

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008514.D
 Acq On : 28 Mar 2019 13:07
 Operator : JC/SP
 Sample : VX0328WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Quant Time: Mar 29 01:27:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	146194	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	5.50	113	106966	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	8.71	98	430732	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.13	95	158243	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35739	16.453	ug/l	99
3) Chloromethane	1.32	50	52467	18.737	ug/l	99
4) Vinyl Chloride	1.40	62	51189	16.878	ug/l	98
5) Bromomethane	1.64	94	27749	18.610	ug/l	99
6) Chloroethane	1.72	64	32736	18.220	ug/l	100
7) Trichlorofluoromethane	1.93	101	58169	16.934	ug/l	97
8) Diethyl Ether	2.18	74	28240	17.372	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36495	17.580	ug/l	98
10) Methyl Iodide	2.51	142	38524	21.626	ug/l	100
11) Tert butyl alcohol	3.04	59	61576	99.479	ug/l	99
12) 1,1-Dichloroethene	2.37	96	37733	17.600	ug/l	94
13) Acrolein	2.29	56	35906	79.879	ug/l	100
14) Allyl chloride	2.73	41	85933	18.193	ug/l	98
15) Acrylonitrile	3.14	53	150406	92.666	ug/l	100
16) Acetone	2.44	43	136190	93.269	ug/l	99
17) Carbon Disulfide	2.57	76	106975	17.139	ug/l	100
18) Methyl Acetate	2.77	43	65919	18.797	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	144419	18.693	ug/l	100
20) Methylene Chloride	2.85	84	46796	19.243	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	40446	18.763	ug/l	96
22) Diisopropyl ether	3.85	45	172223	18.518	ug/l	99
23) Vinyl Acetate	3.81	43	762532	93.976	ug/l	100
24) 1,1-Dichloroethane	3.70	63	86160	18.350	ug/l	98
25) 2-Butanone	4.67	43	222242	94.937	ug/l	99
26) 2,2-Dichloropropane	4.59	77	56883	18.214	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	47536	18.132	ug/l	99
28) Bromochloromethane	5.01	49	44208	19.057	ug/l	98
29) Tetrahydrofuran	5.13	42	144998	93.980	ug/l	99
30) Chloroform	5.21	83	77624	18.319	ug/l	97
31) Cyclohexane	5.58	56	81000	18.088	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	61429	18.136	ug/l	99
36) 1,1-Dichloropropene	5.80	75	58744	17.502	ug/l	99
37) Ethyl Acetate	4.84	43	82389	18.948	ug/l	98
38) Carbon Tetrachloride	5.79	117	51082	18.237	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71508	17.828	ug/l	99
40) Benzene	6.14	78	183551	18.267	ug/l	97
41) Methacrylonitrile	5.04	41	46633	19.085	ug/l	100
42) 1,2-Dichloroethane	6.19	62	66313	18.025	ug/l	100
43) Isopropyl Acetate	6.45	43	129935	18.683	ug/l	99
44) Trichloroethene	7.21	130	41924	17.770	ug/l	98
45) 1,2-Dichloropropane	7.51	63	52785	18.482	ug/l	99
46) Dibromomethane	7.66	93	30197	18.106	ug/l	99
47) Bromodichloromethane	7.90	83	57042	17.869	ug/l	100
48) Methyl methacrylate	7.77	41	65393	18.792	ug/l	98
49) 1,4-Dioxane	7.74	88	27461	396.882	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	431689	95.566	ug/l	100
52) Toluene	8.78	92	110652	18.418	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	63217	18.080	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	71685	18.030	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45315	18.529	ug/l	98
56) Ethyl methacrylate	9.18	69	81811	18.532	ug/l	99
57) 1,3-Dichloropropane	9.37	76	81537	18.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	223509	97.945	ug/l	100
59) 2-Hexanone	9.49	43	337292	96.365	ug/l	99
60) Dibromochloromethane	9.58	129	41399	17.799	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45700	18.310	ug/l	99
64) Tetrachloroethene	9.34	164	34400	18.259	ug/l	99
65) Chlorobenzene	10.13	112	112047	18.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38878	18.620	ug/l	99
67) Ethyl Benzene	10.25	91	212731	18.625	ug/l	98
68) m/p-Xylenes	10.36	106	152164	36.621	ug/l	100
69) o-Xylene	10.70	106	75596	18.748	ug/l	99
70) Styrene	10.71	104	130147	18.686	ug/l	100
71) Bromoform	10.85	173	28846	17.494	ug/l #	99
73) Isopropylbenzene	11.02	105	200796	19.182	ug/l	100
74) N-amyl acetate	10.90	43	117794	19.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	75977	18.706	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	83642	21.865	ug/l	82
77) Bromobenzene	11.26	156	47302	18.618	ug/l	99
78) n-propylbenzene	11.36	91	231831	18.905	ug/l	100
79) 2-Chlorotoluene	11.42	91	139491	18.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	167659	18.945	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20978	17.564	ug/l	91
82) 4-Chlorotoluene	11.51	91	157951	18.359	ug/l	99
83) tert-Butylbenzene	11.77	119	161611	18.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	169320	18.916	ug/l	100
85) sec-Butylbenzene	11.94	105	191672	18.850	ug/l	100
86) p-Isopropyltoluene	12.06	119	169763	18.921	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	82915	18.266	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	82710	18.054	ug/l	98
89) n-Butylbenzene	12.38	91	154823	18.216	ug/l	100
90) Hexachloroethane	12.60	117	26725	17.879	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	84534	18.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17173	19.391	ug/l	99

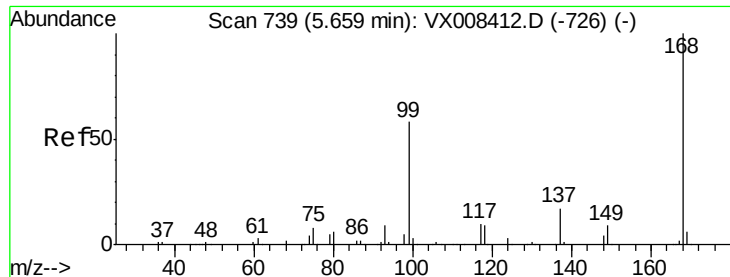
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57452	18.772	ug/l	100
94) Hexachlorobutadiene	13.78	225	26891	18.504	ug/l	99
95) Naphthalene	13.83	128	212794	20.280	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	60137	19.555	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

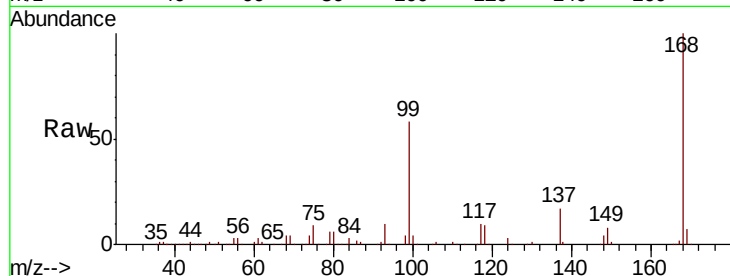
VX0328WBS01

Tot Ion:168 Resp: 184284

Ion Ratio Lower Upper

168 100

99 57.6 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

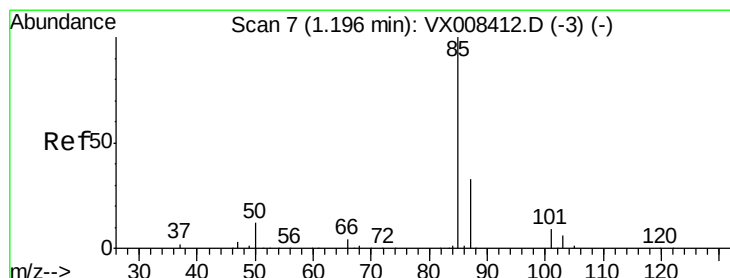
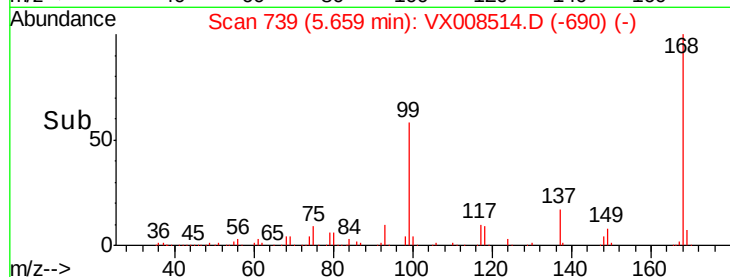
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.453 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008514.D

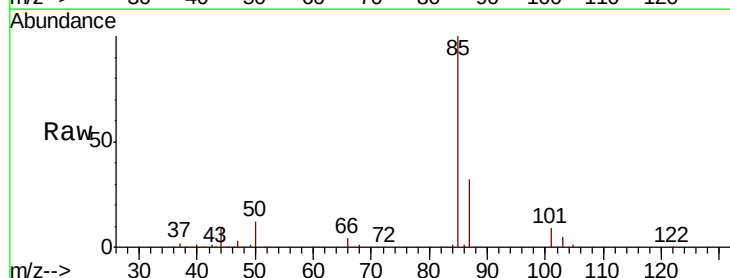
Acq: 28 Mar 2019 13:07

Tgt Ion: 85 Resp: 35739

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

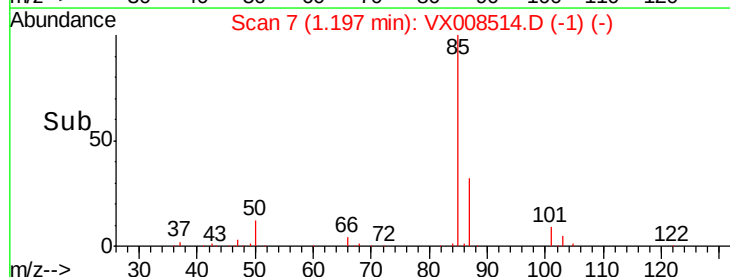
30000

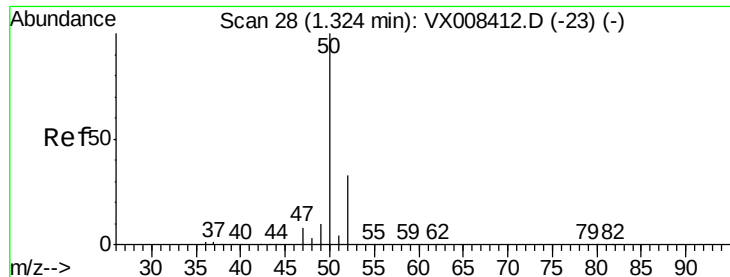
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.737 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

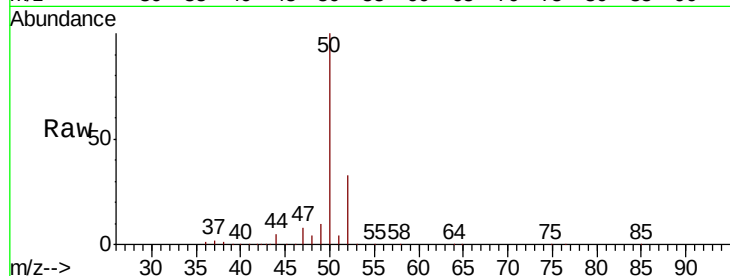
VX0328WBS01

Tot Ion: 50 Resp: 52467

Ion Ratio Lower Upper

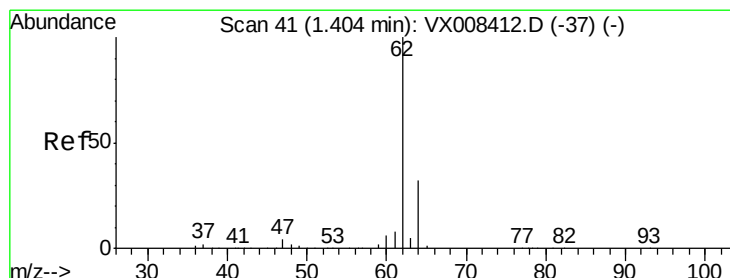
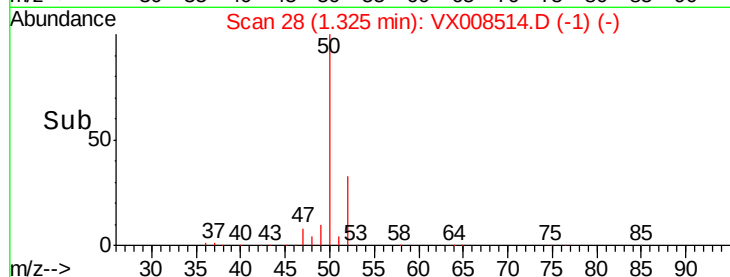
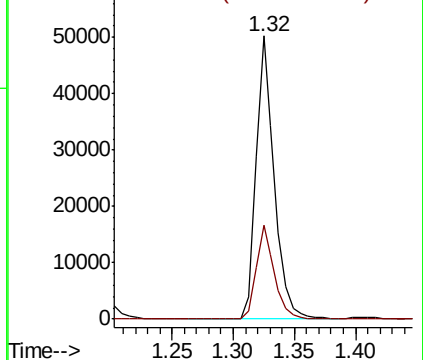
50 100

52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.878 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008514.D

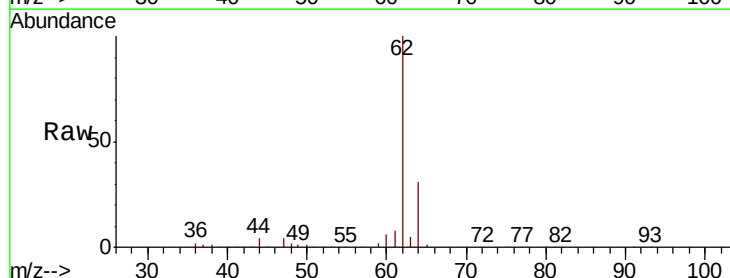
Acq: 28 Mar 2019 13:07

Tgt Ion: 62 Resp: 51189

Ion Ratio Lower Upper

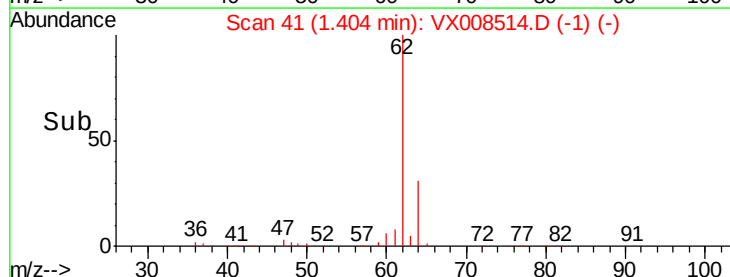
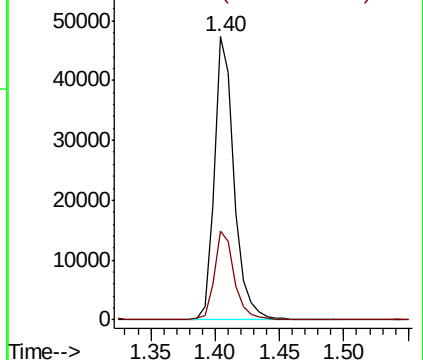
62 100

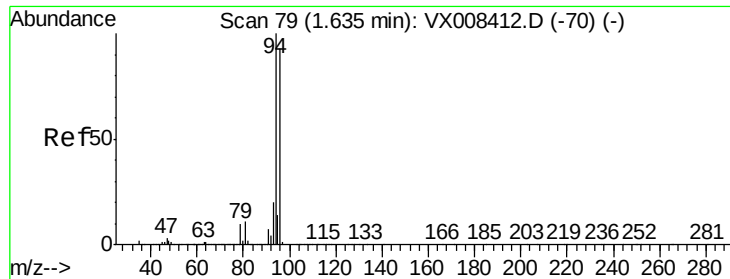
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.610 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

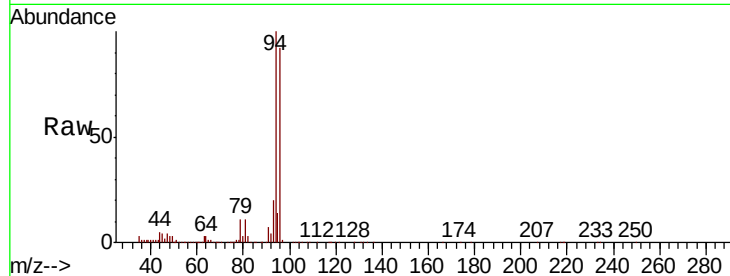
VX0328WBS01

Tot Ion: 94 Resp: 27749

Ion Ratio Lower Upper

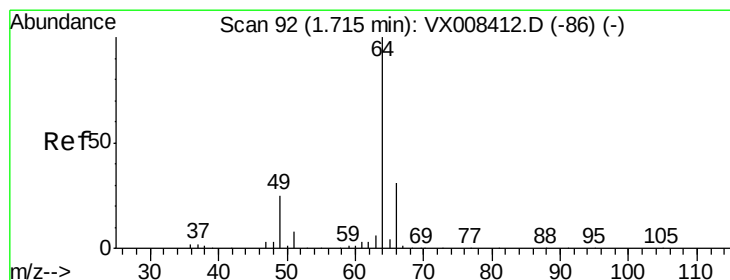
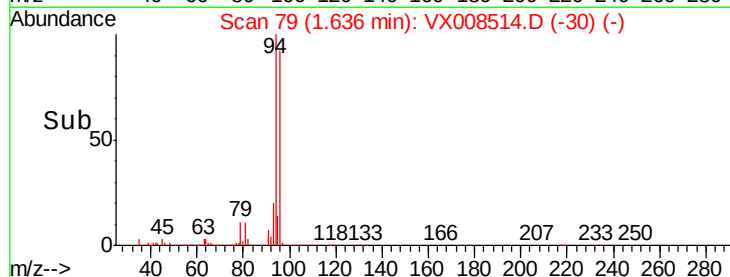
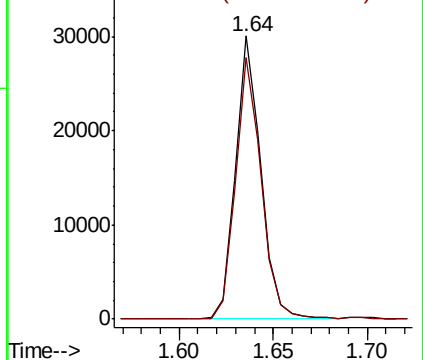
94 100

96 92.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.220 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008514.D

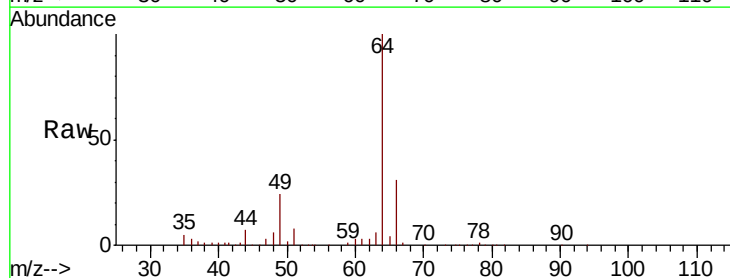
Acq: 28 Mar 2019 13:07

Tgt Ion: 64 Resp: 32736

Ion Ratio Lower Upper

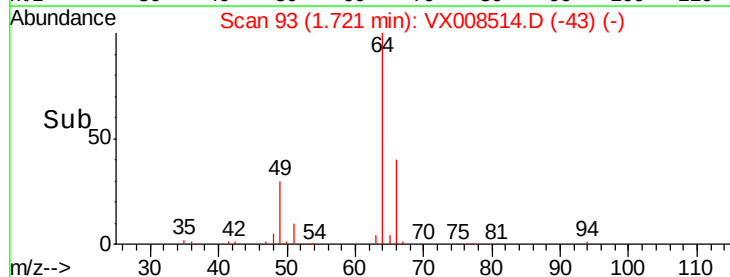
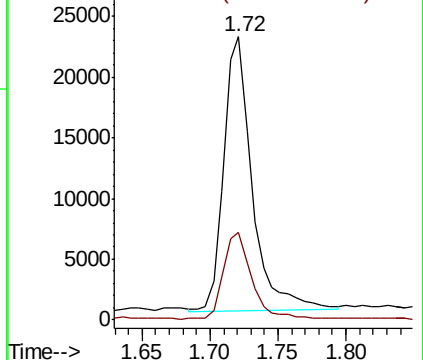
64 100

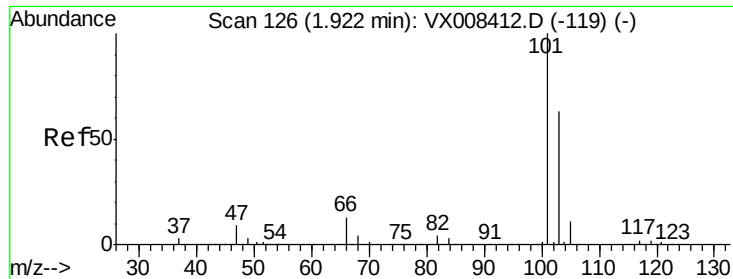
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



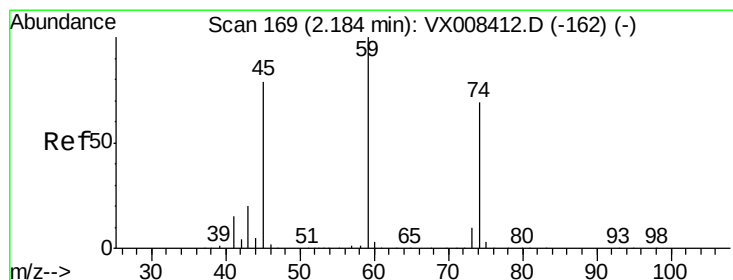
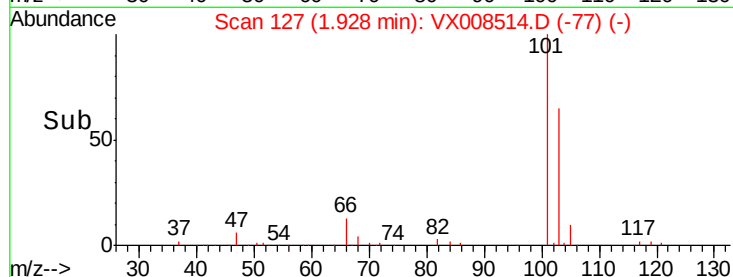
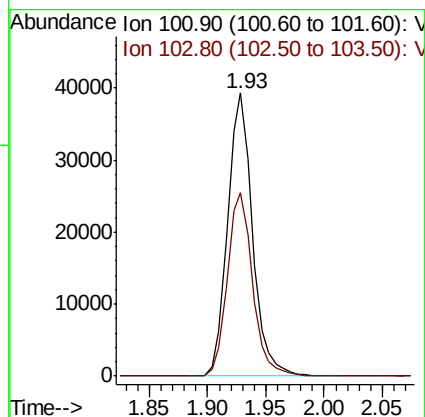
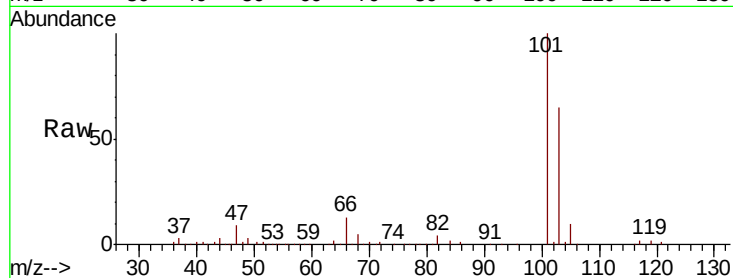


#7

Trichlorofluoromethane
 Concen: 16.934 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

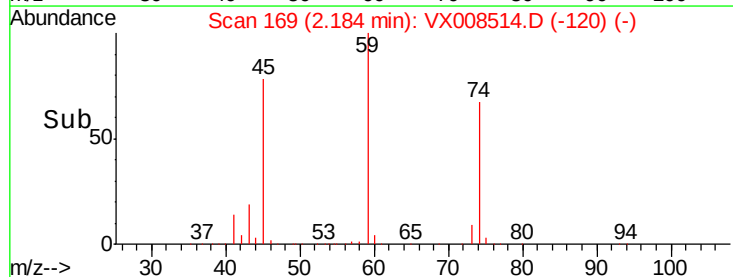
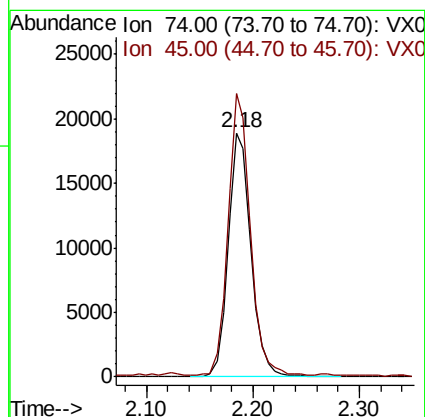
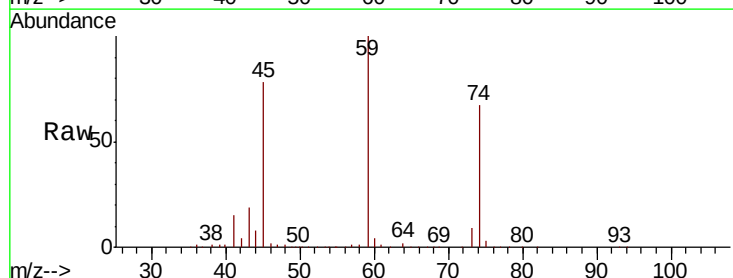
Tot Ion:101 Resp: 58169
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.4

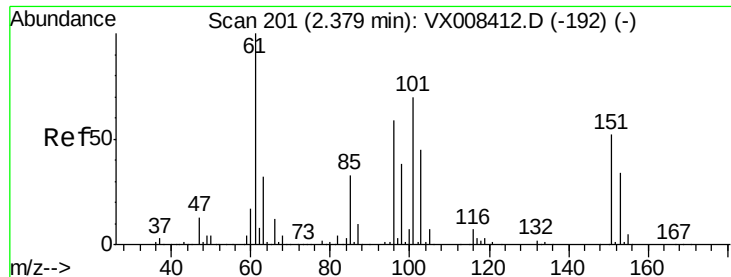


#8

Diethyl Ether
 Concen: 17.372 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 74 Resp: 28240
 Ion Ratio Lower Upper
 74 100
 45 111.2 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.580 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

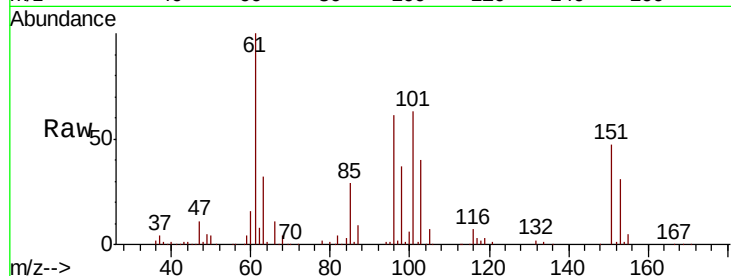
Tot Ion:101 Resp: 36495

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

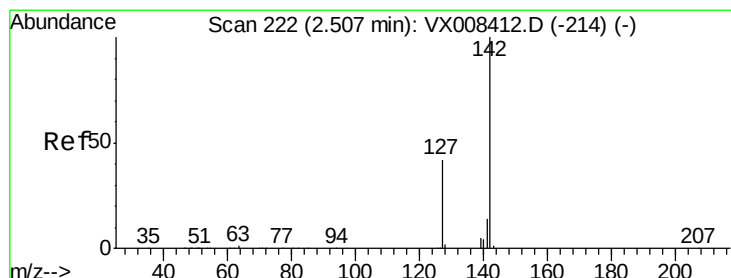
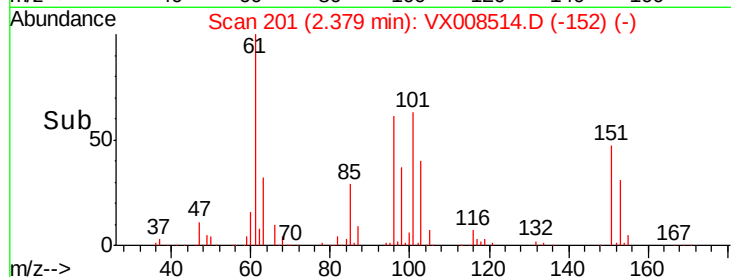
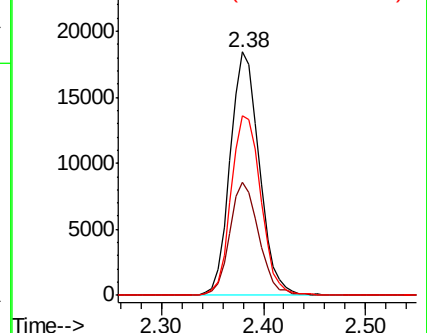
151 75.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.626 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

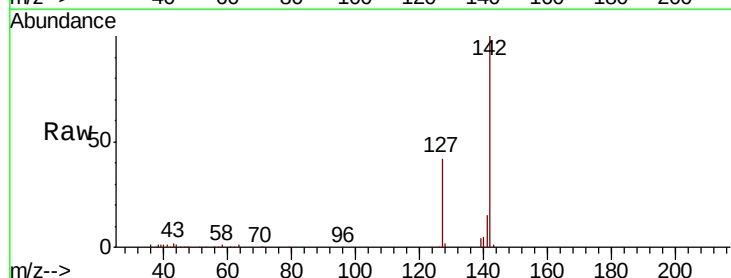
Tgt Ion:142 Resp: 38524

Ion Ratio Lower Upper

142 100

127 42.2 33.6 50.4

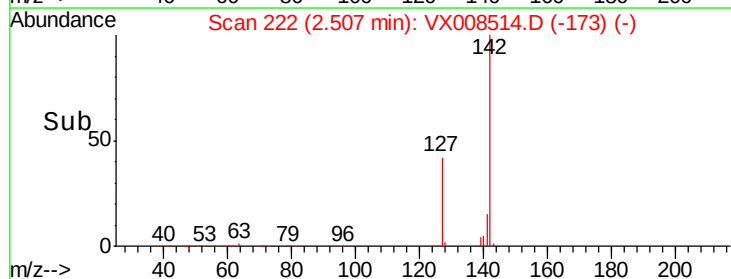
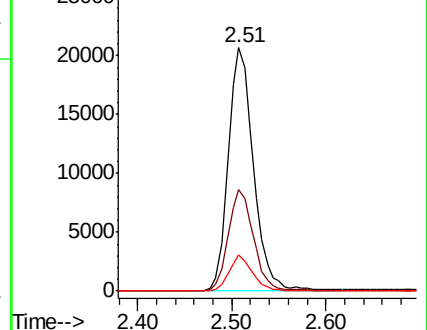
141 13.7 11.3 16.9

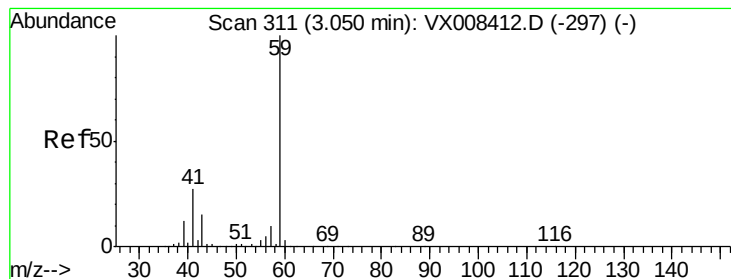


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.479 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

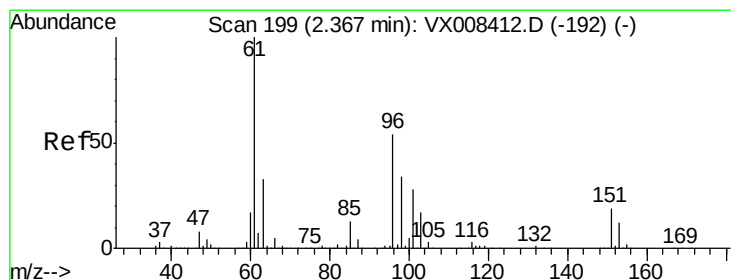
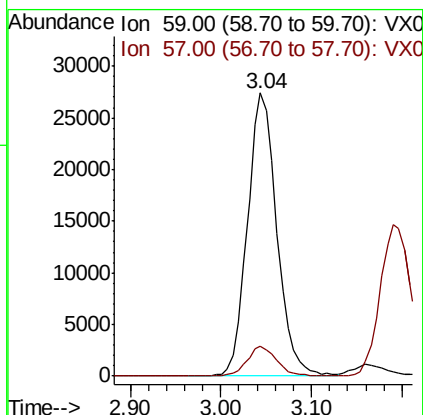
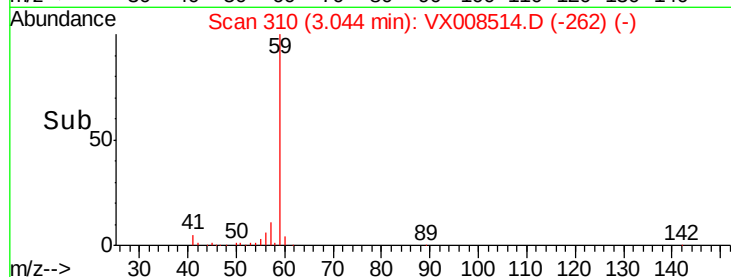
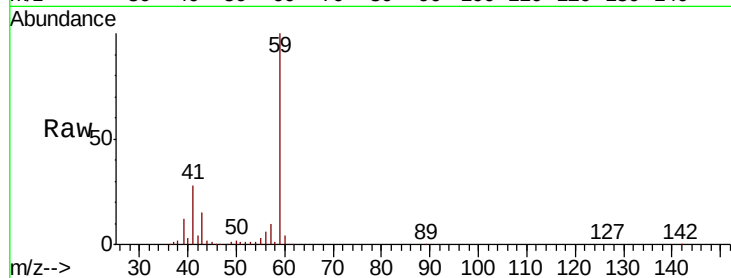
VX0328WBS01

Tot Ion: 59 Resp: 61576

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#12

1,1-Dichloroethene

Concen: 17.600 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

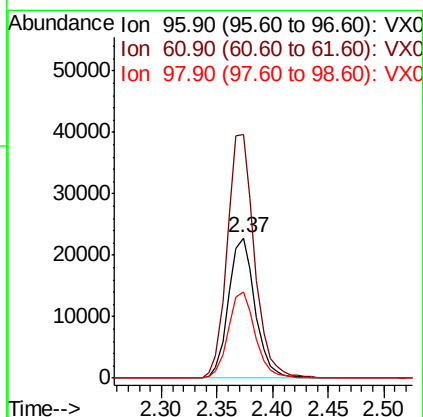
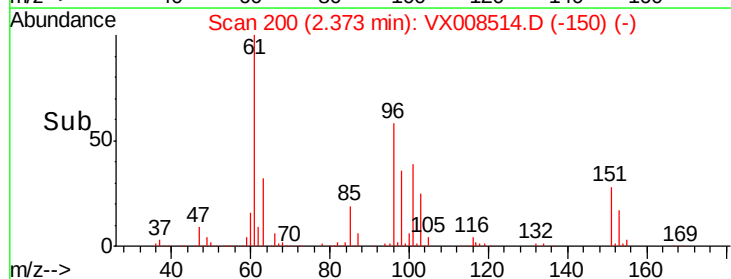
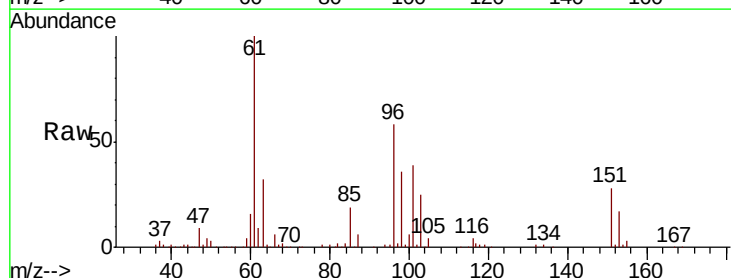
Tgt Ion: 96 Resp: 37733

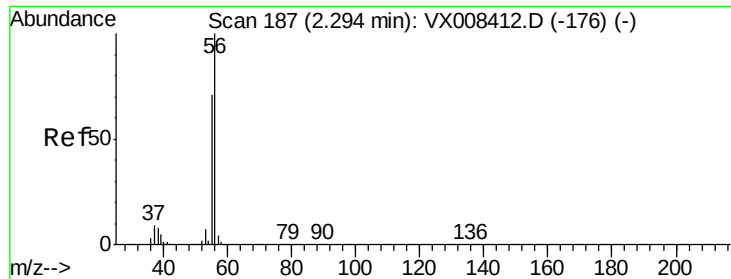
Ion Ratio Lower Upper

96 100

61 173.4 146.9 220.3

98 61.9 50.1 75.1





#13

Acrolein

Concen: 79.879 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

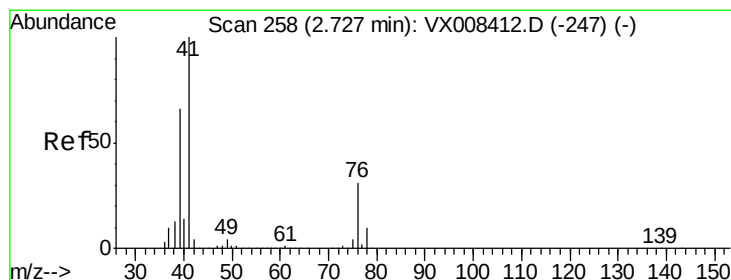
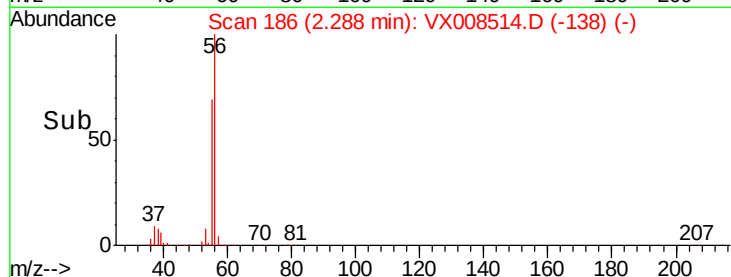
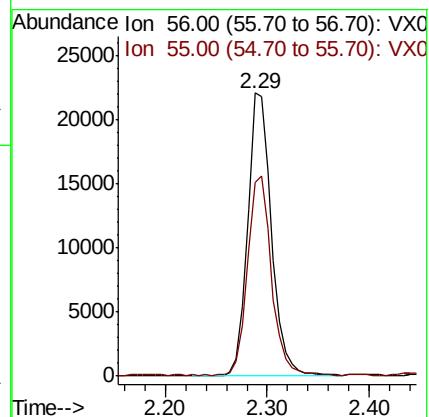
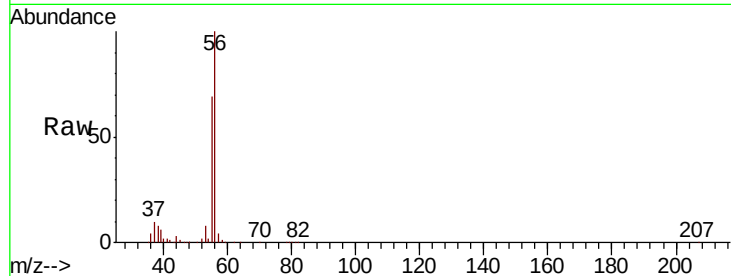
VX0328WBS01

Tot Ion: 56 Resp: 35906

Ion Ratio Lower Upper

56 100

55 70.2 56.5 84.7



#14

Allyl chloride

Concen: 18.193 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

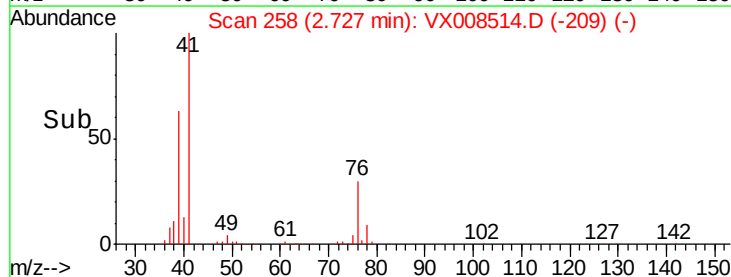
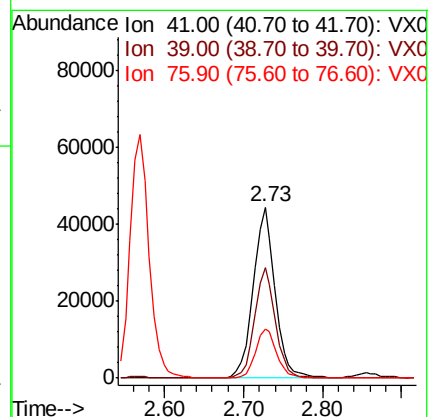
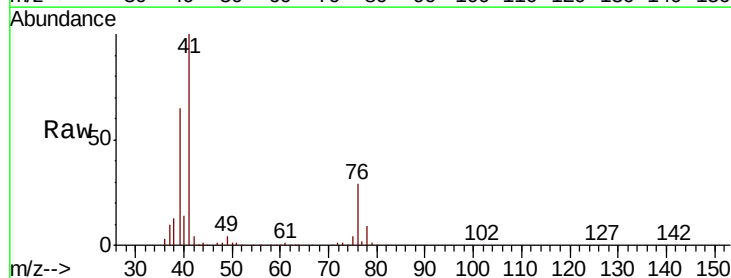
Tgt Ion: 41 Resp: 85933

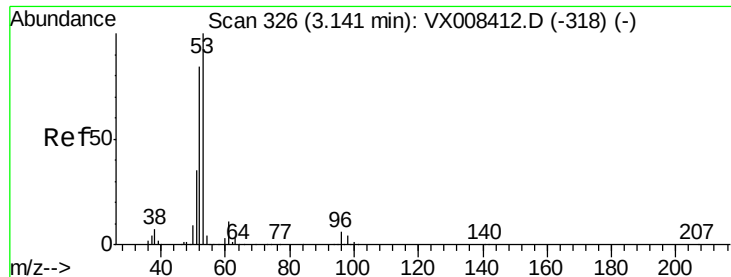
Ion Ratio Lower Upper

41 100

39 60.8 49.6 74.4

76 27.2 22.6 34.0





#15

Acrylonitrile

Concen: 92.666 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

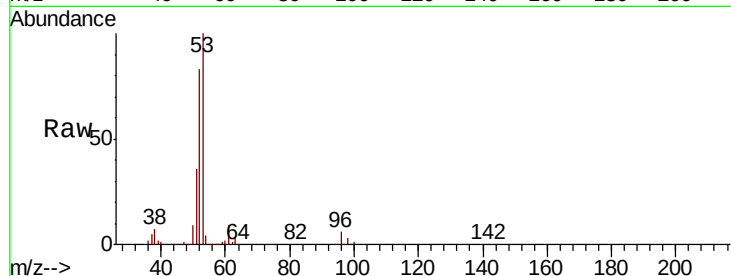
Tot Ion: 53 Resp: 150406

Ion Ratio Lower Upper

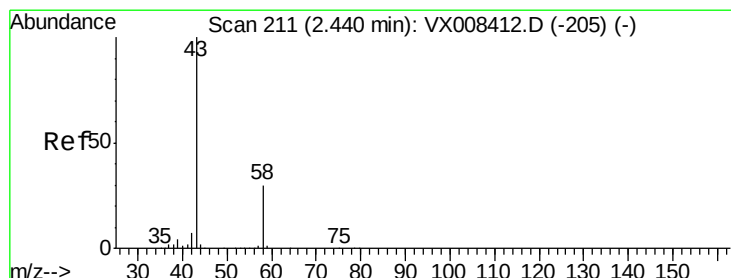
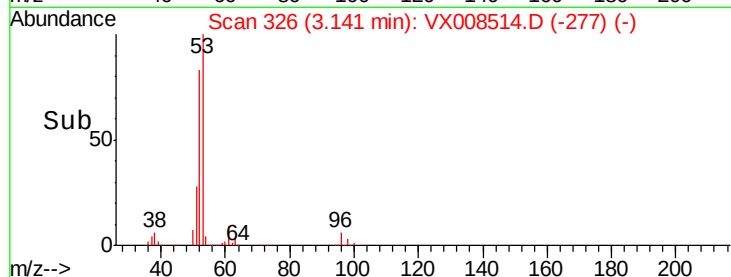
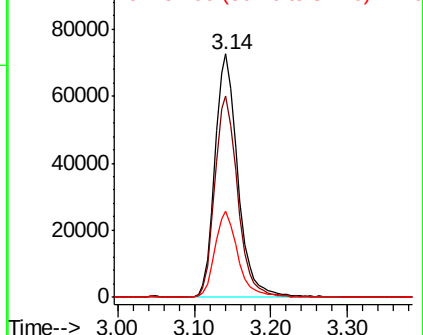
53 100

52 83.2 66.5 99.7

51 35.7 28.3 42.5



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



#16

Acetone

Concen: 93.269 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008514.D

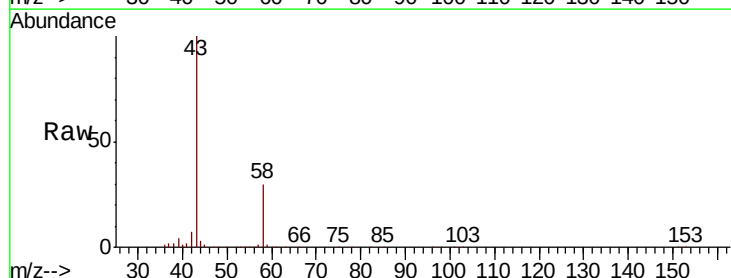
Acq: 28 Mar 2019 13:07

Tgt Ion: 43 Resp: 136190

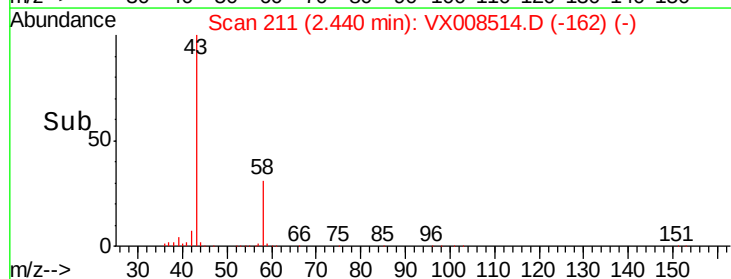
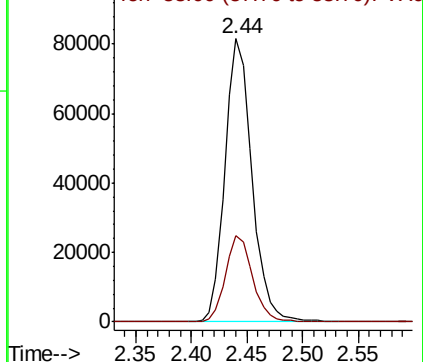
Ion Ratio Lower Upper

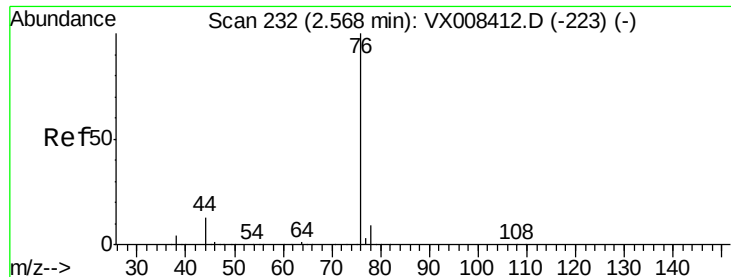
43 100

58 30.5 24.2 36.2



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

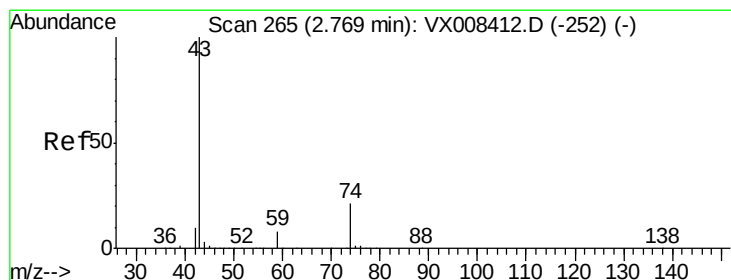
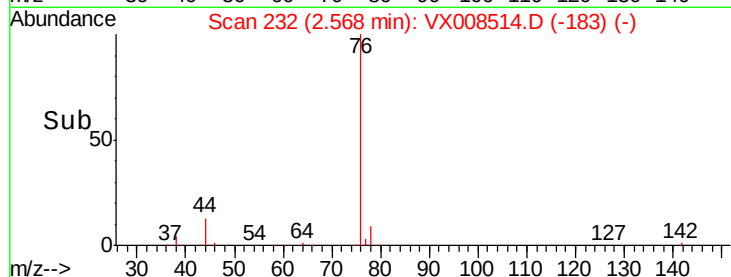
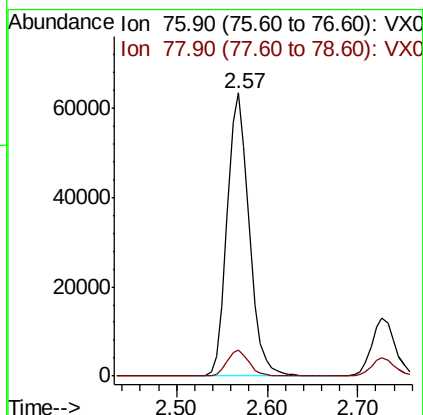
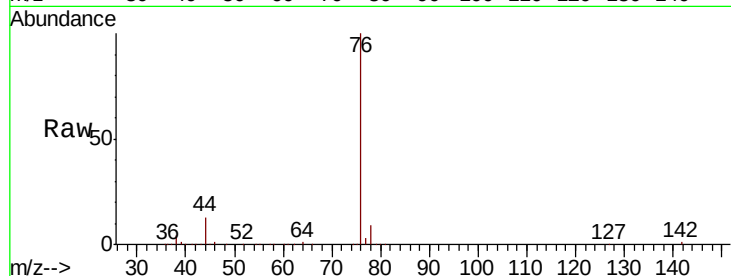




#17
Carbon Disulfide
Concen: 17.139 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

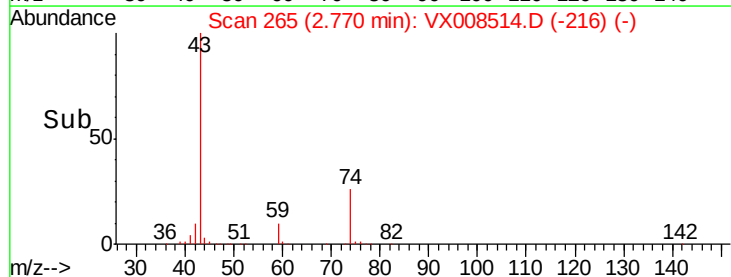
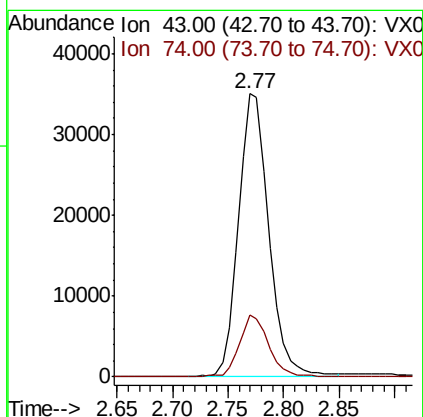
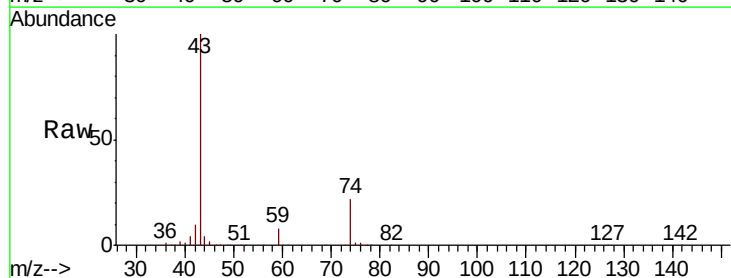
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

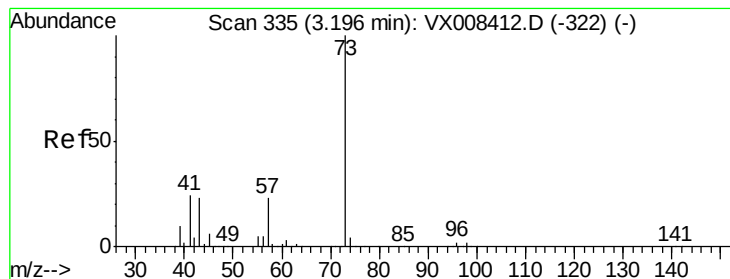
Tot Ion: 76 Resp: 106975
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 18.797 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 43 Resp: 65919
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1



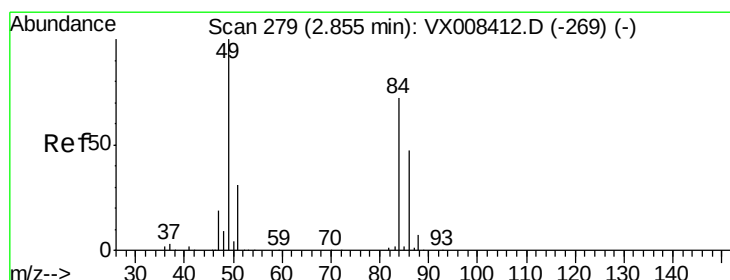
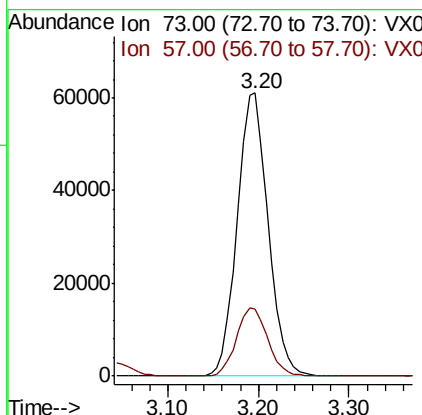
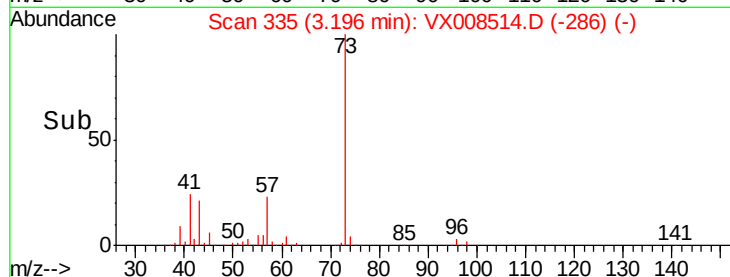
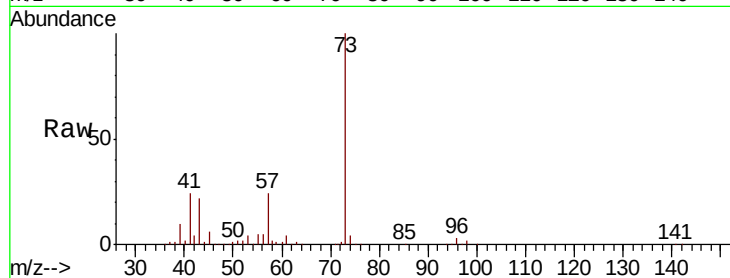


#19

Methyl tert-butyl Ether
 Concen: 18.693 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

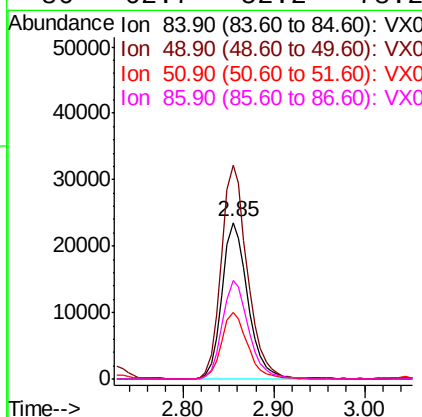
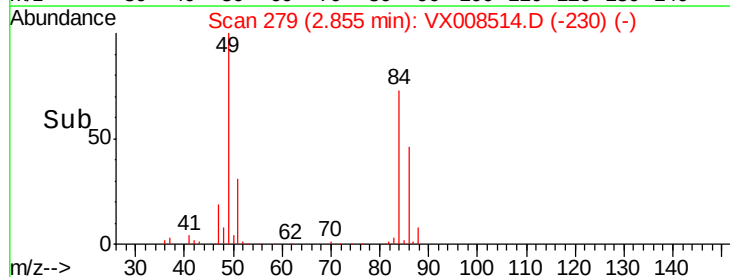
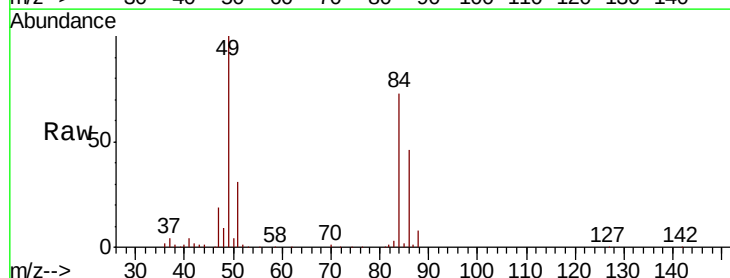
Tot Ion: 73 Resp: 144419
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.6 28.0

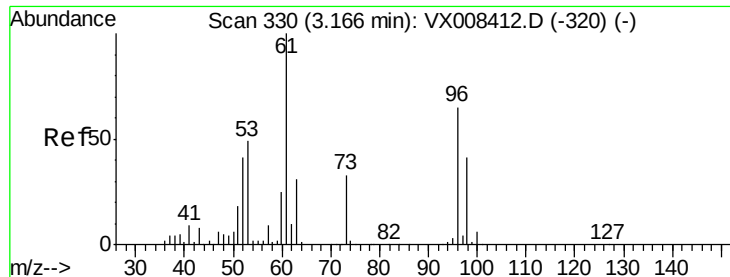


#20

Methylene Chloride
 Concen: 19.243 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 84 Resp: 46796
 Ion Ratio Lower Upper
 84 100
 49 136.5 110.6 165.8
 51 42.0 33.9 50.9
 86 62.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.763 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

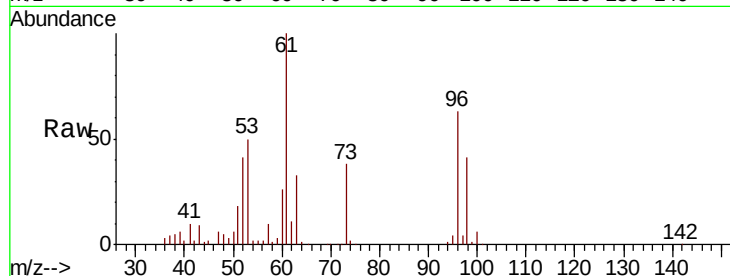
Tot Ion: 96 Resp: 40446

Ion Ratio Lower Upper

96 100

61 159.8 122.6 184.0

98 65.2 50.9 76.3

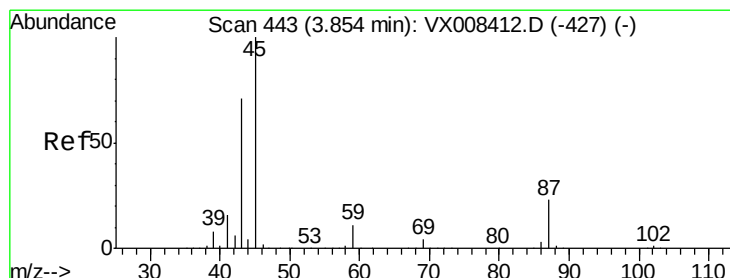
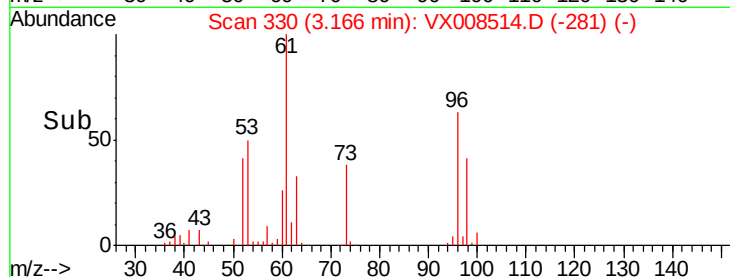
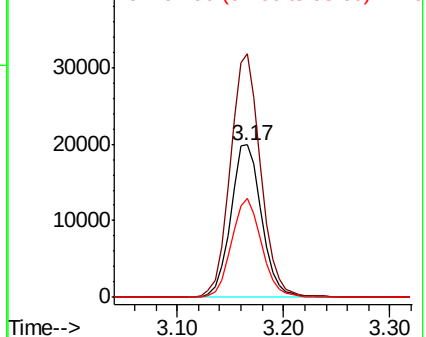


Abundance

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: 18.518 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion: 45 Resp: 172223

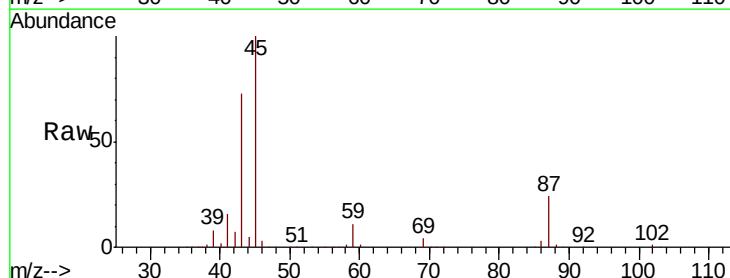
Ion Ratio Lower Upper

45 100

43 72.1 57.1 85.7

87 23.6 18.8 28.2

59 10.7 8.7 13.1



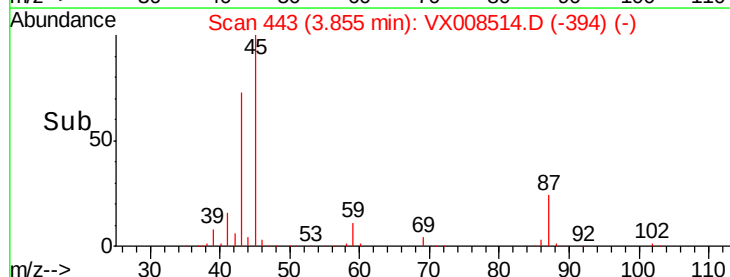
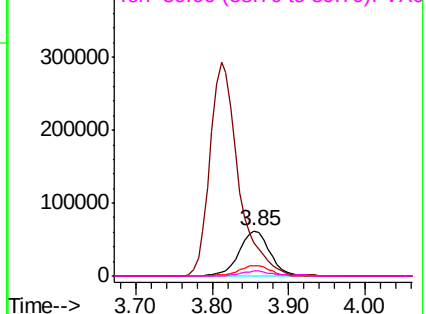
Abundance

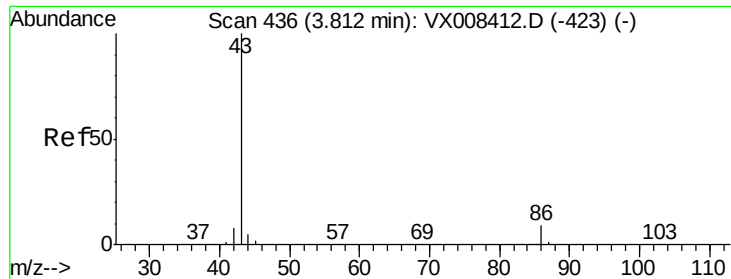
Ion 45.00 (44.70 to 45.70): VX0

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: 93.976 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

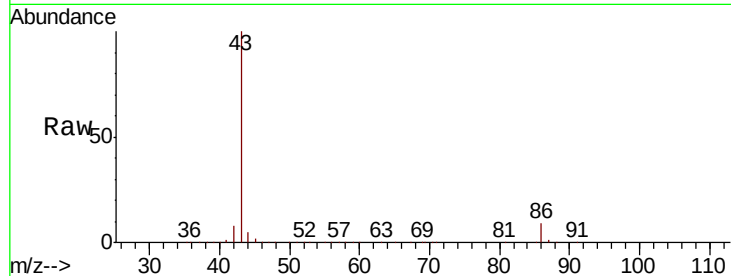
VX0328WBS01

Tot Ion: 43 Resp: 762532

Ion Ratio Lower Upper

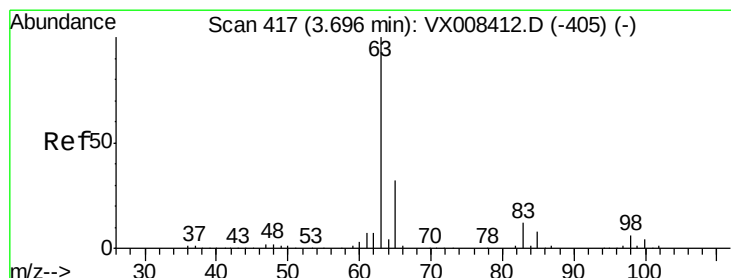
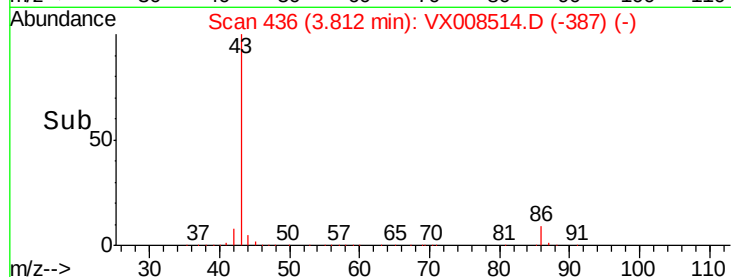
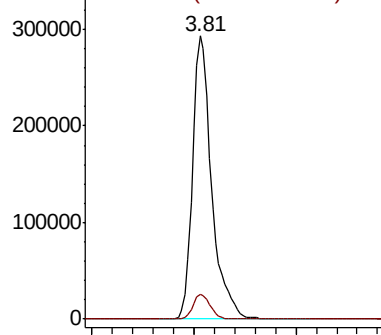
43 100

86 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

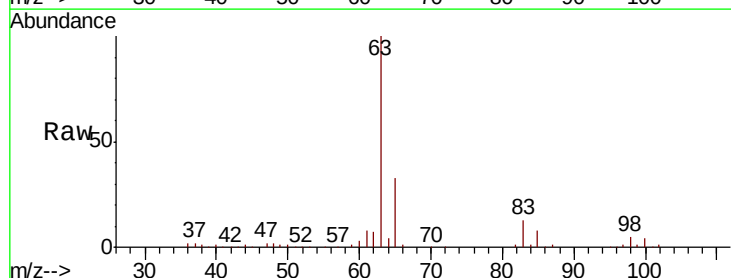
Tgt Ion: 63 Resp: 86160

Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

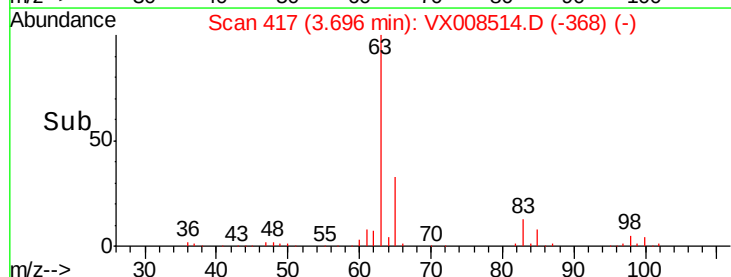
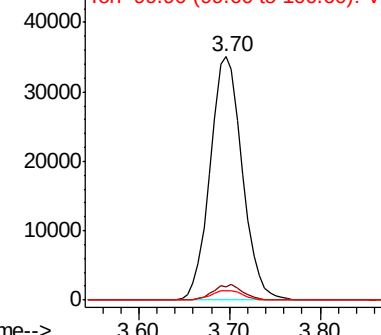
100 3.7 2.0 5.8

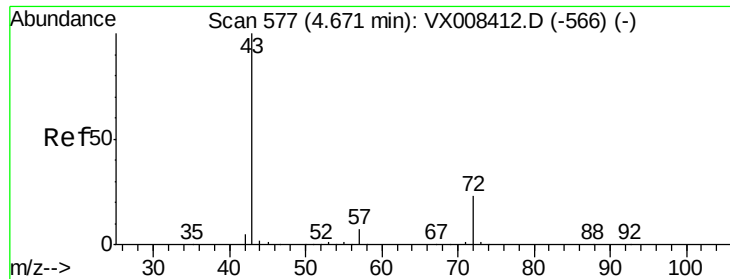


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.937 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

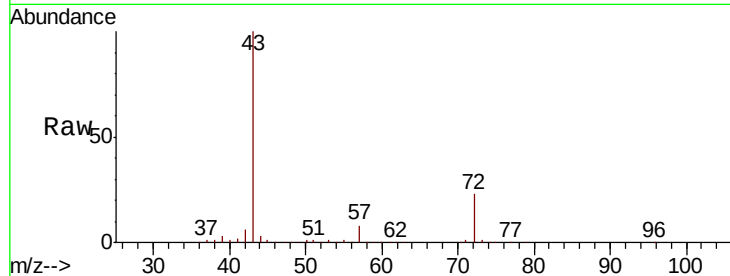
VX0328WBS01

Tot Ion: 43 Resp: 222242

Ion Ratio Lower Upper

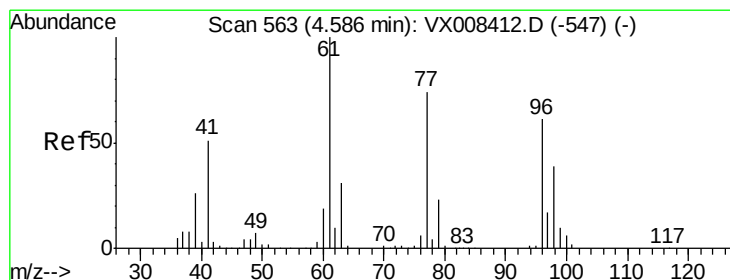
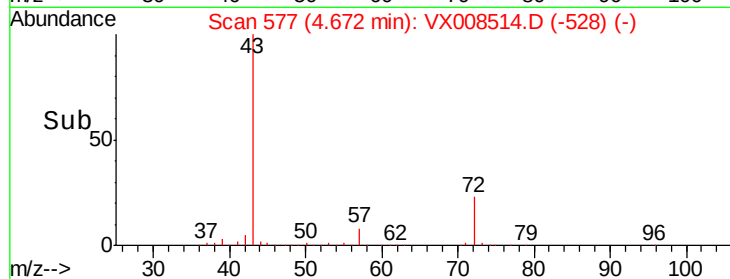
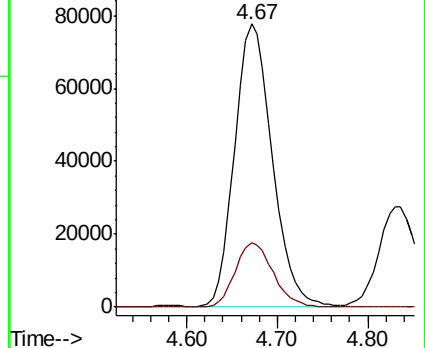
43 100

72 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.214 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008514.D

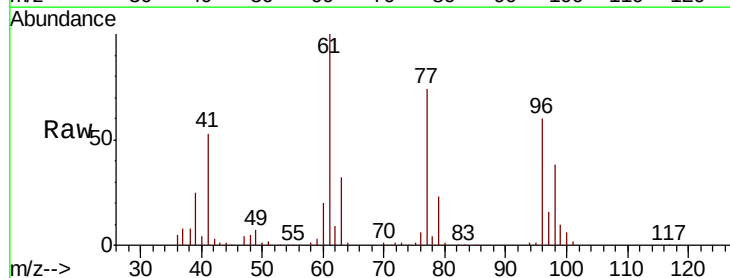
Acq: 28 Mar 2019 13:07

Tgt Ion: 77 Resp: 56883

Ion Ratio Lower Upper

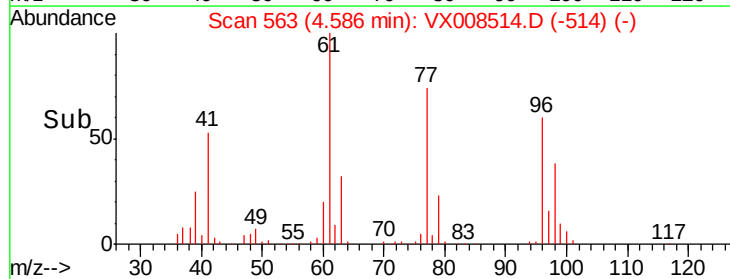
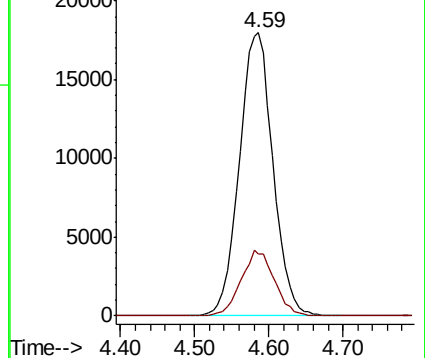
77 100

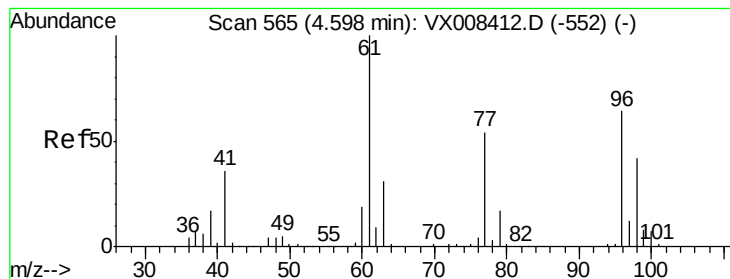
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



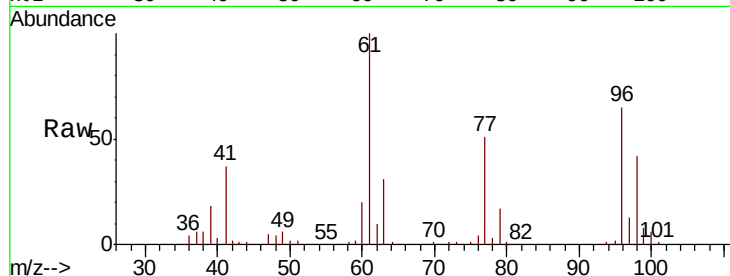


#27

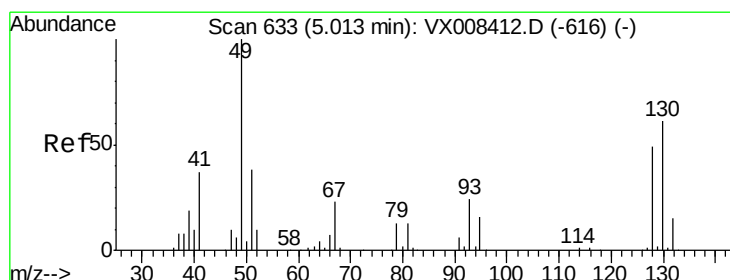
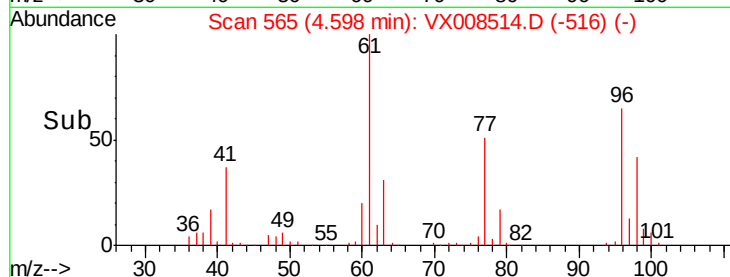
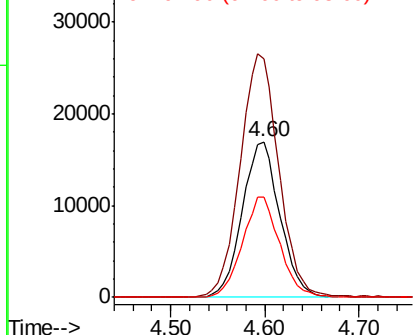
cis-1,2-Dichloroethene
Concen: 18.132 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampled :
VX0328WBS01

Tot Ion: 96 Resp: 47536
Ion Ratio Lower Upper
96 100
61 161.0 0.0 325.6
98 63.9 0.0 130.0



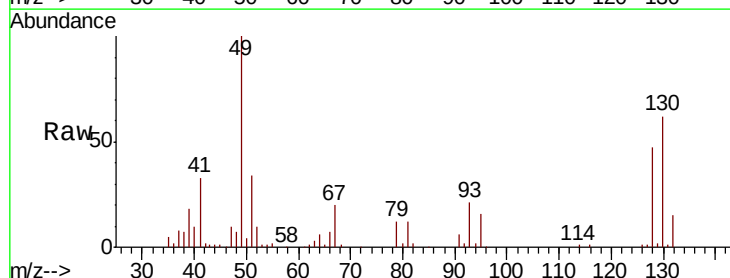
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



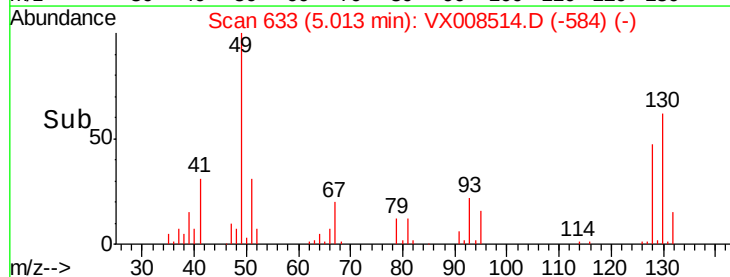
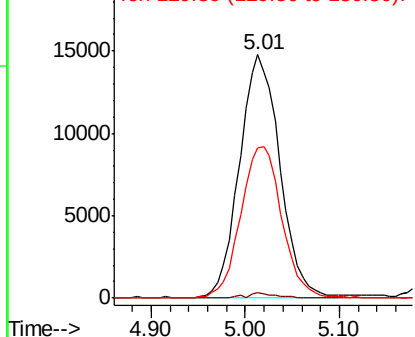
#28

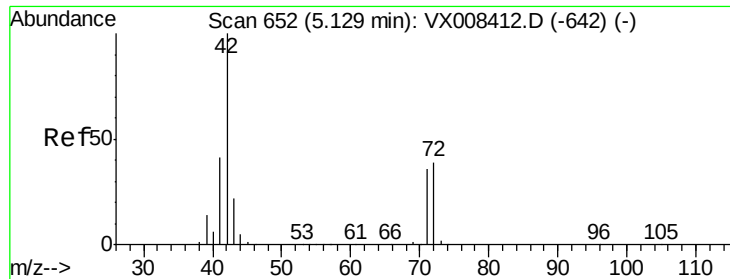
Bromochloromethane
Concen: 19.057 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 49 Resp: 44208
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.4
130 63.4 49.8 74.6



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: 93.980 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

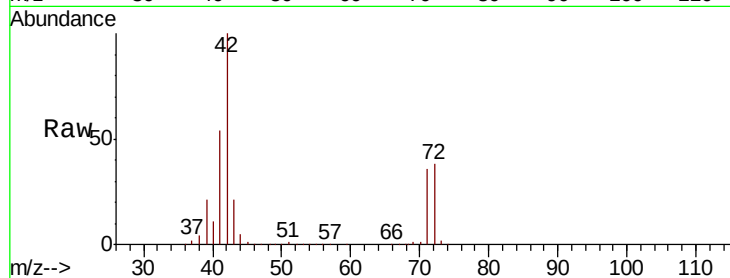
Tot Ion: 42 Resp: 144998

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.2

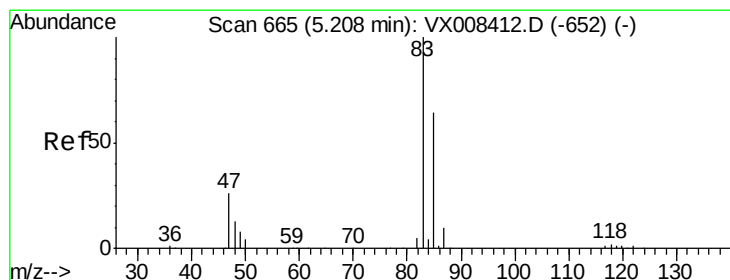
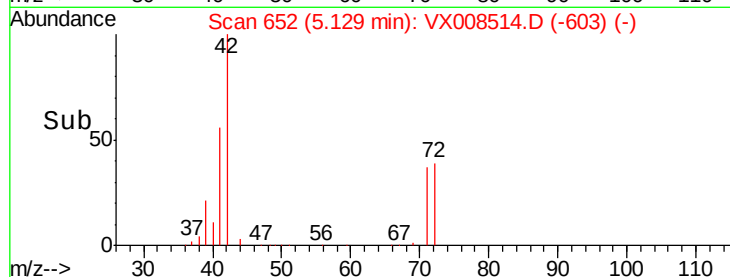
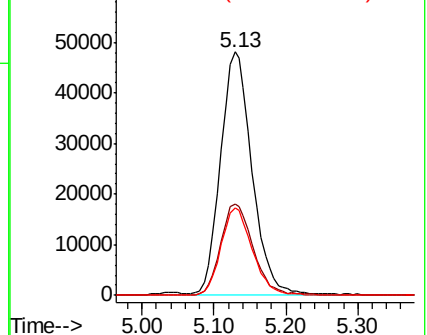
71 36.1 29.4 44.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.319 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX008514.D

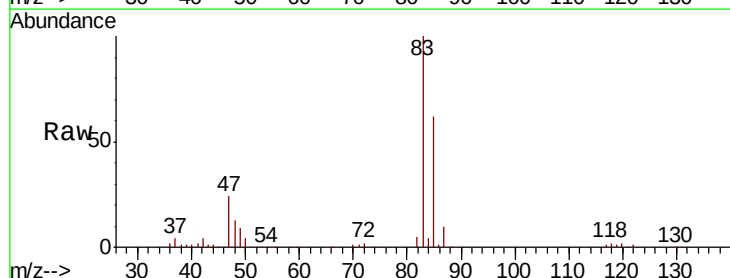
Acq: 28 Mar 2019 13:07

Tgt Ion: 83 Resp: 77624

Ion Ratio Lower Upper

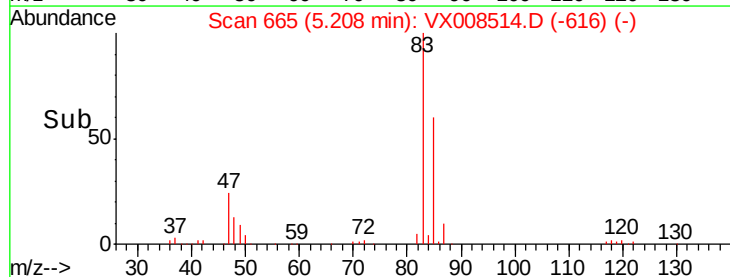
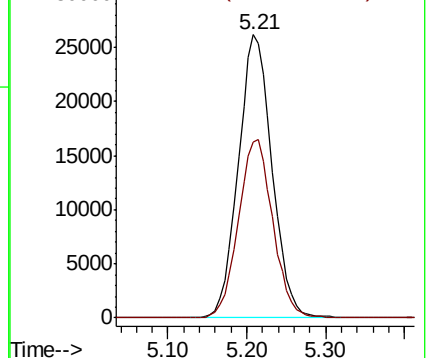
83 100

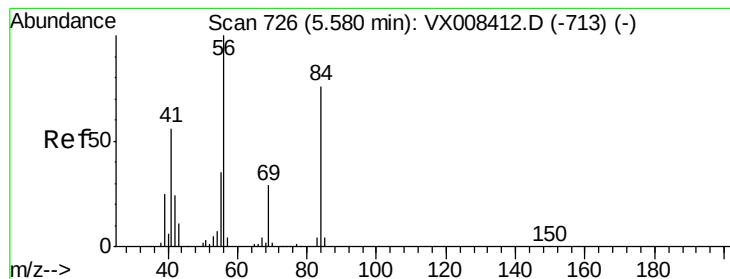
85 62.2 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.088 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

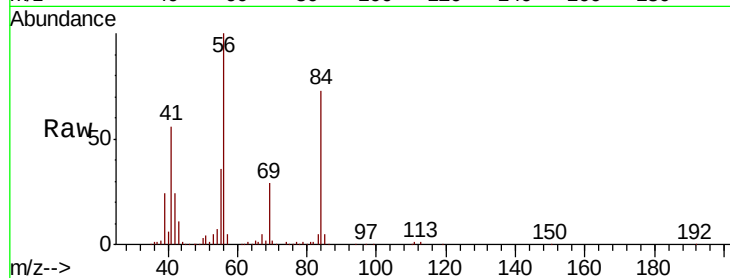
Tot Ion: 56 Resp: 81000

Ion Ratio Lower Upper

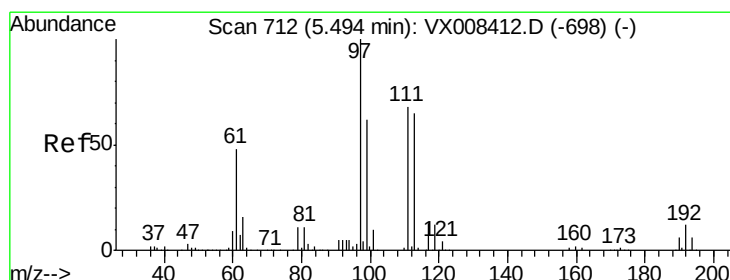
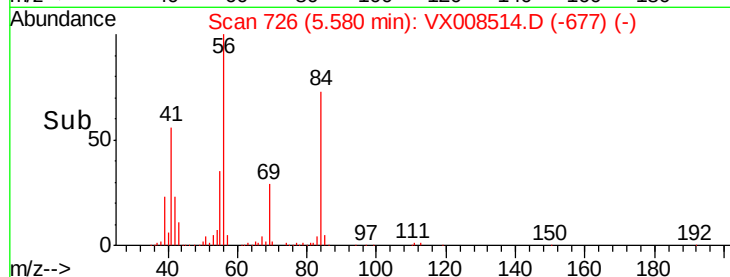
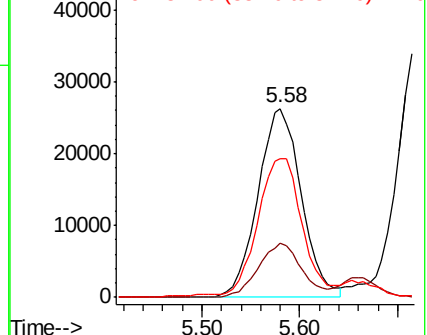
56 100

69 28.8 23.2 34.8

84 72.2 60.7 91.1



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: 18.136 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

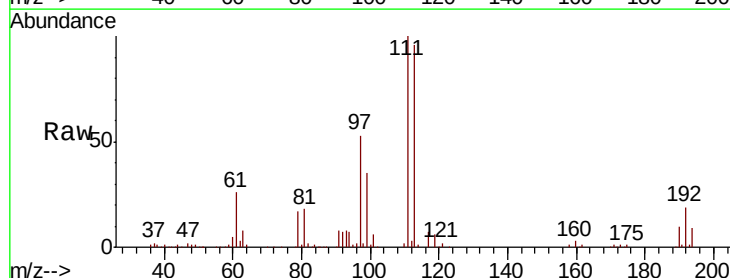
Tgt Ion: 97 Resp: 61429

Ion Ratio Lower Upper

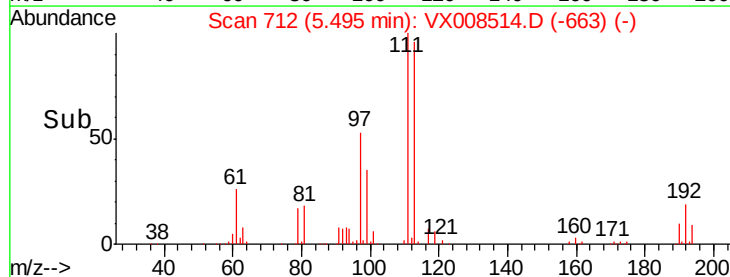
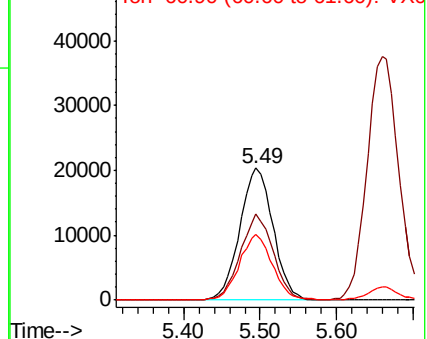
97 100

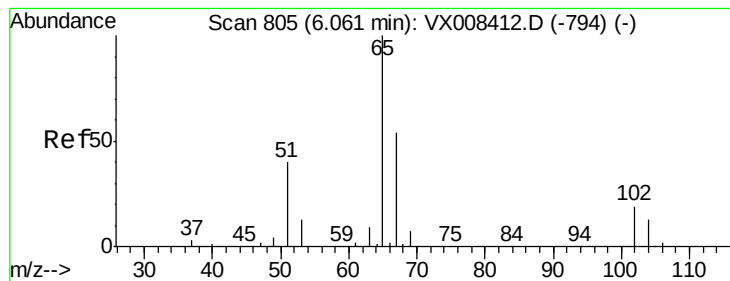
99 64.5 51.5 77.3

61 49.7 38.8 58.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.328 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

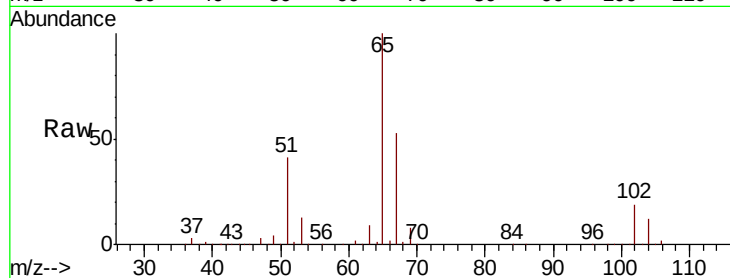
VX0328WBS01

Tot Ion: 65 Resp: 146194

Ion Ratio Lower Upper

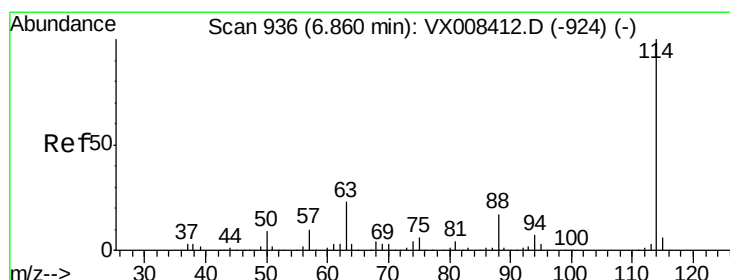
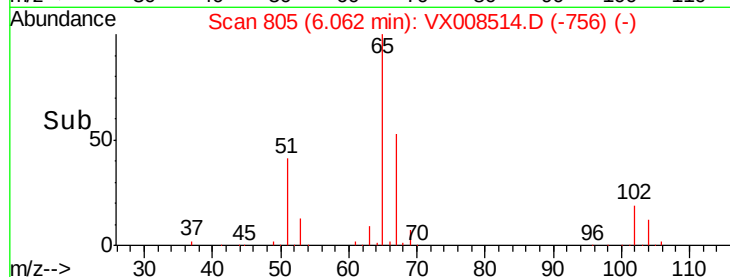
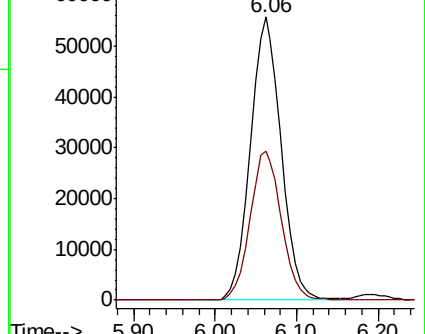
65 100

67 53.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

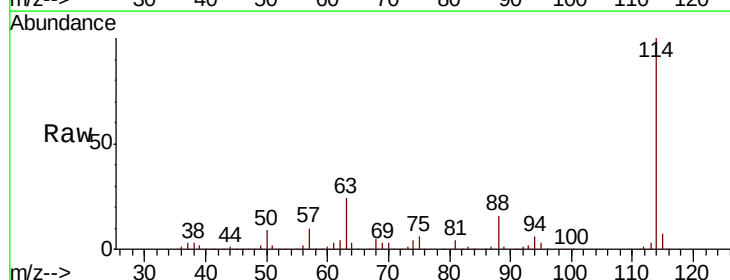
Tgt Ion: 114 Resp: 314787

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

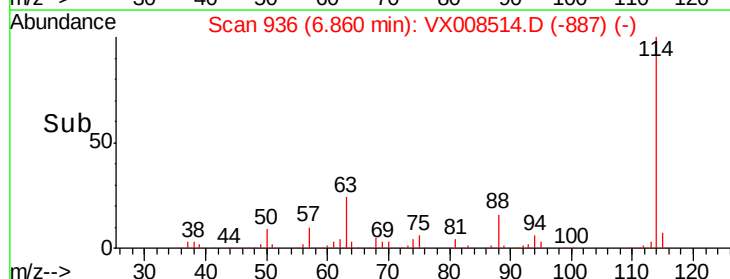
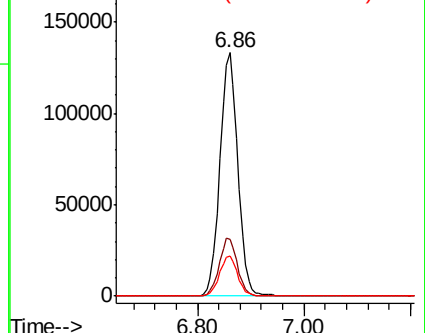
88 16.2 0.0 33.2

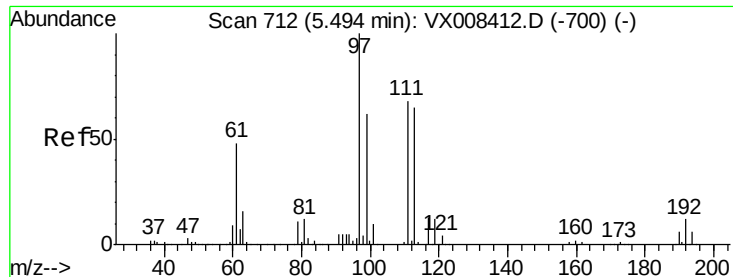


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

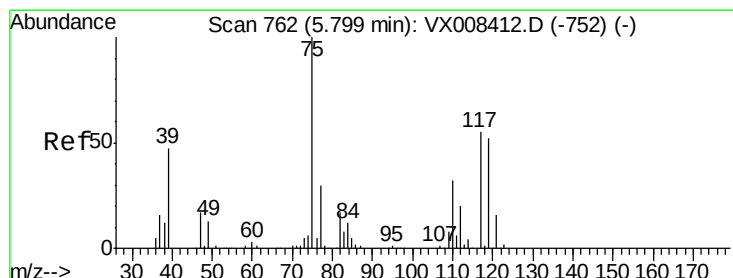
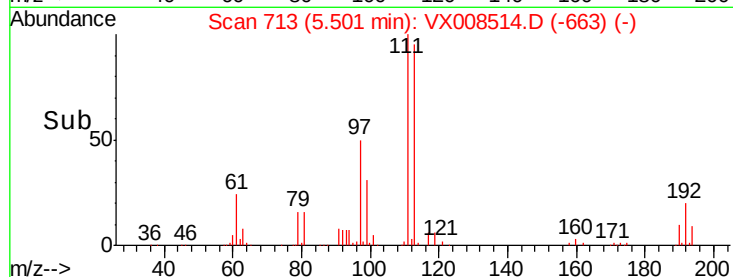
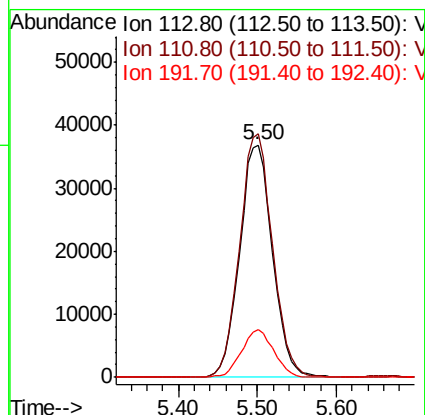
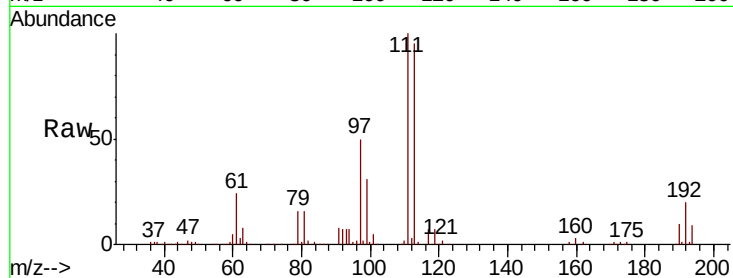




#35
 Dibromofluoromethane
 Concen: 52.114 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

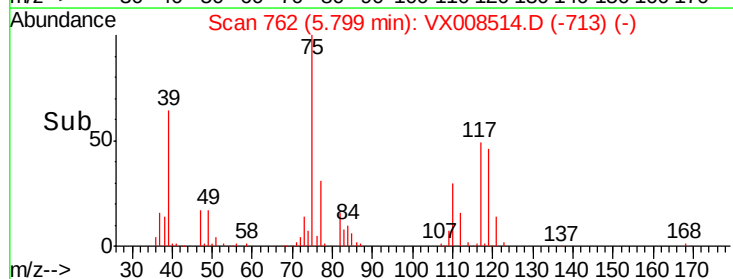
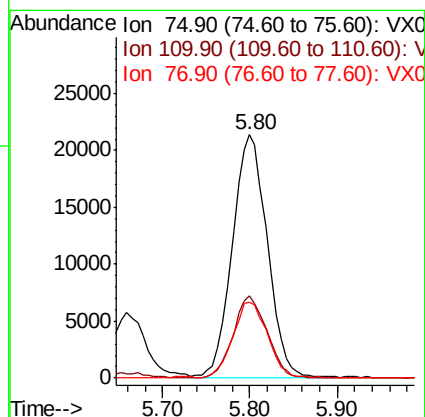
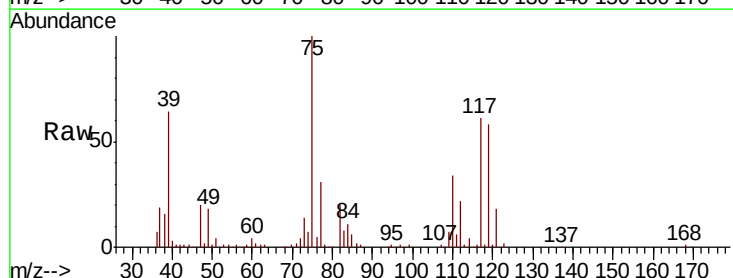
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

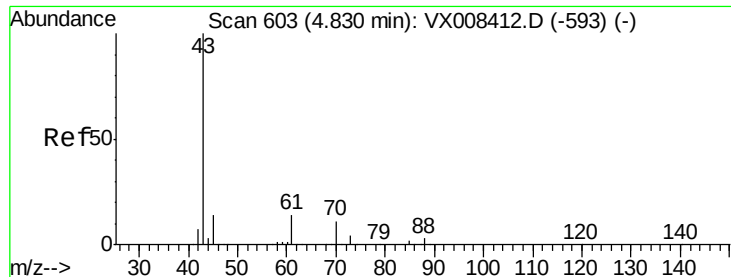
Tot Ion:113 Resp: 106966
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.0 124.4
 192 20.2 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 17.502 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 75 Resp: 58744
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.6 49.7
 77 31.8 24.2 36.2

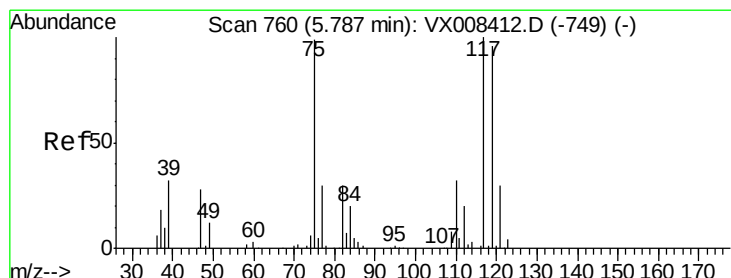
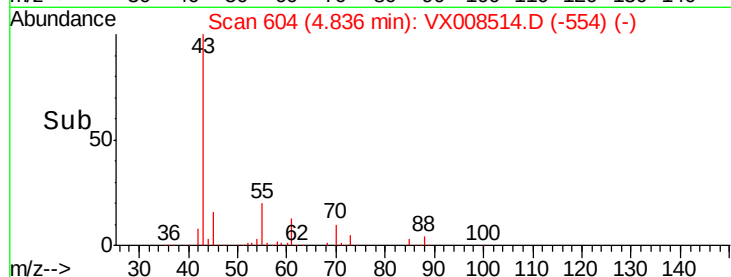
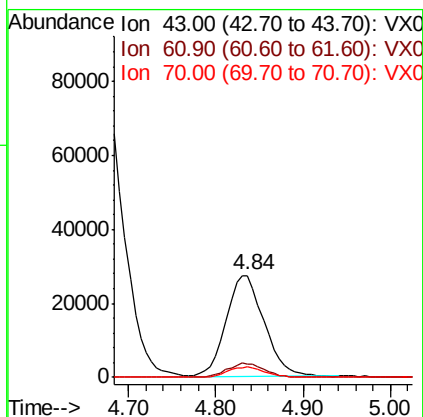
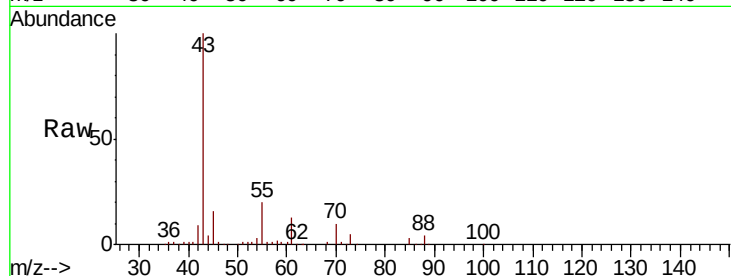




#37
Ethyl Acetate
Concen: 18.948 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

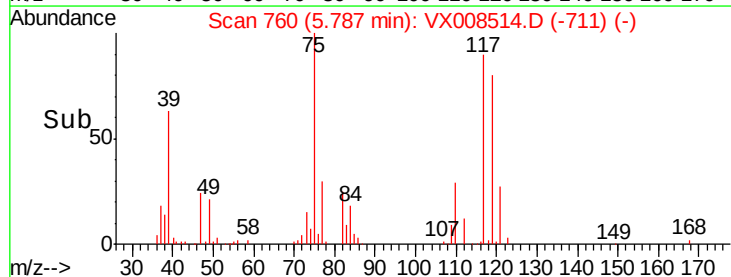
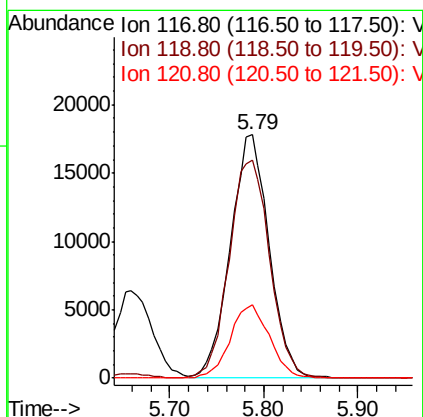
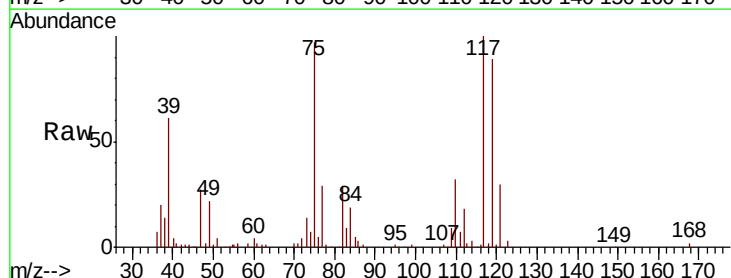
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

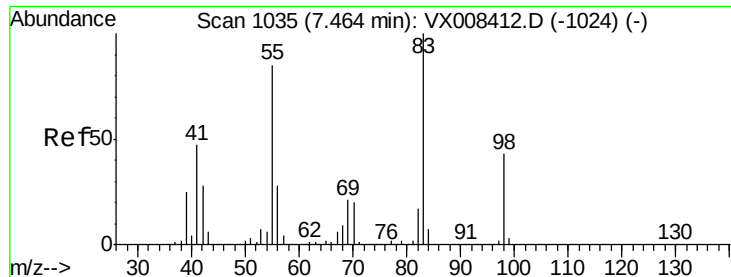
Tot Ion: 43 Resp: 82389
Ion Ratio Lower Upper
43 100
61 14.3 10.5 15.7
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.237 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 117 Resp: 51082
Ion Ratio Lower Upper
117 100
119 89.4 76.7 115.1
121 30.1 24.3 36.5

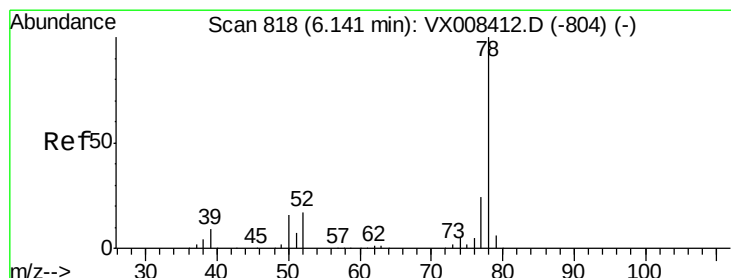
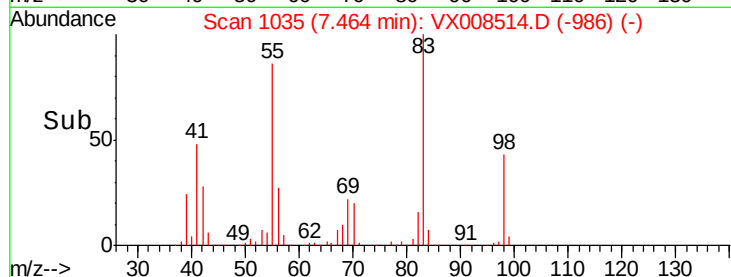
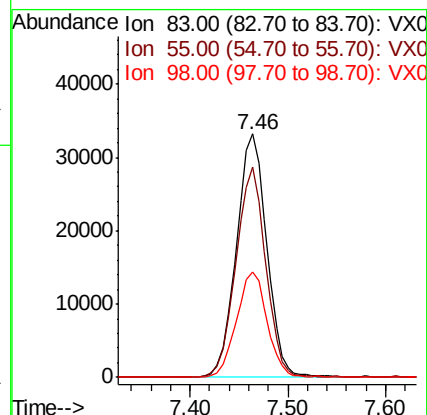
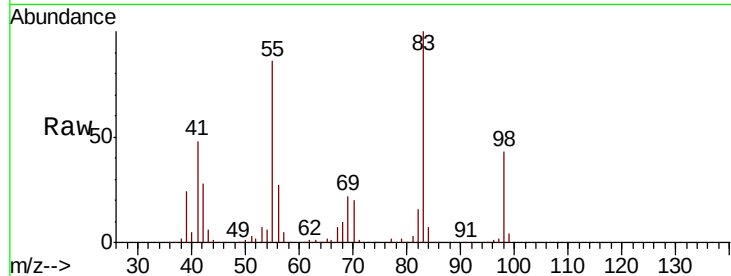




#39
Methylvlcyclohexane
Concen: 17.828 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

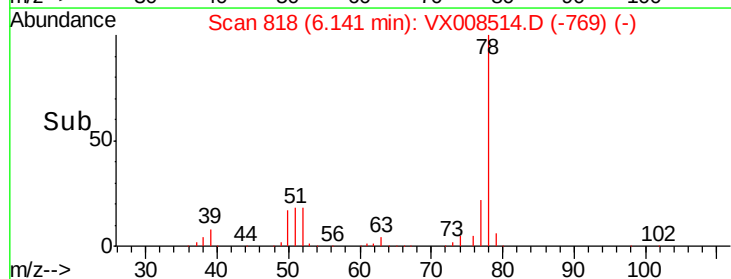
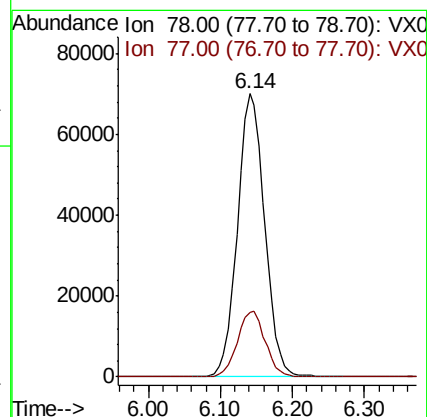
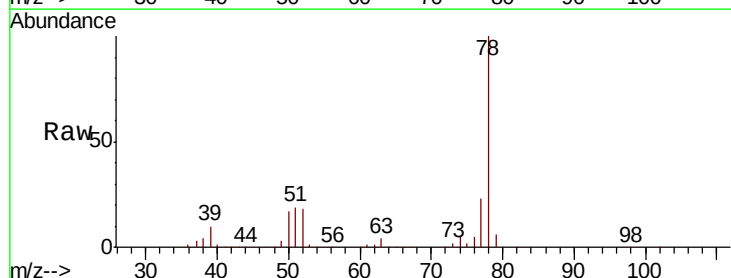
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

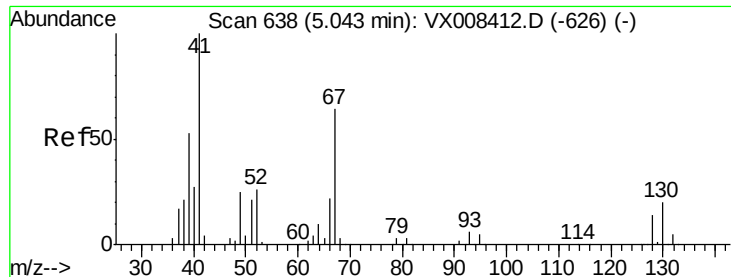
Tot Ion: 83 Resp: 71508
Ion Ratio Lower Upper
83 100
55 86.3 68.2 102.4
98 43.1 34.2 51.4



#40
Benzene
Concen: 18.267 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 78 Resp: 183551
Ion Ratio Lower Upper
78 100
77 22.8 19.3 28.9





#41

Methacrylonitrile

Concen: 19.085 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion: 41 Resp: 46633

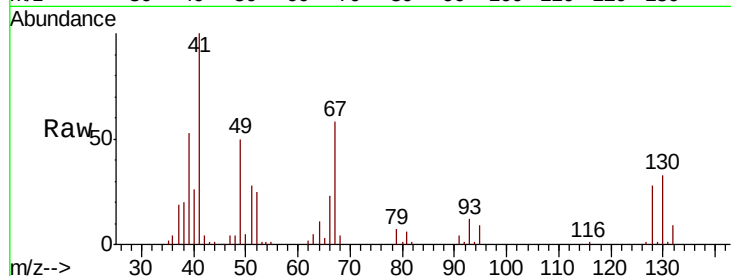
Ion Ratio Lower Upper

41 100

39 53.3 42.6 64.0

67 65.1 52.2 78.4

52 26.8 21.4 32.0

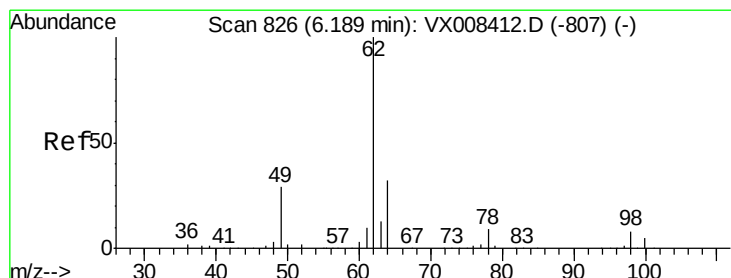
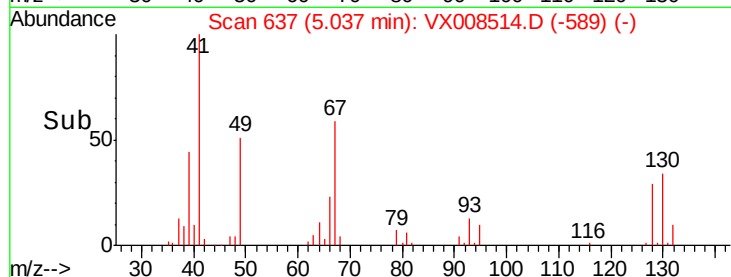
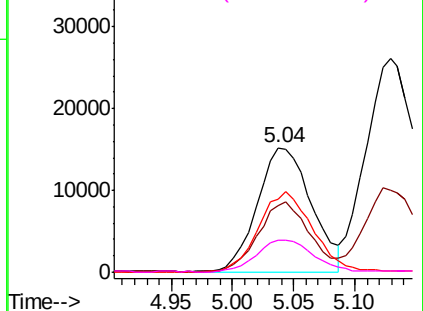


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.025 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX008514.D

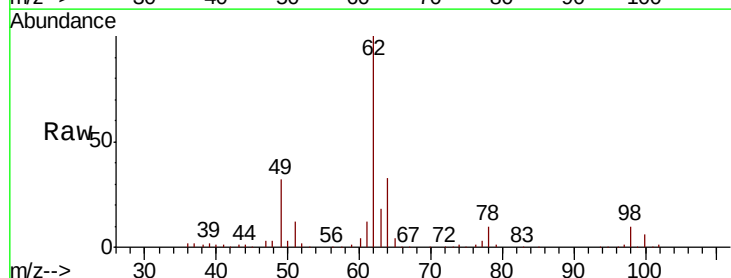
Acq: 28 Mar 2019 13:07

Tgt Ion: 62 Resp: 66313

Ion Ratio Lower Upper

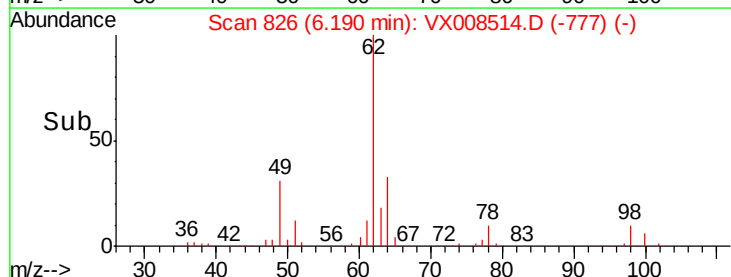
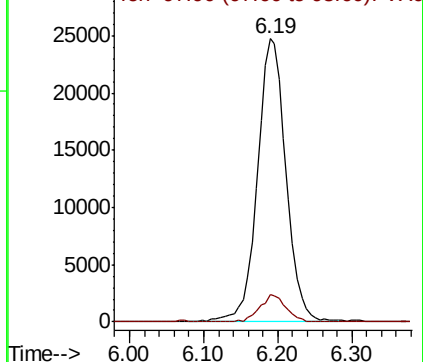
62 100

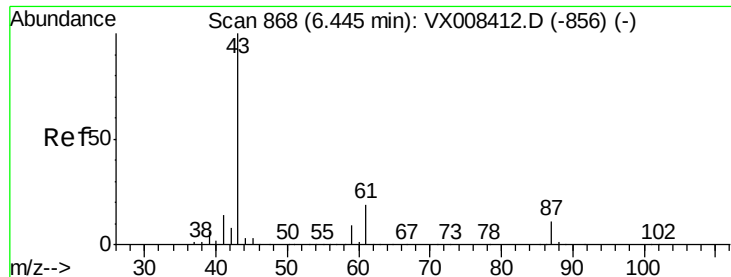
98 8.9 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.683 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

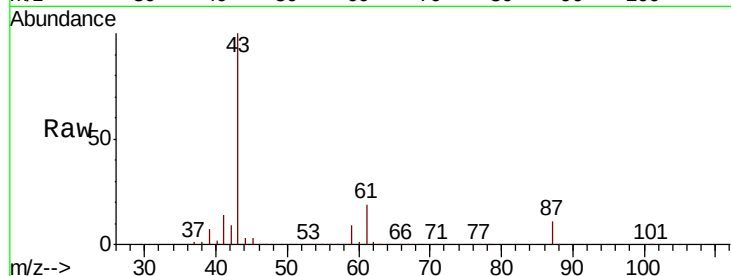
Tot Ion: 43 Resp: 129935

Ion Ratio Lower Upper

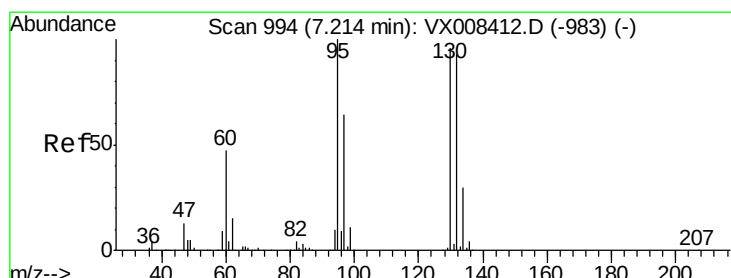
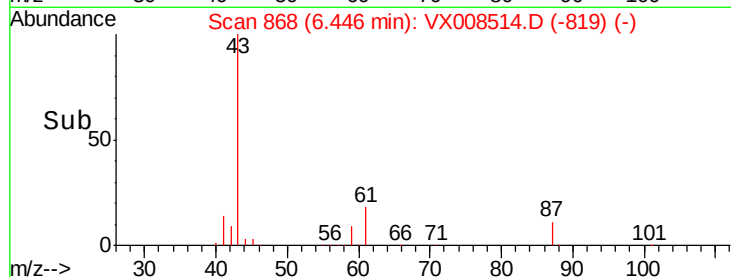
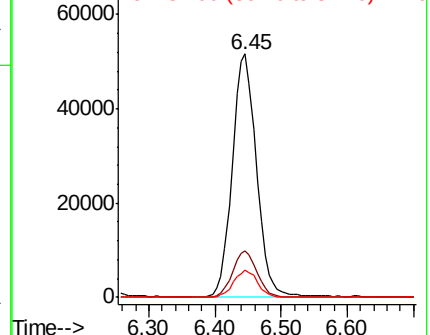
43 100

61 19.7 15.4 23.2

87 11.3 9.1 13.7



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: 17.770 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008514.D

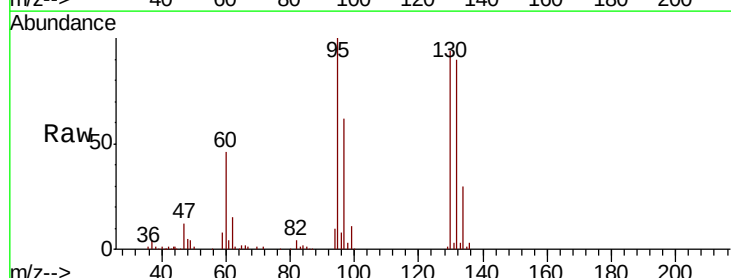
Acq: 28 Mar 2019 13:07

Tgt Ion:130 Resp: 41924

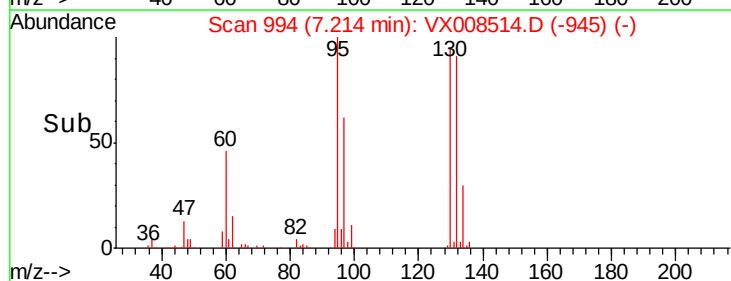
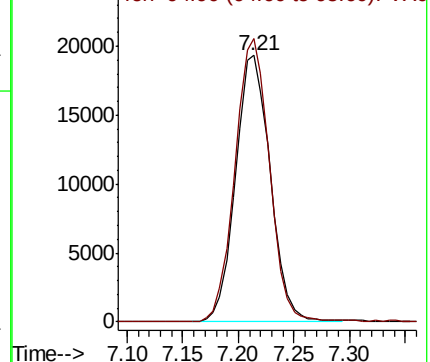
Ion Ratio Lower Upper

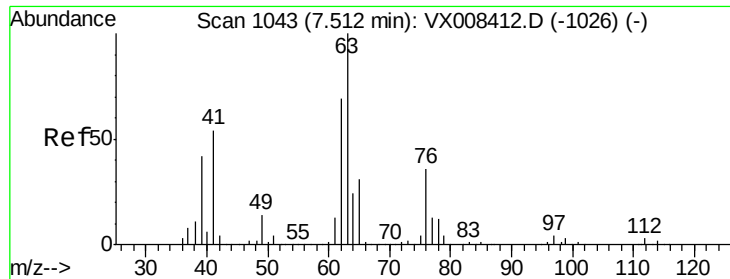
130 100

95 106.2 0.0 208.8



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





#45

1,2-Dichloropropane

Concen: 18.482 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

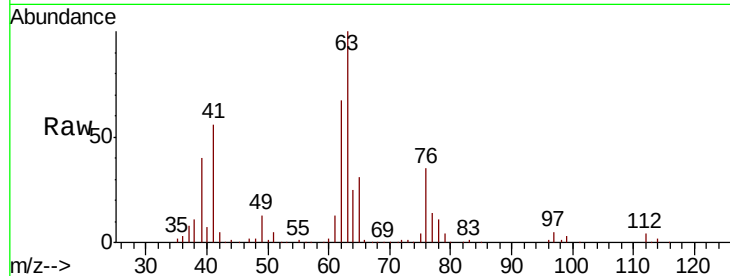
VX0328WBS01

Tot Ion: 63 Resp: 52785

Ion Ratio Lower Upper

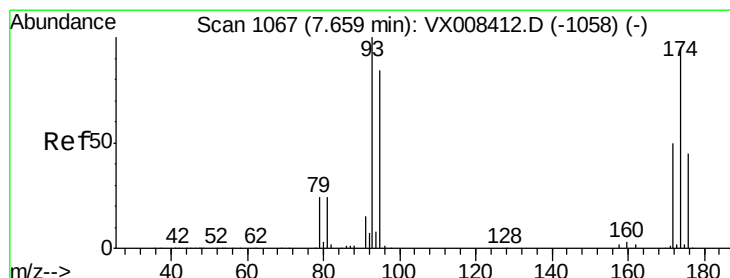
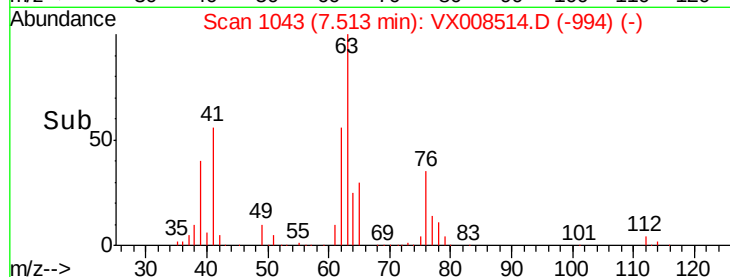
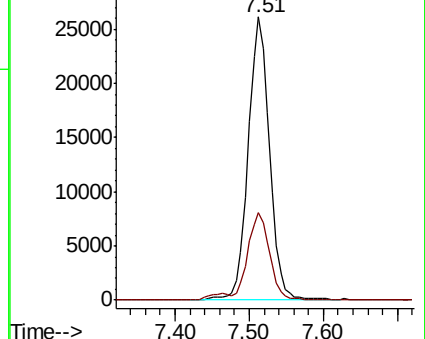
63 100

65 31.0 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.106 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

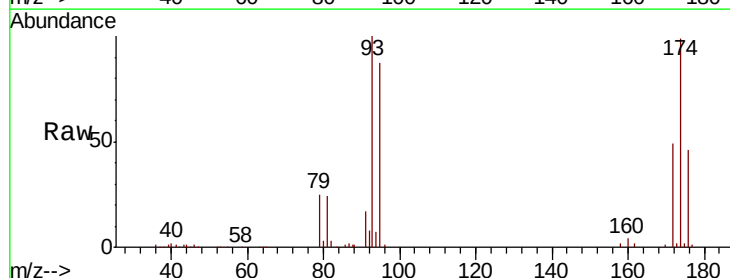
Tgt Ion: 93 Resp: 30197

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

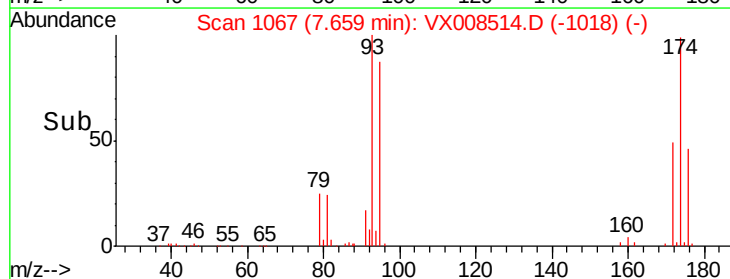
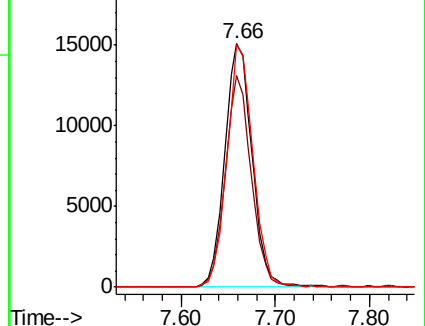
174 95.7 76.0 114.0

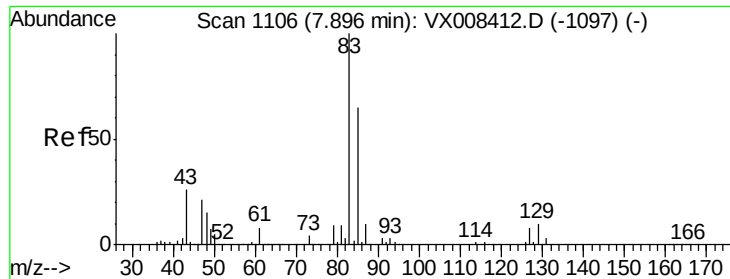


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.869 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

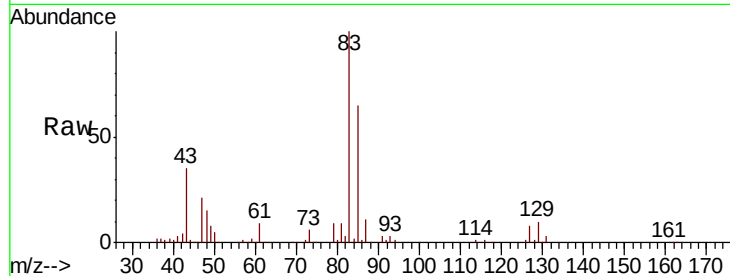
Tot Ion: 83 Resp: 57042

Ion Ratio Lower Upper

83 100

85 65.0 52.0 78.0

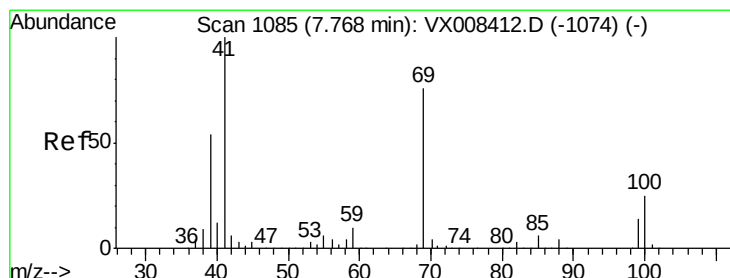
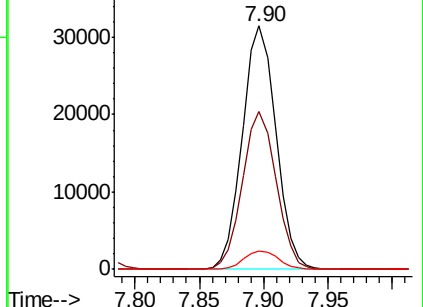
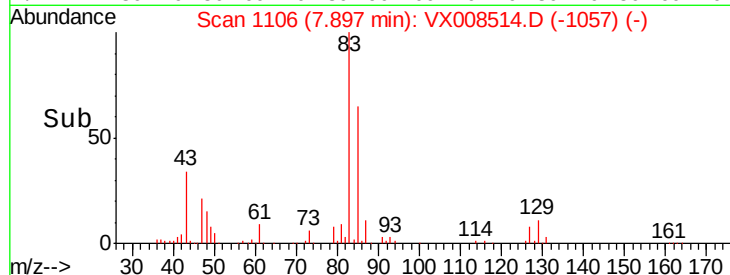
127 7.6 6.4 9.6



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: 18.792 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

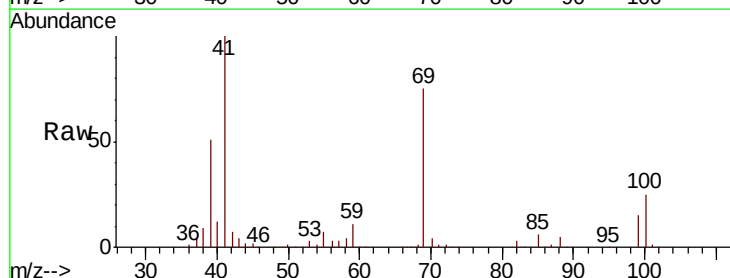
Tgt Ion: 41 Resp: 65393

Ion Ratio Lower Upper

41 100

69 75.2 60.8 91.2

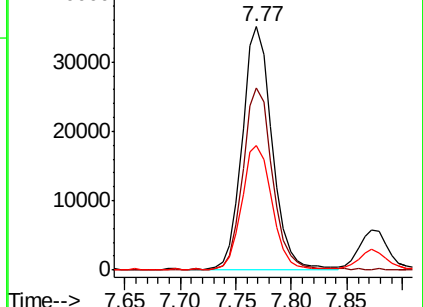
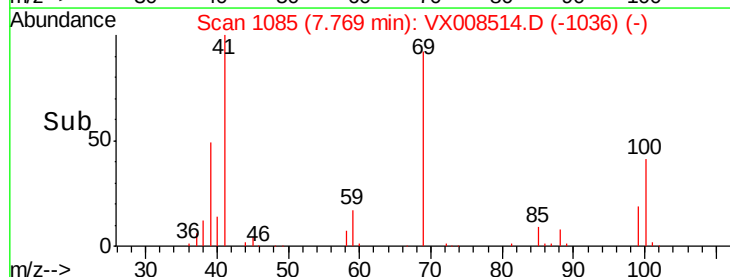
39 51.0 42.3 63.5

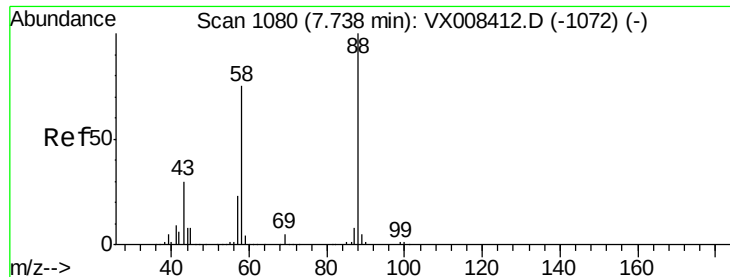


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

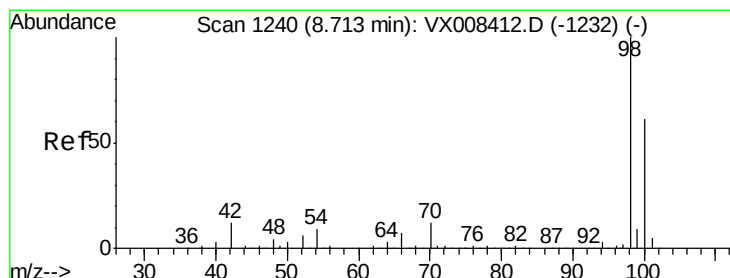
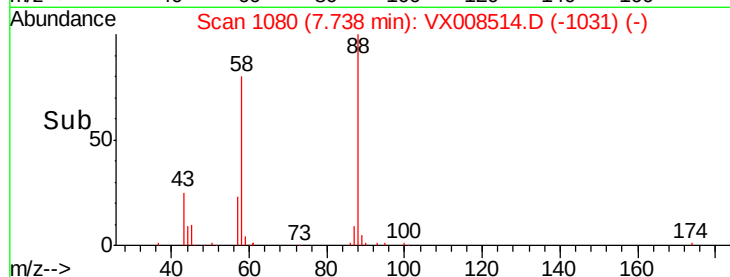
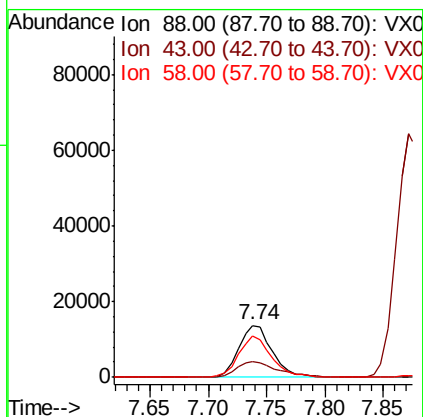
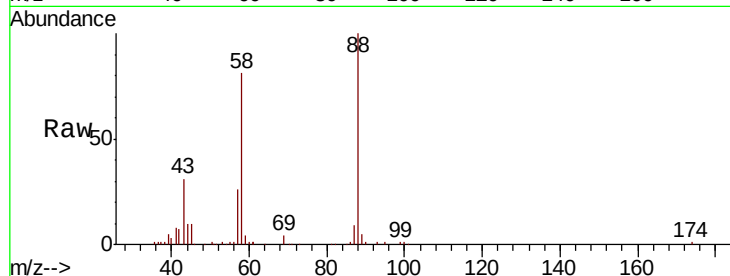




#49
1,4-Dioxane
Concen: 396.882 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

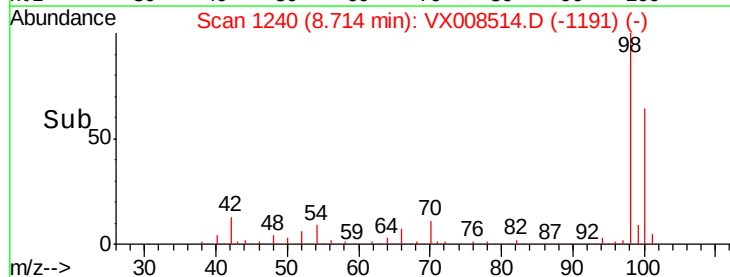
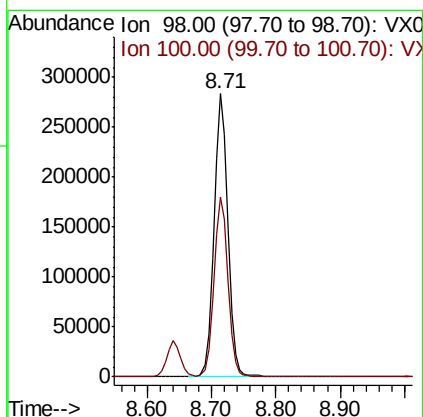
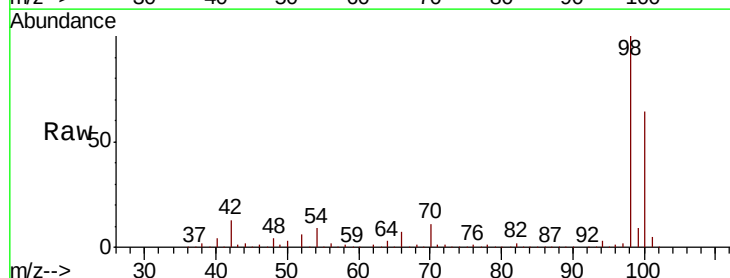
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

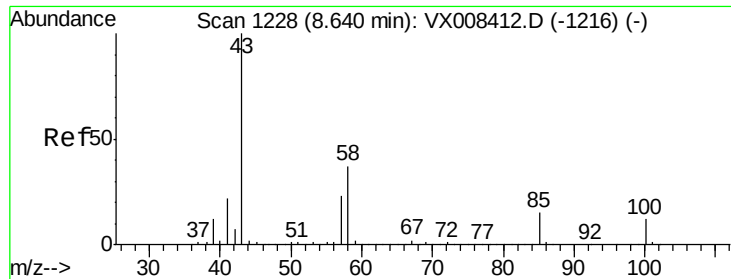
Tot Ion: 88 Resp: 27461
Ion Ratio Lower Upper
88 100
43 35.9 28.6 43.0
58 78.6 63.0 94.4



#50
Toluene-d8
Concen: 52.481 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 98 Resp: 430732
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 95.566 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

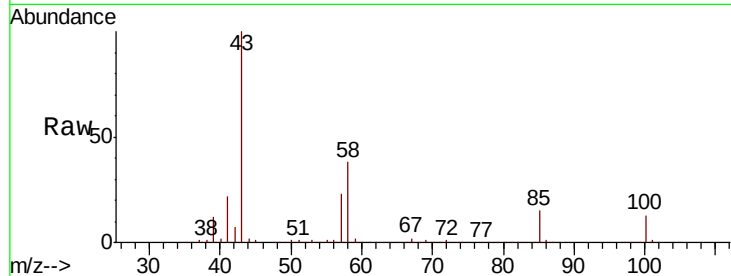
VX0328WBS01

Tot Ion: 43 Resp: 431689

Ion Ratio Lower Upper

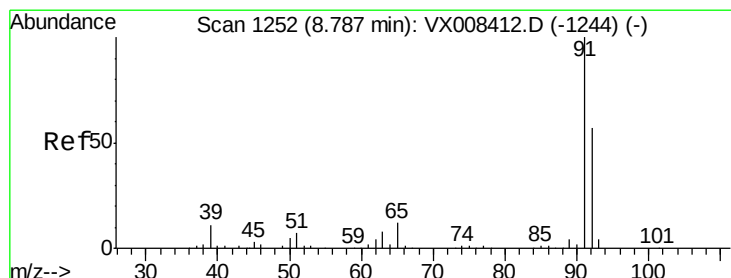
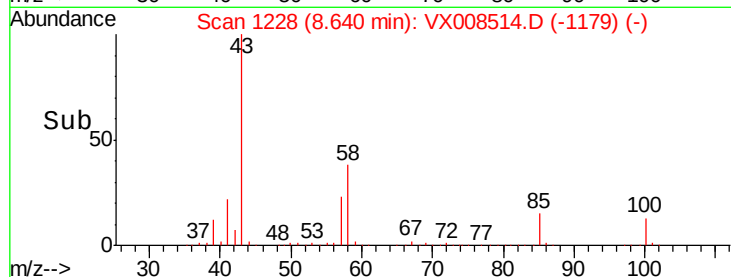
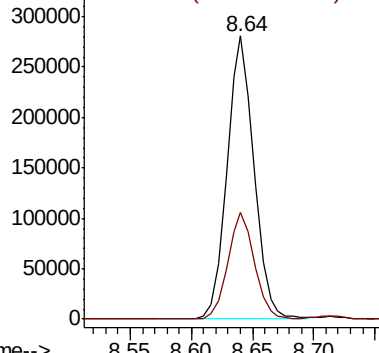
43 100

58 37.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.418 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008514.D

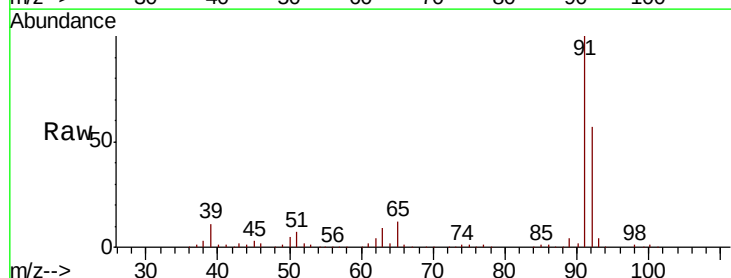
Acq: 28 Mar 2019 13:07

Tgt Ion: 92 Resp: 110652

Ion Ratio Lower Upper

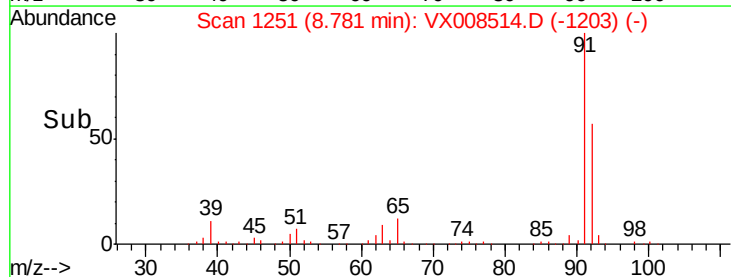
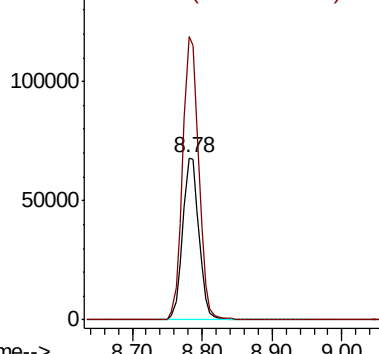
92 100

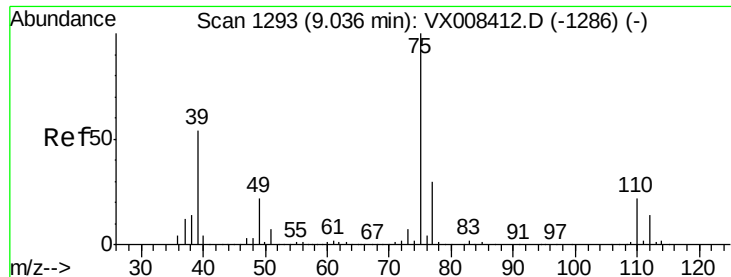
91 173.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.080 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

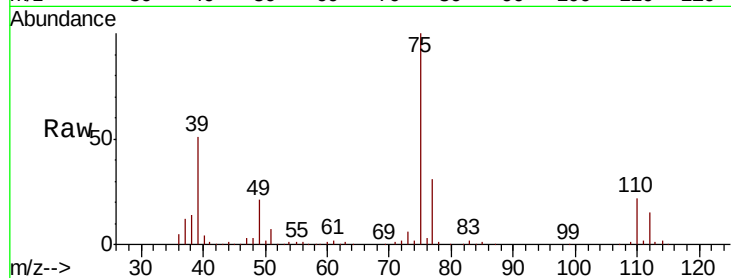
VX0328WBS01

Tot Ion: 75 Resp: 63217

Ion Ratio Lower Upper

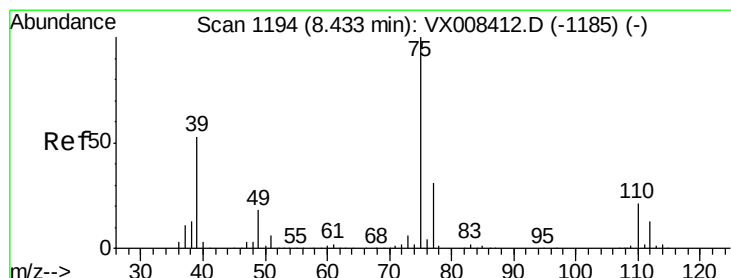
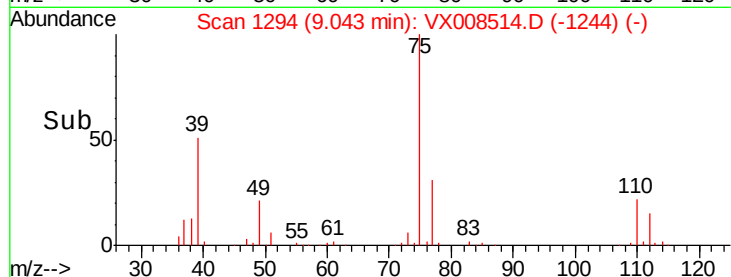
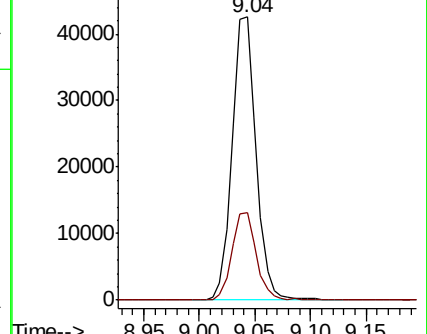
75 100

77 31.0 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.030 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

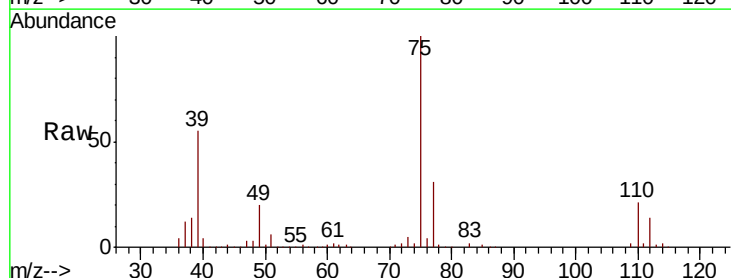
Tgt Ion: 75 Resp: 71685

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

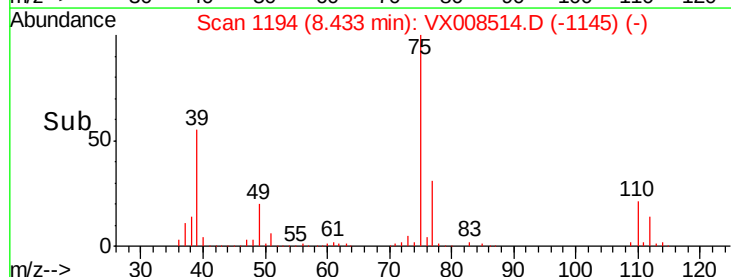
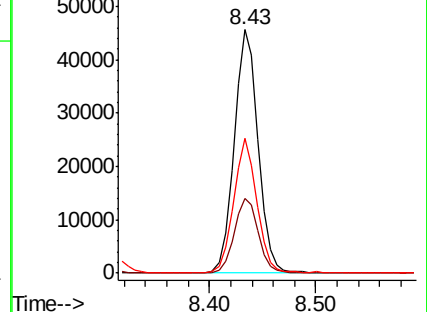
39 54.9 42.4 63.6

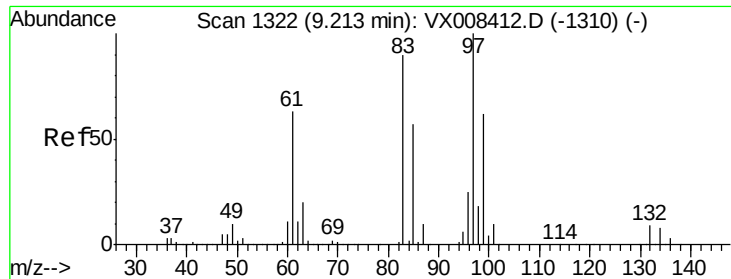


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

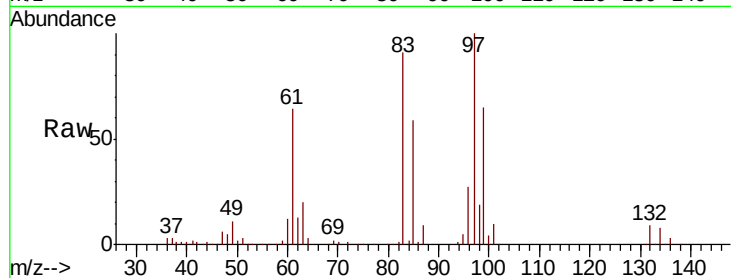




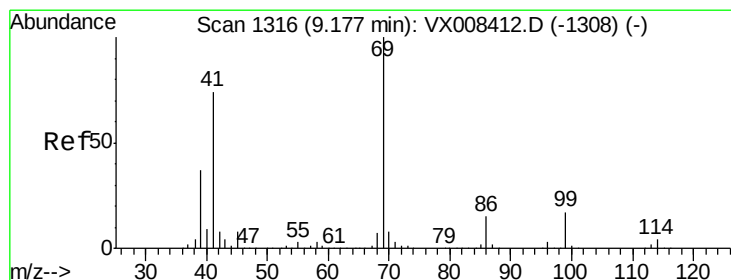
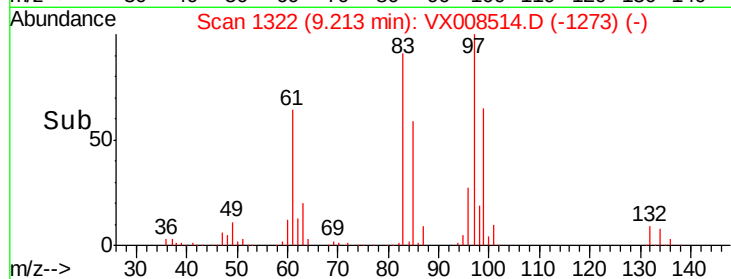
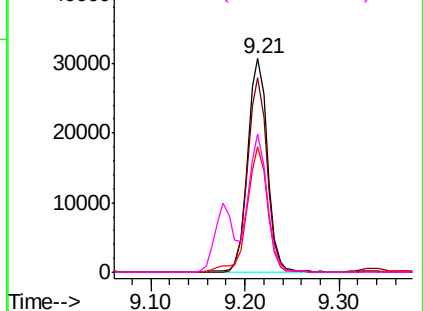
#55
 1,1,2-Trichloroethane
 Concen: 18.529 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion:	97	Resp:	45315
Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.8	107.6
85	58.6	45.9	68.9
99	64.9	49.4	74.0

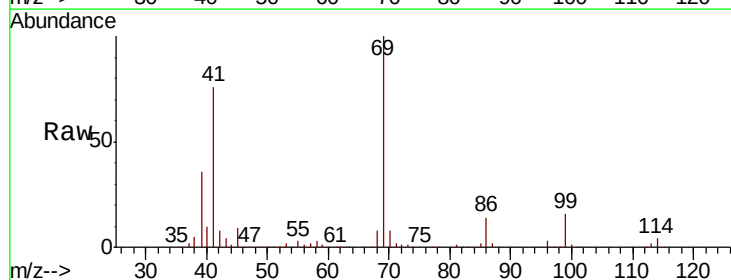


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

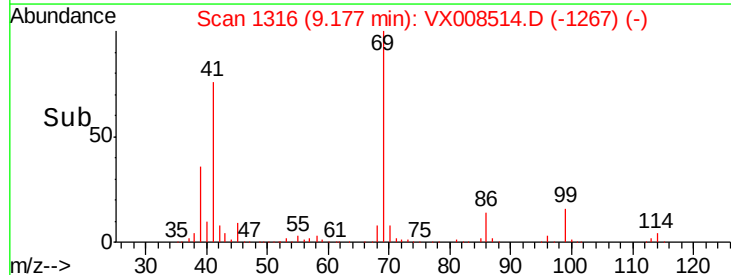
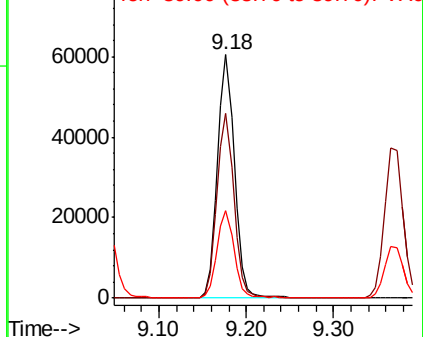


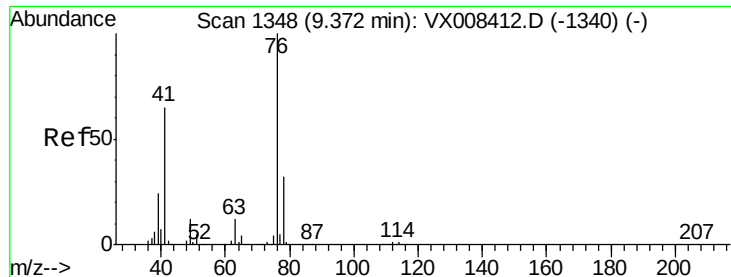
#56
 Ethyl methacrylate
 Concen: 18.532 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion:	69	Resp:	81811
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.5	89.3
39	35.8	29.3	43.9



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

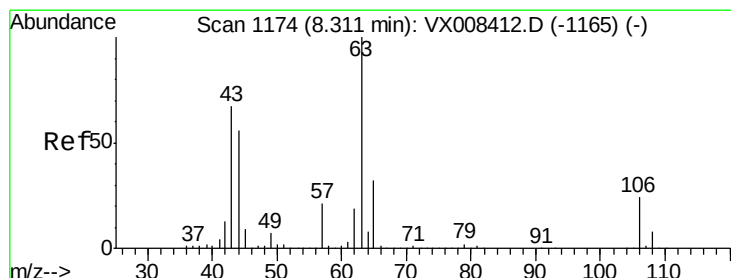
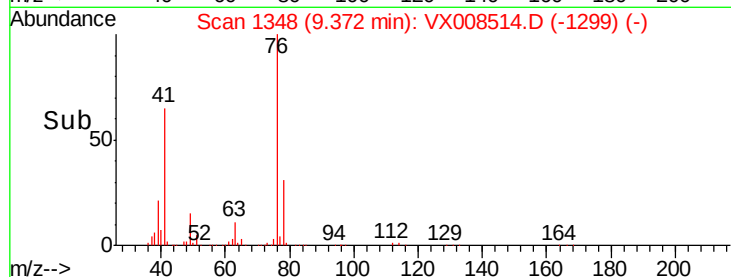
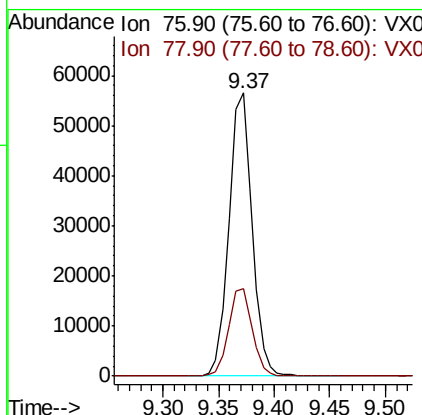
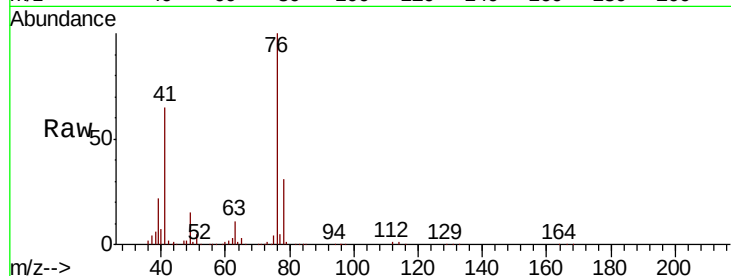




#57
 1,3-Dichloropropane
 Concen: 18.595 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

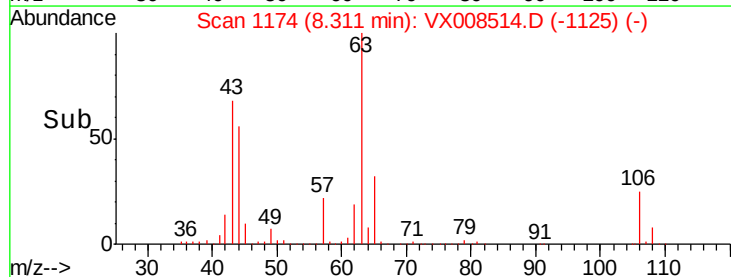
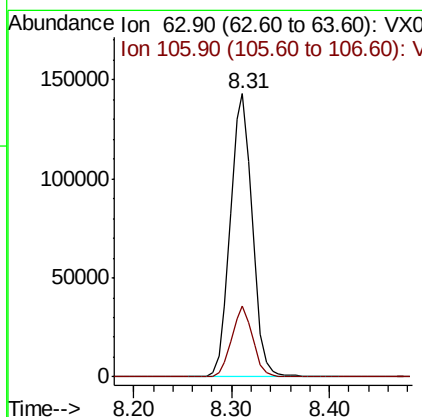
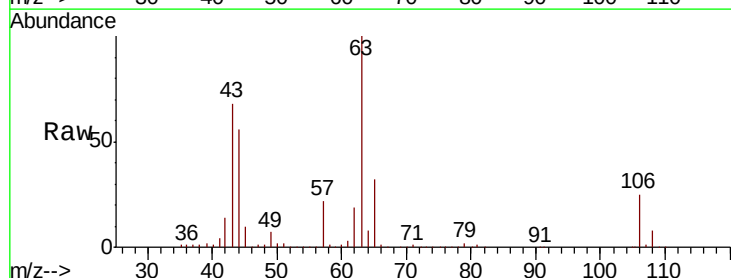
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

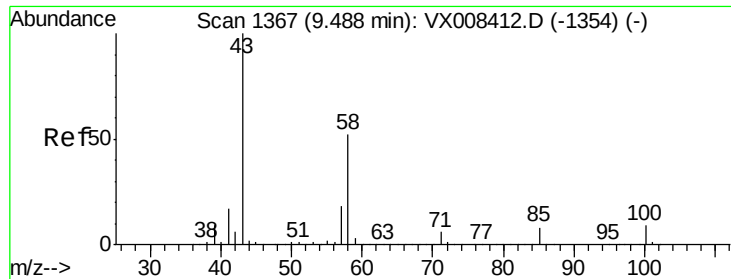
Tot Ion: 76 Resp: 81537
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.945 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 63 Resp: 223509
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6

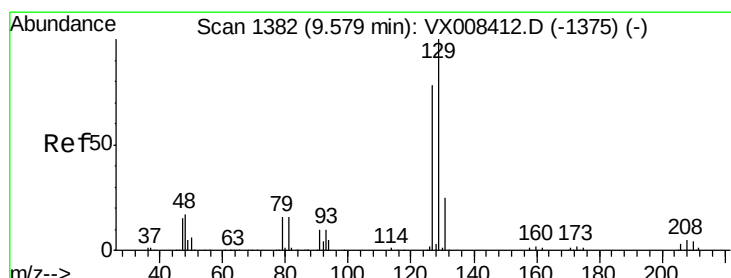
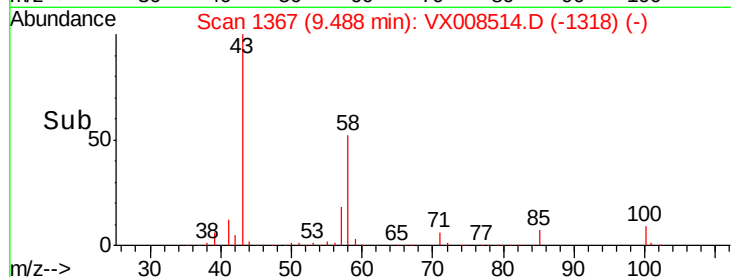
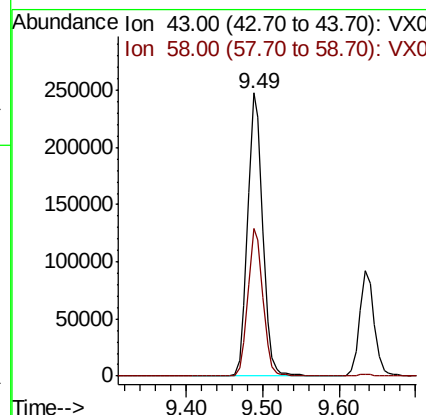
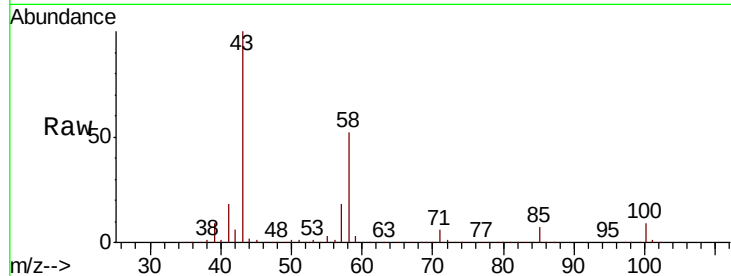




#59
2-Hexanone
Concen: 96.365 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

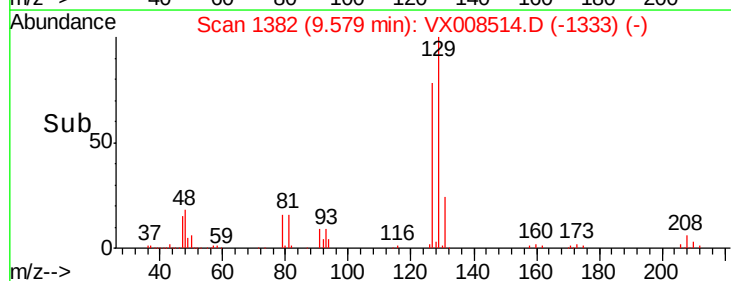
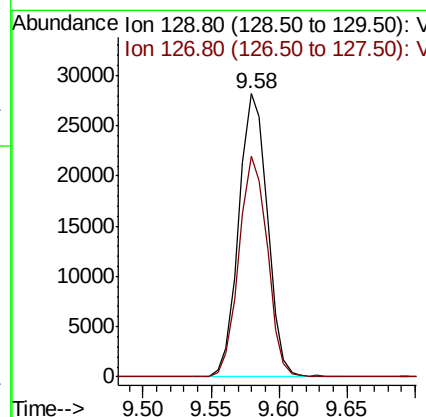
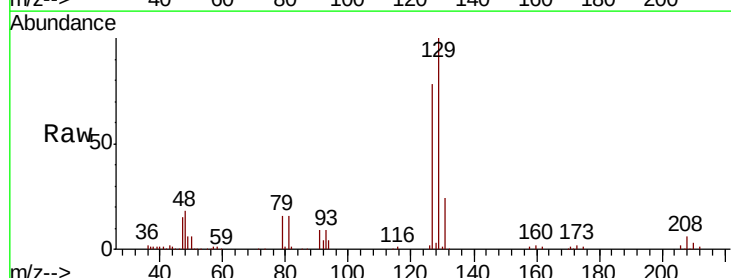
Instrument :
MSVOA_X
ClientSampled :
VX0328WBS01

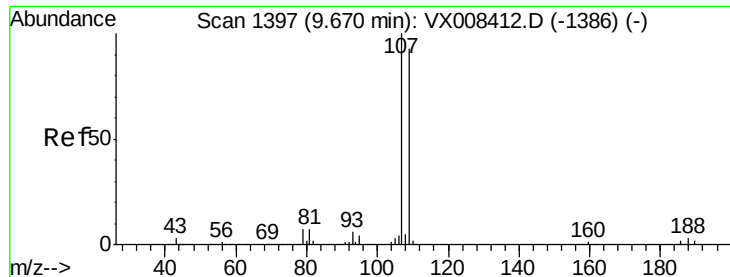
Tot Ion: 43 Resp: 337292
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9



#60
Dibromochloromethane
Concen: 17.799 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 129 Resp: 41399
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 18.310 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

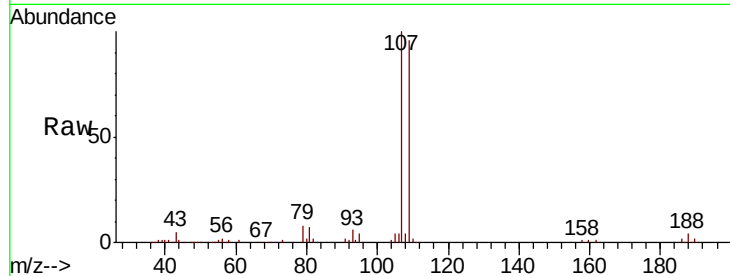
VX0328WBS01

Tot Ion:107 Resp: 45700

Ion Ratio Lower Upper

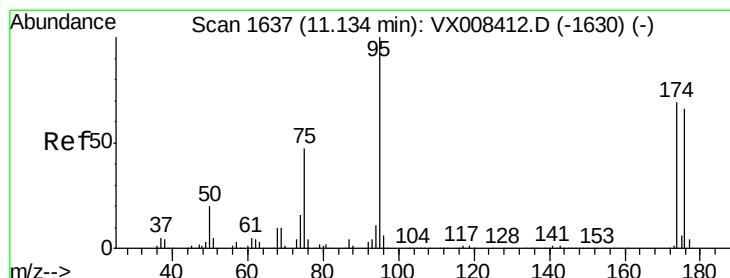
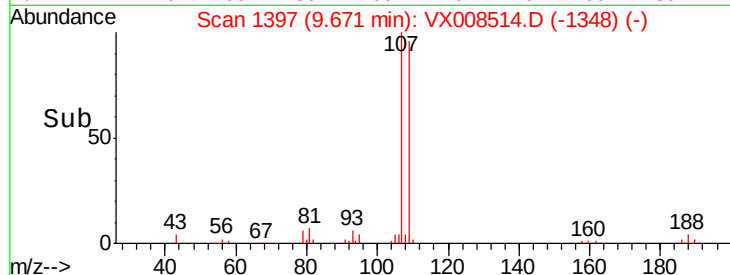
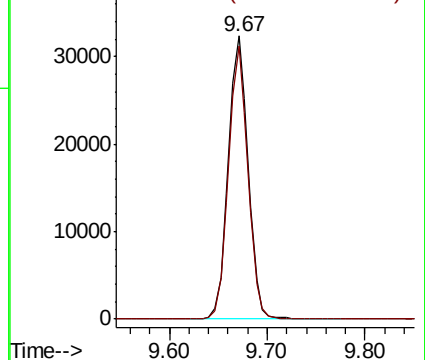
107 100

109 94.5 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

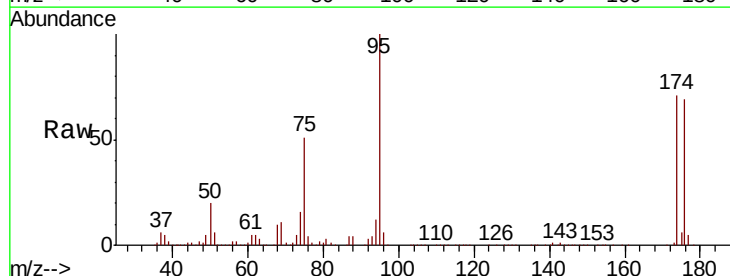
Tgt Ion: 95 Resp: 158243

Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.2

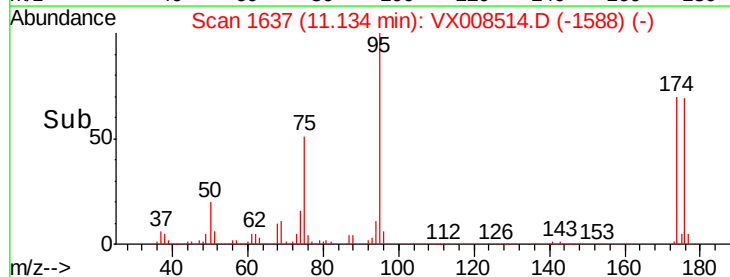
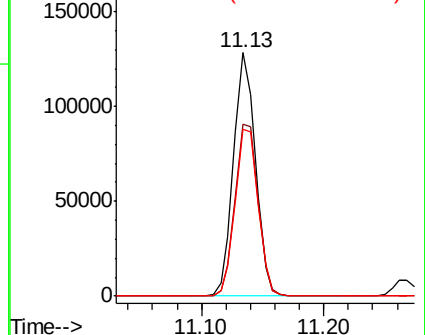
176 72.0 0.0 142.4

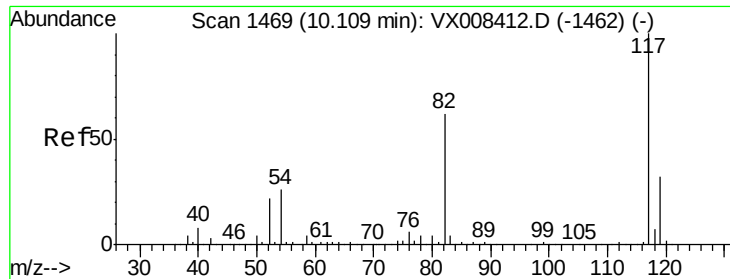


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

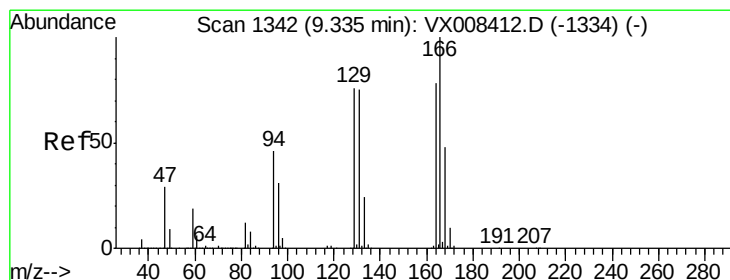
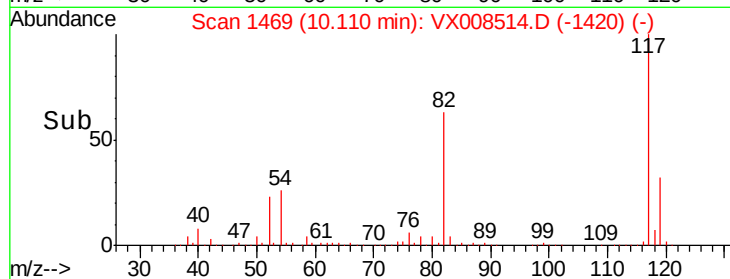
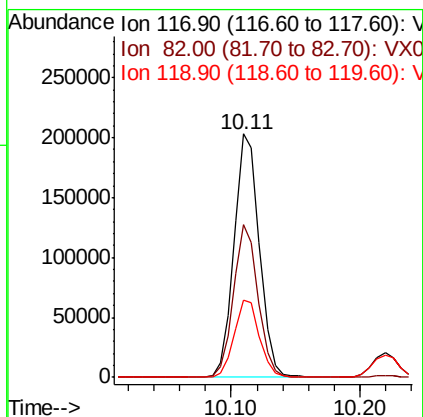
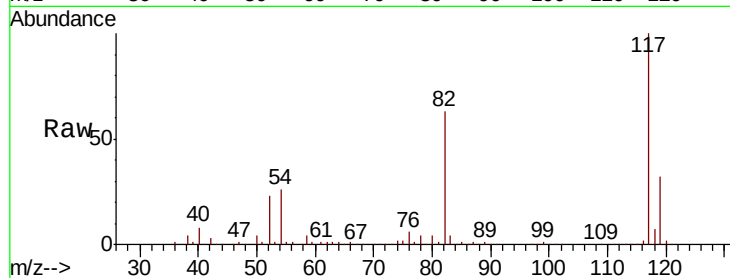




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

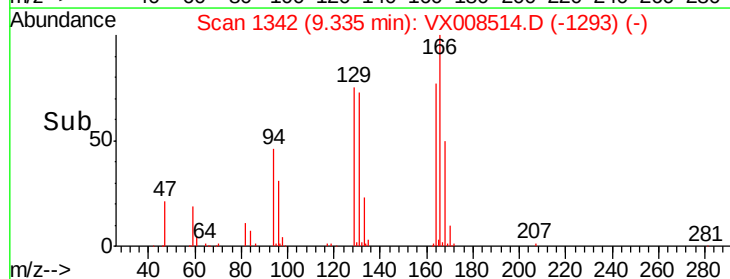
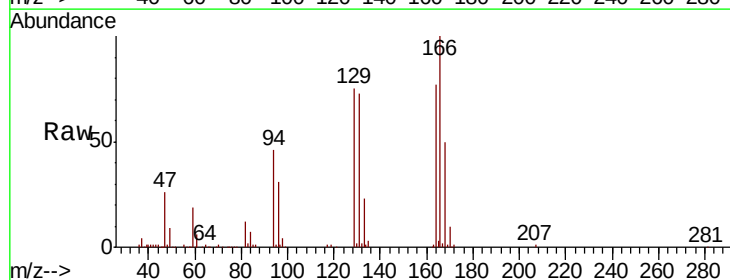
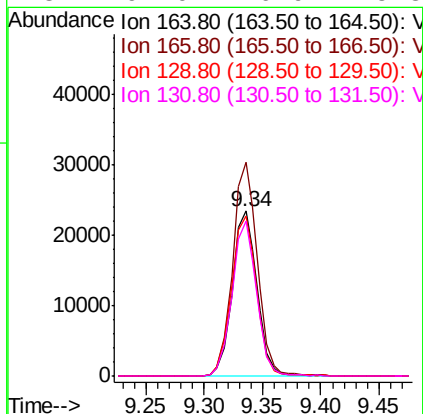
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

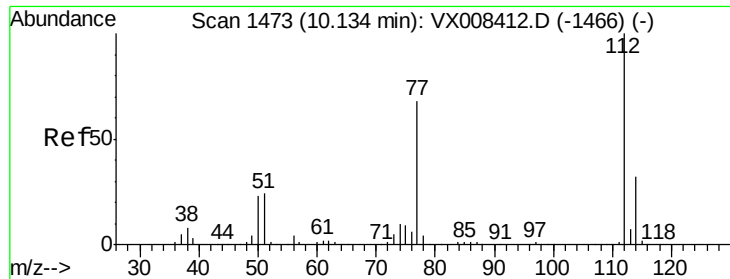
Tot Ion:117 Resp: 278283
Ion Ratio Lower Upper
117 100
82 62.8 49.4 74.2
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 18.259 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion:164 Resp: 34400
Ion Ratio Lower Upper
164 100
166 129.5 102.5 153.7
129 97.1 77.8 116.8
131 94.0 76.9 115.3





#65

Chlorobenzene

Concen: 18.515 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

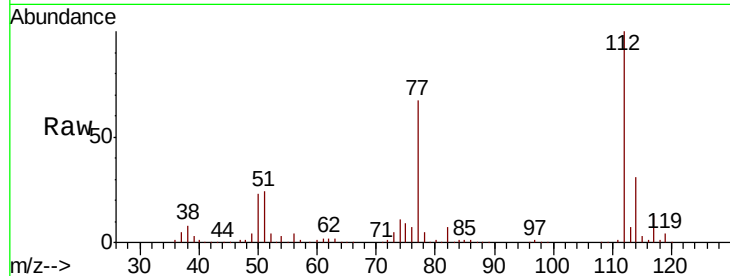
VX0328WBS01

Tot Ion:112 Resp: 112047

Ion Ratio Lower Upper

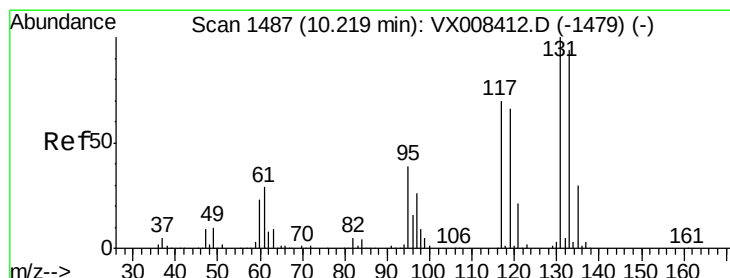
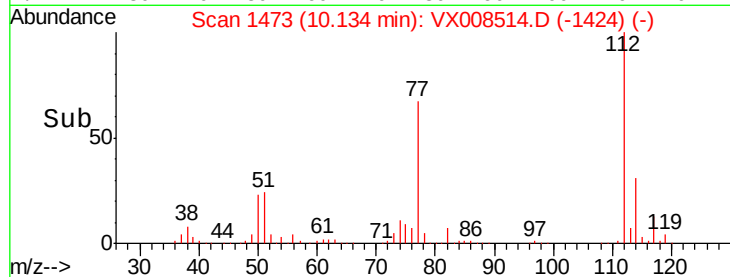
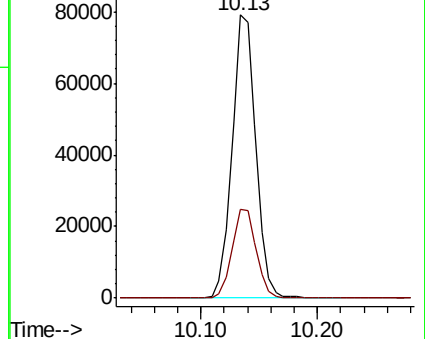
112 100

114 31.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.620 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

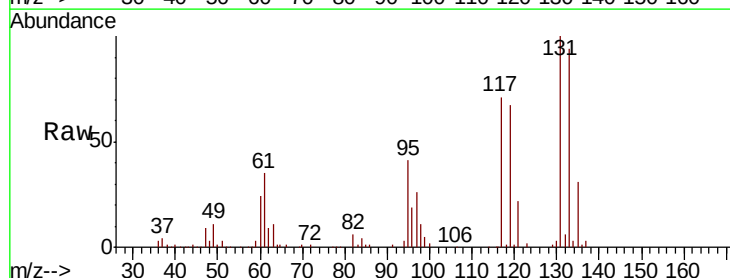
Tgt Ion:131 Resp: 38878

Ion Ratio Lower Upper

131 100

133 94.9 47.3 141.8

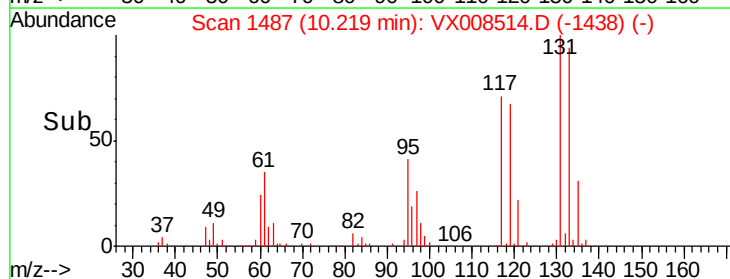
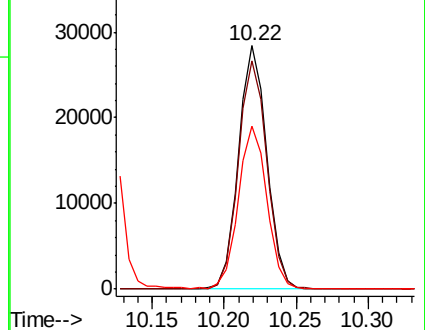
119 67.8 33.6 100.6

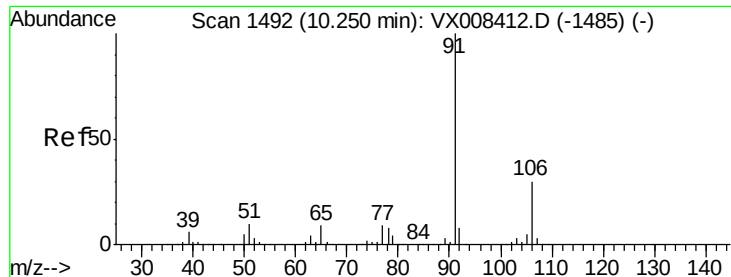


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.625 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

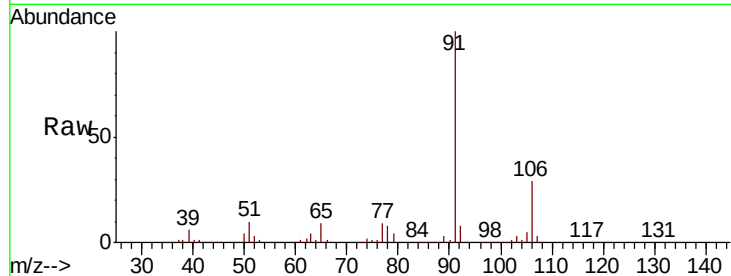
VX0328WBS01

Tot Ion: 91 Resp: 212731

Ion Ratio Lower Upper

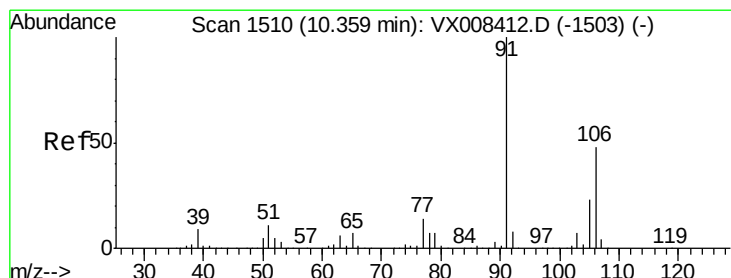
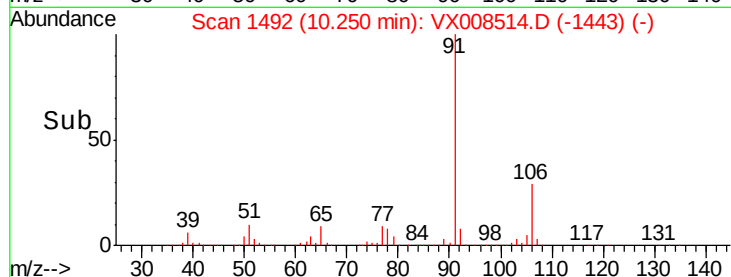
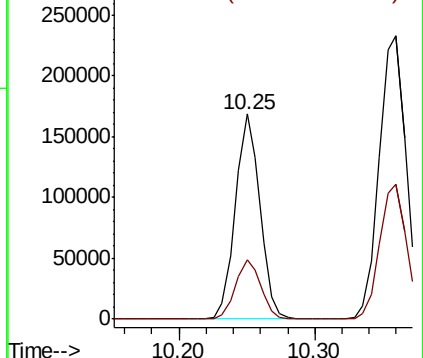
91 100

106 28.8 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.621 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008514.D

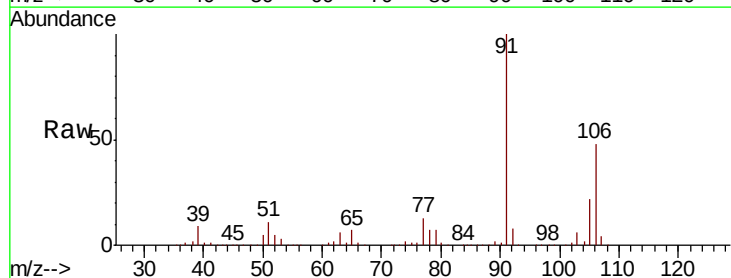
Acq: 28 Mar 2019 13:07

Tgt Ion: 106 Resp: 152164

Ion Ratio Lower Upper

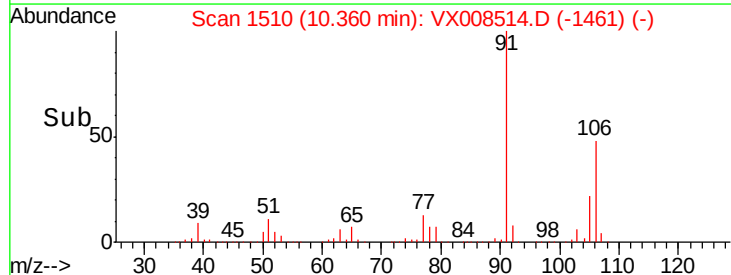
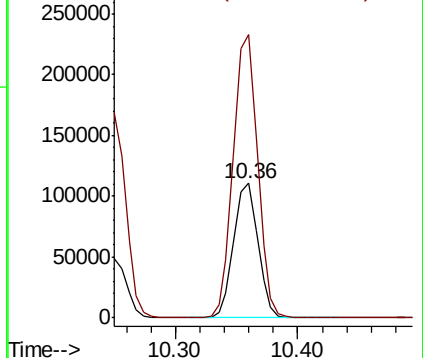
106 100

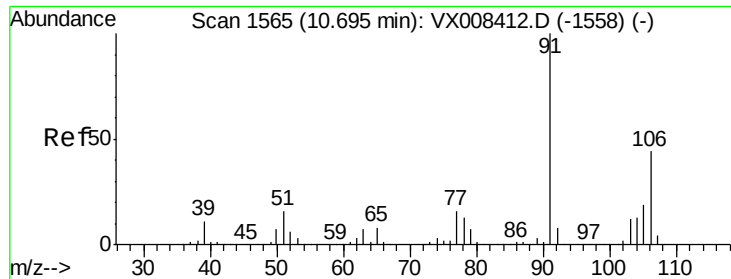
91 211.2 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

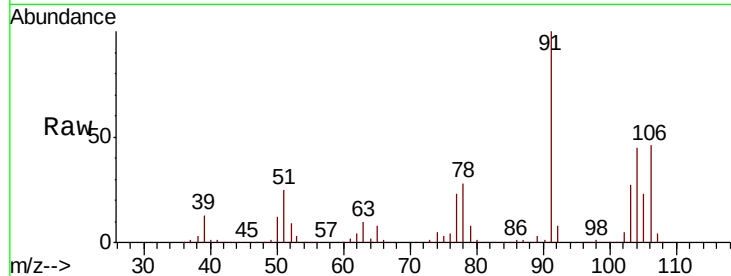




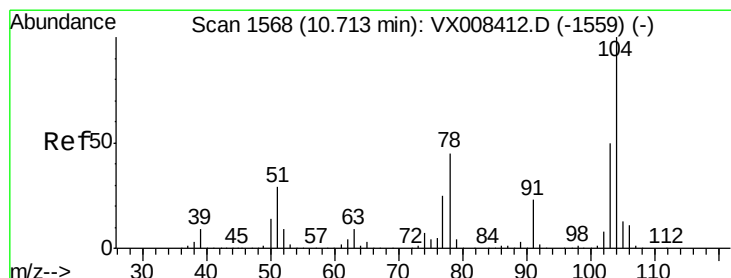
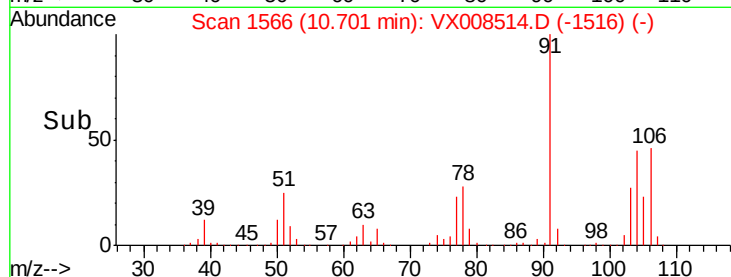
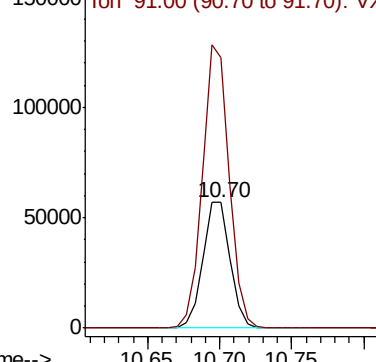
#69
o-Xylene
Concen: 18.748 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampled :
VX0328WBS01

Tot Ion:106 Resp: 75596
Ion Ratio Lower Upper
106 100
91 220.8 111.4 334.2

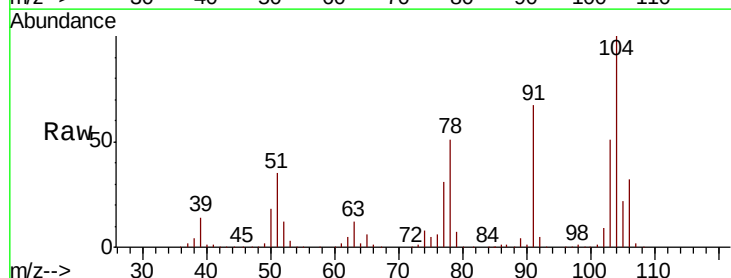


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

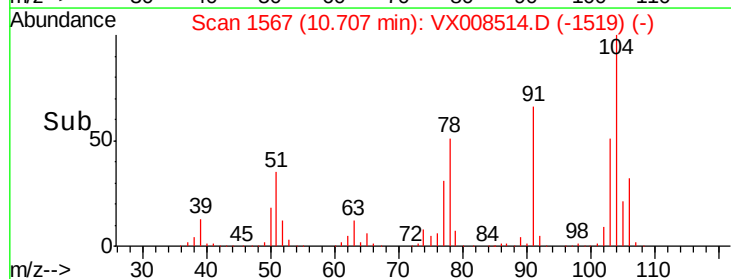
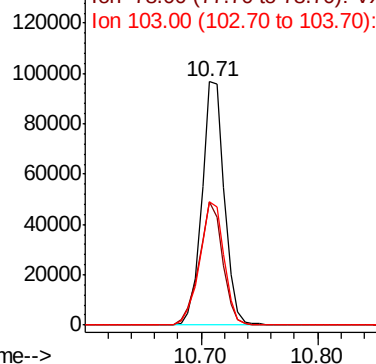


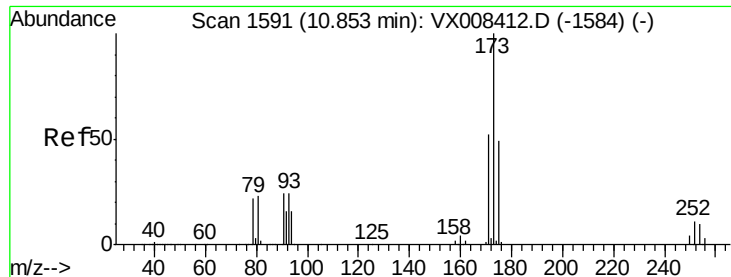
#70
Styrene
Concen: 18.686 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion:104 Resp: 130147
Ion Ratio Lower Upper
104 100
78 52.9 42.5 63.7
103 55.0 44.2 66.4



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: 17.494 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

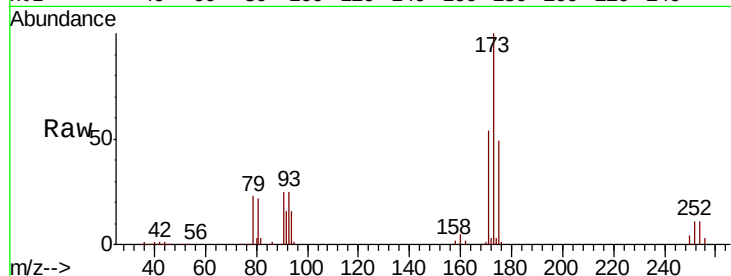
Tot Ion:173 Resp: 28846

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

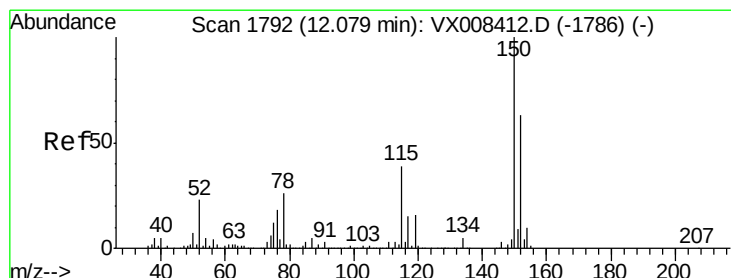
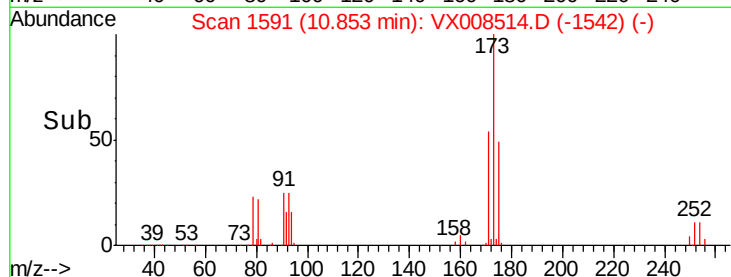
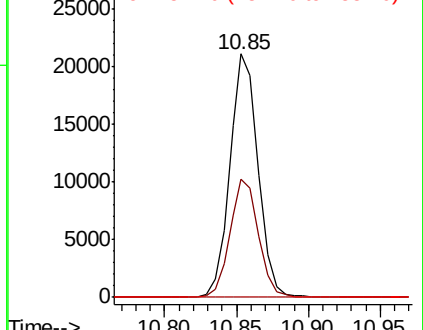
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

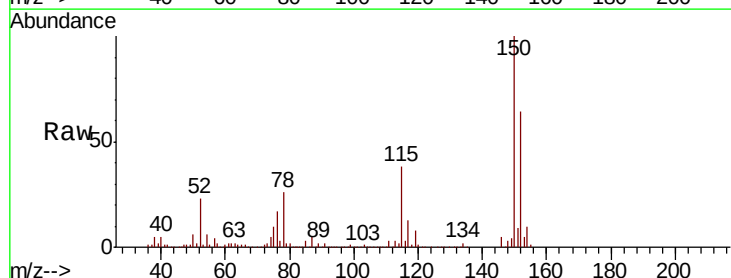
Tgt Ion:152 Resp: 128672

Ion Ratio Lower Upper

152 100

115 70.8 43.5 130.5

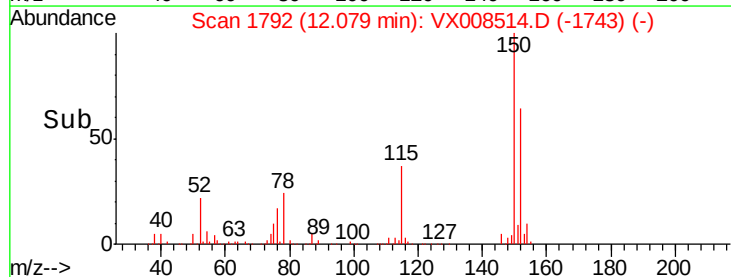
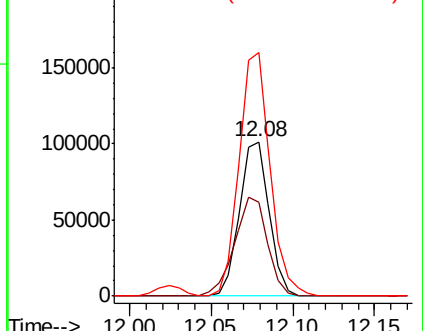
150 164.6 0.0 348.8

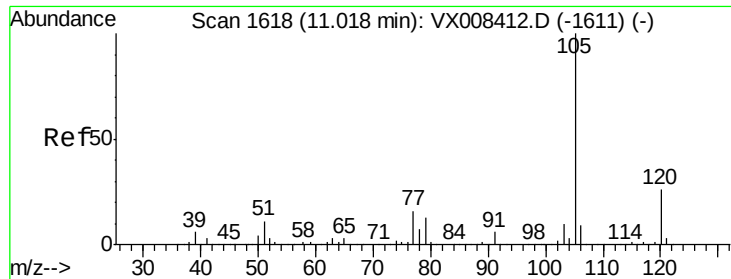


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.182 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

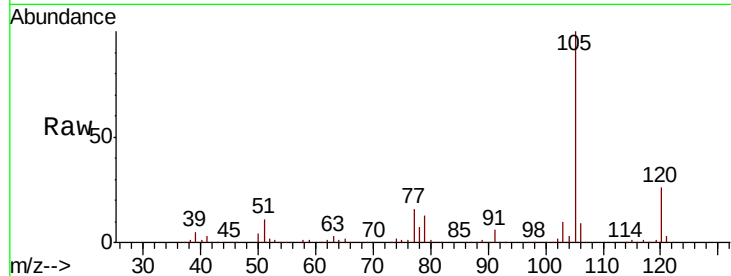
VX0328WBS01

Tot Ion:105 Resp: 200796

Ion Ratio Lower Upper

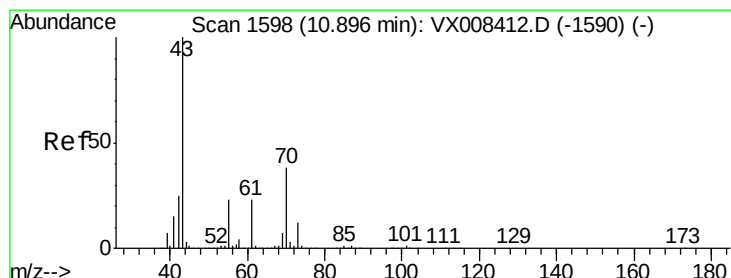
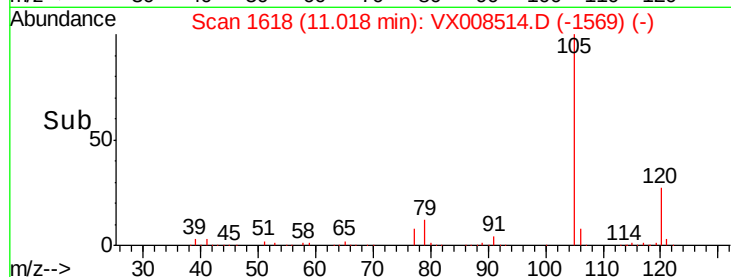
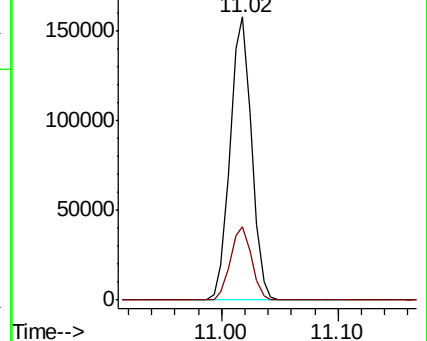
105 100

120 25.7 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: 19.441 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion: 43 Resp: 117794

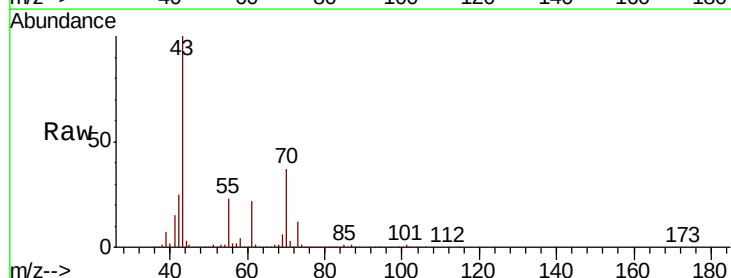
Ion Ratio Lower Upper

43 100

70 37.3 30.5 45.7

55 23.5 18.2 27.2

61 22.9 18.4 27.6

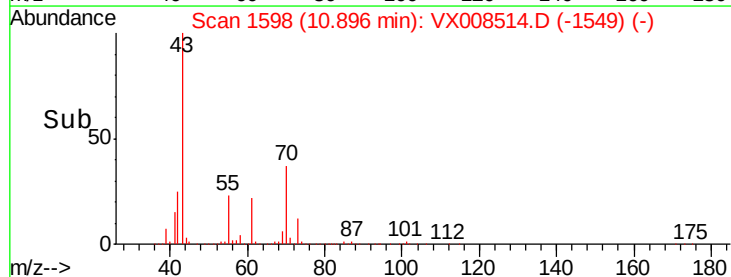
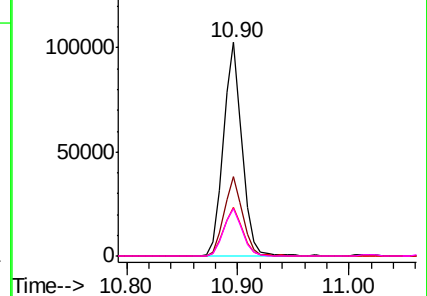


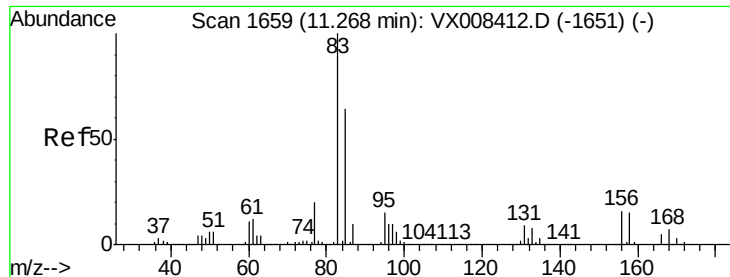
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.706 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

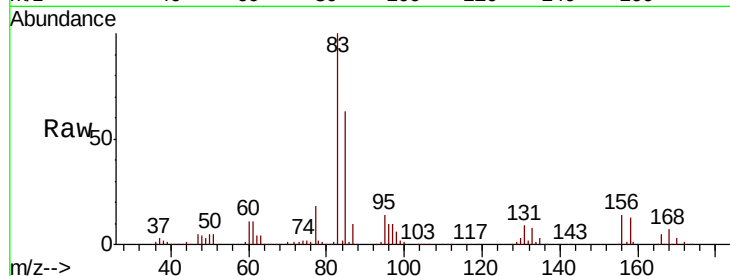
Tot Ion: 83 Resp: 75977

Ion Ratio Lower Upper

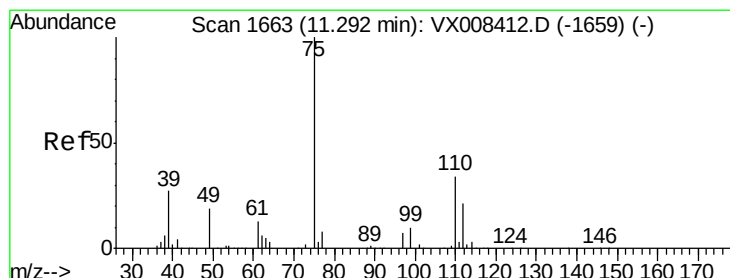
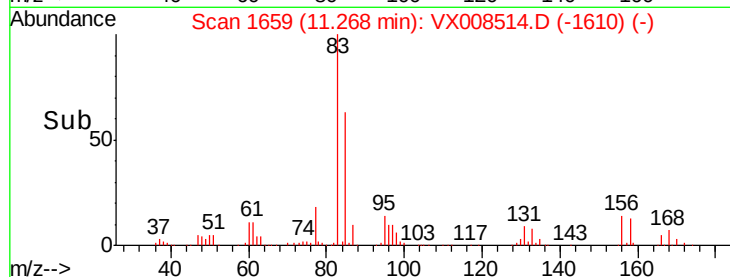
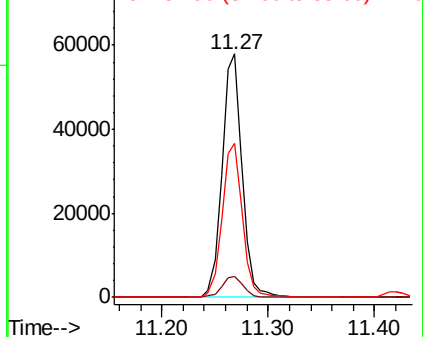
83 100

131 9.1 4.5 13.4

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: 21.865 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008514.D

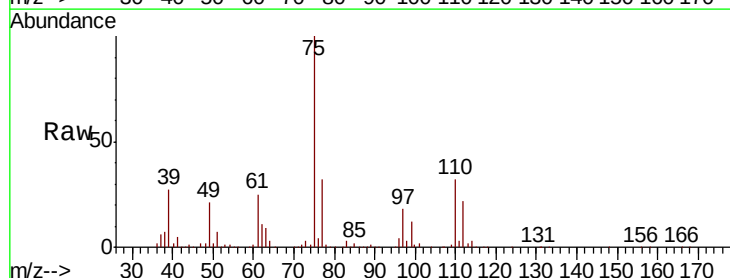
Acq: 28 Mar 2019 13:07

Tgt Ion: 75 Resp: 83642

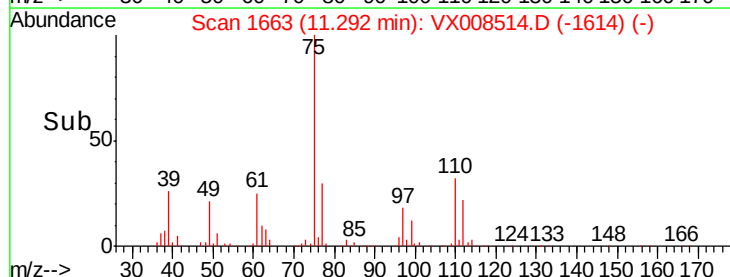
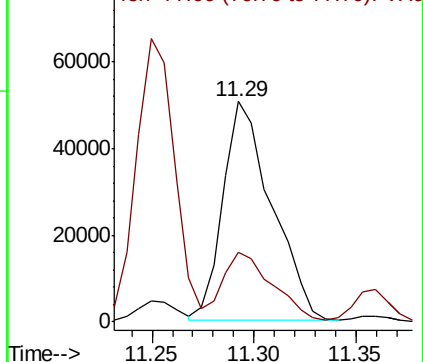
Ion Ratio Lower Upper

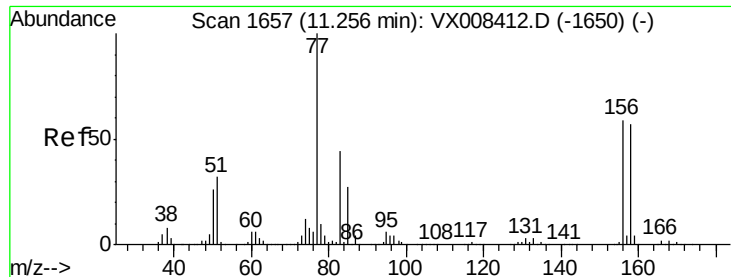
75 100

77 32.5 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.618 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

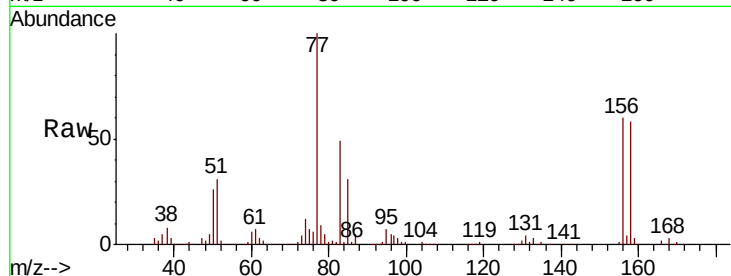
Tot Ion:156 Resp: 47302

Ion Ratio Lower Upper

156 100

77 181.0 91.1 273.3

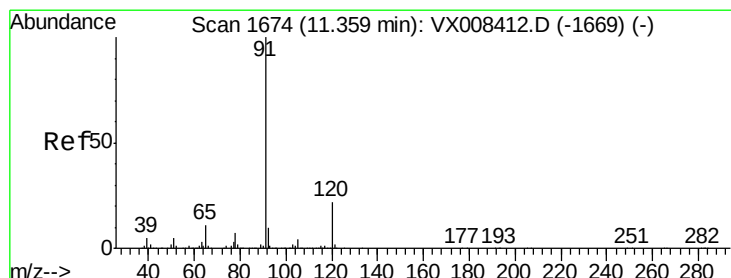
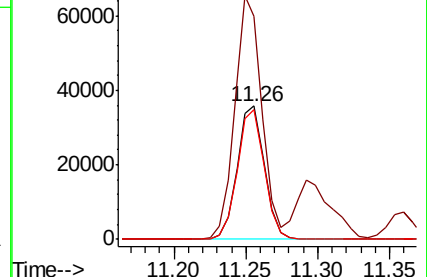
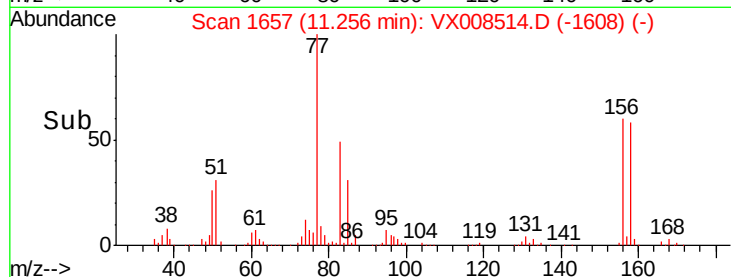
158 96.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.905 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008514.D

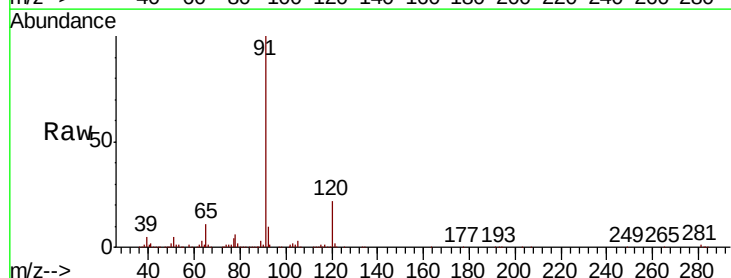
Acq: 28 Mar 2019 13:07

Tgt Ion: 91 Resp: 231831

Ion Ratio Lower Upper

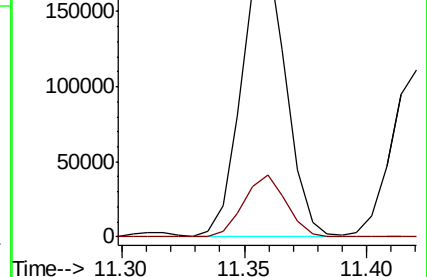
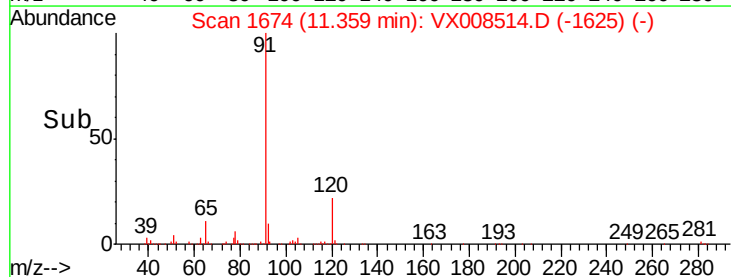
91 100

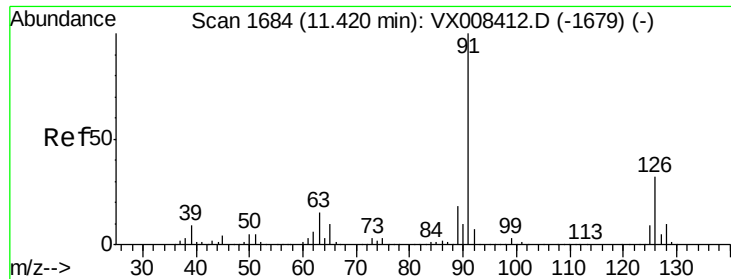
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

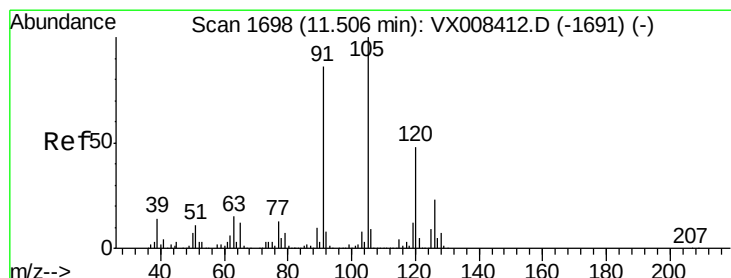
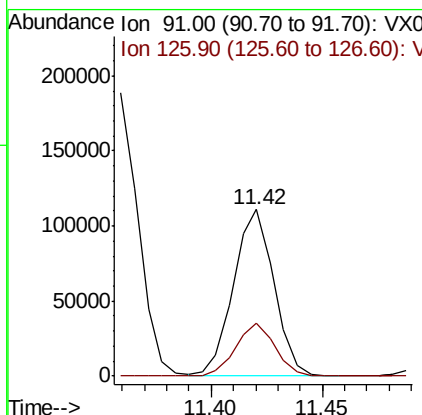
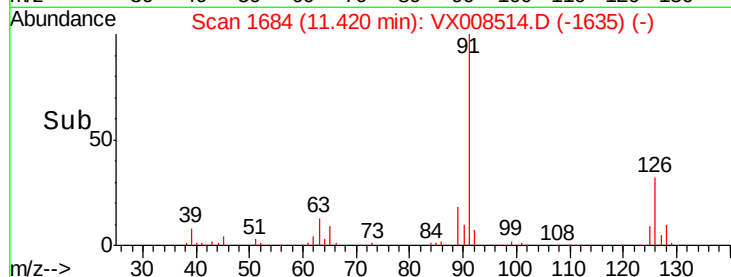
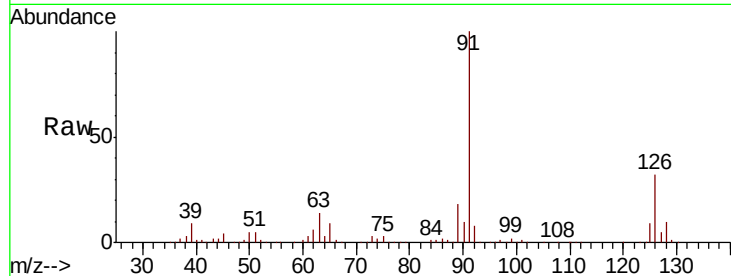




#79
 2-Chlorotoluene
 Concen: 18.702 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

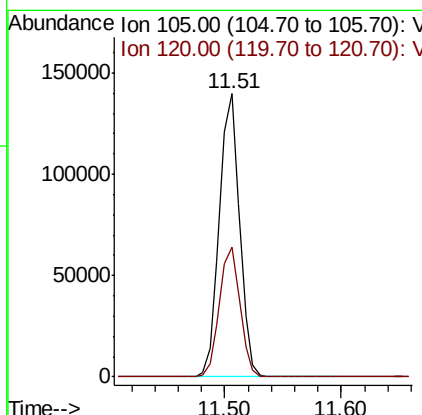
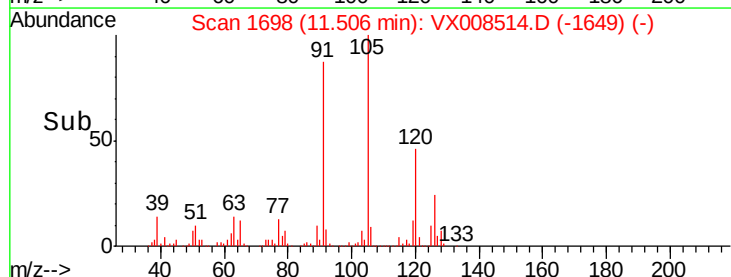
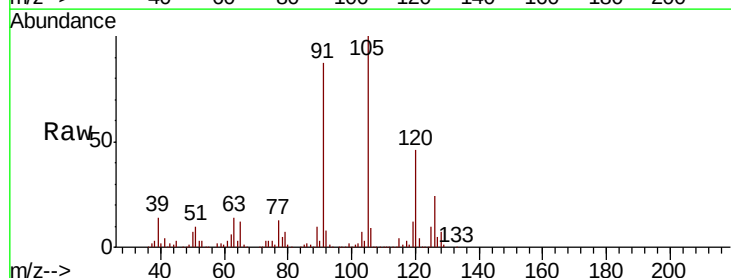
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

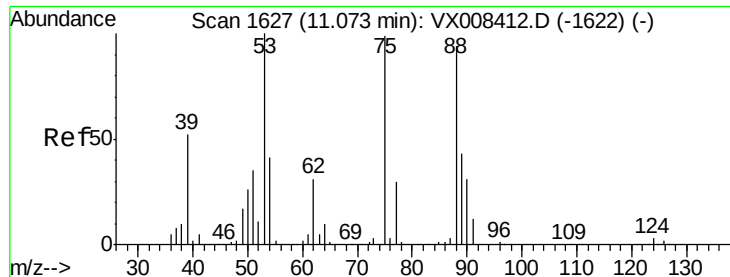
Tot Ion: 91 Resp: 139491
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 18.945 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 105 Resp: 167659
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.564 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

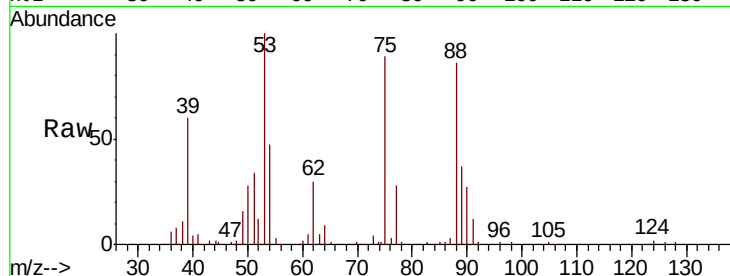
Tot Ion: 75 Resp: 20978

Ion Ratio Lower Upper

75 100

53 115.4 82.1 123.1

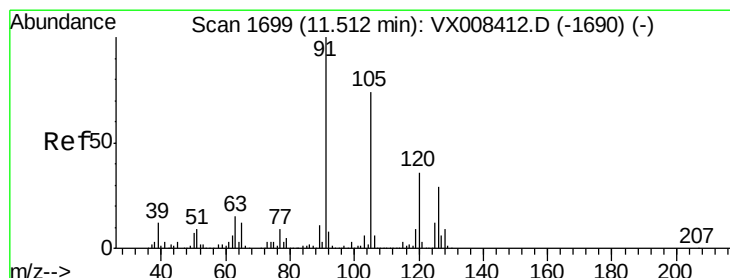
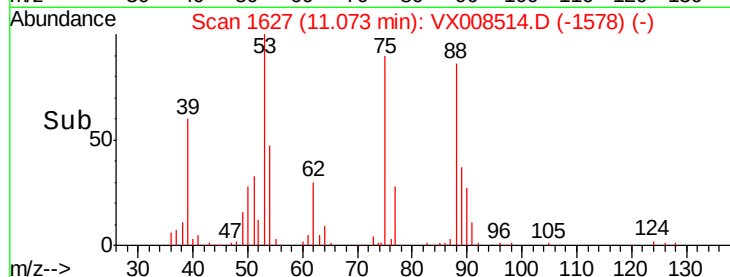
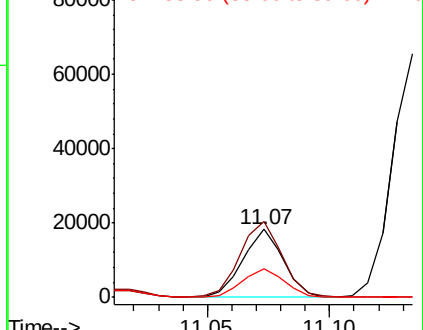
89 44.3 34.6 52.0



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: 18.359 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008514.D

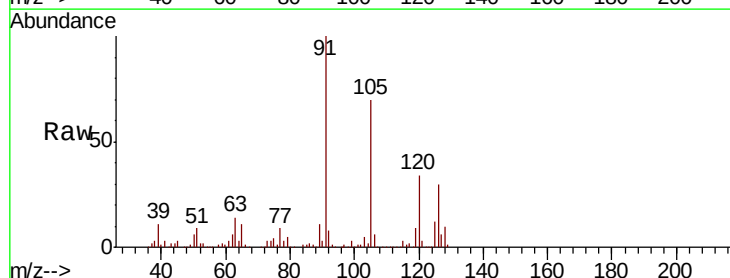
Acq: 28 Mar 2019 13:07

Tgt Ion: 91 Resp: 157951

Ion Ratio Lower Upper

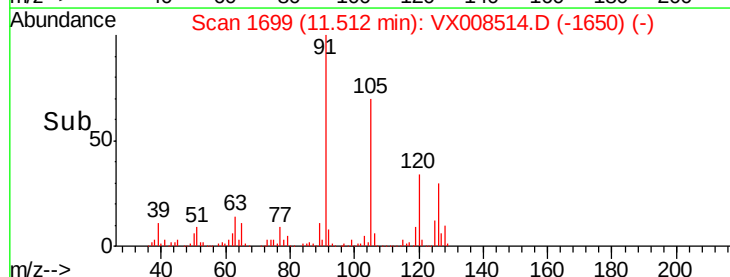
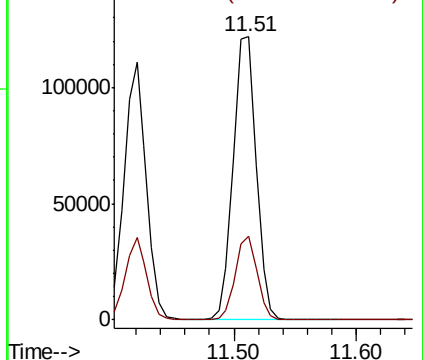
91 100

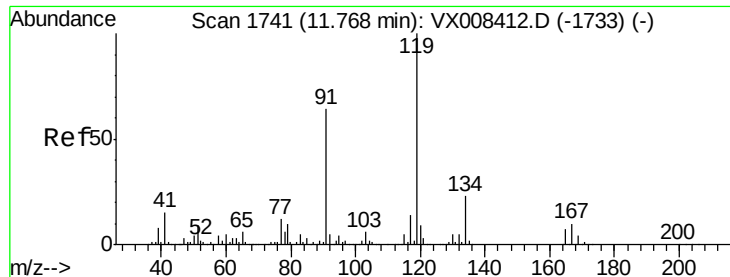
126 28.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

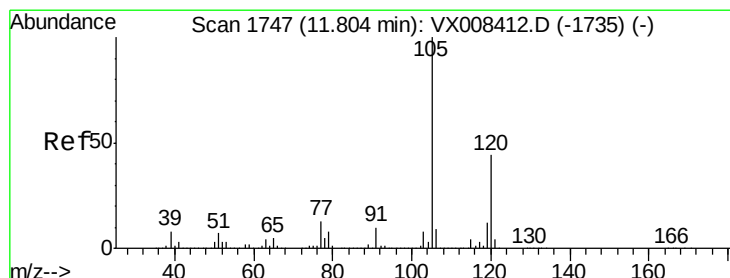
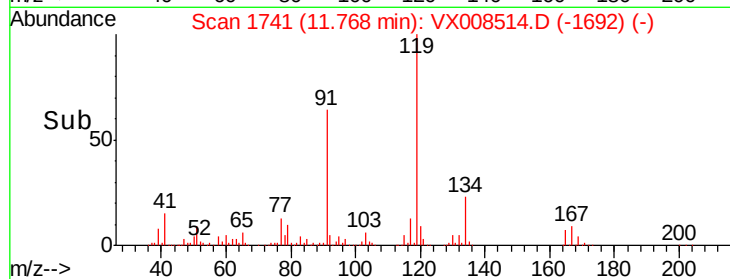
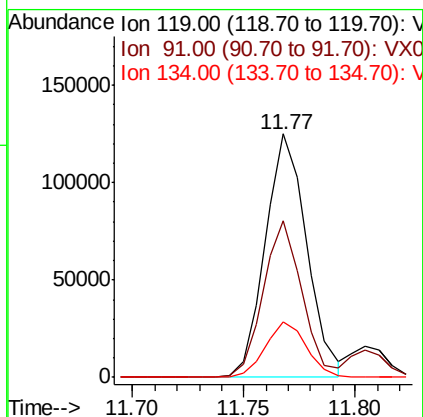
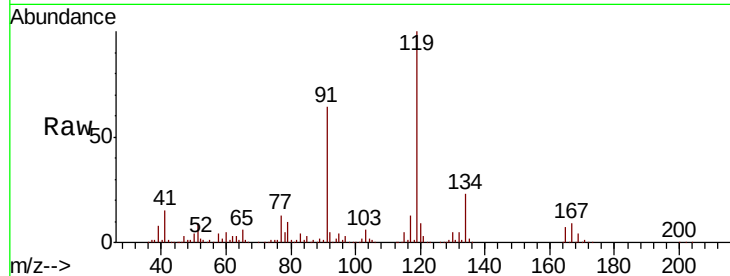




#83
 tert-Butylbenzene
 Concen: 18.927 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

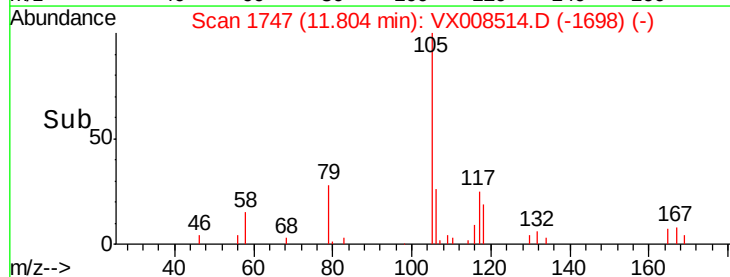
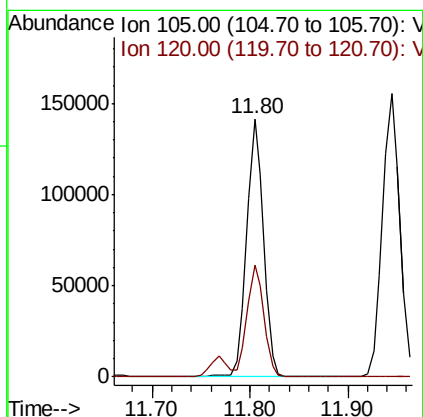
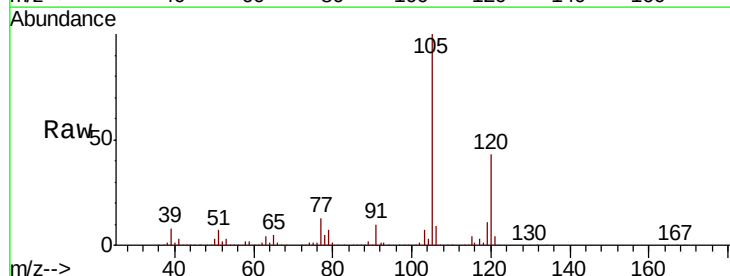
Instrument :
 MSVOA_X
 ClientSampled :
 VX0328WBS01

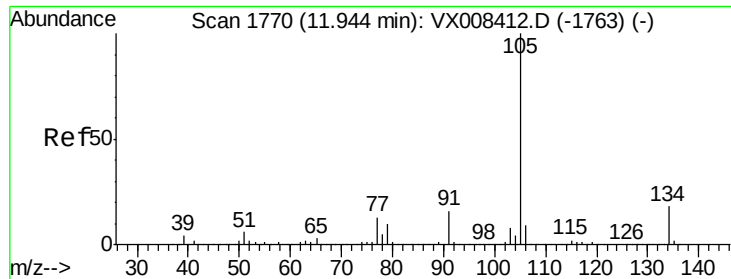
Tot Ion:119 Resp: 161611
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.1 90.3
 134 22.5 10.9 32.9



#84
 1,2,4-Trimethylbenzene
 Concen: 18.916 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion:105 Resp: 169320
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.6 65.0





#85

sec-Butylbenzene

Concen: 18.850 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

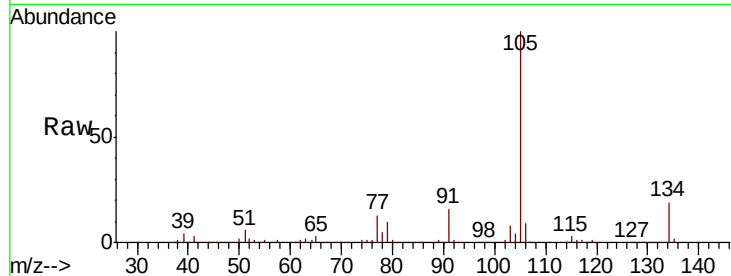
VX0328WBS01

Tot Ion:105 Resp: 191672

Ion Ratio Lower Upper

105 100

134 18.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

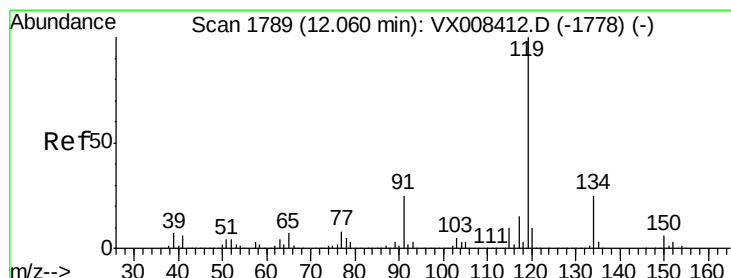
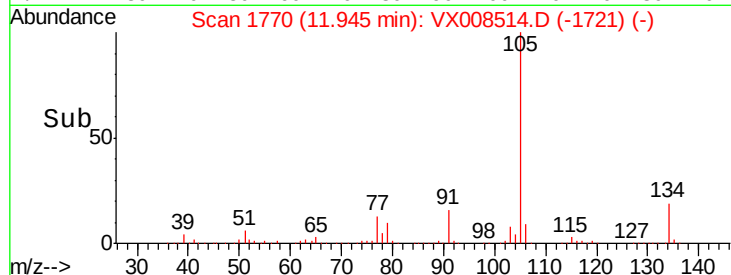
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 18.921 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

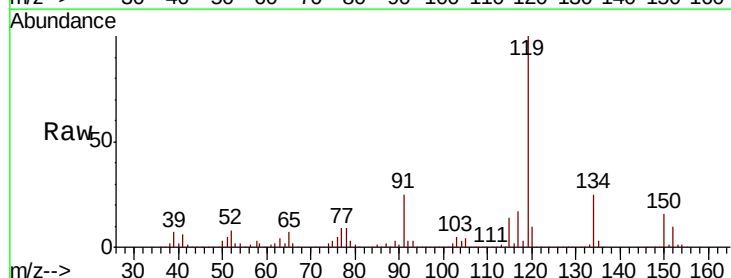
Tgt Ion:119 Resp: 169763

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.7 12.4 37.0



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

200000

150000

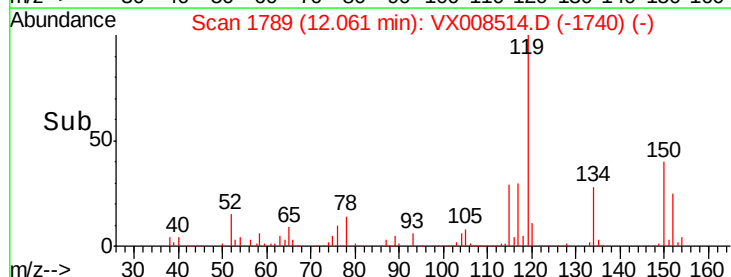
100000

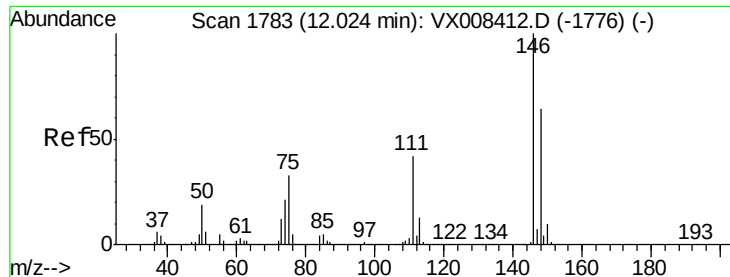
50000

0

Time-->

12.00 12.10

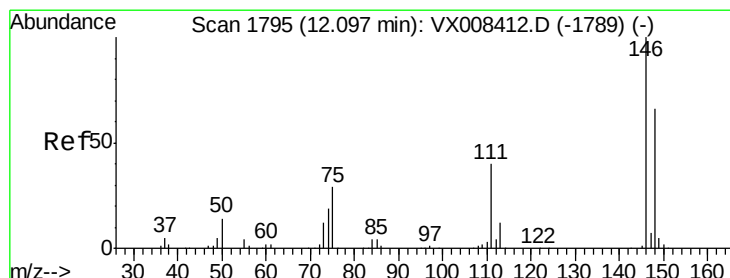
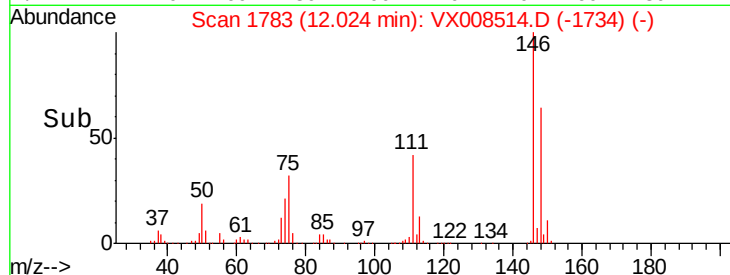
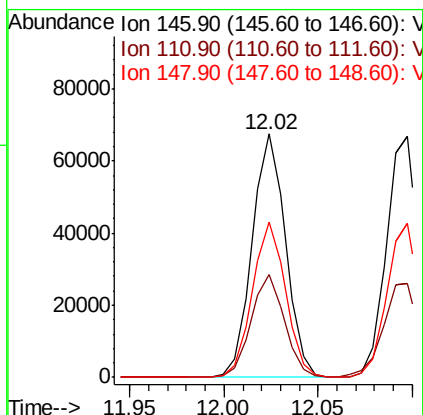
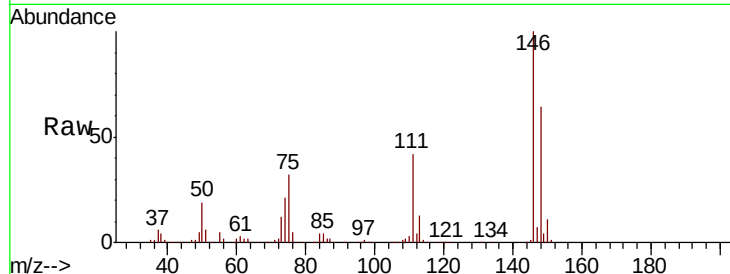




#87
 1,3-Dichlorobenzene
 Concen: 18.266 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

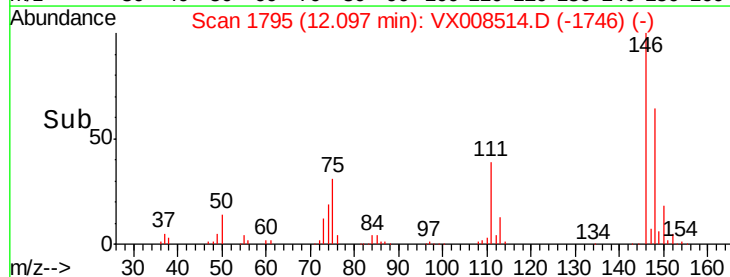
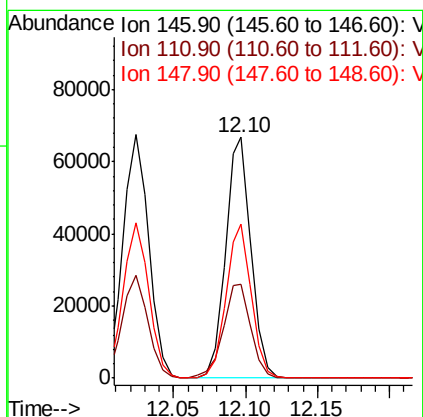
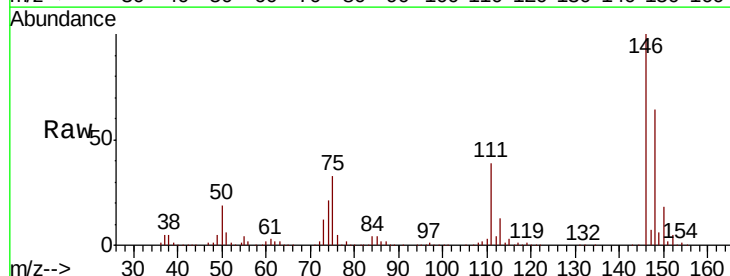
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

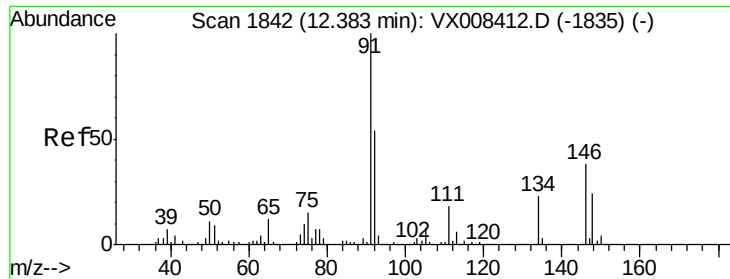
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	63.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.054 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	63.7	32.1	96.5

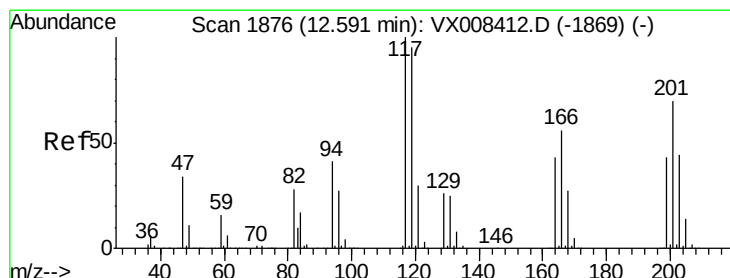
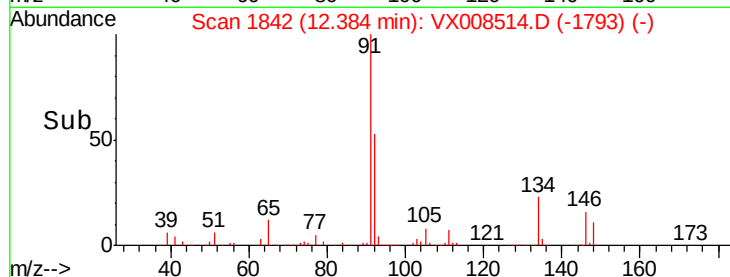
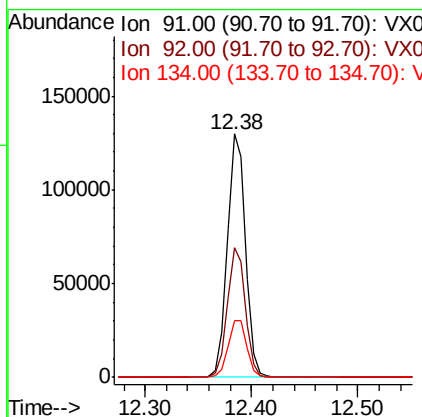
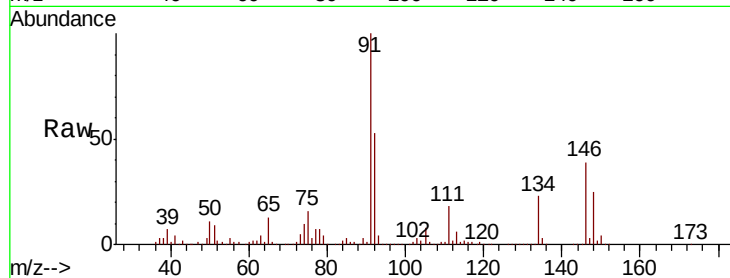




#89
n-Butylbenzene
Concen: 18.216 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

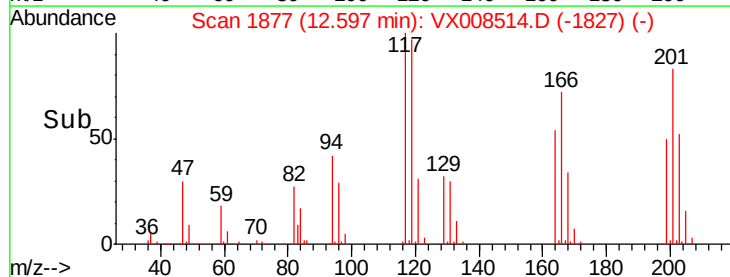
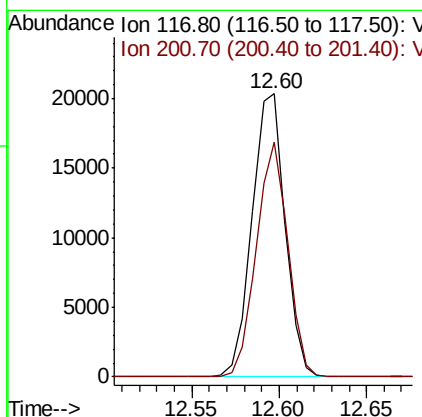
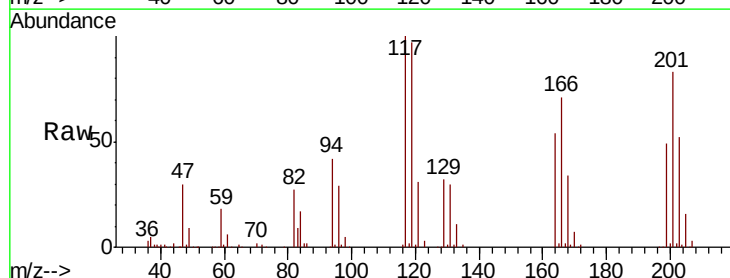
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

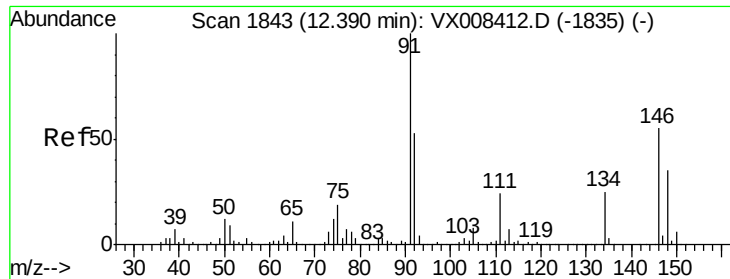
Tot Ion: 91 Resp: 154823
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.5
134 24.0 11.8 35.4



#90
Hexachloroethane
Concen: 17.879 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 117 Resp: 26725
Ion Ratio Lower Upper
117 100
201 78.7 39.4 118.1

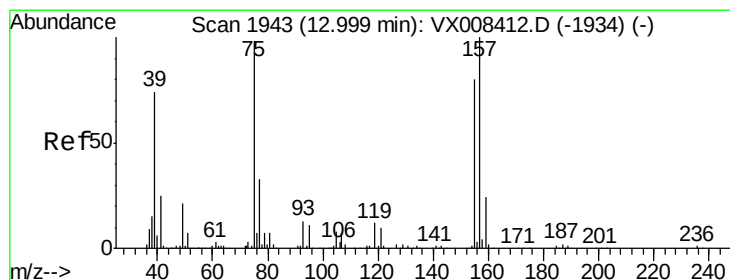
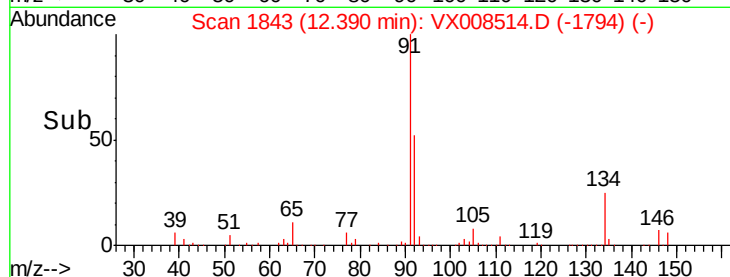
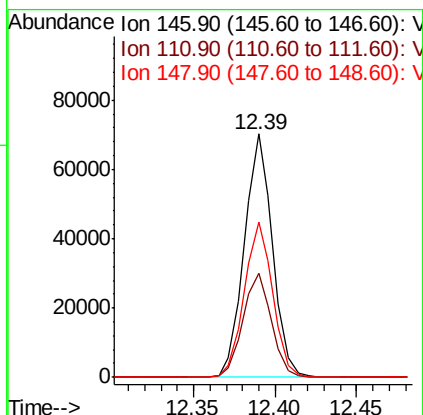
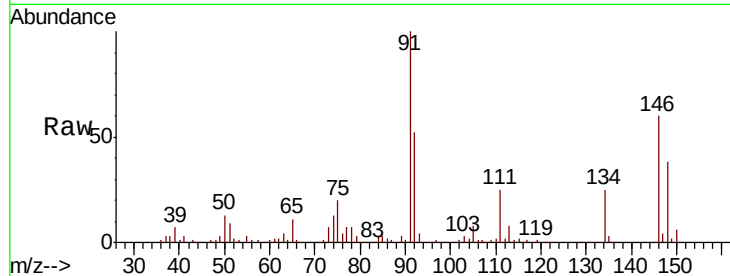




#91
 1,2-Dichlorobenzene
 Concen: 18.596 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

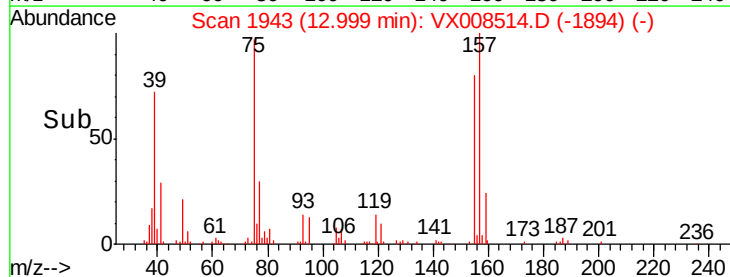
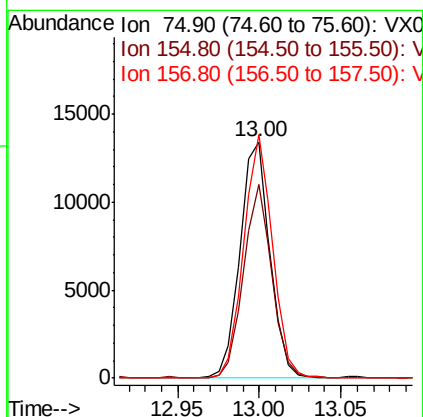
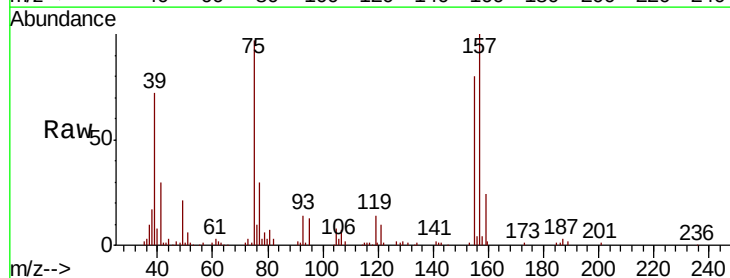
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

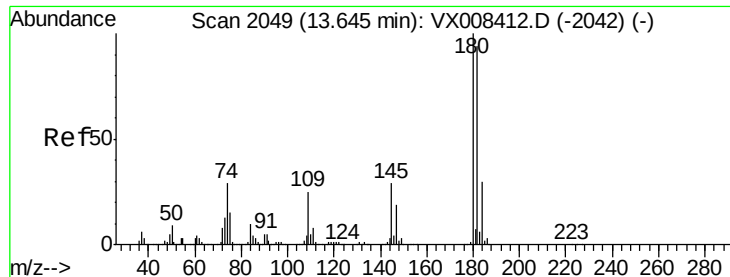
Tot Ion:146 Resp: 84534
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.6
 148 64.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.391 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 75 Resp: 17173
 Ion Ratio Lower Upper
 75 100
 155 77.6 39.5 118.5
 157 99.1 49.9 149.7

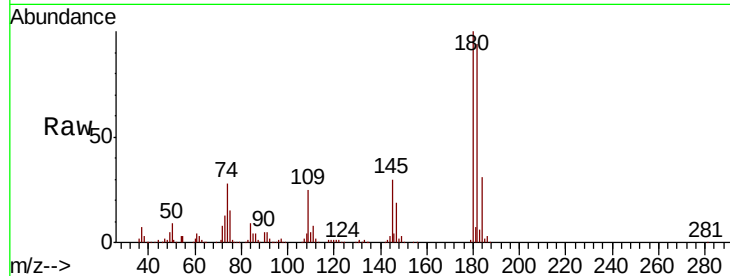




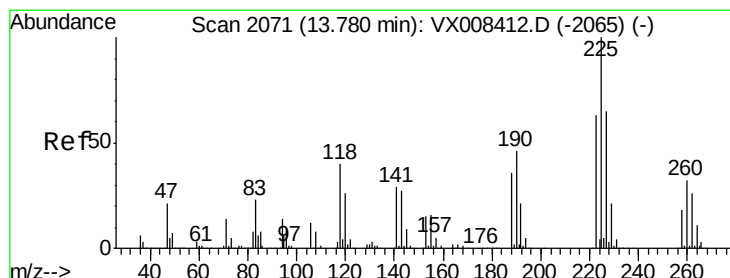
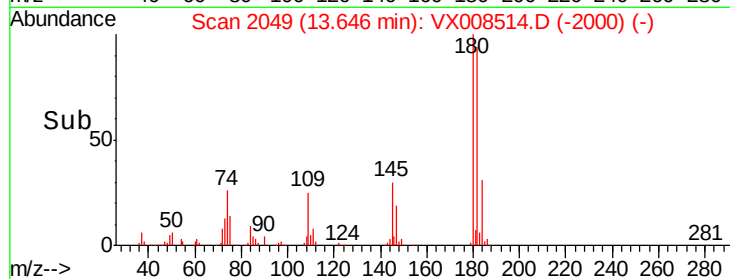
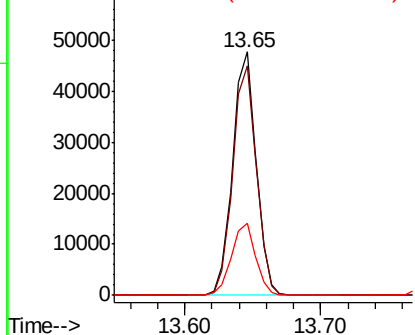
#93
 1,2,4-Trichlorobenzene
 Concen: 18.772 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion:180 Resp: 57452
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 142.0
 145 30.5 15.3 45.8

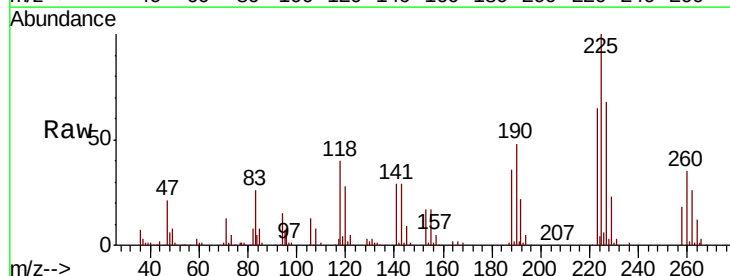


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

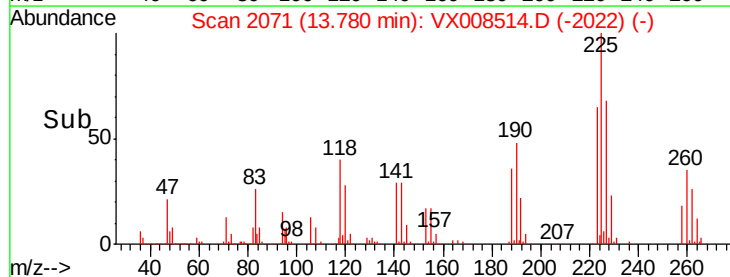
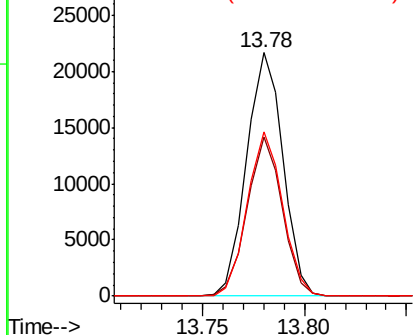


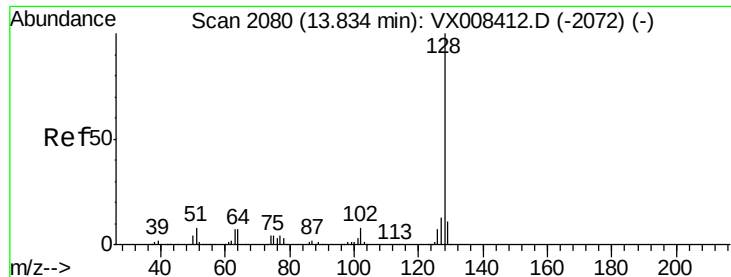
#94
 Hexachlorobutadiene
 Concen: 18.504 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion:225 Resp: 26891
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.0
 227 65.6 31.9 95.9



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

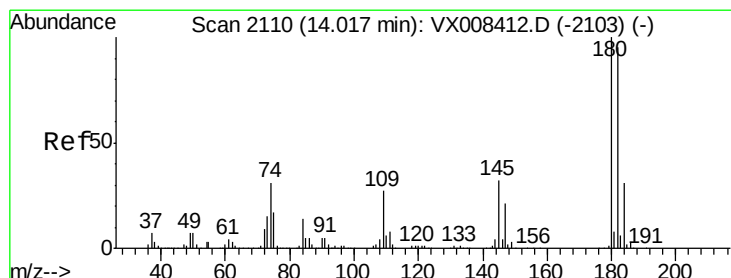
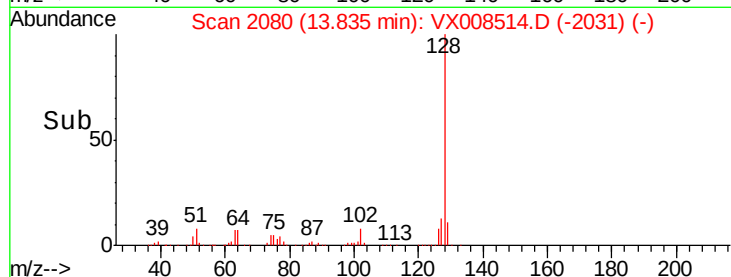
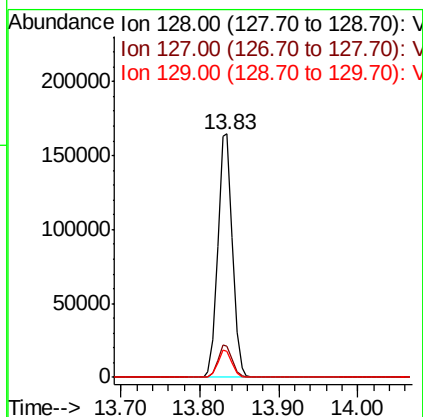
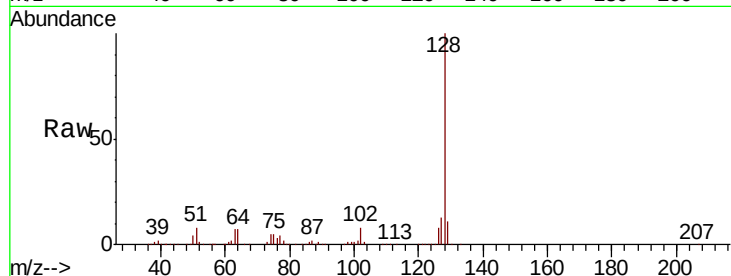




#95
Naphthalene
Concen: 20.280 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion:128 Resp: 212794
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.555 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion:180 Resp: 60137
Ion Ratio Lower Upper
180 100
182 94.4 47.3 142.0
145 32.4 16.2 48.5

