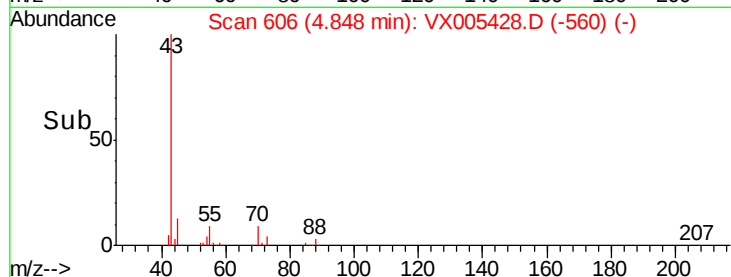
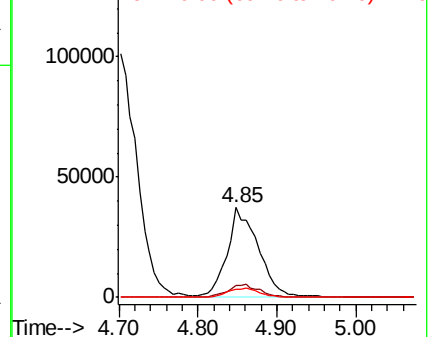
70 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.013 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

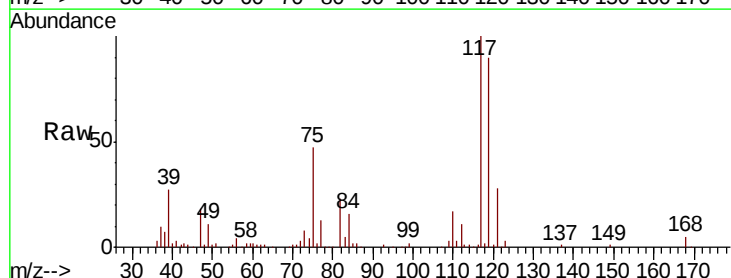
Tgt Ion: 117 Resp: 75928

Ion Ratio Lower Upper

117 100

119 90.1 78.8 118.2

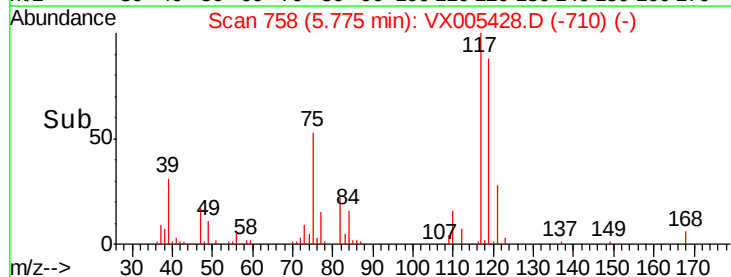
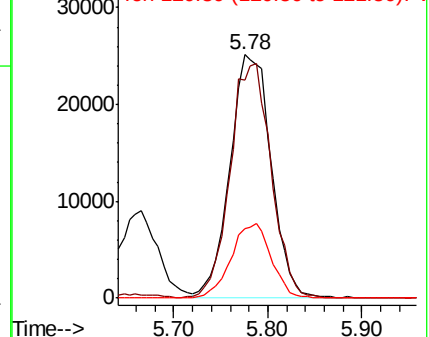
121 28.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

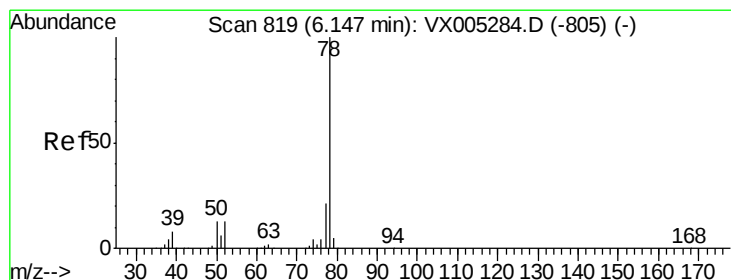
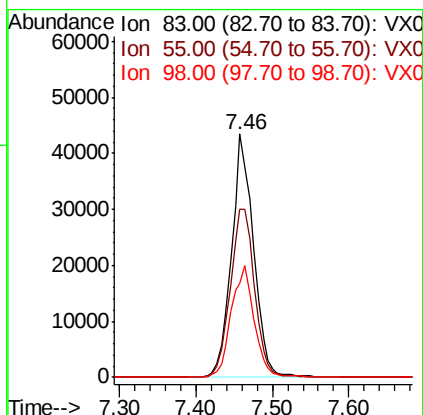
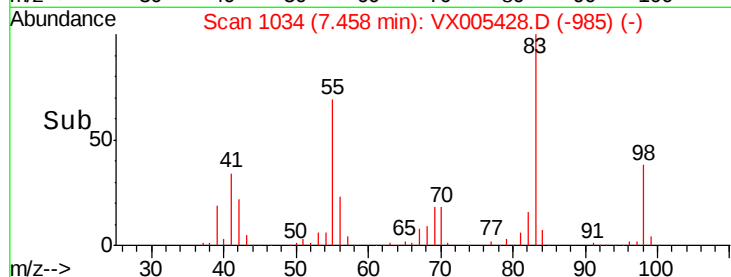
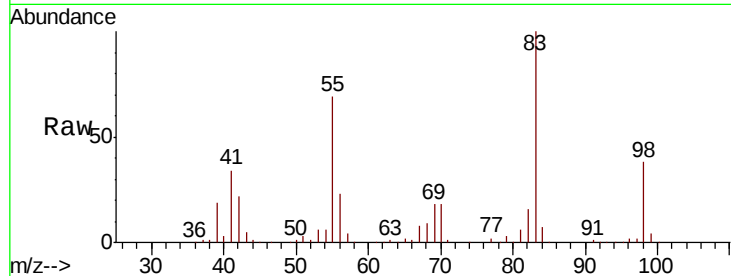




#39
Methvlcvclohexane
Concen: 19.102 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

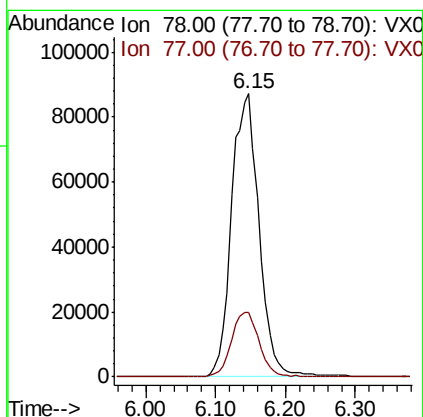
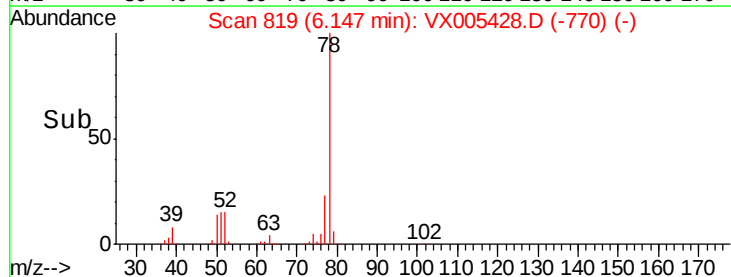
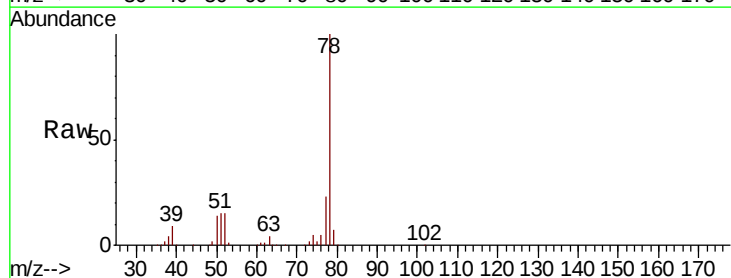
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 83 Resp: 86732
Ion Ratio Lower Upper
83 100
55 68.9 61.0 91.4
98 38.4 39.6 59.4#



#40
Benzene
Concen: 18.941 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 78 Resp: 238362
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4

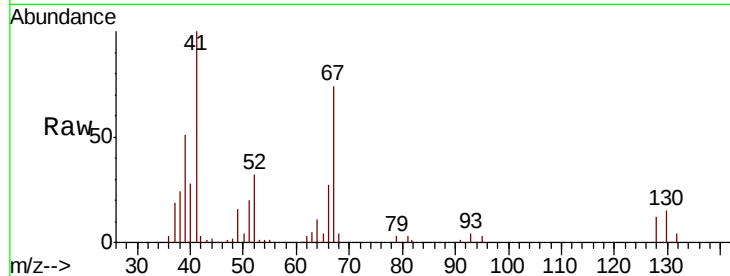




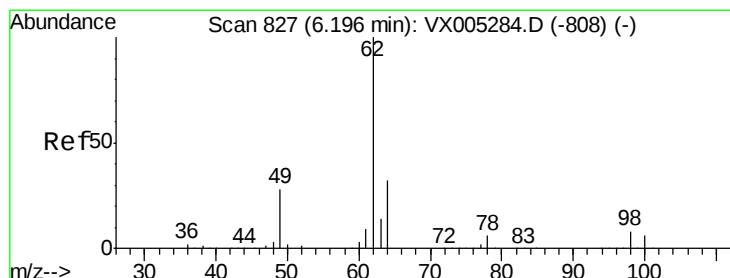
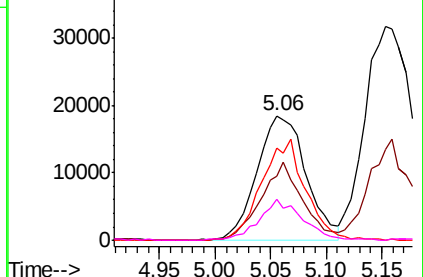
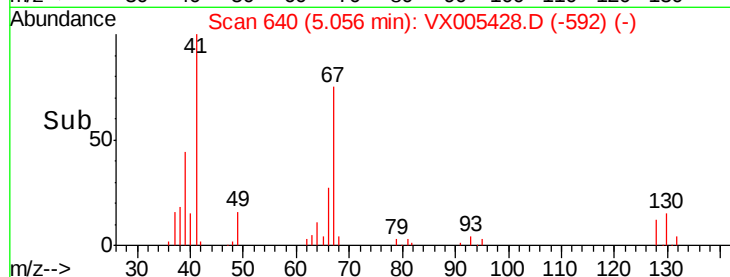
#41
Methacrylonitrile
Concen: 19.739 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion:	41	Resp:	57091
Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.4	63.6
67	72.5	59.2	88.8
52	28.9	23.0	34.4

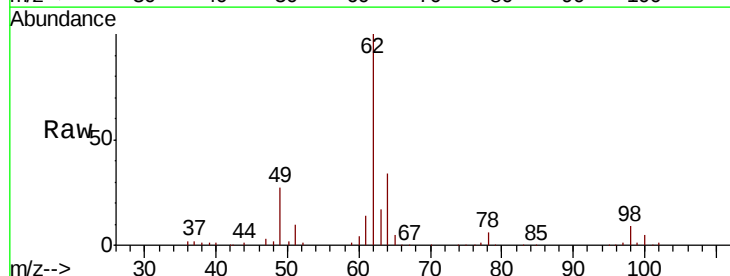


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

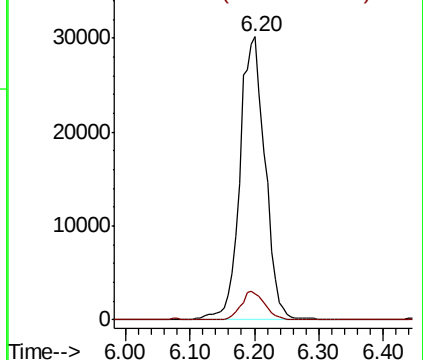
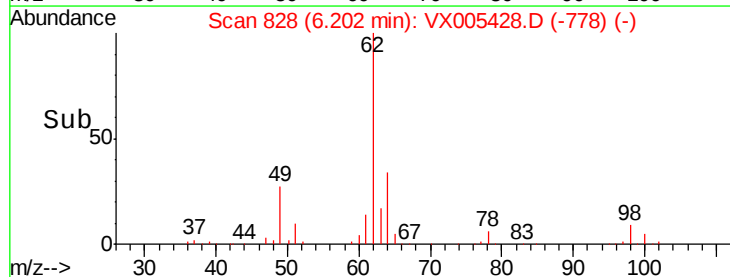


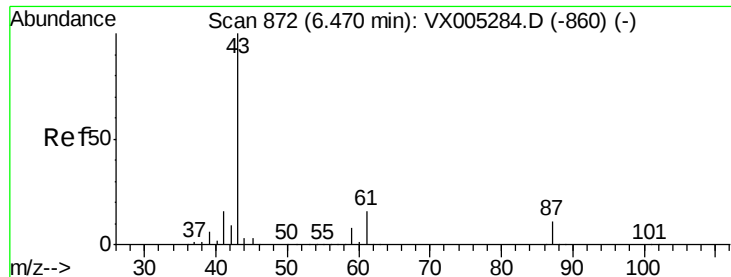
#42
1,2-Dichloroethane
Concen: 18.266 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion:	62	Resp:	81168
Ion	Ratio	Lower	Upper
62	100		
98	9.5	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: 20.477 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

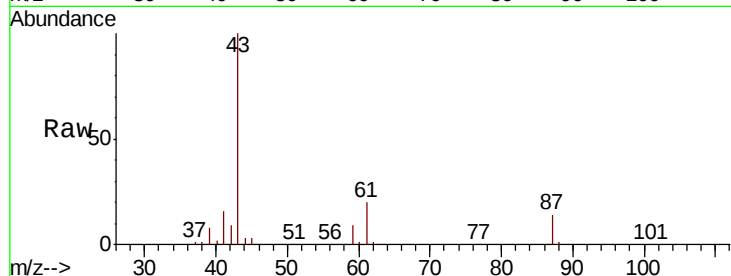
Tot Ion: 43 Resp: 147166

Ion Ratio Lower Upper

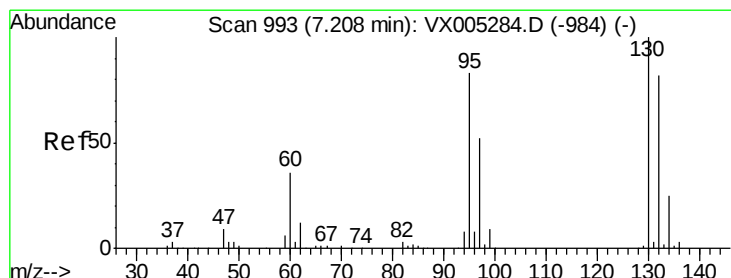
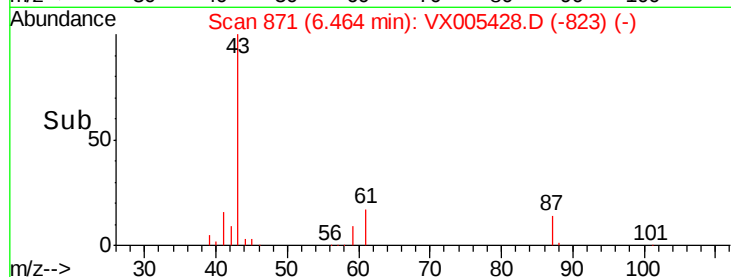
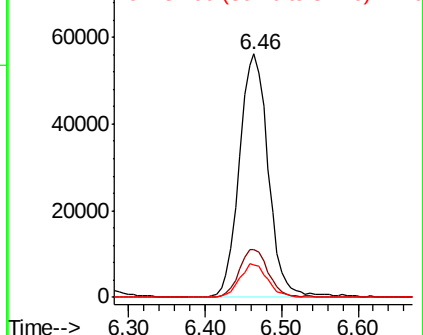
43 100

61 20.2 17.0 25.4

87 13.4 11.4 17.2



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



#44

Trichloroethene

Concen: 19.070 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005428.D

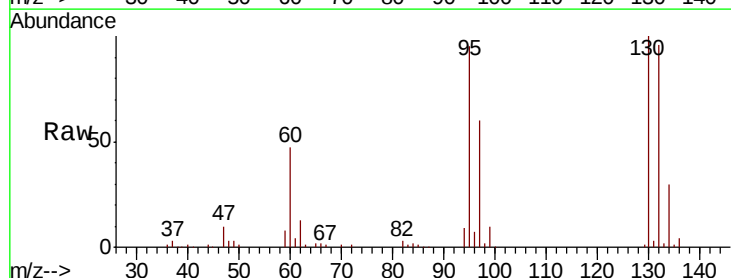
Acq: 18 Oct 2018 14:23

Tgt Ion:130 Resp: 62515

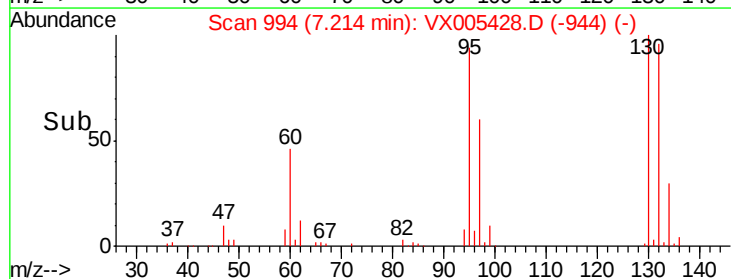
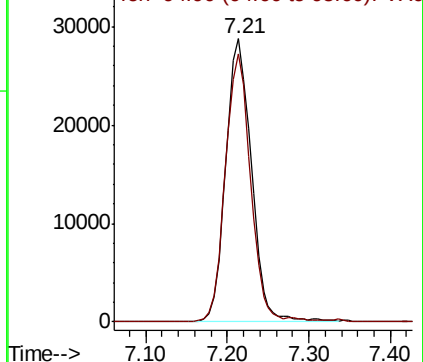
Ion Ratio Lower Upper

130 100

95 94.7 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 19.321 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

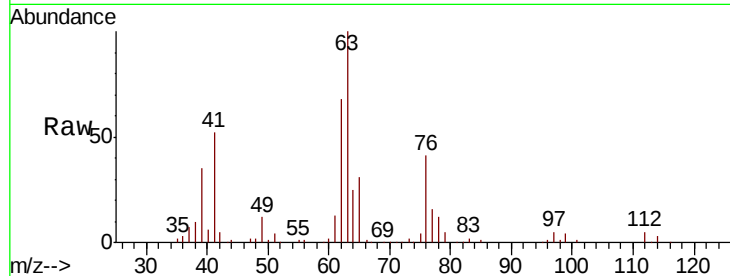
VX1018WBSD01

Tot Ion: 63 Resp: 59643

Ion Ratio Lower Upper

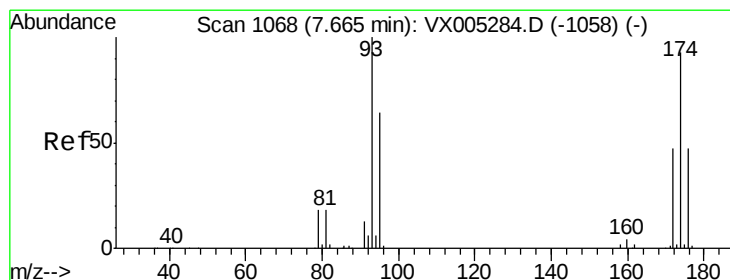
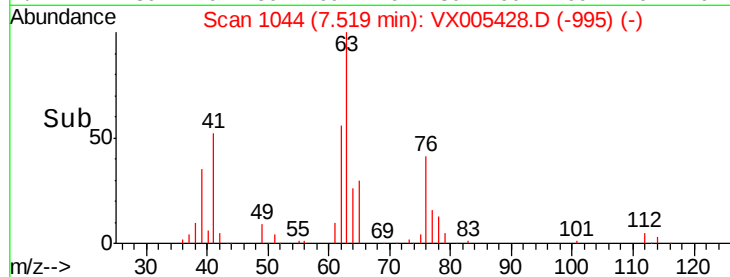
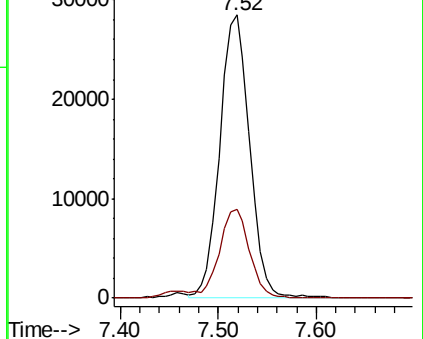
63 100

65 31.4 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: 18.663 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

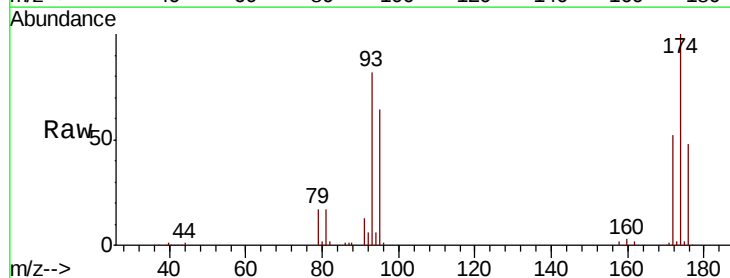
Tgt Ion: 93 Resp: 38025

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

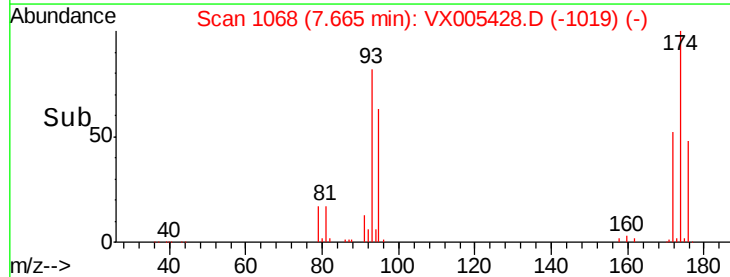
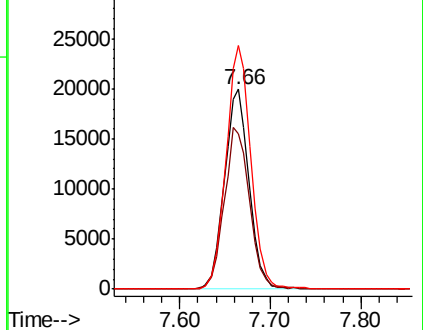
174 122.6 94.2 141.4

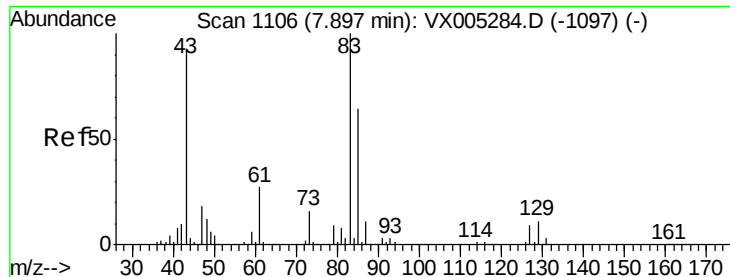


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.217 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

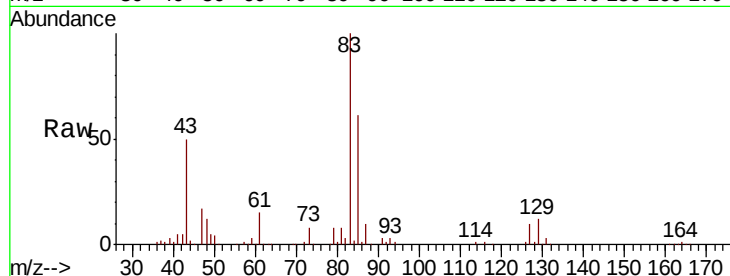
Tot Ion: 83 Resp: 72423

Ion Ratio Lower Upper

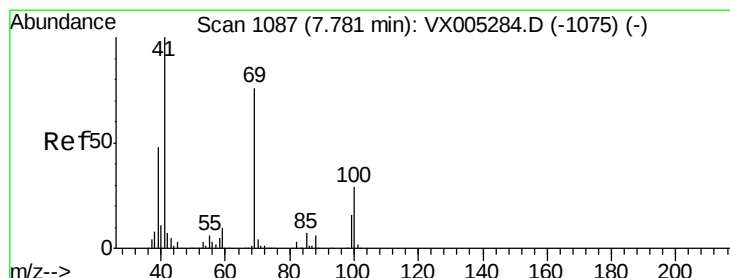
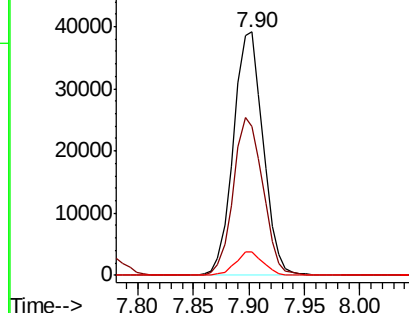
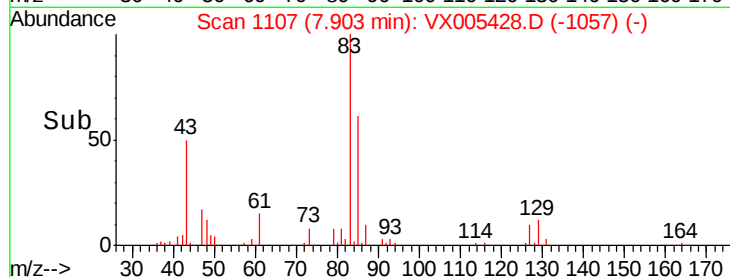
83 100

85 61.3 50.9 76.3

127 9.5 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: 19.518 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

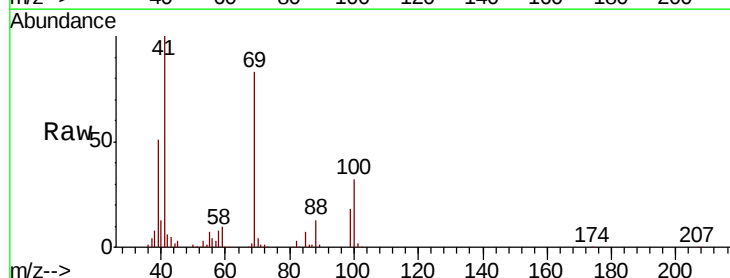
Tgt Ion: 41 Resp: 72751

Ion Ratio Lower Upper

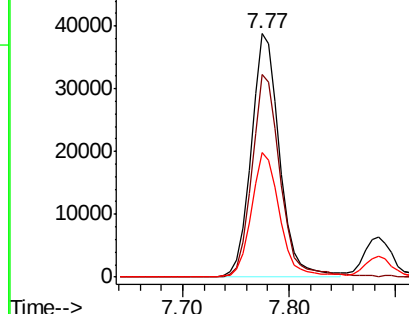
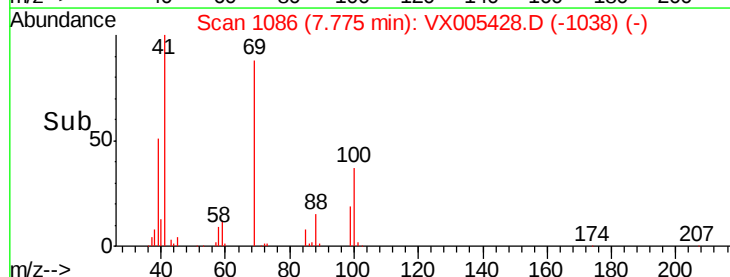
41 100

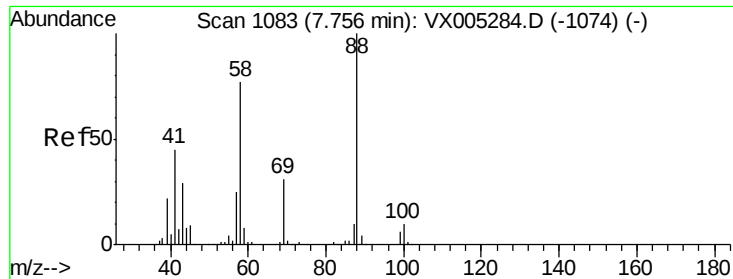
69 83.1 70.2 105.4

39 51.2 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

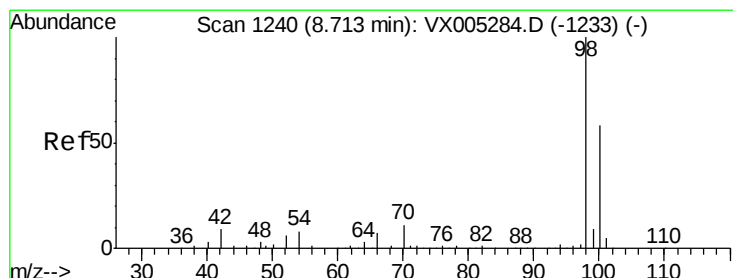
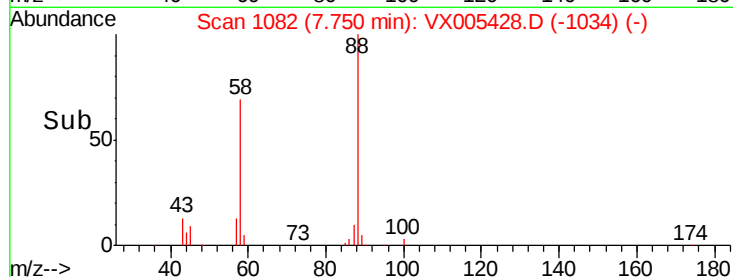
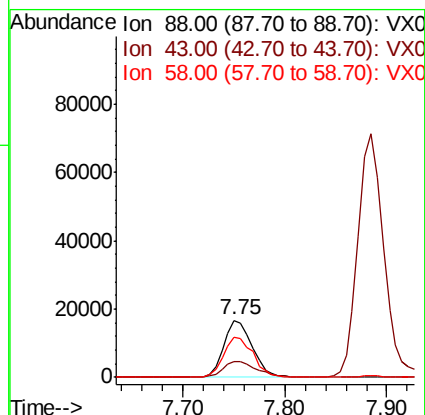
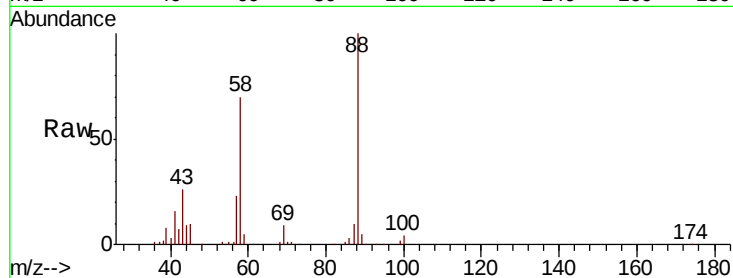




#49
1,4-Dioxane
Concen: 378.179 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

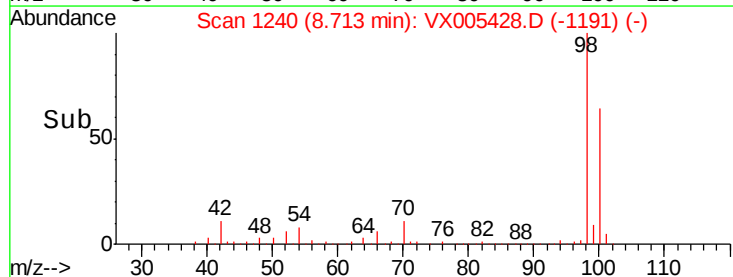
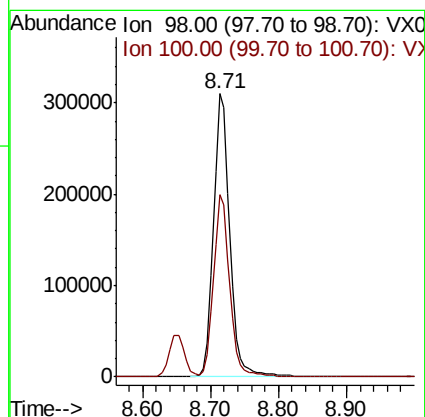
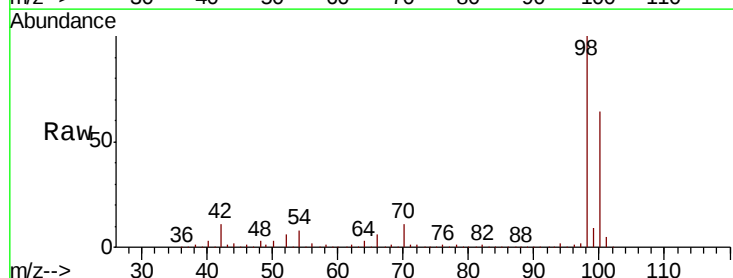
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

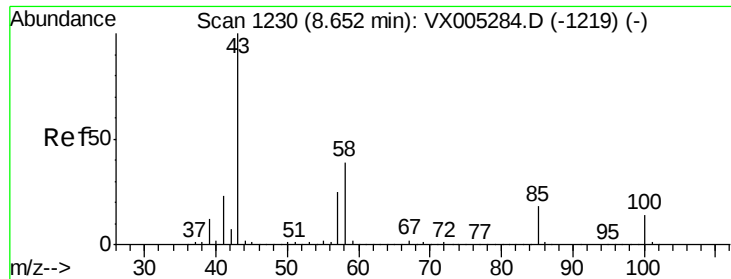
Tot Ion: 88 Resp: 32513
Ion Ratio Lower Upper
88 100
43 32.6 24.7 37.1
58 73.5 55.3 82.9



#50
Toluene-d8
Concen: 52.162 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 98 Resp: 513765
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3

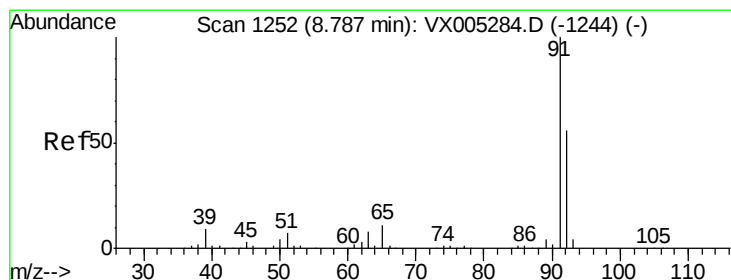
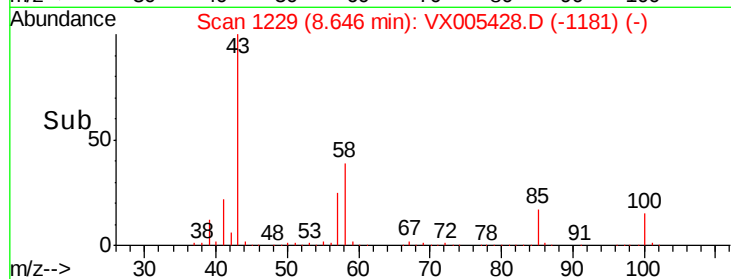
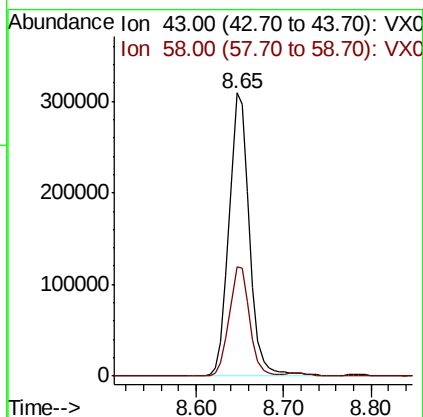
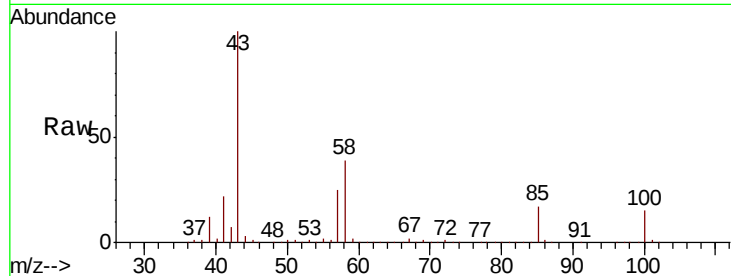




#51
4-Methyl-2-Pentanone
Concen: 101.397 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

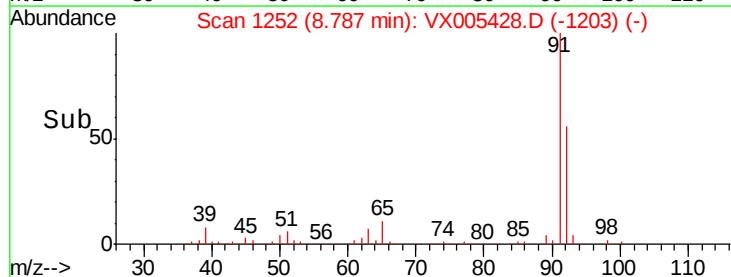
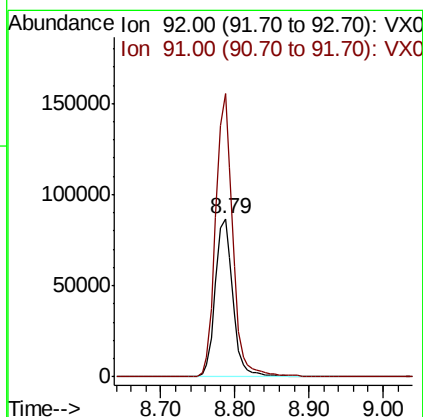
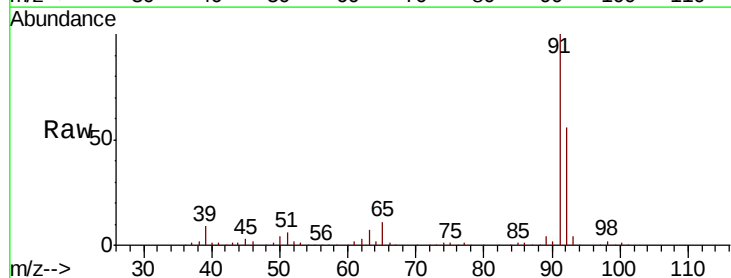
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

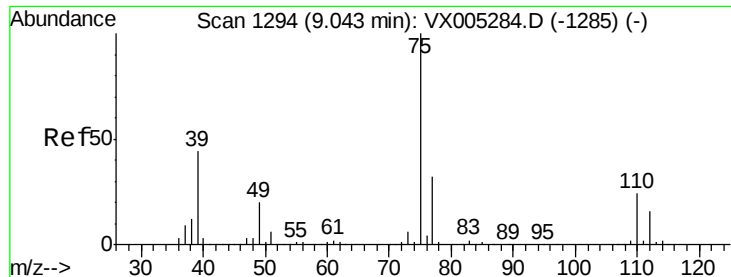
Tot Ion: 43 Resp: 504575
Ion Ratio Lower Upper
43 100
58 38.6 33.1 49.7



#52
Toluene
Concen: 20.505 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 92 Resp: 141175
Ion Ratio Lower Upper
92 100
91 174.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.608 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

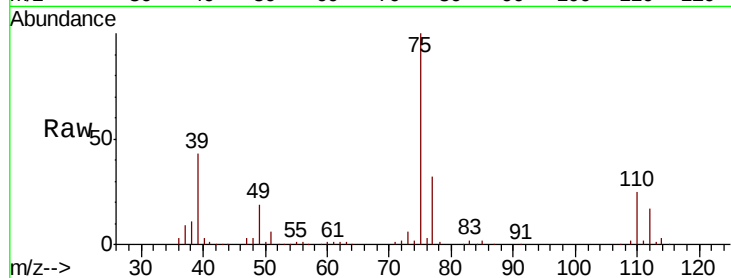
VX1018WBSD01

Tot Ion: 75 Resp: 79971

Ion Ratio Lower Upper

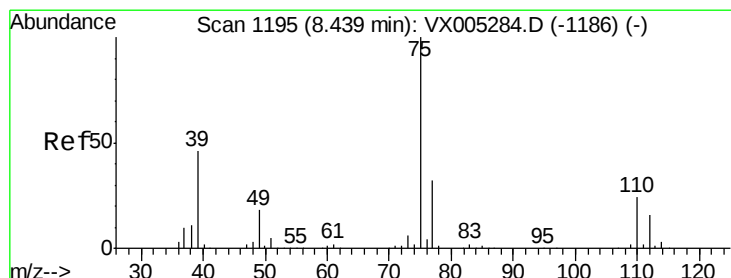
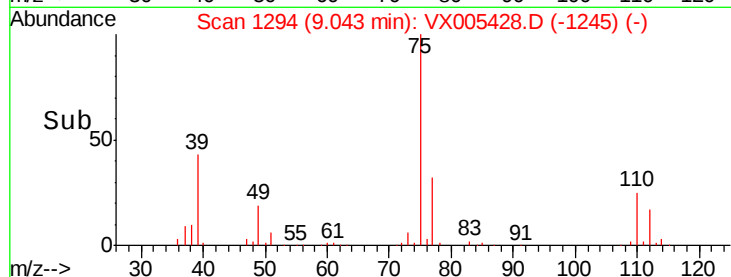
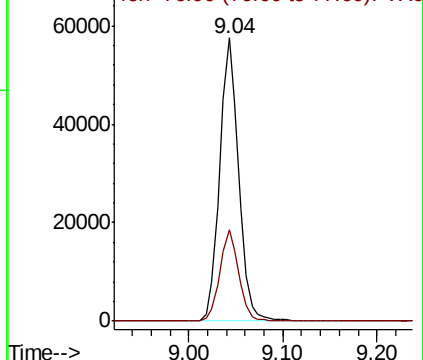
75 100

77 32.3 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: 20.049 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

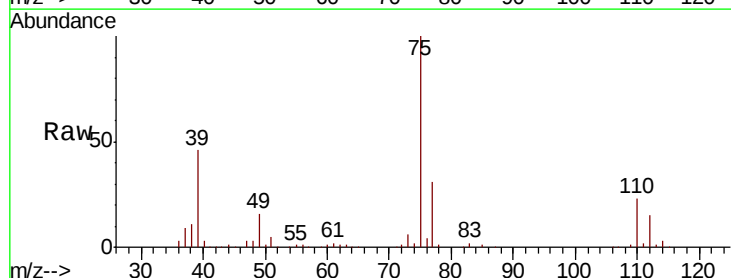
Tgt Ion: 75 Resp: 88603

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

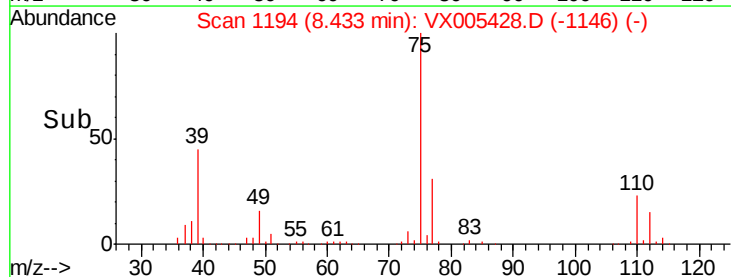
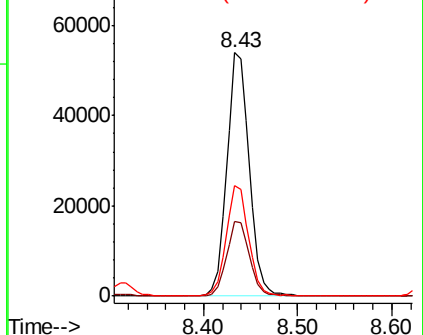
39 45.4 36.4 54.6

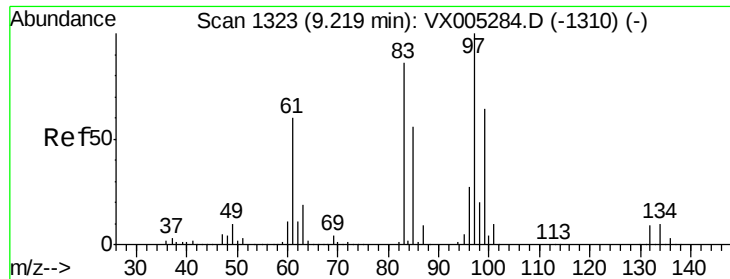


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.176 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 97 Resp: 58838

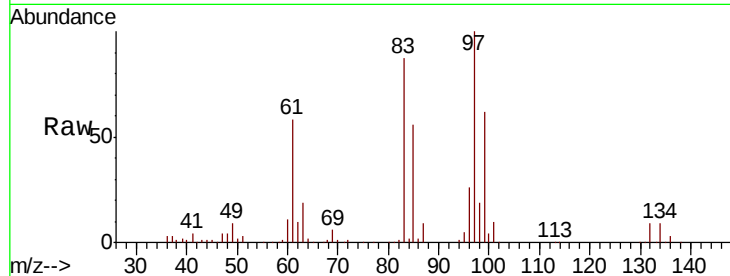
Ion Ratio Lower Upper

97 100

83 87.2 66.4 99.6

85 55.7 43.3 64.9

99 61.9 49.0 73.4

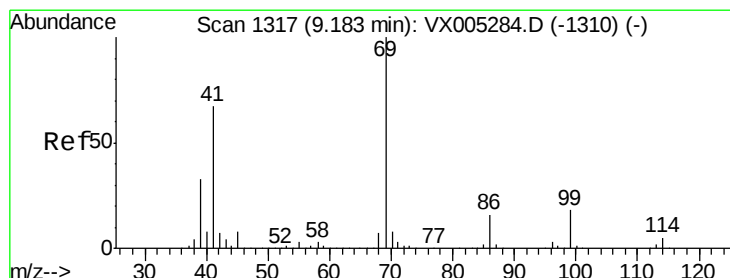
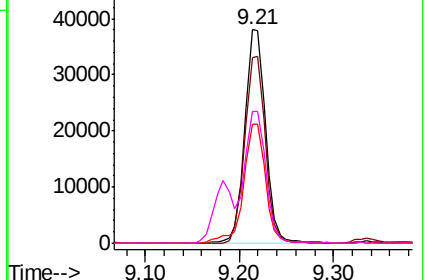
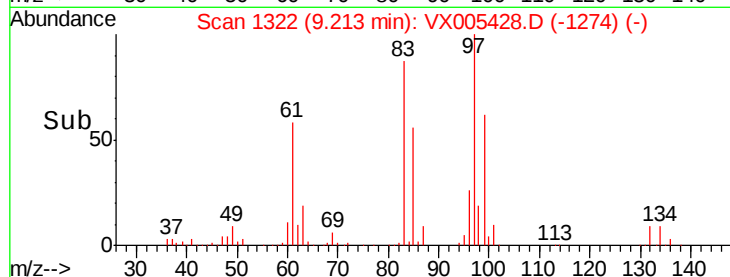


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 21.334 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

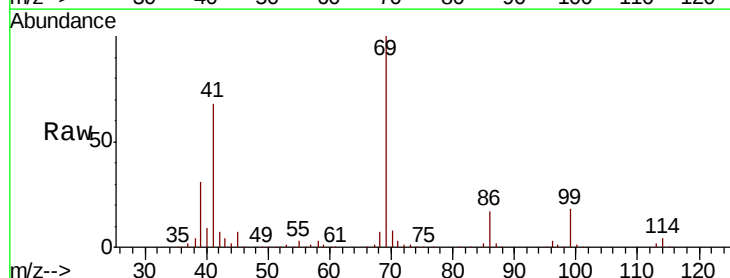
Tgt Ion: 69 Resp: 90694

Ion Ratio Lower Upper

69 100

41 67.6 51.0 76.4

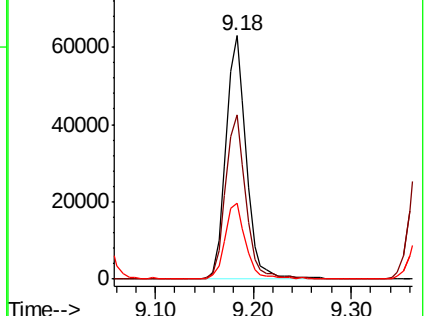
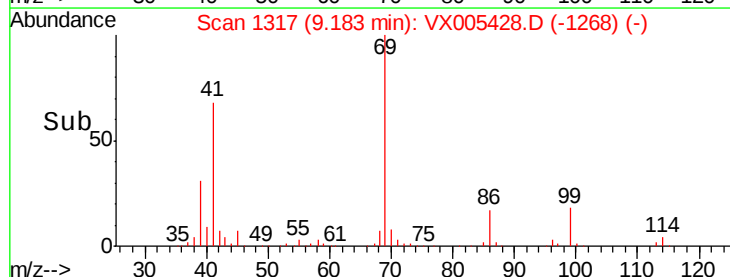
39 31.6 26.1 39.1

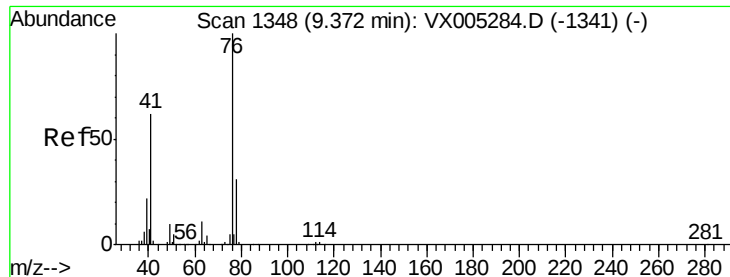


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.298 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

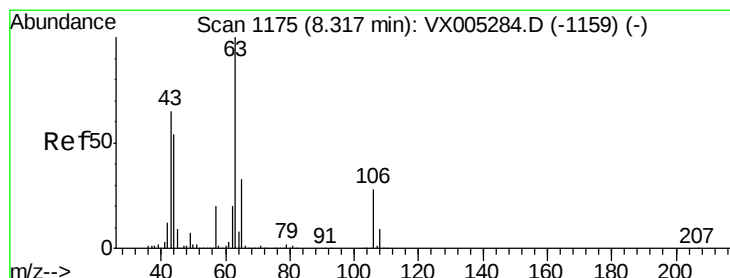
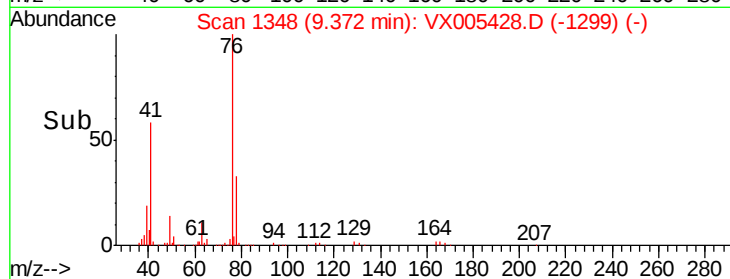
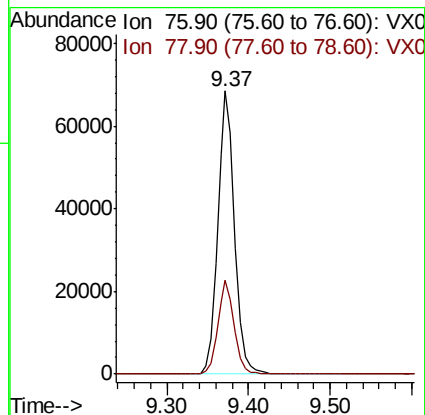
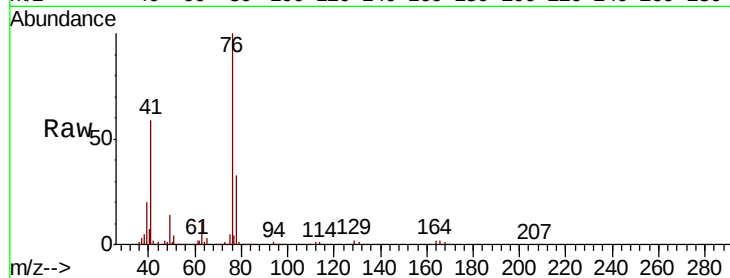
VX1018WBSD01

Tot Ion: 76 Resp: 98797

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 106.087 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005428.D

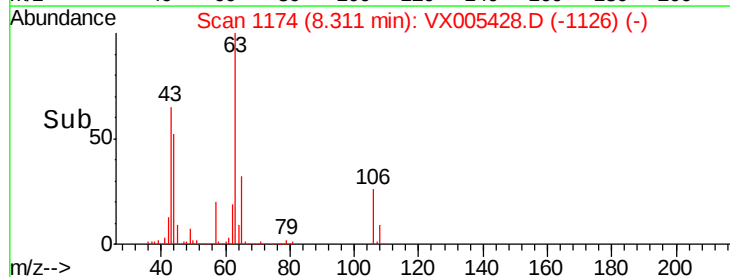
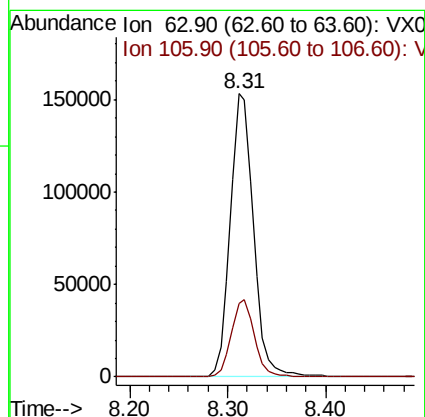
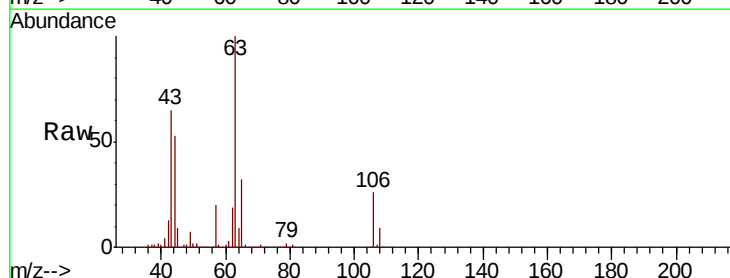
Acq: 18 Oct 2018 14:23

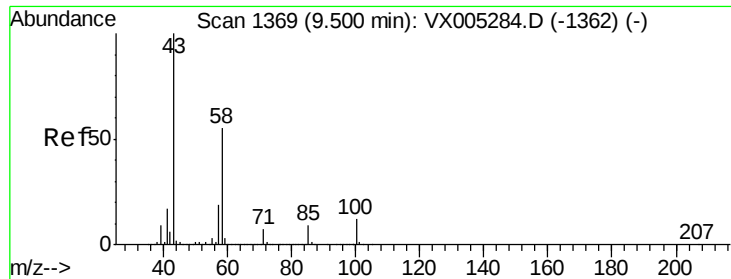
Tgt Ion: 63 Resp: 252927

Ion Ratio Lower Upper

63 100

106 27.4 23.9 35.9

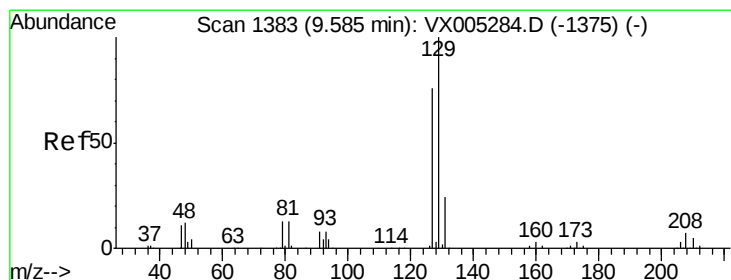
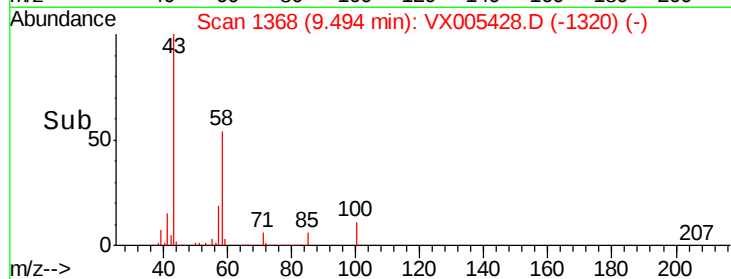
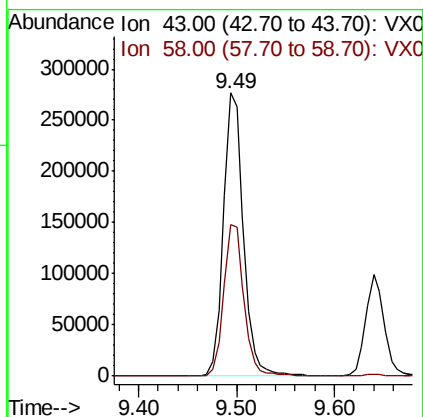
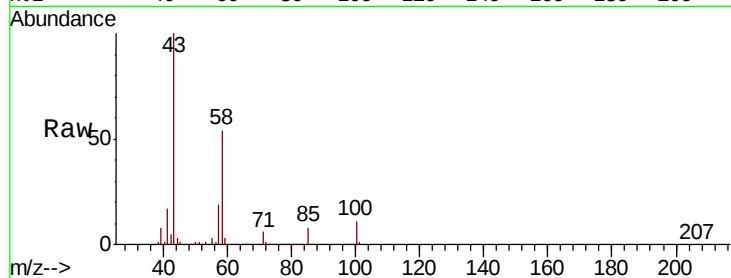




#59
2-Hexanone
Concen: 98.349 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

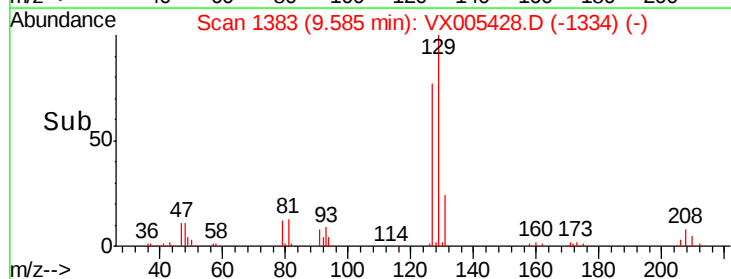
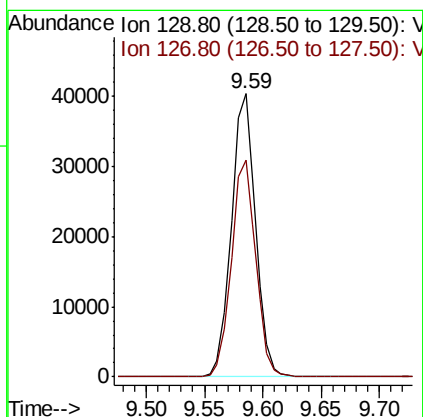
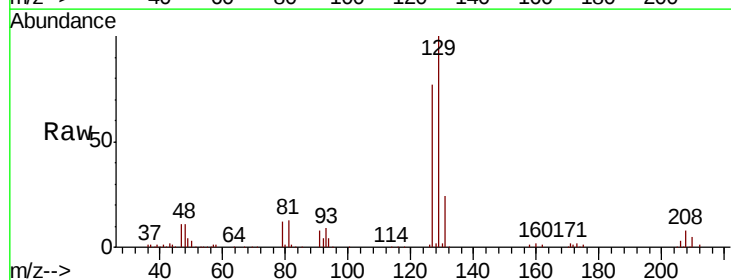
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

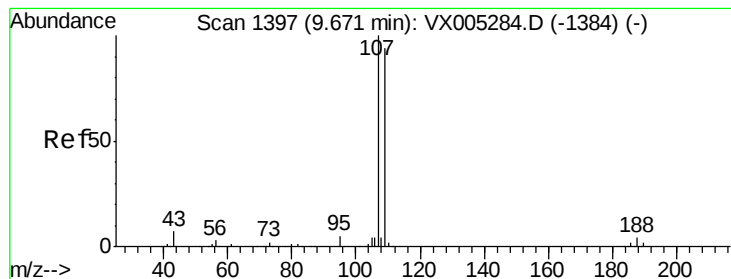
Tot Ion: 43 Resp: 393683
Ion Ratio Lower Upper
43 100
58 54.4 29.0 87.0



#60
Dibromochloromethane
Concen: 19.428 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 129 Resp: 58562
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.113 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

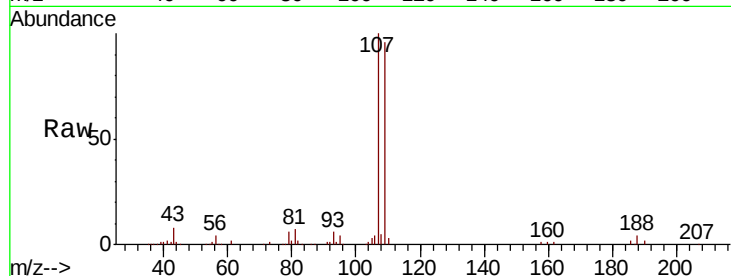
VX1018WBSD01

Tot Ion:107 Resp: 61556

Ion Ratio Lower Upper

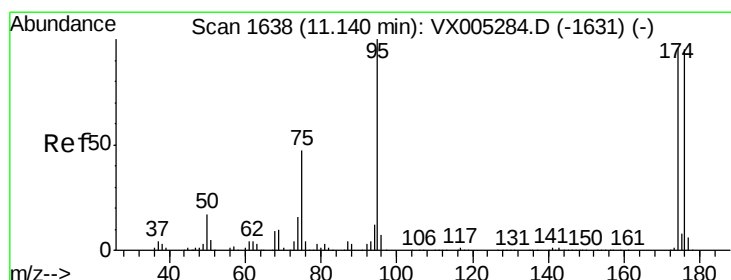
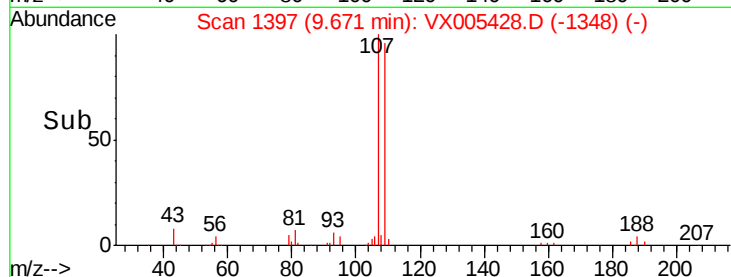
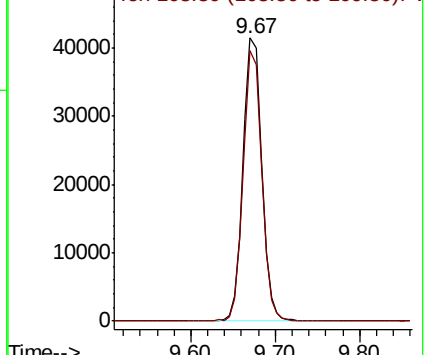
107 100

109 94.5 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: 51.059 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

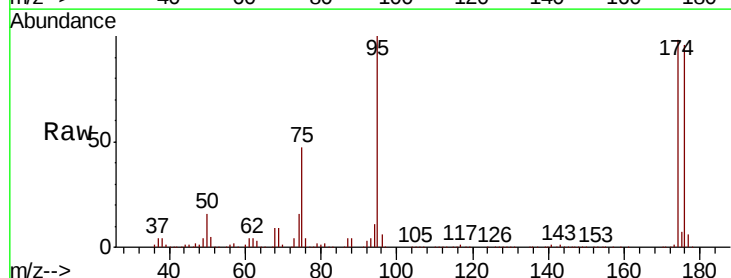
Tgt Ion: 95 Resp: 188919

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

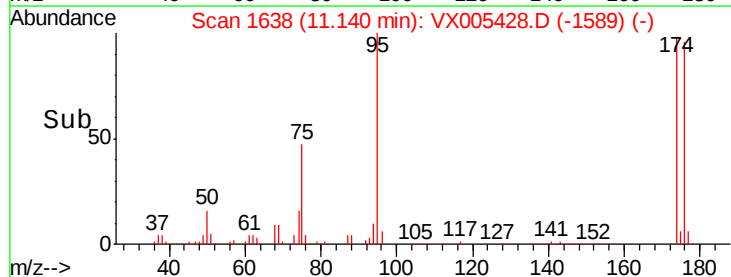
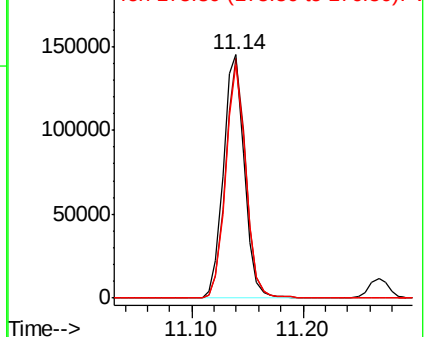
176 91.8 0.0 178.6



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

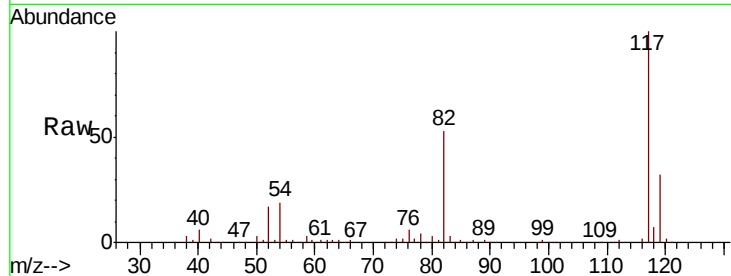




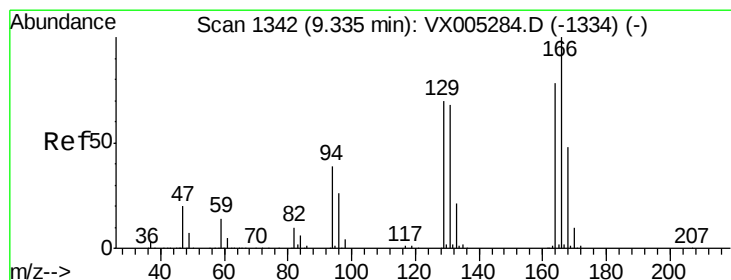
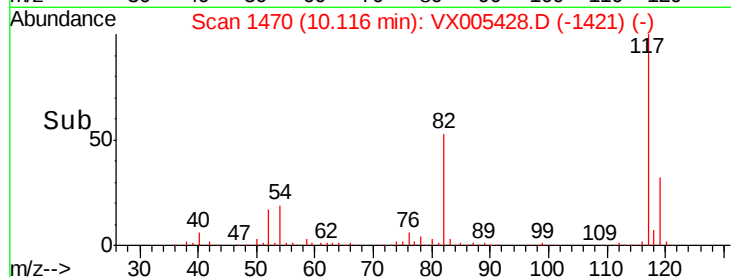
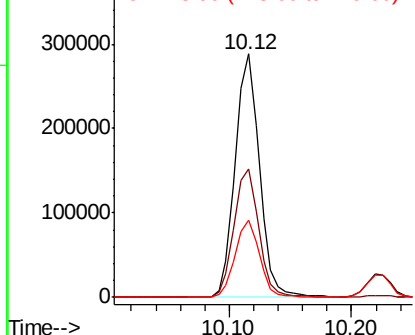
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion:117 Resp: 395801
Ion Ratio Lower Upper
117 100
82 52.9 47.8 71.6
119 31.8 29.3 43.9



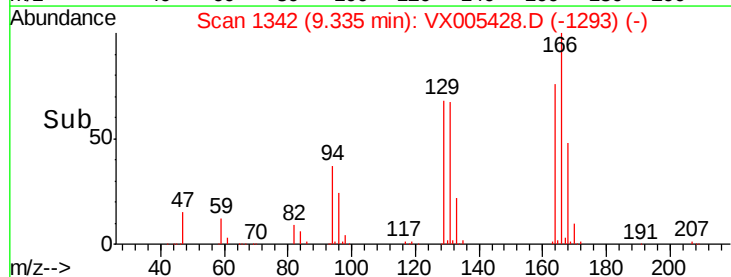
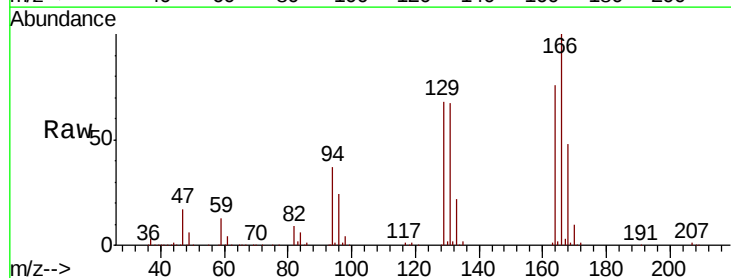
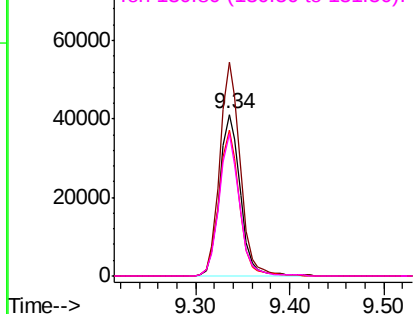
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.843 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion:164 Resp: 63229
Ion Ratio Lower Upper
164 100
166 132.3 102.8 154.2
129 90.2 69.4 104.0
131 88.3 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

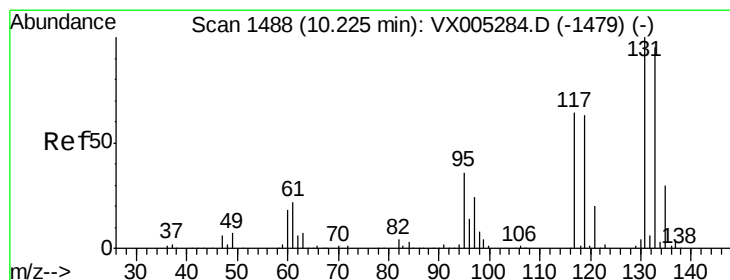
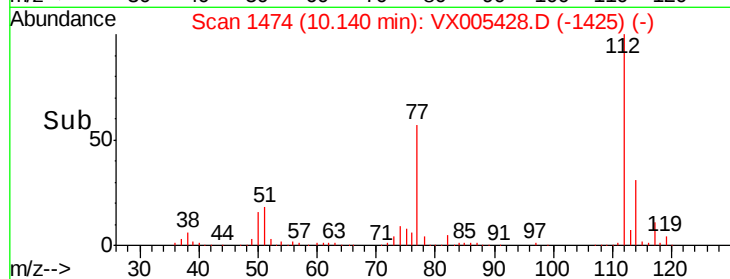
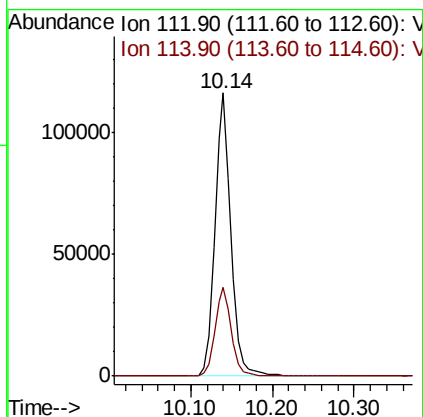
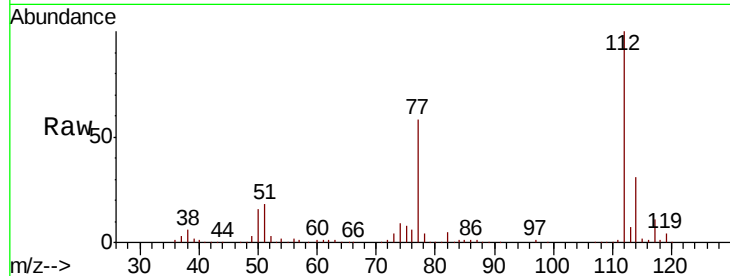




#65
Chlorobenzene
Concen: 19.052 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

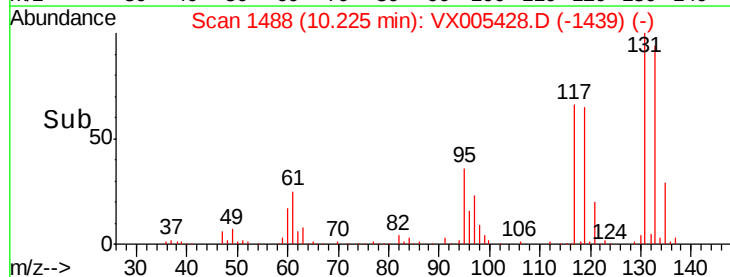
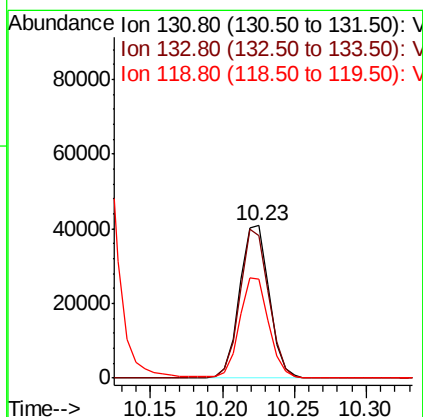
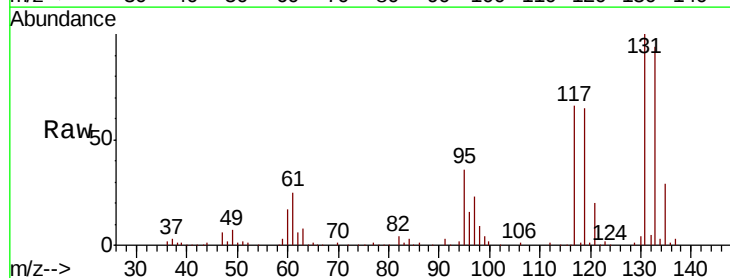
Instrument :
MSVOA_X
ClientSampled :
VX1018WBSD01

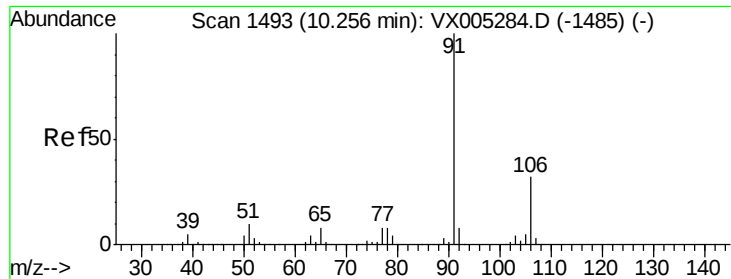
Tot Ion:112 Resp: 160399
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.391 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion:131 Resp: 58177
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.4
119 64.8 32.9 98.6

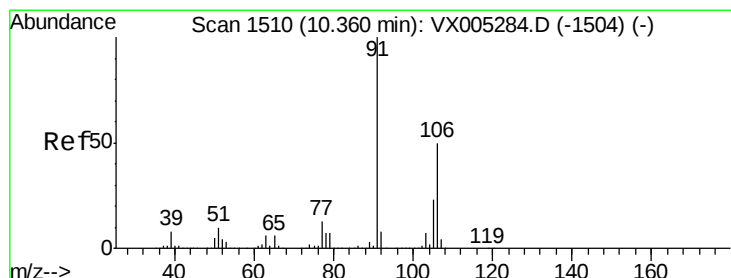
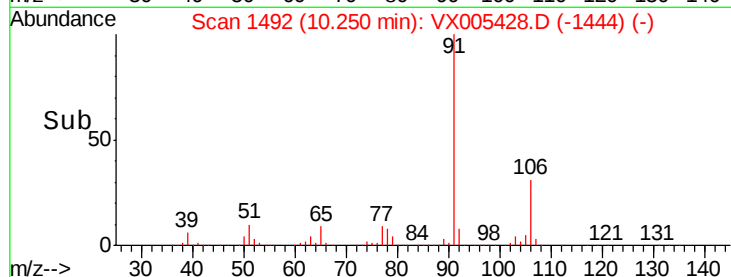
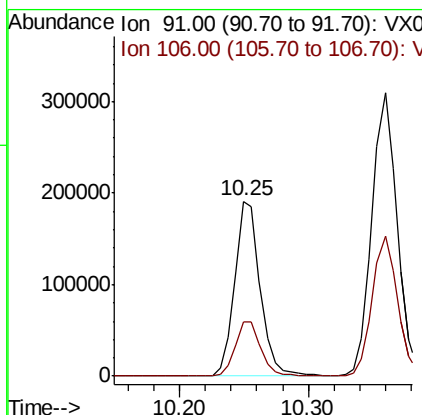
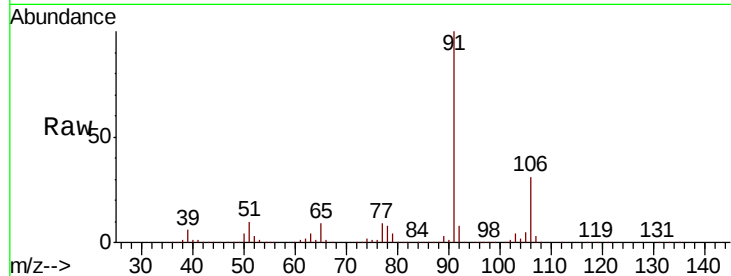




#67
Ethyl Benzene
Concen: 19.374 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

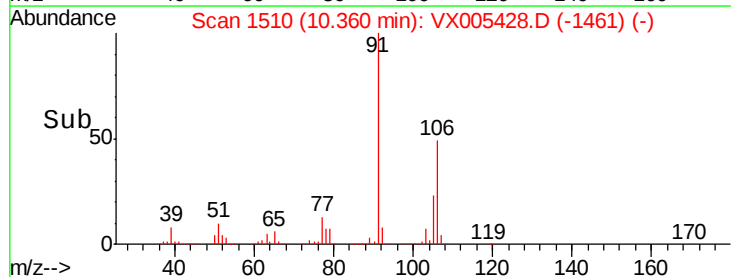
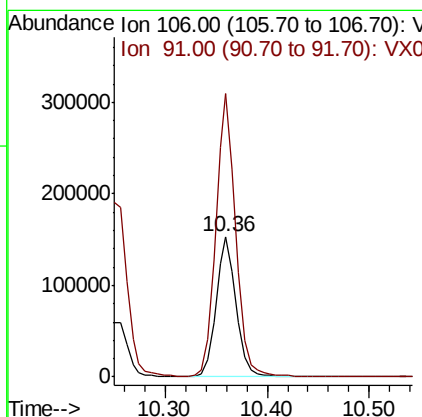
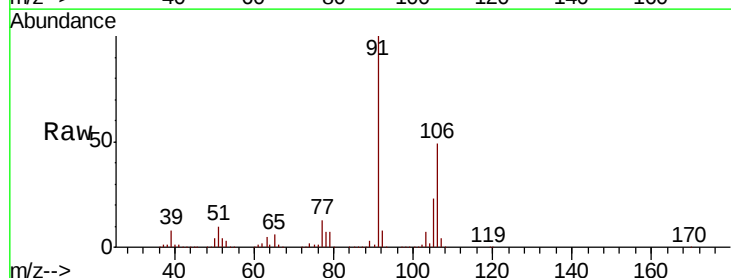
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

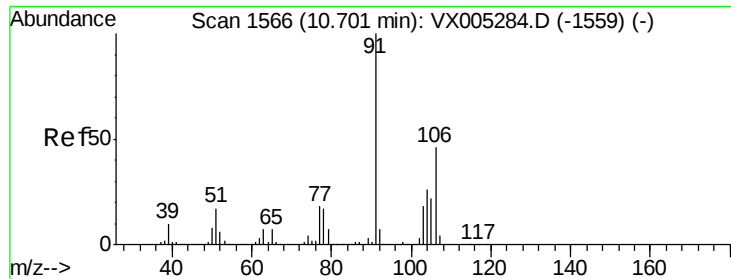
Tot Ion: 91 Resp: 265164
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9



#68
m/p-Xylenes
Concen: 39.311 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 106 Resp: 208834
Ion Ratio Lower Upper
106 100
91 202.6 157.1 235.7

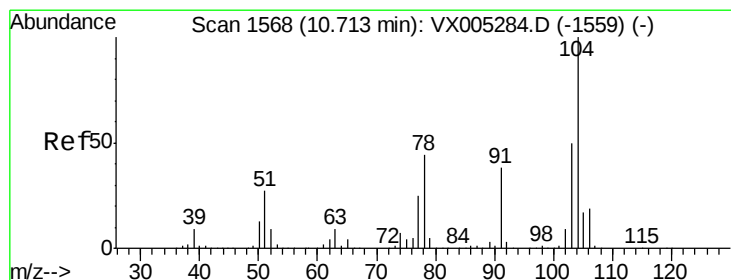
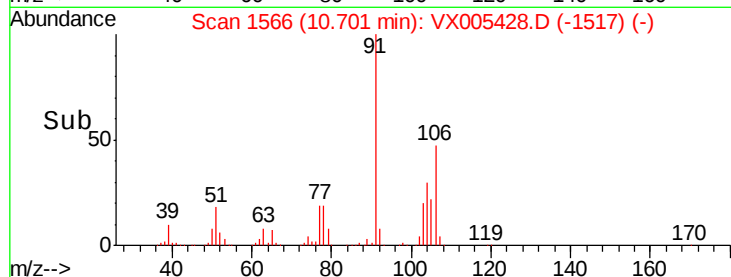
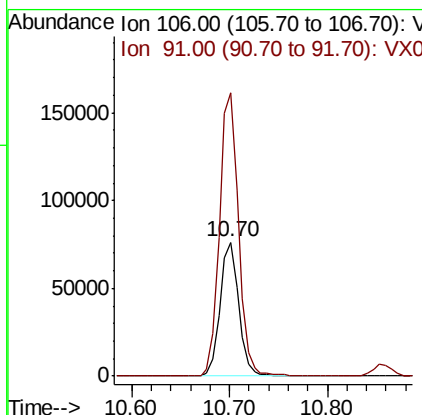
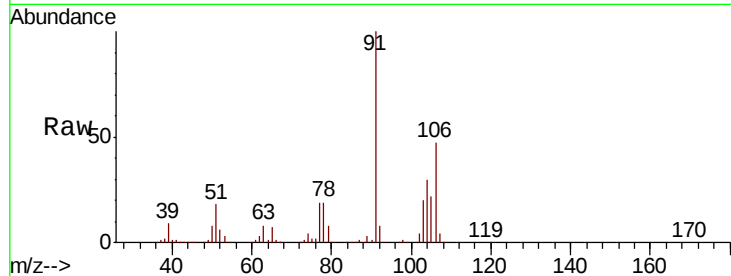




#69
o-Xylene
Concen: 19.706 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

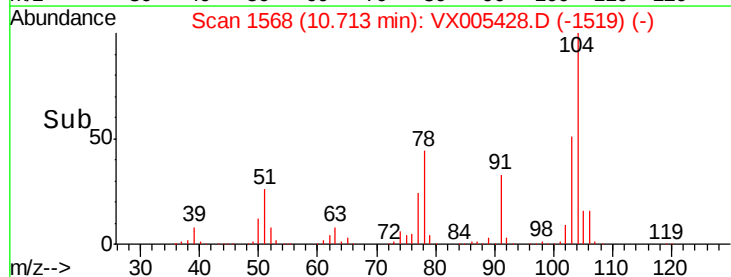
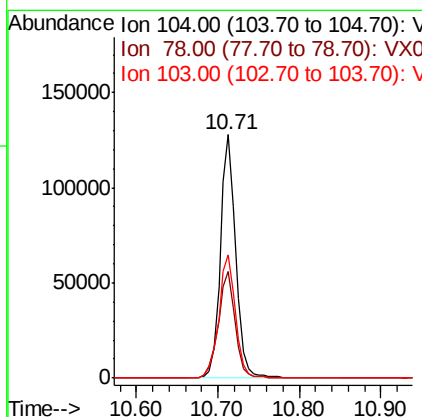
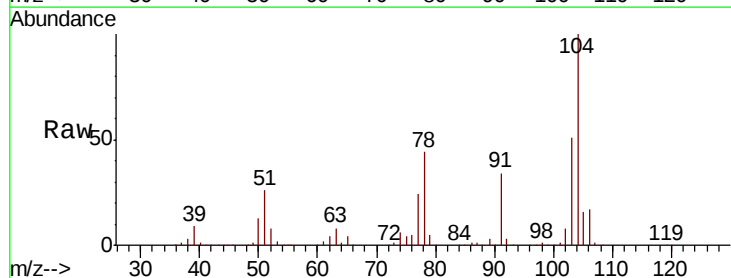
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion:106 Resp: 100960
Ion Ratio Lower Upper
106 100
91 215.4 105.1 315.1



#70
Styrene
Concen: 19.976 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion:104 Resp: 168337
Ion Ratio Lower Upper
104 100
78 48.7 37.4 56.0
103 55.6 43.8 65.6





#71

Bromoform

Concen: 17.780 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

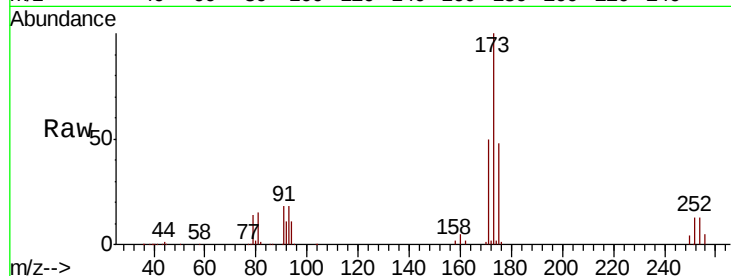
Tot Ion:173 Resp: 47670

Ion Ratio Lower Upper

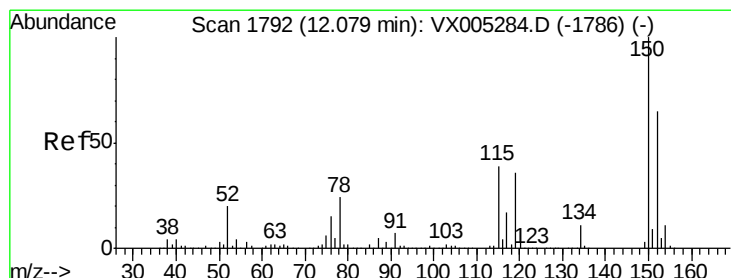
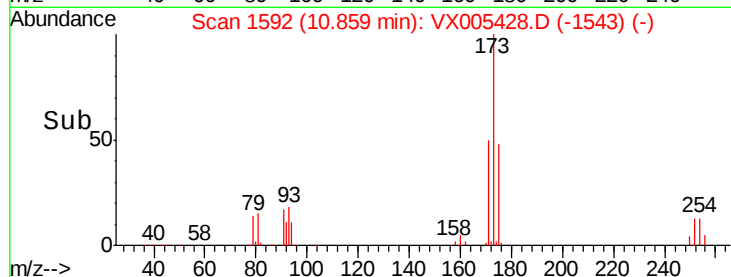
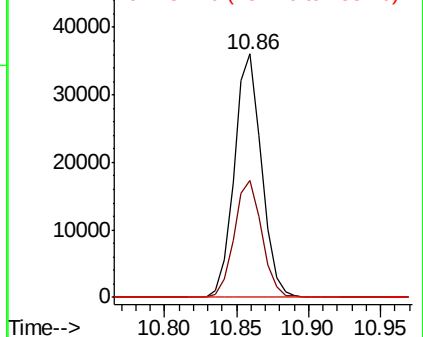
173 100

175 48.9 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

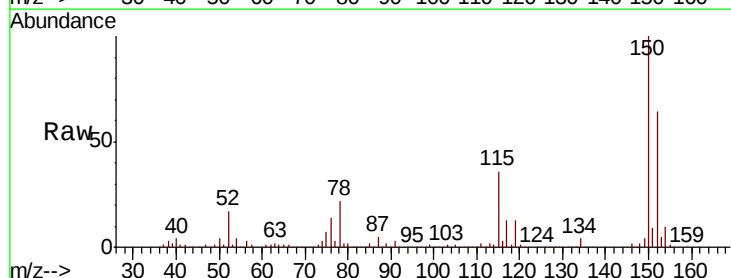
Tgt Ion:152 Resp: 214891

Ion Ratio Lower Upper

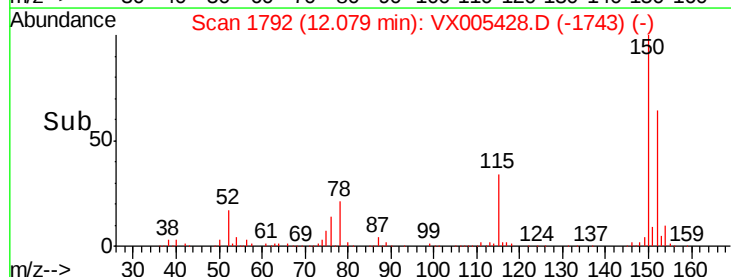
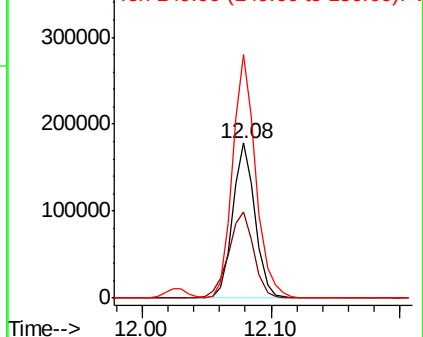
152 100

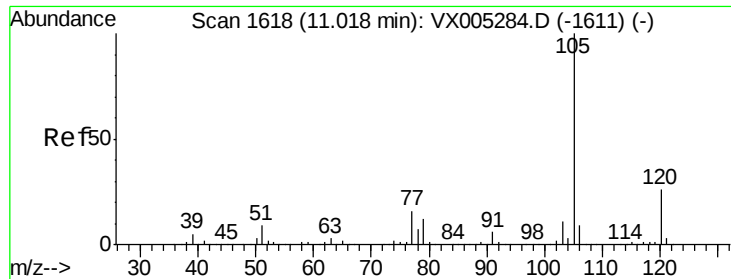
115 63.6 39.0 117.0

150 163.3 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: 21.771 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

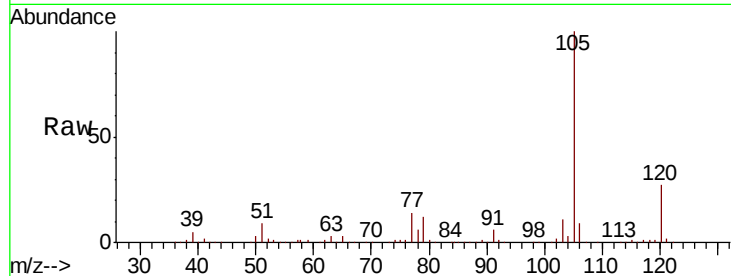
VX1018WBSD01

Tot Ion:105 Resp: 278115

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

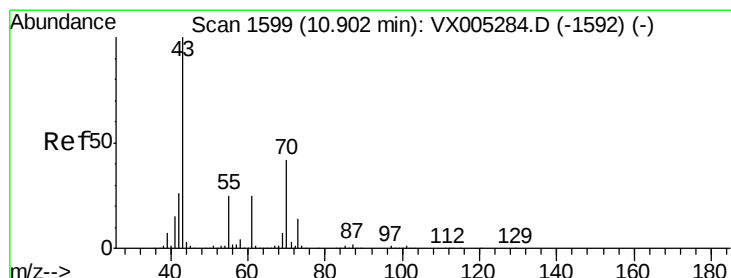
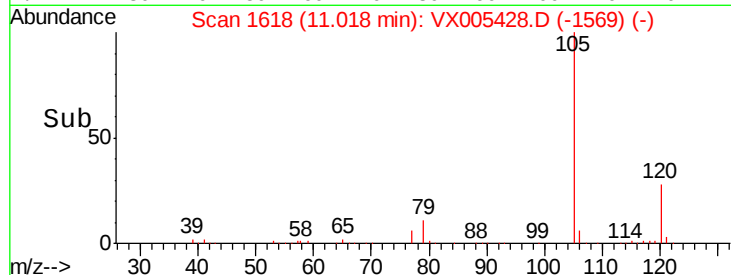
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.434 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion: 43 Resp: 125901

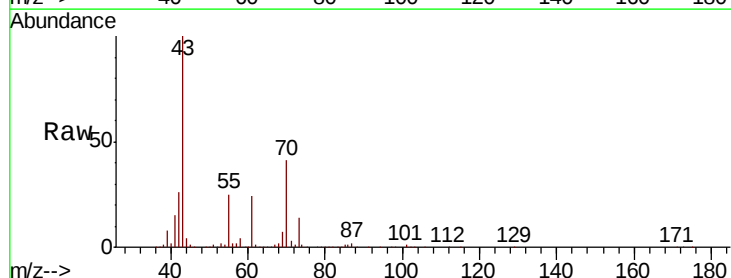
Ion Ratio Lower Upper

43 100

70 42.4 37.4 56.0

55 25.7 21.8 32.8

61 24.2 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

150000

100000

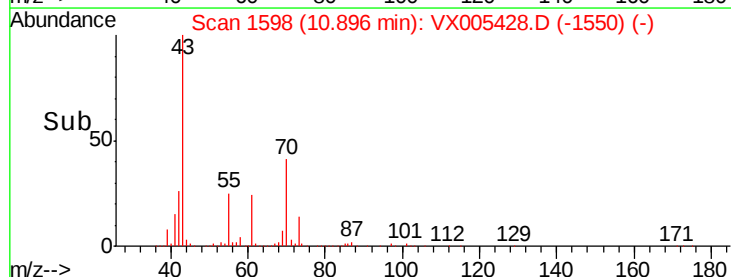
50000

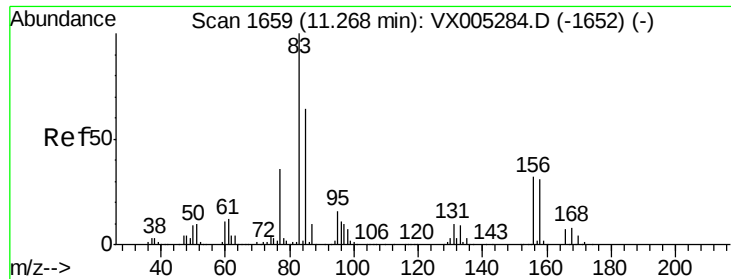
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.546 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

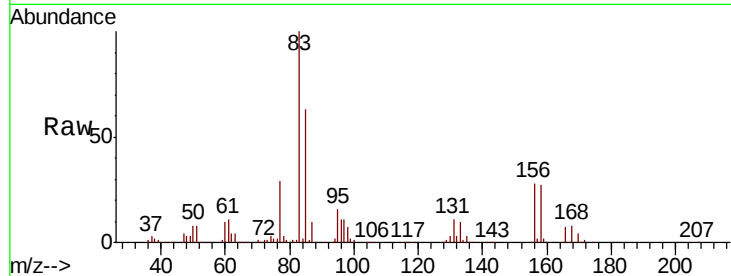
Tot Ion: 83 Resp: 94190

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

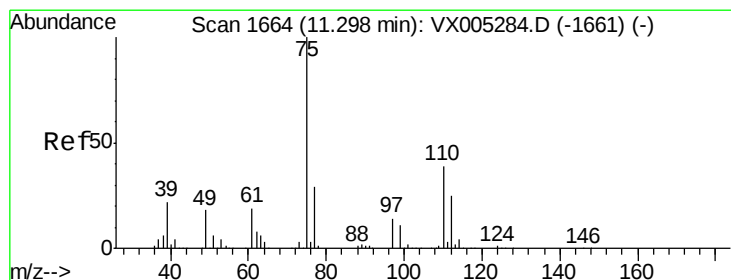
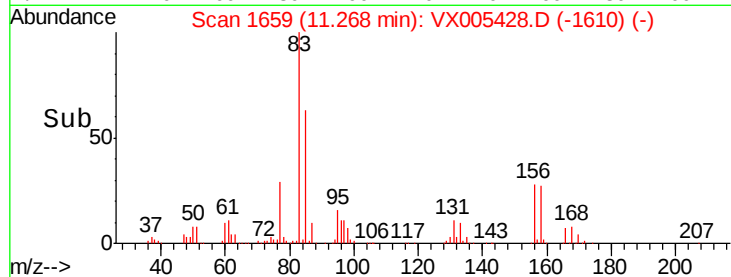
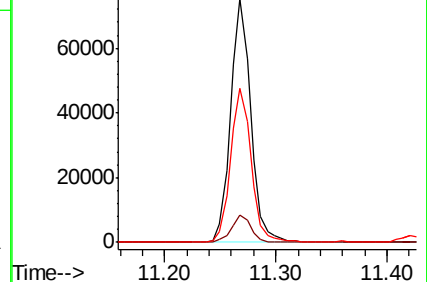
85 64.8 32.3 96.8



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: 25.955 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005428.D

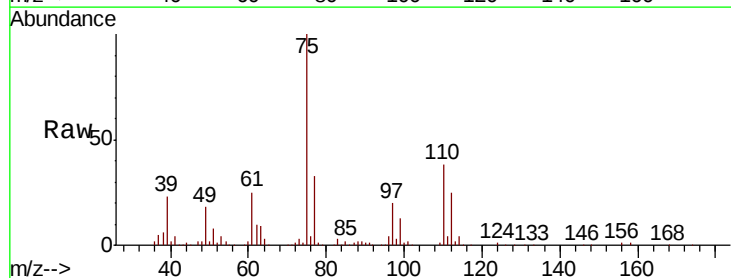
Acq: 18 Oct 2018 14:23

Tgt Ion: 75 Resp: 108186

Ion Ratio Lower Upper

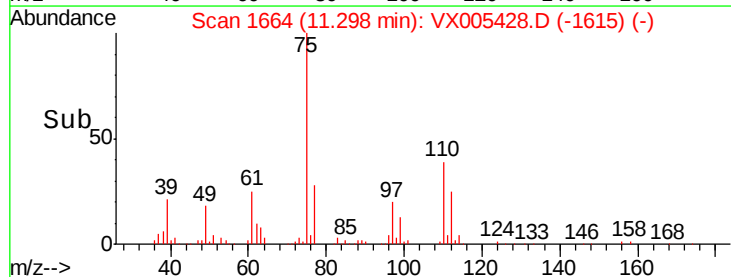
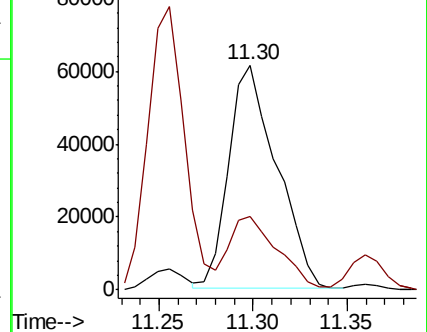
75 100

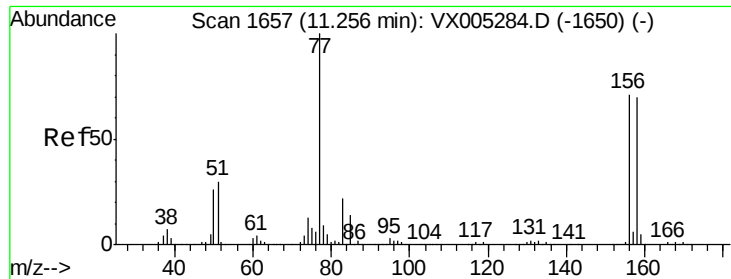
77 32.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.499 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

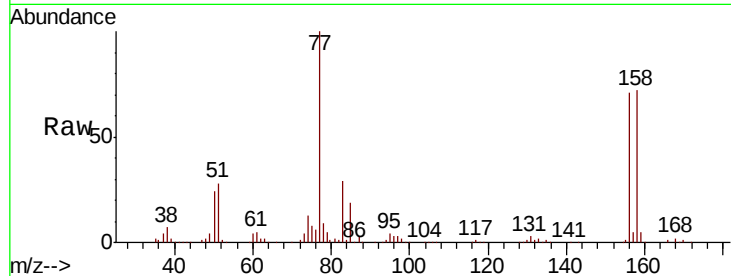
Tot Ion:156 Resp: 74875

Ion Ratio Lower Upper

156 100

77 141.8 71.5 214.3

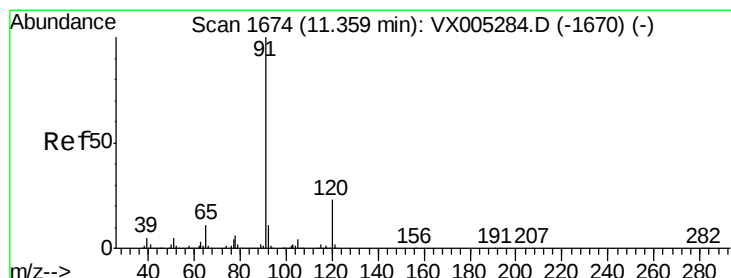
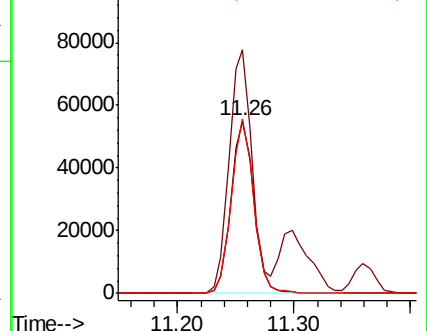
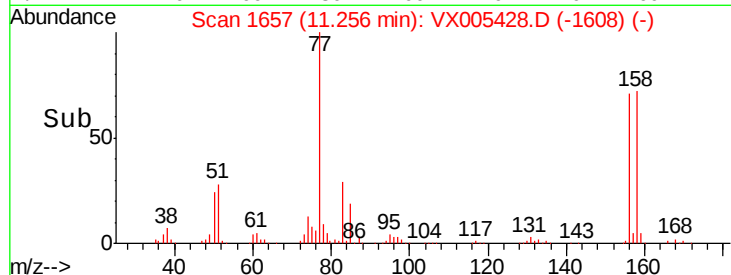
158 99.4 48.9 146.8



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: 21.132 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005428.D

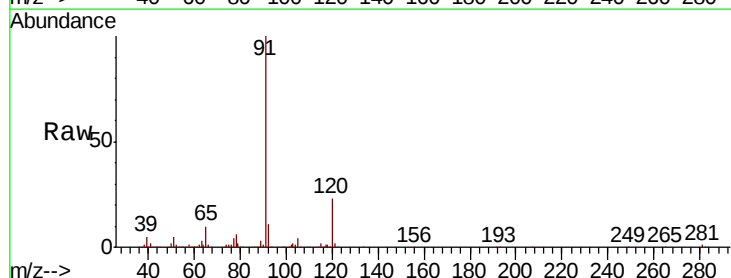
Acq: 18 Oct 2018 14:23

Tgt Ion: 91 Resp: 310642

Ion Ratio Lower Upper

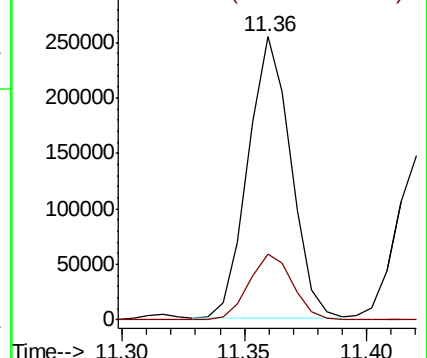
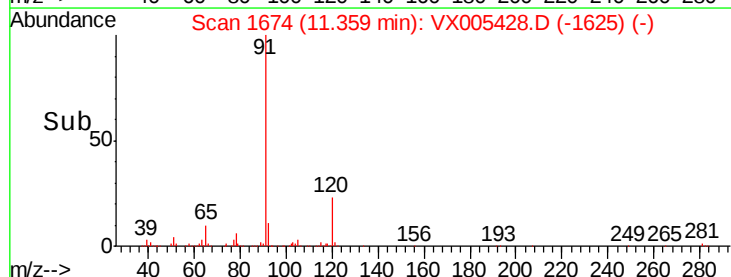
91 100

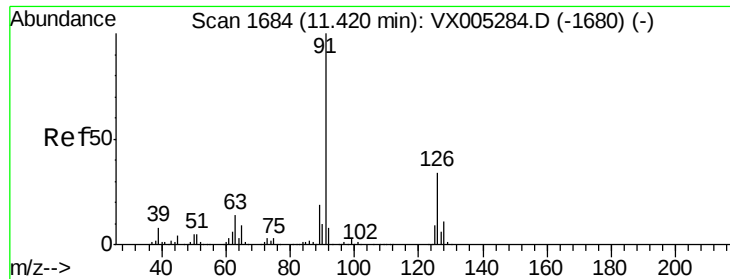
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

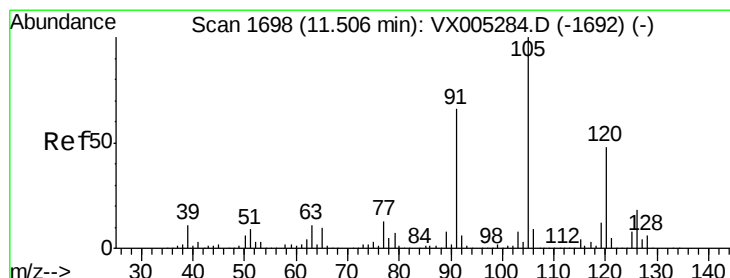
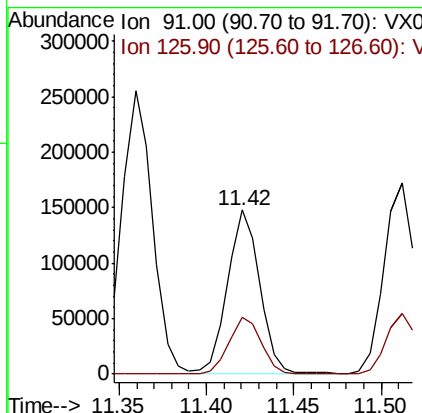
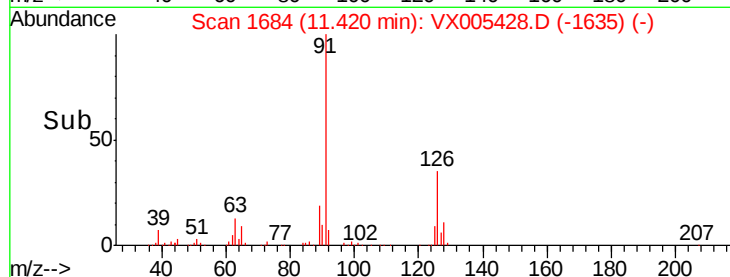
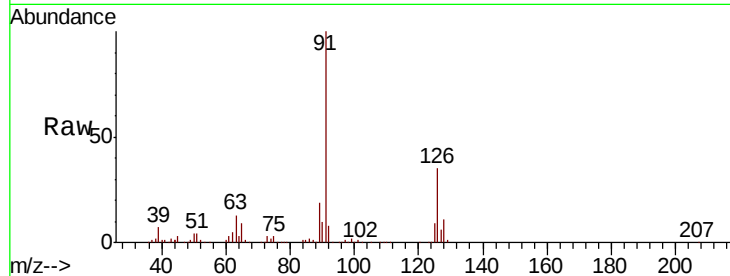




#79
 2-Chlorotoluene
 Concen: 20.799 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

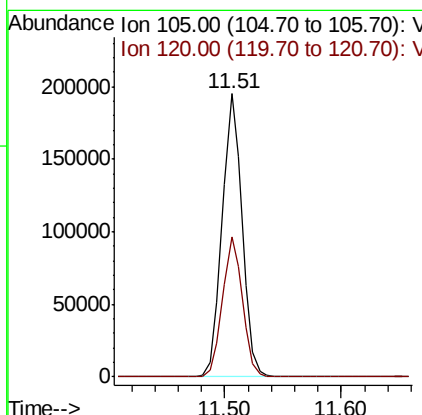
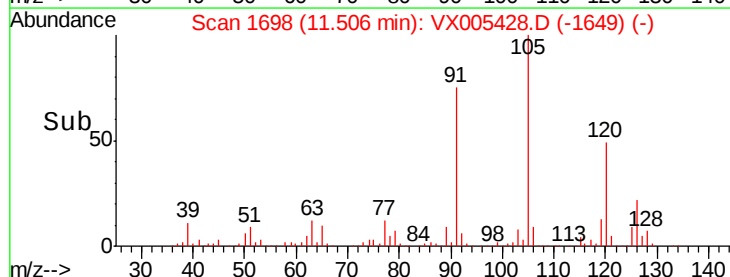
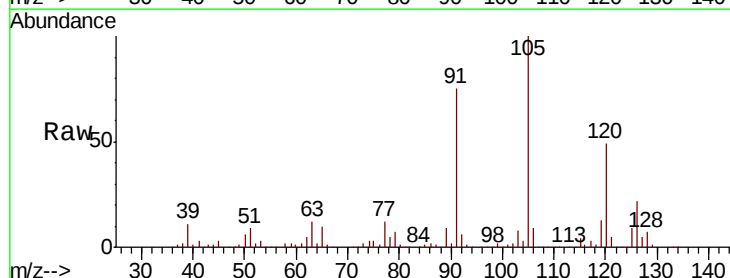
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

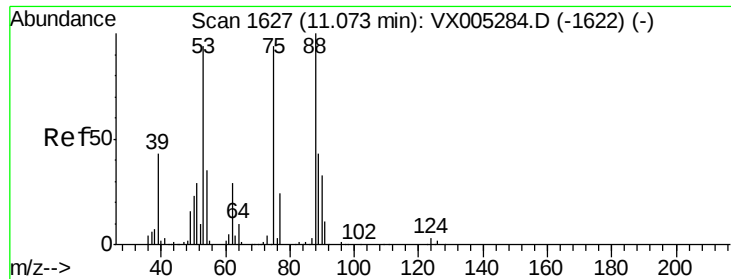
Tot Ion: 91 Resp: 187251
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.055 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 105 Resp: 230329
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.926 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

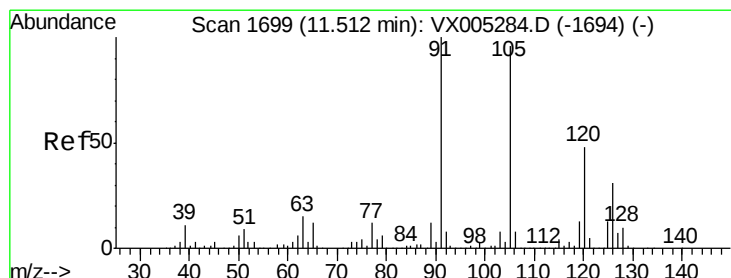
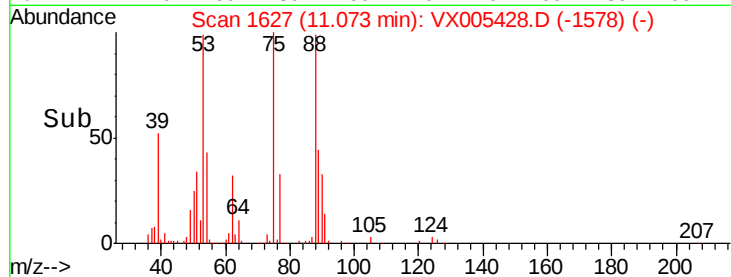
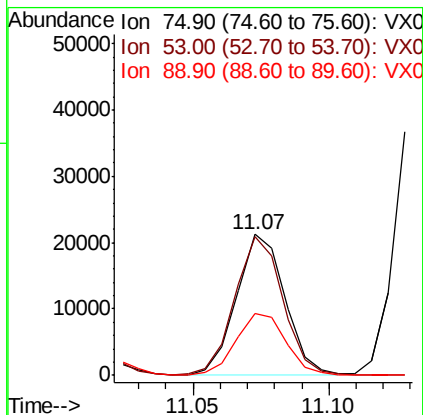
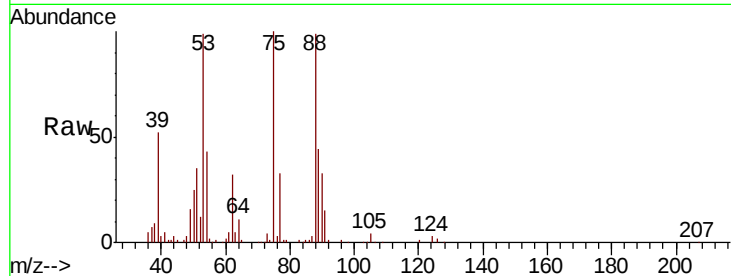
Tot Ion: 75 Resp: 25963

Ion Ratio Lower Upper

75 100

53 98.8 80.1 120.1

89 45.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.453 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005428.D

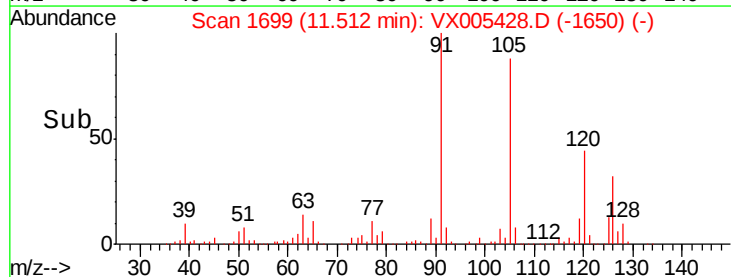
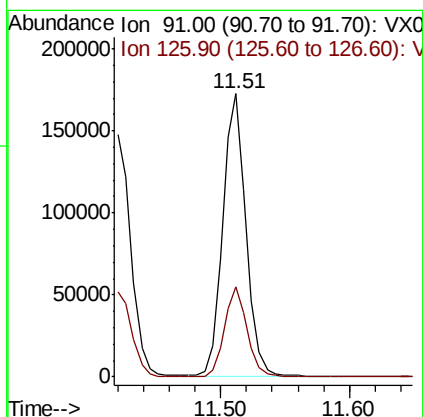
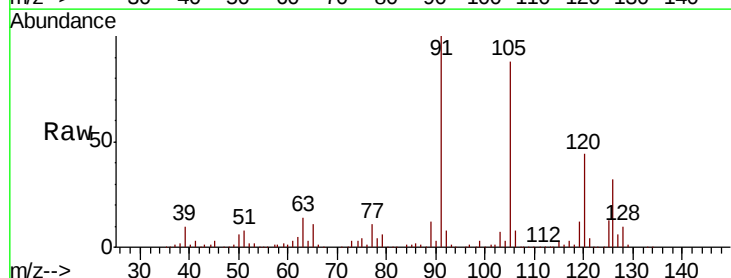
Acq: 18 Oct 2018 14:23

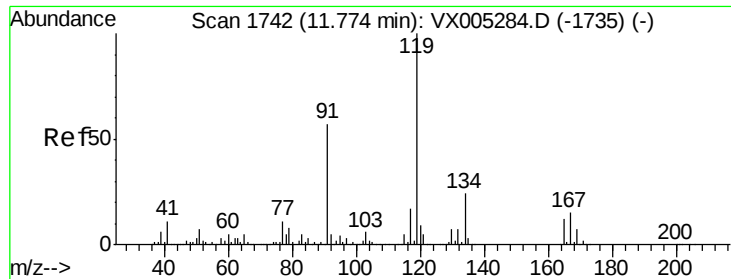
Tgt Ion: 91 Resp: 218284

Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5

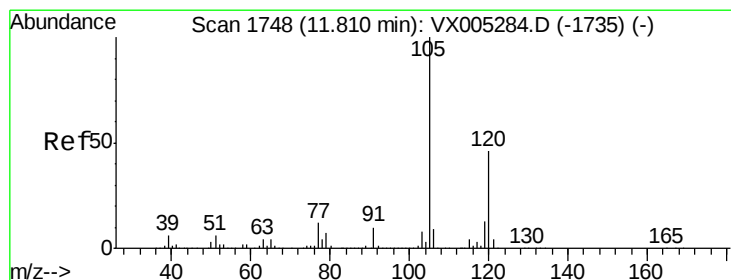
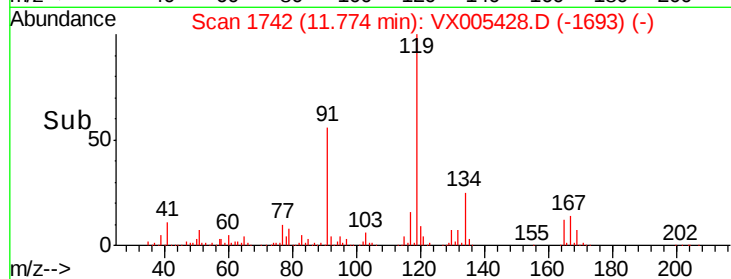
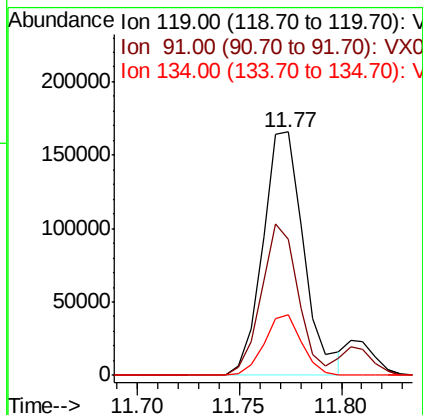
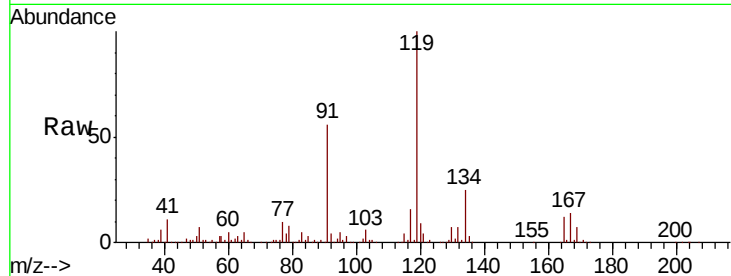




#83
tert-Butylbenzene
Concen: 20.987 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

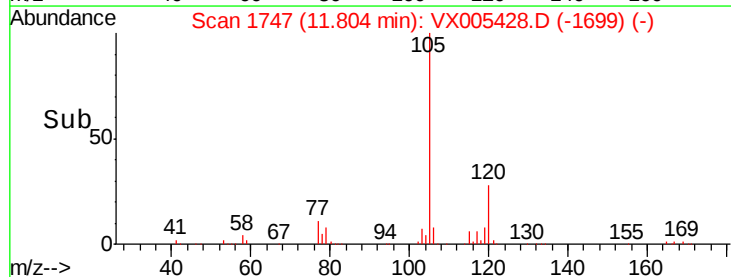
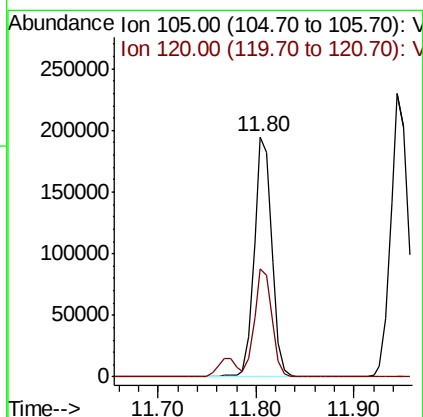
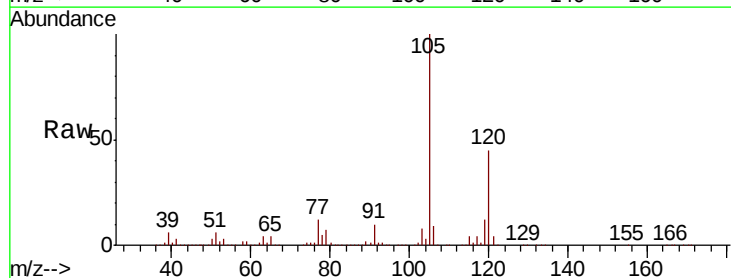
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

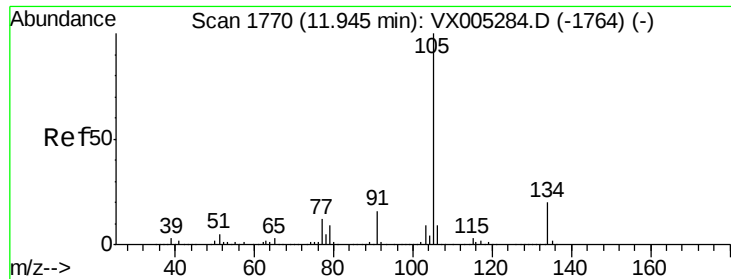
Tot Ion:119 Resp: 232496
Ion Ratio Lower Upper
119 100
91 56.1 27.0 81.0
134 23.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 21.446 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion:105 Resp: 241436
Ion Ratio Lower Upper
105 100
120 44.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

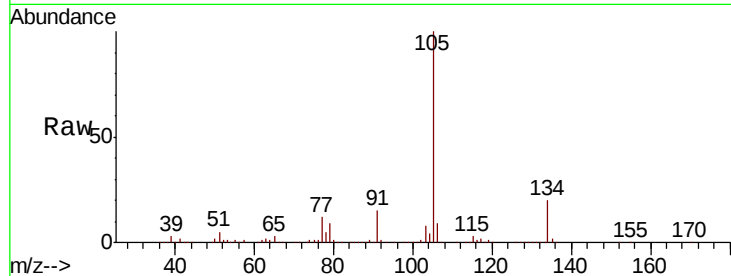
VX1018WBSD01

Tot Ion:105 Resp: 281779

Ion Ratio Lower Upper

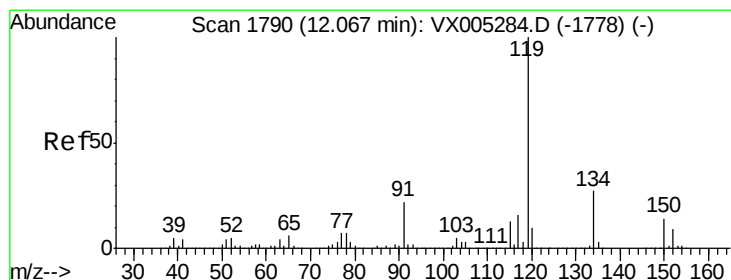
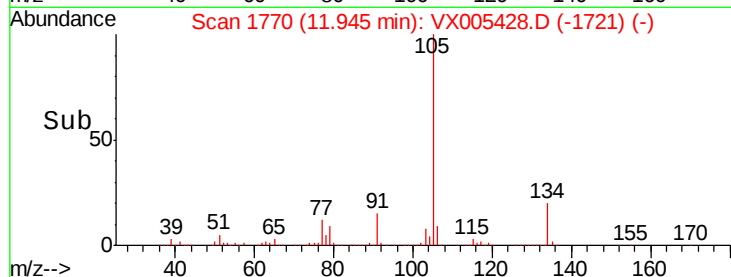
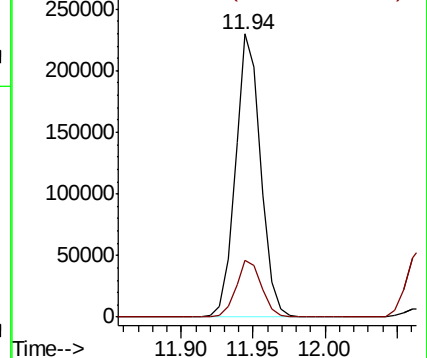
105 100

134 20.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.200 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

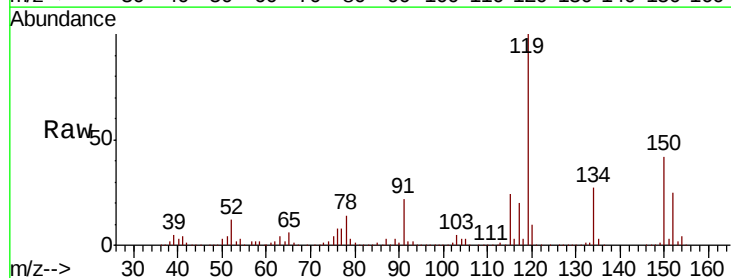
Tgt Ion:119 Resp: 251207

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

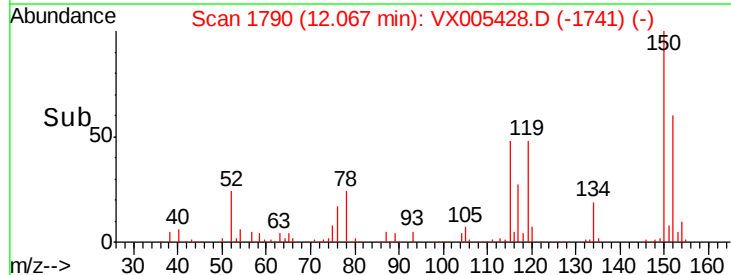
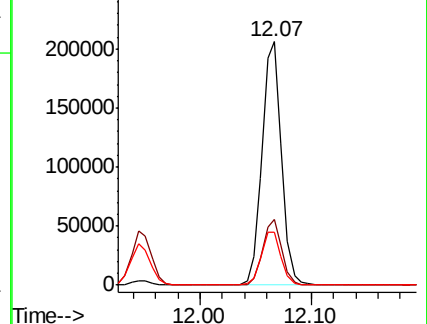
91 22.2 10.9 32.7

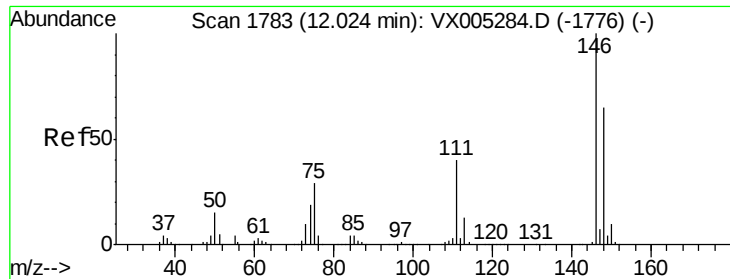


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

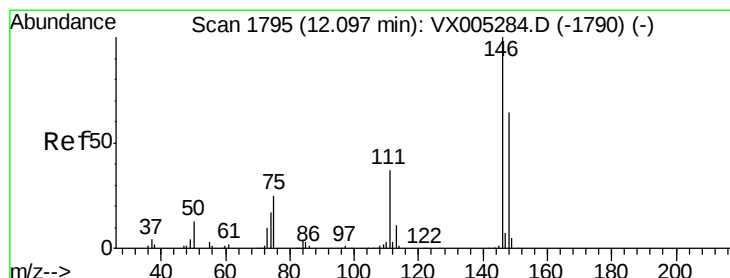
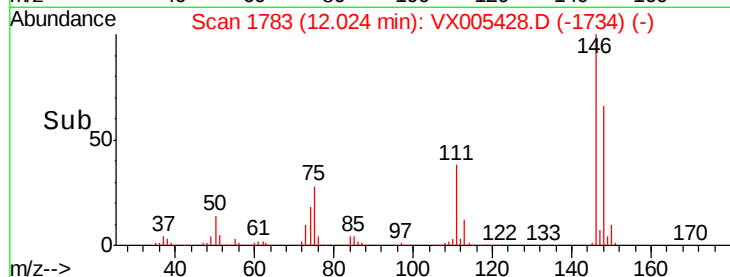
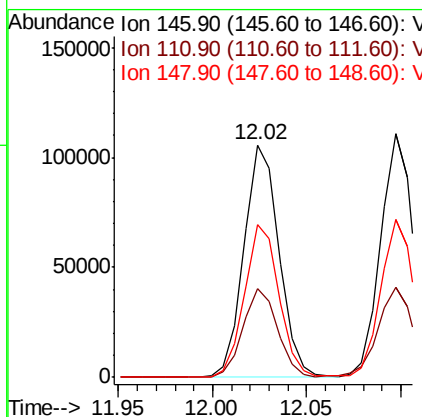
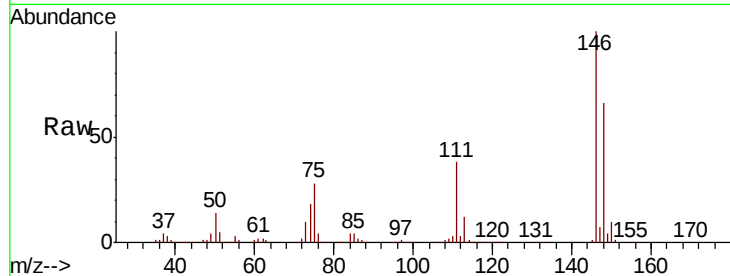




#87
 1,3-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

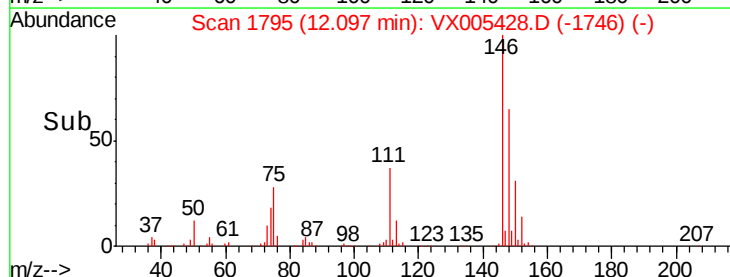
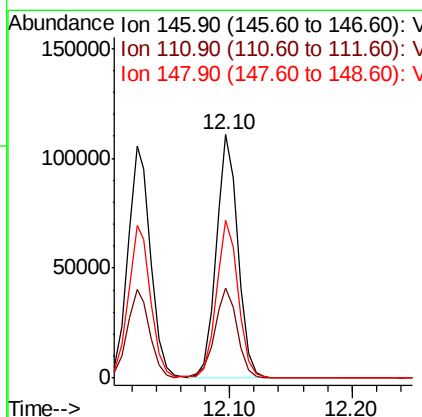
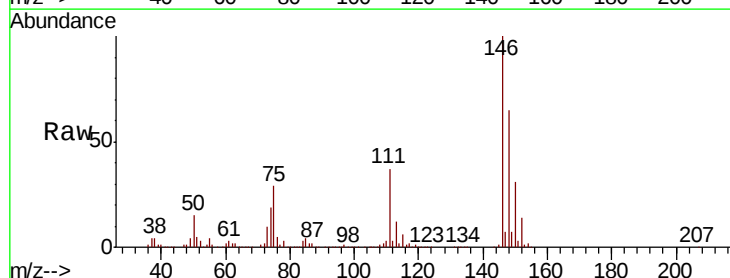
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

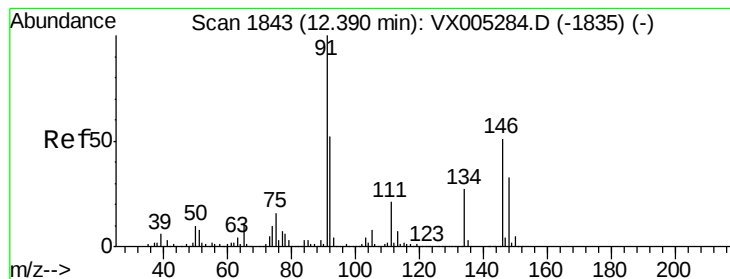
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.7	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.622 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	65.4	32.0	96.0





#89

n-Butylbenzene

Concen: 19.962 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

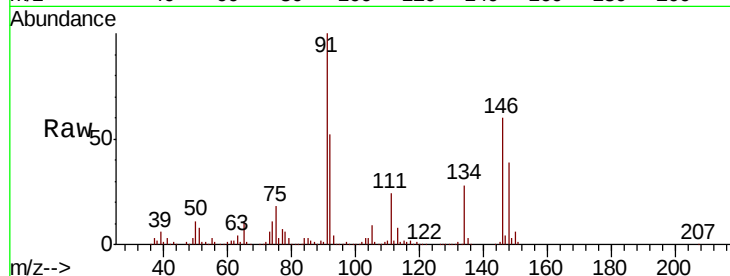
Tot Ion: 91 Resp: 214761

Ion Ratio Lower Upper

91 100

92 52.2 27.3 81.9

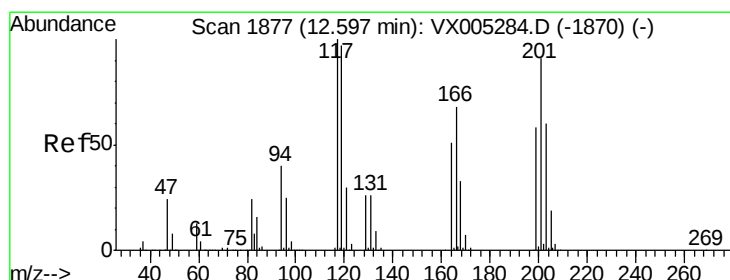
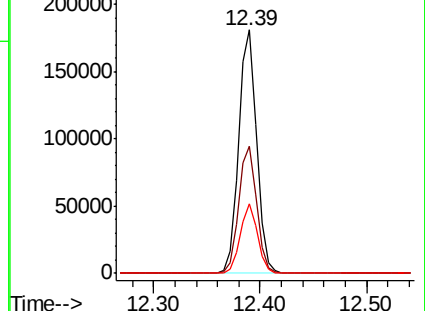
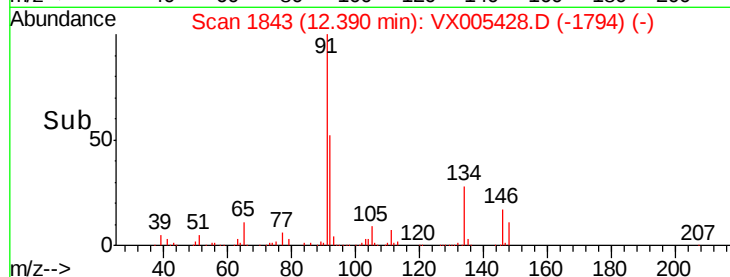
134 27.4 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX005428.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX005428.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX005428.D (-1835) (-)



#90

Hexachloroethane

Concen: 18.564 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005428.D

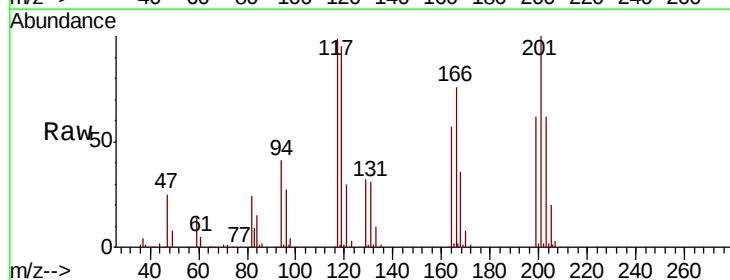
Acq: 18 Oct 2018 14:23

Tgt Ion: 117 Resp: 37909

Ion Ratio Lower Upper

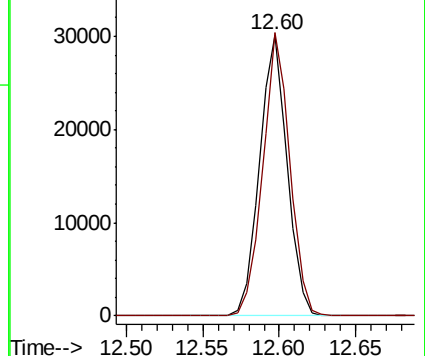
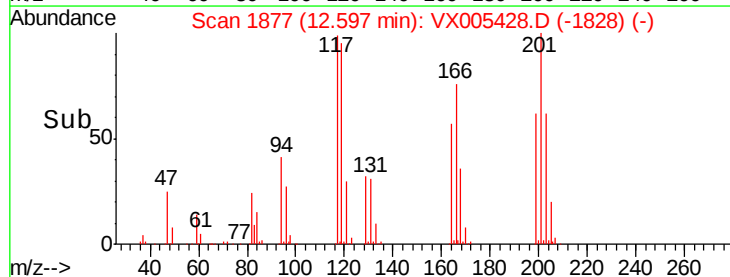
117 100

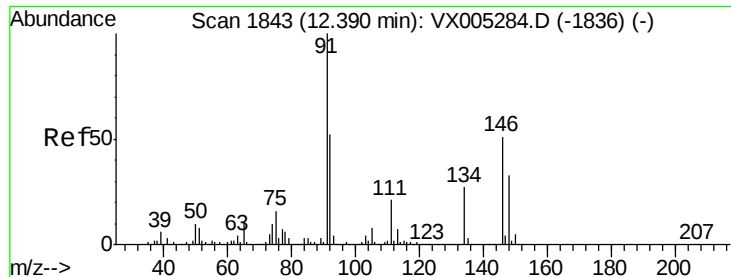
201 98.8 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX005428.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005428.D (-1870) (-)





#91

1,2-Dichlorobenzene

Concen: 19.833 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

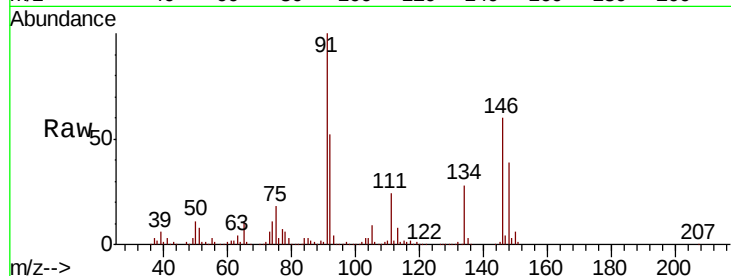
Tot Ion:146 Resp: 138136

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

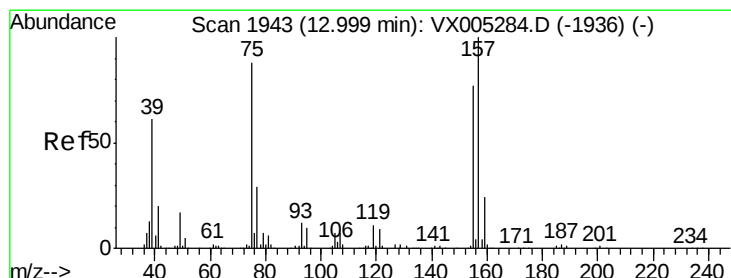
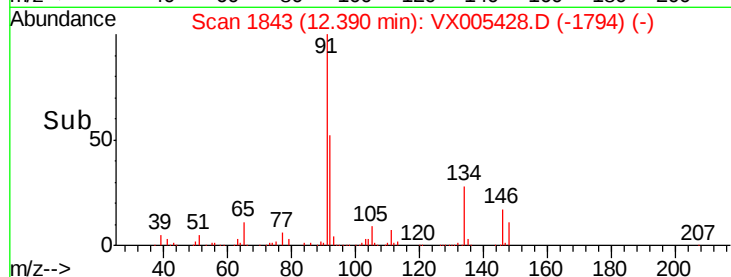
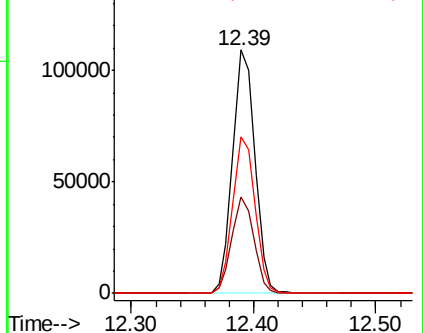
148 64.3 32.8 98.3



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: 18.897 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

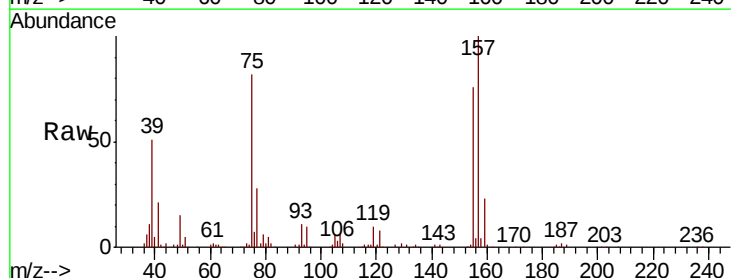
Tgt Ion: 75 Resp: 22213

Ion Ratio Lower Upper

75 100

155 95.3 48.0 144.2

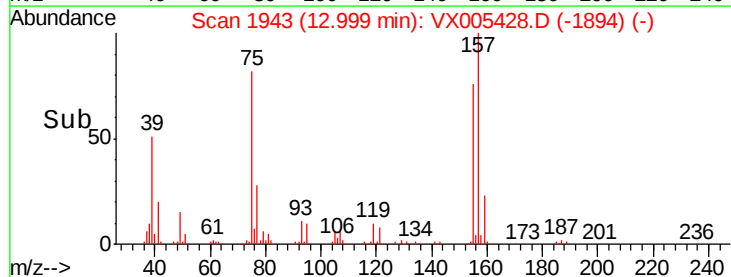
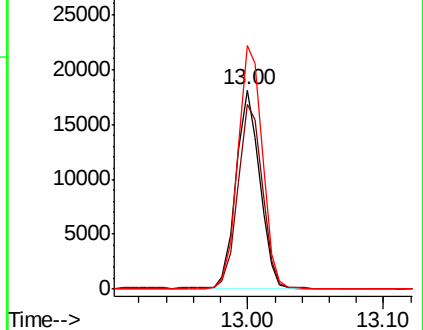
157 125.3 61.4 184.1

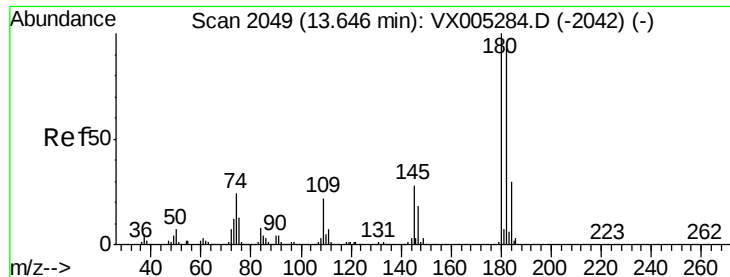


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

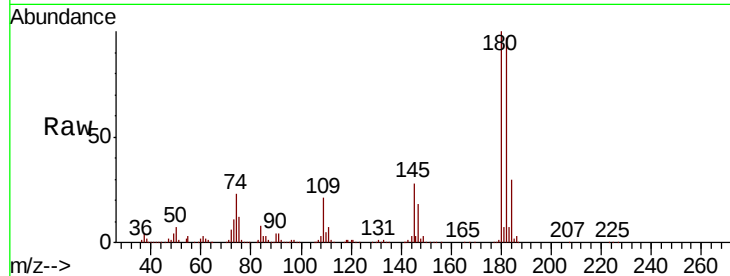




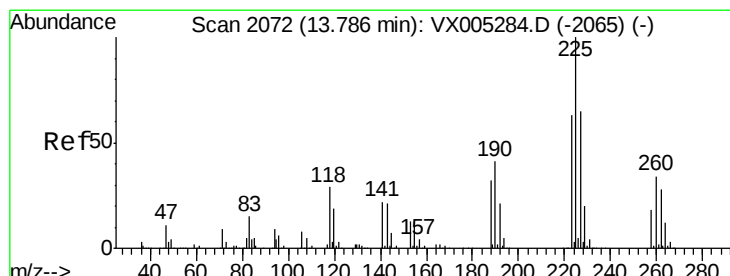
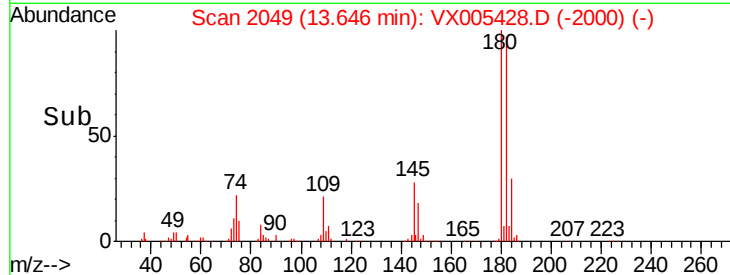
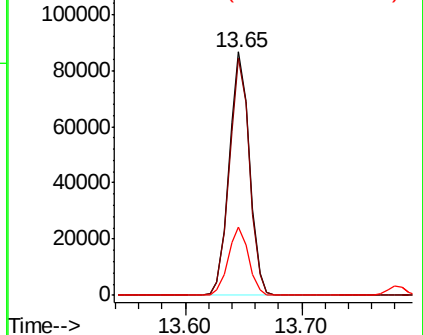
#93
 1,2,4-Trichlorobenzene
 Concen: 20.436 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion:180 Resp: 104432
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.4 145.0
 145 28.1 14.3 42.9

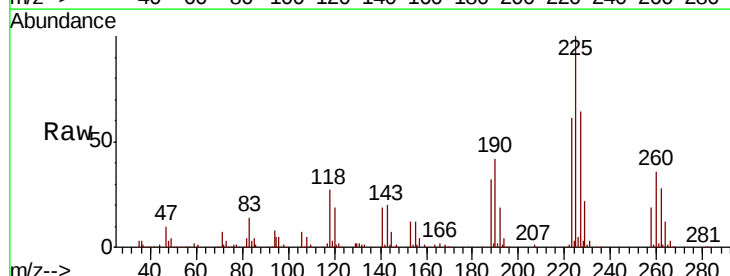


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

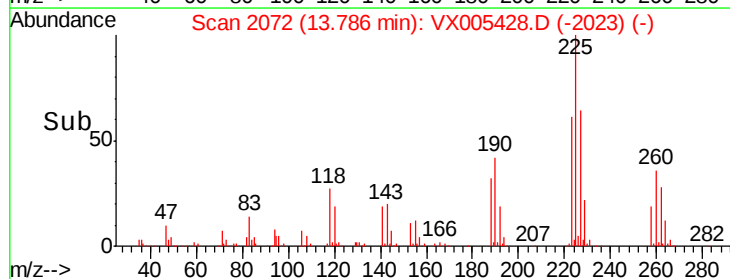
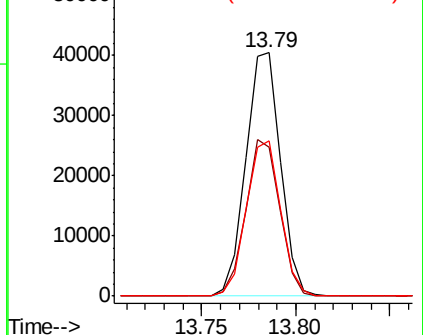


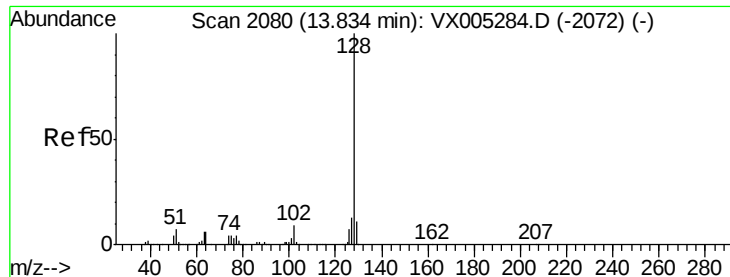
#94
 Hexachlorobutadiene
 Concen: 19.125 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion:225 Resp: 51617
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.1 90.5
 227 63.2 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.085 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

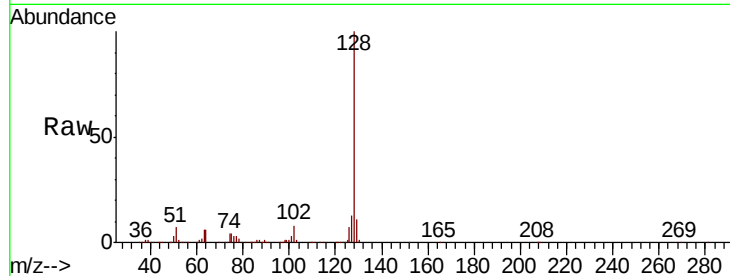
Tot Ion:128 Resp: 327296

Ion Ratio Lower Upper

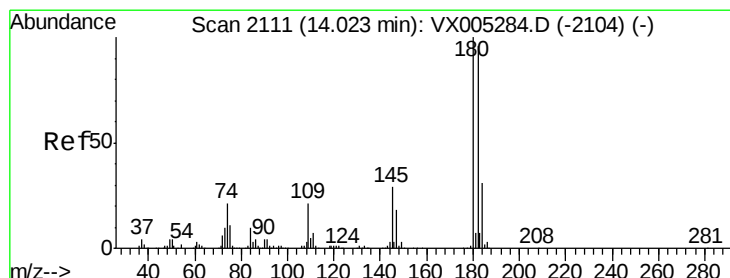
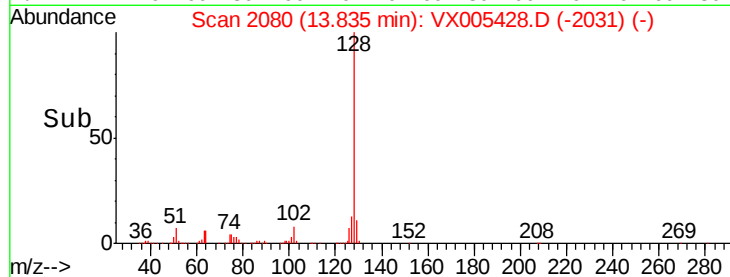
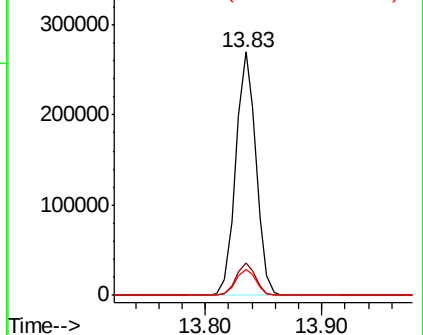
128 100

127 13.0 10.2 15.2

129 10.9 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: 20.895 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

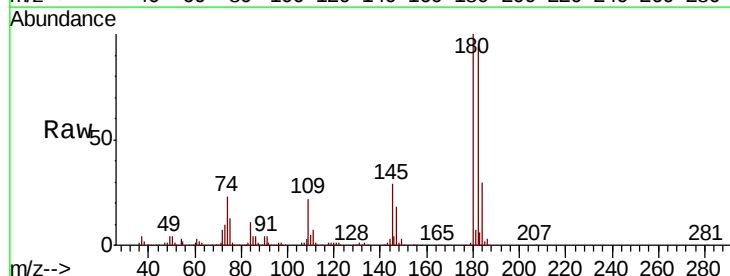
Tgt Ion:180 Resp: 109254

Ion Ratio Lower Upper

180 100

182 95.1 48.5 145.6

145 29.6 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

