

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041919\
 Data File : VX009063.D
 Acq On : 19 Apr 2019 12:23
 Operator : JC/SP
 Sample : VX0419MBS01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Quant Time: Apr 20 00:37:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140356	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	158866	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	5.50	113	116582	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	8.71	98	458744	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	158235	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	51207	20.968	ug/l	99
3) Chloromethane	1.32	50	59199	19.745	ug/l	95
4) Vinyl Chloride	1.41	62	58418	20.019	ug/l	99
5) Bromomethane	1.64	94	30919	19.466	ug/l	98
6) Chloroethane	1.71	64	37755	22.002	ug/l	97
7) Trichlorofluoromethane	1.92	101	69762	20.475	ug/l	100
8) Diethyl Ether	2.19	74	31895	20.470	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	43301	19.877	ug/l	99
10) Methyl Iodide	2.51	142	29721	15.791	ug/l	98
11) Tert butyl alcohol	3.06	59	74019	111.595	ug/l	100
12) 1,1-Dichloroethene	2.37	96	43931	19.321	ug/l	96
13) Acrolein	2.29	56	45210	78.886	ug/l	98
14) Allyl chloride	2.73	41	105591	21.285	ug/l	99
15) Acrylonitrile	3.15	53	187384	111.291	ug/l	99
16) Acetone	2.45	43	171317	110.558	ug/l	99
17) Carbon Disulfide	2.57	76	120062	18.771	ug/l	100
18) Methyl Acetate	2.78	43	88281	22.827	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	173421	21.405	ug/l	99
20) Methylene Chloride	2.85	84	53320	20.121	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	47926	19.761	ug/l	97
22) Diisopropyl ether	3.86	45	213713	22.170	ug/l	90
23) Vinyl Acetate	3.82	43	940662	111.012	ug/l	99
24) 1,1-Dichloroethane	3.70	63	102157	21.112	ug/l	99
25) 2-Butanone	4.68	43	283728	114.550	ug/l	100
26) 2,2-Dichloropropane	4.59	77	71538	19.723	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	56545	20.535	ug/l	98
28) Bromochloromethane	5.01	49	48918	23.309	ug/l	97
29) Tetrahydrofuran	5.13	42	187864	113.320	ug/l	99
30) Chloroform	5.21	83	92219	21.297	ug/l	100
31) Cyclohexane	5.58	56	98470	20.690	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	74704	20.816	ug/l	98
36) 1,1-Dichloropropene	5.80	75	69985	19.105	ug/l	100
37) Ethyl Acetate	4.84	43	105642	22.411	ug/l	100
38) Carbon Tetrachloride	5.79	117	61058	19.661	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86402	19.372	ug/l	95
40) Benzene	6.14	78	218225	20.193	ug/l	100
41) Methacrylonitrile	5.04	41	60262	22.275	ug/l	98
42) 1,2-Dichloroethane	6.19	62	79048	20.649	ug/l	99
43) Isopropyl Acetate	6.45	43	161431	21.251	ug/l	99
44) Trichloroethene	7.21	130	50671	19.136	ug/l	99
45) 1,2-Dichloropropane	7.51	63	61712	20.584	ug/l	97
46) Dibromomethane	7.66	93	35067	20.098	ug/l	99
47) Bromodichloromethane	7.90	83	67240	19.648	ug/l	99
48) Methyl methacrylate	7.77	41	80784	21.523	ug/l	98
49) 1,4-Dioxane	7.74	88	28916	411.604	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	533984	110.341	ug/l	99
52) Toluene	8.79	92	128512	19.842	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77001	19.551	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	87242	19.783	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52983	20.641	ug/l	97
56) Ethyl methacrylate	9.18	69	94408	20.511	ug/l	98
57) 1,3-Dichloropropane	9.37	76	95218	20.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	261255	105.405	ug/l	99
59) 2-Hexanone	9.49	43	405600	108.708	ug/l	99
60) Dibromochloromethane	9.58	129	49379	20.071	ug/l	98
61) 1,2-Dibromoethane	9.67	107	53055	20.026	ug/l	97
64) Tetrachloroethene	9.34	164	45574	19.556	ug/l	97
65) Chlorobenzene	10.14	112	128049	19.775	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	46693	20.470	ug/l	100
67) Ethyl Benzene	10.25	91	236296	19.963	ug/l	100
68) m/p-Xylenes	10.36	106	170798	39.704	ug/l	100
69) o-Xylene	10.70	106	82500	19.710	ug/l	98
70) Styrene	10.71	104	144169	19.876	ug/l	99
71) Bromoform	10.85	173	34825	19.163	ug/l #	99
73) Isopropylbenzene	11.02	105	222367	20.901	ug/l	100
74) N-amyl acetate	10.90	43	133269	21.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84163	21.651	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	98340	28.694	ug/l	81
77) Bromobenzene	11.26	156	53700	20.006	ug/l	98
78) n-propylbenzene	11.36	91	253123	20.729	ug/l	100
79) 2-Chlorotoluene	11.42	91	151104	20.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	190106	21.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26432	19.800	ug/l	94
82) 4-Chlorotoluene	11.51	91	174758	20.450	ug/l	99
83) tert-Butylbenzene	11.77	119	181639	21.191	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	189536	20.856	ug/l	100
85) sec-Butylbenzene	11.94	105	213799	20.914	ug/l	100
86) p-Isopropyltoluene	12.06	119	192961	20.531	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	92539	19.697	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	92230	19.366	ug/l	99
89) n-Butylbenzene	12.39	91	175210	20.017	ug/l	99
90) Hexachloroethane	12.60	117	30853	19.901	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	92601	19.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18241	20.610	ug/l	96

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ClientSampleId :
VX0419MBS01

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

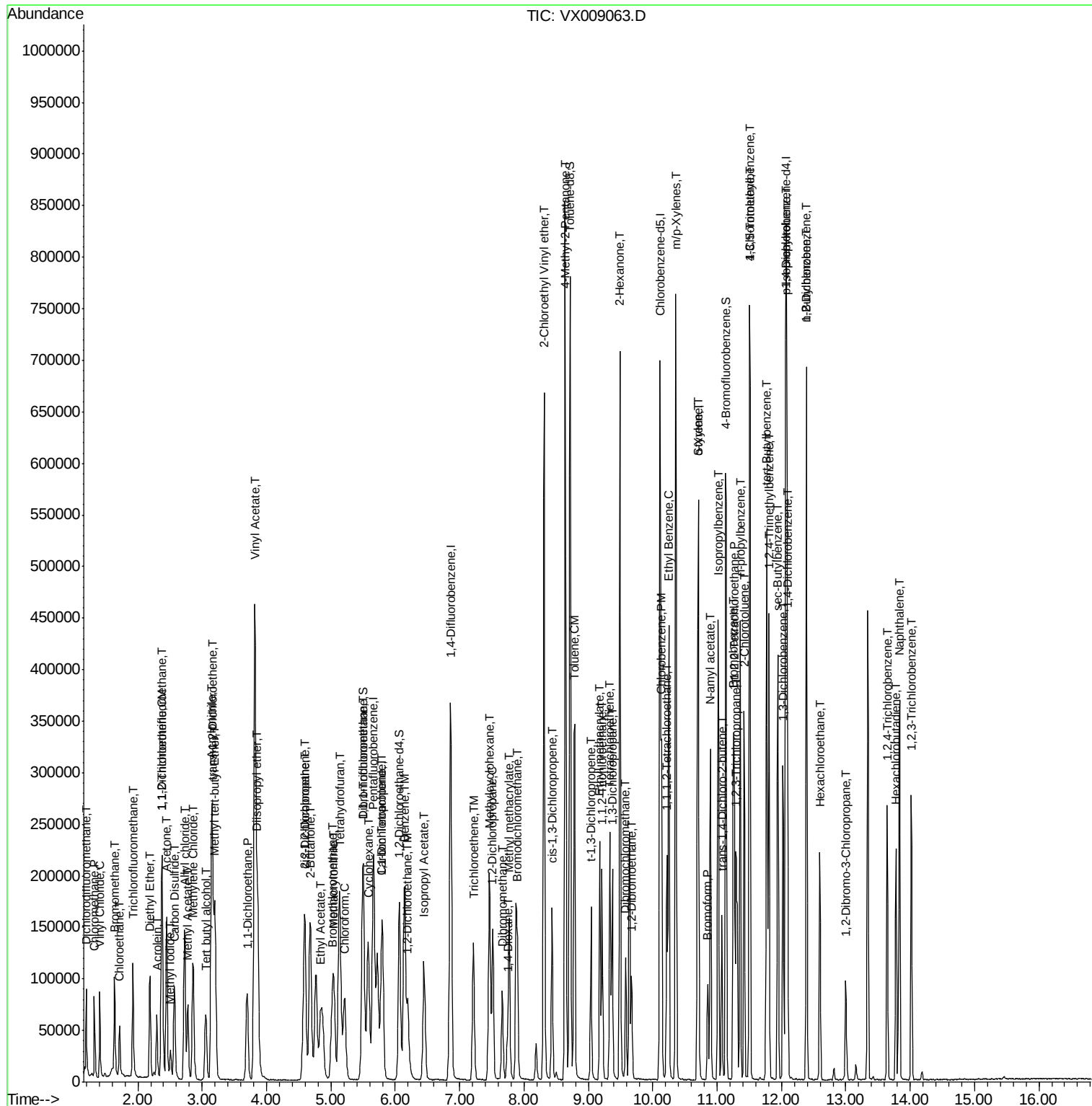
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64239	19.182	ug/l	99
94) Hexachlorobutadiene	13.78	225	32463	19.436	ug/l	98
95) Naphthalene	13.83	128	219847	20.491	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	64436	19.501	ug/l	100

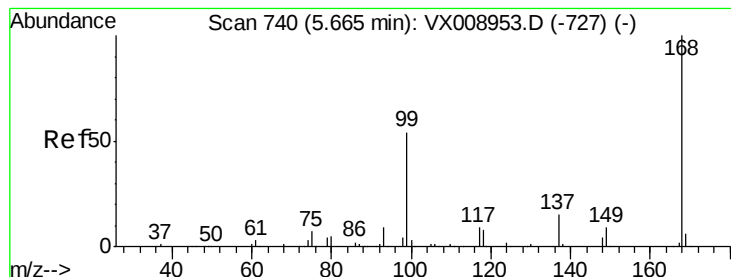
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041919\
Data File : VX009063.D
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

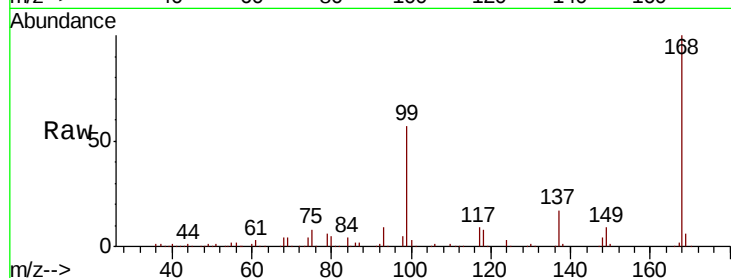
VX0419MBS01

Tot Ion:168 Resp: 212031

Ion Ratio Lower Upper

168 100

99 56.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

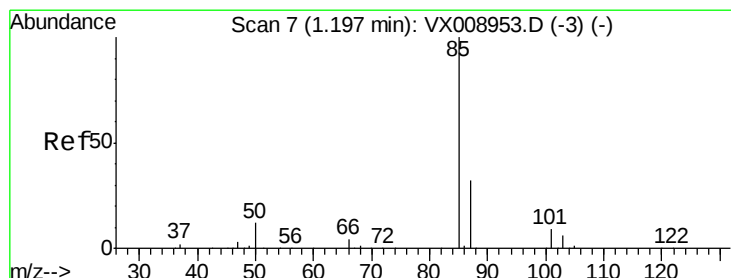
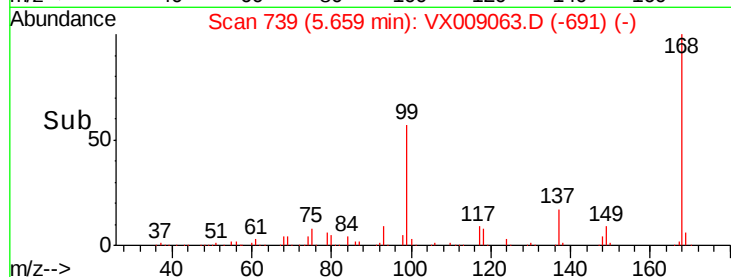
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.968 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009063.D

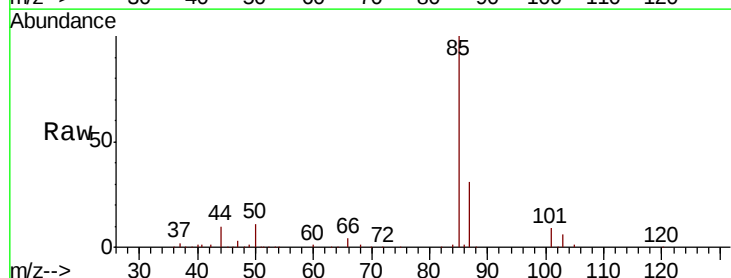
Acq: 19 Apr 2019 12:23

Tgt Ion: 85 Resp: 51207

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

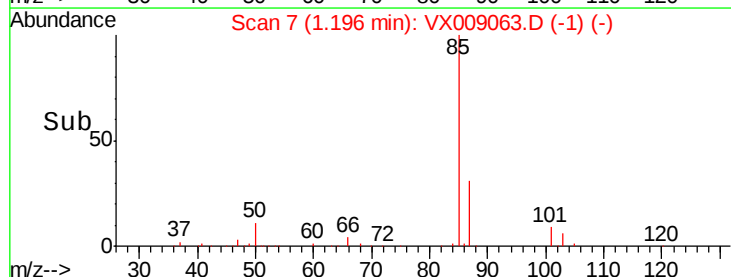
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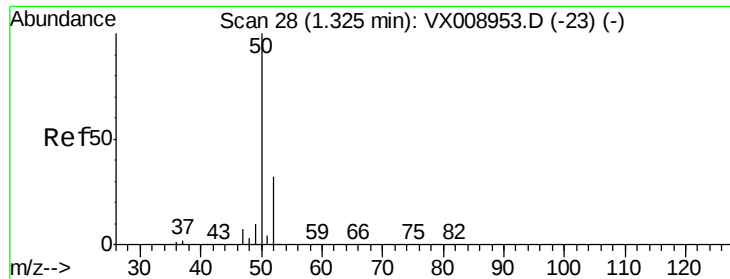
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.745 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

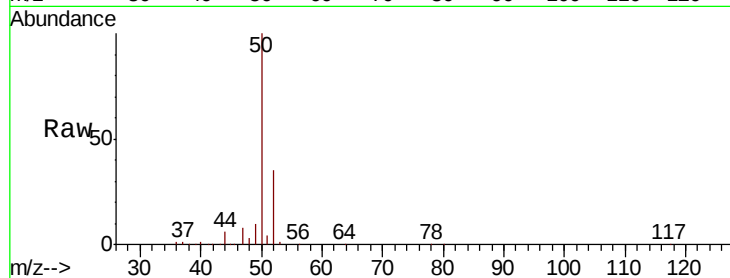
VX0419MBS01

Tot Ion: 50 Resp: 59199

Ion Ratio Lower Upper

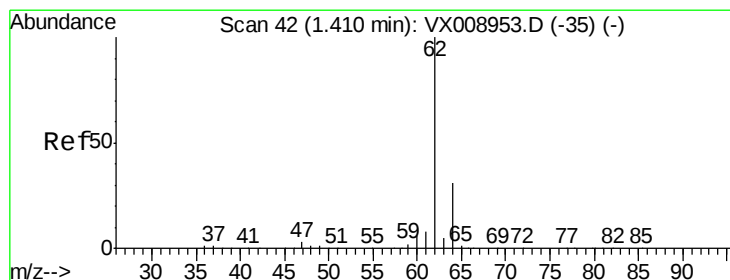
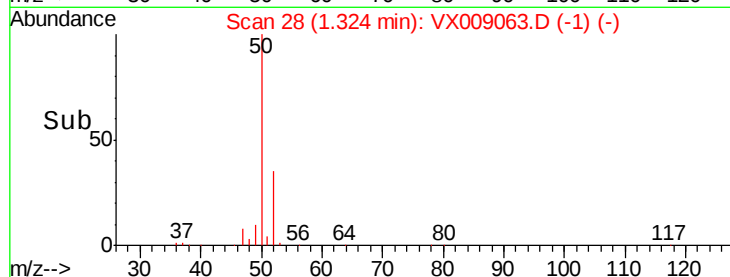
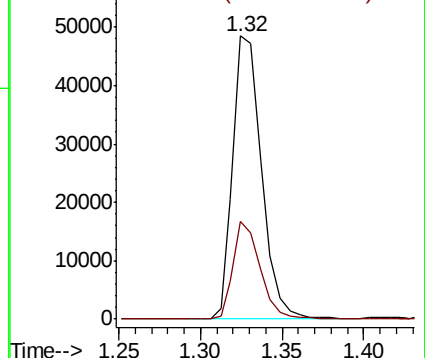
50 100

52 34.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.019 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009063.D

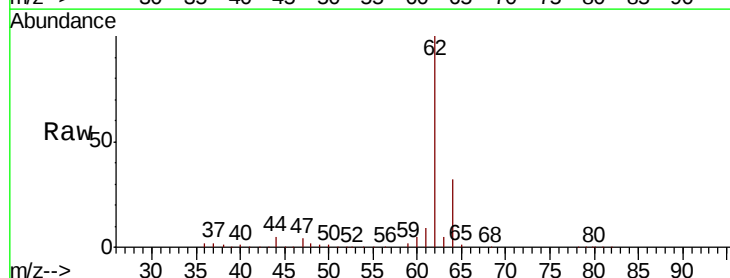
Acq: 19 Apr 2019 12:23

Tgt Ion: 62 Resp: 58418

Ion Ratio Lower Upper

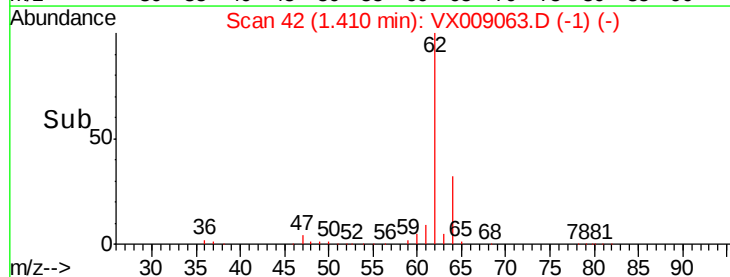
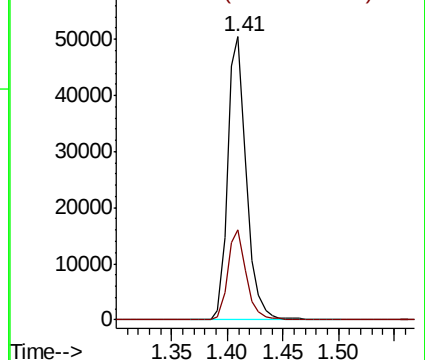
62 100

64 31.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.466 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

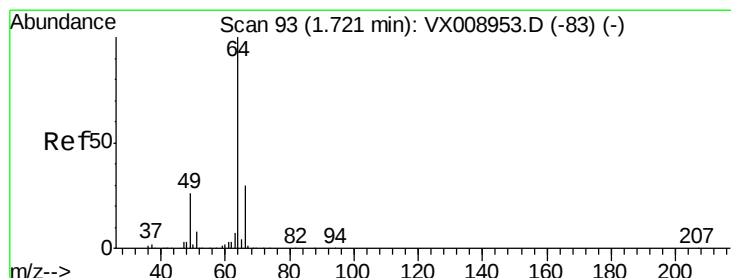
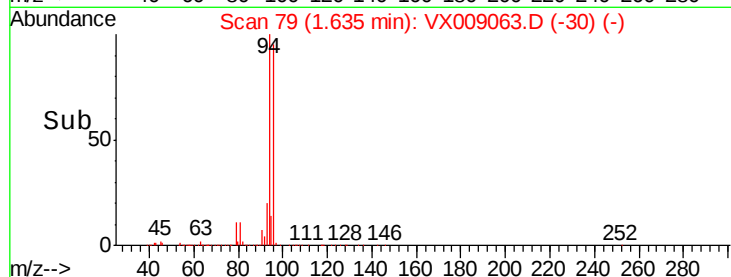
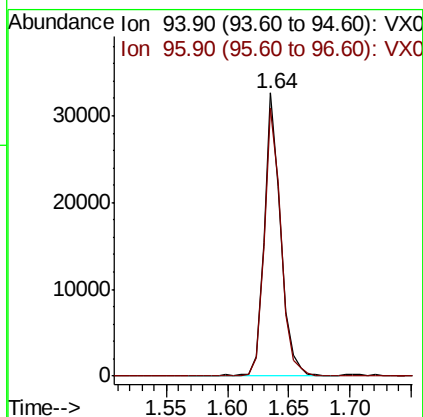
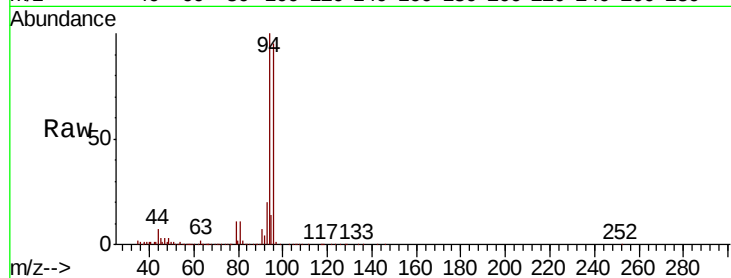
VX0419MBS01

Tot Ion: 94 Resp: 30919

Ion Ratio Lower Upper

94 100

96 94.5 73.9 110.9



#6

Chloroethane

Concen: 22.002 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009063.D

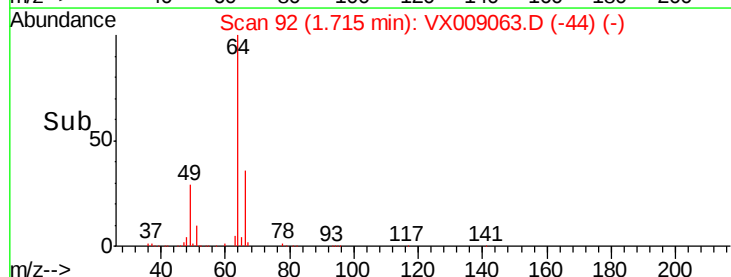
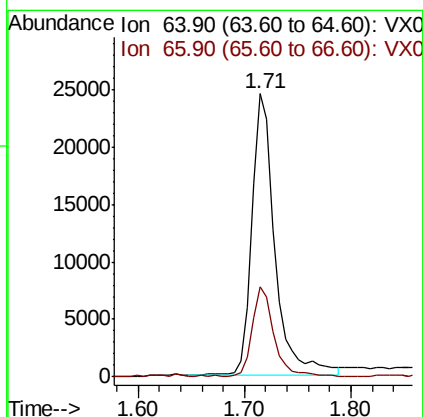
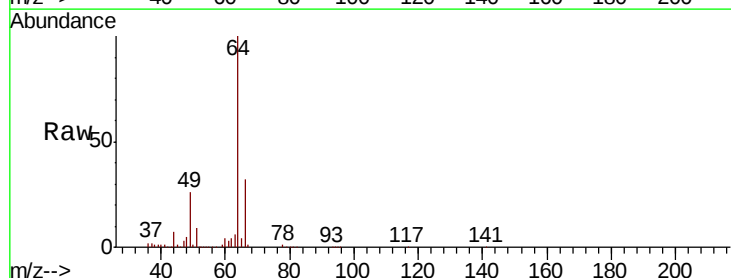
Acq: 19 Apr 2019 12:23

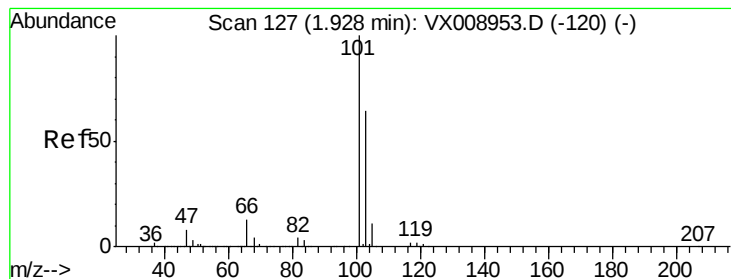
Tgt Ion: 64 Resp: 37755

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2



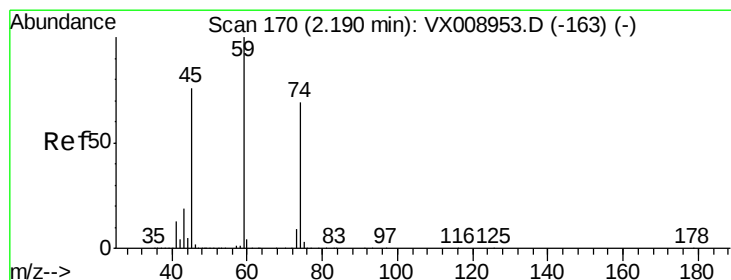
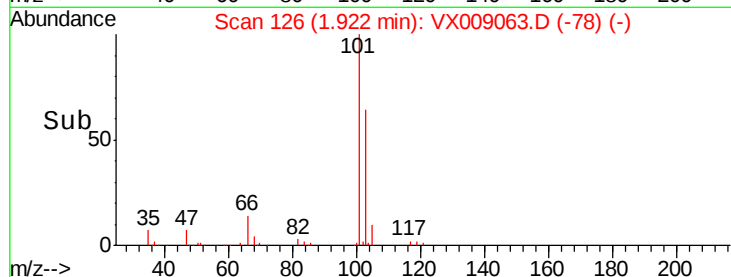
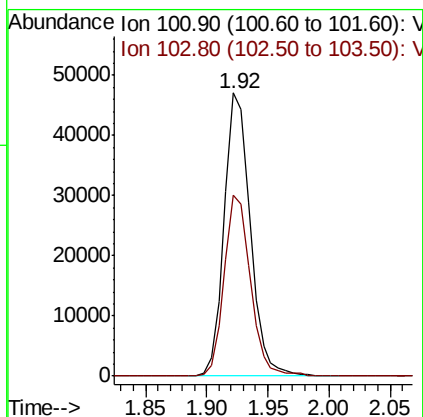
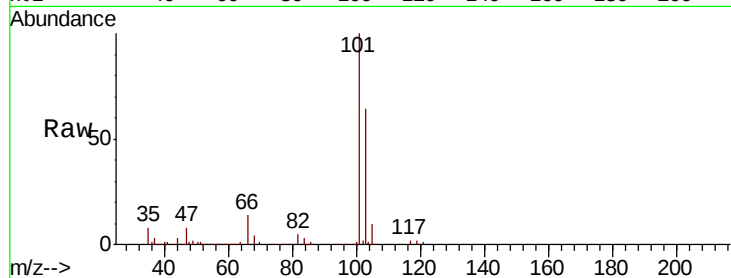


#7

Trichlorofluoromethane
 Concen: 20.475 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

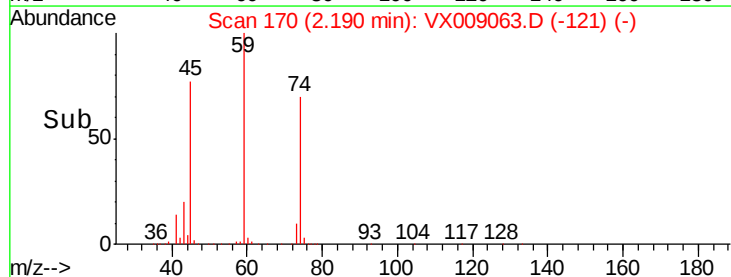
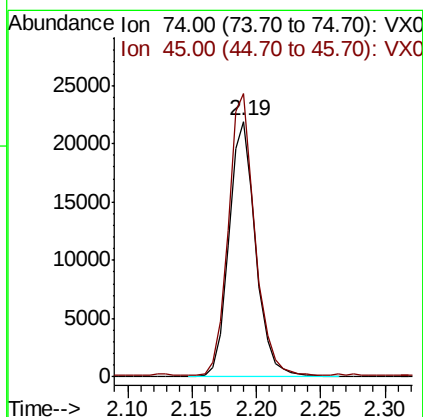
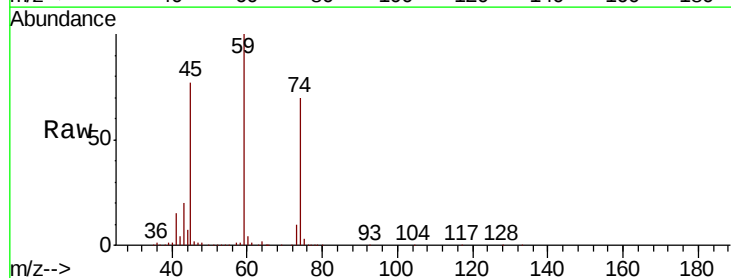
Tot Ion:101 Resp: 69762
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.0 76.6

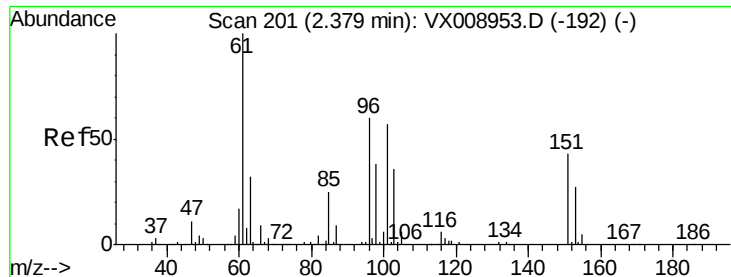


#8

Diethyl Ether
 Concen: 20.470 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 74 Resp: 31895
 Ion Ratio Lower Upper
 74 100
 45 108.3 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.877 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

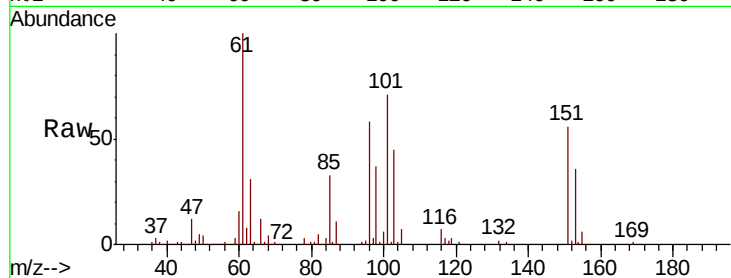
Tot Ion:101 Resp: 43301

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

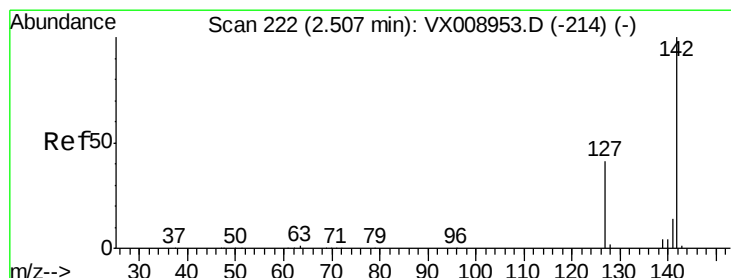
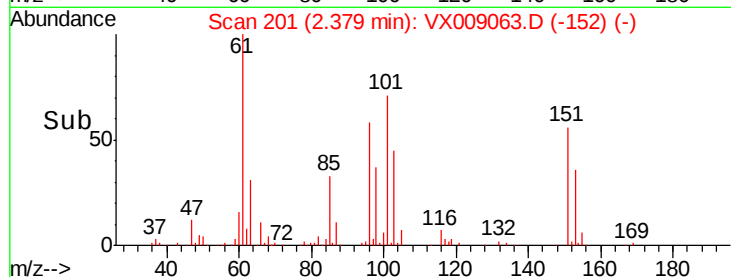
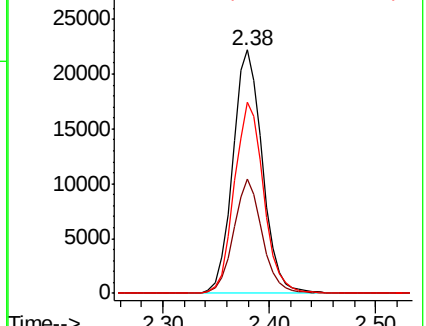
151 77.9 62.7 94.1



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: 15.791 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

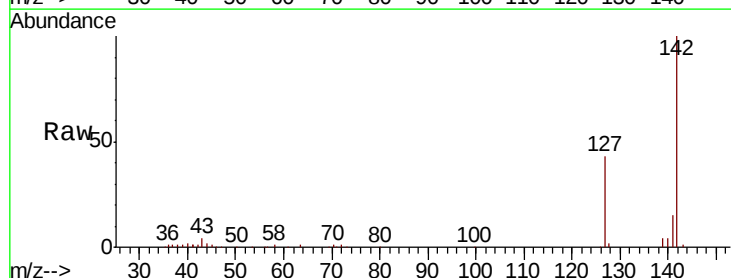
Tgt Ion:142 Resp: 29721

Ion Ratio Lower Upper

142 100

127 42.3 32.8 49.2

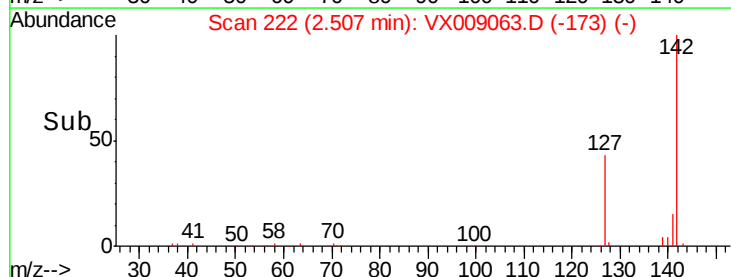
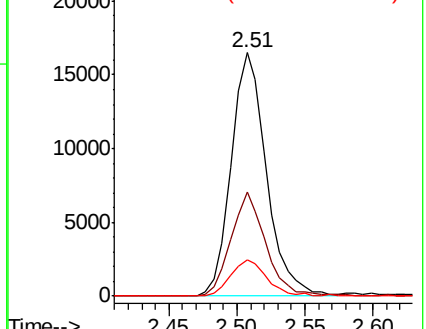
141 15.5 11.4 17.2

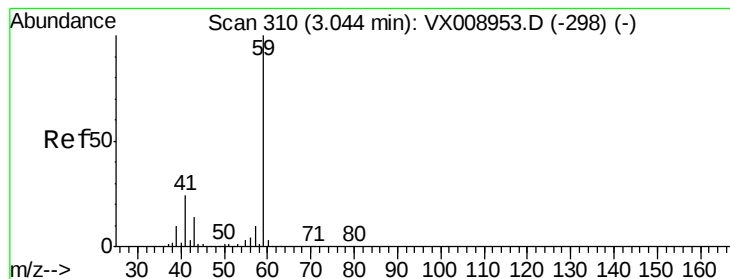


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



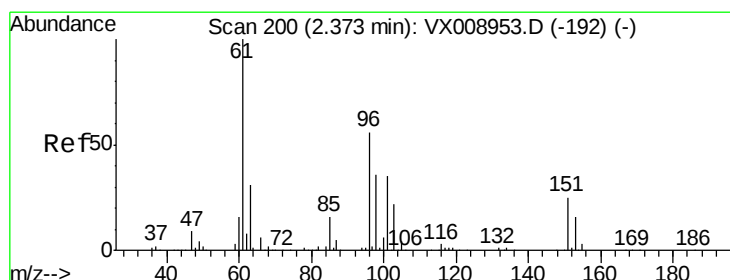
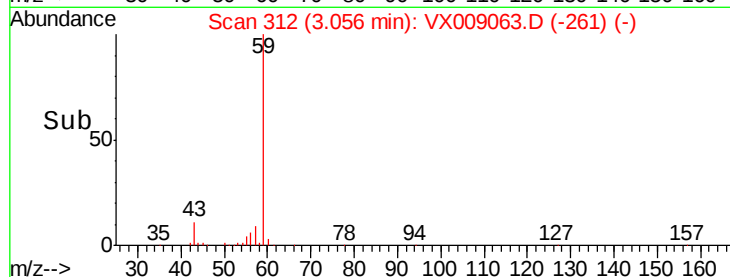
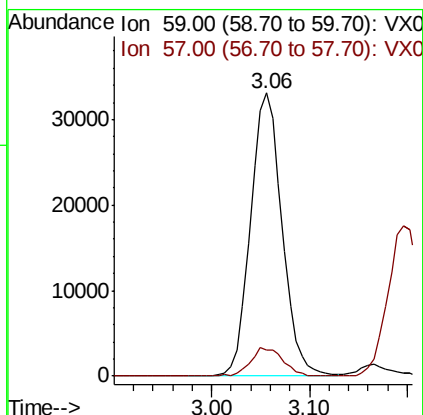
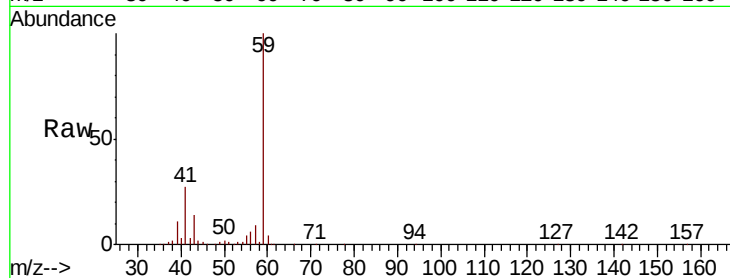


#11

Tert butyl alcohol
 Concen: 111.595 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

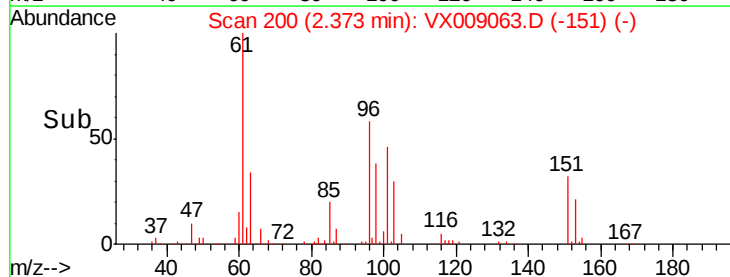
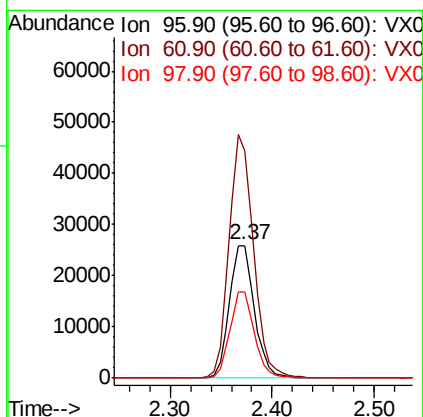
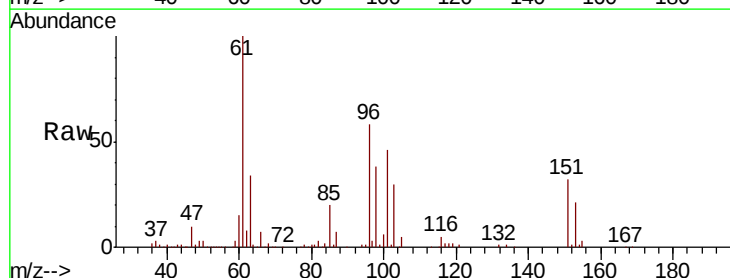
Tot Ion: 59 Resp: 74019
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

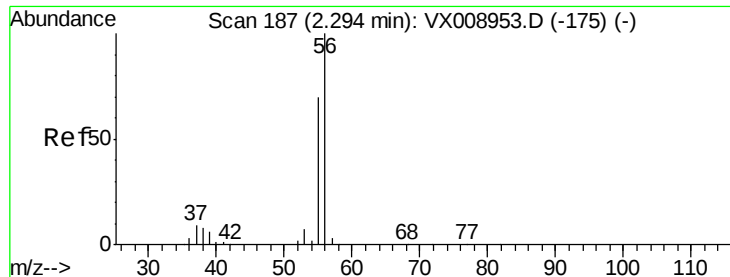


#12

1,1-Dichloroethene
 Concen: 19.321 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 96 Resp: 43931
 Ion Ratio Lower Upper
 96 100
 61 171.3 142.2 213.2
 98 64.9 50.9 76.3





#13

Acrolein

Concen: 78.886 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

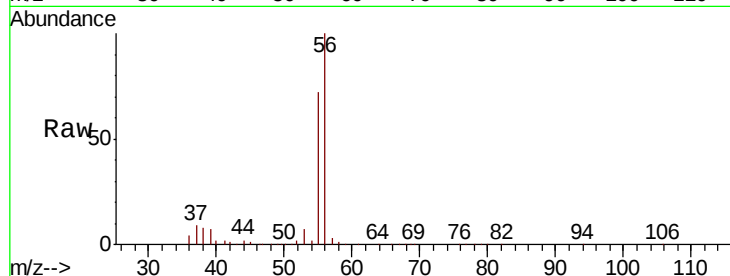
VX0419MBS01

Tot Ion: 56 Resp: 45210

Ion Ratio Lower Upper

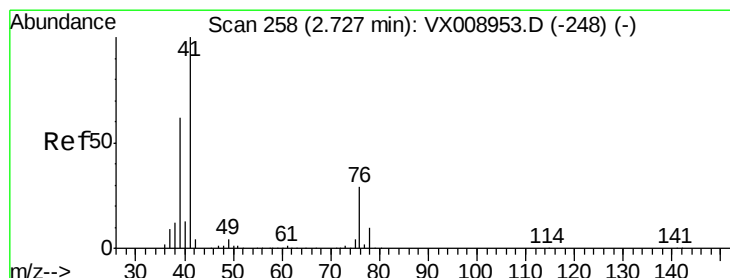
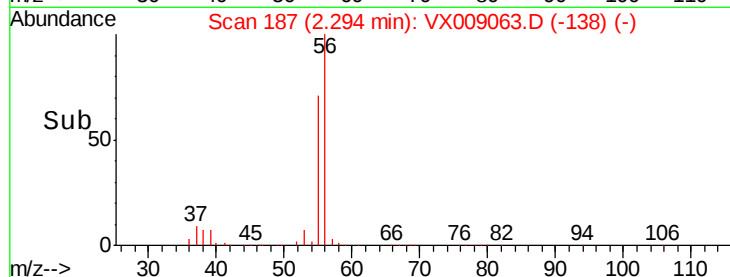
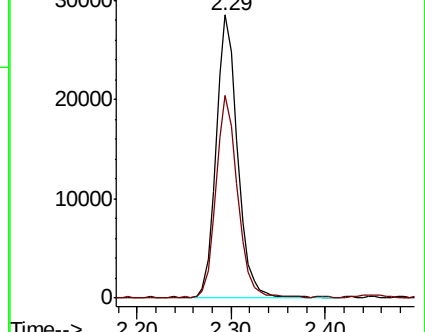
56 100

55 72.2 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.285 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

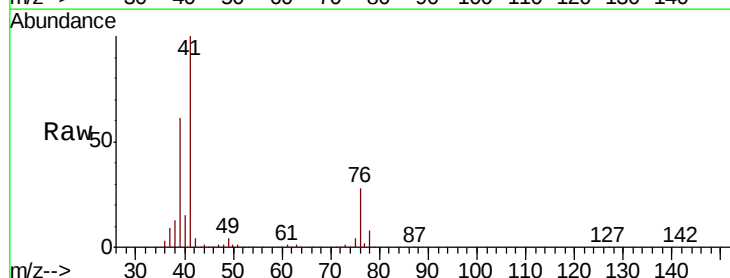
Tgt Ion: 41 Resp: 105591

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

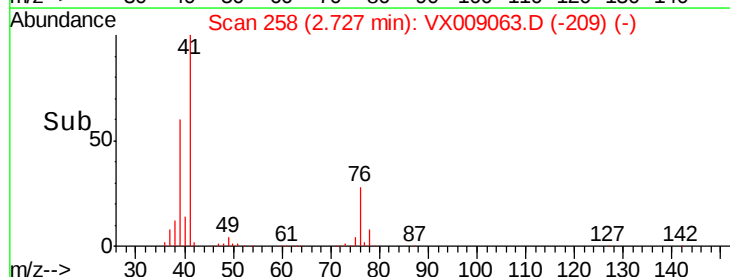
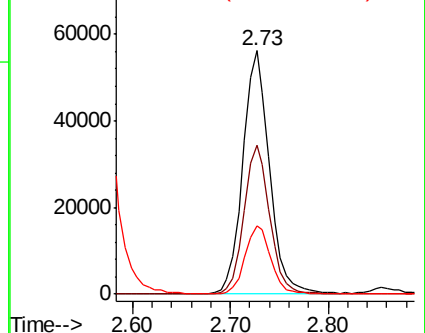
76 26.8 22.0 33.0

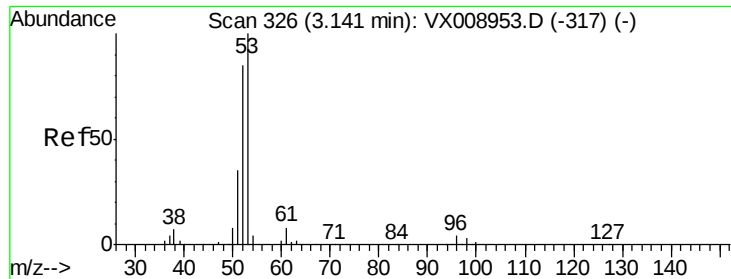


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 111.291 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

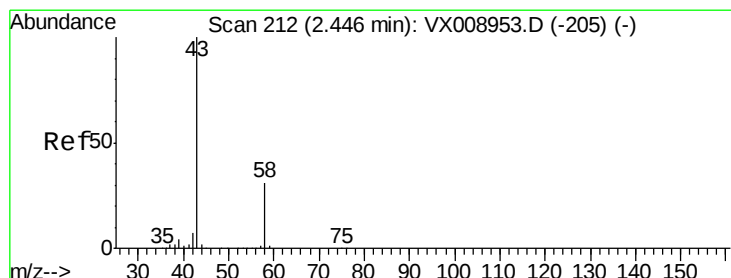
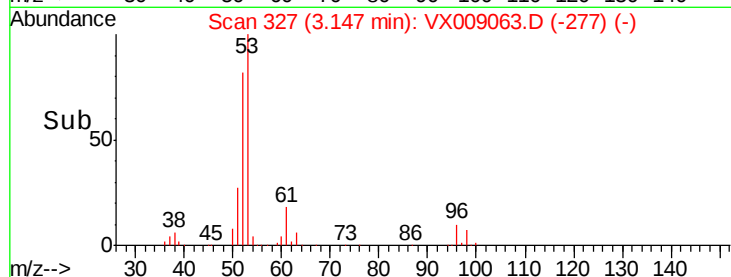
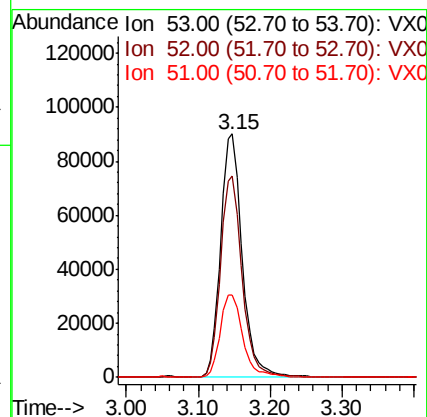
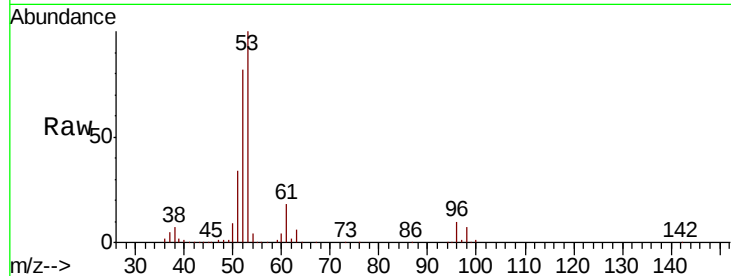
Tot Ion: 53 Resp: 187384

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

51 35.4 28.3 42.5



#16

Acetone

Concen: 110.558 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009063.D

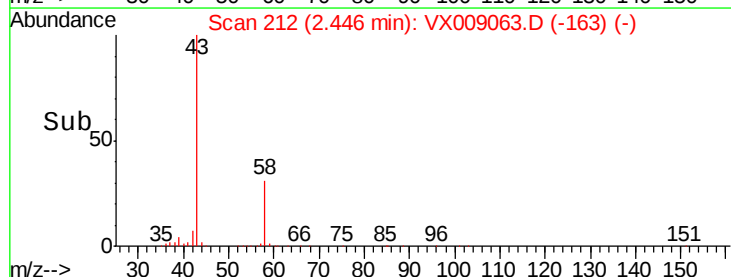
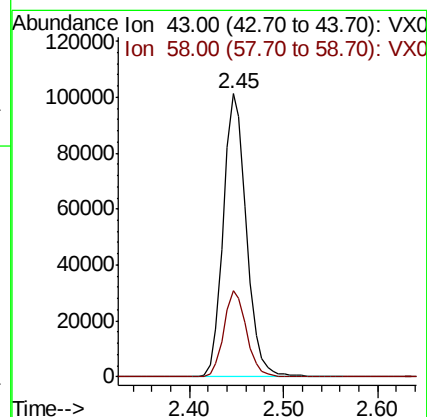
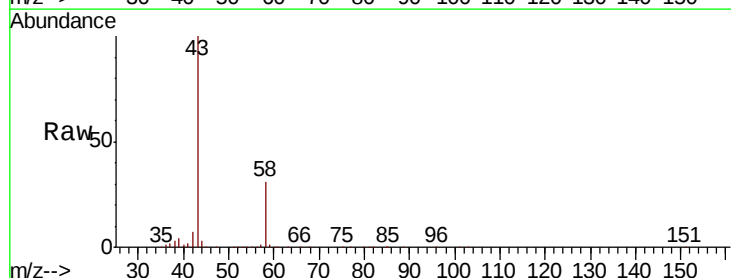
Acq: 19 Apr 2019 12:23

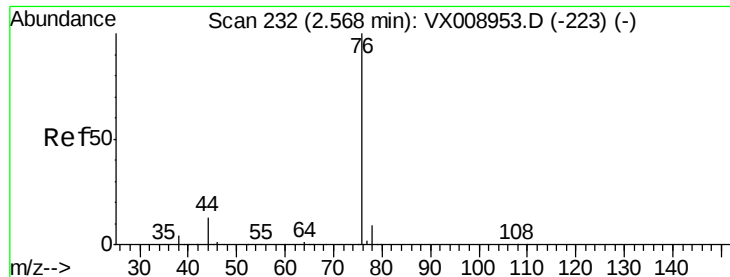
Tgt Ion: 43 Resp: 171317

Ion Ratio Lower Upper

43 100

58 30.7 24.8 37.2

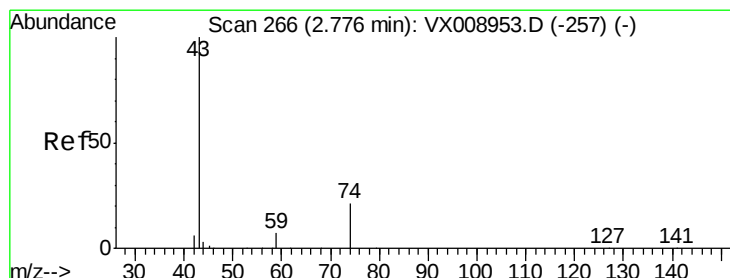
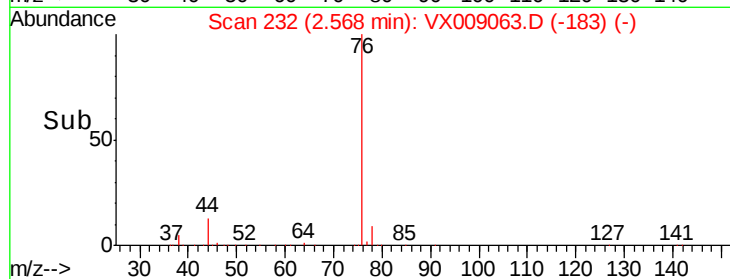
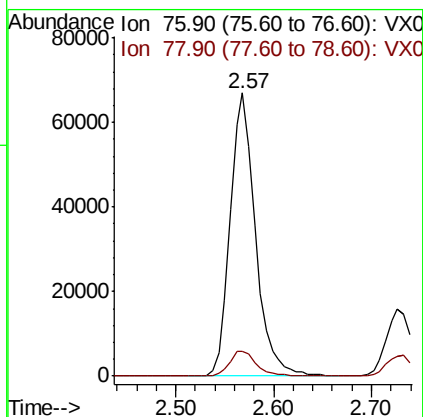
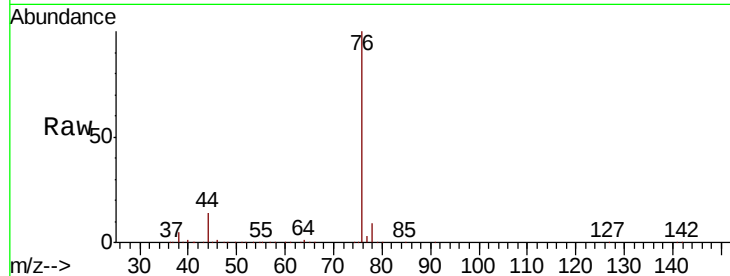




#17
Carbon Disulfide
Concen: 18.771 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

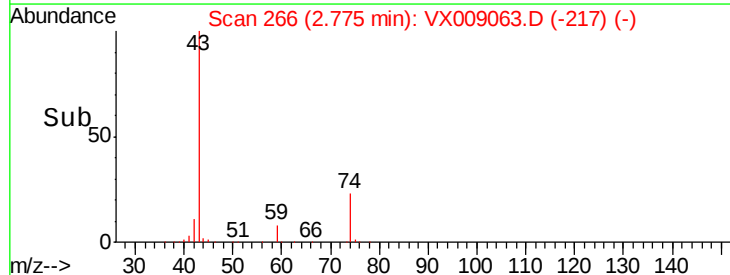
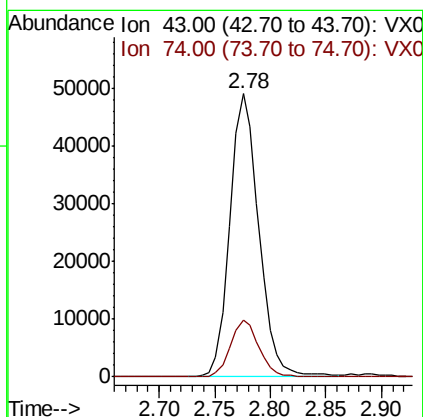
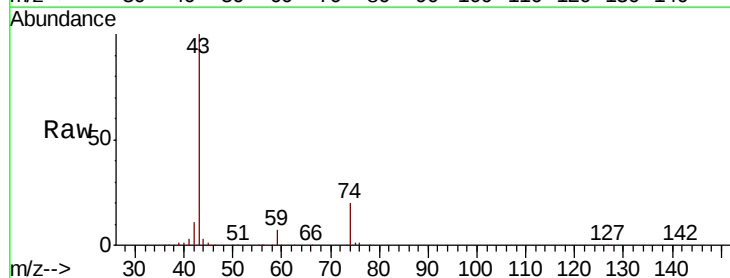
Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

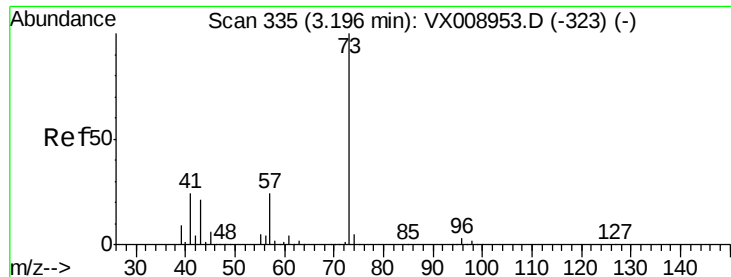
Tot Ion: 76 Resp: 120062
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 22.827 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 43 Resp: 88281
Ion Ratio Lower Upper
43 100
74 20.1 16.6 25.0



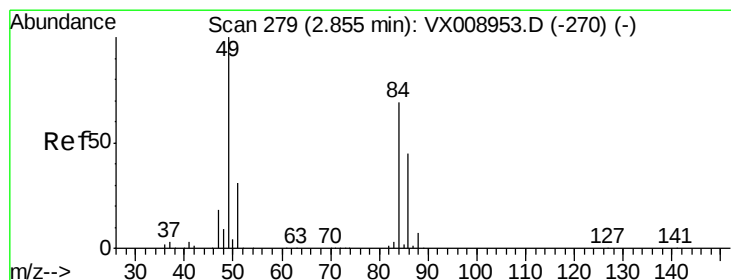
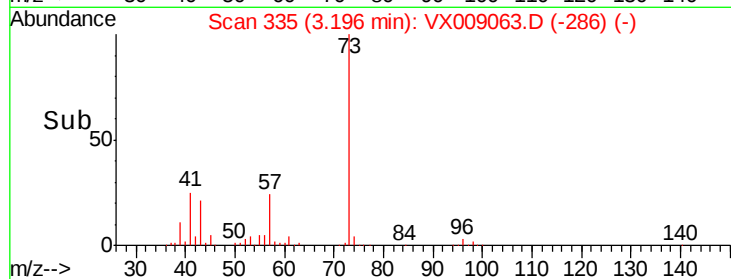
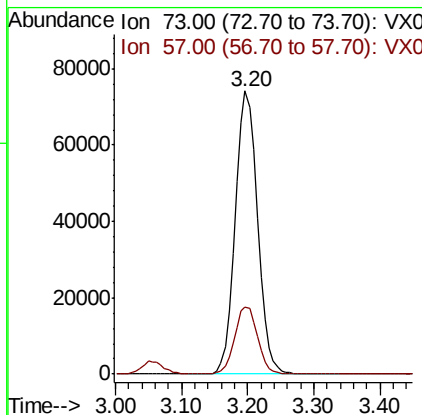
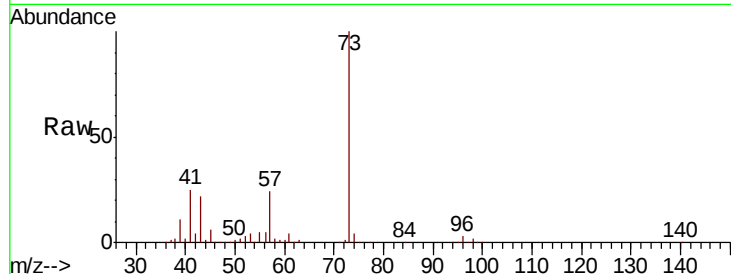


#19

Methyl tert-butyl Ether
 Concen: 21.405 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

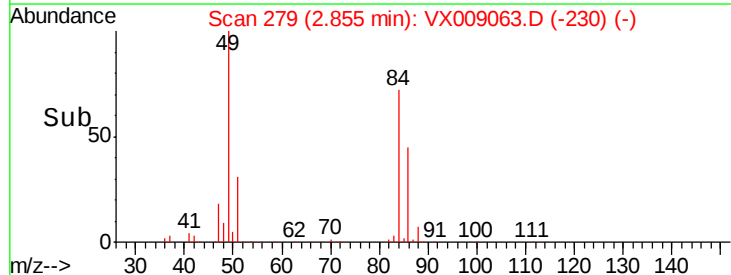
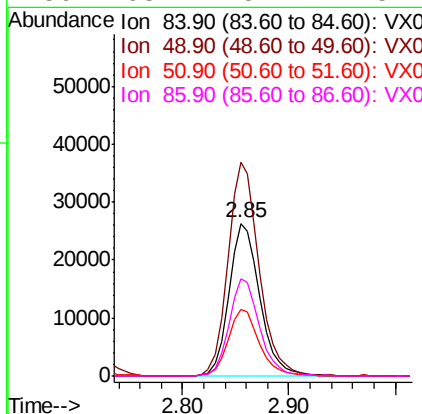
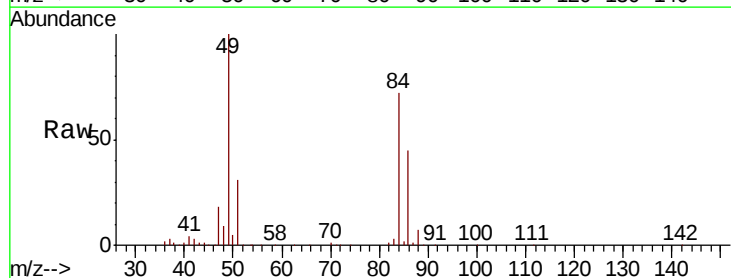
Tot Ion: 73 Resp: 173421
 Ion Ratio Lower Upper
 73 100
 57 23.7 19.2 28.8

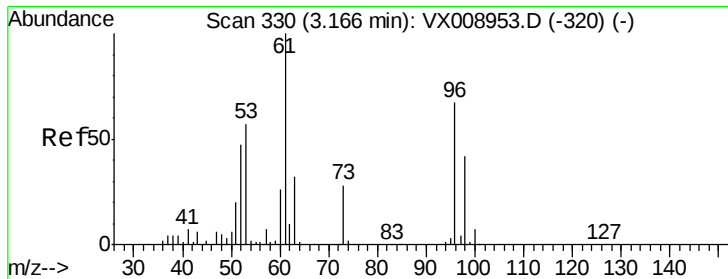


#20

Methylene Chloride
 Concen: 20.121 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 84 Resp: 53320
 Ion Ratio Lower Upper
 84 100
 49 139.7 115.4 173.0
 51 44.0 35.8 53.6
 86 63.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.761 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

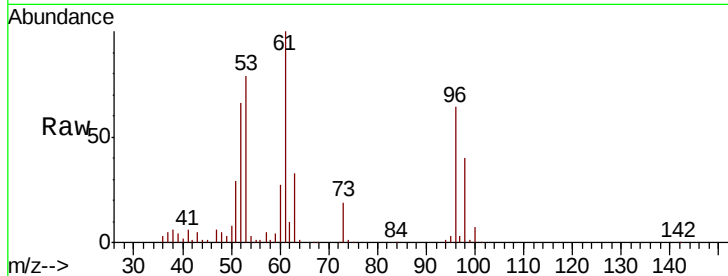
Tot Ion: 96 Resp: 47926

Ion Ratio Lower Upper

96 100

61 155.5 120.3 180.5

98 62.5 50.2 75.2

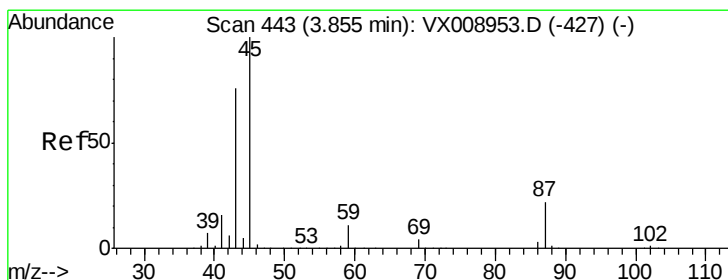
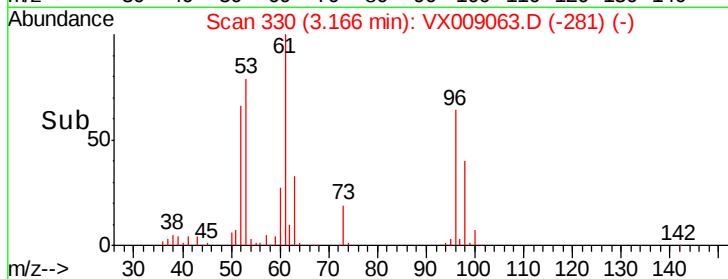
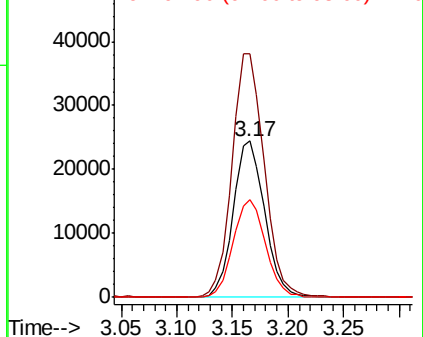


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.170 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion: 45 Resp: 213713

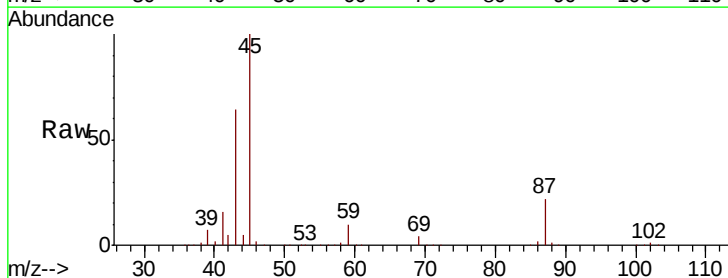
Ion Ratio Lower Upper

45 100

43 63.9 60.6 91.0

87 21.8 17.8 26.8

59 10.4 8.7 13.1



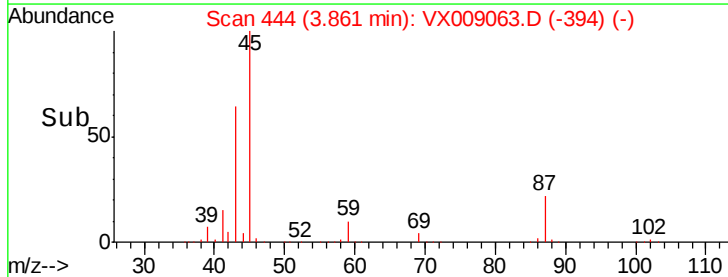
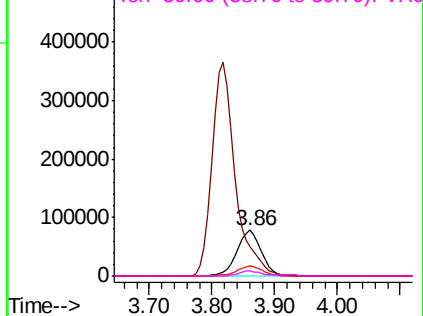
Abundance

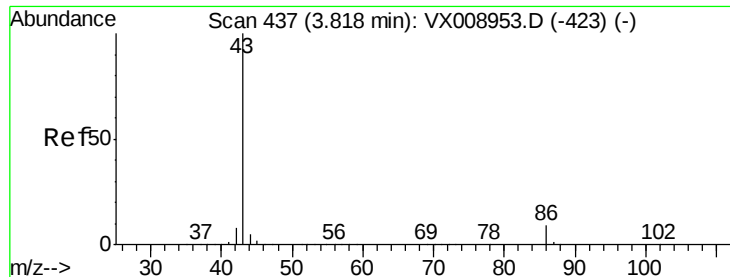
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 111.012 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

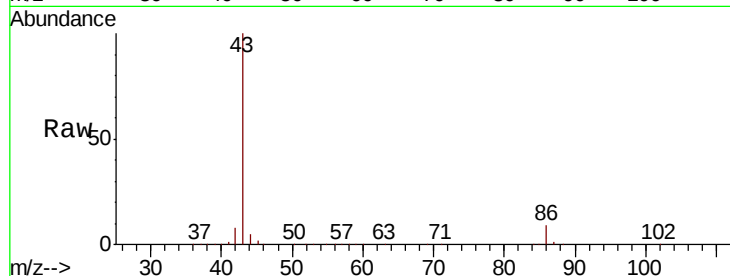
VX0419MBS01

Tot Ion: 43 Resp: 940662

Ion Ratio Lower Upper

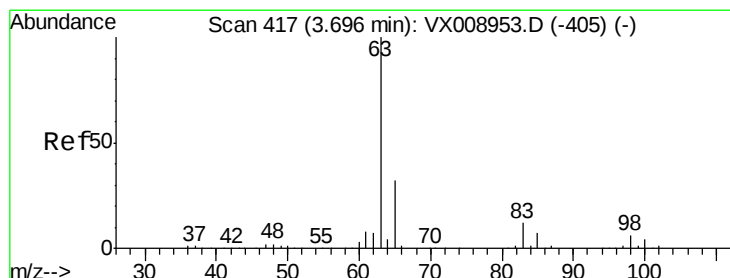
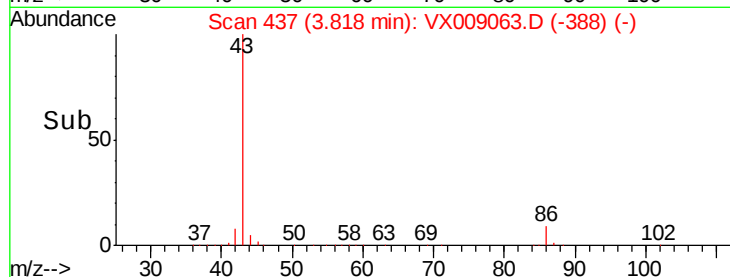
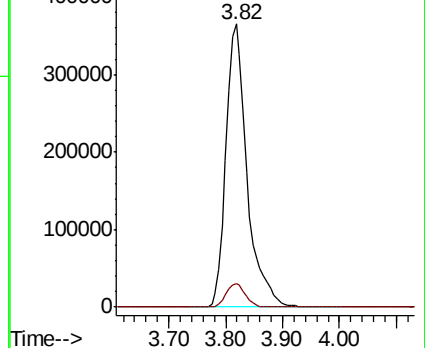
43 100

86 8.5 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.112 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

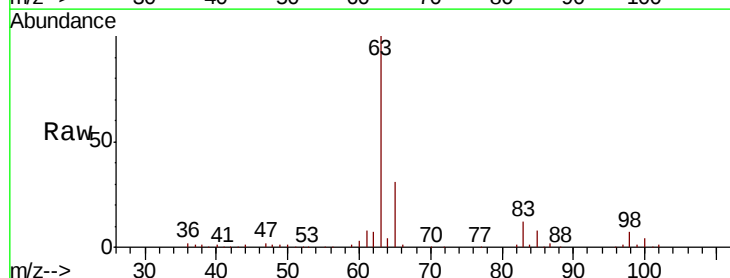
Tgt Ion: 63 Resp: 102157

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.3

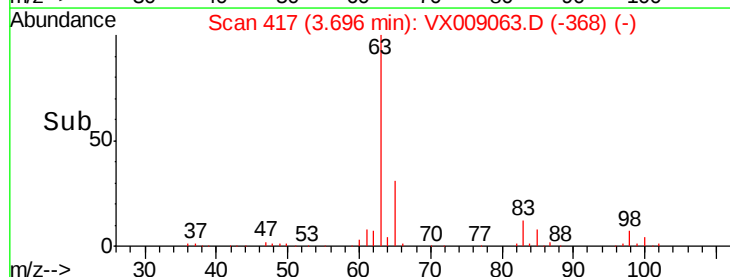
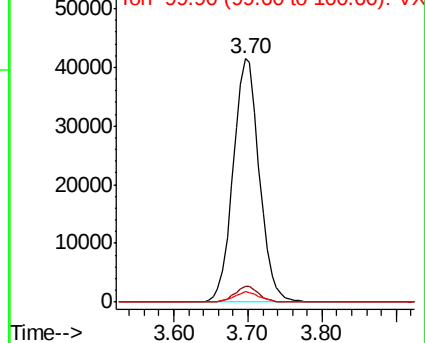
100 4.4 1.9 5.7

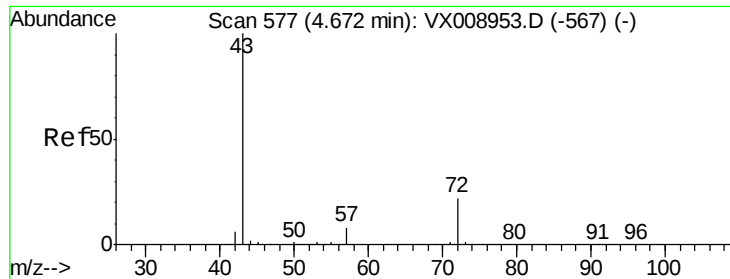


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 114.550 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

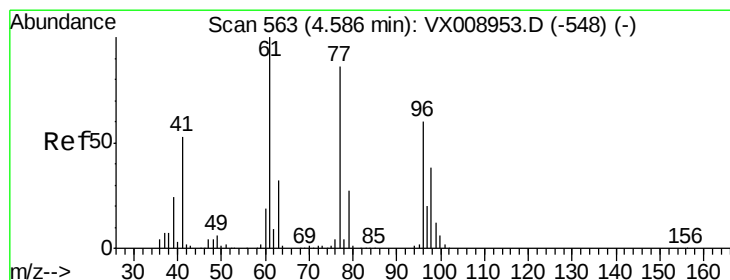
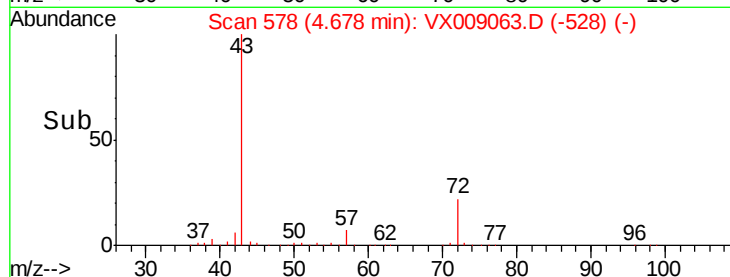
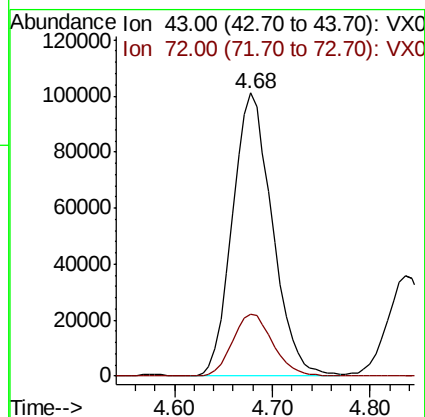
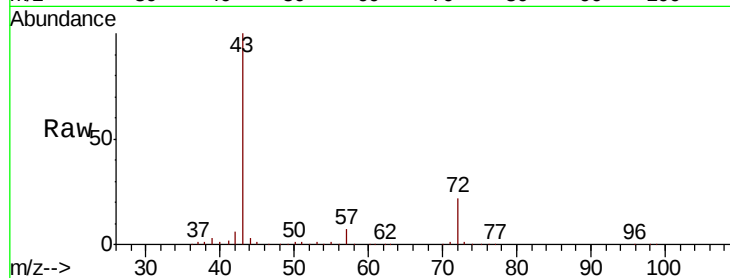
VX0419MBS01

Tot Ion: 43 Resp: 283728

Ion Ratio Lower Upper

43 100

72 21.9 17.5 26.3



#26

2,2-Dichloropropane

Concen: 19.723 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009063.D

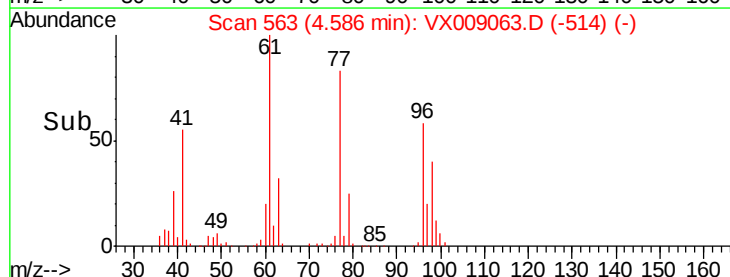
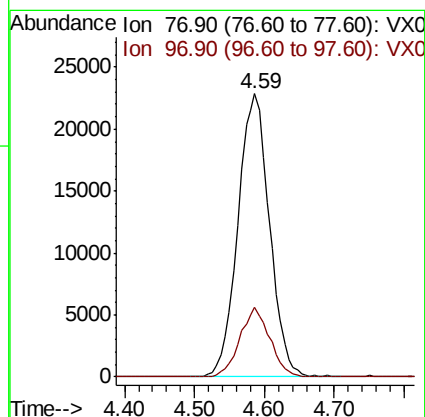
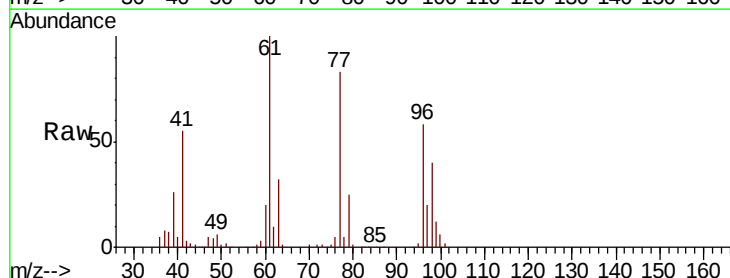
Acq: 19 Apr 2019 12:23

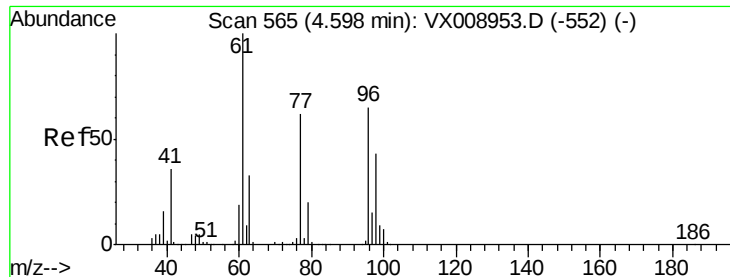
Tgt Ion: 77 Resp: 71538

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



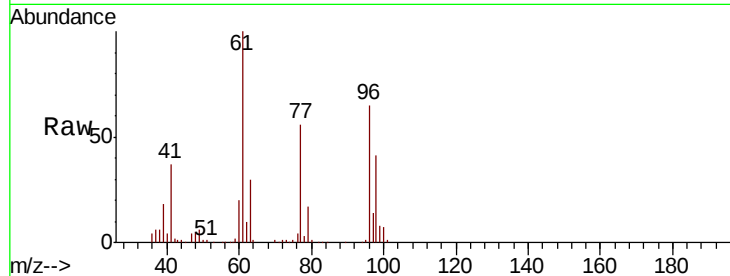


#27

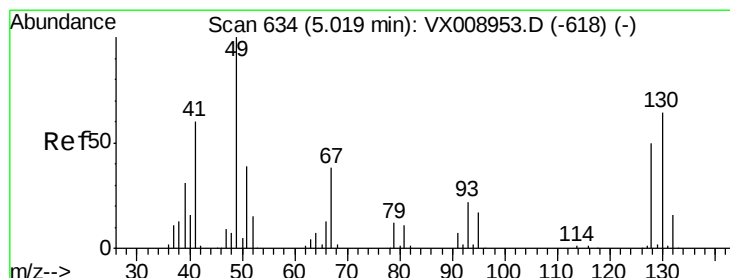
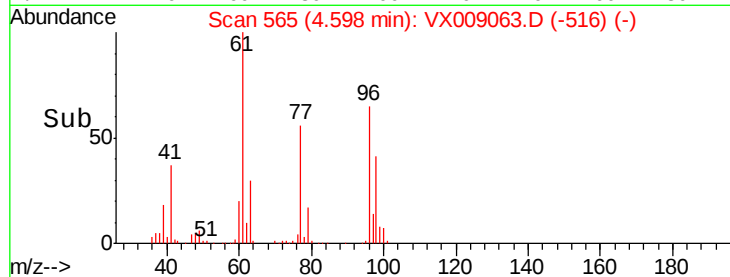
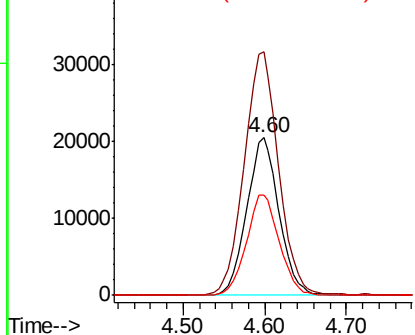
cis-1,2-Dichloroethene
 Concen: 20.535 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	96	Resp	56545
Ion	Ratio	Lower	Upper
96	100		
61	164.7	0.0	322.0
98	65.1	0.0	128.4



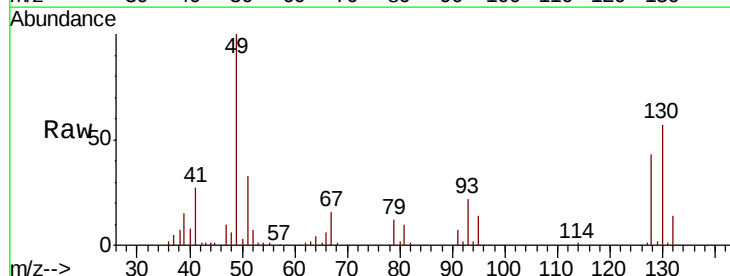
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



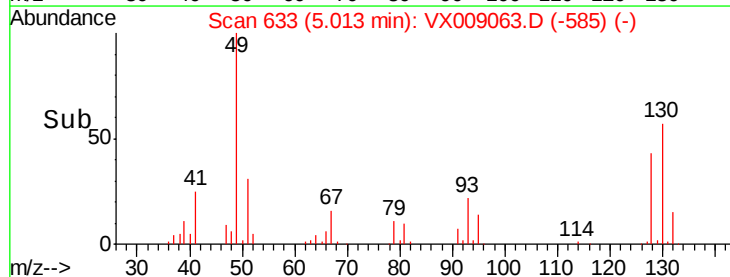
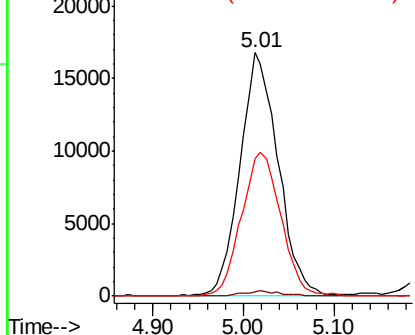
#28

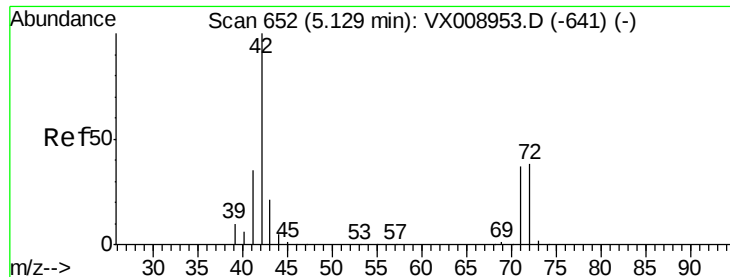
Bromochloromethane
 Concen: 23.309 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	49	Resp	48918
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	61.0	50.4	75.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

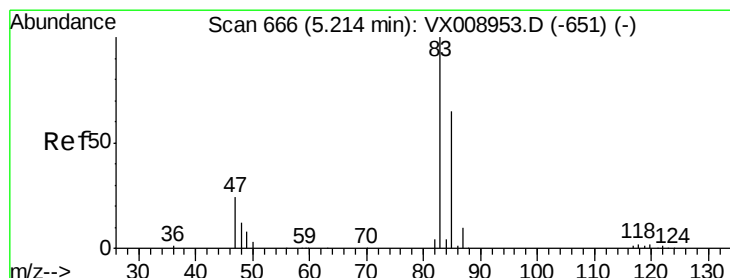
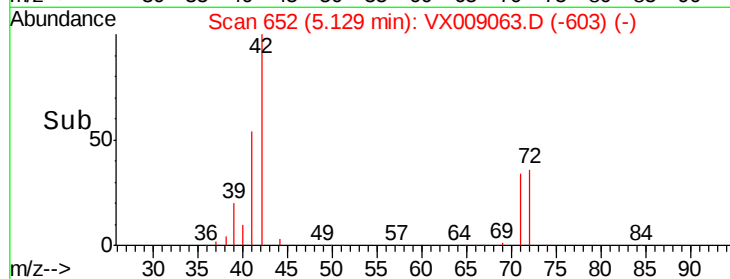
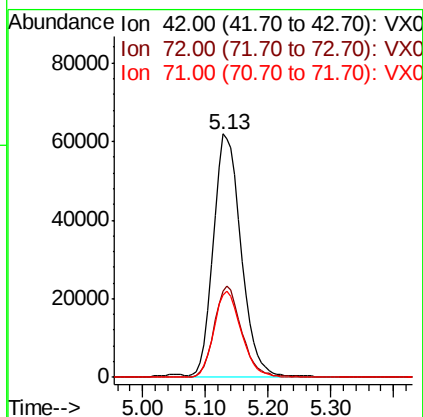
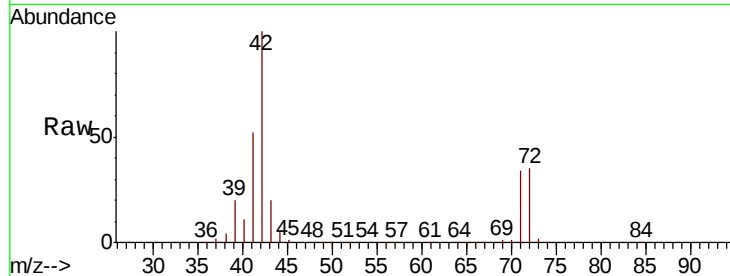




#29
Tetrahydrofuran
Concen: 113.320 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

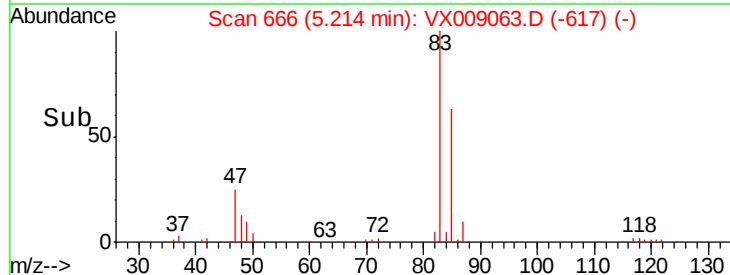
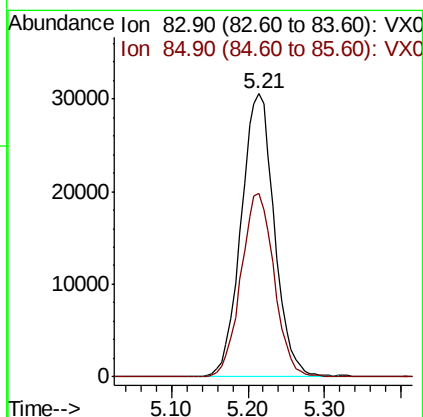
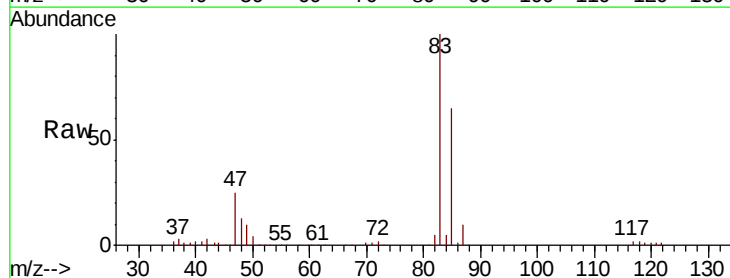
Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

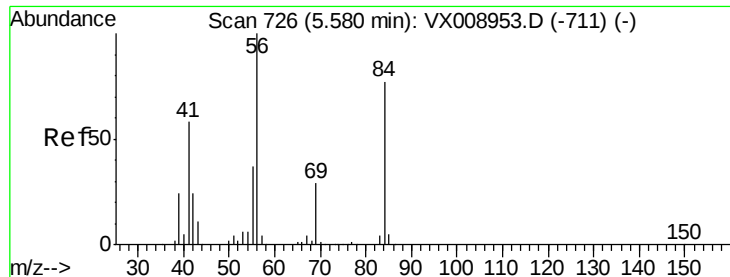
Tot Ion: 42 Resp: 187864
Ion Ratio Lower Upper
42 100
72 37.5 30.6 45.8
71 35.4 28.8 43.2



#30
Chloroform
Concen: 21.297 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 83 Resp: 92219
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9





#31

Cyclohexane

Concen: 20.690 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

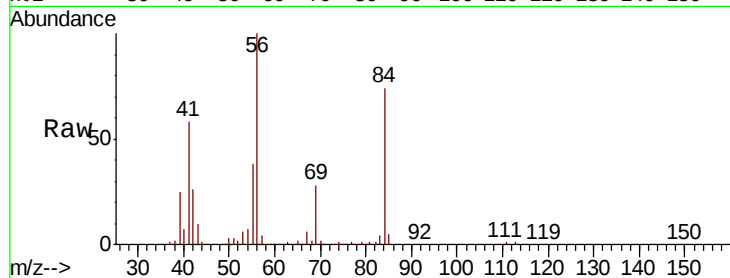
Tot Ion: 56 Resp: 98470

Ion Ratio Lower Upper

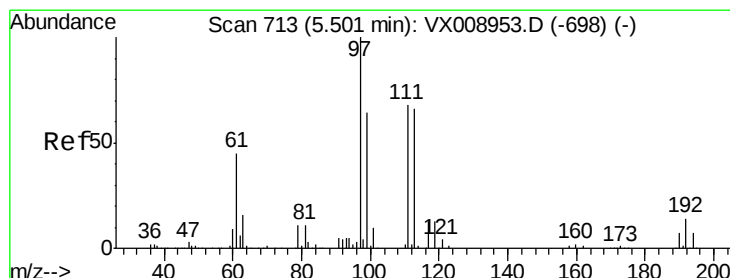
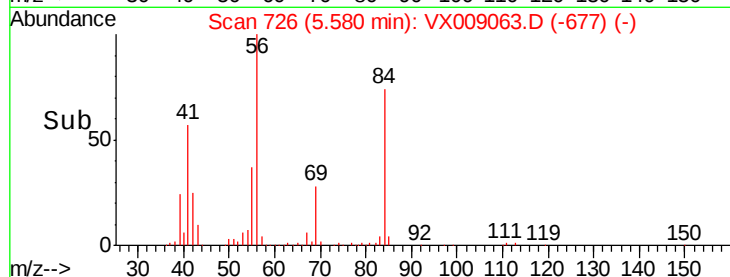
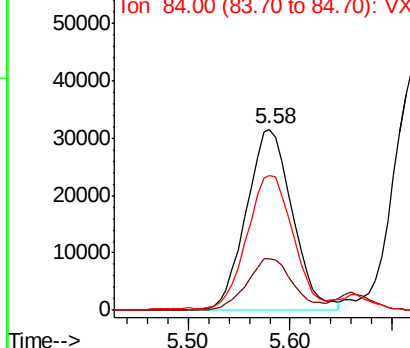
56 100

69 28.5 23.3 34.9

84 73.1 61.7 92.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.816 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

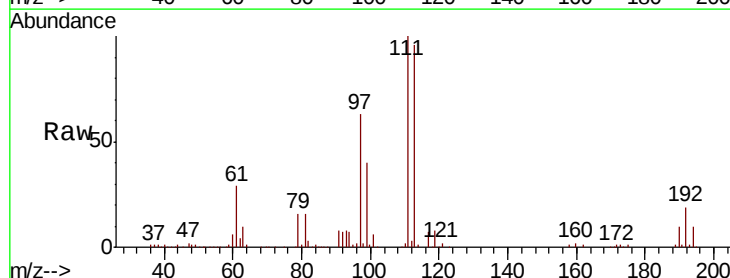
Tgt Ion: 97 Resp: 74704

Ion Ratio Lower Upper

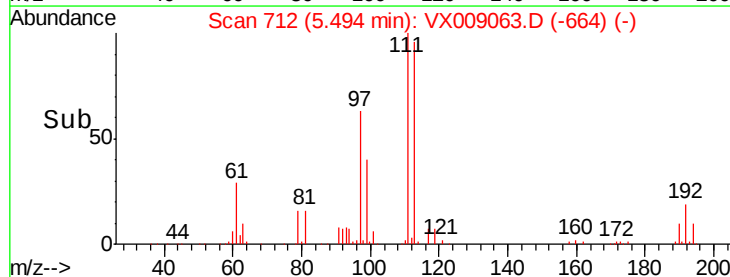
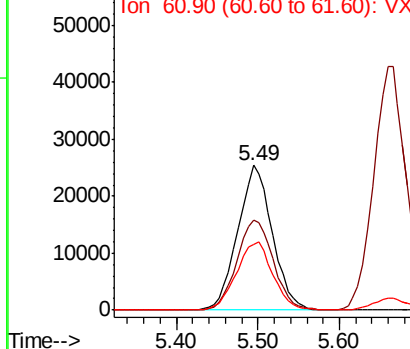
97 100

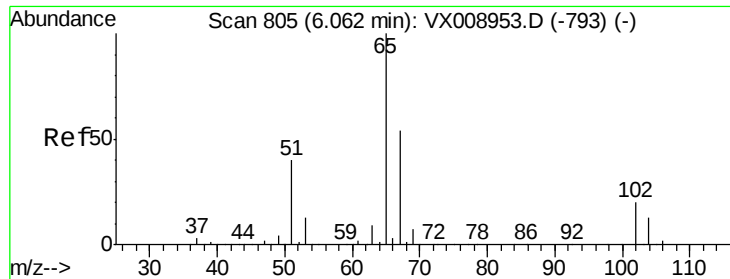
99 65.4 51.6 77.4

61 49.8 37.9 56.9



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

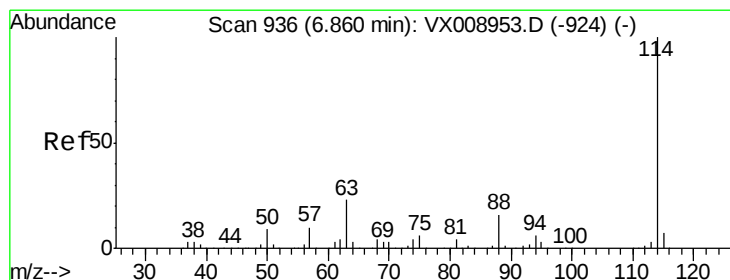
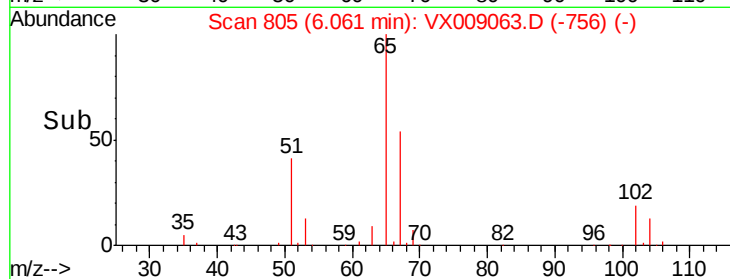
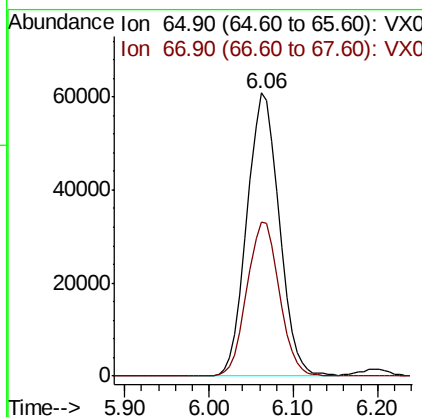
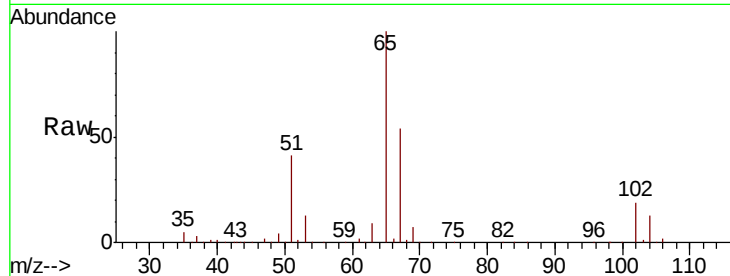




#33
 1,2-Dichloroethane-d4
 Concen: 53.166 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

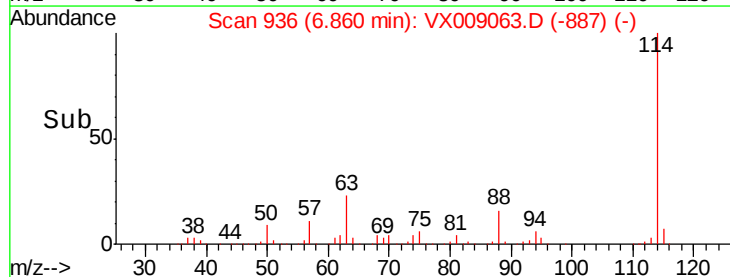
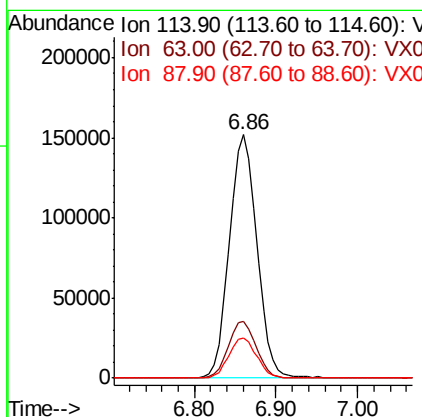
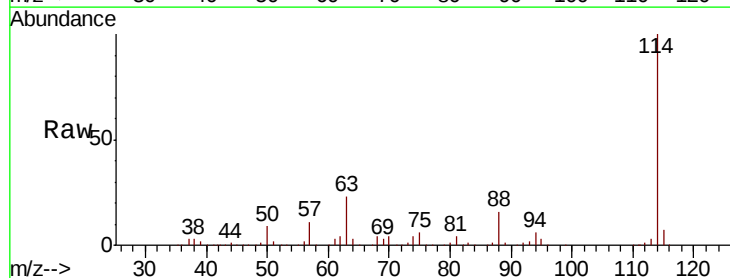
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion: 65 Resp: 158866
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 114 Resp: 354207
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.0
 88 16.2 0.0 32.6

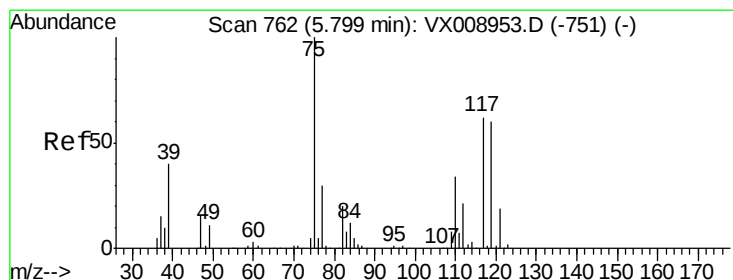
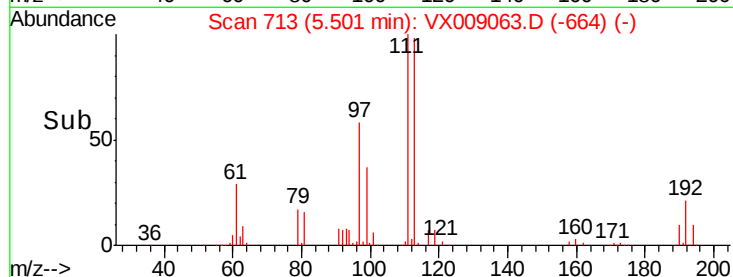
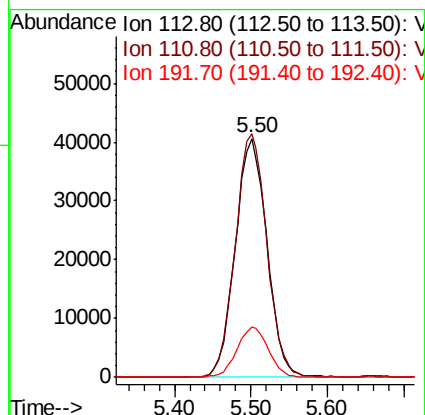
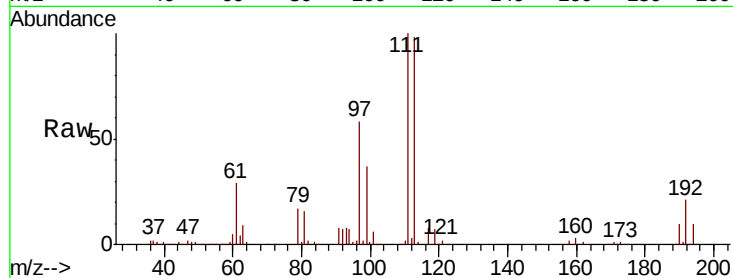




#35
 Dibromofluoromethane
 Concen: 51.285 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

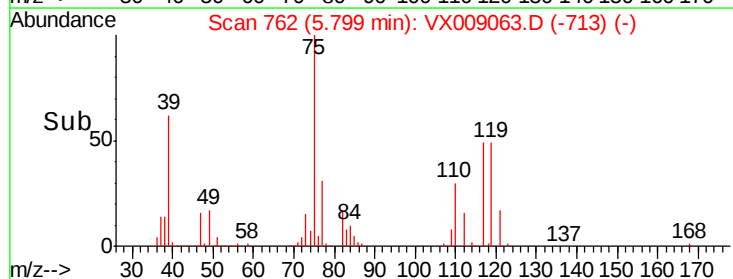
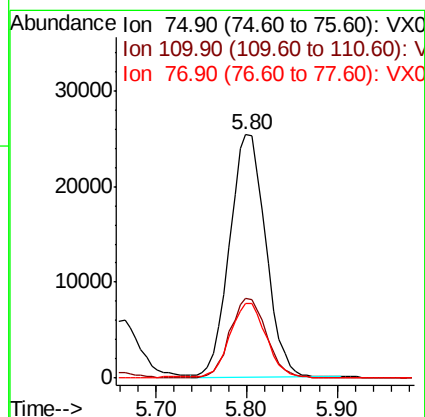
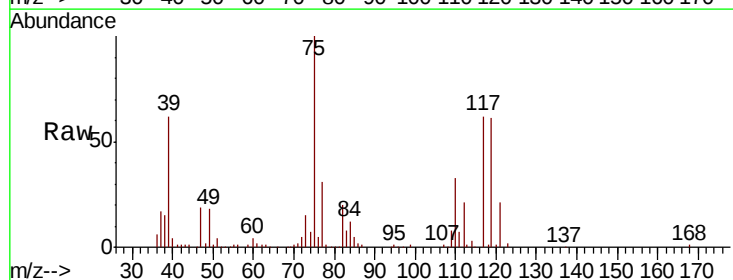
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

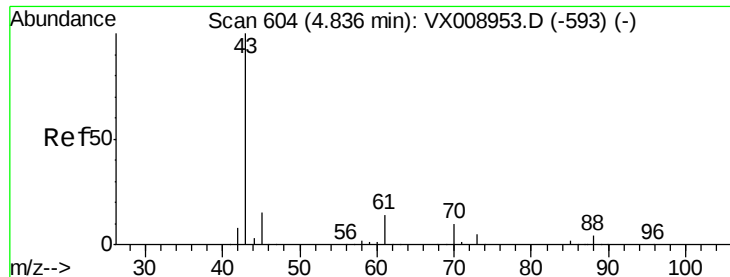
Tot Ion:113 Resp: 116582
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 21.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 19.105 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 75 Resp: 69985
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.7
 77 31.5 25.0 37.4





#37

Ethyl Acetate

Concen: 22.411 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

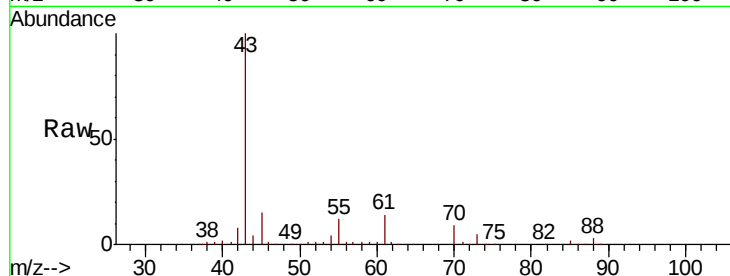
Tot Ion: 43 Resp: 105642

Ion Ratio Lower Upper

43 100

61 13.1 10.6 15.8

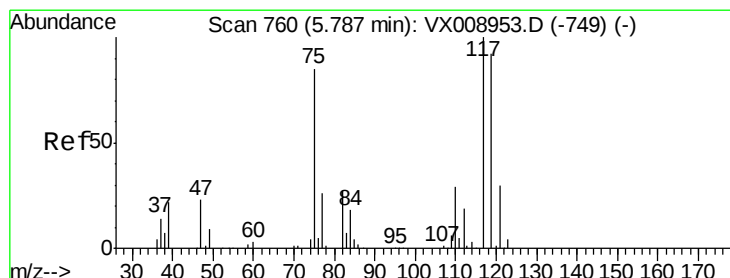
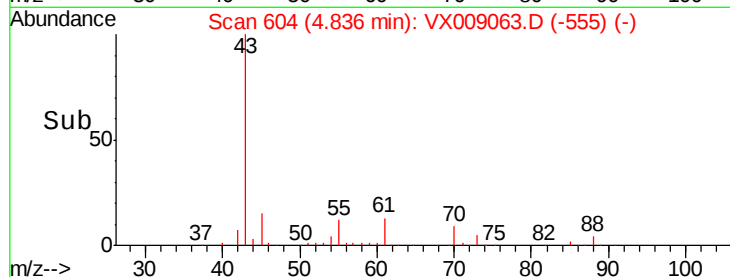
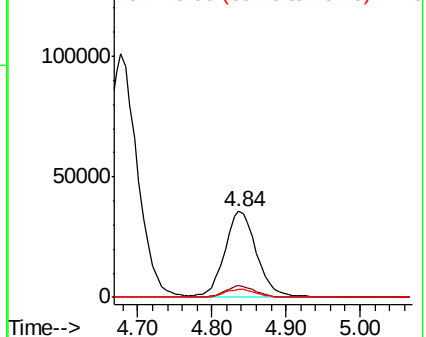
70 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.661 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

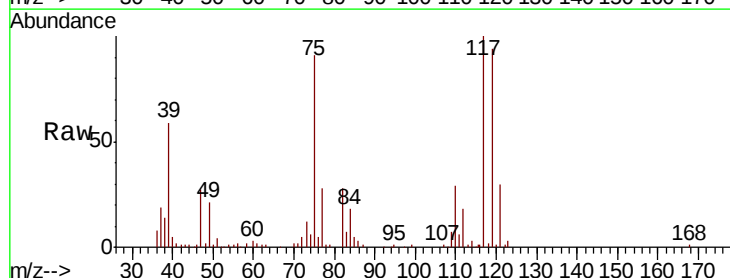
Tgt Ion: 117 Resp: 61058

Ion Ratio Lower Upper

117 100

119 94.1 73.8 110.8

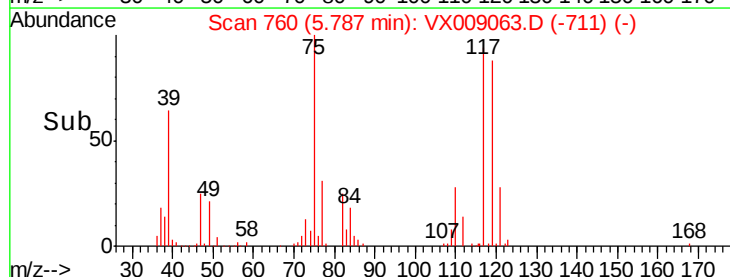
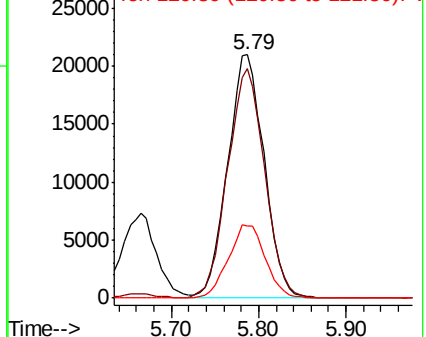
121 29.5 23.6 35.4



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

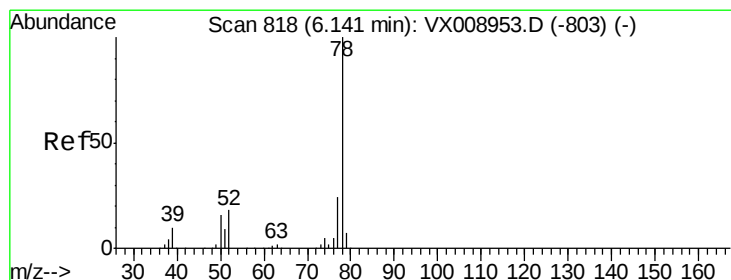
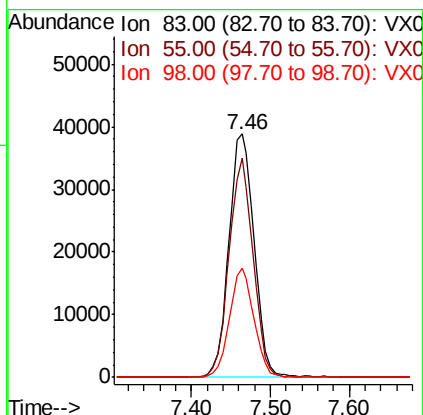
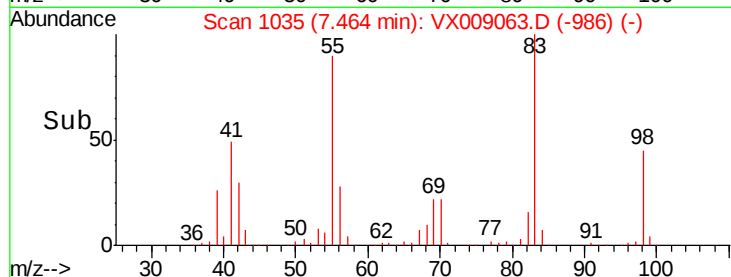
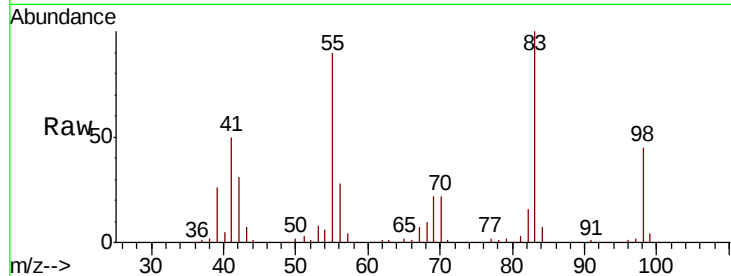




#39
Methvlcvclohexane
Concen: 19.372 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

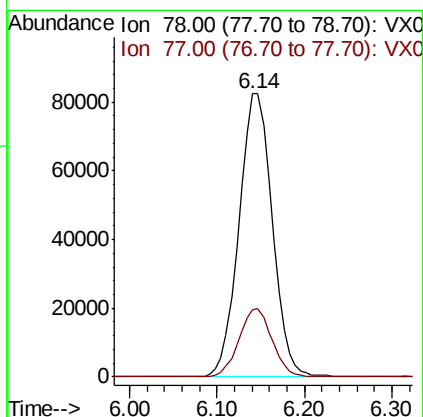
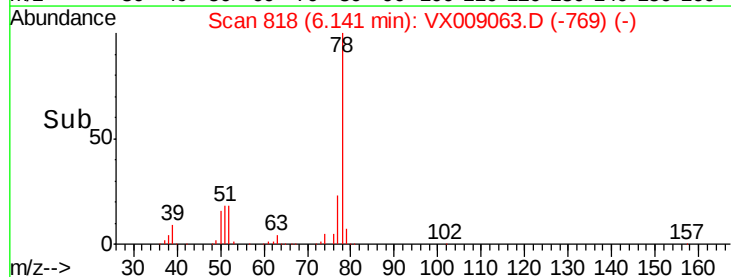
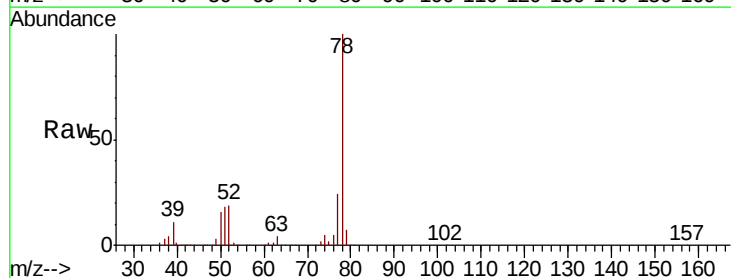
Instrument :
MSVOA_X
ClientSampled :
VX0419MBS01

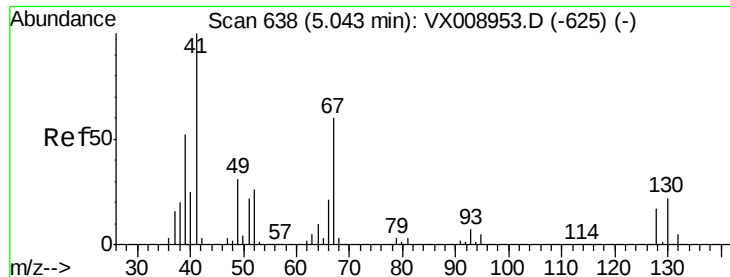
Tot Ion: 83 Resp: 86402
Ion Ratio Lower Upper
83 100
55 89.7 67.1 100.7
98 44.9 35.1 52.7



#40
Benzene
Concen: 20.193 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 78 Resp: 218225
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

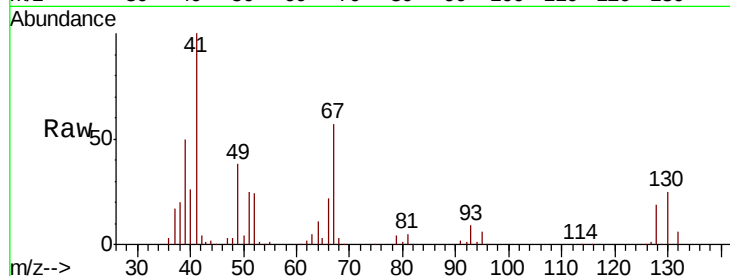




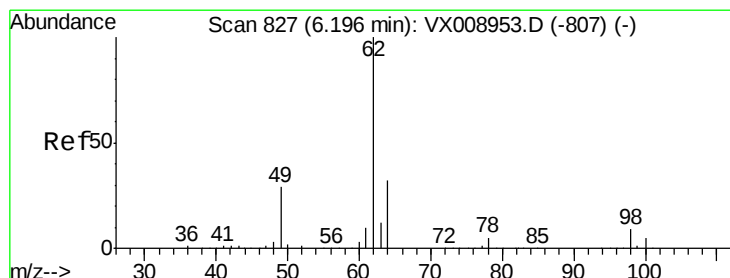
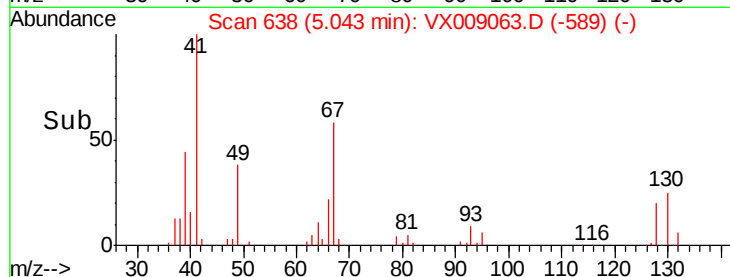
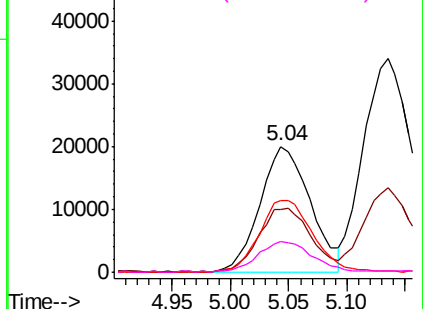
#41
Methacrylonitrile
Concen: 22.275 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion:	41	Resp:	60262
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.8	62.6
67	60.7	50.2	75.4
52	25.4	21.1	31.7

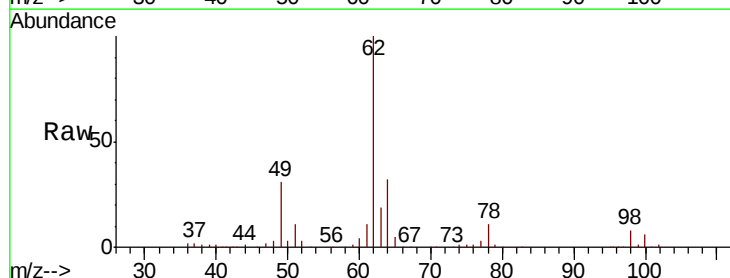


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

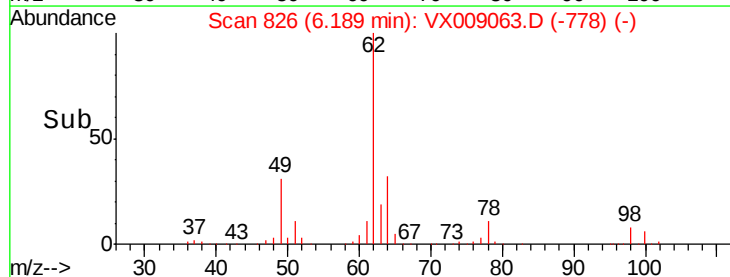
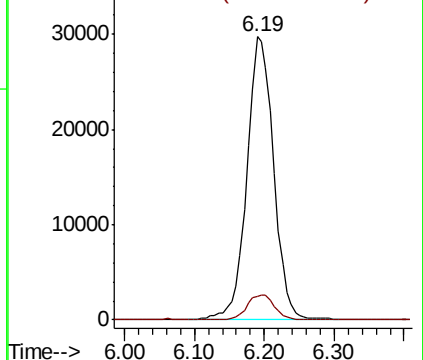


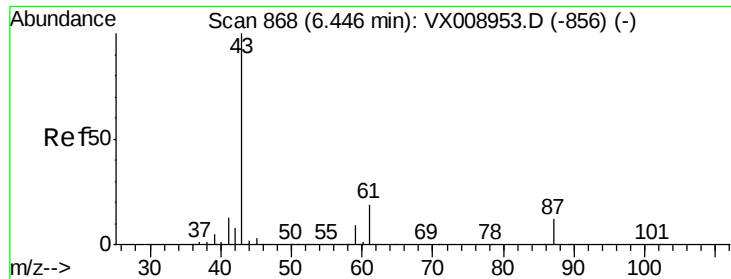
#42
1,2-Dichloroethane
Concen: 20.649 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:	62	Resp:	79048
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 21.251 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

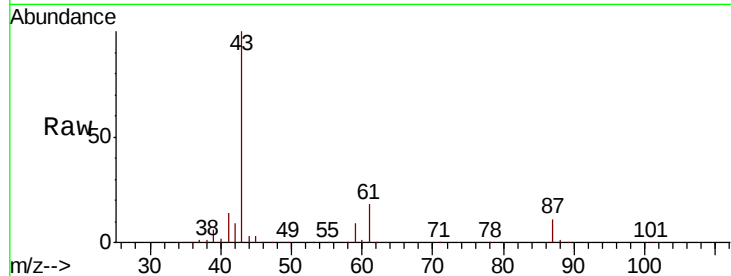
Tot Ion: 43 Resp: 161431

Ion Ratio Lower Upper

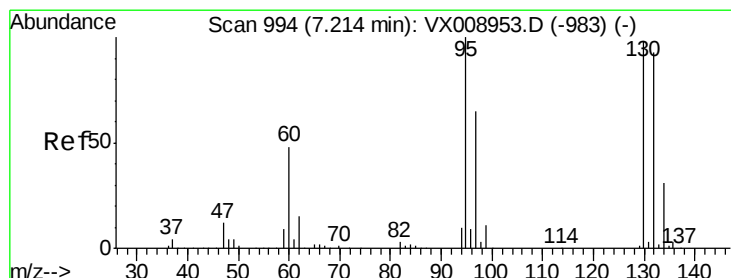
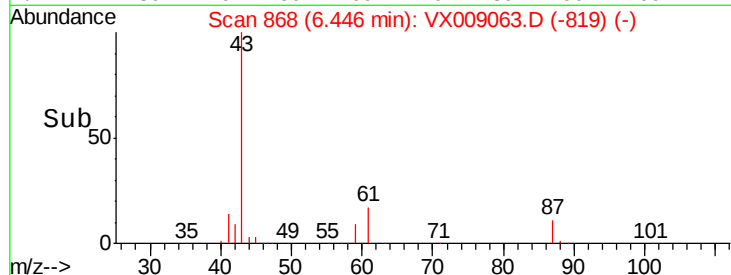
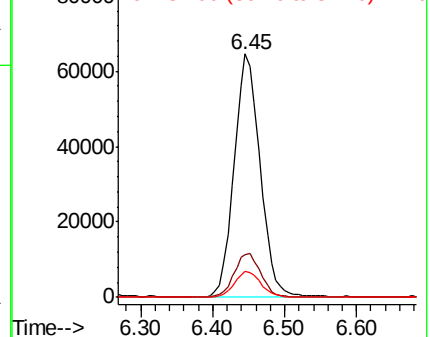
43 100

61 18.6 15.4 23.0

87 11.1 9.0 13.4



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: 19.136 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009063.D

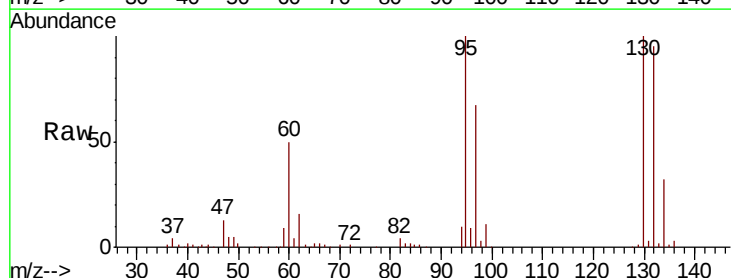
Acq: 19 Apr 2019 12:23

Tgt Ion:130 Resp: 50671

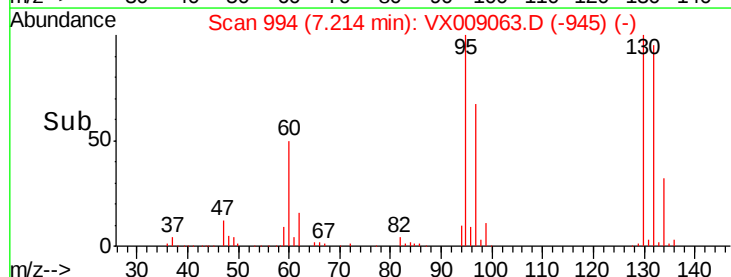
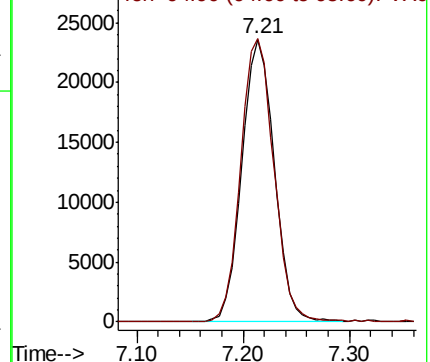
Ion Ratio Lower Upper

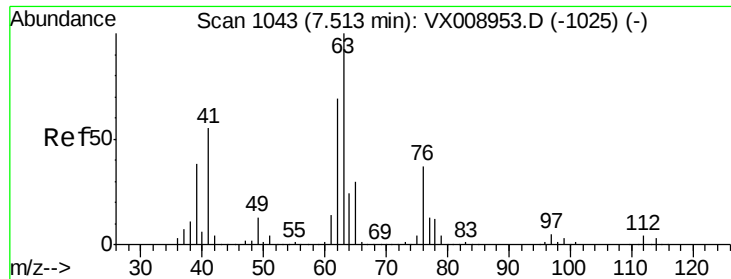
130 100

95 100.1 0.0 203.2



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





#45

1,2-Dichloropropane

Concen: 20.584 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

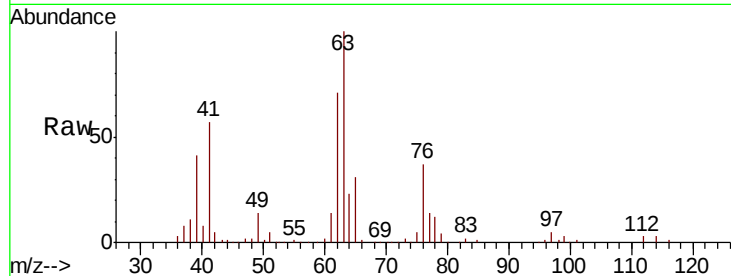
VX0419MBS01

Tot Ion: 63 Resp: 61712

Ion Ratio Lower Upper

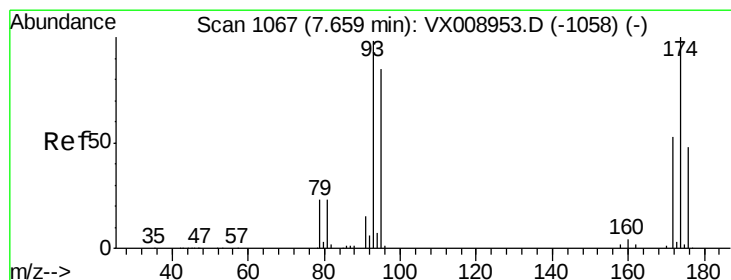
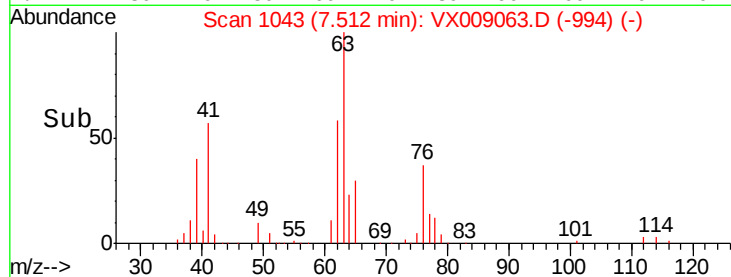
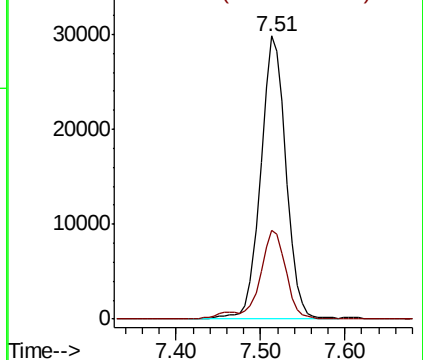
63 100

65 31.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.098 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

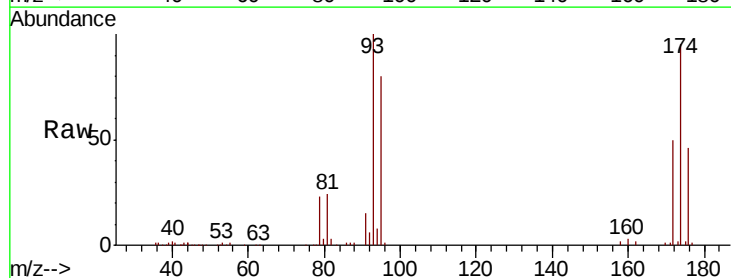
Tgt Ion: 93 Resp: 35067

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

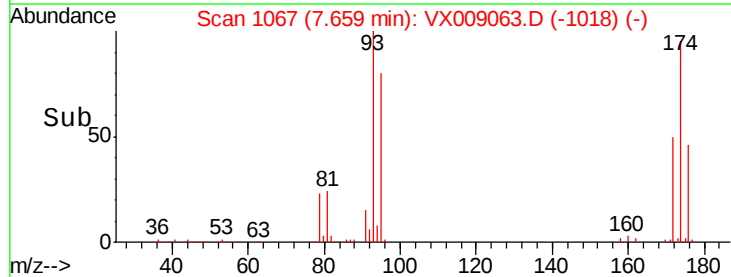
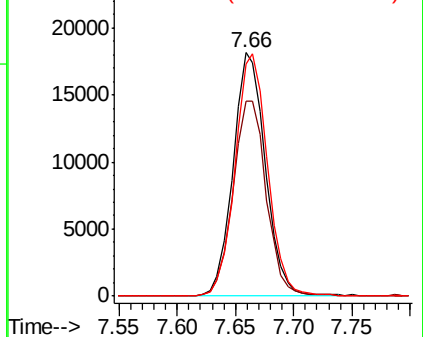
174 100.1 81.6 122.4

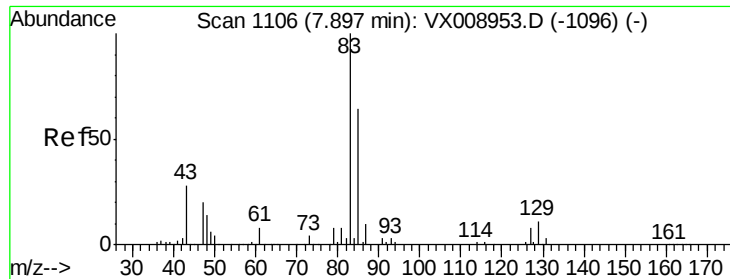


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.648 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

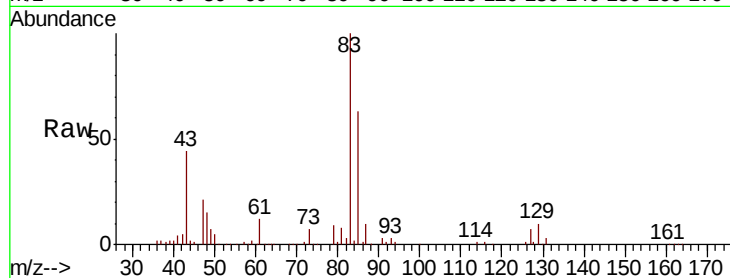
Tot Ion: 83 Resp: 67240

Ion Ratio Lower Upper

83 100

85 63.2 50.8 76.2

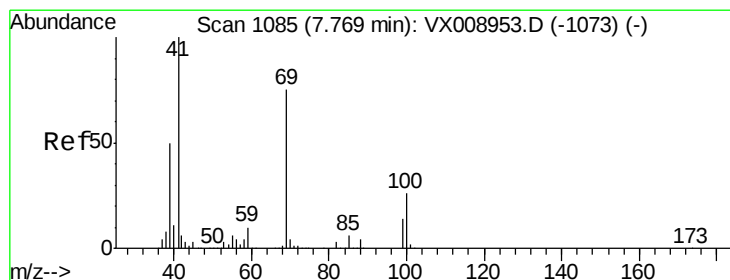
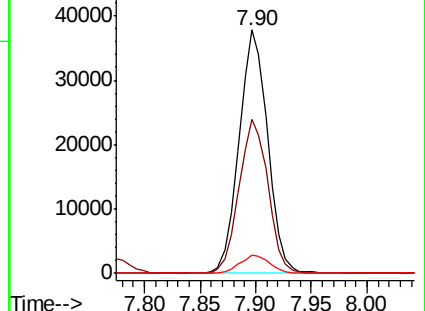
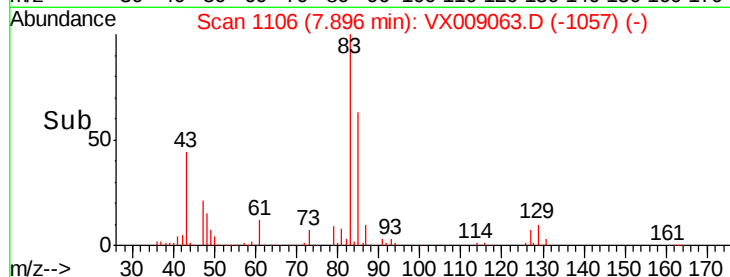
127 7.5 6.4 9.6



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: 21.523 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

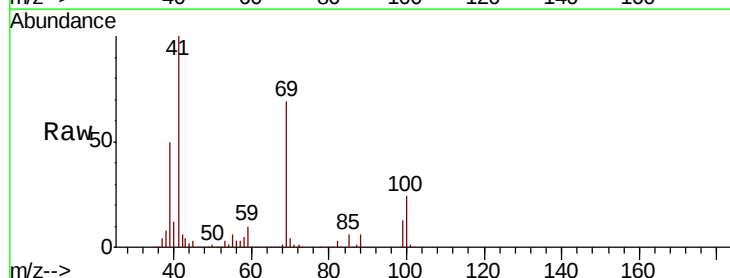
Tgt Ion: 41 Resp: 80784

Ion Ratio Lower Upper

41 100

69 72.0 59.4 89.2

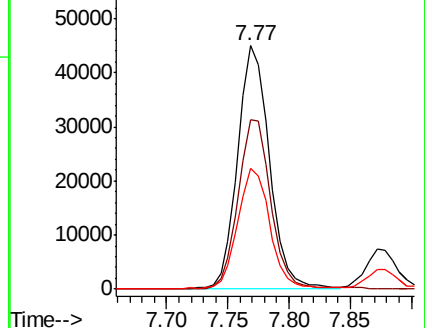
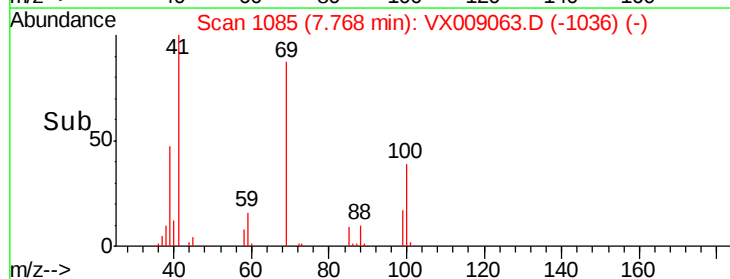
39 51.0 39.8 59.6

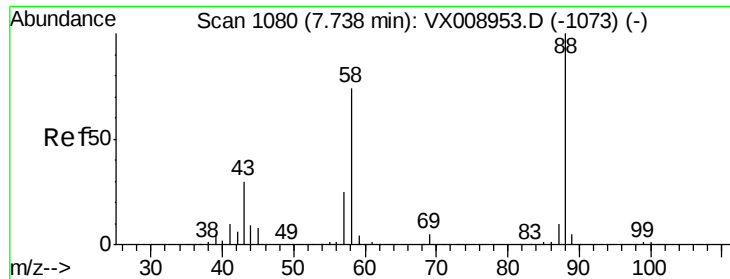


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

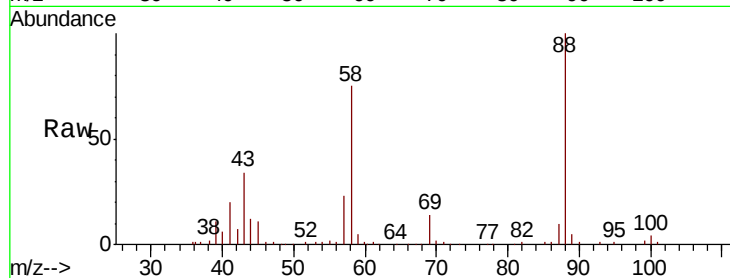




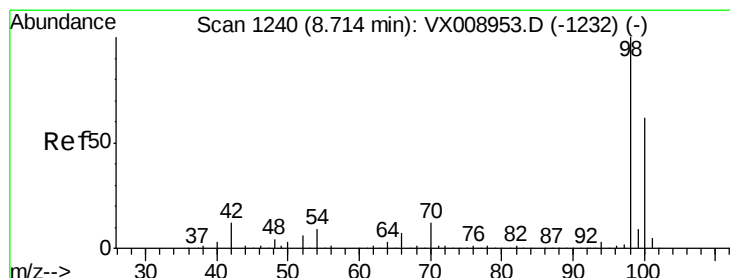
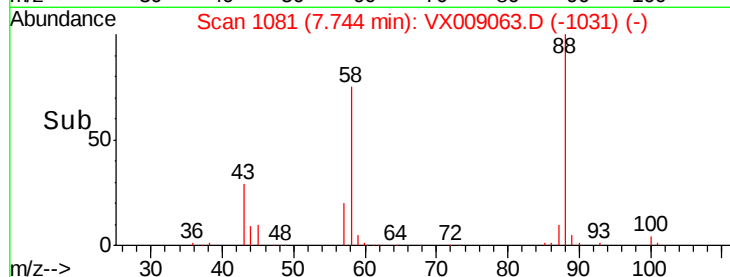
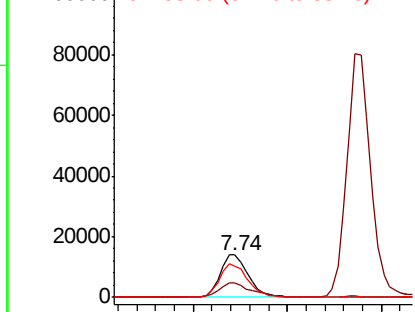
#49
1,4-Dioxane
Concen: 411.604 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion: 88 Resp: 28916
Ion Ratio Lower Upper
88 100
43 37.9 29.3 43.9
58 80.9 62.6 93.8

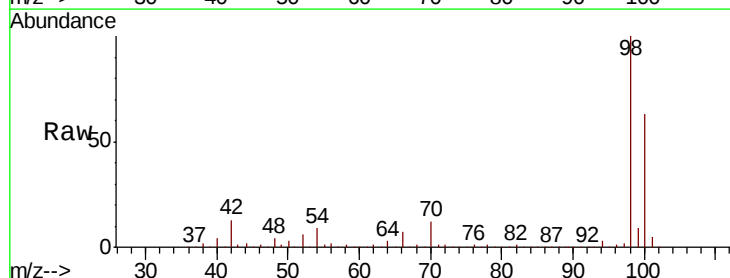


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

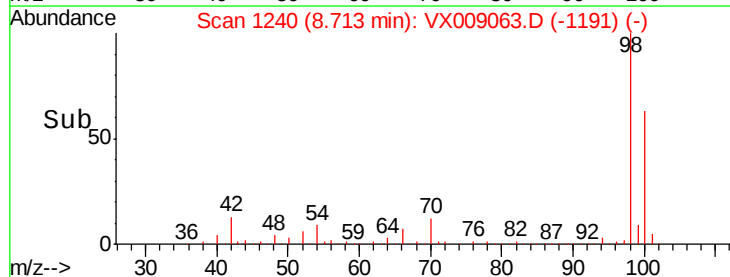
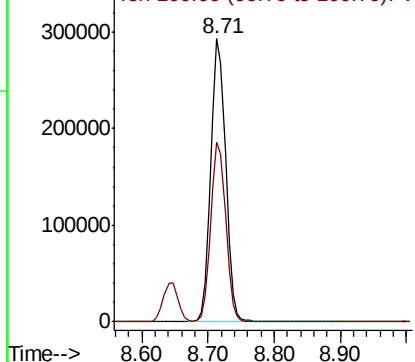


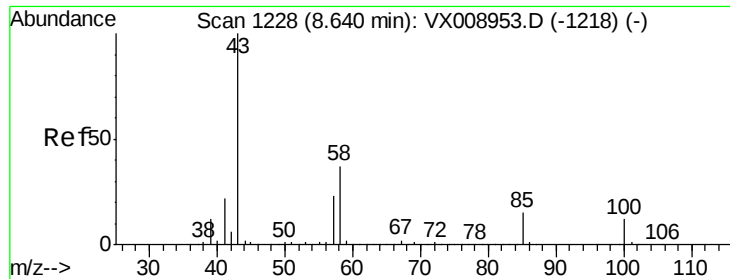
#50
Toluene-d8
Concen: 50.602 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 98 Resp: 458744
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



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

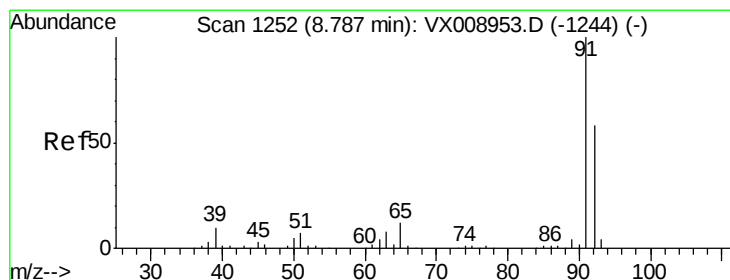
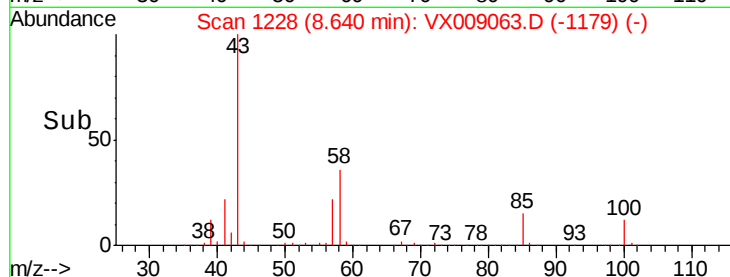
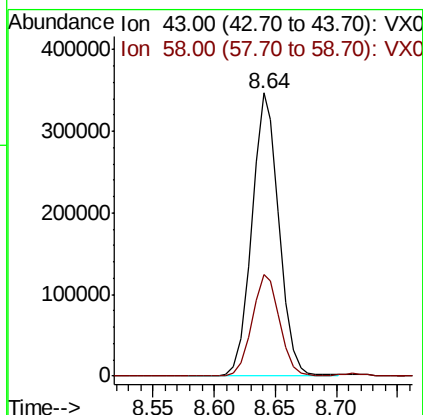
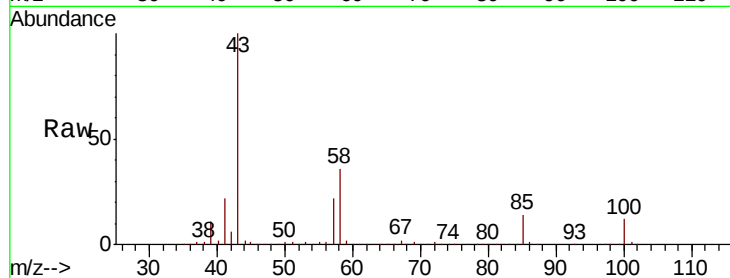




#51
 4-Methyl-2-Pentanone
 Concen: 110.341 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

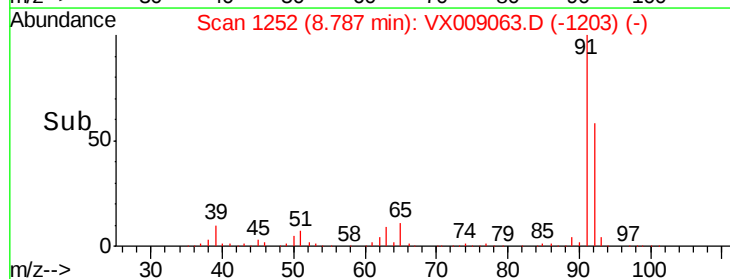
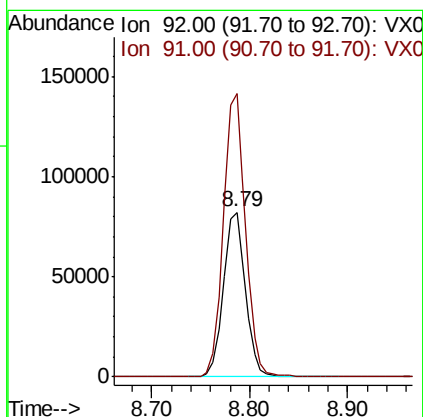
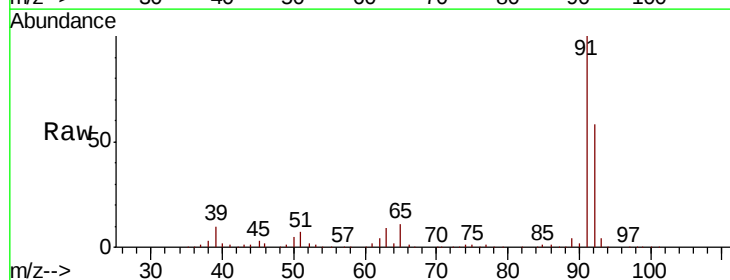
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

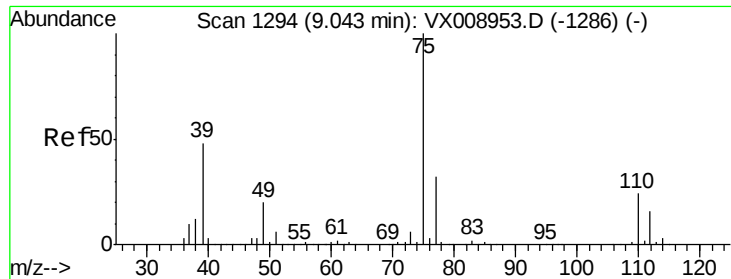
Tot Ion: 43 Resp: 533984
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.6



#52
 Toluene
 Concen: 19.842 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 92 Resp: 128512
 Ion Ratio Lower Upper
 92 100
 91 172.1 138.5 207.7

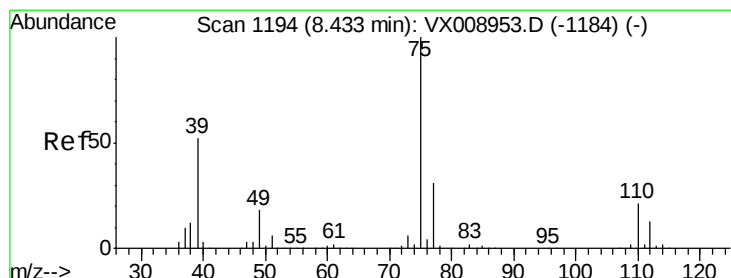
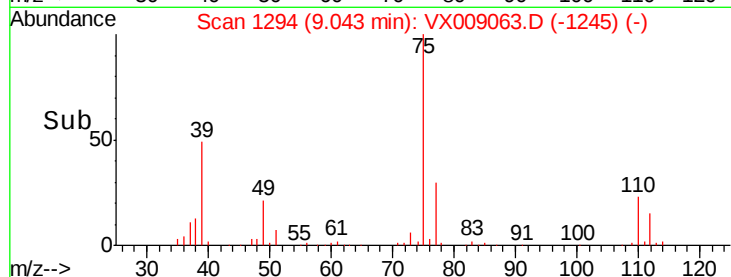
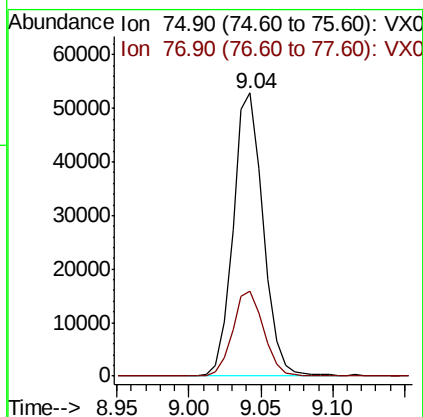
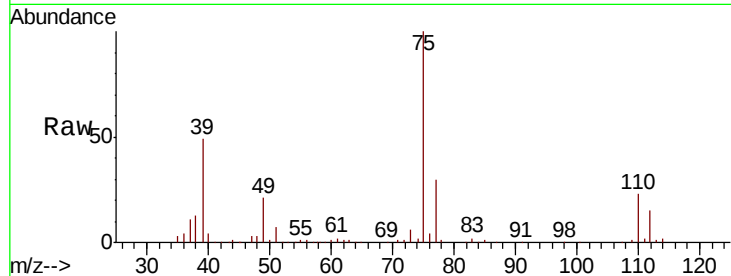




#53
 t-1,3-Dichloropropene
 Concen: 19.551 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

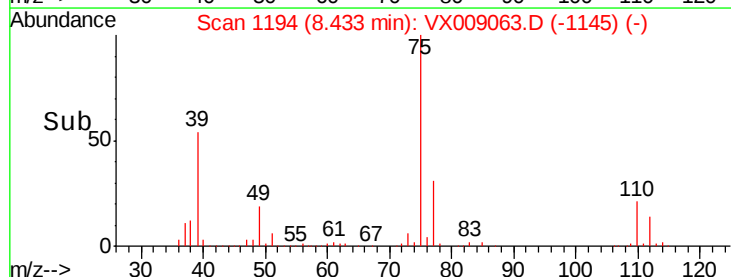
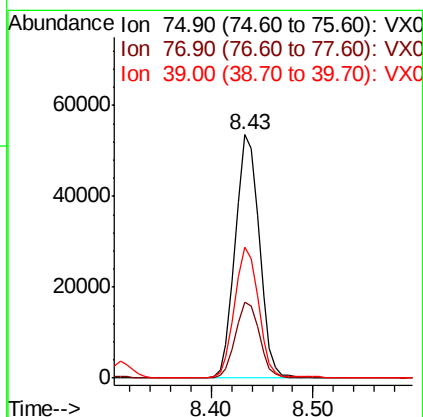
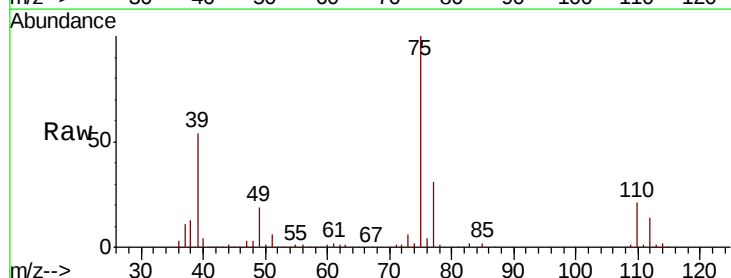
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

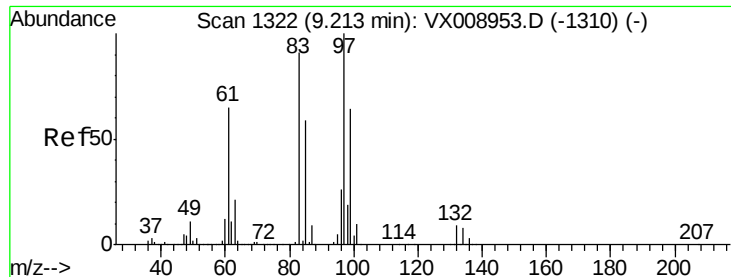
Tot Ion: 75 Resp: 77001
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.783 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 75 Resp: 87242
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 53.4 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 20.641 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 97 Resp: 52983

Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.6	108.8
85	57.5	46.9	70.3
99	61.9	51.0	76.6

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

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21

40000

30000

20000

10000

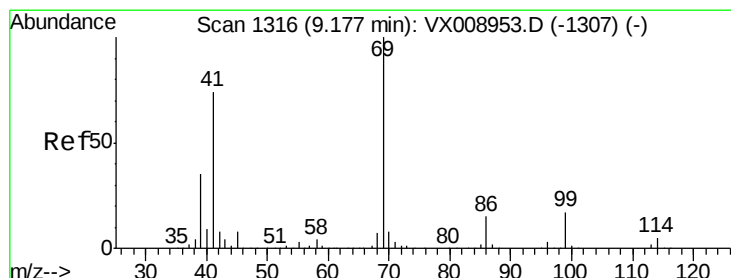
0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.21



#56

Ethyl methacrylate

Concen: 20.511 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion: 69 Resp: 94408

Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.2	90.2
39	36.1	27.9	41.9

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

Time-->

9.10 9.15 9.20 9.25 9.30

9.18

80000

60000

40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.18

80000

60000

40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->

9.10 9.15 9.20 9.25 9.30

9.18

80000

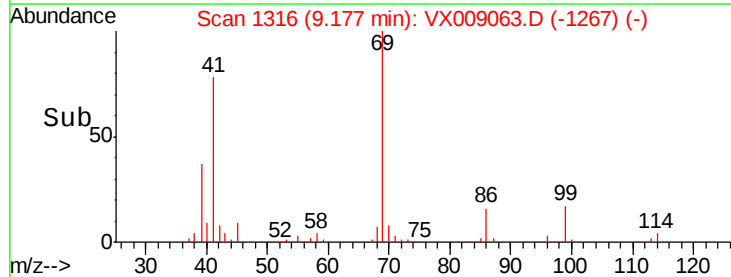
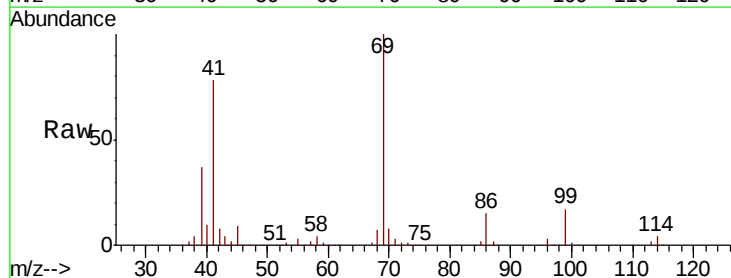
60000

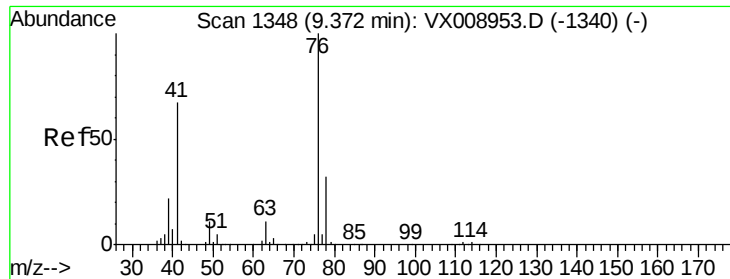
40000

20000

0

9.10 9.15 9.20 9.25 9.30





#57

1,3-Dichloropropane

Concen: 20.834 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

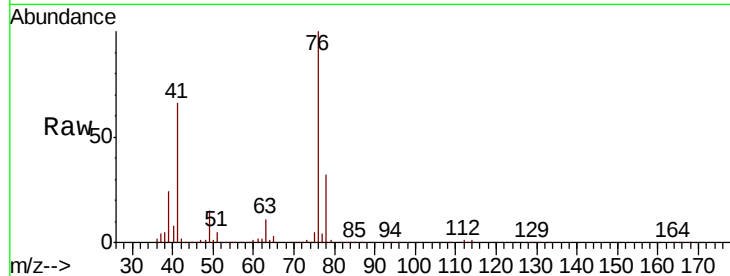
VX0419MBS01

Tot Ion: 76 Resp: 95218

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

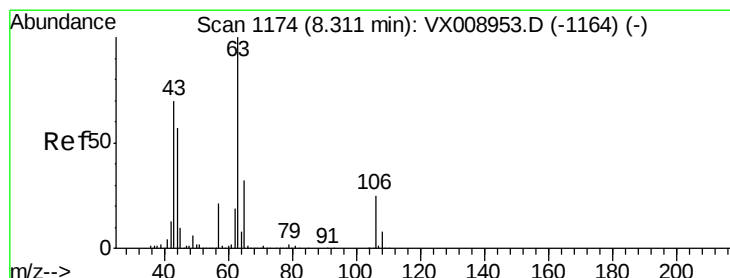
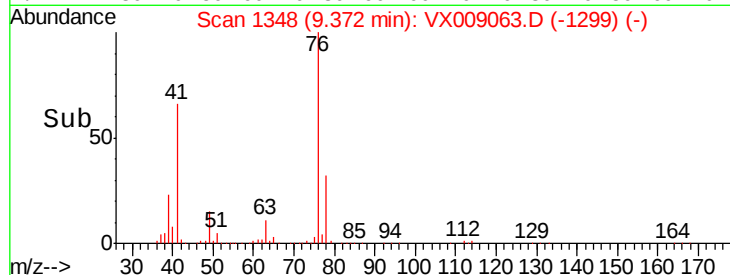
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.405 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009063.D

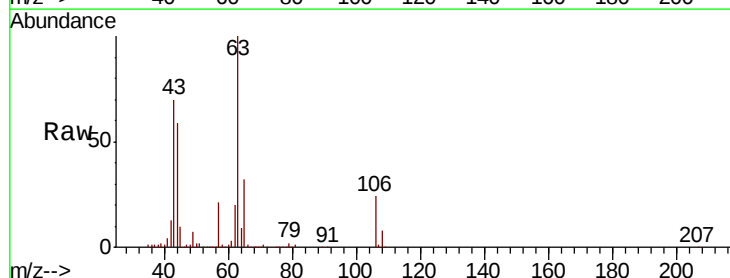
Acq: 19 Apr 2019 12:23

Tgt Ion: 63 Resp: 261255

Ion Ratio Lower Upper

63 100

106 24.0 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

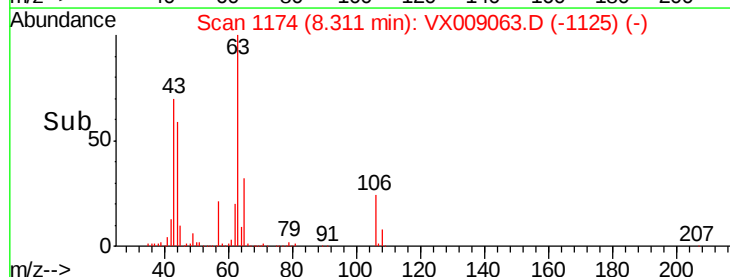
150000

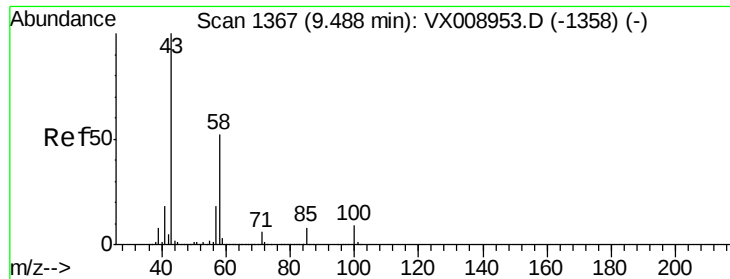
100000

50000

0

Time-->

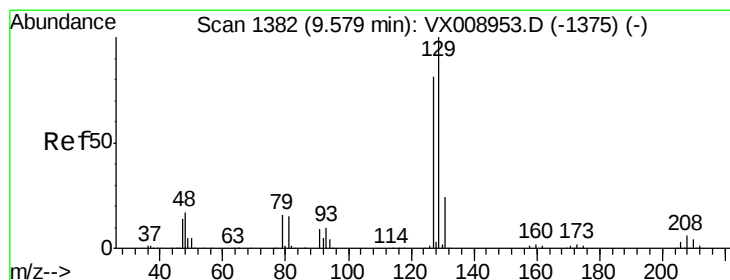
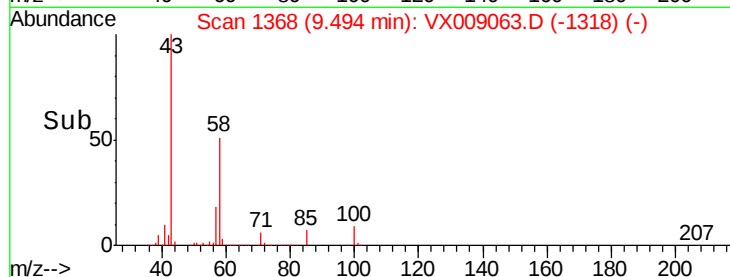
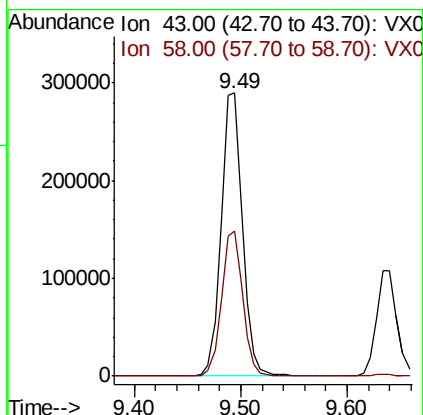
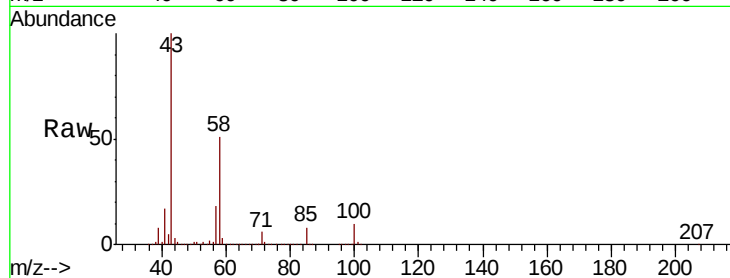




#59
2-Hexanone
Concen: 108.708 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

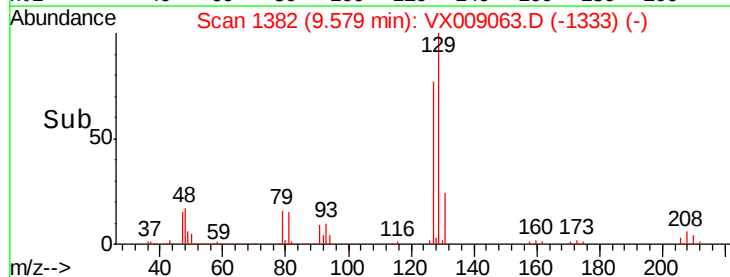
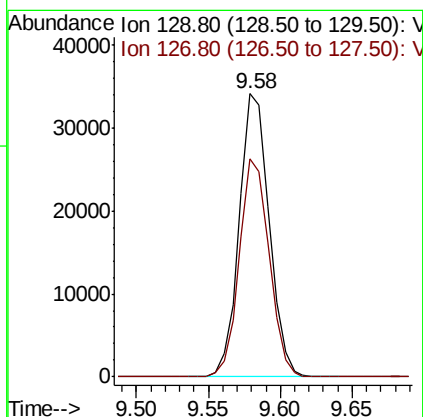
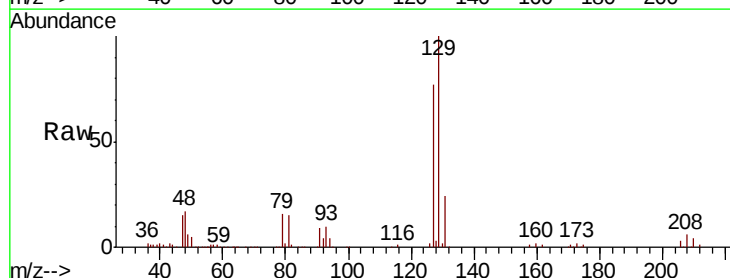
Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

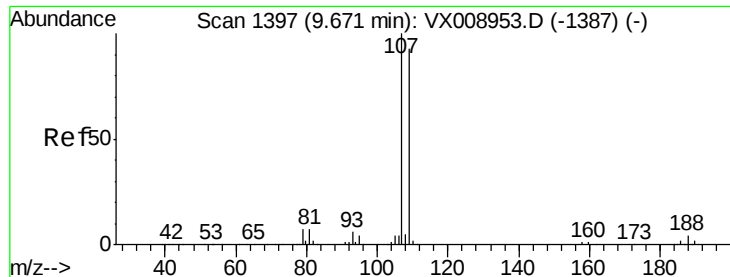
Tot Ion: 43 Resp: 405600
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8



#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:129 Resp: 49379
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.026 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

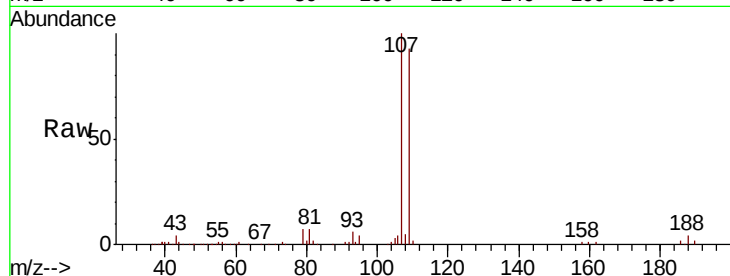
VX0419MBS01

Tot Ion:107 Resp: 53055

Ion Ratio Lower Upper

107 100

109 95.6 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

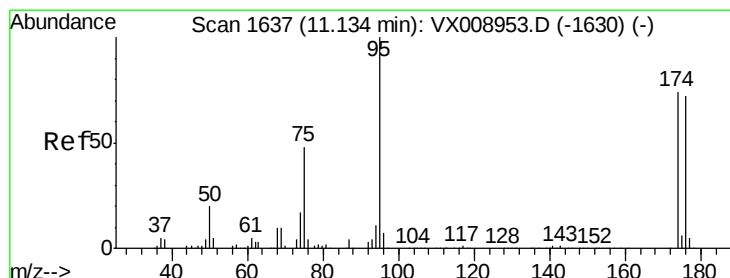
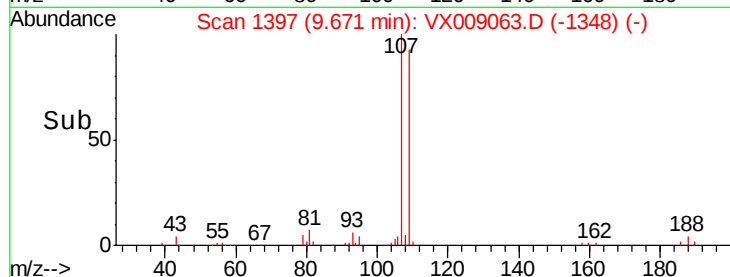
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.445 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

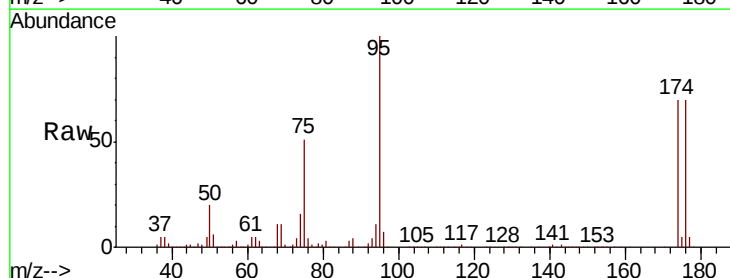
Tgt Ion: 95 Resp: 158235

Ion Ratio Lower Upper

95 100

174 77.4 0.0 159.6

176 76.6 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

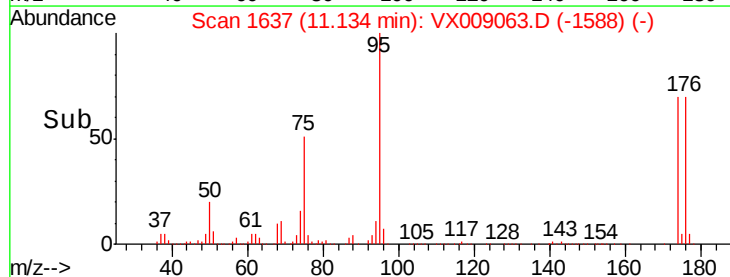
100000

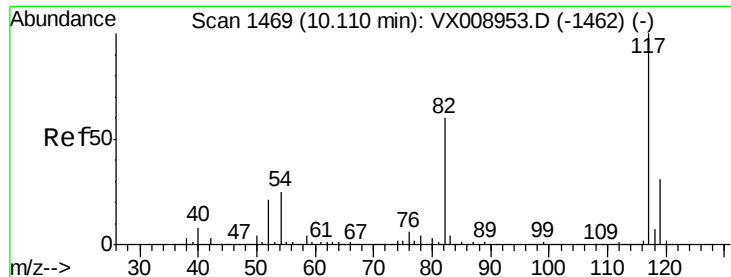
50000

0

11.10 11.20

Time-->

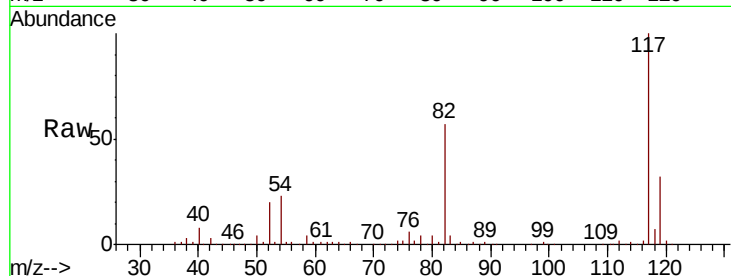




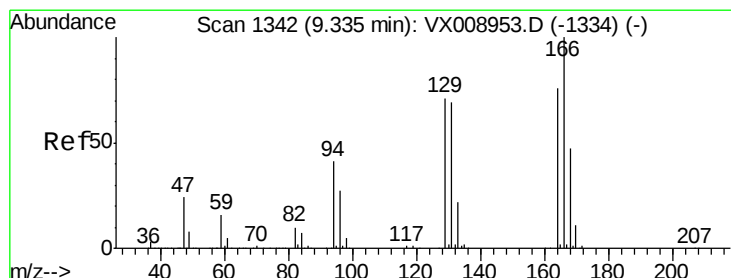
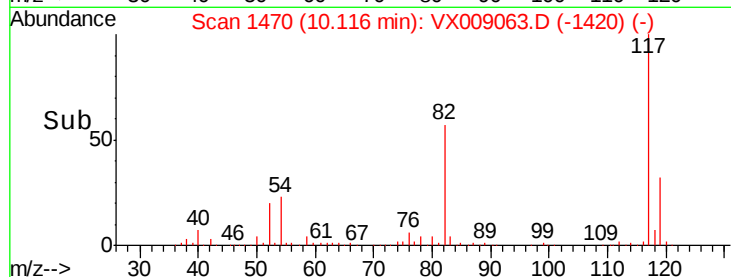
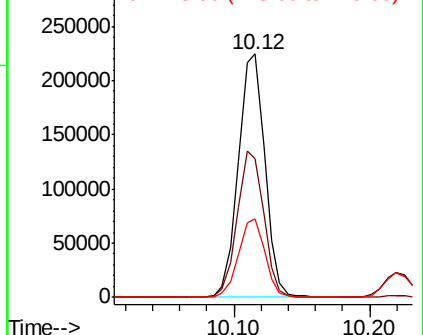
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion:117 Resp: 306772
Ion Ratio Lower Upper
117 100
82 57.1 48.2 72.4
119 32.3 25.0 37.6

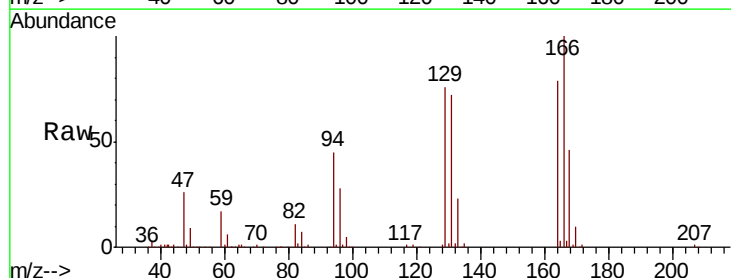


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

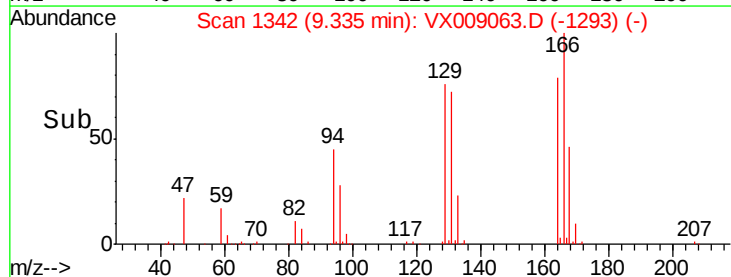
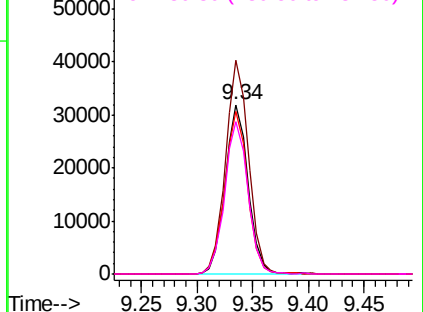


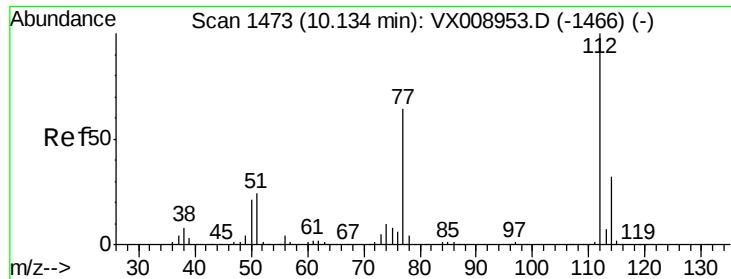
#64
Tetrachloroethene
Concen: 19.556 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:164 Resp: 45574
Ion Ratio Lower Upper
164 100
166 126.2 105.0 157.4
129 96.1 74.2 111.4
131 90.4 72.2 108.2



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

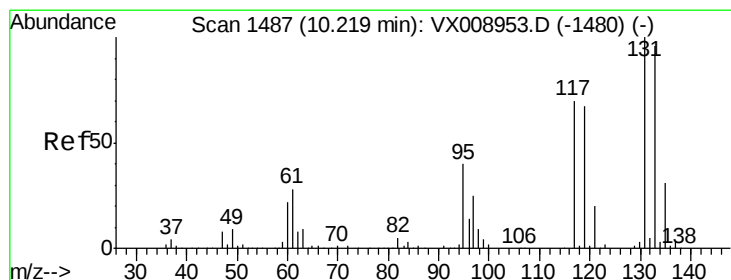
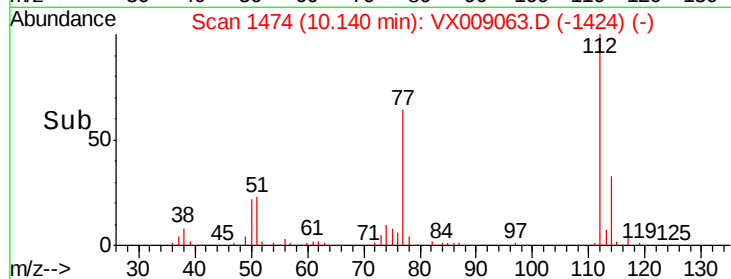
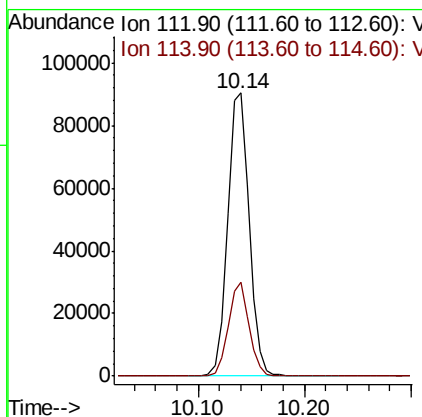
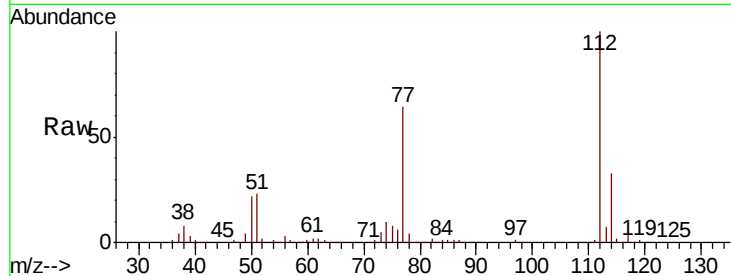




#65
Chlorobenzene
Concen: 19.775 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

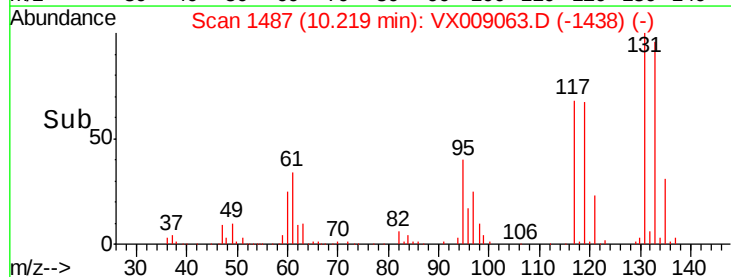
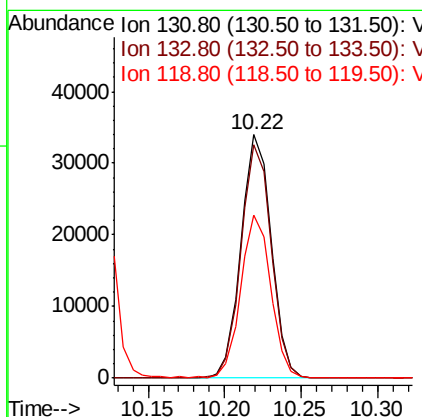
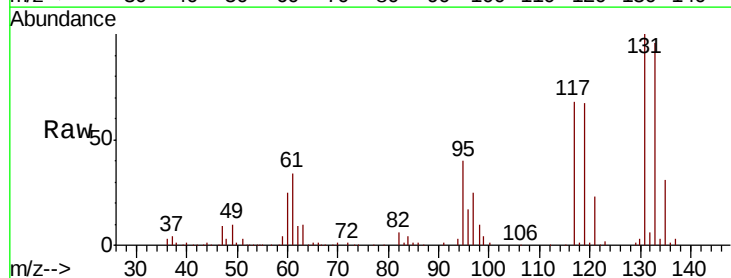
Instrument :
MSVOA_X
ClientSampled :
VX0419MBS01

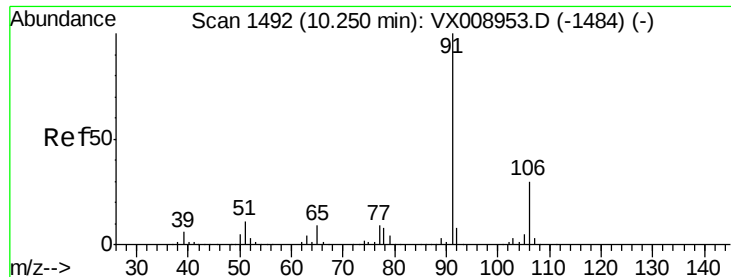
Tot Ion:112 Resp: 128049
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.470 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:131 Resp: 46693
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 67.0 33.7 101.1





#67

Ethyl Benzene

Concen: 19.963 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

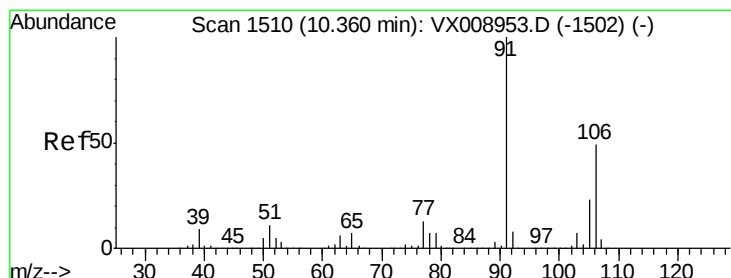
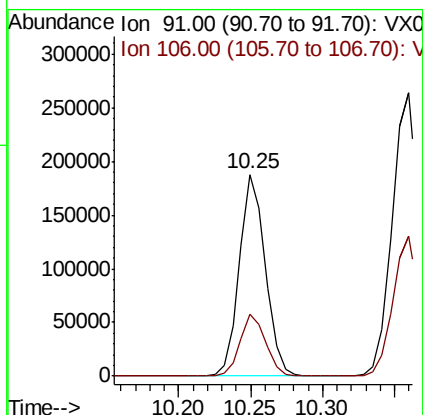
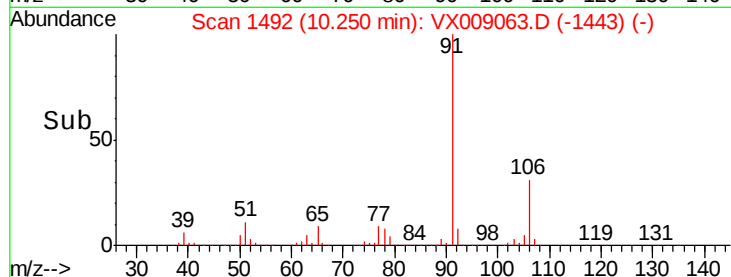
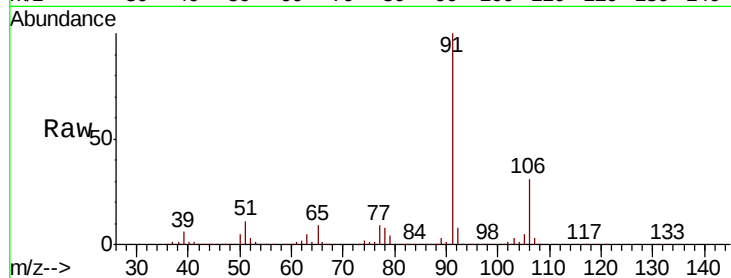
VX0419MBS01

Tot Ion: 91 Resp: 236296

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5



#68

m/p-Xylenes

Concen: 39.704 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009063.D

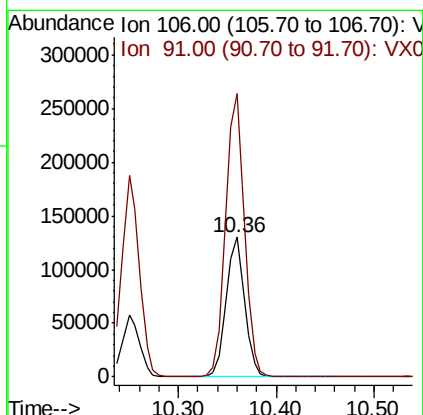
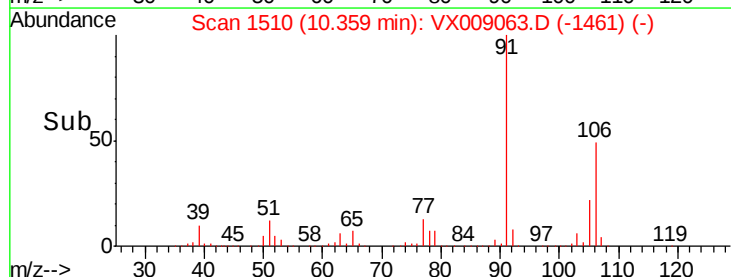
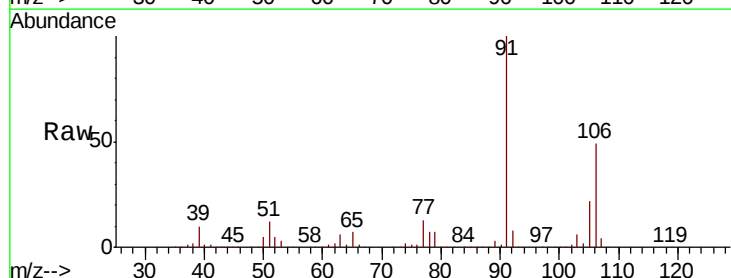
Acq: 19 Apr 2019 12:23

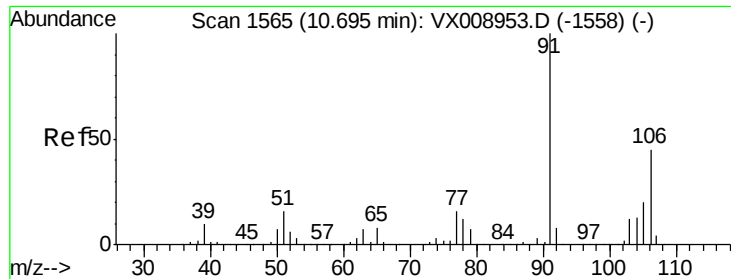
Tgt Ion: 106 Resp: 170798

Ion Ratio Lower Upper

106 100

91 206.7 165.4 248.2

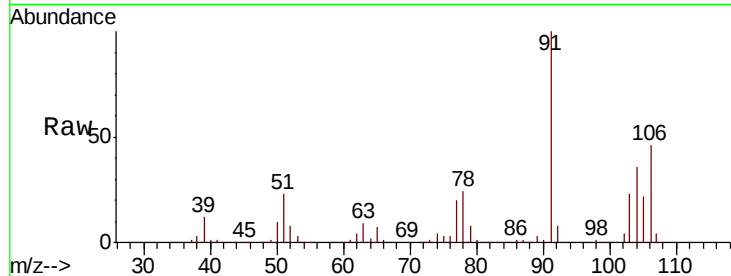




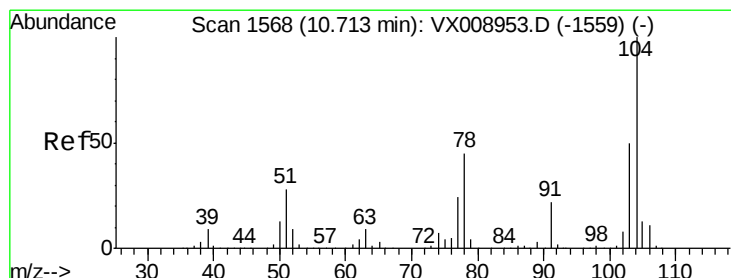
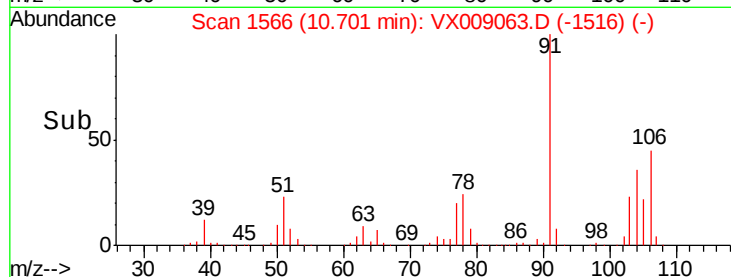
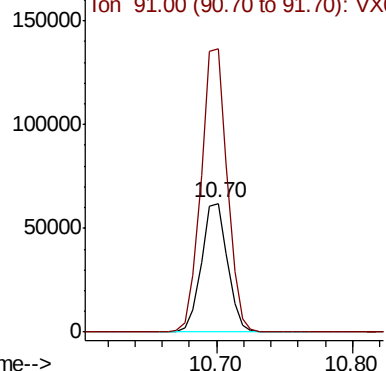
#69
o-Xylene
Concen: 19.710 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0419MBS01

Tot Ion:106 Resp: 82500
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.7

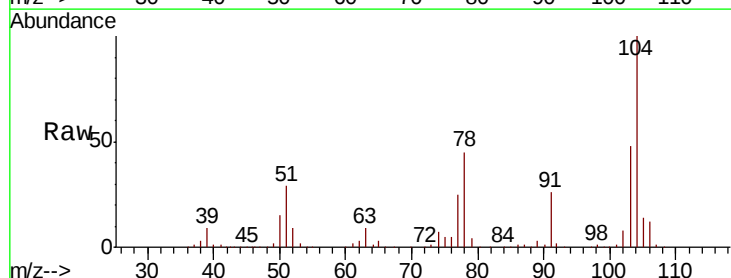


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

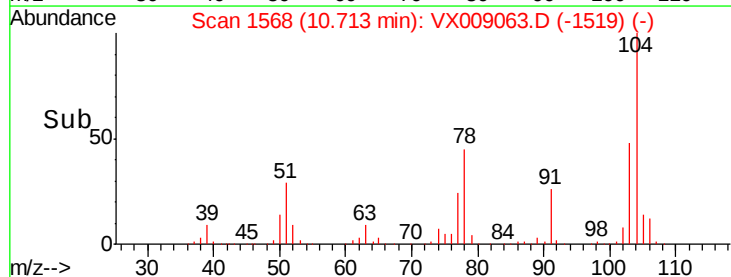
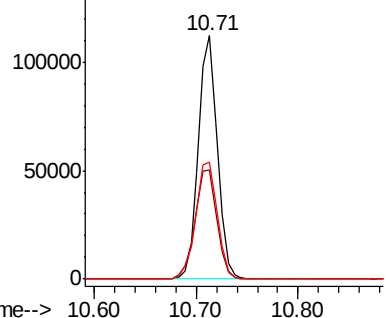


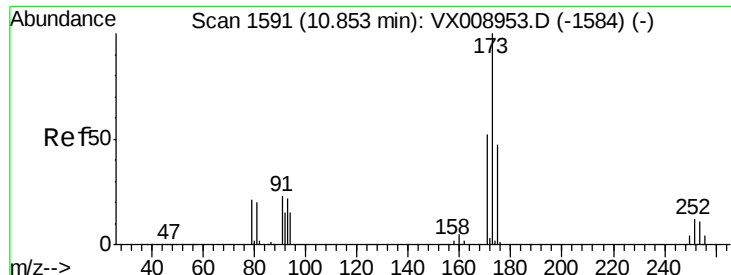
#70
Styrene
Concen: 19.876 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:104 Resp: 144169
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.1 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.163 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

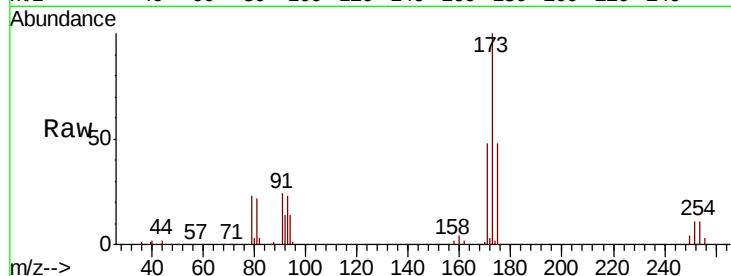
Tot Ion:173 Resp: 34825

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

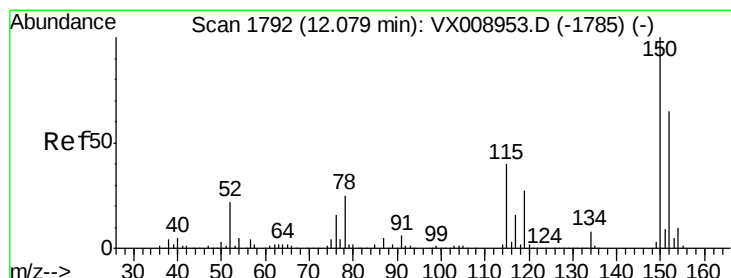
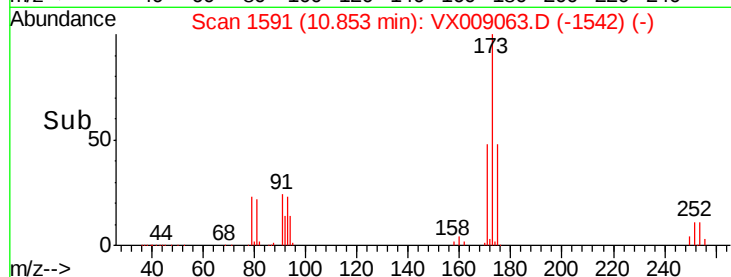
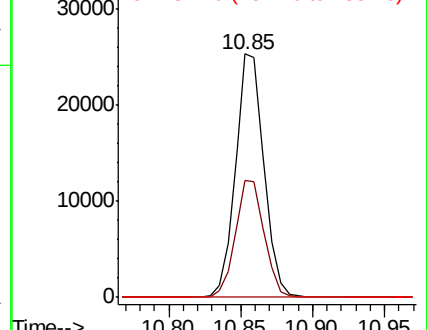
254 0.0 0.2 0.4#



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: VX009063.D

Acq: 19 Apr 2019 12:23

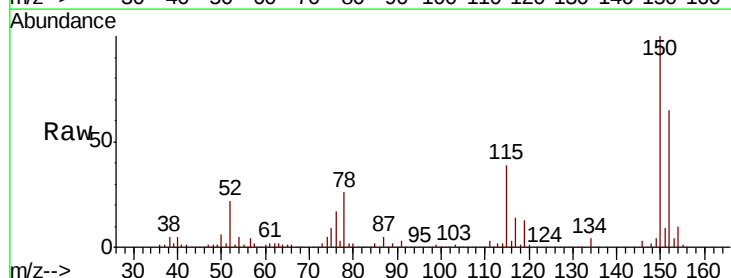
Tgt Ion:152 Resp: 140356

Ion Ratio Lower Upper

152 100

115 69.4 41.4 124.2

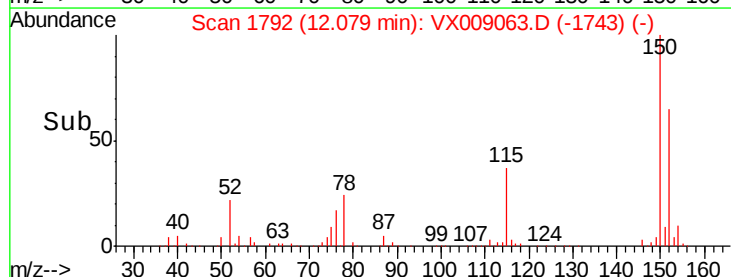
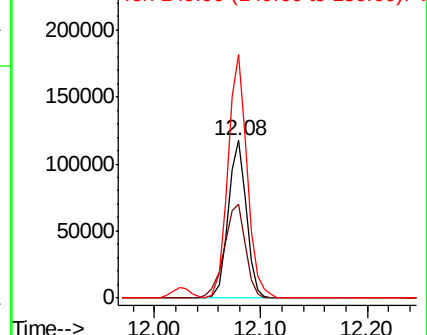
150 163.0 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.901 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

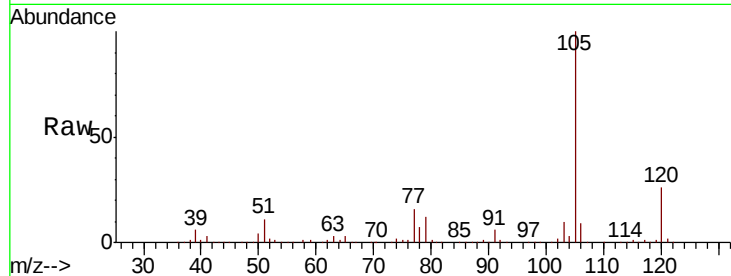
VX0419MBS01

Tot Ion:105 Resp: 222367

Ion Ratio Lower Upper

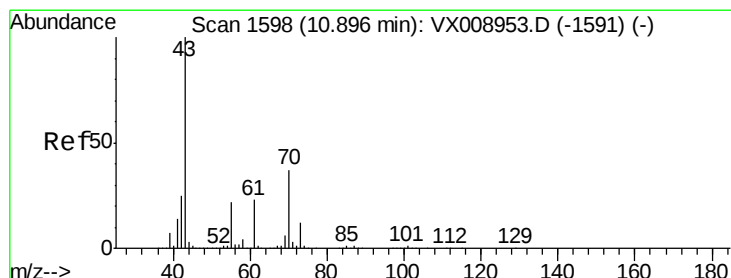
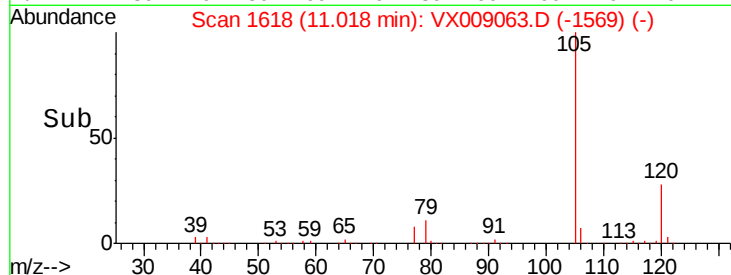
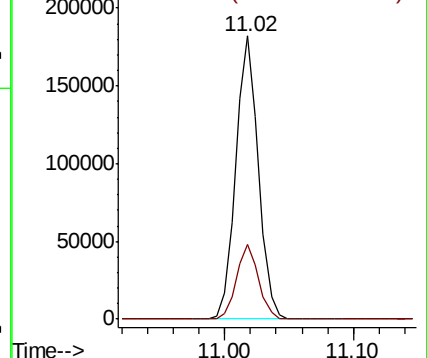
105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.817 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion: 43 Resp: 133269

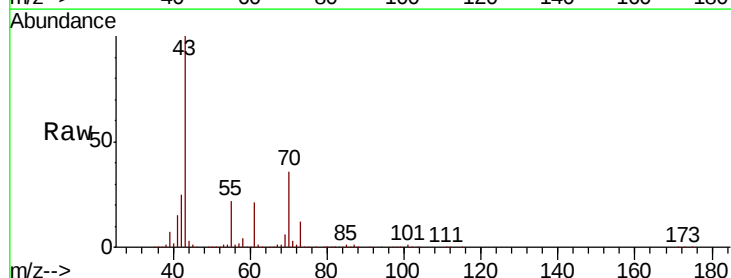
Ion Ratio Lower Upper

43 100

70 36.7 29.9 44.9

55 22.5 17.8 26.8

61 21.9 18.3 27.5

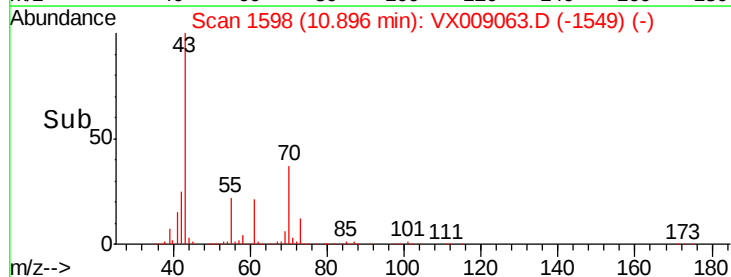
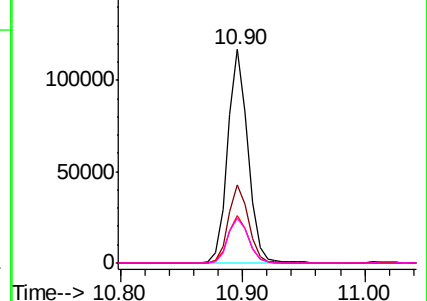


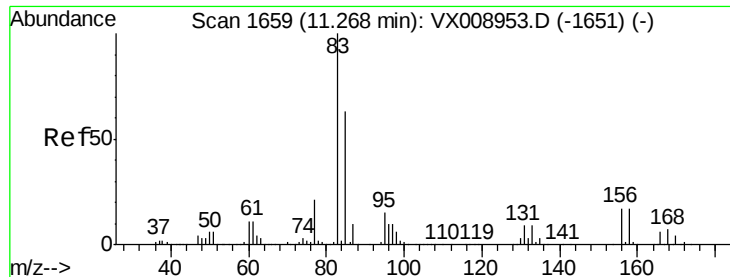
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.651 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

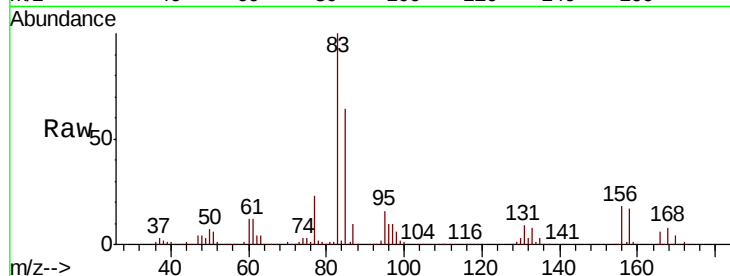
Tot Ion: 83 Resp: 84163

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

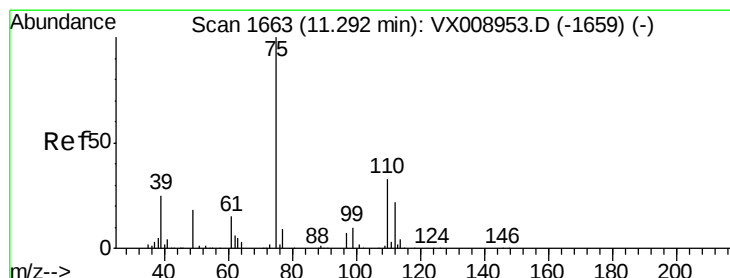
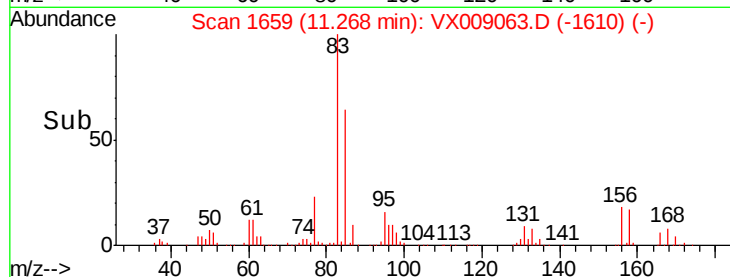
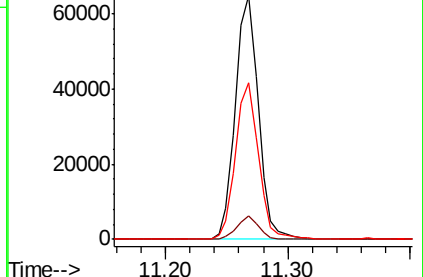
85 63.9 31.9 95.9



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: 28.694 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009063.D

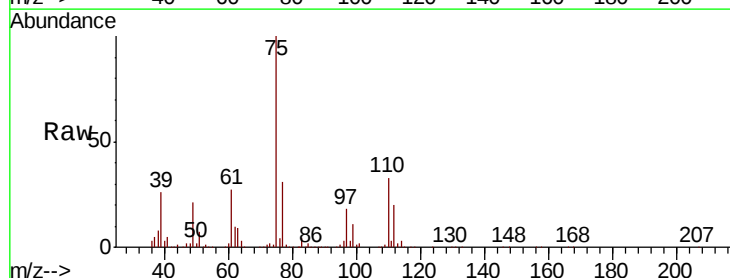
Acq: 19 Apr 2019 12:23

Tgt Ion: 75 Resp: 98340

Ion Ratio Lower Upper

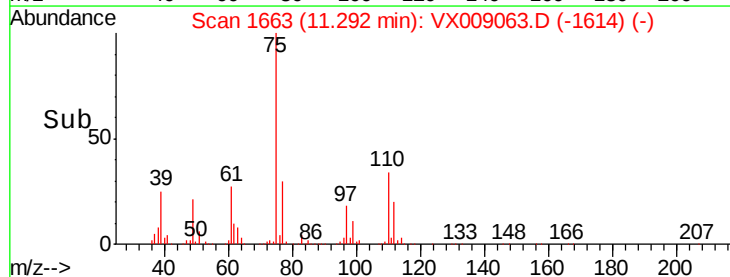
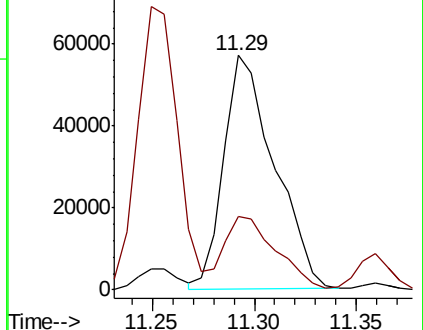
75 100

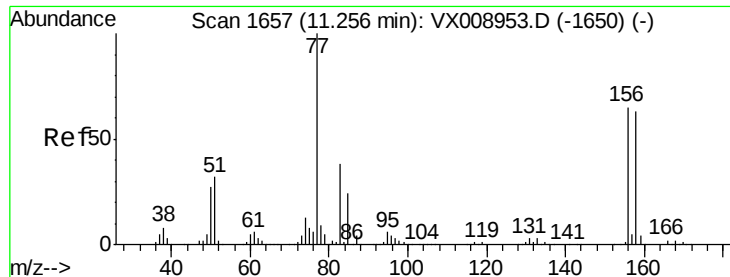
77 32.6 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.006 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

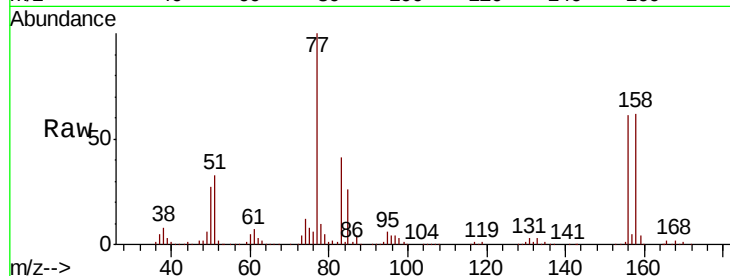
Tot Ion:156 Resp: 53700

Ion Ratio Lower Upper

156 100

77 174.7 85.4 256.1

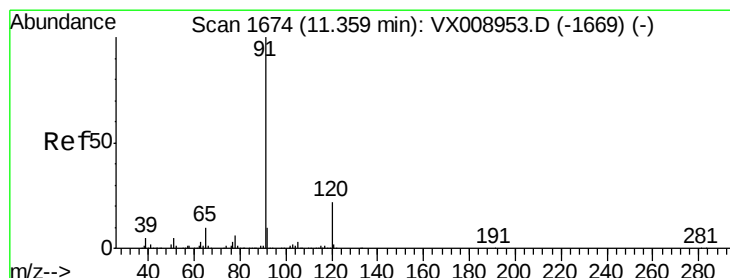
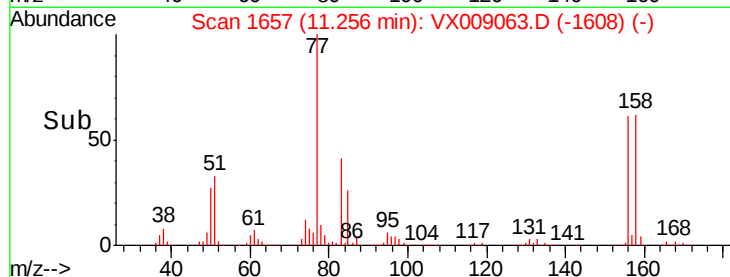
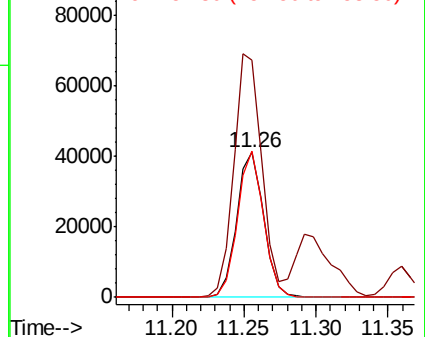
158 97.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009063.D

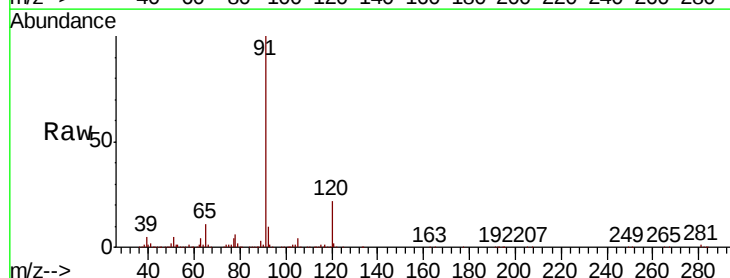
Acq: 19 Apr 2019 12:23

Tgt Ion: 91 Resp: 253123

Ion Ratio Lower Upper

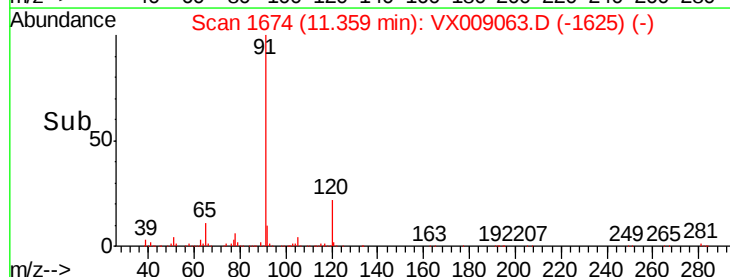
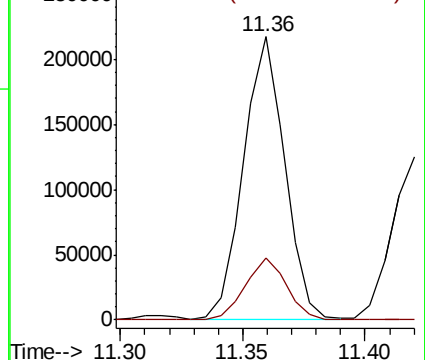
91 100

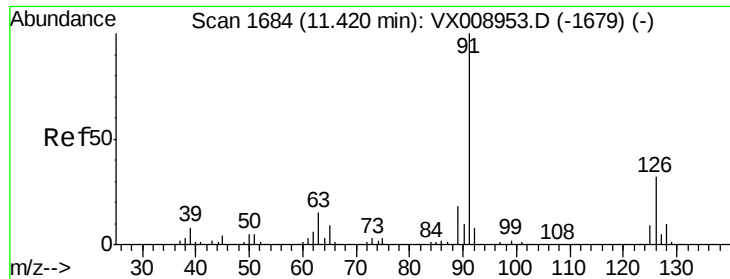
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

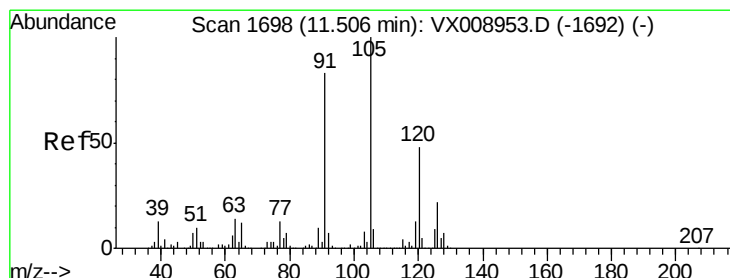
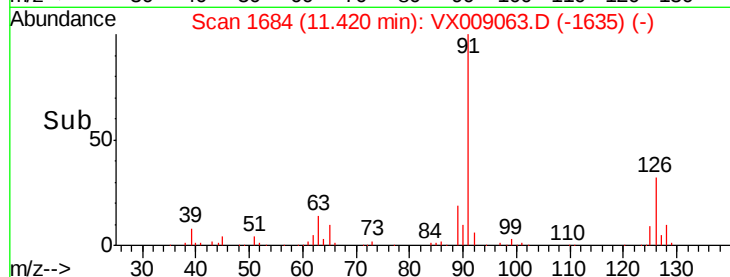
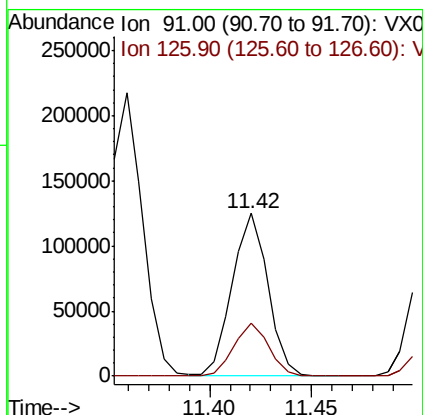
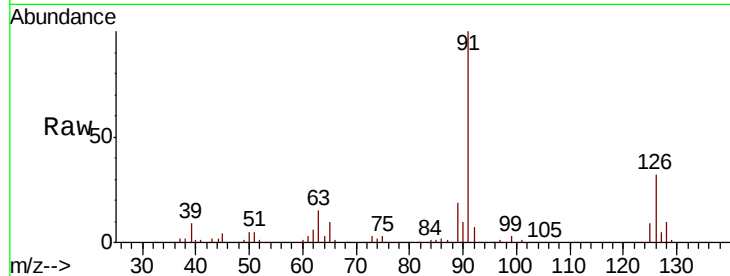




#79
 2-Chlorotoluene
 Concen: 20.535 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

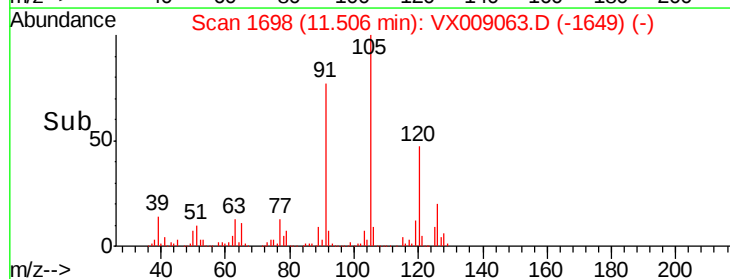
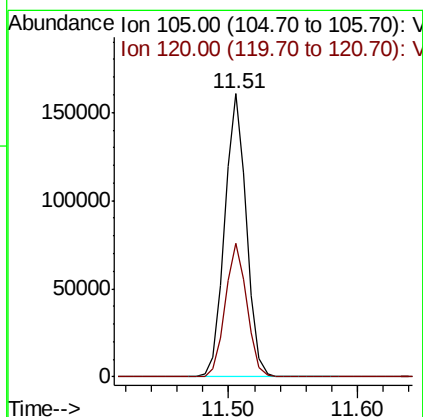
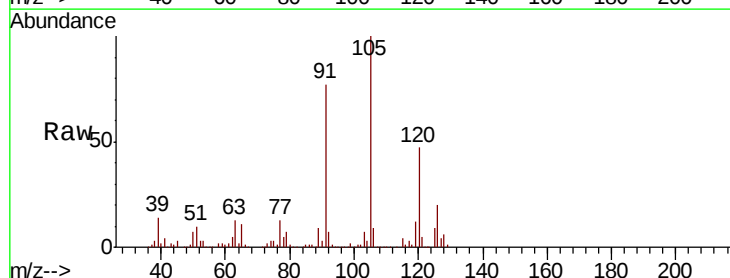
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

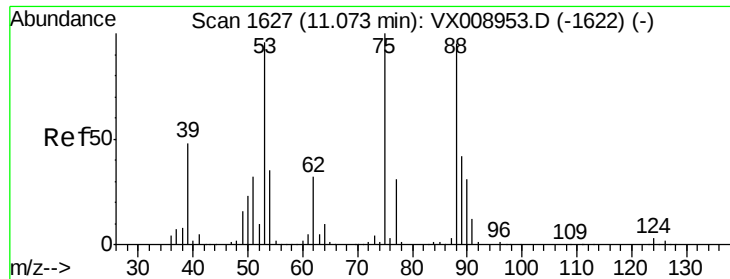
Tot Ion: 91 Resp: 151104
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.294 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion:105 Resp: 190106
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.800 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

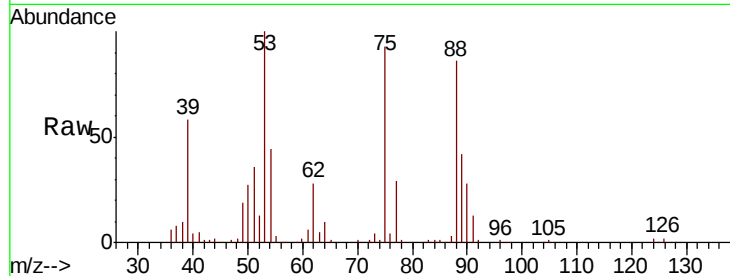
Tot Ion: 75 Resp: 26432

Ion Ratio Lower Upper

75 100

53 105.4 78.2 117.4

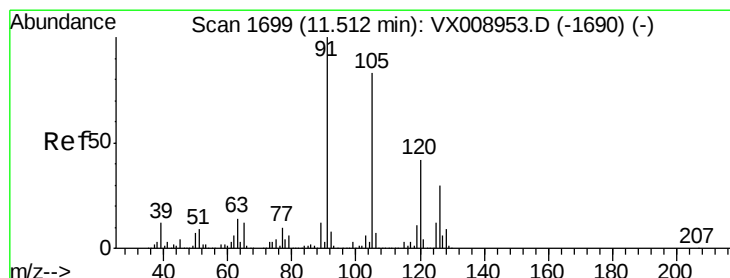
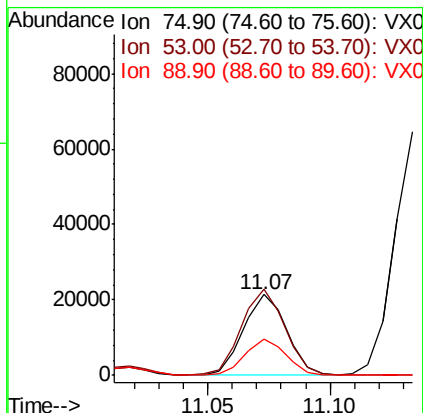
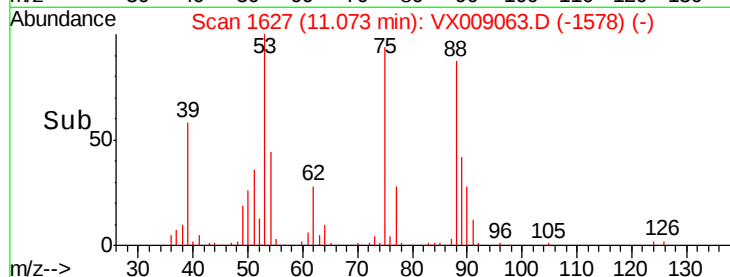
89 43.2 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.450 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009063.D

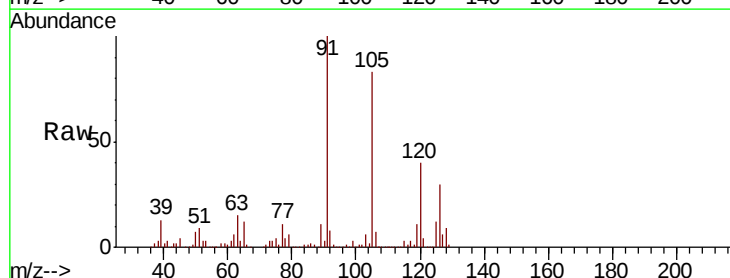
Acq: 19 Apr 2019 12:23

Tgt Ion: 91 Resp: 174758

Ion Ratio Lower Upper

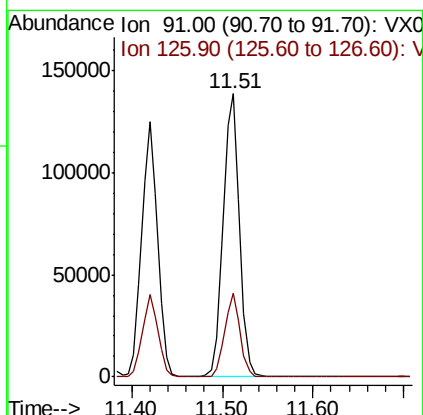
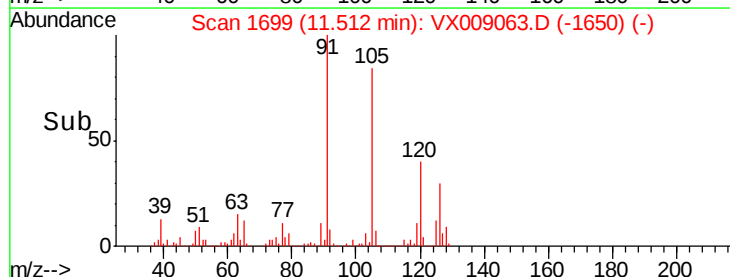
91 100

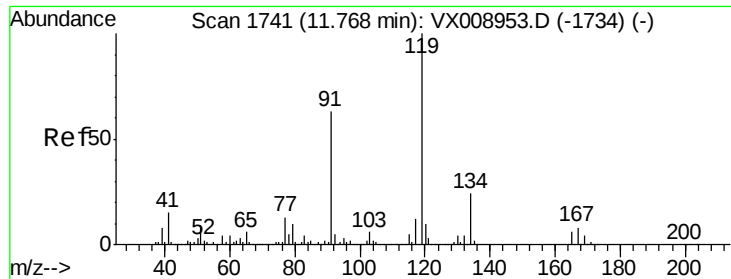
126 27.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

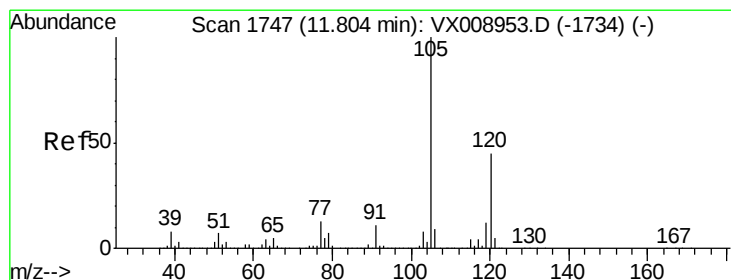
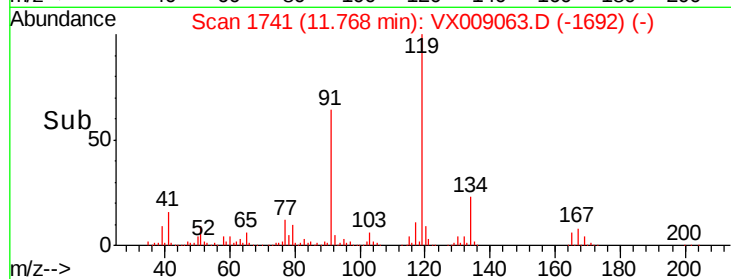
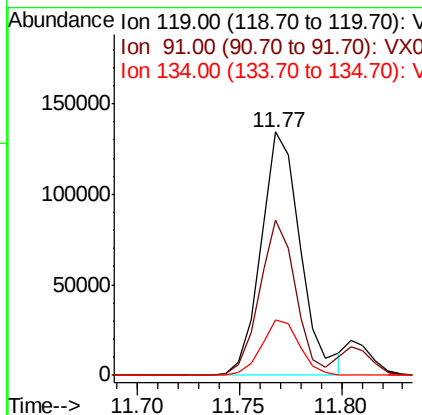
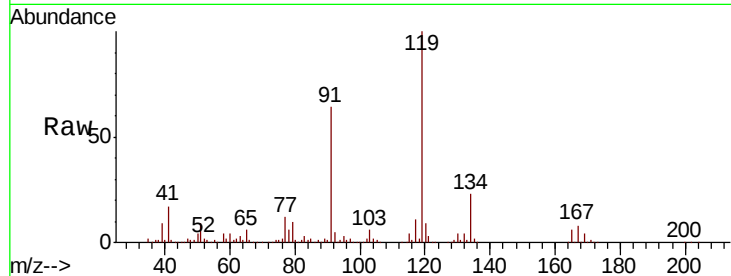




#83
 tert-Butylbenzene
 Concen: 21.191 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

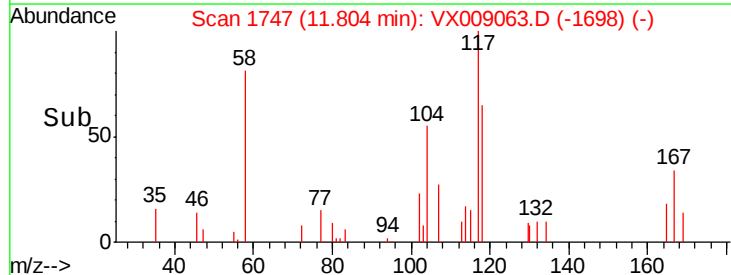
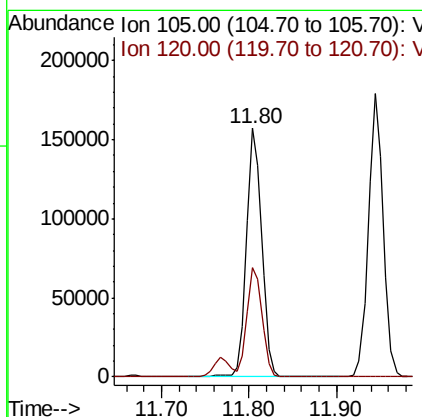
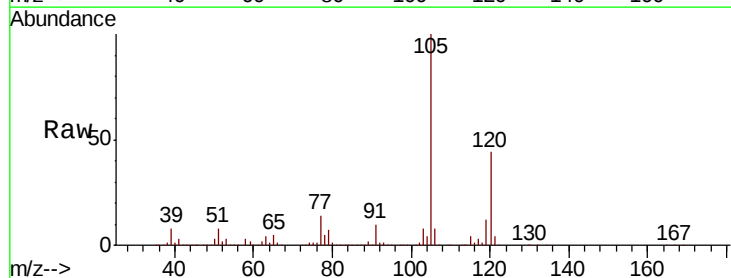
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion:119 Resp: 181639
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.7 89.1
 134 21.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.856 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion:105 Resp: 189536
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.914 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

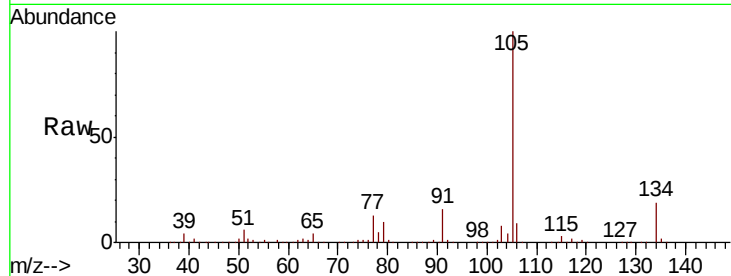
VX0419MBS01

Tot Ion:105 Resp: 213799

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

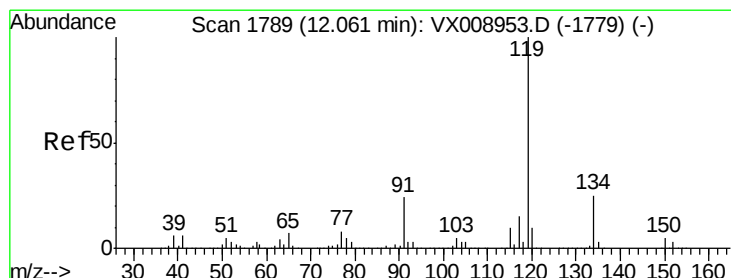
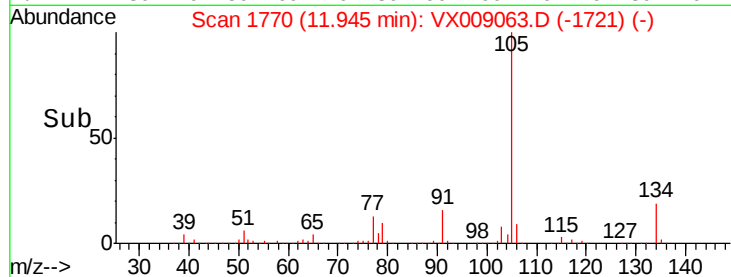
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 20.531 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

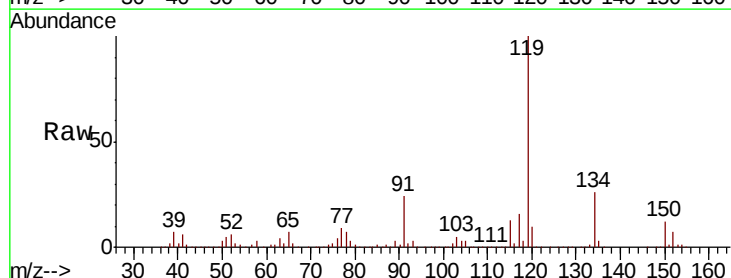
Tgt Ion:119 Resp: 192961

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.8 11.9 35.5



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

12.06

200000

150000

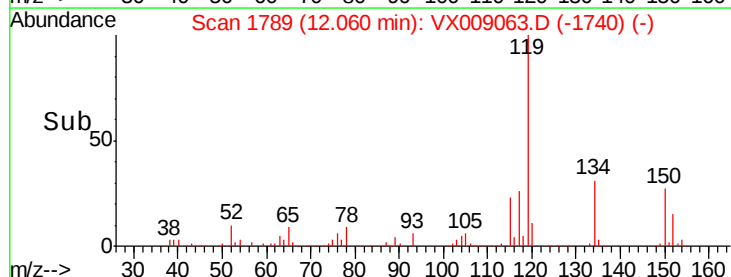
100000

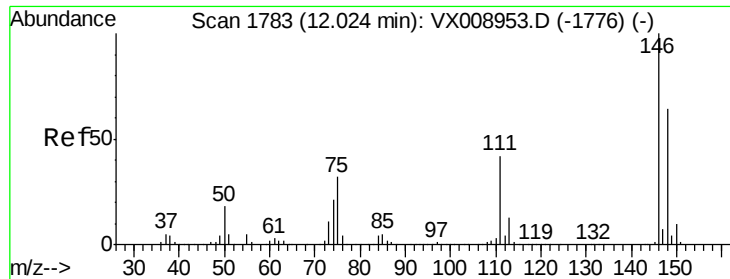
50000

0

Time-->

12.00 12.10

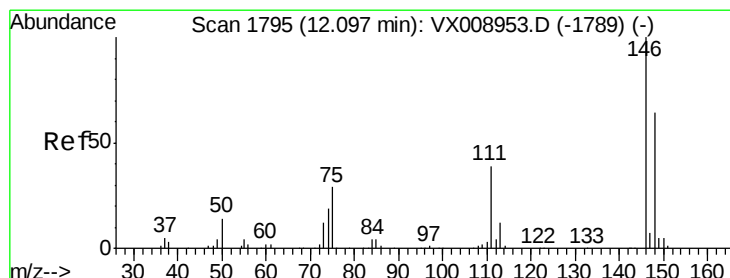
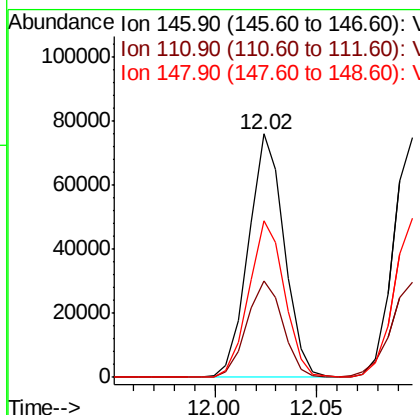
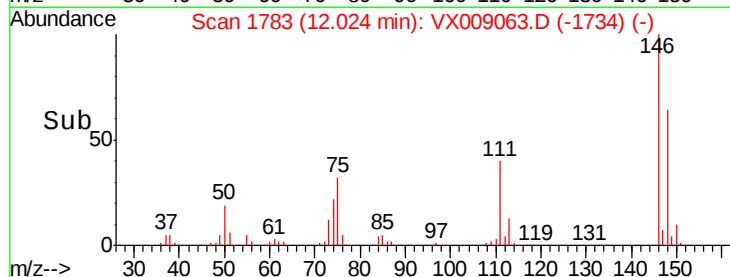
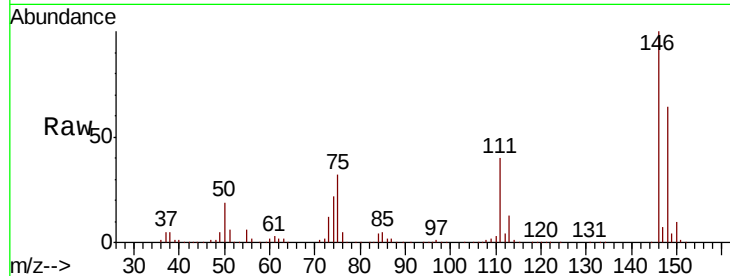




#87
 1,3-Dichlorobenzene
 Concen: 19.697 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

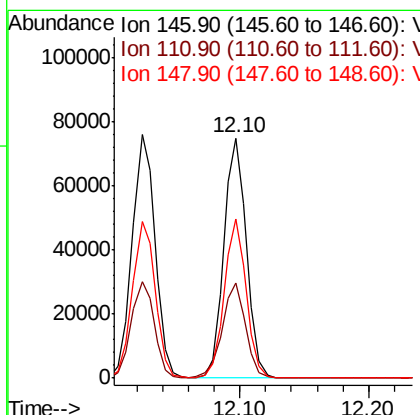
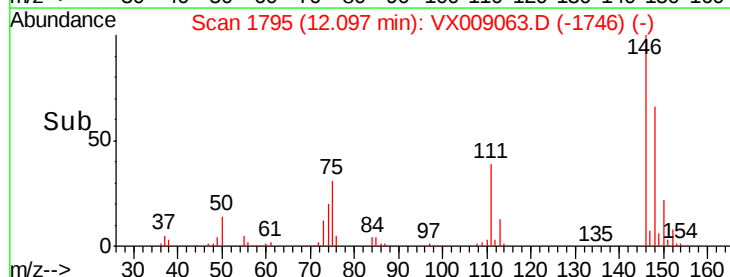
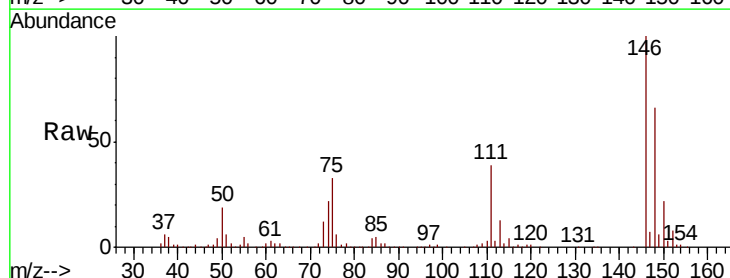
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0419MBS01

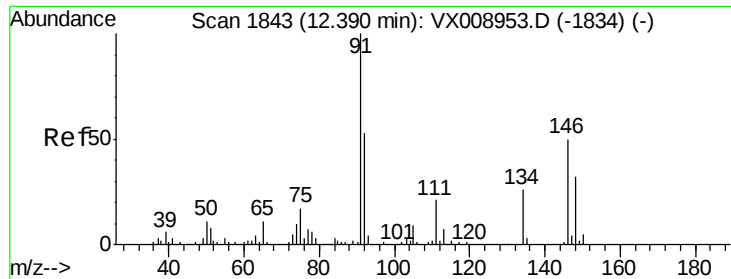
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.6
148	64.1	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	59.9
148	64.7	32.2	96.6

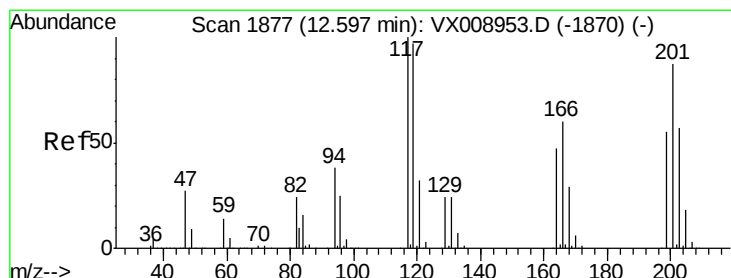
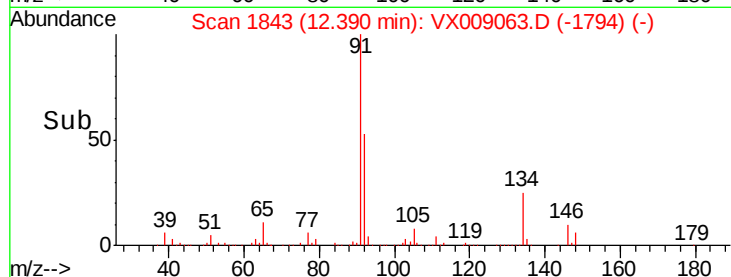
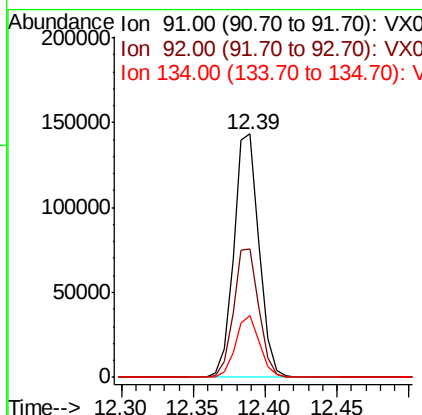
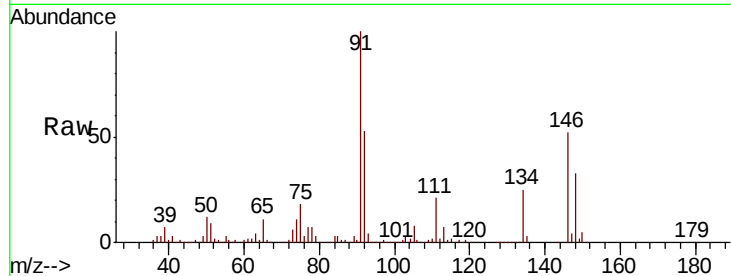




#89
n-Butylbenzene
Concen: 20.017 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

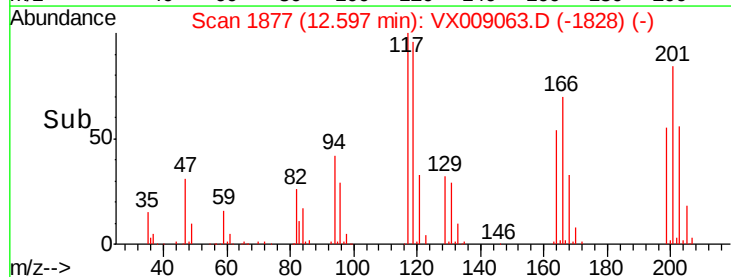
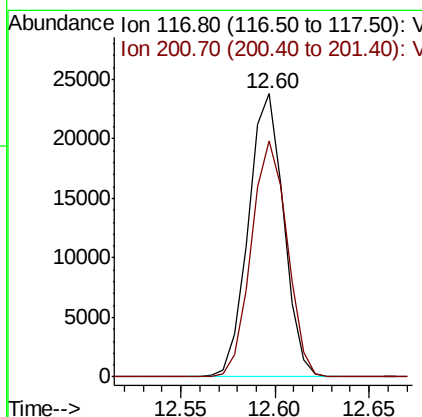
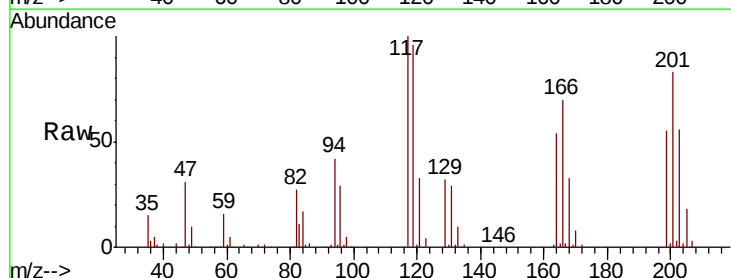
Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

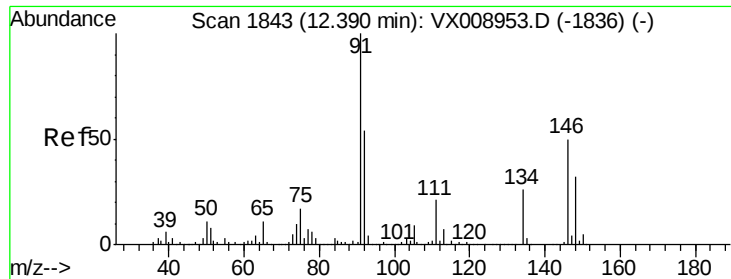
Tot Ion: 91 Resp: 175210
Ion Ratio Lower Upper
91 100
92 53.3 26.6 79.8
134 24.2 12.4 37.2



#90
Hexachloroethane
Concen: 19.901 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 117 Resp: 30853
Ion Ratio Lower Upper
117 100
201 85.0 43.0 129.0

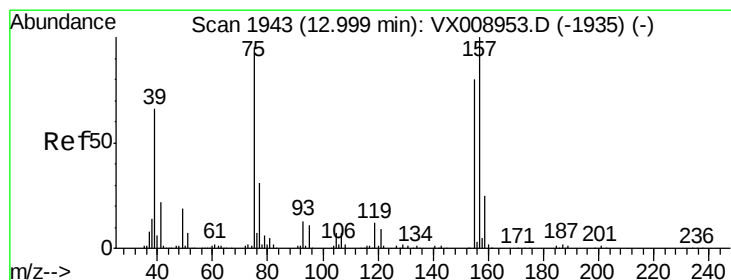
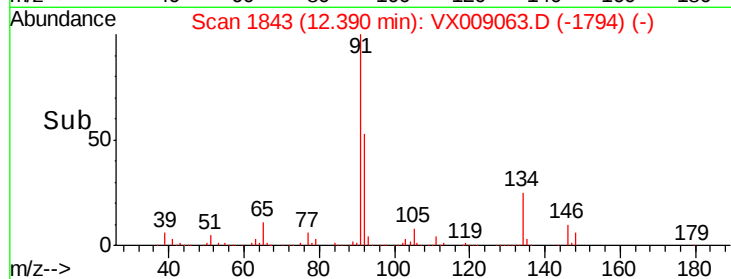
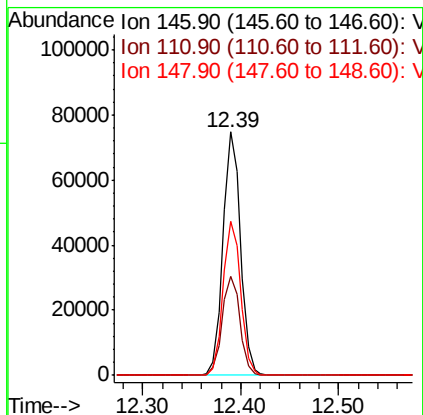
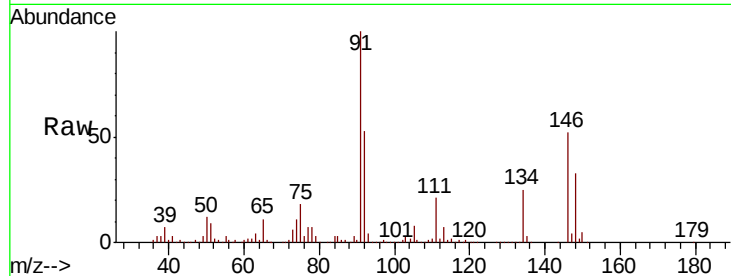




#91
 1,2-Dichlorobenzene
 Concen: 19.961 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

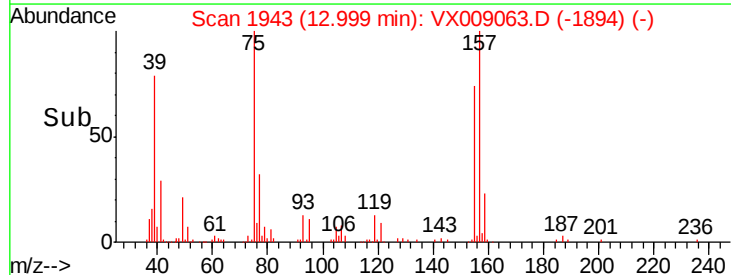
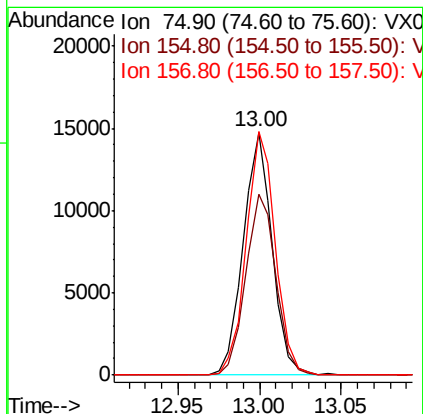
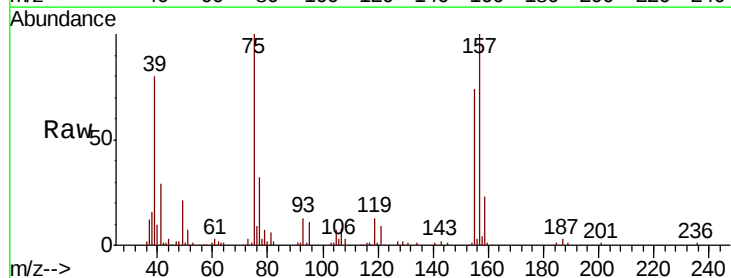
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

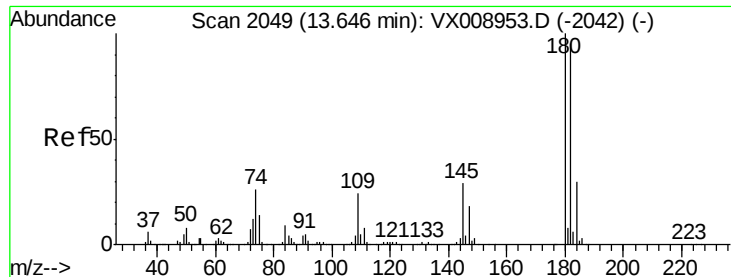
Tot Ion:146 Resp: 92601
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.9
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.610 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion: 75 Resp: 18241
 Ion Ratio Lower Upper
 75 100
 155 77.8 41.2 123.6
 157 101.1 52.5 157.6

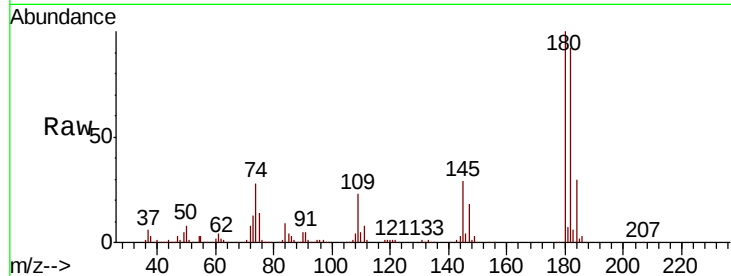




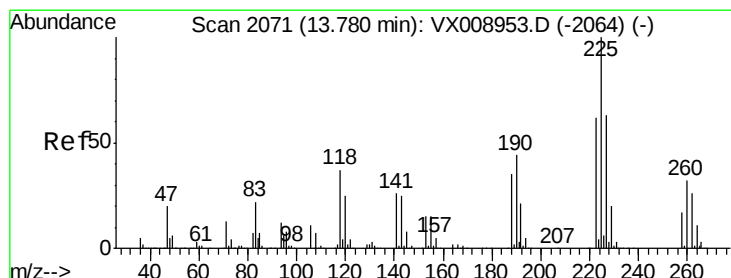
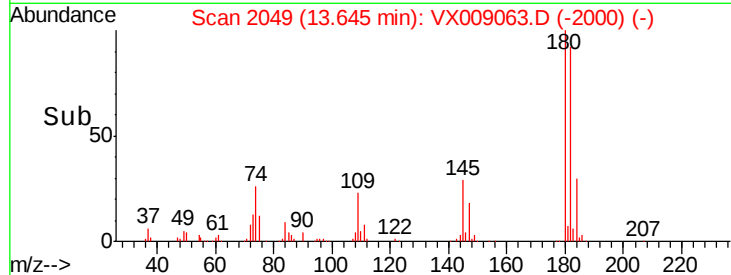
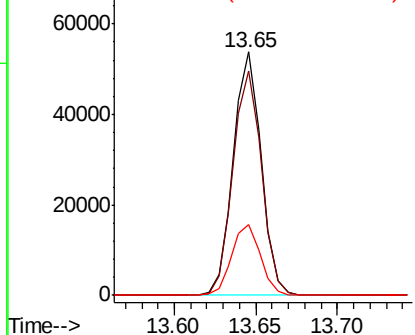
#93
 1,2,4-Trichlorobenzene
 Concen: 19.182 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion:180 Resp: 64239
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.6 142.9
 145 30.0 14.8 44.4

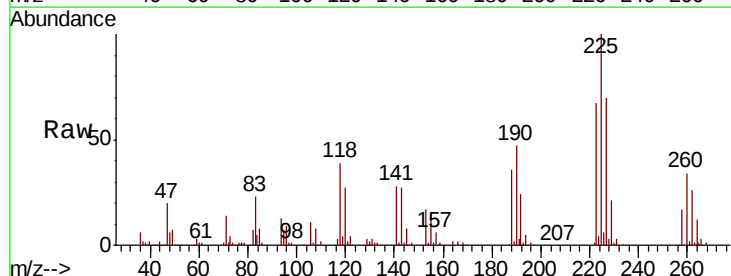


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

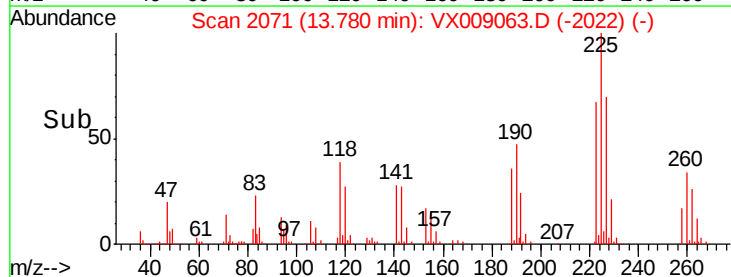
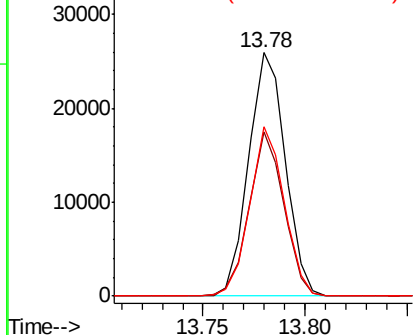


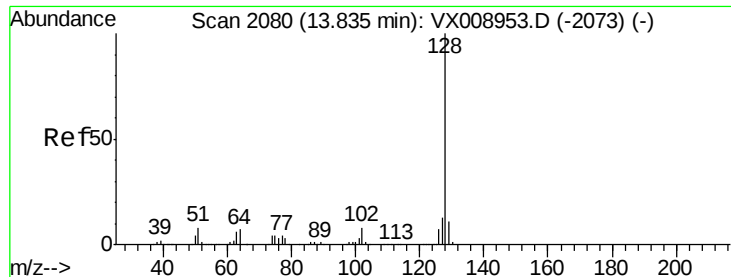
#94
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion:225 Resp: 32463
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.1 93.2
 227 65.9 32.0 96.2



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: 20.491 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

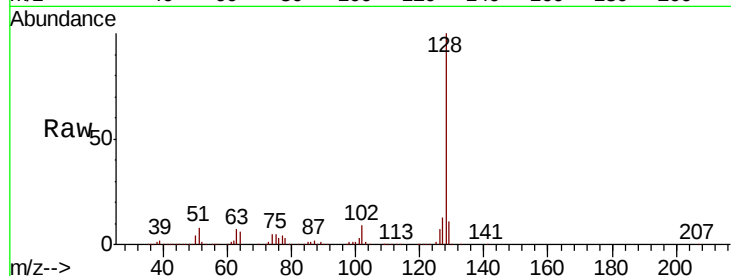
Tot Ion:128 Resp: 219847

Ion Ratio Lower Upper

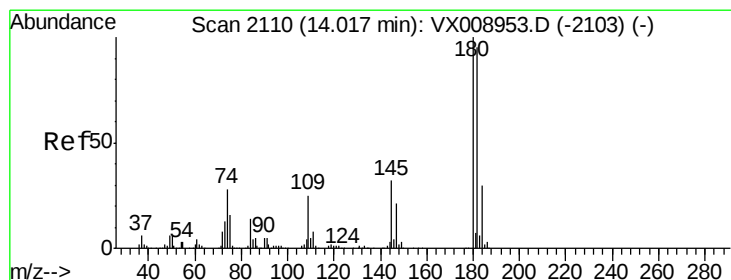
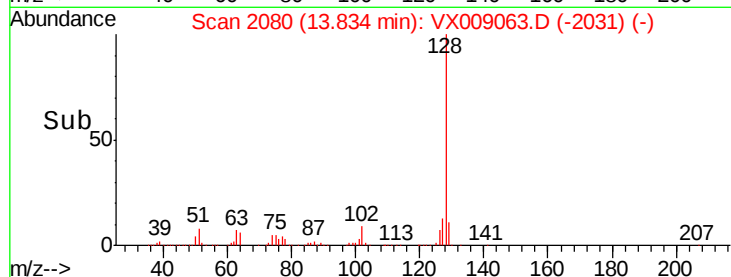
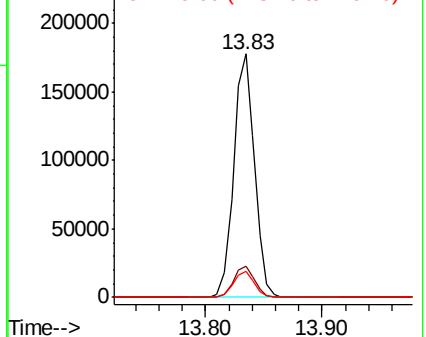
128 100

127 13.1 10.6 16.0

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.501 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

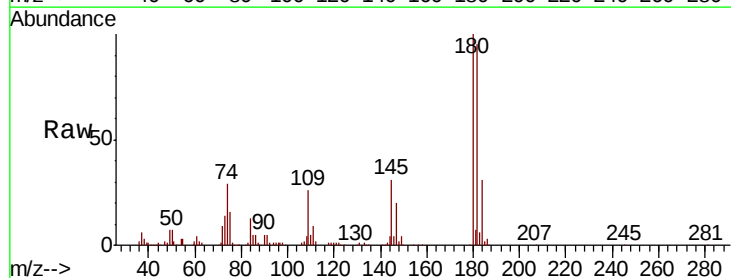
Tgt Ion:180 Resp: 64436

Ion Ratio Lower Upper

180 100

182 95.1 47.8 143.4

145 31.3 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

