

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
 Data File : VX008950.D
 Acq On : 15 Apr 2019 09:59
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 16 01:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	268092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	425767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	5137	1.34	ug/l	0.00
Spiked Amount			Recovery	=	2.68%	
35) Dibromofluoromethane	5.50	113	3709	1.37	ug/l	0.00
Spiked Amount			Recovery	=	2.74%	
50) Toluene-d8	8.71	98	12768	1.19	ug/l	0.00
Spiked Amount			Recovery	=	2.38%	
62) 4-Bromofluorobenzene	11.13	95	4668	1.22	ug/l	0.00
Spiked Amount			Recovery	=	2.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3212	1.037	ug/l	87
3) Chloromethane	1.32	50	4980	1.183	ug/l #	86
4) Vinyl Chloride	1.41	62	4616	1.130	ug/l	94
5) Bromomethane	1.64	94	2695	1.195	ug/l	100
6) Chloroethane	1.73	64	3251	1.197	ug/l	99
7) Trichlorofluoromethane	1.93	101	5489	1.210	ug/l	99
8) Diethyl Ether	2.18	74	2653	1.242	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3674	1.264	ug/l	98
10) Methyl Iodide	2.51	142	2386	0.966	ug/l	91
11) Tert butyl alcohol	3.04	59	5545	6.211	ug/l #	87
12) 1,1-Dichloroethene	2.38	96	3769	1.239	ug/l #	76
13) Acrolein	2.29	56	4566	8.925	ug/l	95
14) Allyl chloride	2.73	41	7858	1.132	ug/l #	86
15) Acrylonitrile	3.14	53	13390	5.668	ug/l	97
16) Acetone	2.44	43	13058	5.997	ug/l	98
17) Carbon Disulfide	2.57	76	11112	1.138	ug/l	99
18) Methyl Acetate	2.78	43	6816	1.279	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	13330	1.231	ug/l	98
20) Methylene Chloride	2.85	84	4649	1.264	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	4004	1.215	ug/l	96
22) Diisopropyl ether	3.85	45	15941	1.194	ug/l #	90
23) Vinyl Acetate	3.81	43	64298	5.527	ug/l	100
24) 1,1-Dichloroethane	3.69	63	7731	1.171	ug/l	99
25) 2-Butanone	4.67	43	18415	5.325	ug/l	97
26) 2,2-Dichloropropane	4.57	77	6015	1.283	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	4508	1.195	ug/l	96
28) Bromochloromethane	5.02	49	3903	1.255	ug/l	98
29) Tetrahydrofuran	5.13	42	12667	5.498	ug/l	95
30) Chloroform	5.21	83	7030	1.189	ug/l	94
31) Cyclohexane	5.57	56	8187	1.236	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	5929	1.238	ug/l #	51
36) 1,1-Dichloropropene	5.80	75	5835	1.275	ug/l	95
37) Ethyl Acetate	4.84	43	7020	1.153	ug/l #	86
38) Carbon Tetrachloride	5.79	117	4817	1.269	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7236	1.278	ug/l	96
40) Benzene	6.14	78	17225	1.263	ug/l	98
41) Methacrylonitrile	5.06	41	3979	1.134	ug/l #	88
42) 1,2-Dichloroethane	6.19	62	6284	1.286	ug/l	97
43) Isopropyl Acetate	6.44	43	11809	1.236	ug/l	98
44) Trichloroethene	7.21	130	4346	1.361	ug/l	92
45) 1,2-Dichloropropane	7.51	63	4735	1.221	ug/l	89
46) Dibromomethane	7.66	93	2860	1.267	ug/l	95
47) Bromodichloromethane	7.89	83	5287	1.242	ug/l	99
48) Methyl methacrylate	7.77	41	5608	1.163	ug/l #	94
49) 1,4-Dioxane	7.74	88	2363	26.345	ug/l #	85
51) 4-Methyl-2-Pentanone	8.64	43	36991	6.025	ug/l	100
52) Toluene	8.78	92	10458	1.301	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	5480	1.144	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	6370	1.168	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	3992	1.236	ug/l	95
56) Ethyl methacrylate	9.18	69	6710	1.153	ug/l	100
57) 1,3-Dichloropropane	9.37	76	7280	1.259	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	18333	6.108	ug/l	100
59) 2-Hexanone	9.49	43	28146	5.896	ug/l	97
60) Dibromochloromethane	9.58	129	3629	1.190	ug/l	98
61) 1,2-Dibromoethane	9.67	107	4008	1.193	ug/l	93
64) Tetrachloroethene	9.33	164	4115	1.489	ug/l	95
65) Chlorobenzene	10.13	112	10795	1.322	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	3539	1.236	ug/l #	65
67) Ethyl Benzene	10.25	91	19689	1.297	ug/l	98
68) m/p-Xylenes	10.35	106	13799	2.525	ug/l	99
69) o-Xylene	10.70	106	6738	1.272	ug/l	99
70) Styrene	10.71	104	11064	1.211	ug/l	97
71) Bromoform	10.85	173	2729	1.242	ug/l #	95
73) Isopropylbenzene	11.02	105	17793	1.246	ug/l	95
74) N-amyl acetate	10.90	43	9614	1.145	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	6618	1.222	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	7192	1.520	ug/l	85
77) Bromobenzene	11.26	156	4521	1.310	ug/l	97
78) n-propylbenzene	11.36	91	20213	1.217	ug/l	99
79) 2-Chlorotoluene	11.42	91	12642	1.258	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	14755	1.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	1964	1.135	ug/l	88
82) 4-Chlorotoluene	11.51	91	14416	1.239	ug/l	98
83) tert-Butylbenzene	11.77	119	14142	1.227	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	14817	1.222	ug/l	96
85) sec-Butylbenzene	11.94	105	16896	1.234	ug/l	97
86) p-Isopropyltoluene	12.06	119	15045	1.221	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	7800	1.263	ug/l	97
88) 1,4-Dichlorobenzene	12.02	146	7800	1.245	ug/l	96
89) n-Butylbenzene	12.39	91	14244	1.234	ug/l	99
90) Hexachloroethane	12.60	117	2480	1.212	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	7962	1.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1496	1.252	ug/l	82

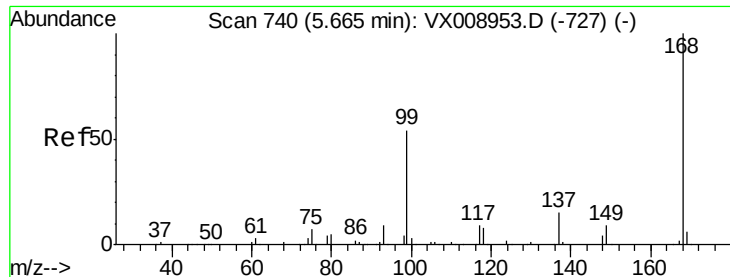
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 01:38:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	5402	1.256	ug/l	99
94) Hexachlorobutadiene	13.78	225	2975	1.444	ug/l	99
95) Naphthalene	13.83	128	15993	1.123	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	5199	1.213	ug/l	97

(#) = 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. -0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

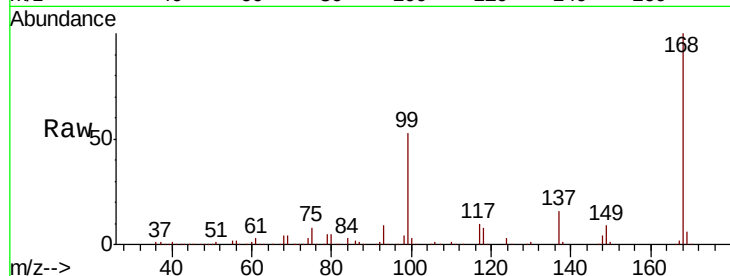
VSTDIC001

Tot Ion:168 Resp: 268092

Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

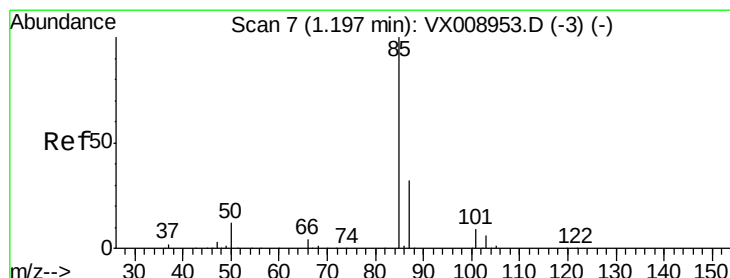
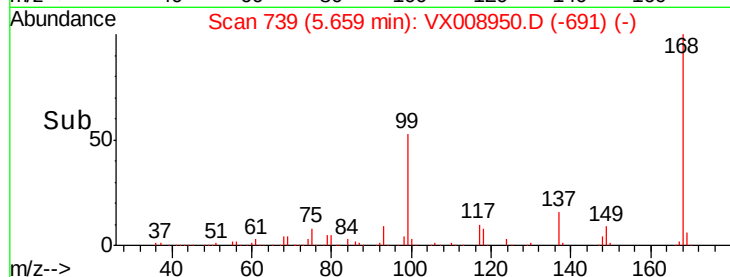
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.037 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008950.D

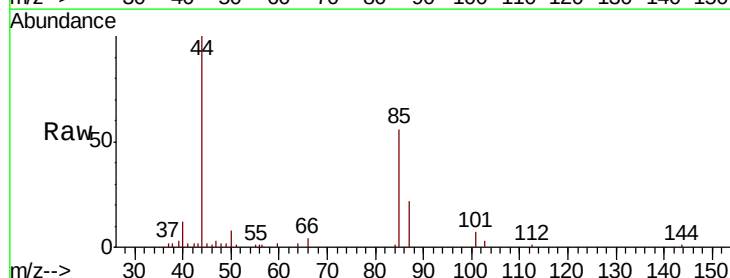
Acq: 15 Apr 2019 09:59

Tgt Ion: 85 Resp: 3212

Ion Ratio Lower Upper

85 100

87 38.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

3000

2500

2000

1500

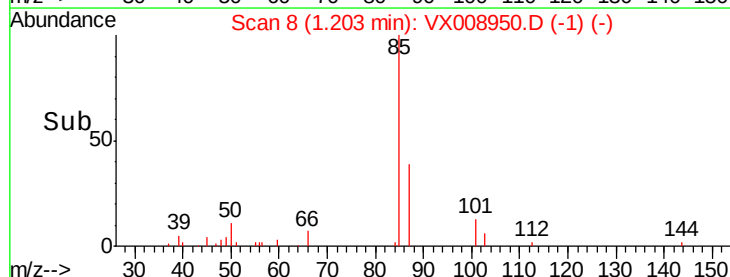
1000

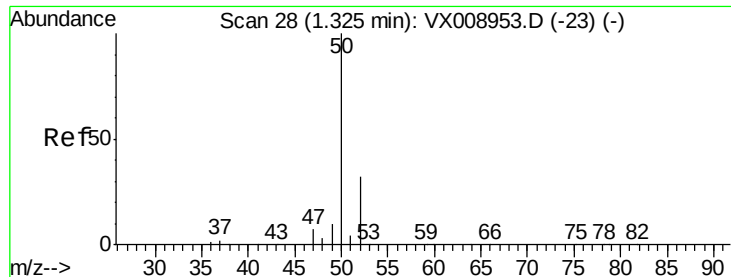
500

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 1.183 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

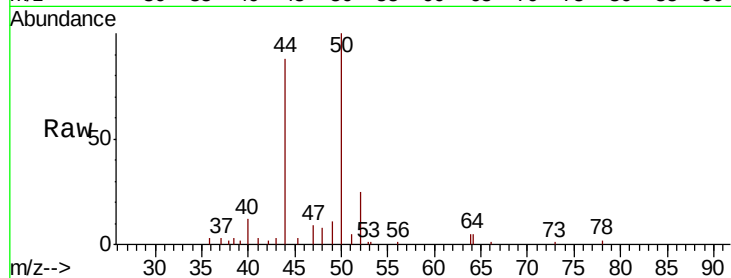
VSTDIC001

Tot Ion: 50 Resp: 4980

Ion Ratio Lower Upper

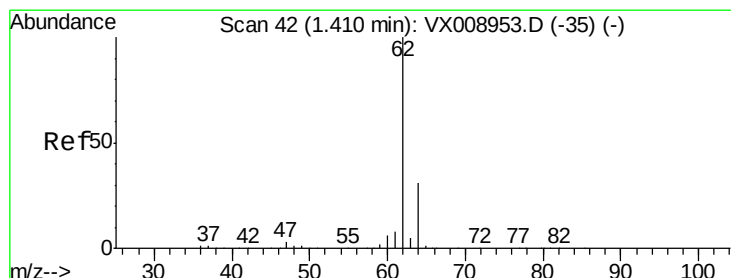
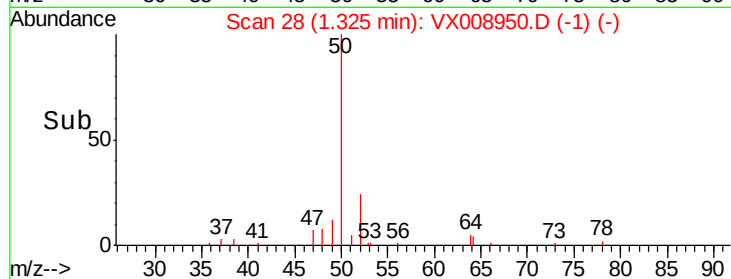
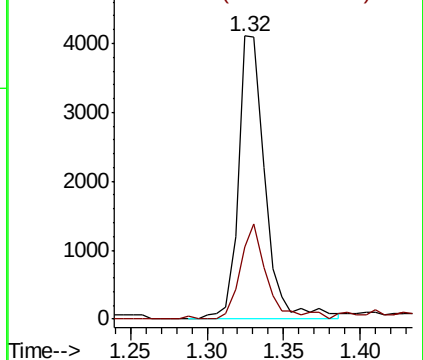
50 100

52 24.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.130 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008950.D

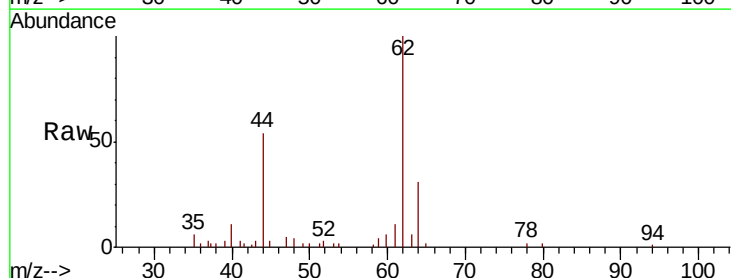
Acq: 15 Apr 2019 09:59

Tgt Ion: 62 Resp: 4616

Ion Ratio Lower Upper

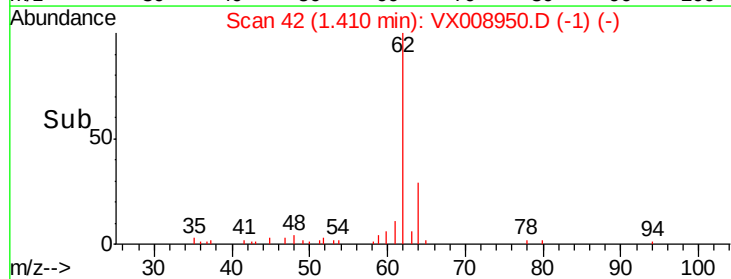
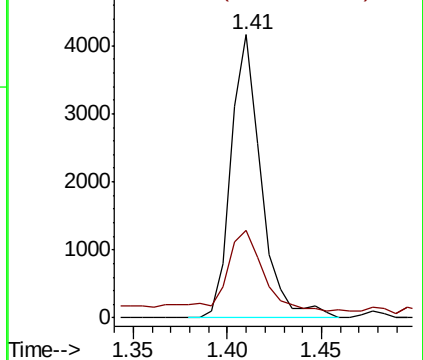
62 100

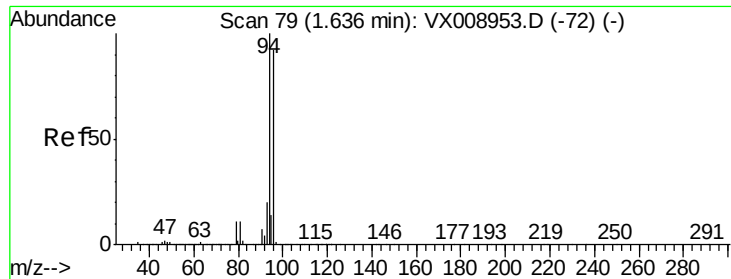
64 27.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.195 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

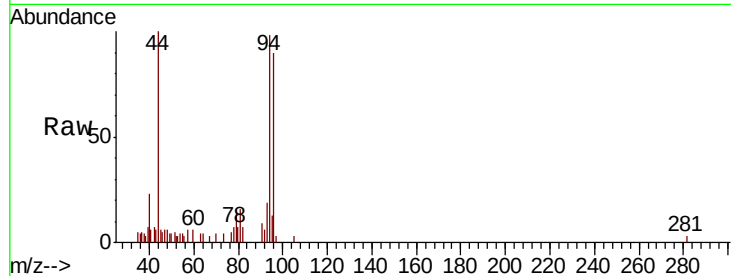
VSTDIC001

Tot Ion: 94 Resp: 2695

Ion Ratio Lower Upper

94 100

96 92.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2000

1500

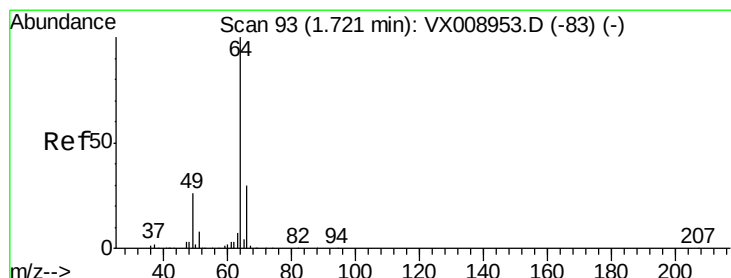
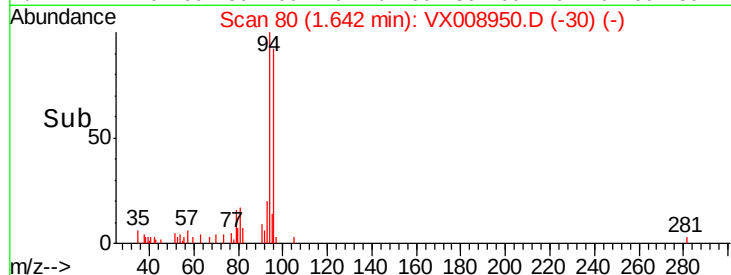
1000

500

0

1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 1.197 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008950.D

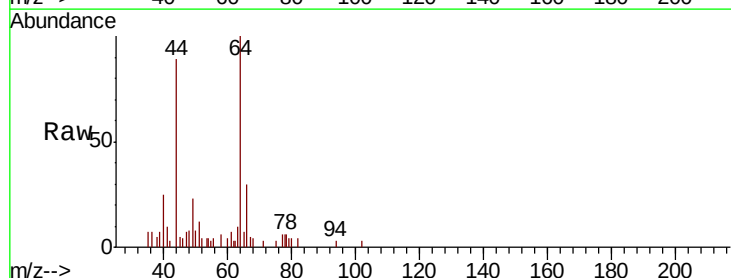
Acq: 15 Apr 2019 09:59

Tgt Ion: 64 Resp: 3251

Ion Ratio Lower Upper

64 100

66 29.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

2000

1500

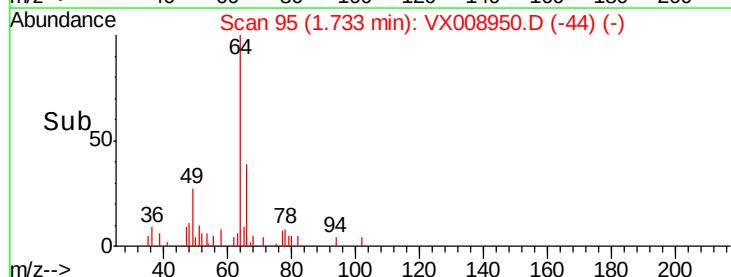
1000

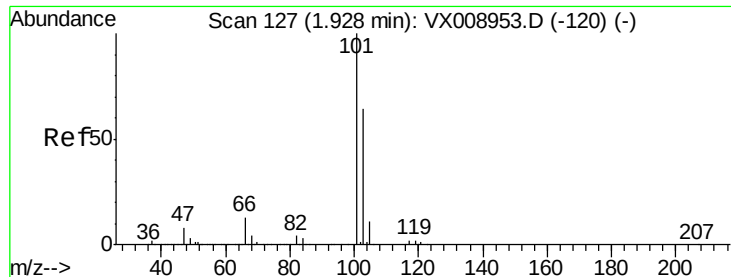
500

0

1.65 1.70 1.75 1.80

Time-->



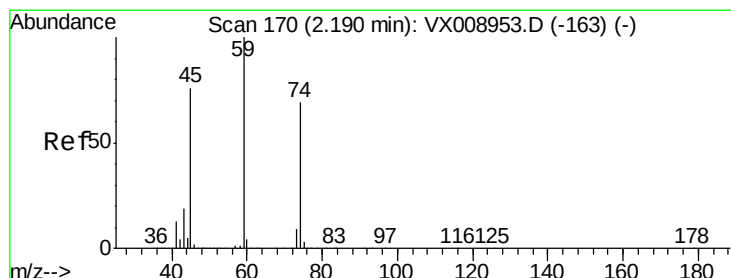
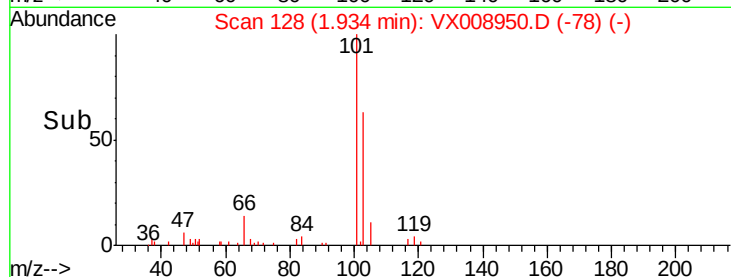
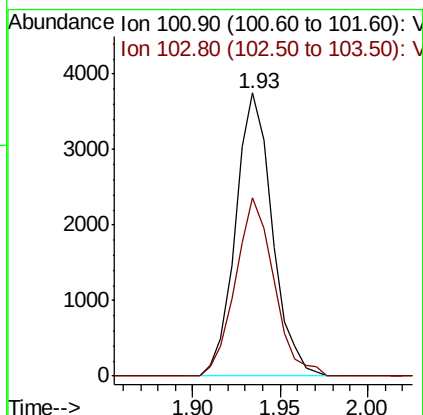
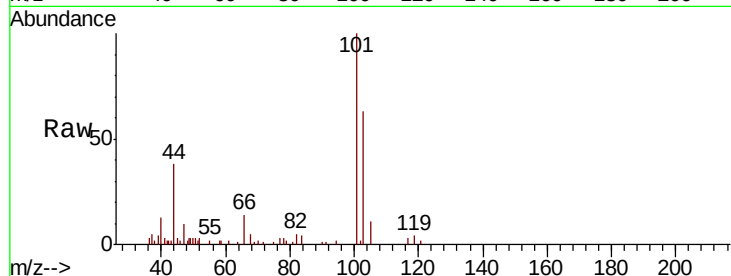


#7

Trichlorofluoromethane
 Concen: 1.210 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

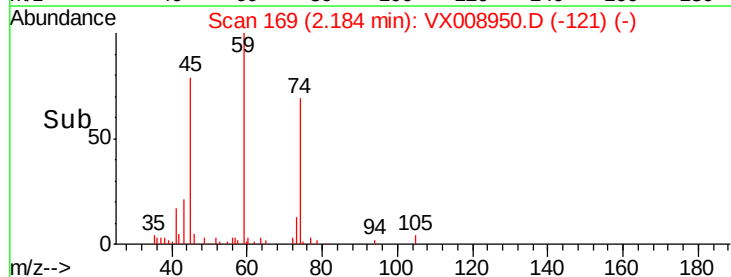
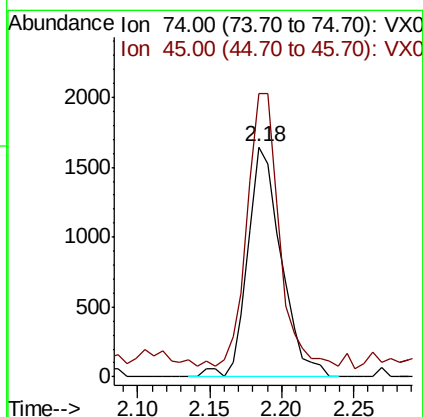
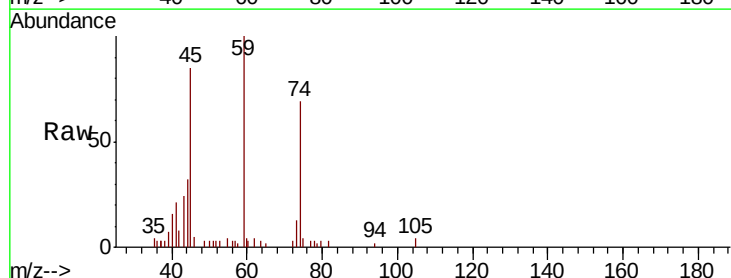
Tot Ion:101 Resp: 5489
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.0 76.6

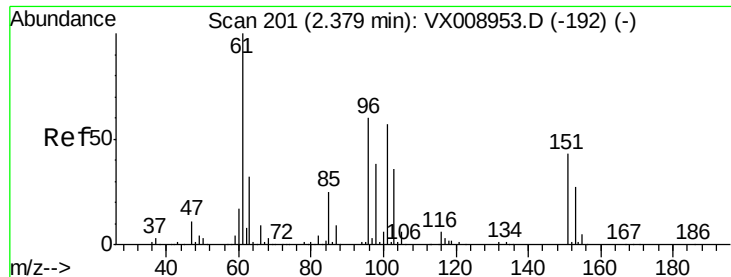


#8

Diethyl Ether
 Concen: 1.242 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 74 Resp: 2653
 Ion Ratio Lower Upper
 74 100
 45 111.4 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.264 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

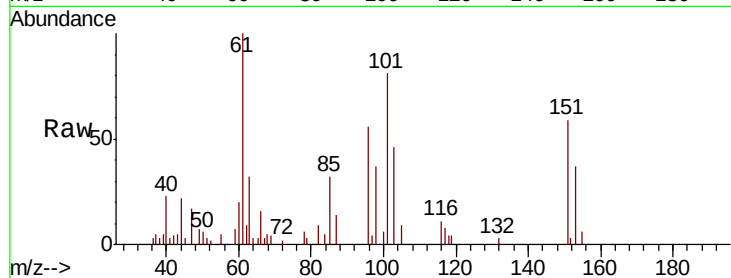
Tot Ion:101 Resp: 3674

Ion Ratio Lower Upper

101 100

85 43.4 35.7 53.5

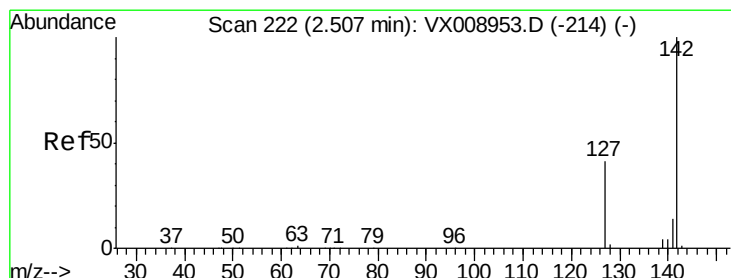
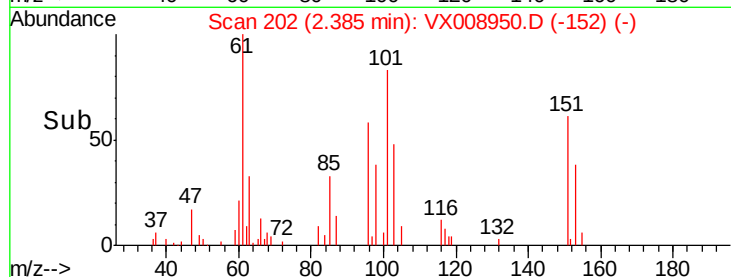
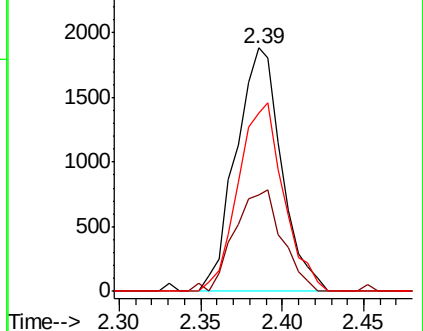
151 76.9 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.966 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

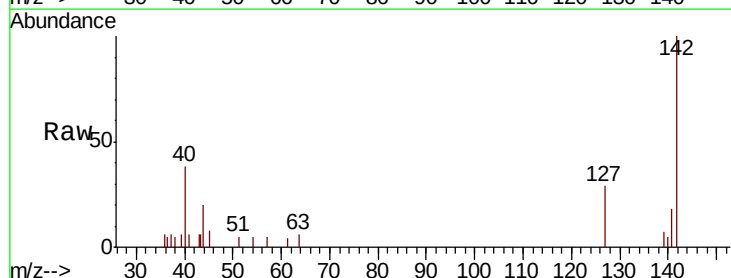
Tgt Ion:142 Resp: 2386

Ion Ratio Lower Upper

142 100

127 34.5 32.8 49.2

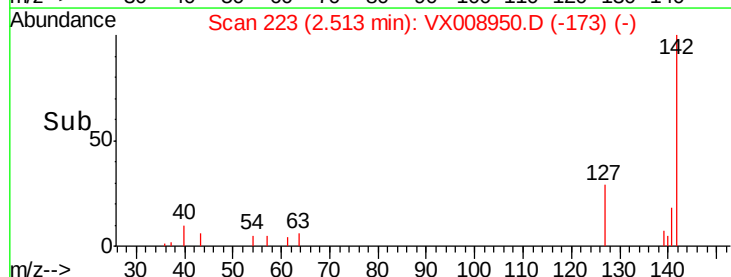
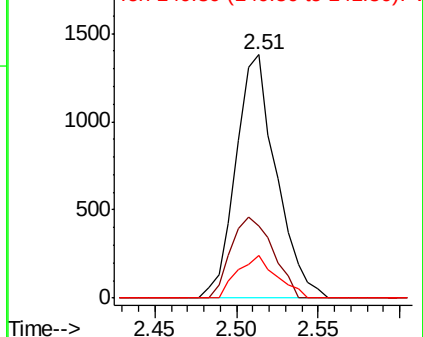
141 16.8 11.4 17.2

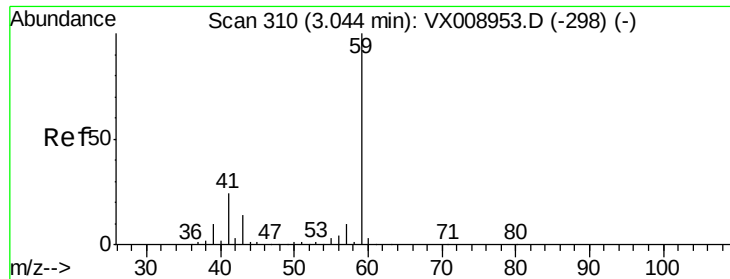


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

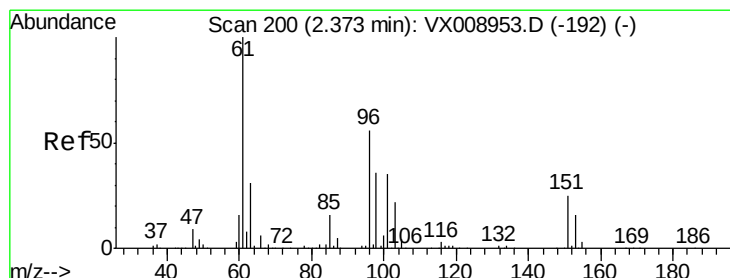
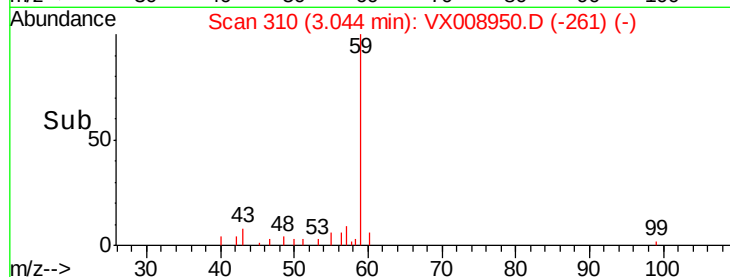
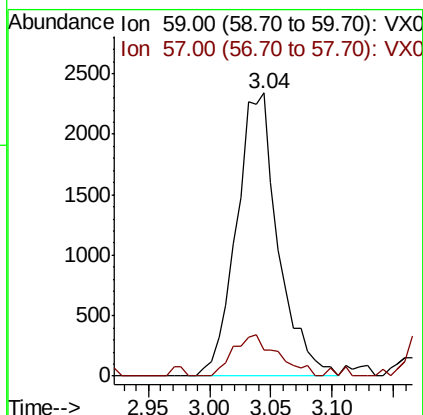
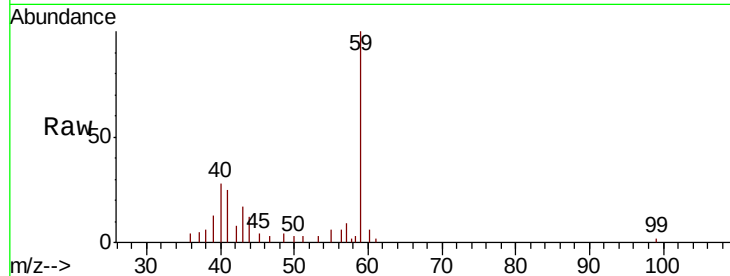




#11
Tert butyl alcohol
Concen: 6.211 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

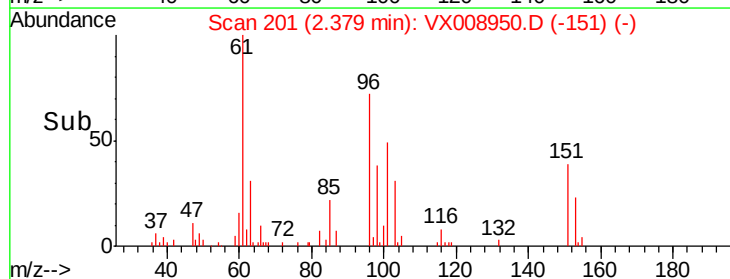
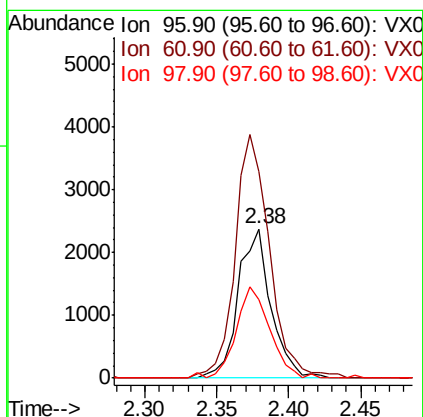
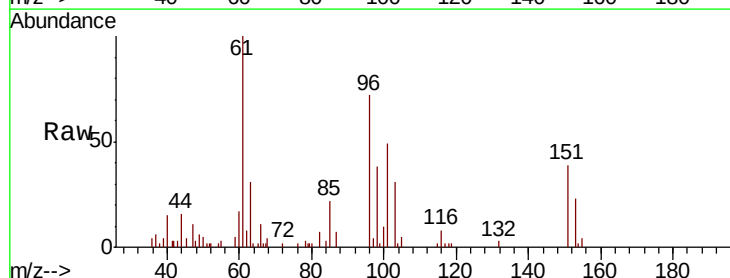
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

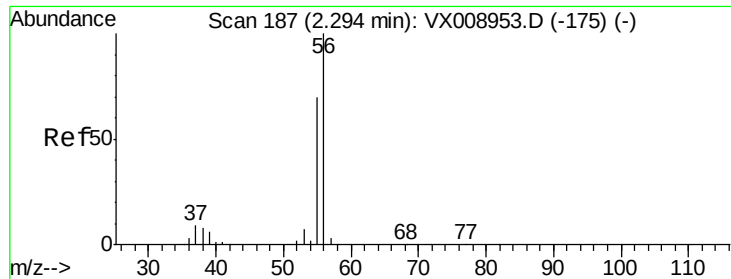
Tot Ion: 59 Resp: 5545
Ion Ratio Lower Upper
59 100
57 15.3 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 1.239 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 96 Resp: 3769
Ion Ratio Lower Upper
96 100
61 138.4 142.2 213.2#
98 52.7 50.9 76.3





#13

Acrolein

Concen: 8.925 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

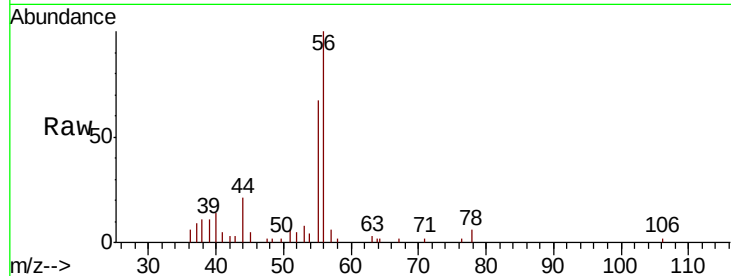
VSTDIC001

Tot Ion: 56 Resp: 4566

Ion Ratio Lower Upper

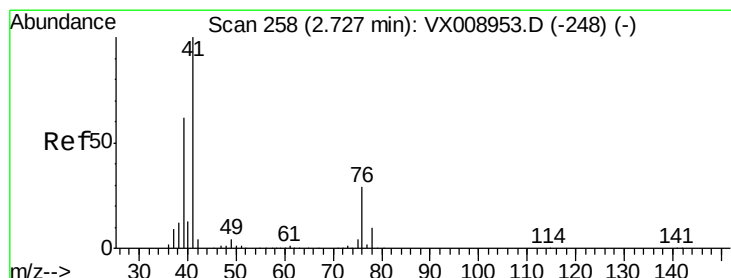
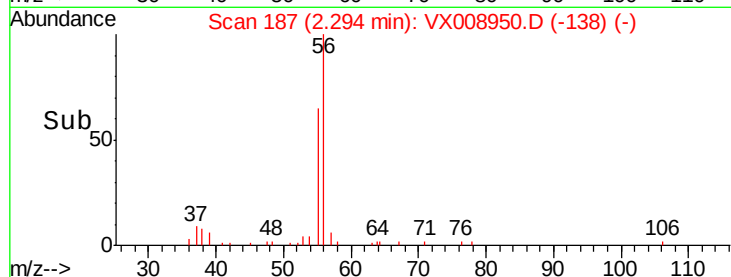
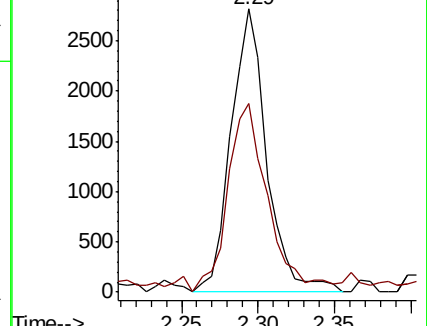
56 100

55 75.1 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.132 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

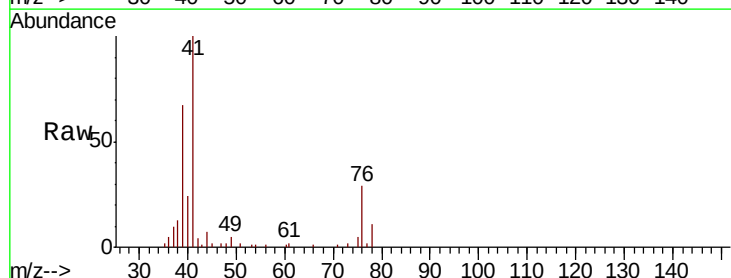
Tgt Ion: 41 Resp: 7858

Ion Ratio Lower Upper

41 100

39 71.3 46.7 70.1#

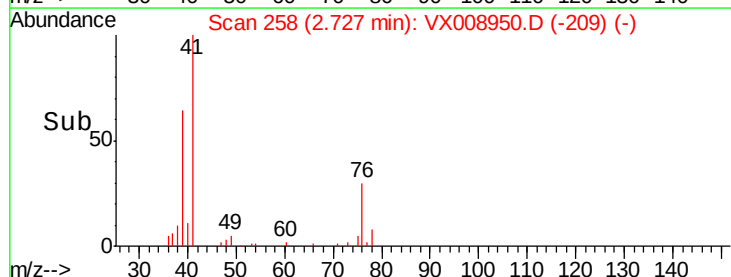
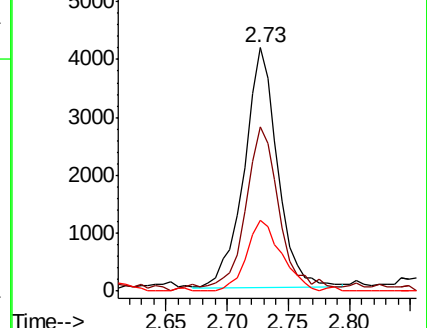
76 30.7 22.0 33.0

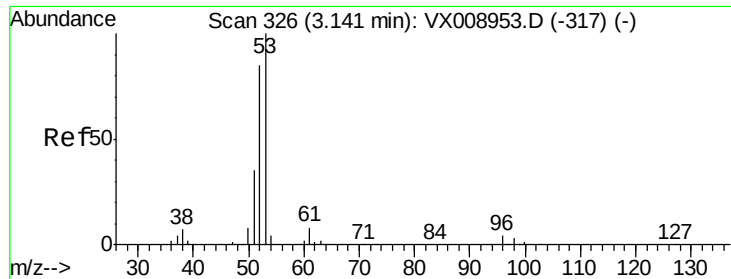


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 5.668 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

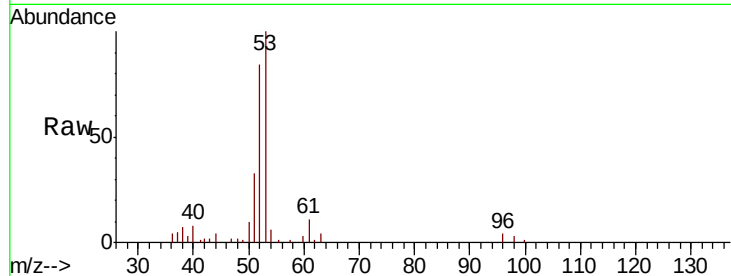
Tot Ion: 53 Resp: 13390

Ion Ratio Lower Upper

53 100

52 86.0 66.6 100.0

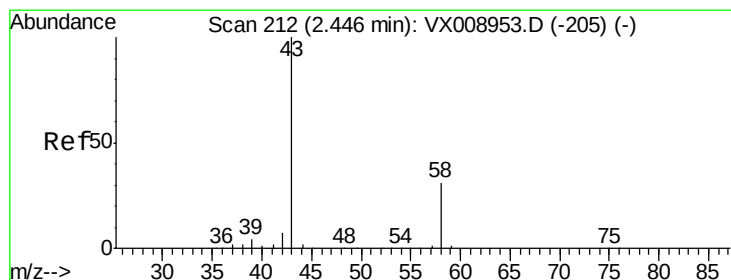
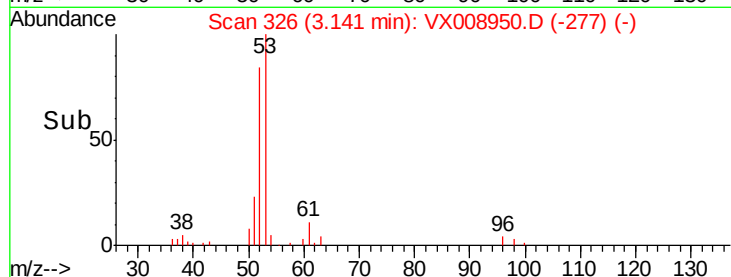
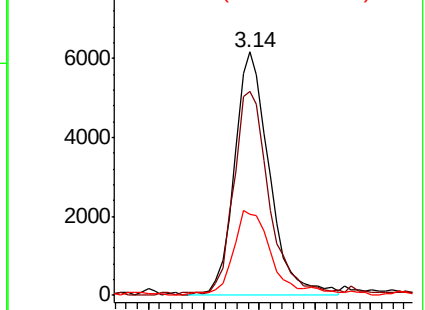
51 36.5 28.3 42.5



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: 5.997 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008950.D

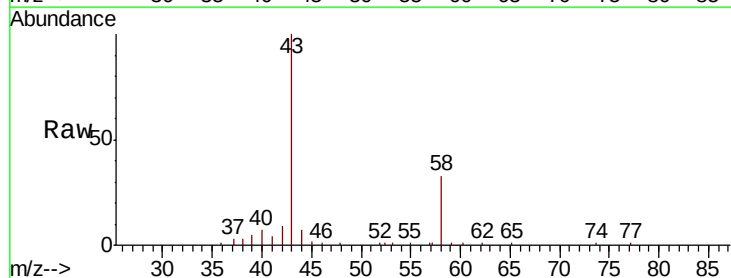
Acq: 15 Apr 2019 09:59

Tgt Ion: 43 Resp: 13058

Ion Ratio Lower Upper

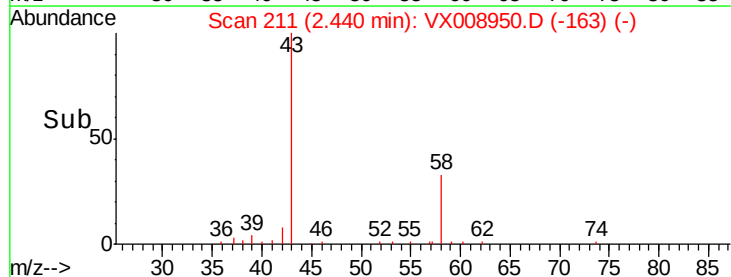
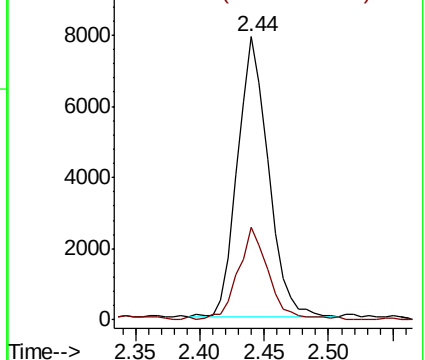
43 100

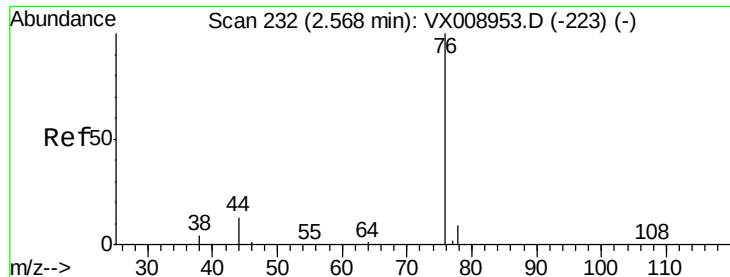
58 32.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.138 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

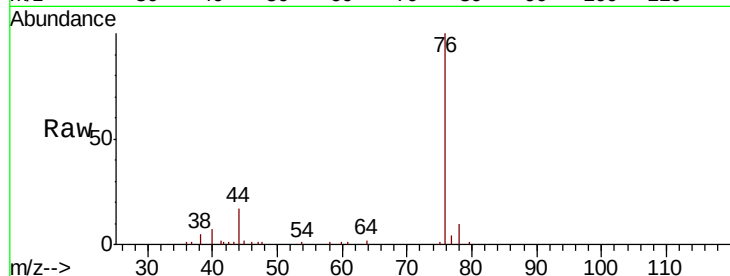
VSTDIC001

Tot Ion: 76 Resp: 11112

Ion Ratio Lower Upper

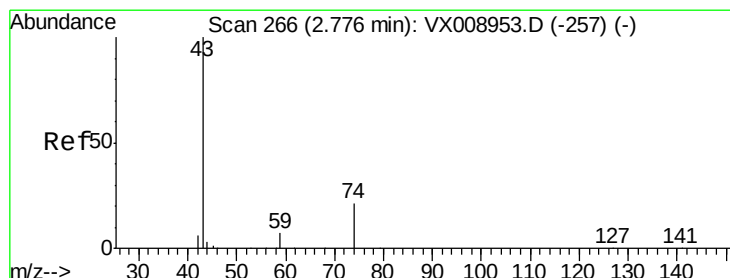
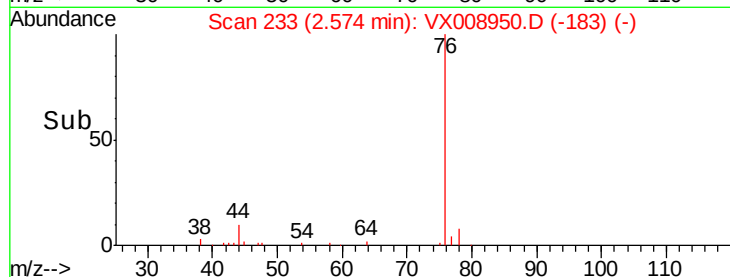
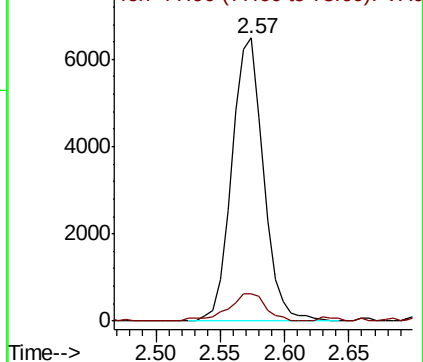
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.279 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008950.D

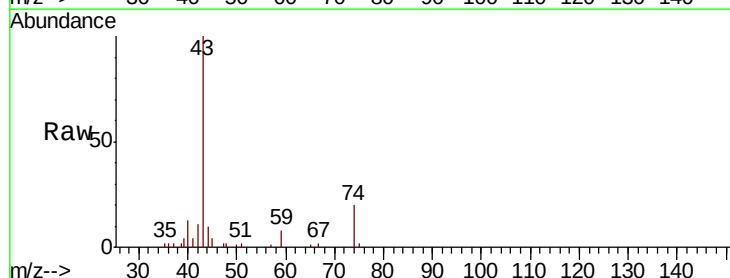
Acq: 15 Apr 2019 09:59

Tgt Ion: 43 Resp: 6816

Ion Ratio Lower Upper

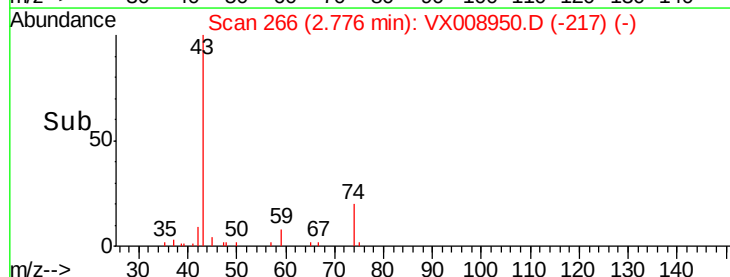
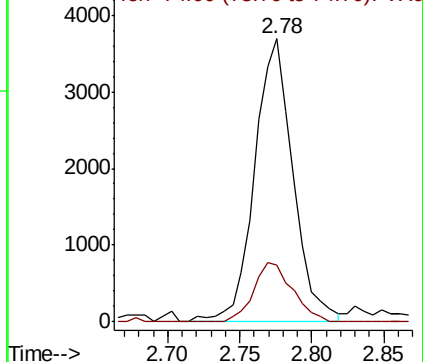
43 100

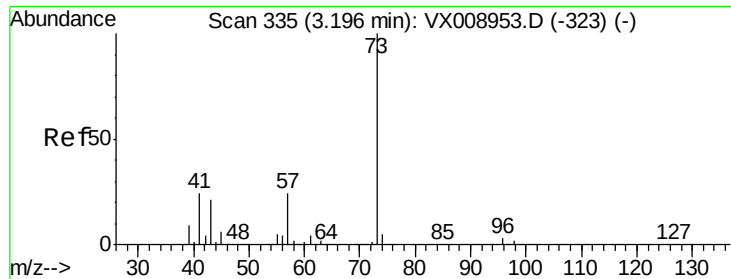
74 21.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

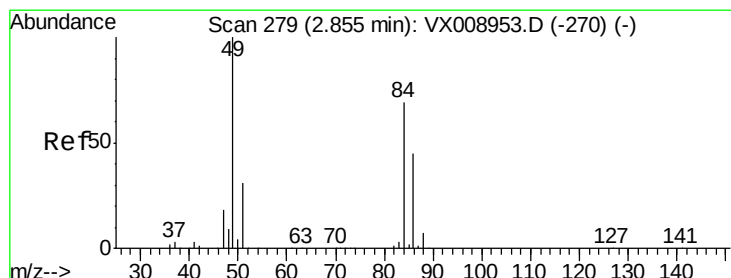
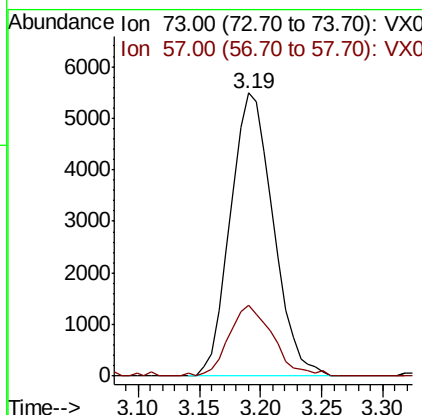
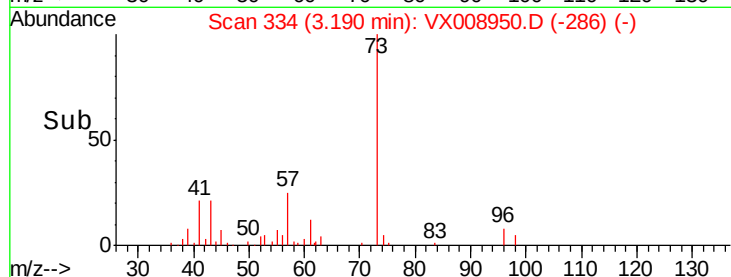
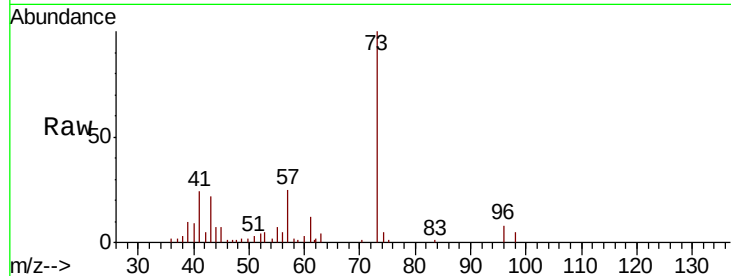




#19
Methyl tert-butyl Ether
Concen: 1.231 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

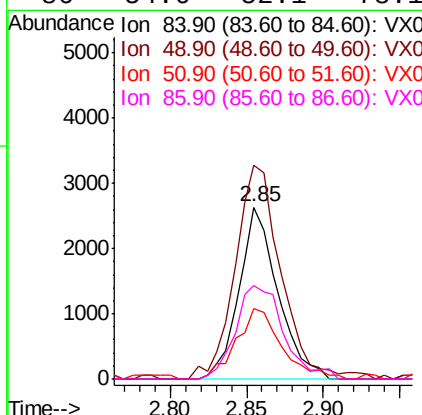
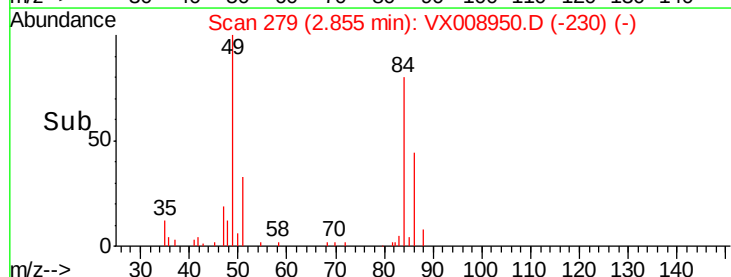
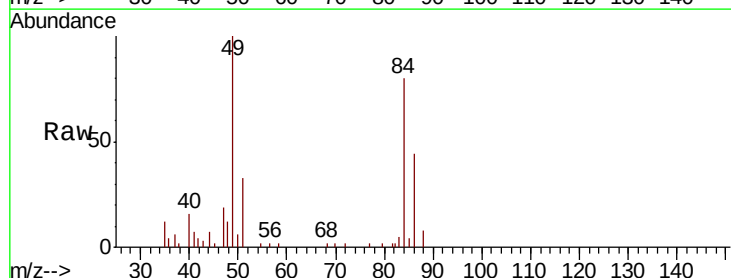
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

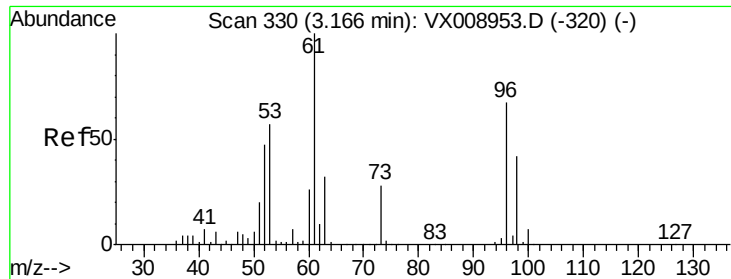
Tot Ion: 73 Resp: 13330
Ion Ratio Lower Upper
73 100
57 25.1 19.2 28.8



#20
Methylene Chloride
Concen: 1.264 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 84 Resp: 4649
Ion Ratio Lower Upper
84 100
49 124.5 115.4 173.0
51 40.9 35.8 53.6
86 54.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 1.215 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

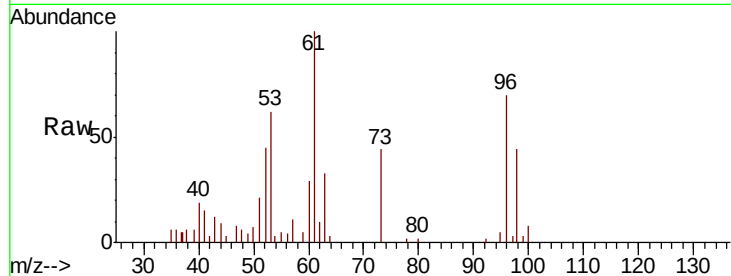
Tot Ion: 96 Resp: 4004

Ion Ratio Lower Upper

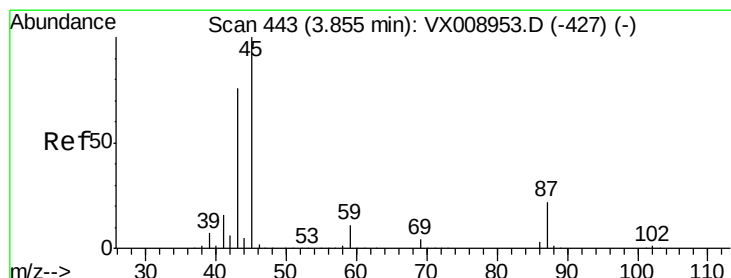
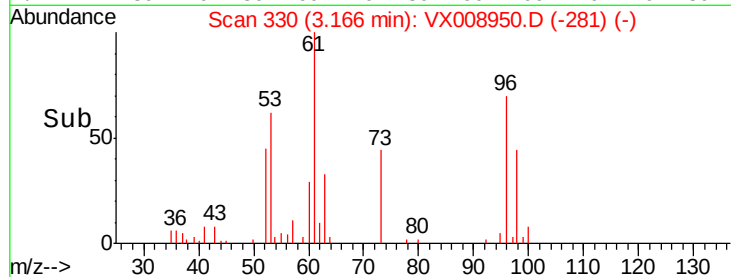
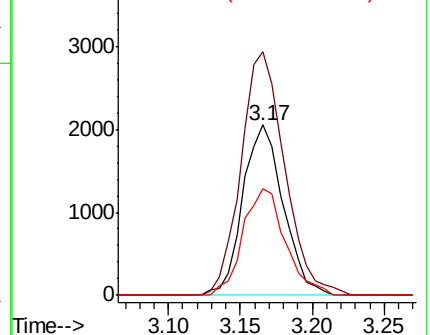
96 100

61 142.9 120.3 180.5

98 62.5 50.2 75.2



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



#22

Diisopropyl ether

Concen: 1.194 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Tgt Ion: 45 Resp: 15941

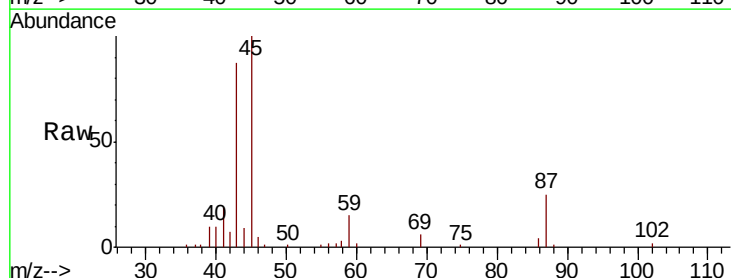
Ion Ratio Lower Upper

45 100

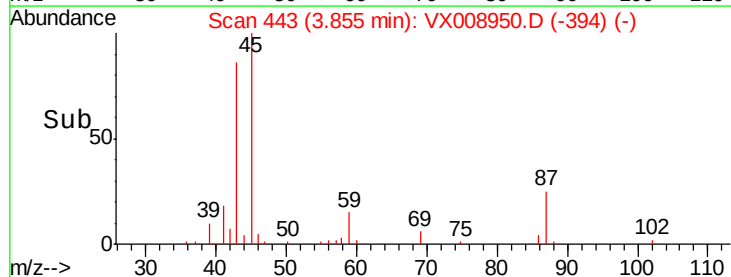
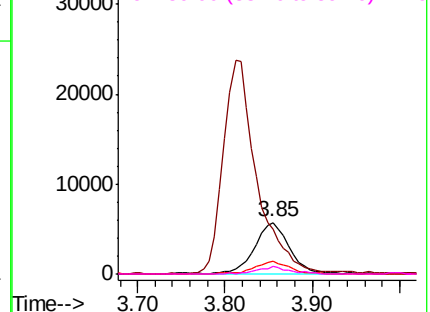
43 84.9 60.6 91.0

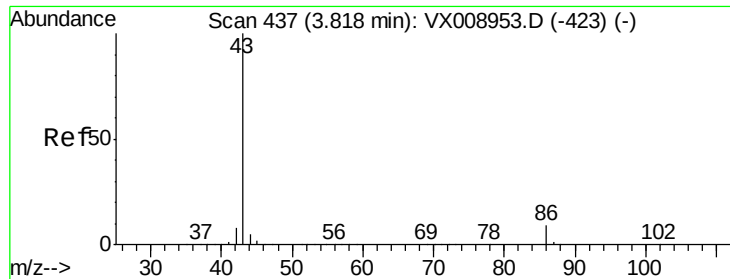
87 24.9 17.8 26.8

59 14.7 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: 5.527 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

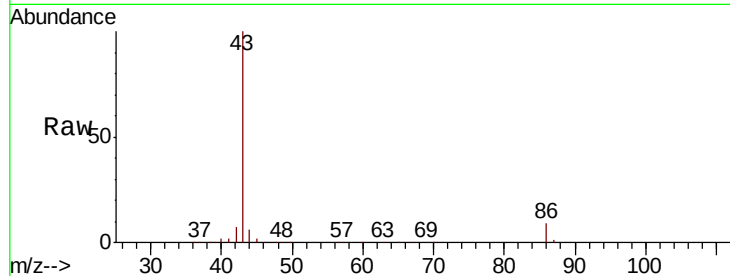
VSTDIC001

Tot Ion: 43 Resp: 64298

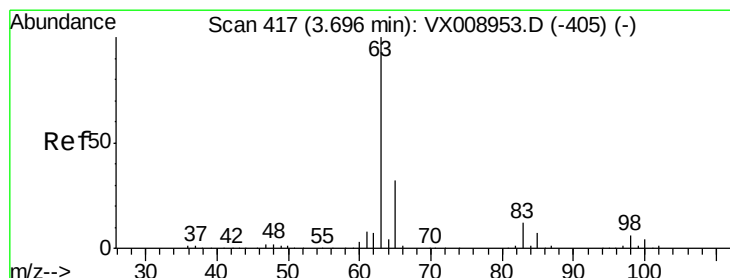
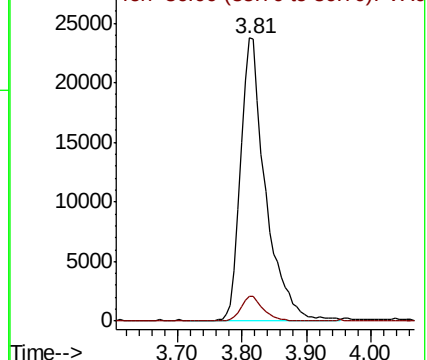
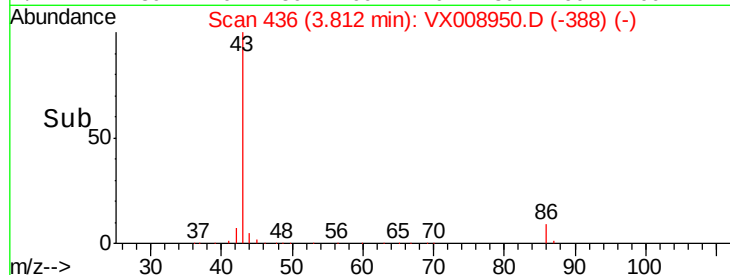
Ion Ratio Lower Upper

43 100

86 8.8 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX008950.D (-388) (-)



#24

1,1-Dichloroethane

Concen: 1.171 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

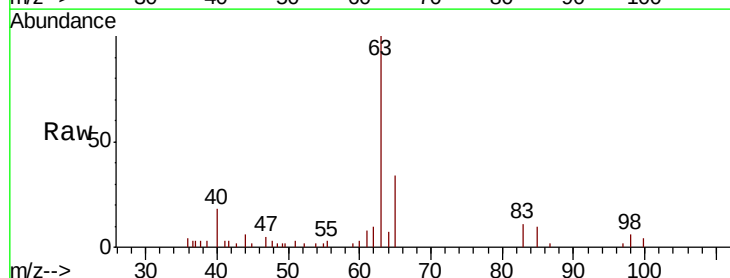
Tgt Ion: 63 Resp: 7731

Ion Ratio Lower Upper

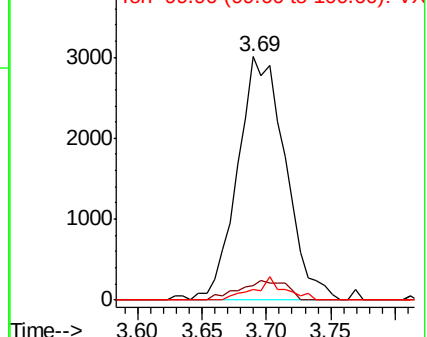
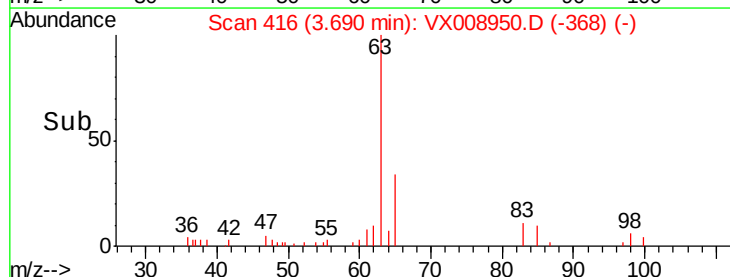
63 100

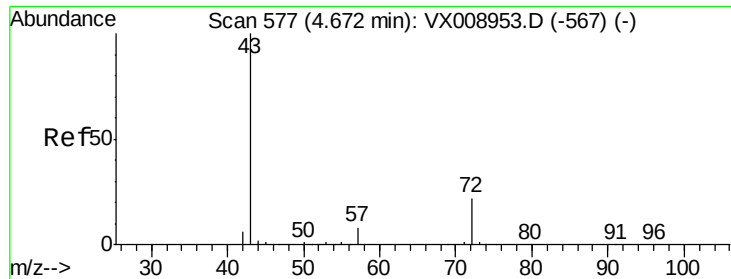
98 5.7 3.1 9.3

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX008950.D (-368) (-)





#25

2-Butanone

Concen: 5.325 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

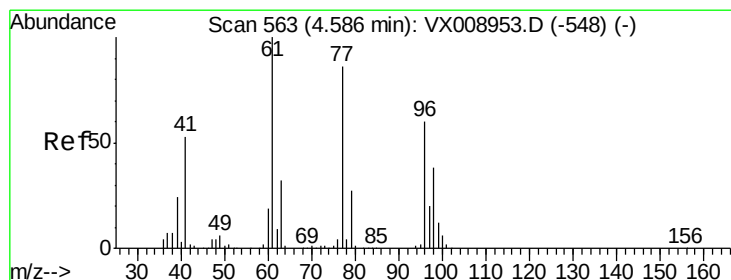
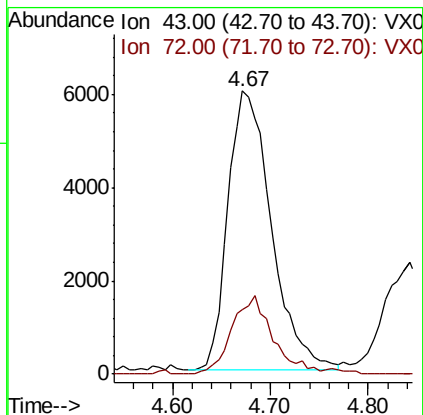
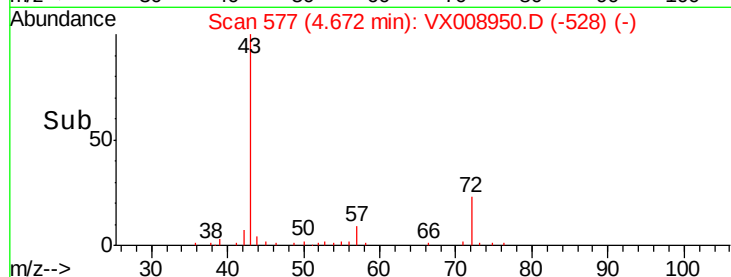
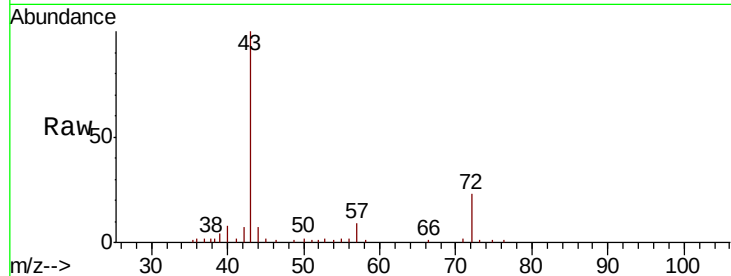
VSTDIC001

Tot Ion: 43 Resp: 18415

Ion Ratio Lower Upper

43 100

72 23.3 17.5 26.3



#26

2,2-Dichloropropane

Concen: 1.283 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008950.D

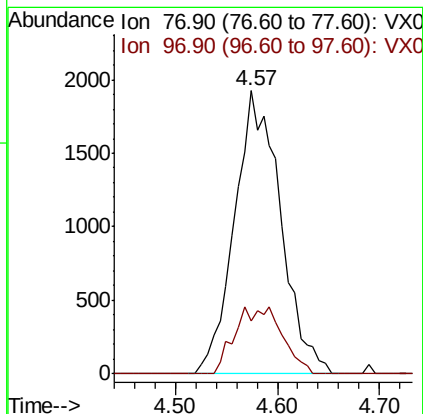
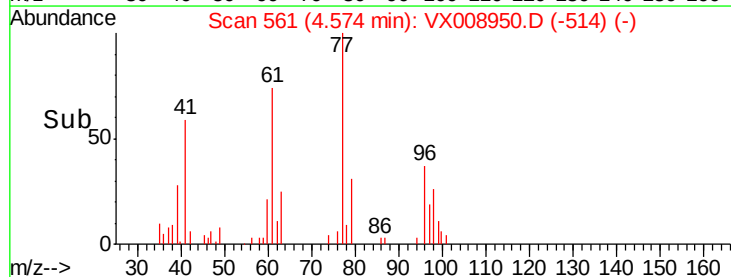
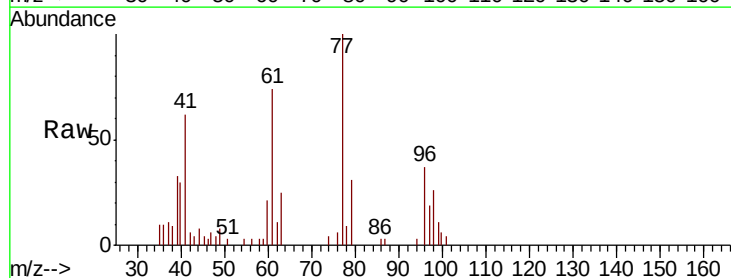
Acq: 15 Apr 2019 09:59

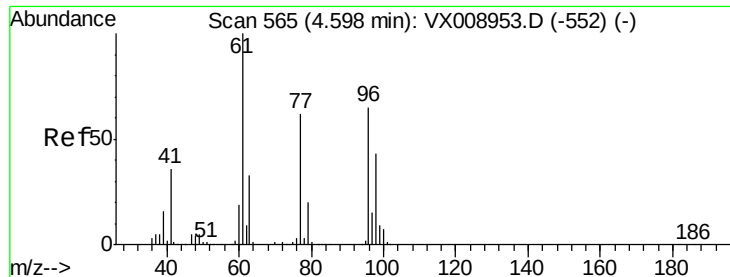
Tgt Ion: 77 Resp: 6015

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0



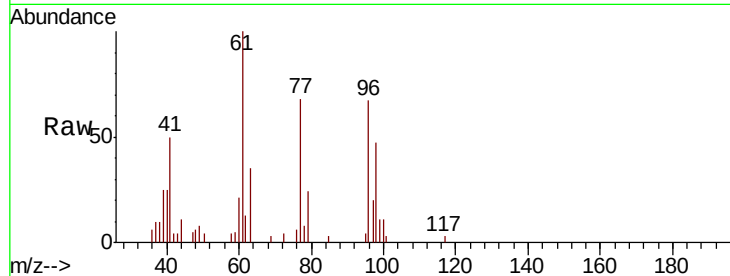


#27

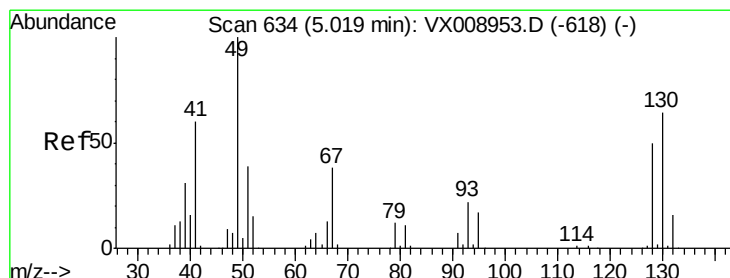
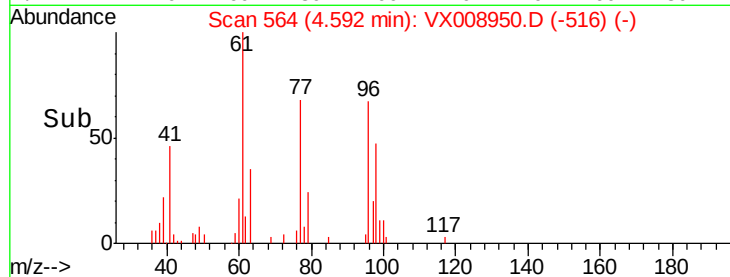
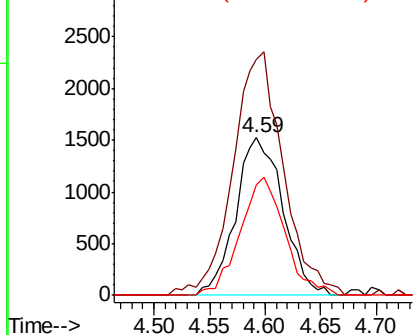
cis-1,2-Dichloroethene
 Concen: 1.195 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 96 Resp: 4508
 Ion Ratio Lower Upper
 96 100
 61 164.0 0.0 322.0
 98 71.1 0.0 128.4



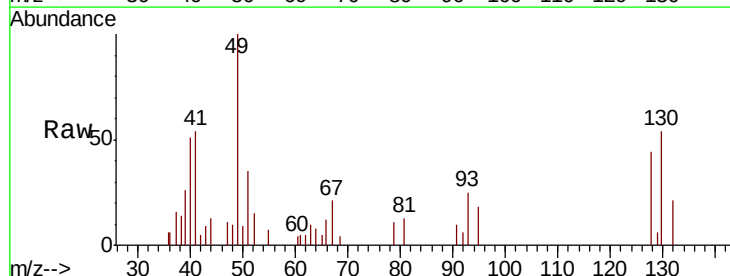
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



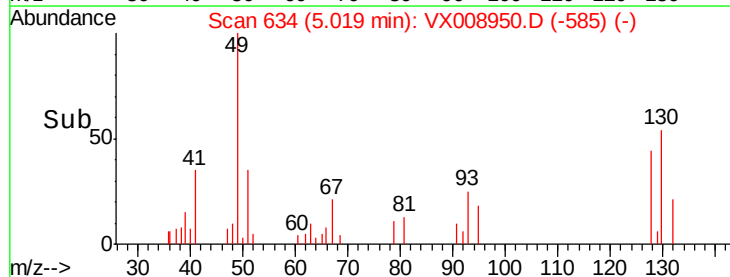
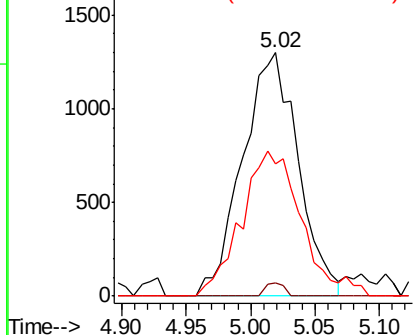
#28

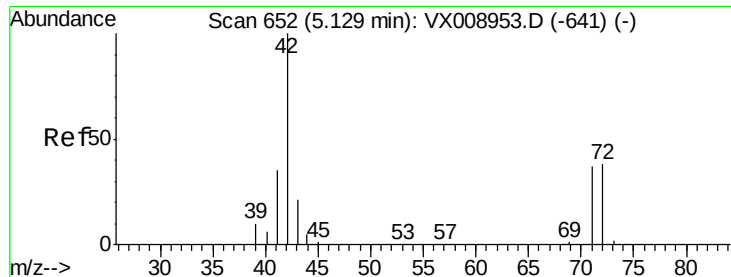
Bromochloromethane
 Concen: 1.255 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 49 Resp: 3903
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.6
 130 64.4 50.4 75.6



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

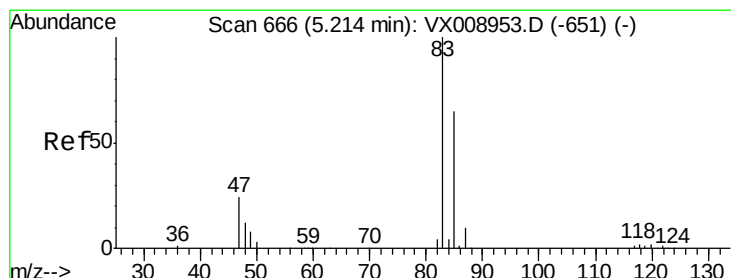
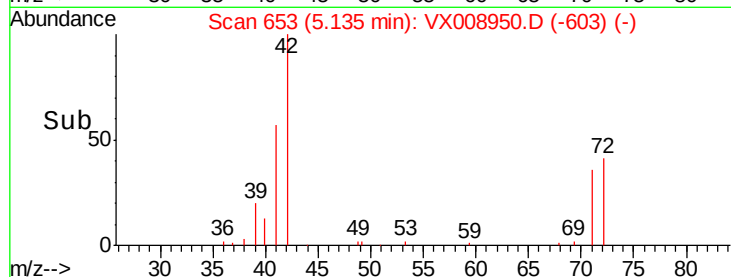
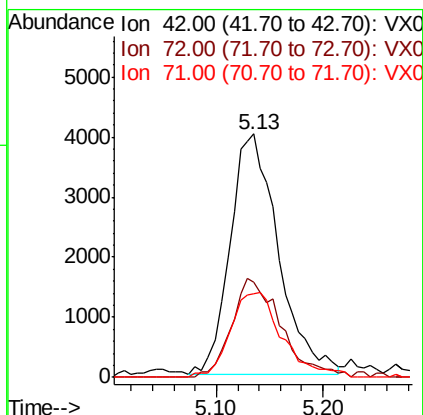
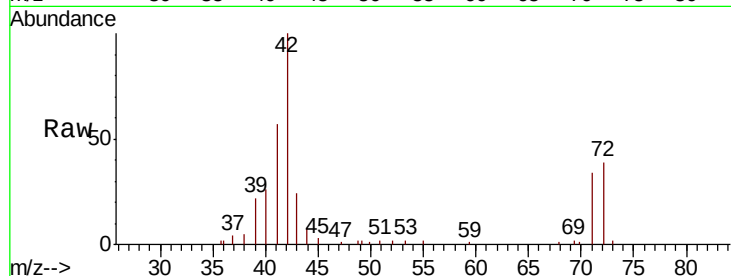




#29
Tetrahydrofuran
Concen: 5.498 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

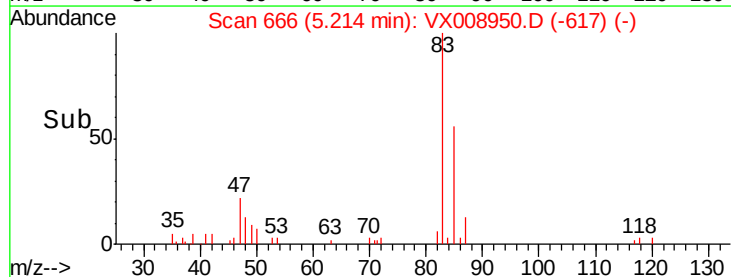
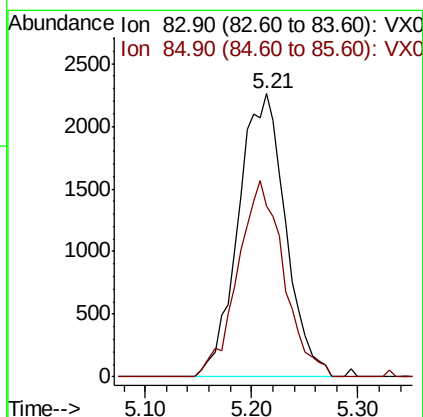
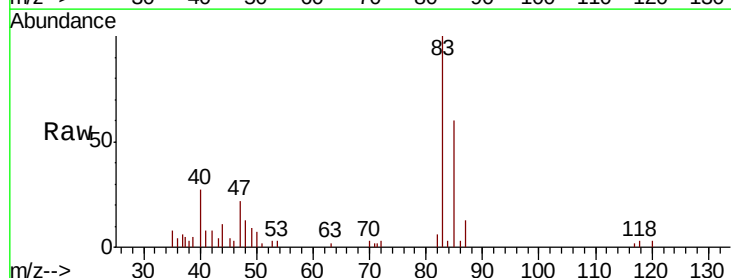
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

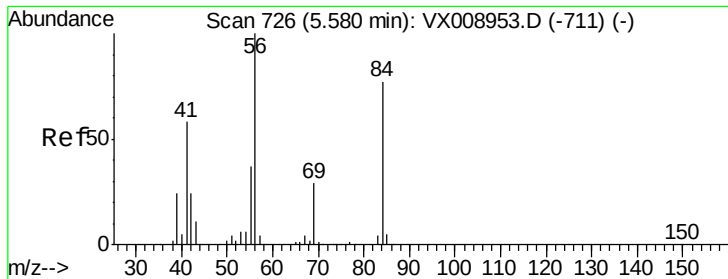
Tot Ion: 42 Resp: 12667
Ion Ratio Lower Upper
42 100
72 42.2 30.6 45.8
71 38.2 28.8 43.2



#30
Chloroform
Concen: 1.189 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 83 Resp: 7030
Ion Ratio Lower Upper
83 100
85 60.2 51.9 77.9

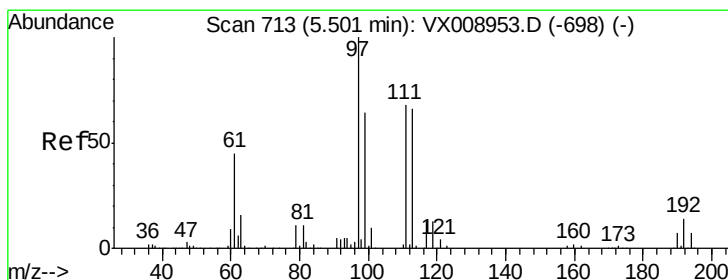
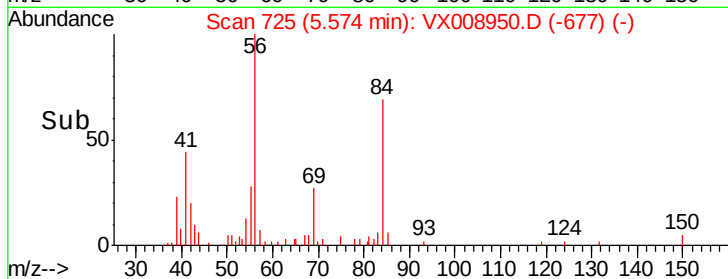
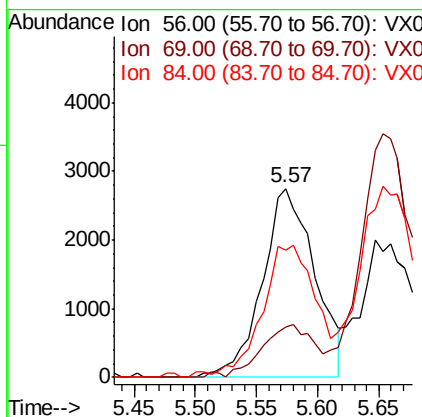
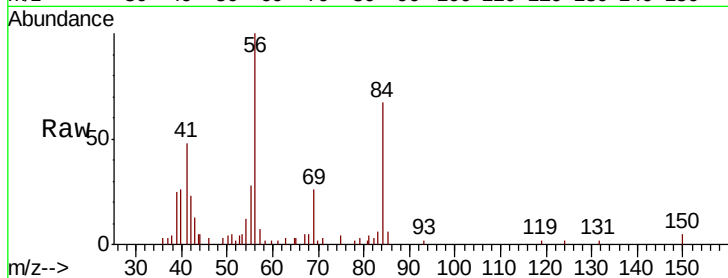




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

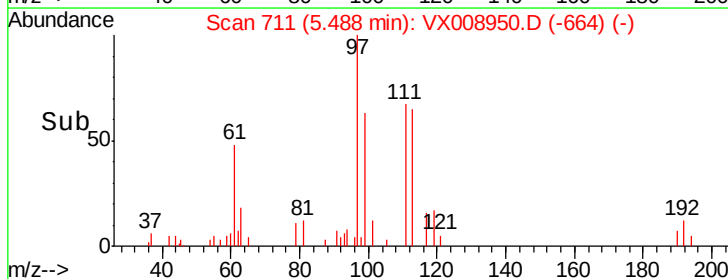
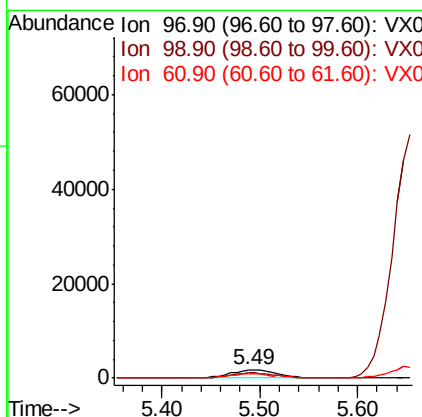
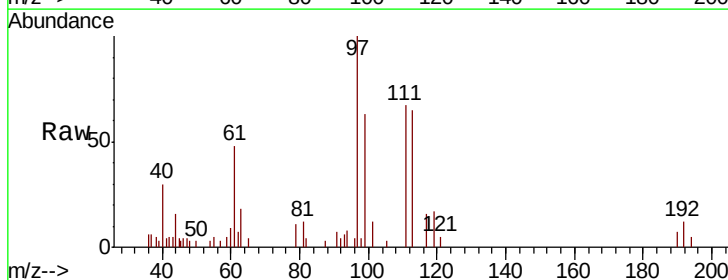
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

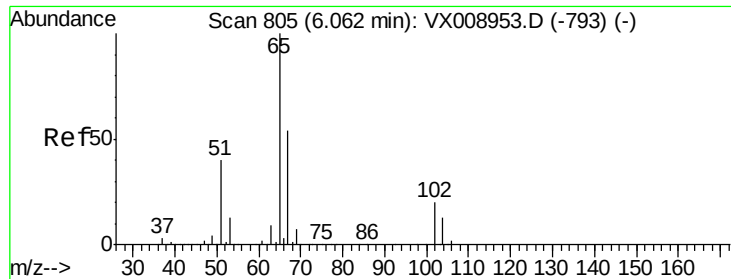
Tot Ion	Ratio	Lower	Upper
56	100		
69	26.4	23.3	34.9
84	67.4	61.7	92.5



#32
1,1,1-Trichloroethane
Concen: 1.238 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.5	37.9	56.9

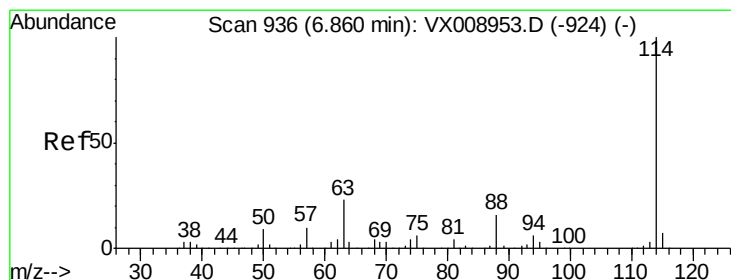
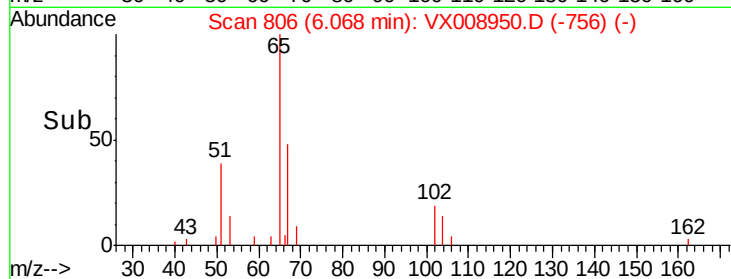
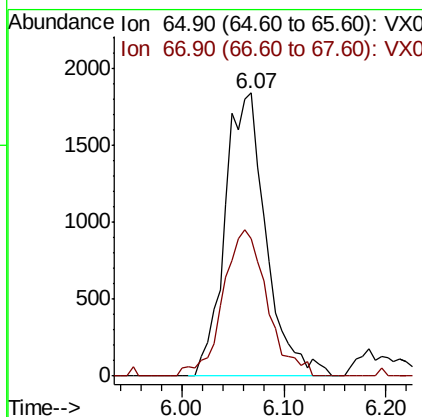
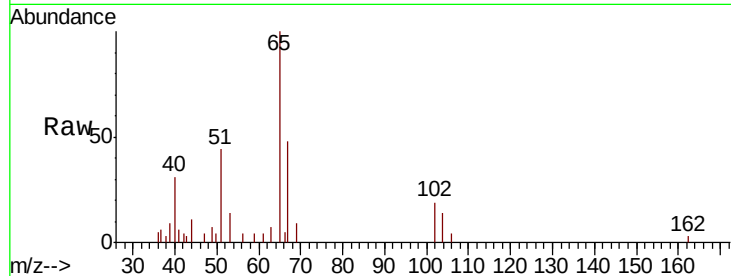




#33
 1,2-Dichloroethane-d4
 Concen: 1.338 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

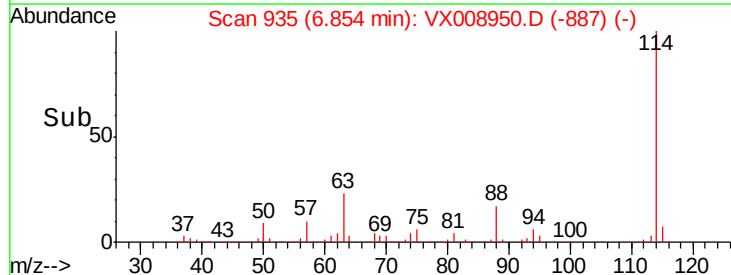
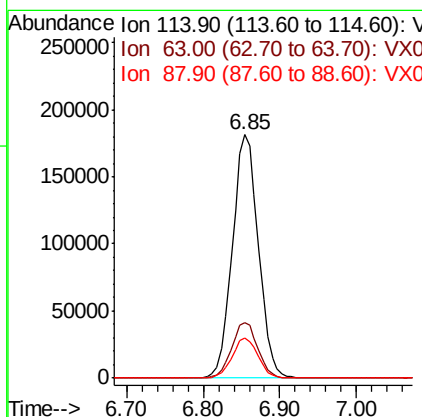
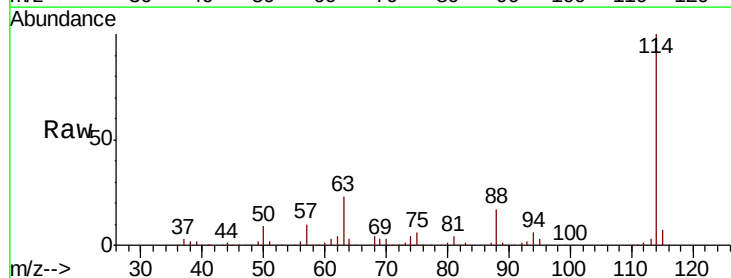
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

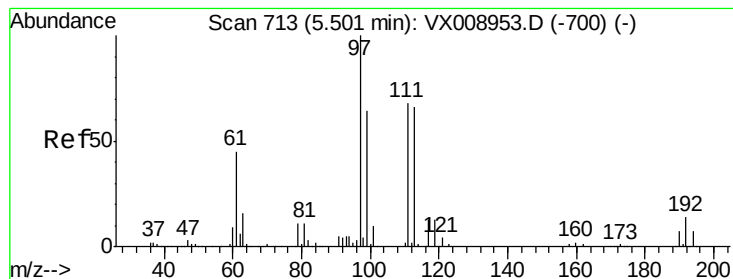
Tot Ion: 65 Resp: 5137
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 114 Resp: 425767
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.0
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 1.372 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

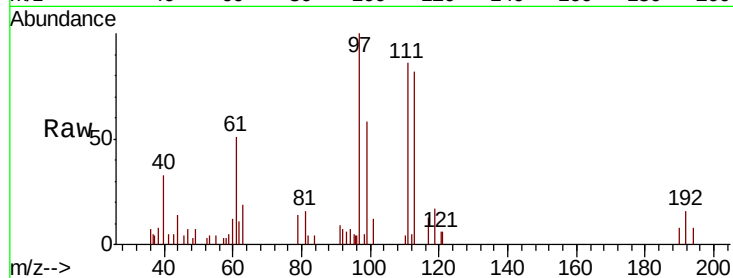
Tot Ion:113 Resp: 3709

Ion Ratio Lower Upper

113 100

111 104.9 82.9 124.3

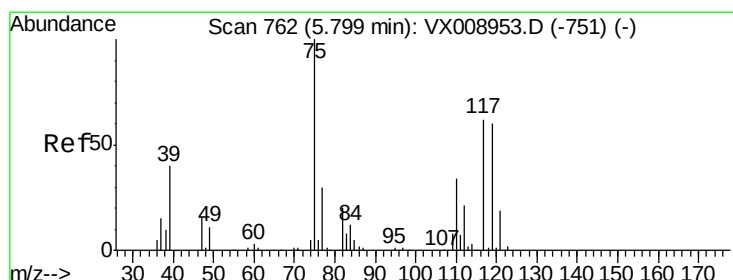
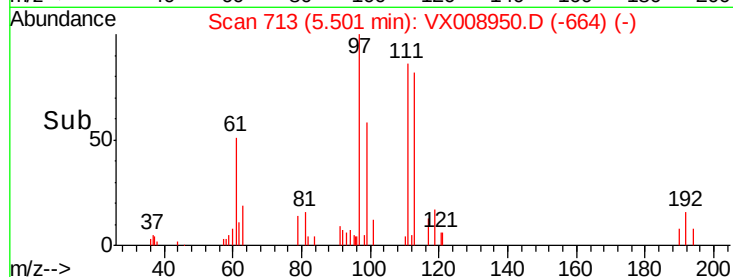
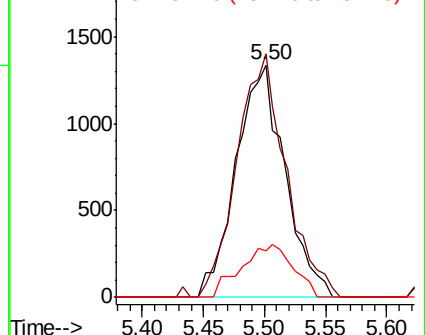
192 24.1 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.275 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

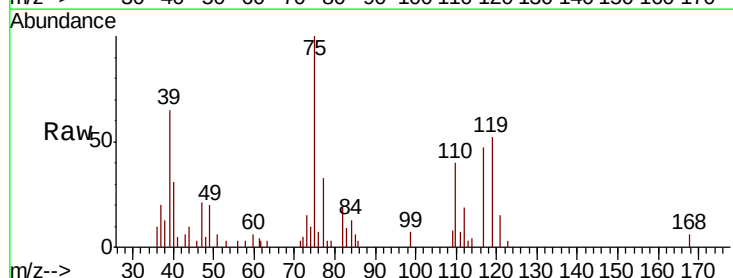
Tgt Ion: 75 Resp: 5835

Ion Ratio Lower Upper

75 100

110 36.6 16.9 50.7

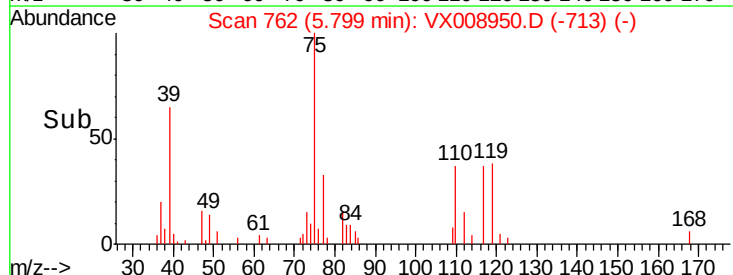
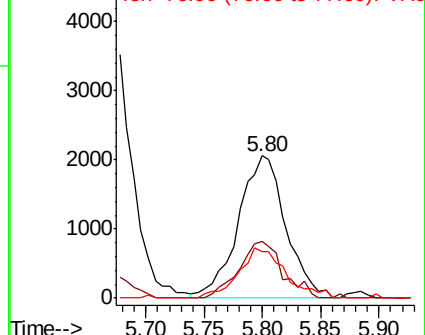
77 34.4 25.0 37.4

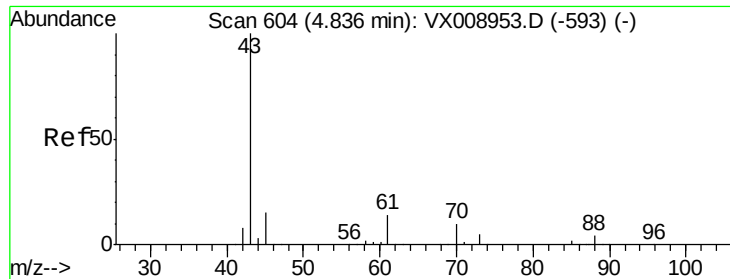


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

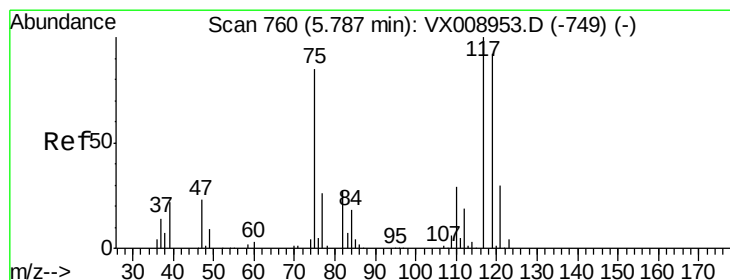
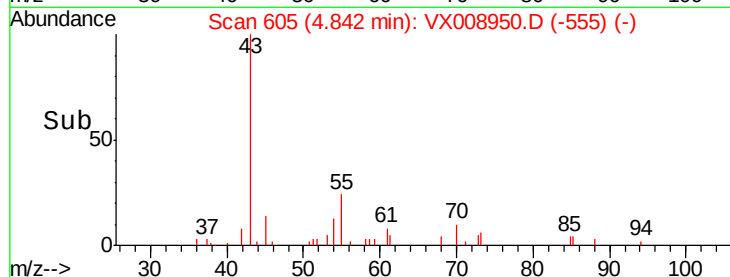
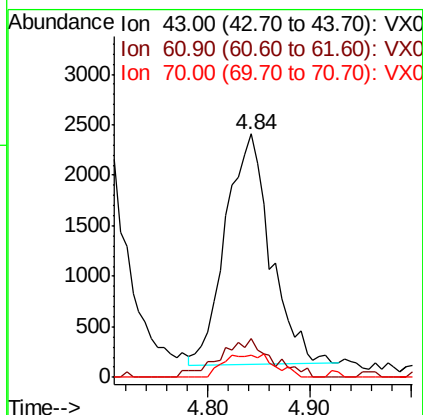
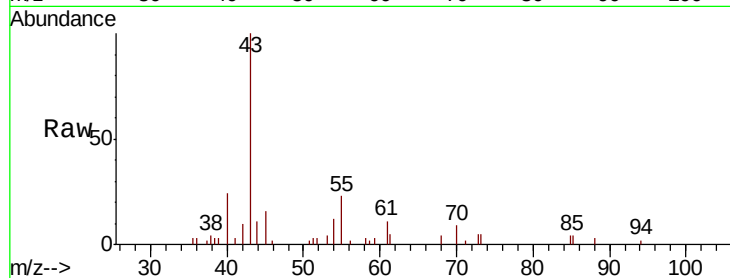




#37
Ethyl Acetate
Concen: 1.153 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

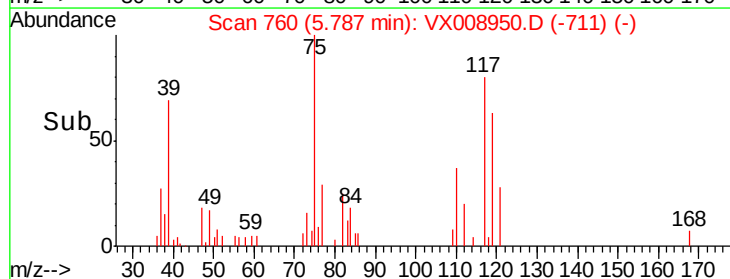
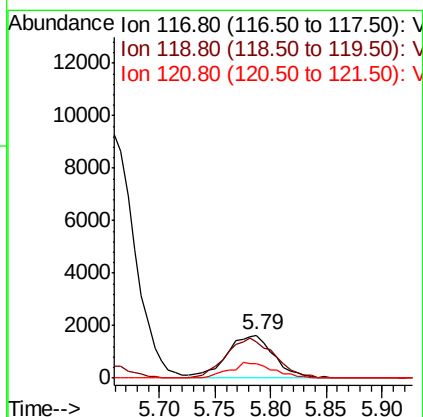
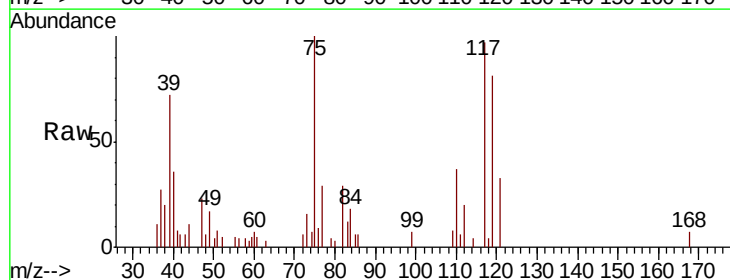
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

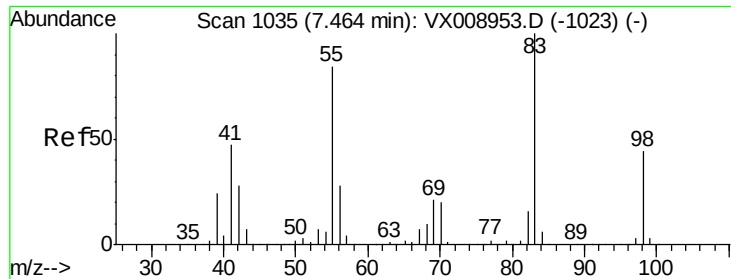
Tot Ion: 43 Resp: 7020
Ion Ratio Lower Upper
43 100
61 19.4 10.6 15.8#
70 5.3 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 1.269 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 117 Resp: 4817
Ion Ratio Lower Upper
117 100
119 83.8 73.8 110.8
121 34.3 23.6 35.4

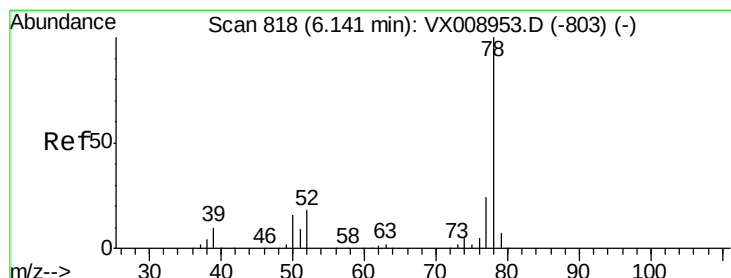
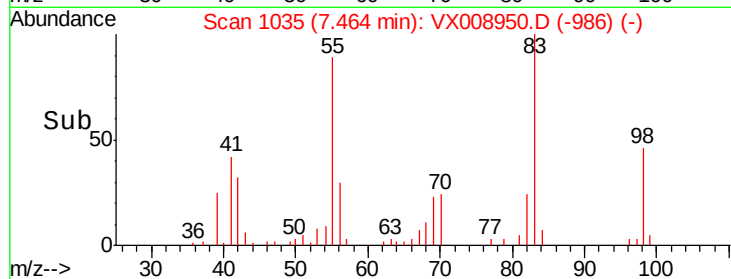
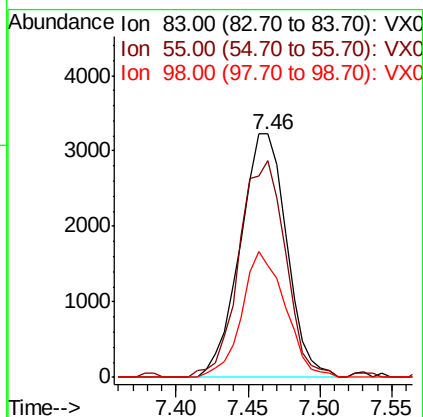
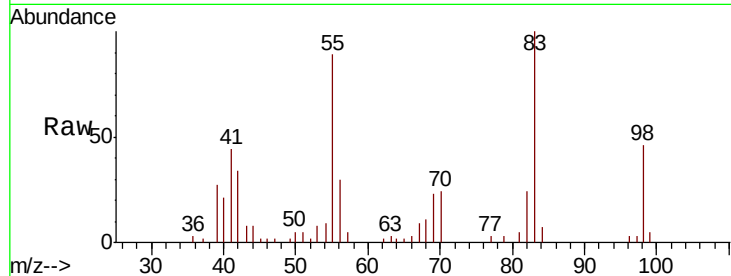




#39
Methylvlcyclohexane
Concen: 1.278 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

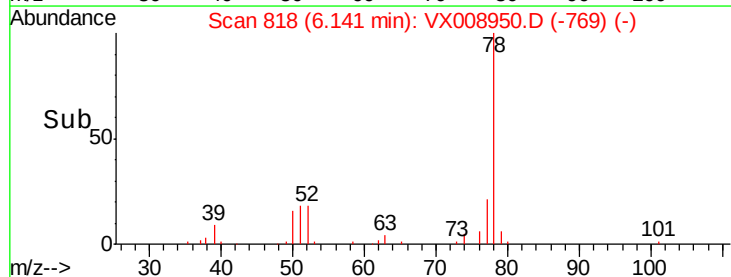
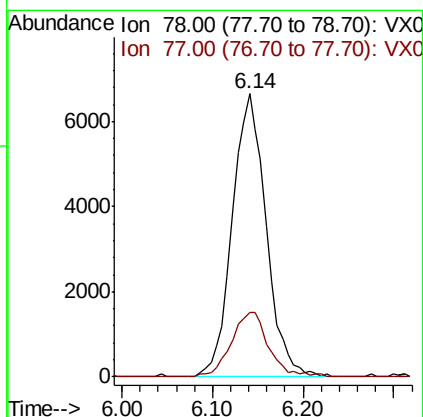
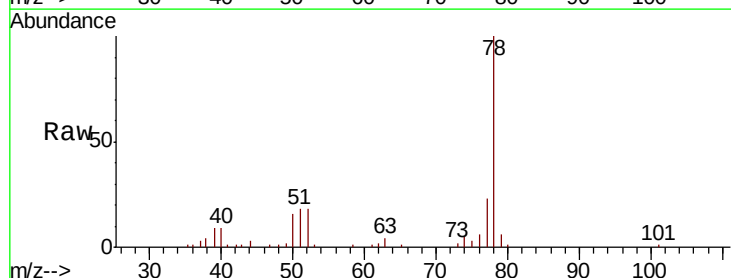
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

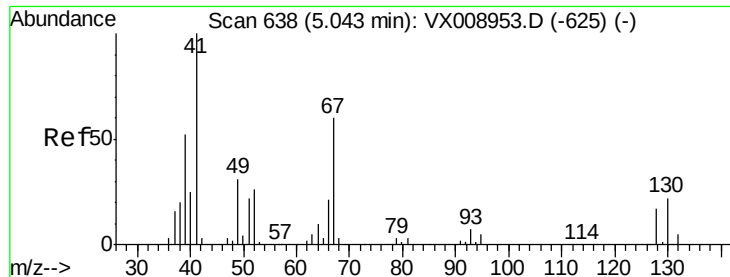
Tot Ion: 83 Resp: 7236
Ion Ratio Lower Upper
83 100
55 88.8 67.1 100.7
98 45.7 35.1 52.7



#40
Benzene
Concen: 1.263 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 78 Resp: 17225
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6





#41

Methacrylonitrile

Concen: 1.134 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 3979

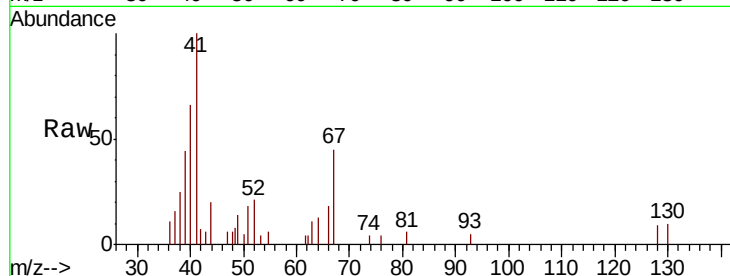
Ion Ratio Lower Upper

41 100

39 65.2 41.8 62.6#

67 62.5 50.2 75.4

52 39.4 21.1 31.7#

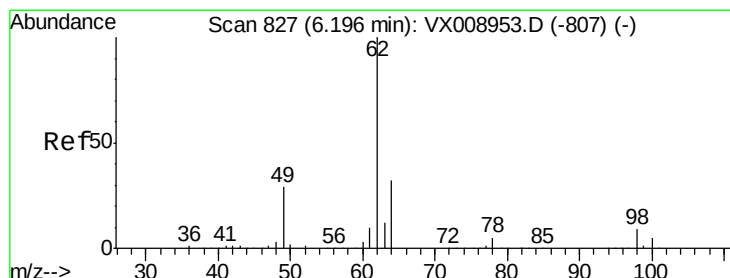
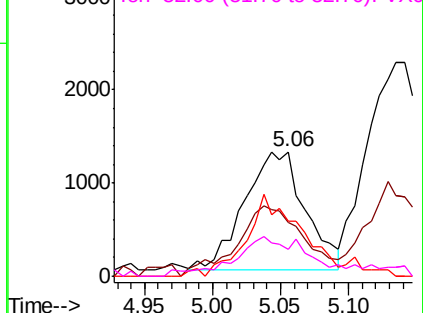
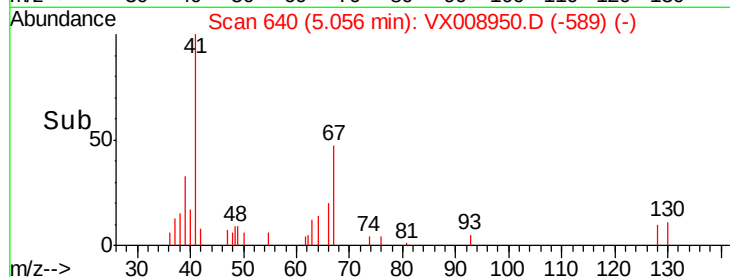


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 1.286 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008950.D

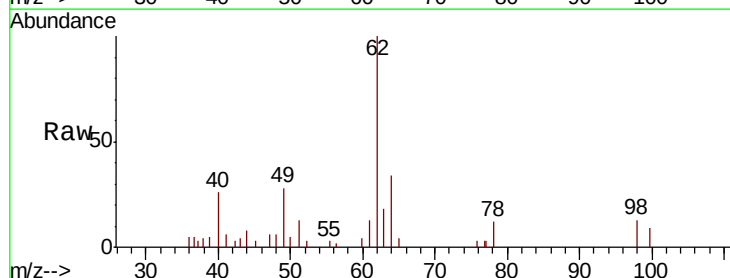
Acq: 15 Apr 2019 09:59

Tgt Ion: 62 Resp: 6284

Ion Ratio Lower Upper

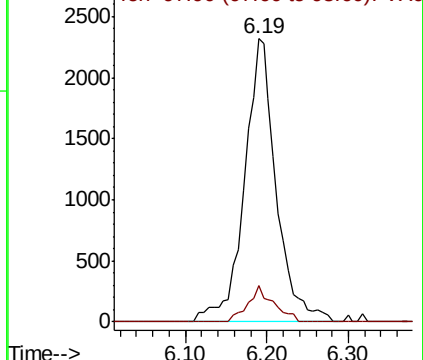
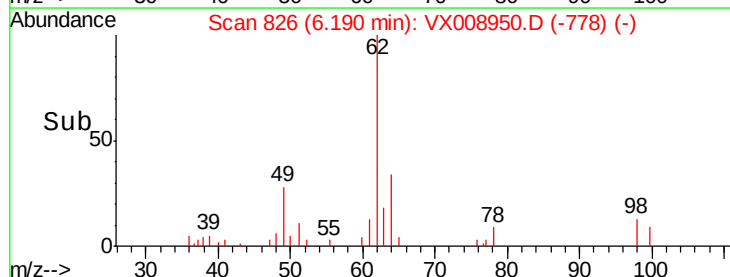
62 100

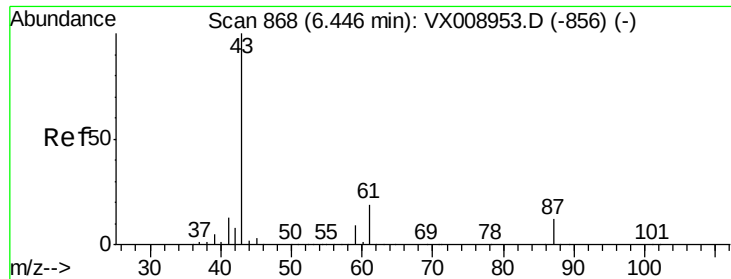
98 10.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 1.236 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

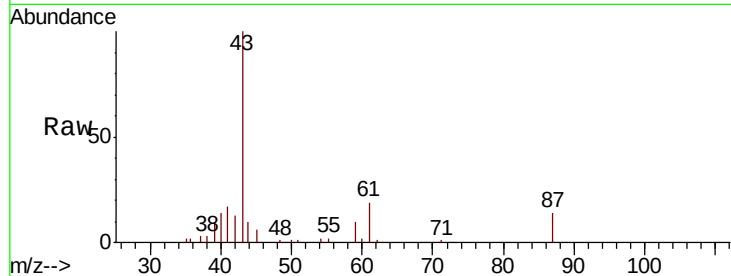
Tot Ion: 43 Resp: 11809

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.0

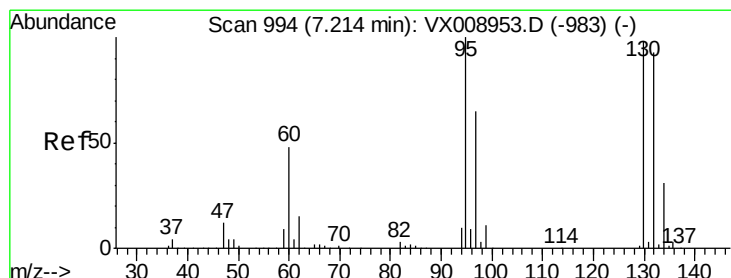
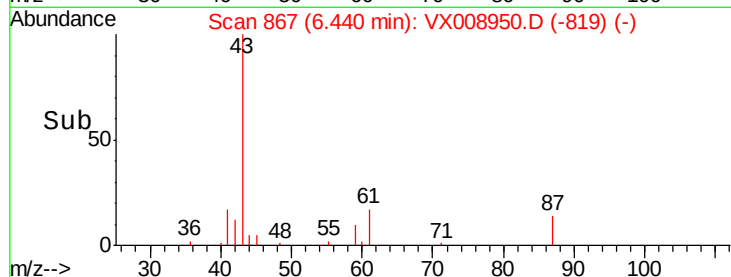
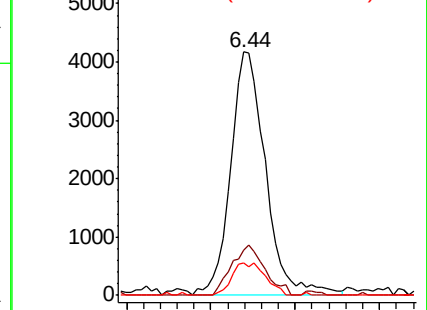
87 12.7 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 1.361 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008950.D

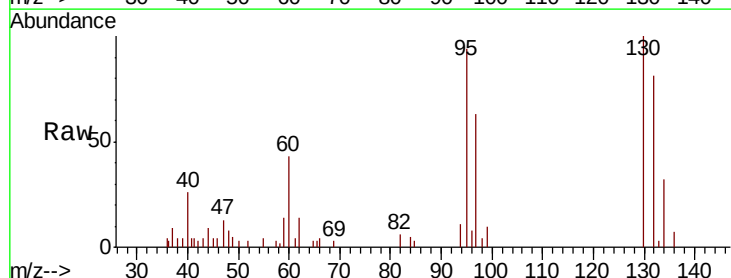
Acq: 15 Apr 2019 09:59

Tgt Ion:130 Resp: 4346

Ion Ratio Lower Upper

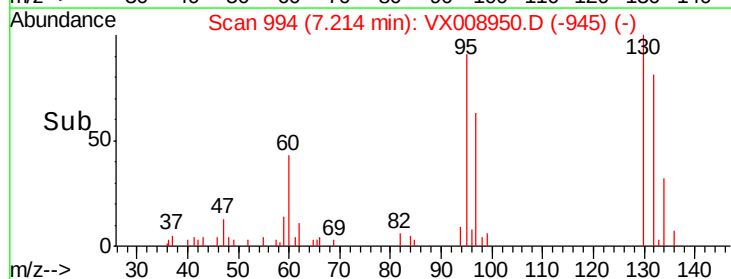
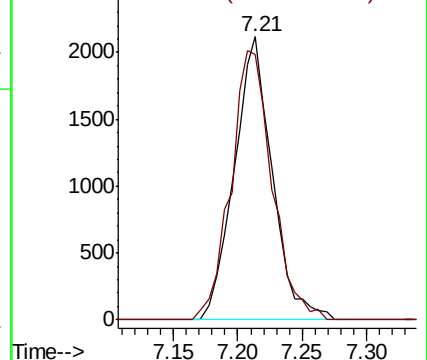
130 100

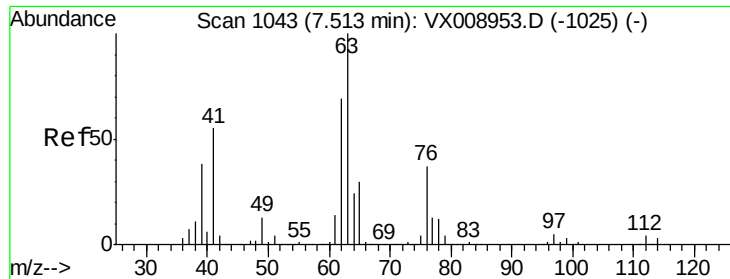
95 93.6 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

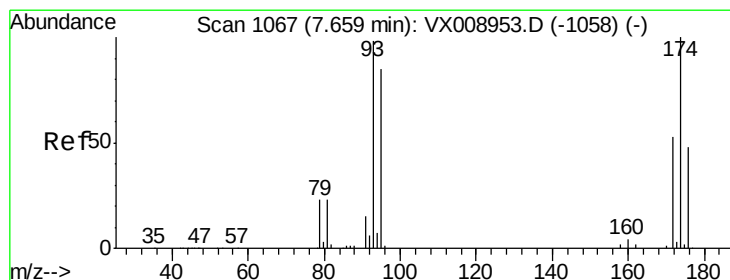
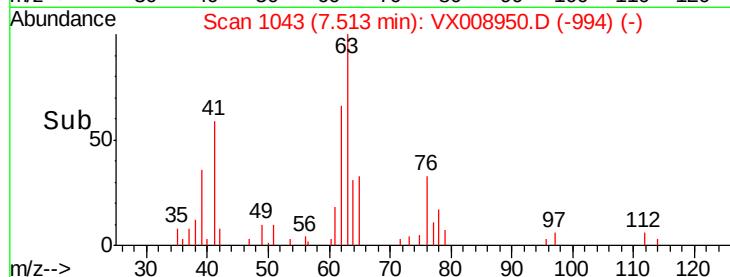
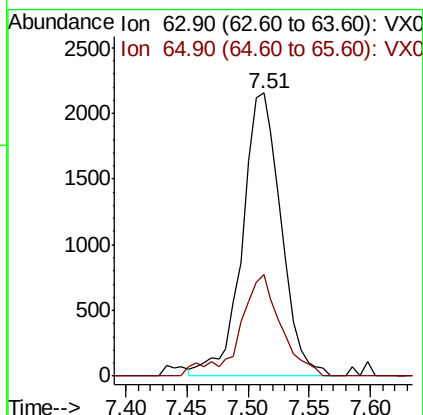
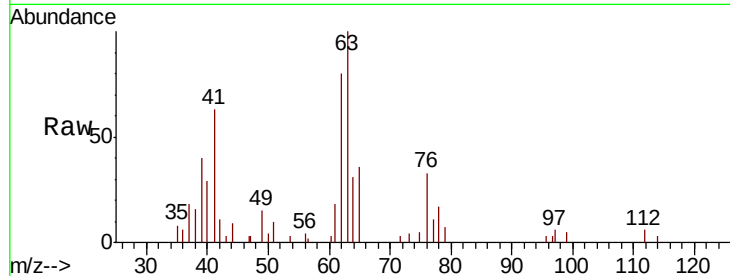




#45
 1,2-Dichloropropane
 Concen: 1.221 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

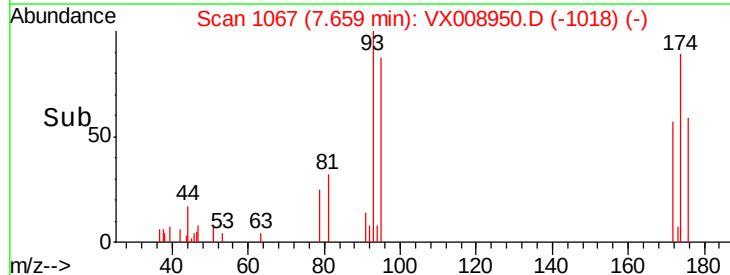
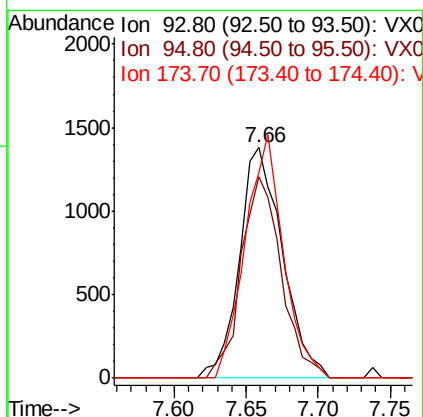
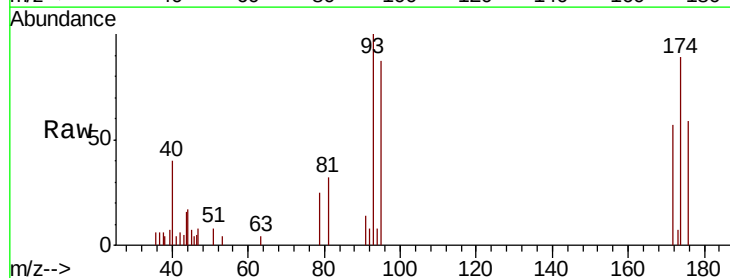
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

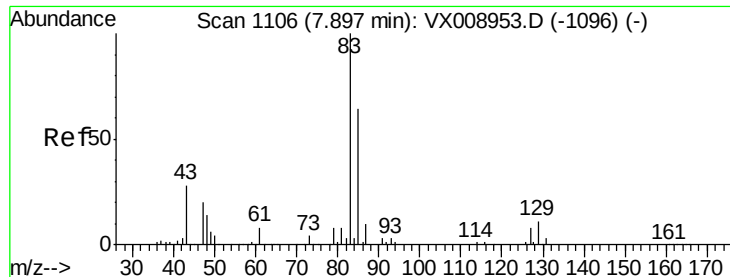
Tot Ion: 63 Resp: 4735
 Ion Ratio Lower Upper
 63 100
 65 36.0 24.1 36.1



#46
 Dibromomethane
 Concen: 1.267 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 93 Resp: 2860
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.0 100.4
 174 93.8 81.6 122.4





#47

Bromodichloromethane

Concen: 1.242 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

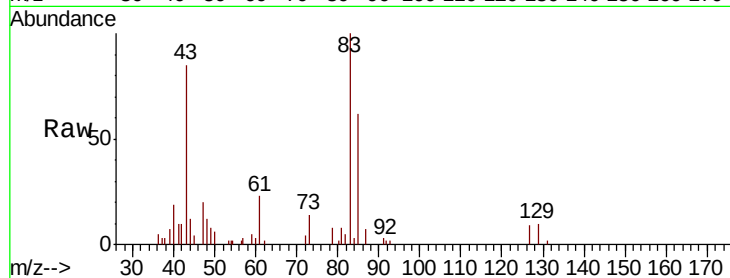
Tot Ion: 83 Resp: 5287

Ion Ratio Lower Upper

83 100

85 62.4 50.8 76.2

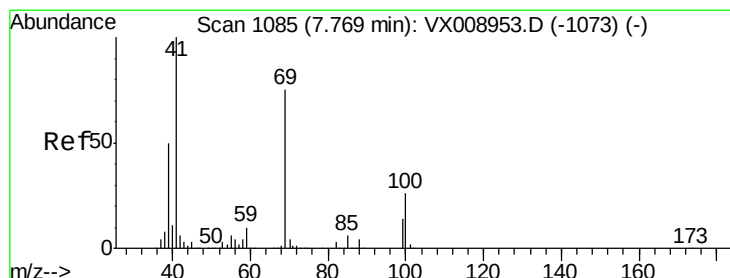
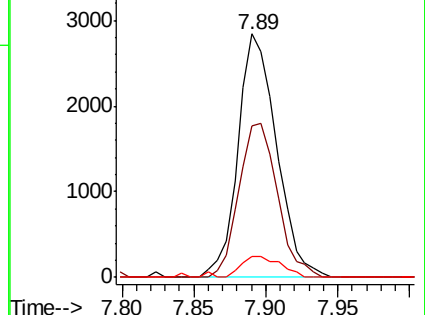
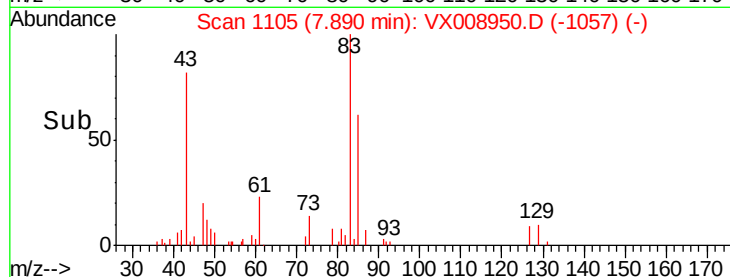
127 8.5 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.163 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

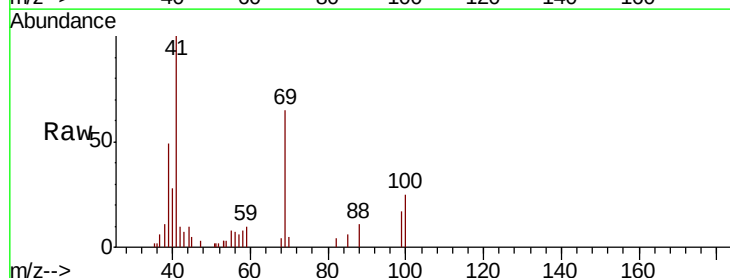
Tgt Ion: 41 Resp: 5608

Ion Ratio Lower Upper

41 100

69 74.8 59.4 89.2

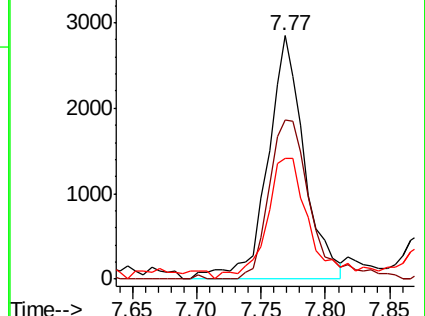
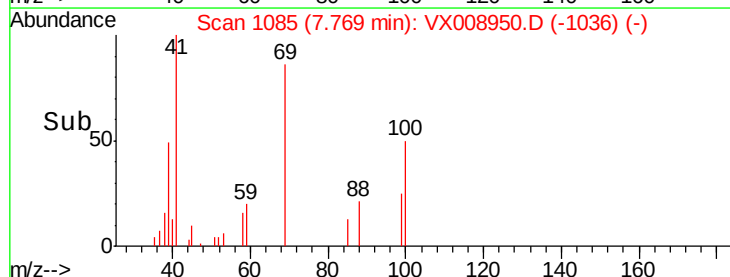
39 59.9 39.8 59.6#

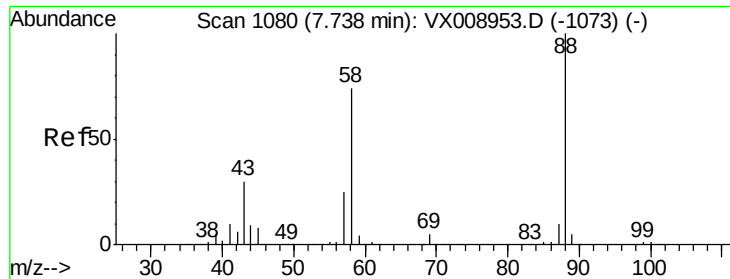


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

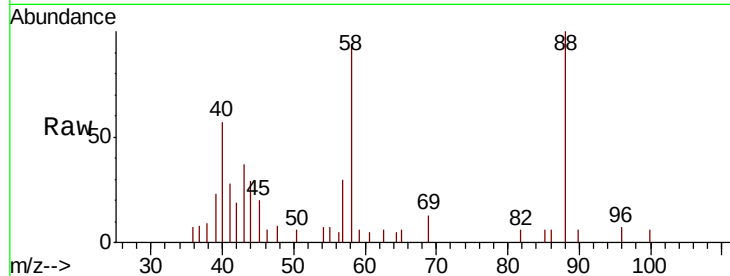




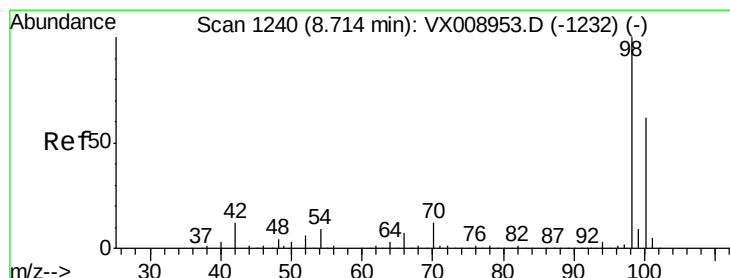
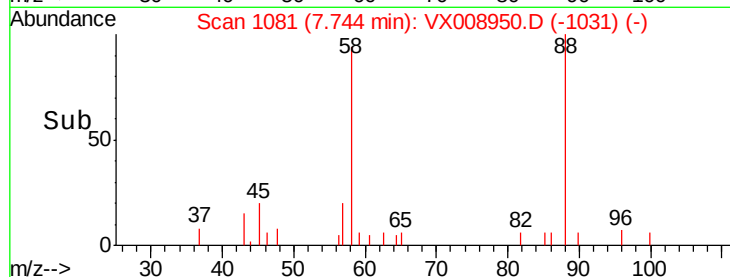
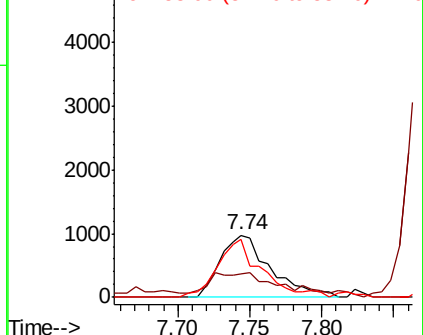
#49
1,4-Dioxane
Concen: 26.345 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 88 Resp: 2363
Ion Ratio Lower Upper
88 100
43 58.9 29.3 43.9#
58 81.8 62.6 93.8

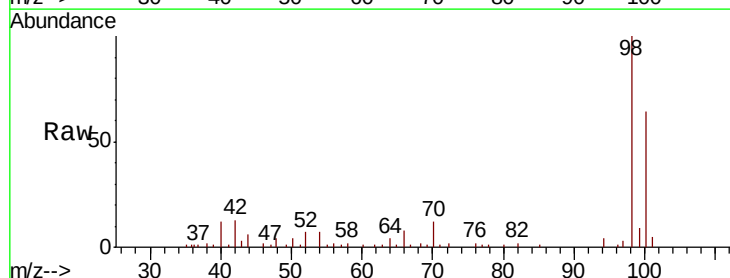


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

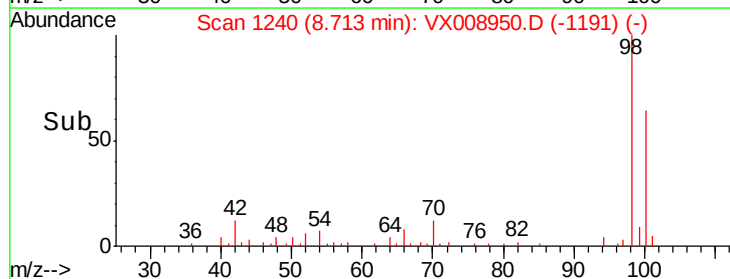
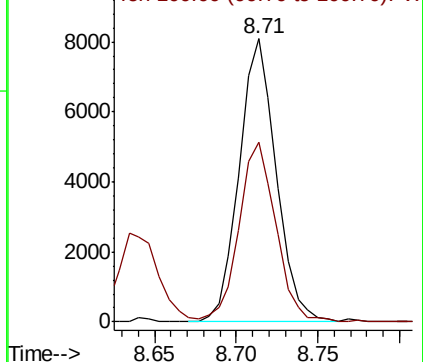


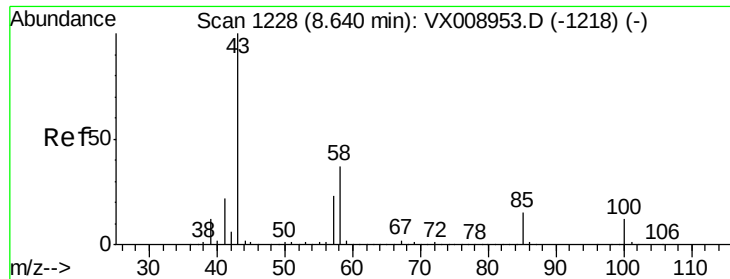
#50
Toluene-d8
Concen: 1.186 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 98 Resp: 12768
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 6.025 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

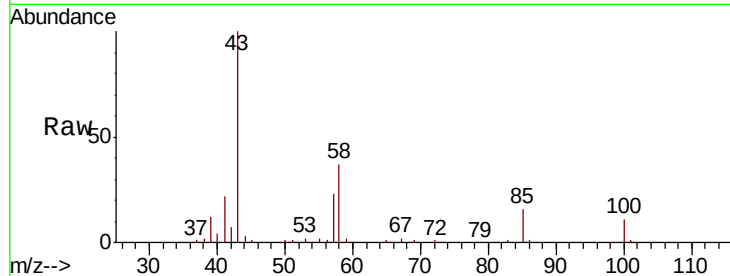
VSTDIC001

Tot Ion: 43 Resp: 36991

Ion Ratio Lower Upper

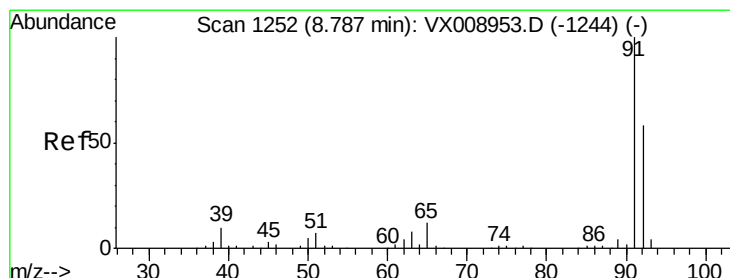
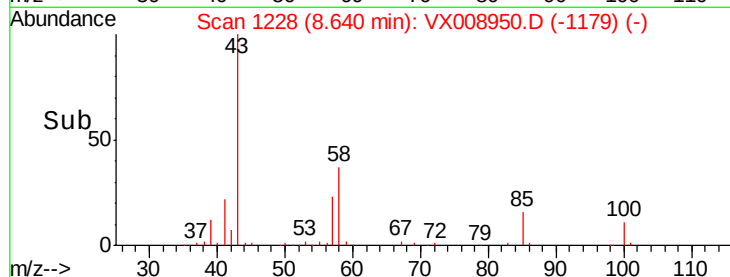
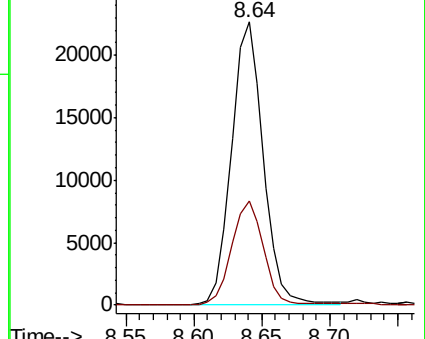
43 100

58 37.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.301 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008950.D

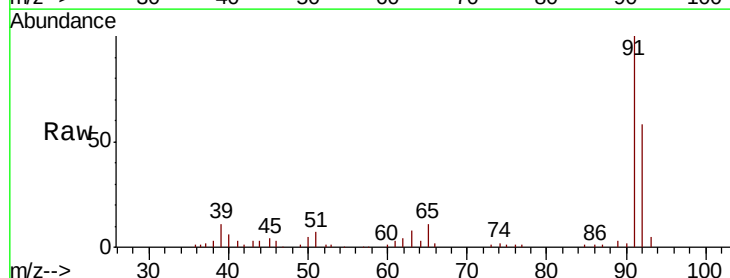
Acq: 15 Apr 2019 09:59

Tgt Ion: 92 Resp: 10458

Ion Ratio Lower Upper

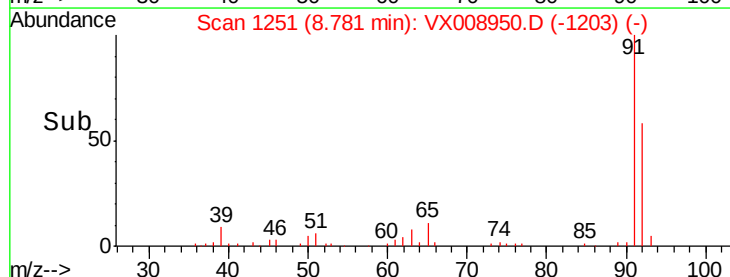
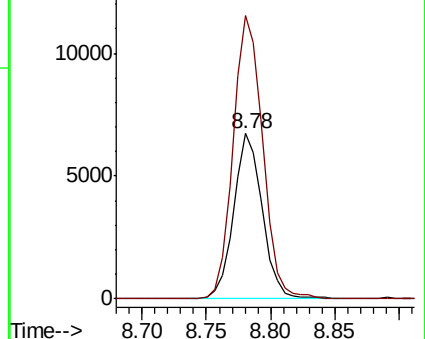
92 100

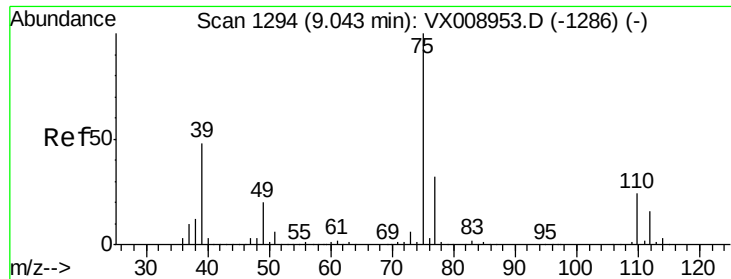
91 176.2 138.5 207.7



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: 1.144 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

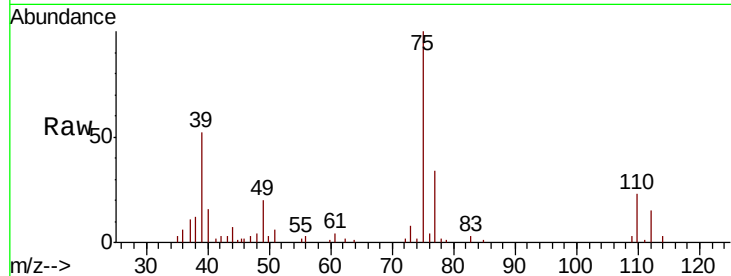
VSTDIC001

Tot Ion: 75 Resp: 5480

Ion Ratio Lower Upper

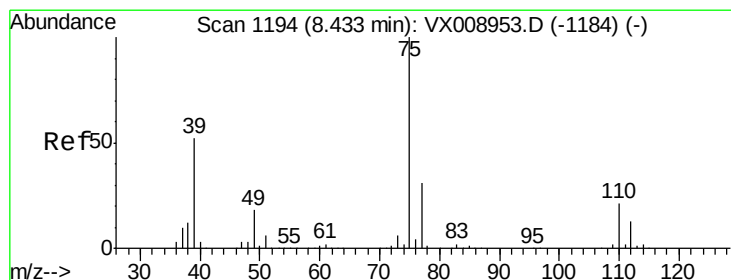
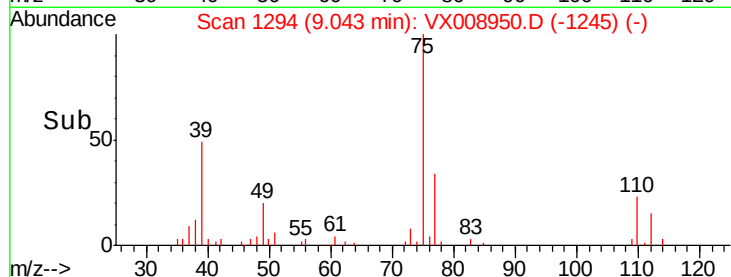
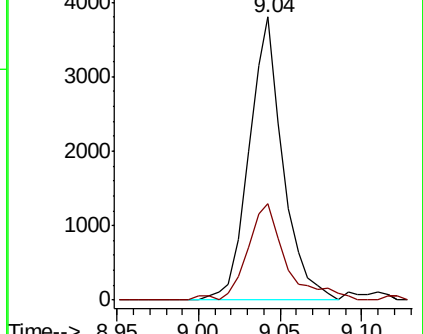
75 100

77 34.0 25.4 38.2



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: 1.168 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

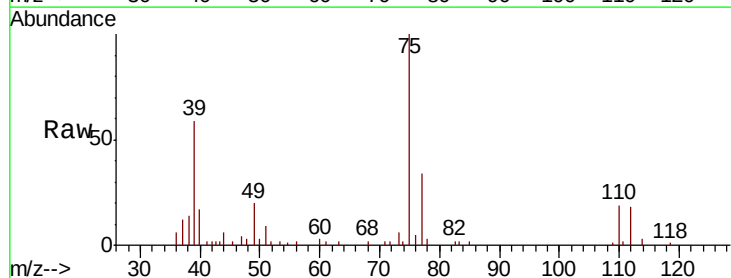
Tgt Ion: 75 Resp: 6370

Ion Ratio Lower Upper

75 100

77 34.0 24.8 37.2

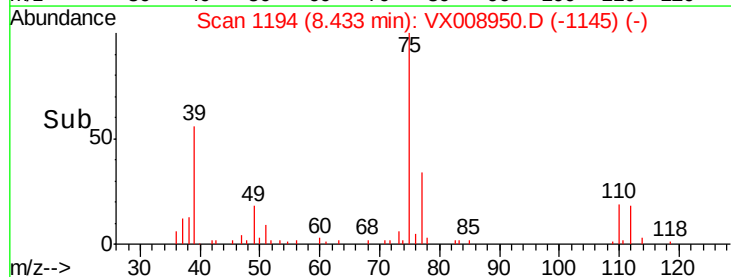
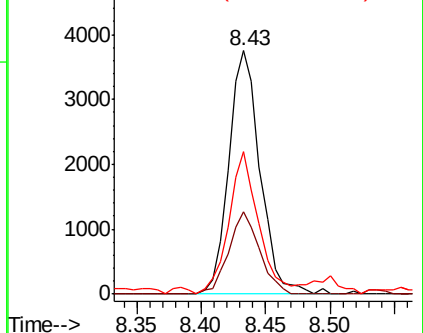
39 57.0 41.8 62.6

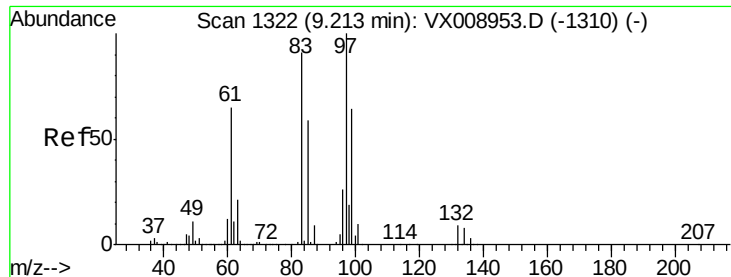


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

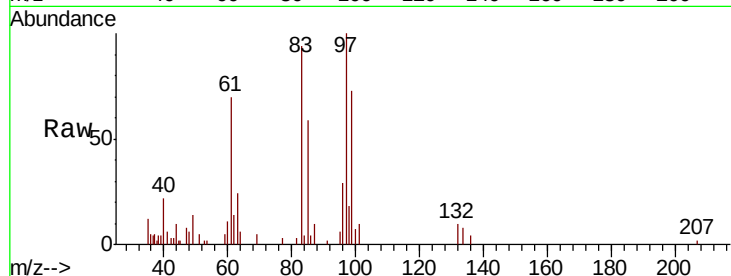




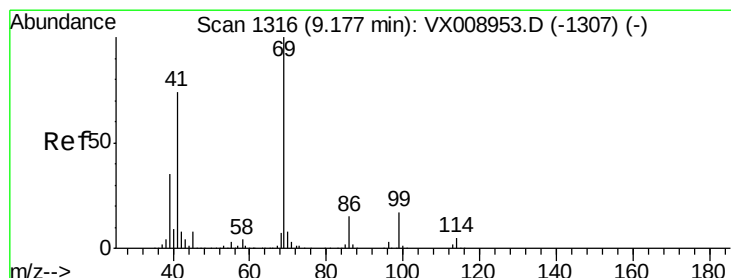
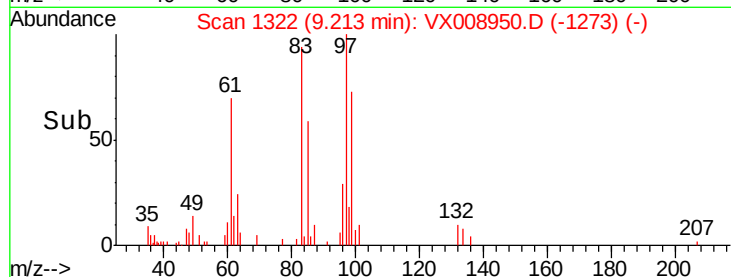
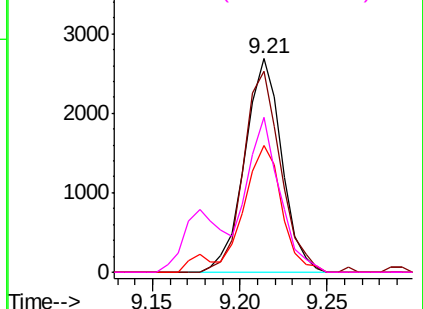
#55
 1,1,2-Trichloroethane
 Concen: 1.236 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	3992
Ion	Ratio	Lower	Upper
97	100		
83	94.2	72.6	108.8
85	59.4	46.9	70.3
99	72.7	51.0	76.6

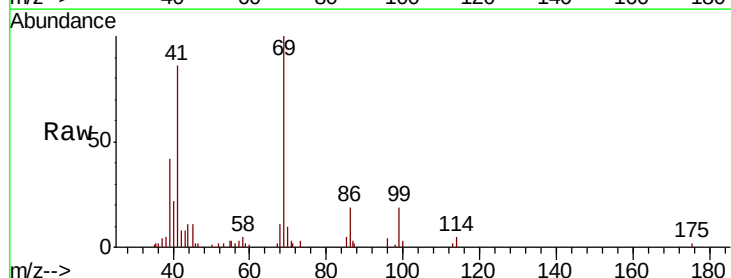


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

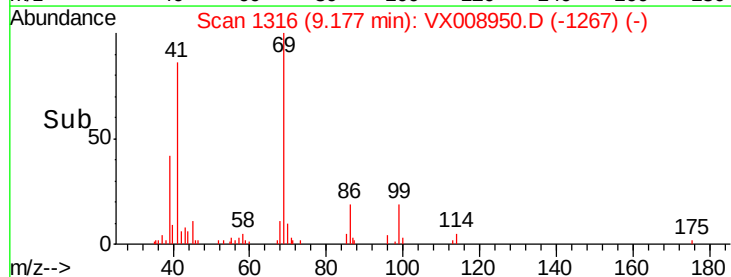
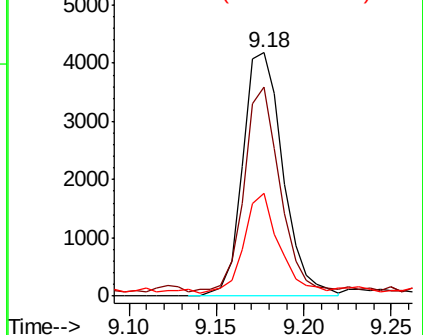


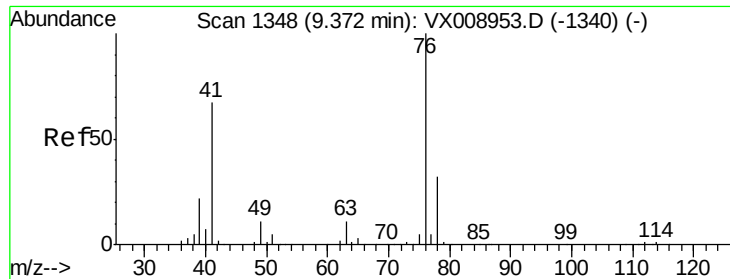
#56
 Ethyl methacrylate
 Concen: 1.153 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion:	69	Resp:	6710
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.2	90.2
39	35.2	27.9	41.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

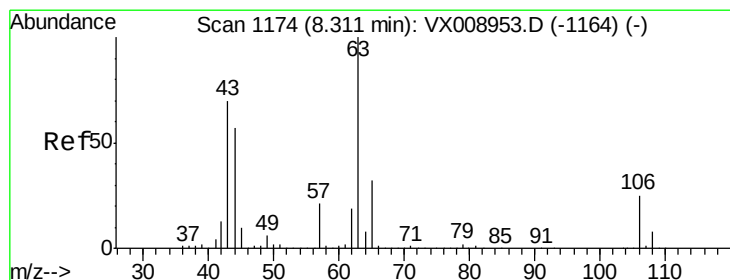
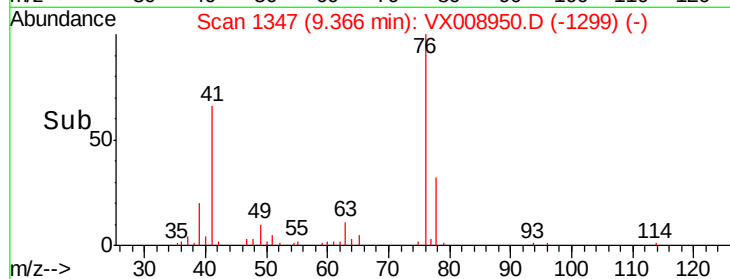
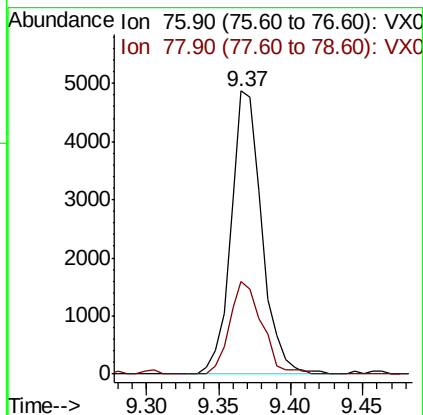
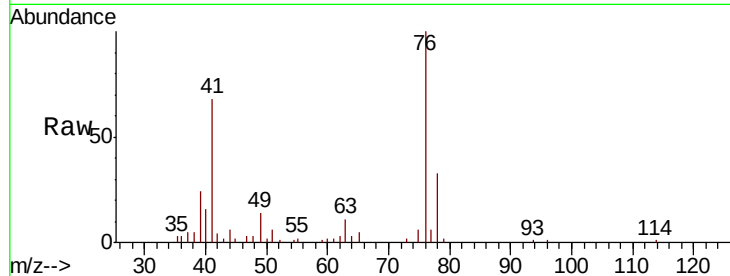




#57
 1,3-Dichloropropane
 Concen: 1.259 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

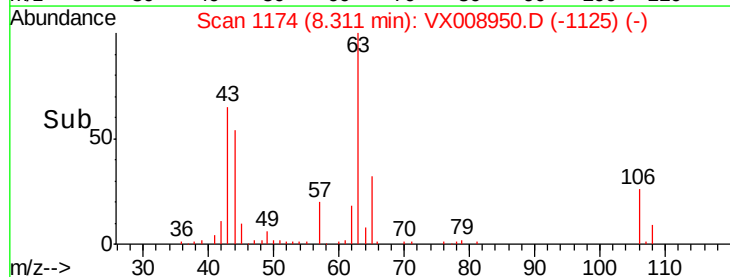
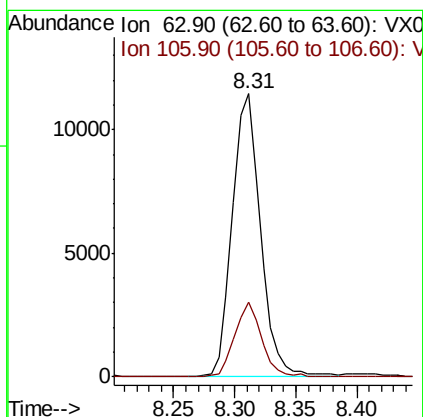
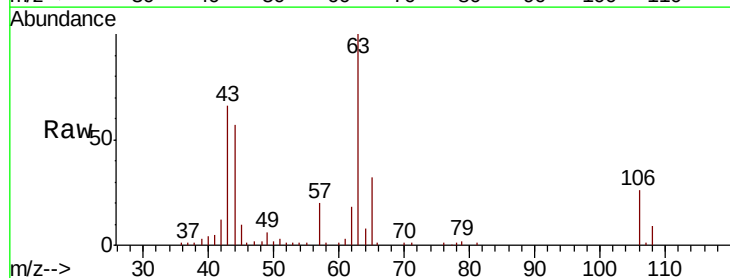
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

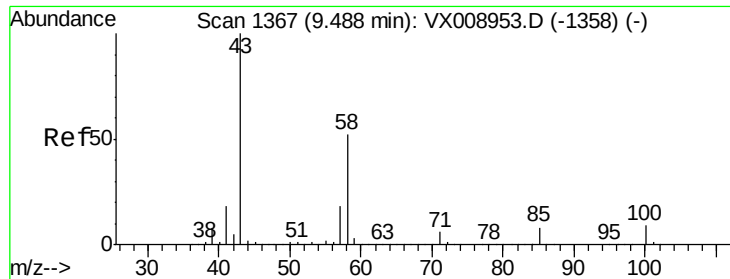
Tot Ion: 76 Resp: 7280
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 6.108 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 63 Resp: 18333
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.6





#59

2-Hexanone

Concen: 5.896 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

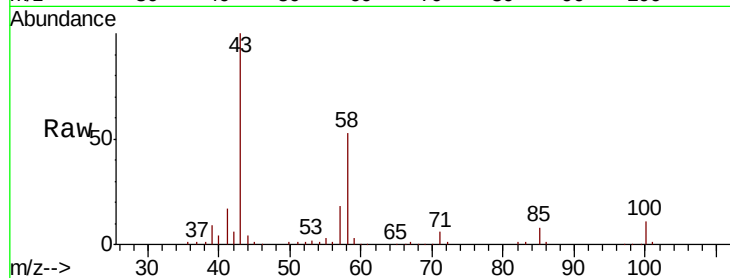
VSTDIC001

Tot Ion: 43 Resp: 28146

Ion Ratio Lower Upper

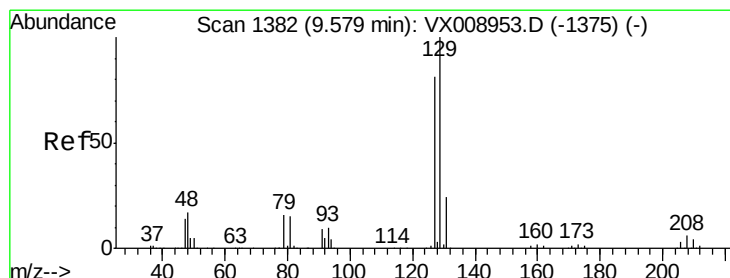
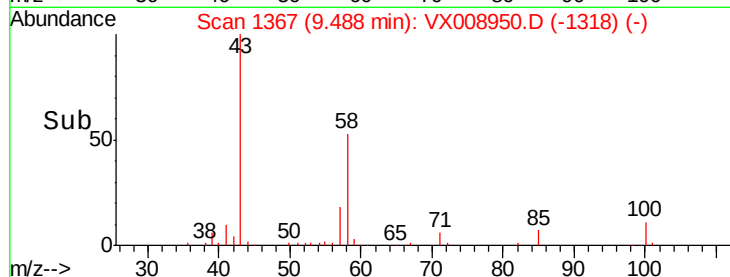
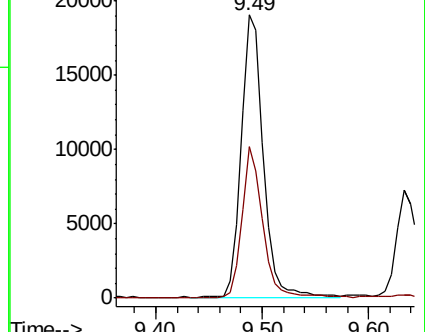
43 100

58 49.6 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX008950.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VX008950.D (-1358) (-)



#60

Dibromochloromethane

Concen: 1.190 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008950.D

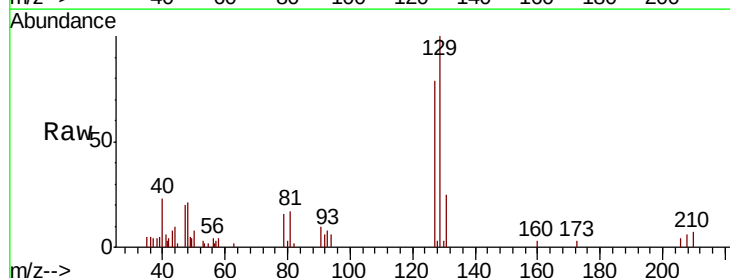
Acq: 15 Apr 2019 09:59

Tgt Ion: 129 Resp: 3629

Ion Ratio Lower Upper

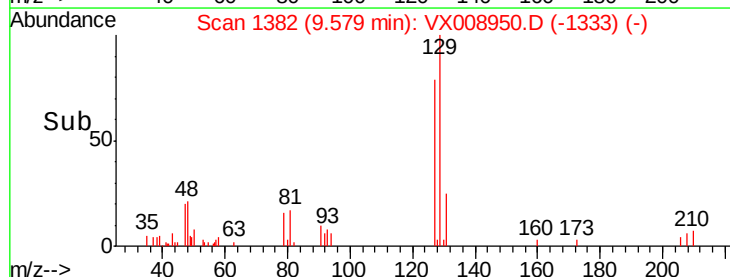
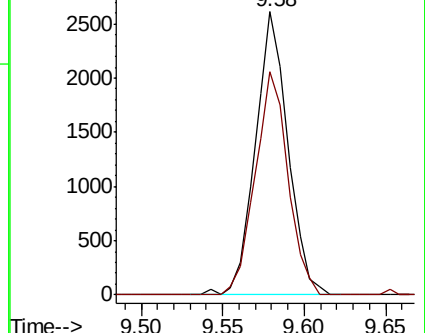
129 100

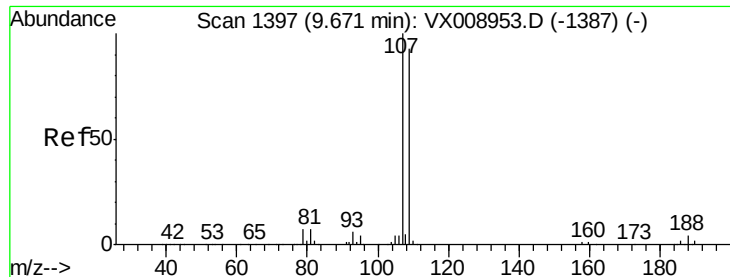
127 79.6 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): VX008950.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX008950.D (-1333) (-)





#61

1,2-Dibromoethane

Concen: 1.193 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

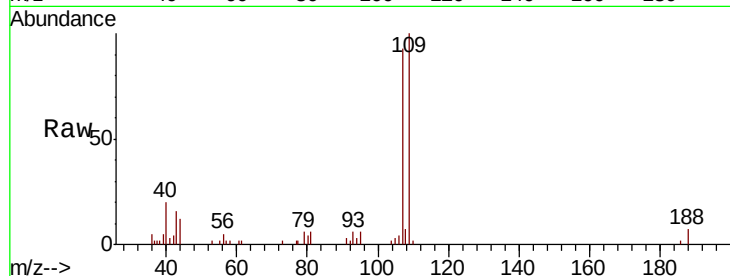
VSTDIC001

Tot Ion:107 Resp: 4008

Ion Ratio Lower Upper

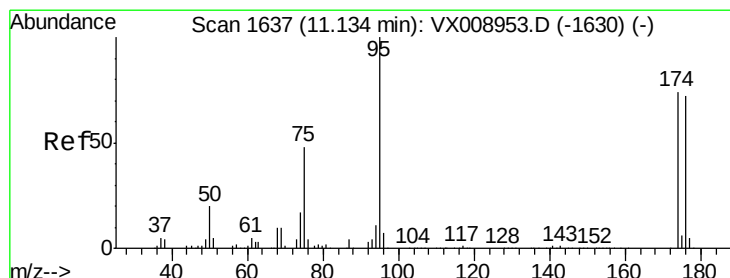
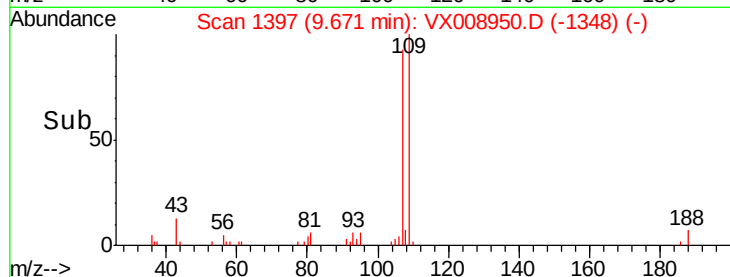
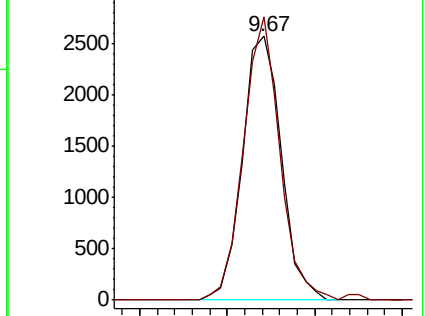
107 100

109 100.1 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.223 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

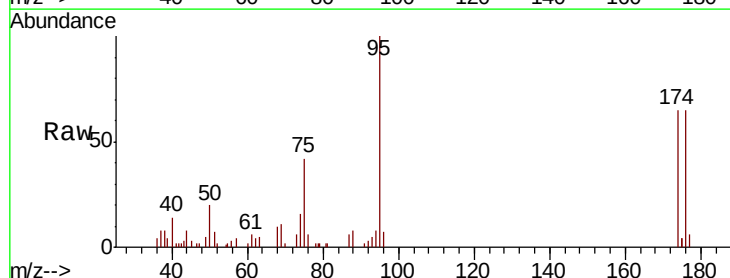
Tgt Ion: 95 Resp: 4668

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.6

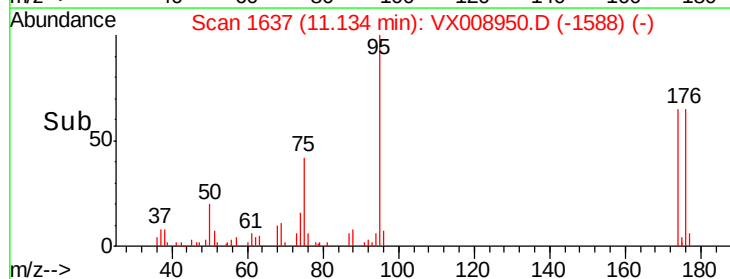
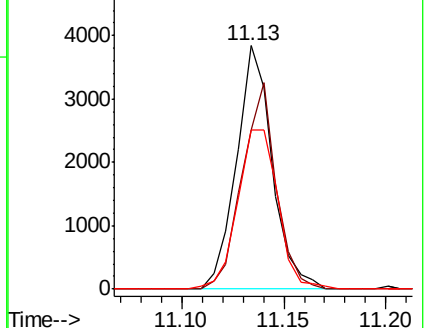
176 74.2 0.0 154.8

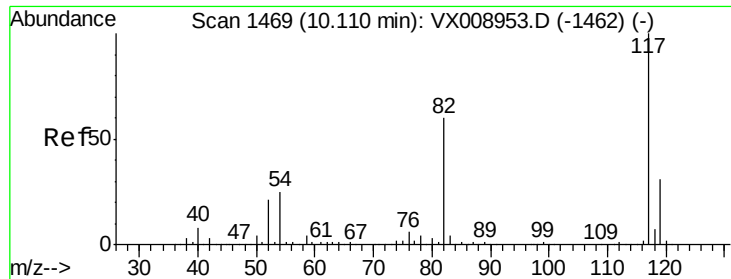


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

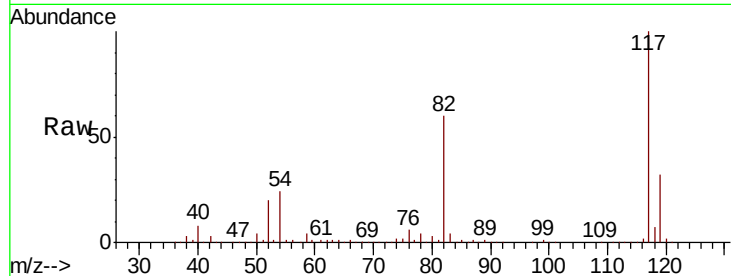




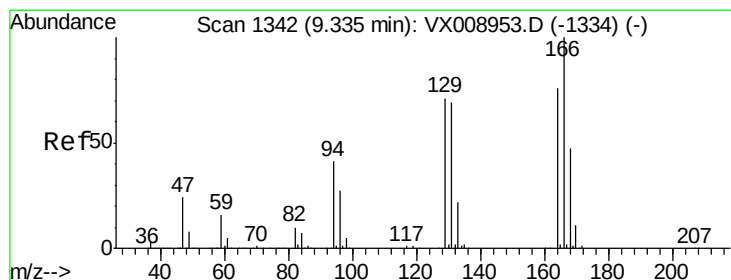
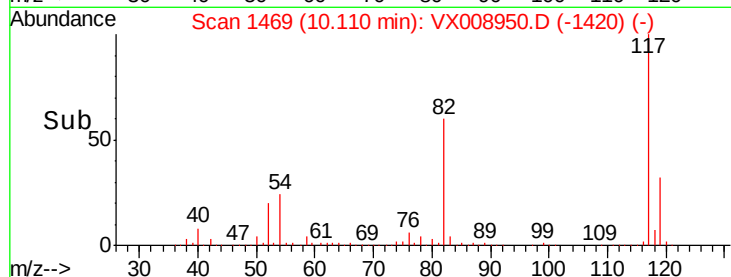
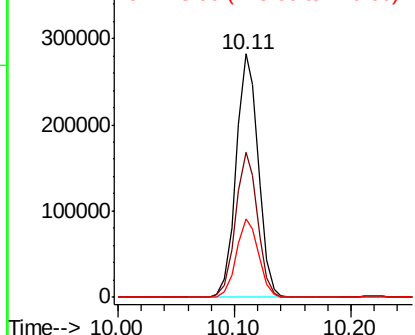
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 374694
Ion Ratio Lower Upper
117 100
82 59.8 48.2 72.4
119 32.1 25.0 37.6

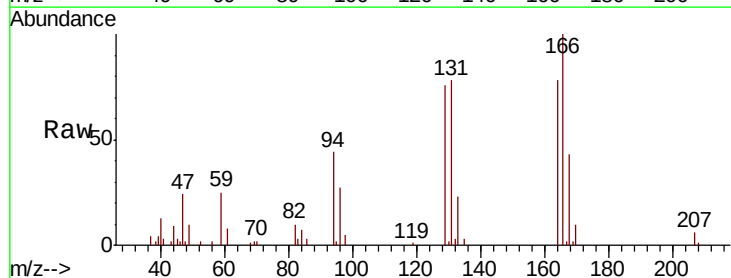


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

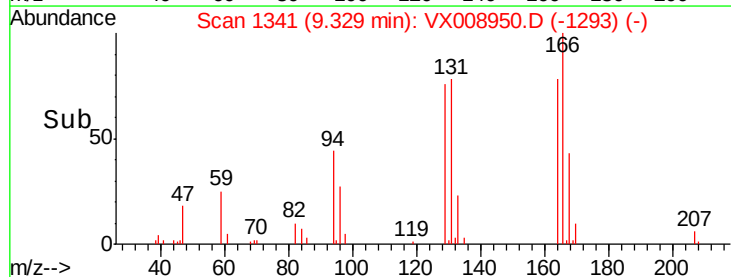
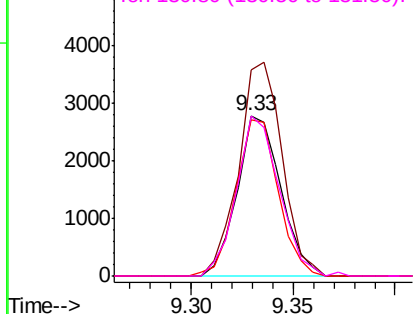


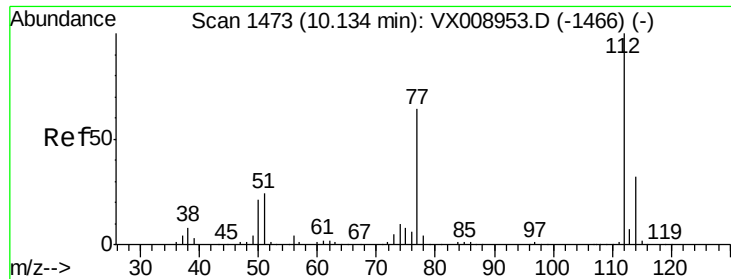
#64
Tetrachloroethene
Concen: 1.489 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion:164 Resp: 4115
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.4
129 97.6 74.2 111.4
131 100.0 72.2 108.2



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





#65

Chlorobenzene

Concen: 1.322 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

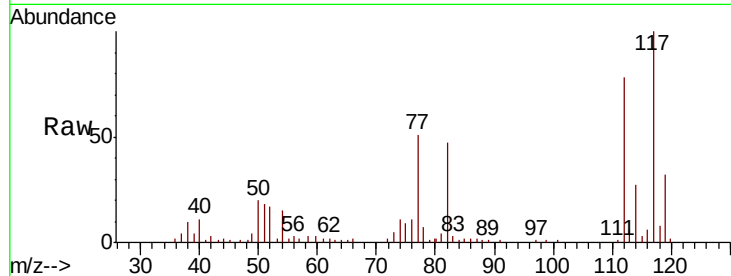
VSTDIC001

Tot Ion:112 Resp: 10795

Ion Ratio Lower Upper

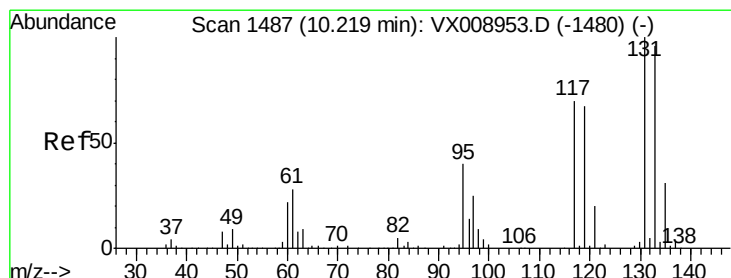
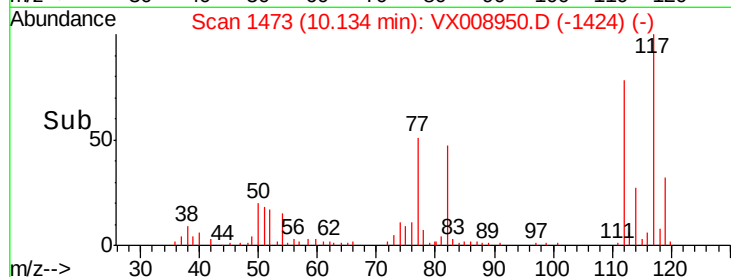
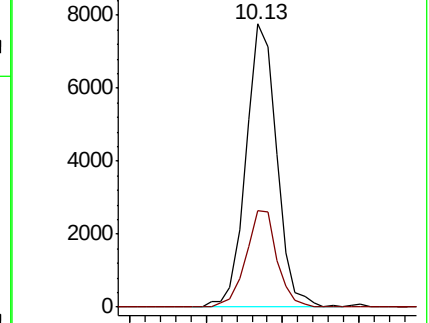
112 100

114 34.3 25.4 38.0



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: 1.236 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

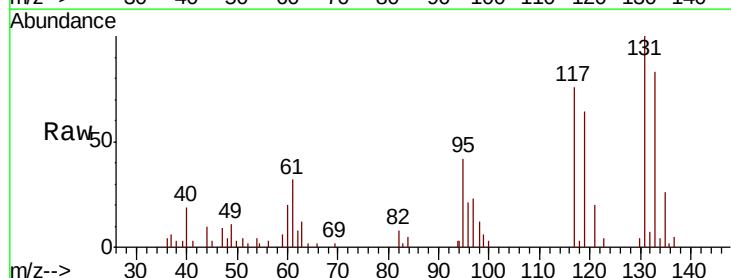
Tgt Ion:131 Resp: 3539

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

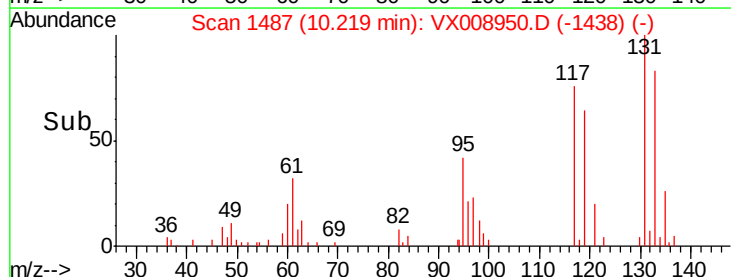
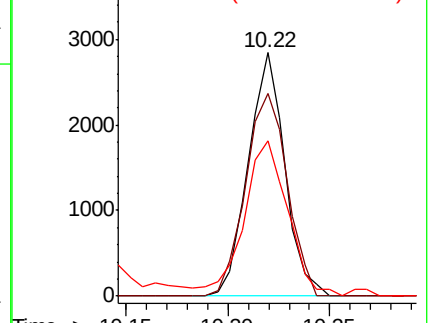
119 0.0 33.7 101.1#

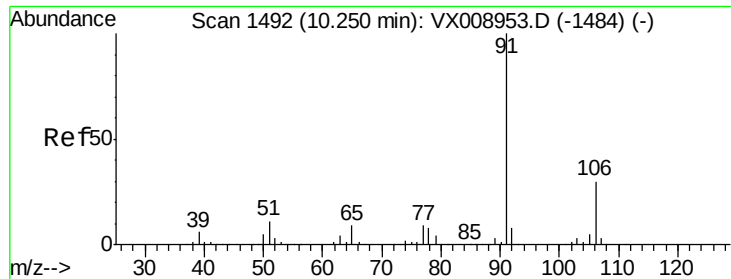


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.297 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

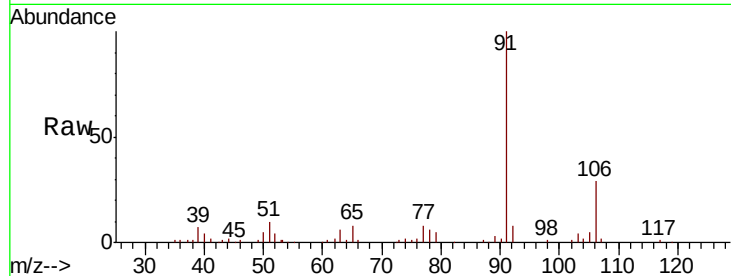
VSTDIC001

Tot Ion: 91 Resp: 19689

Ion Ratio Lower Upper

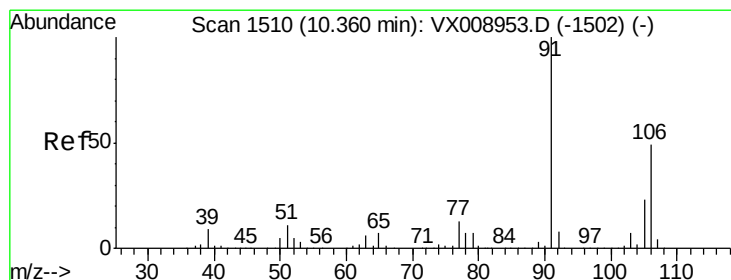
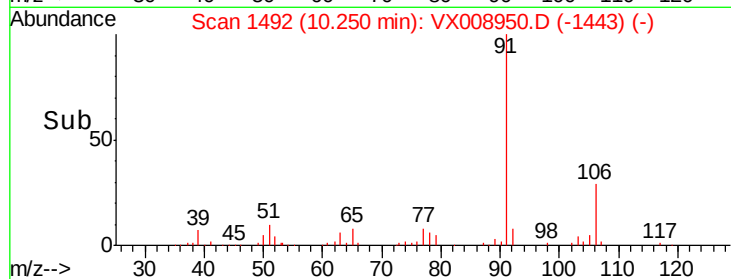
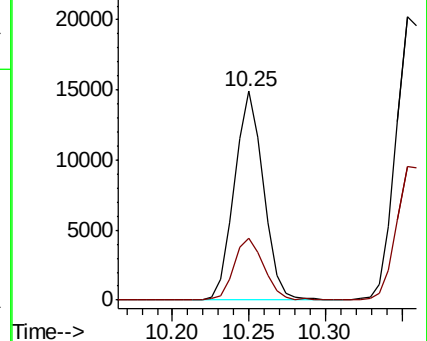
91 100

106 29.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.525 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008950.D

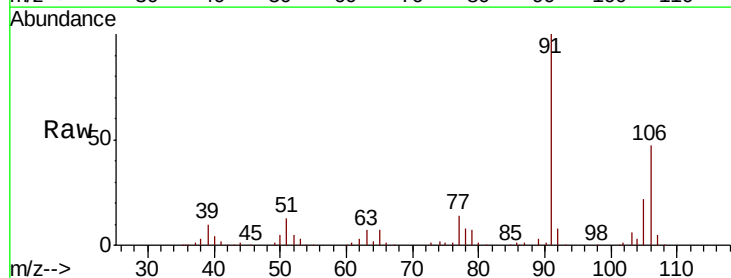
Acq: 15 Apr 2019 09:59

Tgt Ion:106 Resp: 13799

Ion Ratio Lower Upper

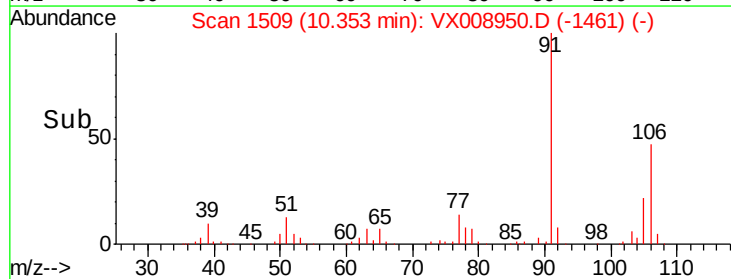
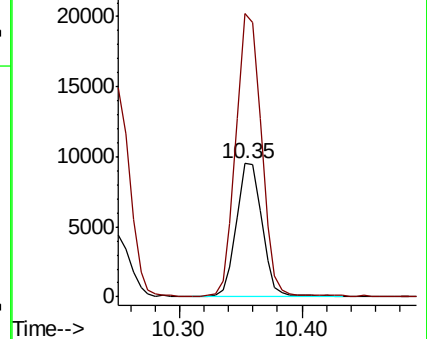
106 100

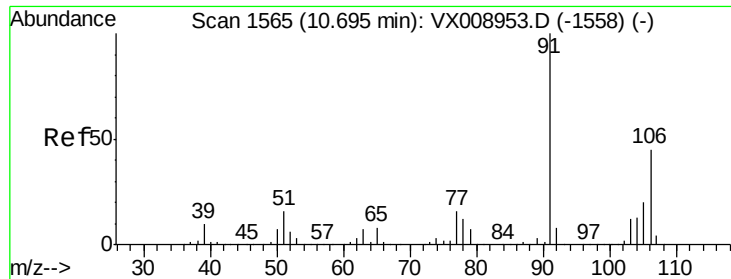
91 209.0 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

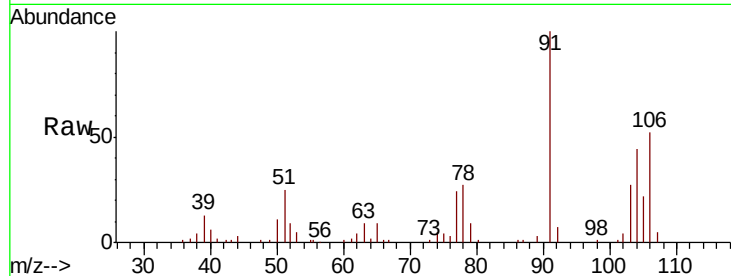




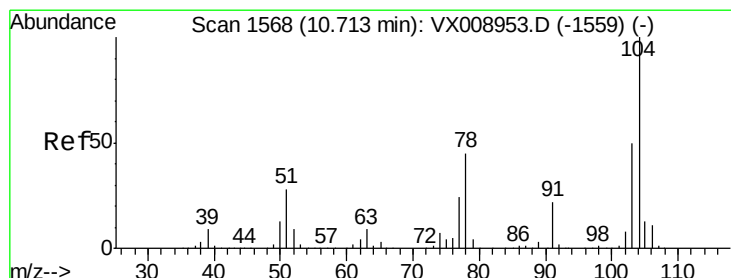
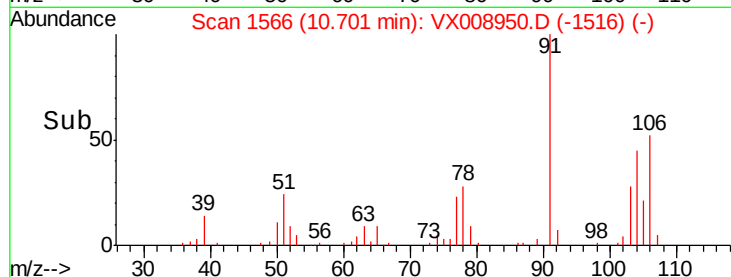
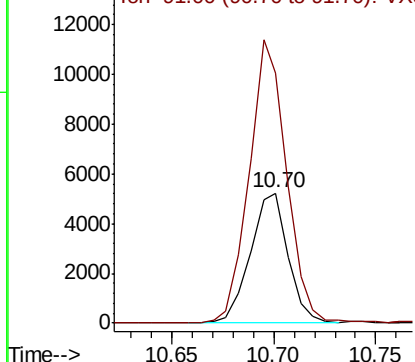
#69
o-Xylene
Concen: 1.272 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 6738
Ion Ratio Lower Upper
106 100
91 215.5 108.9 326.7

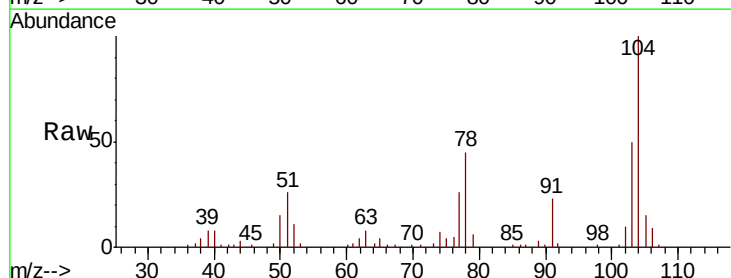


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

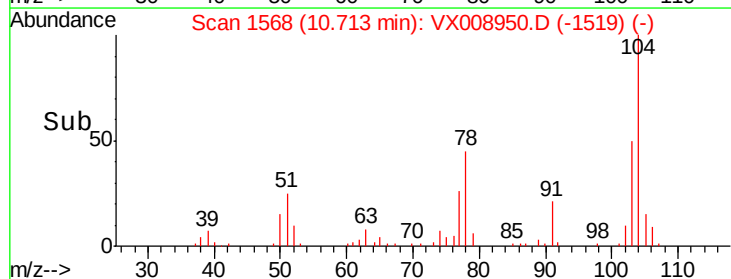
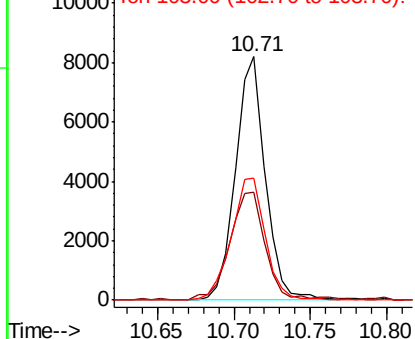


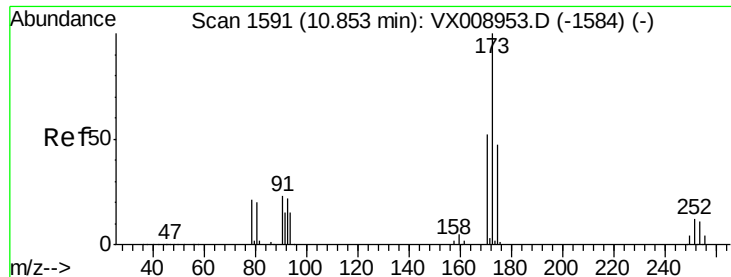
#70
Styrene
Concen: 1.211 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion:104 Resp: 11064
Ion Ratio Lower Upper
104 100
78 53.1 41.2 61.8
103 57.4 43.9 65.9



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





#71

Bromoform

Concen: 1.242 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

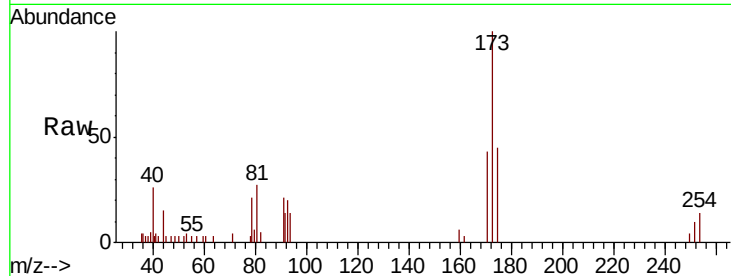
Tot Ion:173 Resp: 2729

Ion Ratio Lower Upper

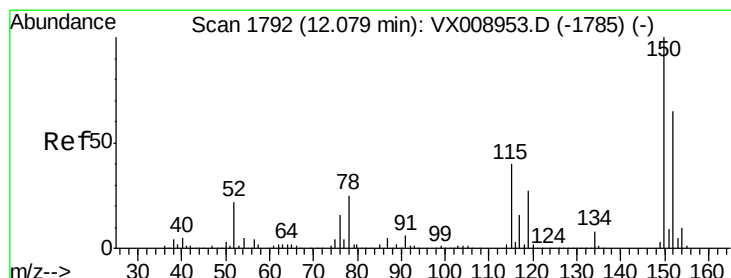
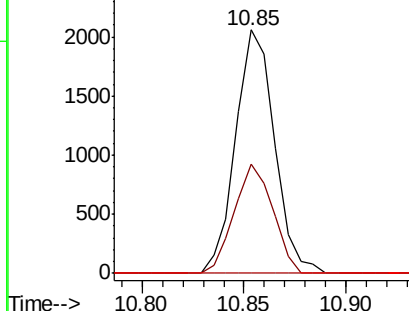
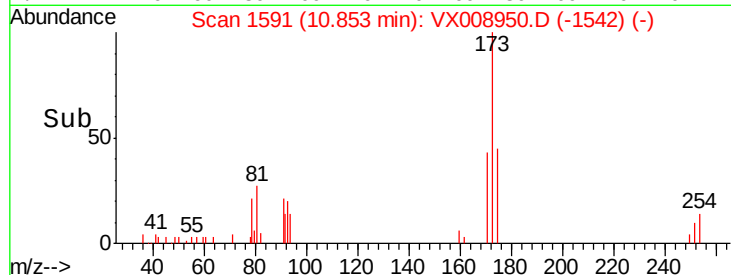
173 100

175 44.3 23.9 71.8

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

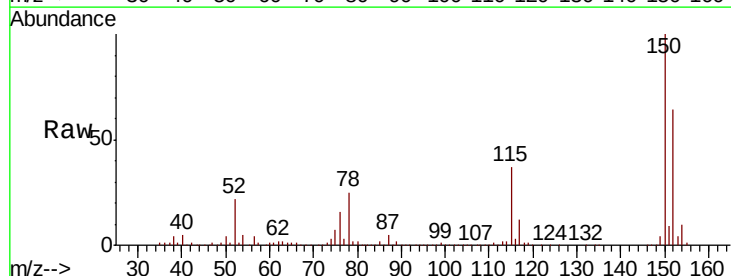
Tgt Ion:152 Resp: 176354

Ion Ratio Lower Upper

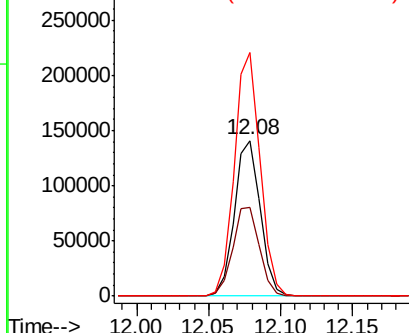
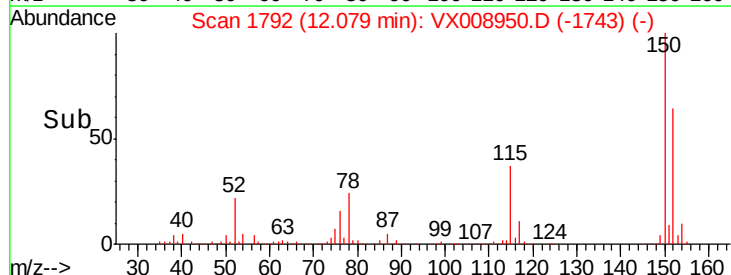
152 100

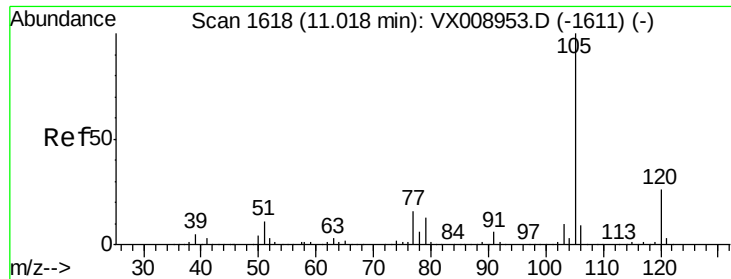
115 59.4 41.4 124.2

150 156.4 0.0 349.8



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

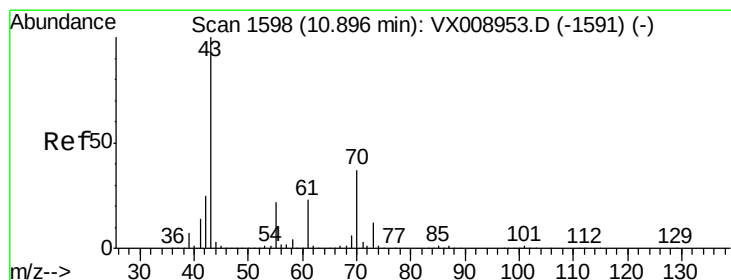
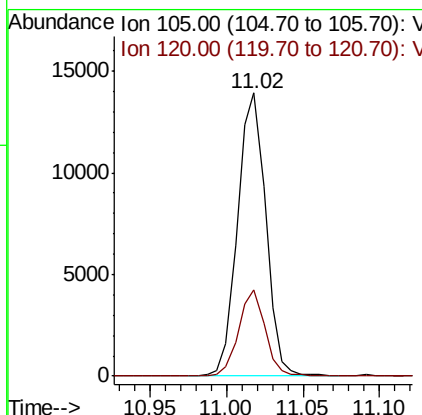
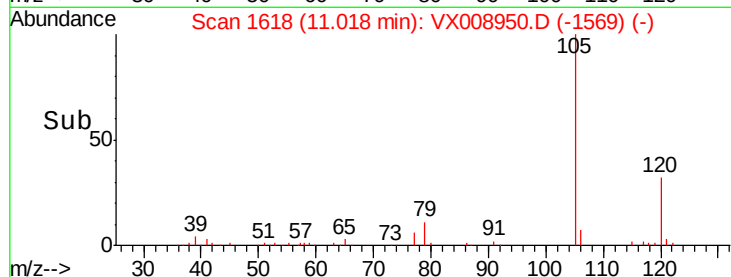
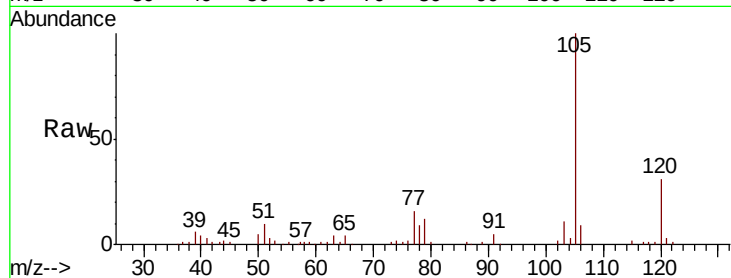




#73
Isopropylbenzene
Concen: 1.246 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

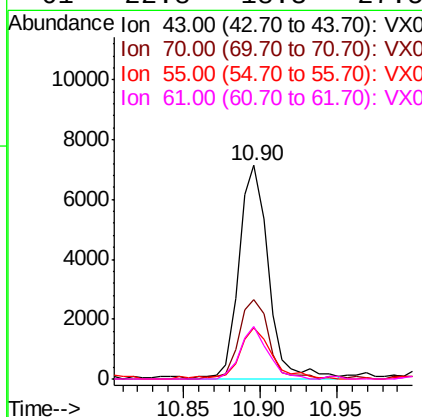
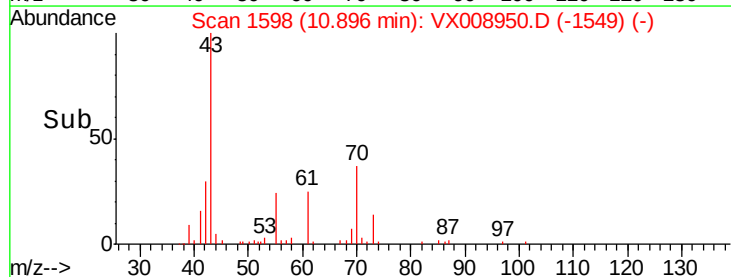
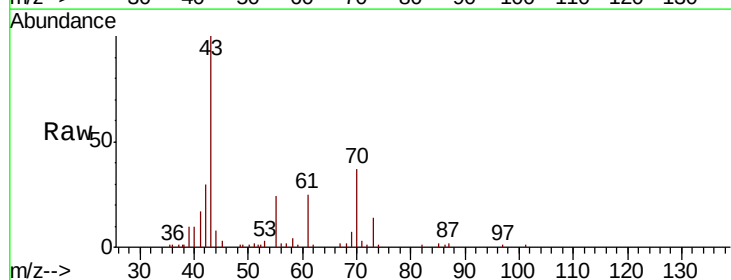
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

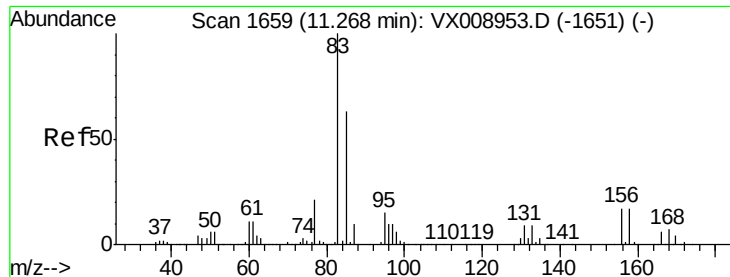
Tot Ion:105 Resp: 17793
Ion Ratio Lower Upper
105 100
120 28.6 12.9 38.7



#74
N-ethyl acetate
Concen: 1.145 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008950.D
Acq: 15 Apr 2019 09:59

Tgt Ion: 43 Resp: 9614
Ion Ratio Lower Upper
43 100
70 37.7 29.9 44.9
55 26.7 17.8 26.8
61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 1.222 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

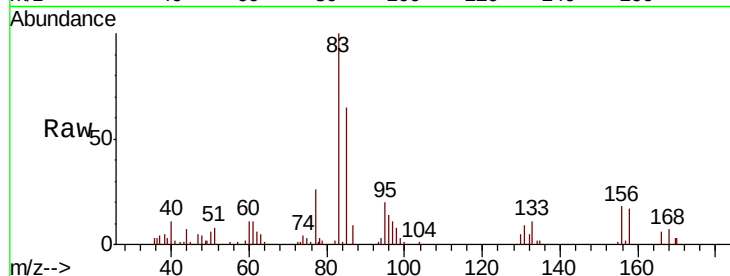
Tot Ion: 83 Resp: 6618

Ion Ratio Lower Upper

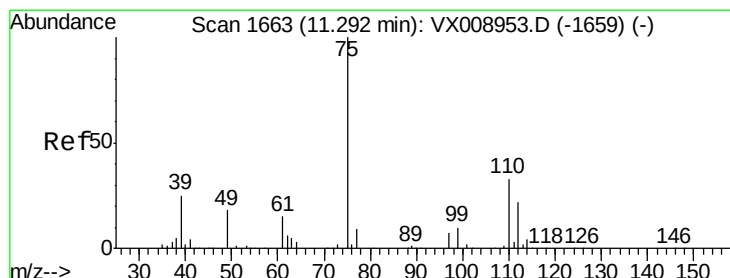
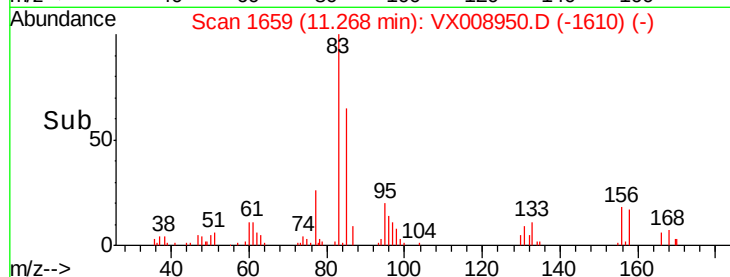
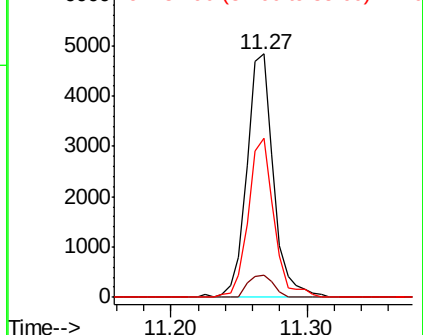
83 100

131 8.7 4.7 14.0

85 63.3 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: 1.520 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008950.D

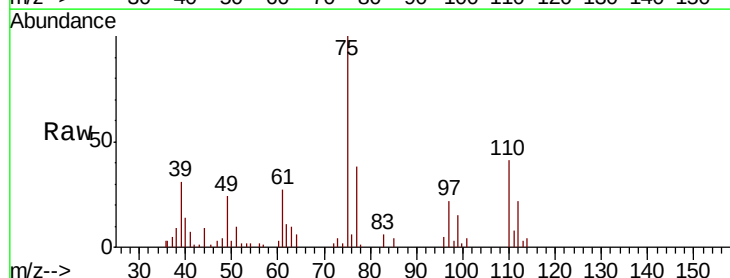
Acq: 15 Apr 2019 09:59

Tgt Ion: 75 Resp: 7192

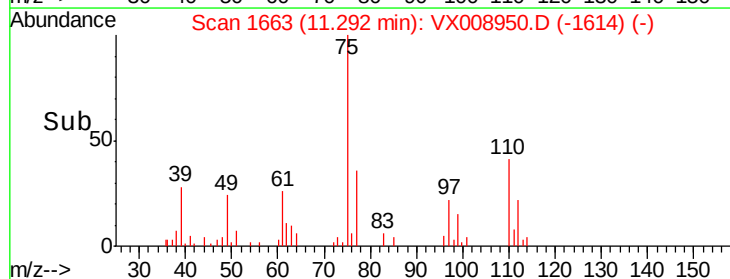
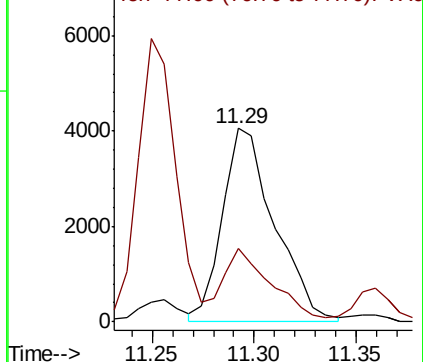
Ion Ratio Lower Upper

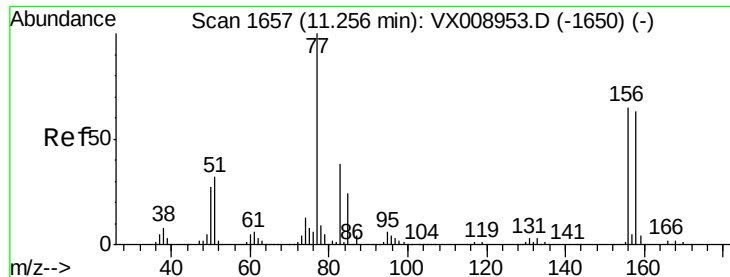
75 100

77 35.8 22.7 68.0



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





#77

Bromobenzene

Concen: 1.310 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

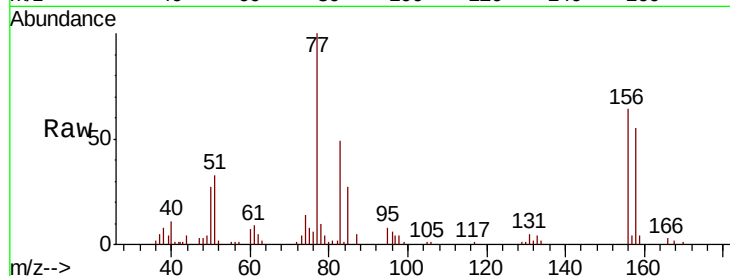
Tot Ion:156 Resp: 4521

Ion Ratio Lower Upper

156 100

77 168.6 85.4 256.1

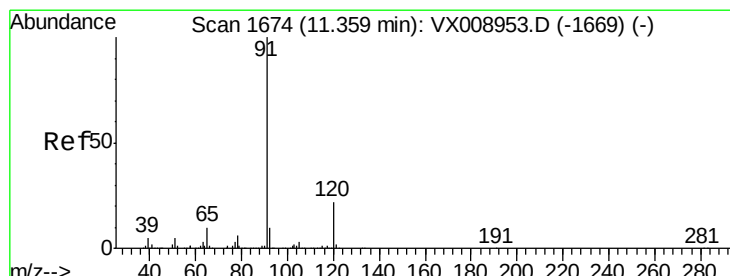
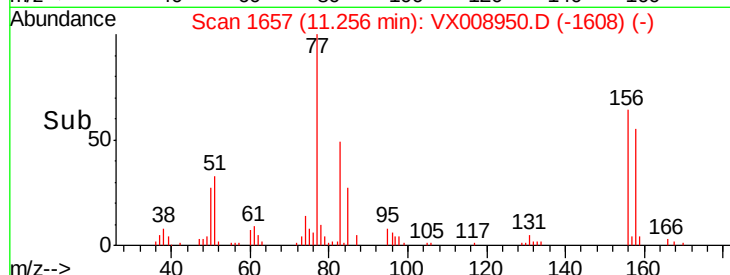
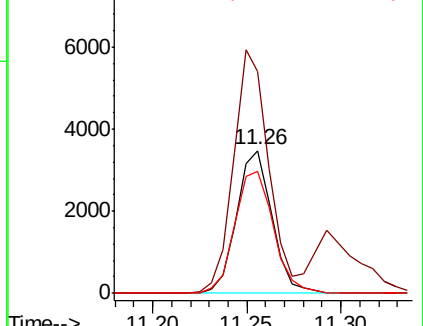
158 93.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.217 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008950.D

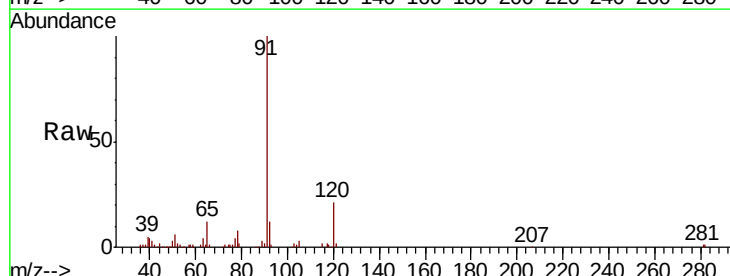
Acq: 15 Apr 2019 09:59

Tgt Ion: 91 Resp: 20213

Ion Ratio Lower Upper

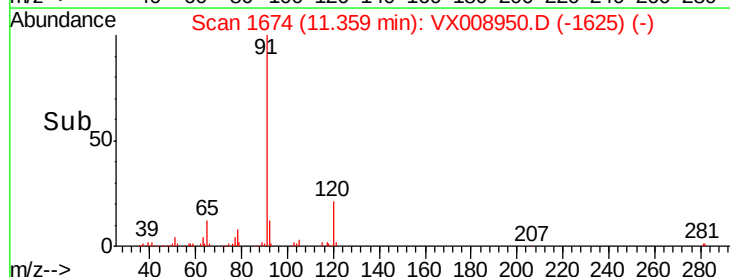
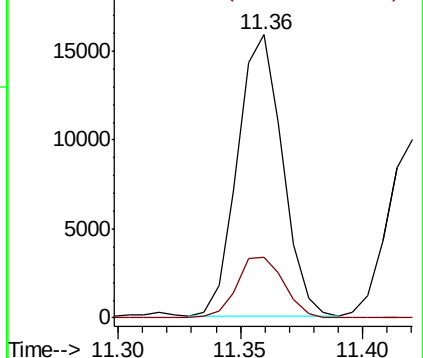
91 100

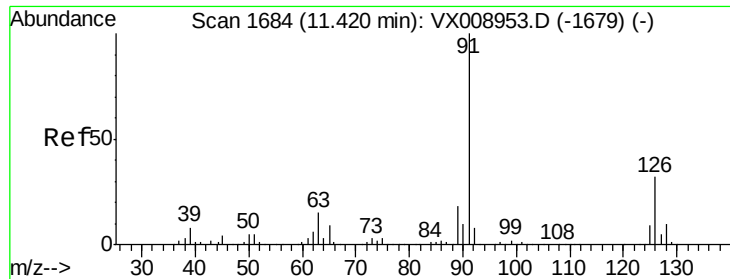
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

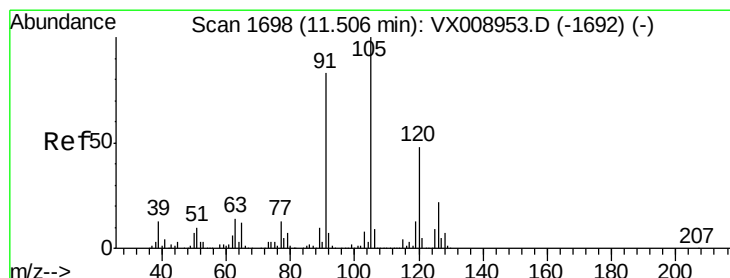
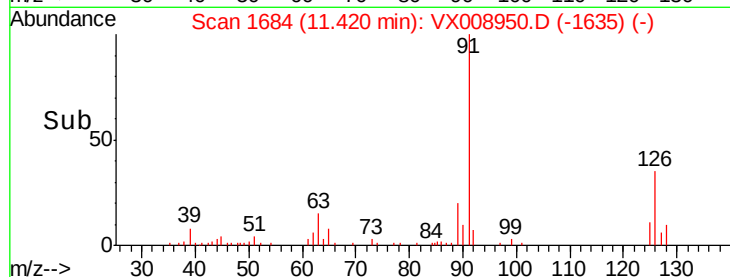
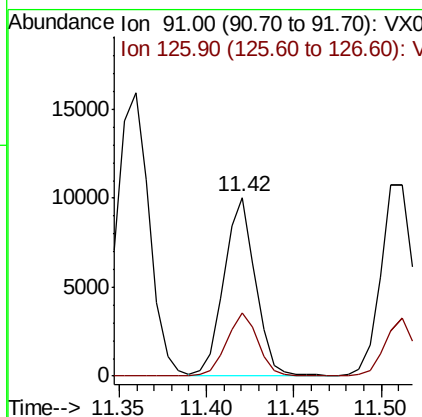
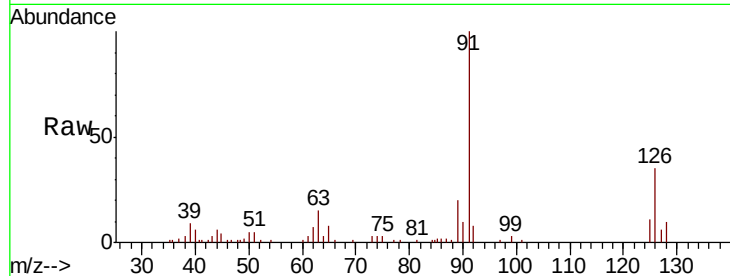




#79
 2-Chlorotoluene
 Concen: 1.258 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

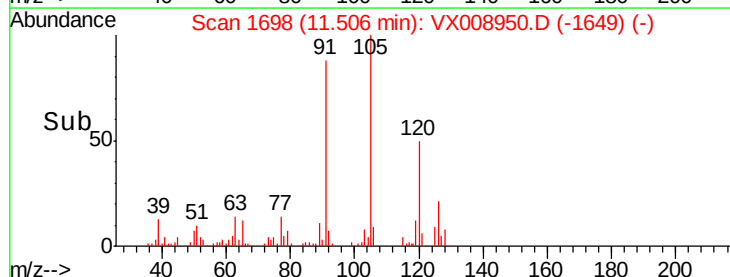
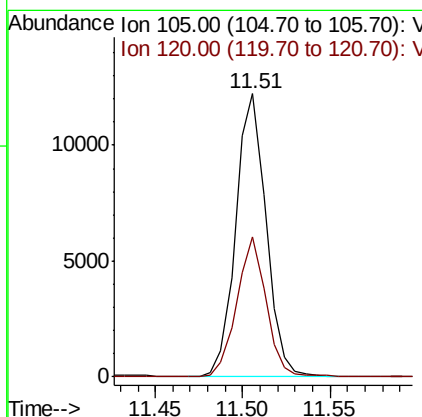
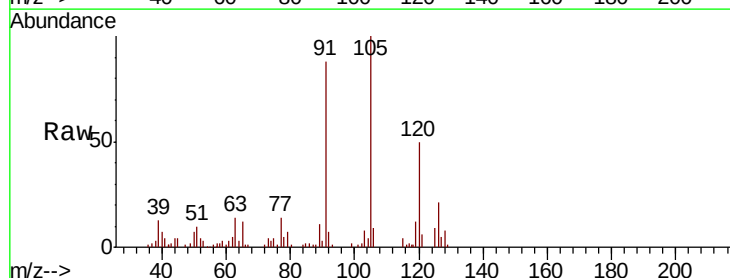
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

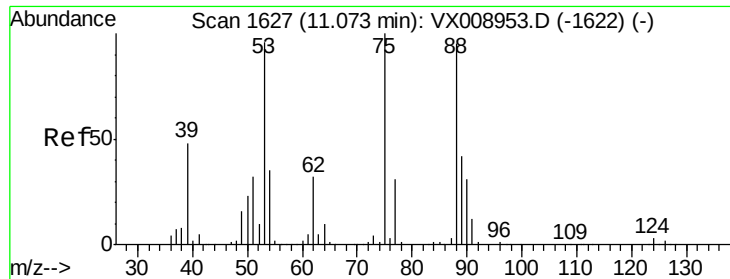
Tot Ion: 91 Resp: 12642
 Ion Ratio Lower Upper
 91 100
 126 34.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 1.233 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 105 Resp: 14755
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1.135 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

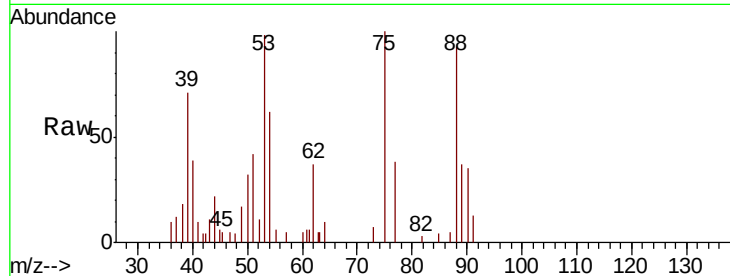
Tot Ion: 75 Resp: 1964

Ion Ratio Lower Upper

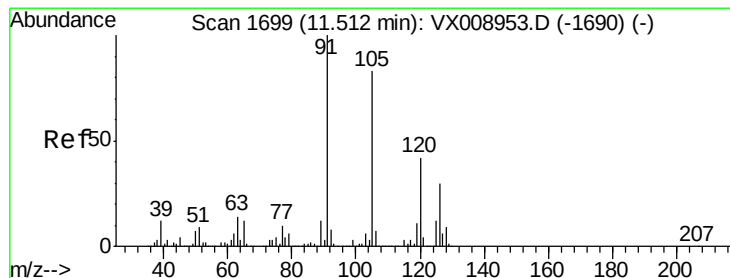
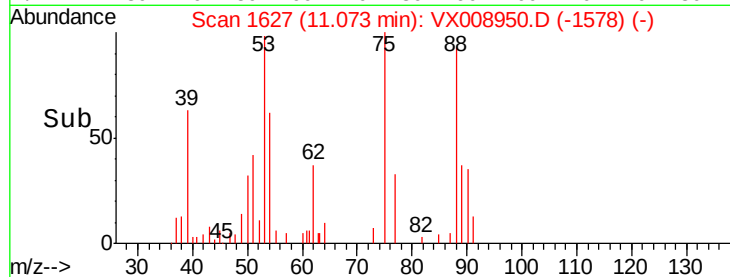
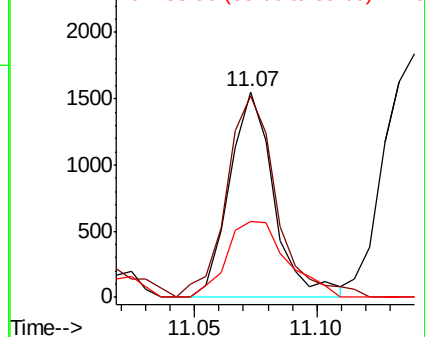
75 100

53 110.8 78.2 117.4

89 50.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.239 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008950.D

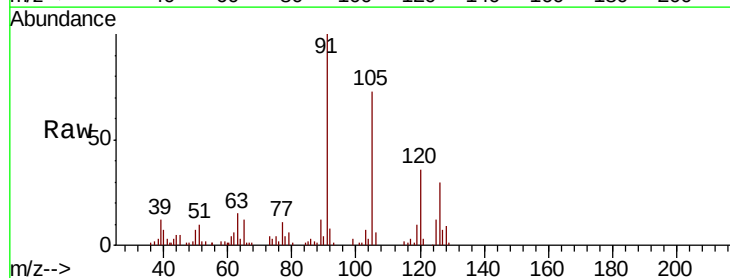
Acq: 15 Apr 2019 09:59

Tgt Ion: 91 Resp: 14416

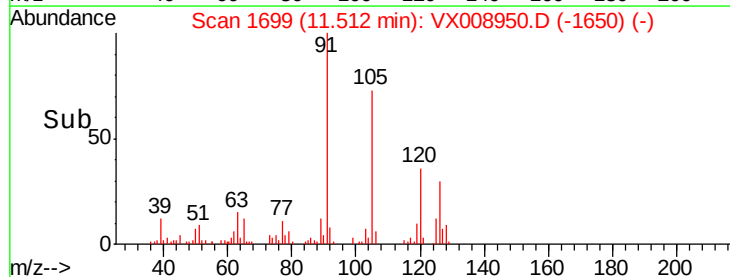
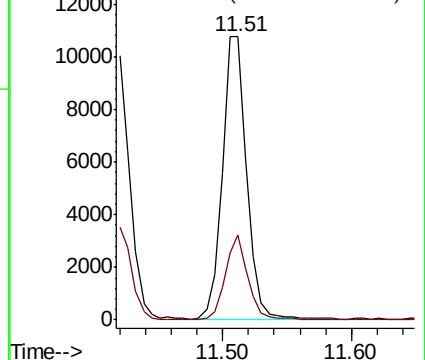
Ion Ratio Lower Upper

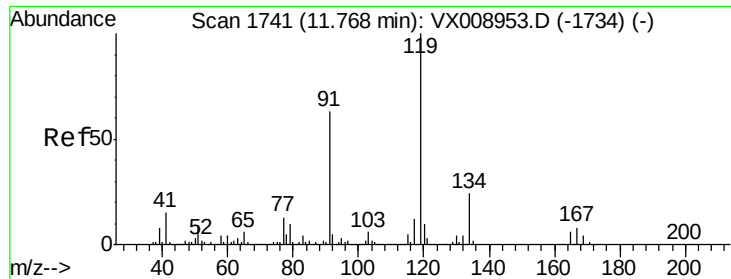
91 100

126 27.5 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

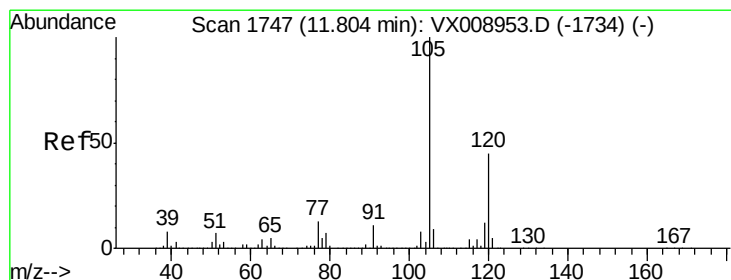
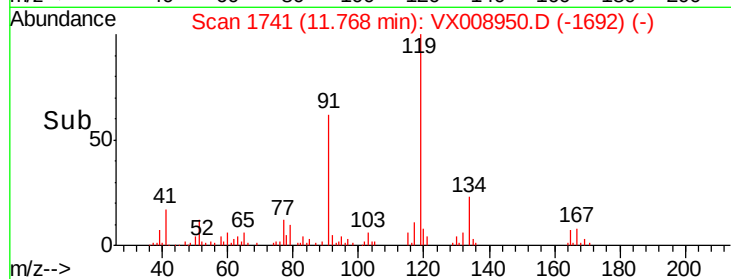
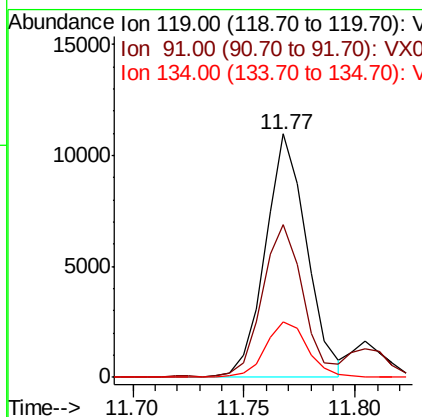
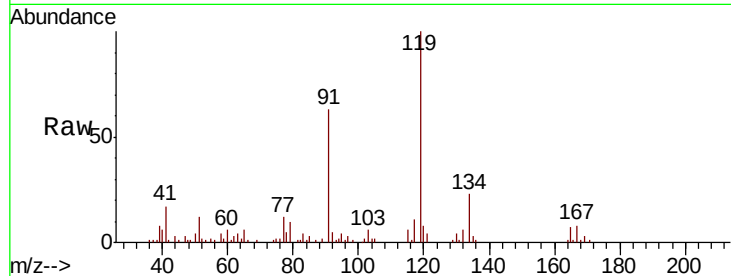




#83
 tert-Butylbenzene
 Concen: 1.227 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

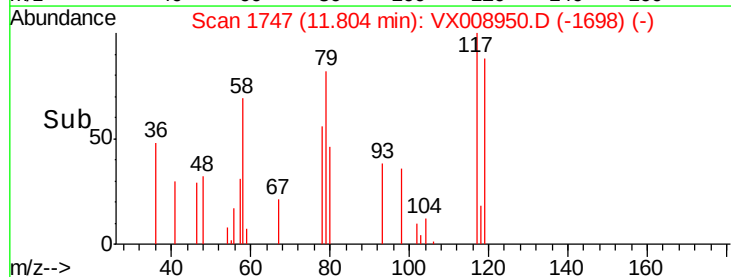
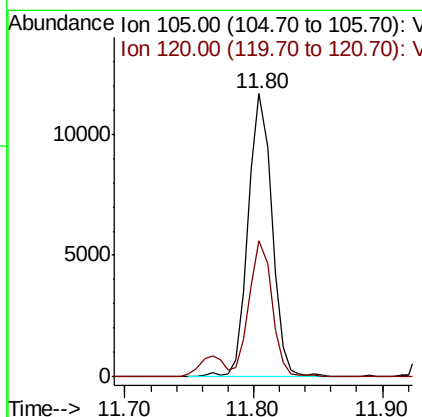
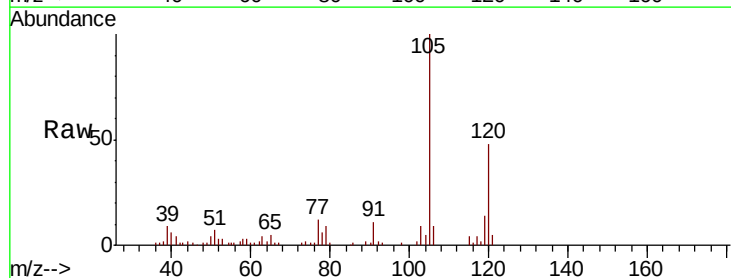
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

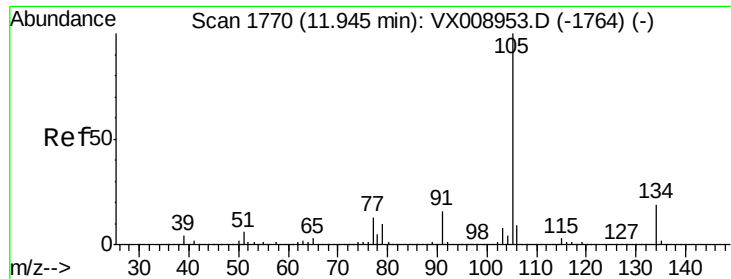
Tot Ion:119 Resp: 14142
 Ion Ratio Lower Upper
 119 100
 91 62.7 29.7 89.1
 134 23.2 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 1.222 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion:105 Resp: 14817
 Ion Ratio Lower Upper
 105 100
 120 46.5 21.9 65.8





#85

sec-Butylbenzene

Concen: 1.234 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

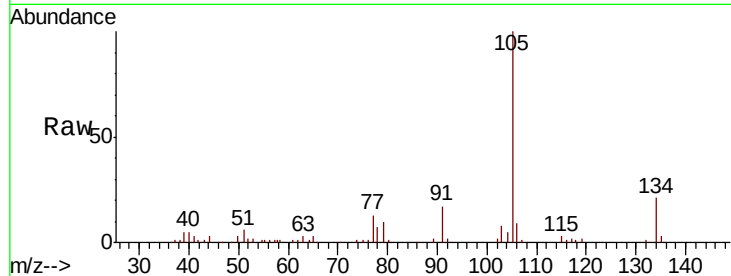
VSTDIC001

Tot Ion:105 Resp: 16896

Ion Ratio Lower Upper

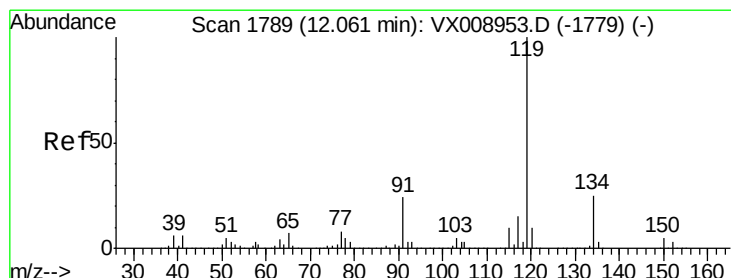
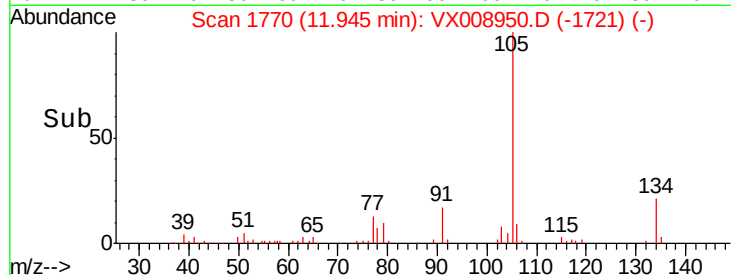
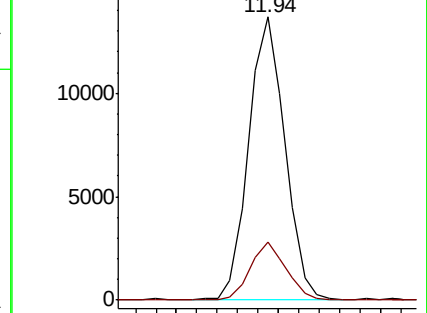
105 100

134 20.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.221 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

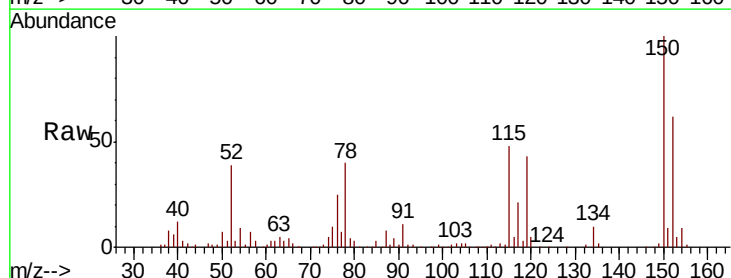
Tgt Ion:119 Resp: 15045

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

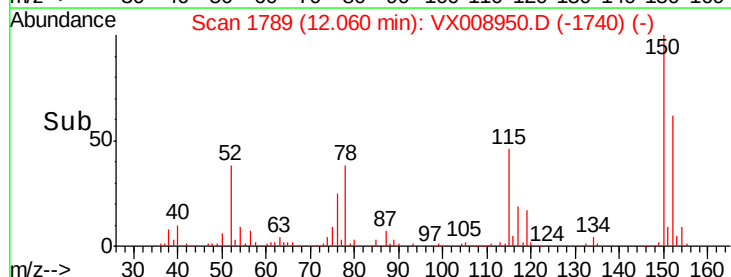
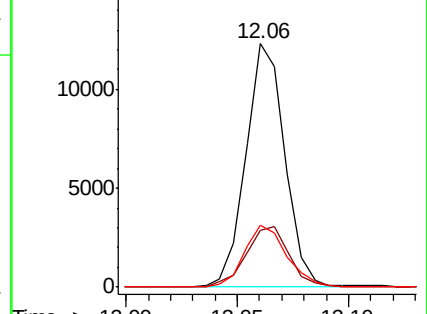
91 27.7 11.9 35.5

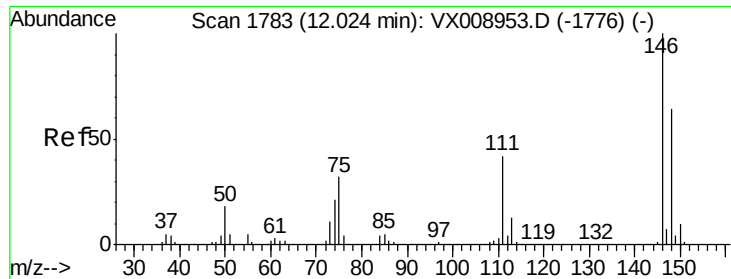


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

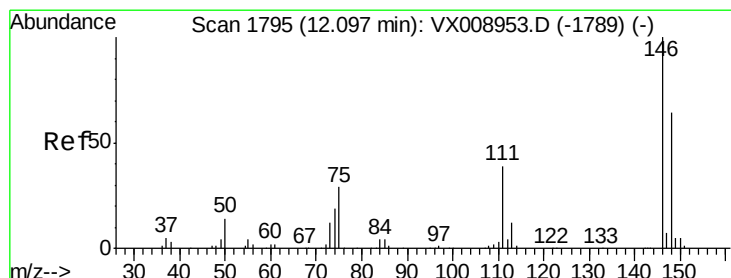
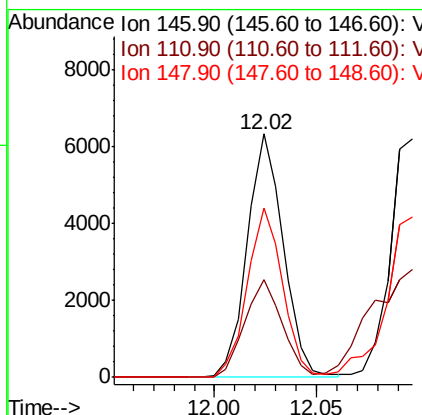
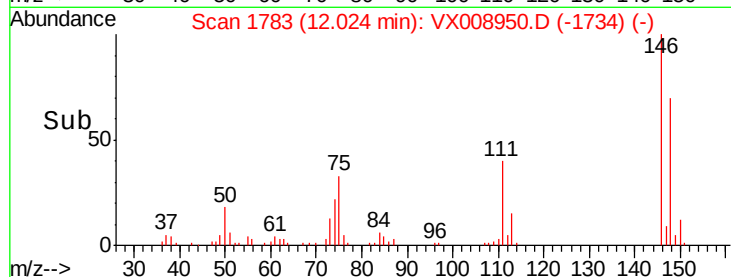
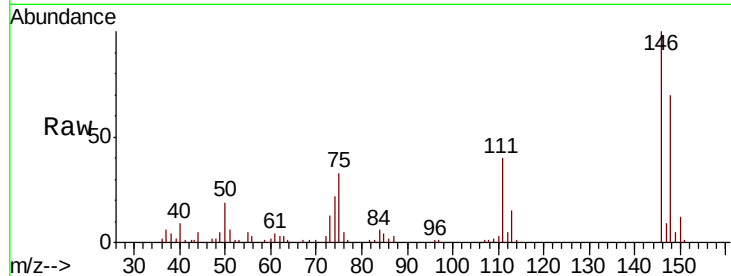




#87
 1,3-Dichlorobenzene
 Concen: 1.263 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

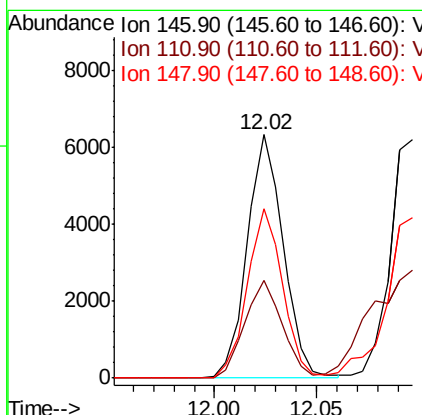
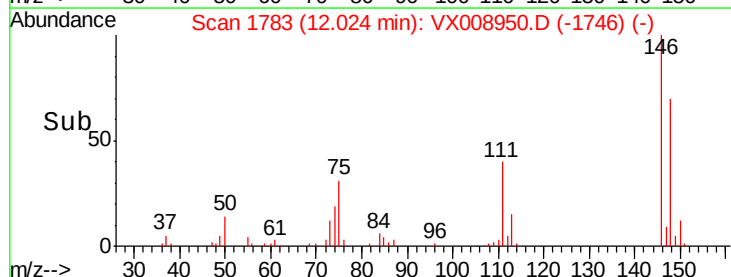
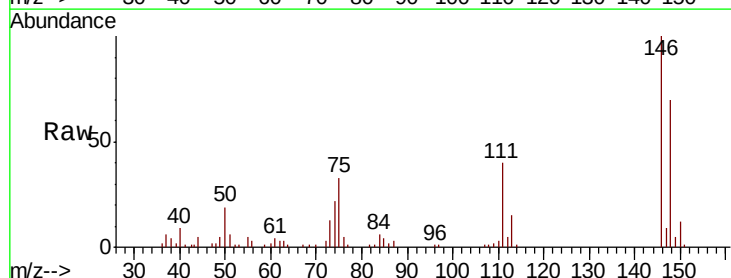
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

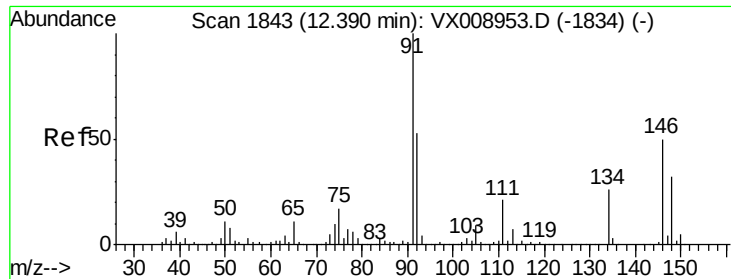
Tot Ion:146 Resp: 7800
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 68.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 1.245 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion:146 Resp: 7800
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 68.3 32.2 96.6





#89

n-Butylbenzene

Concen: 1.234 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

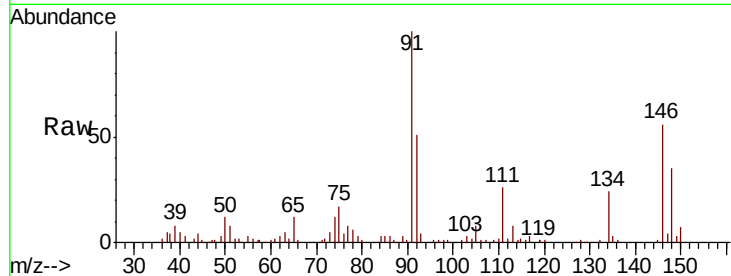
Tot Ion: 91 Resp: 14244

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.8

134 23.8 12.4 37.2

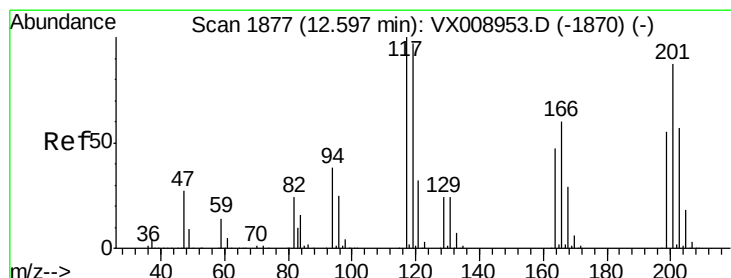
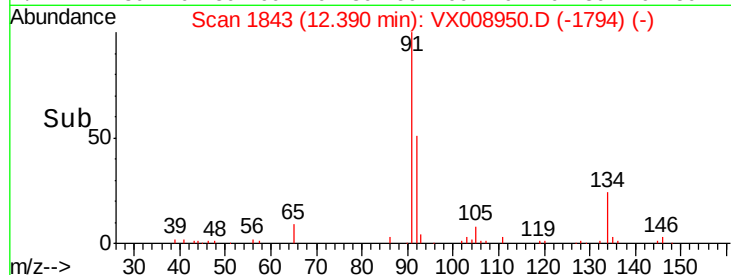


Abundance Ion 91.00 (90.70 to 91.70): VX008950.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX008950.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX008950.D (-1834) (-)

Time-->



#90

Hexachloroethane

Concen: 1.212 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008950.D

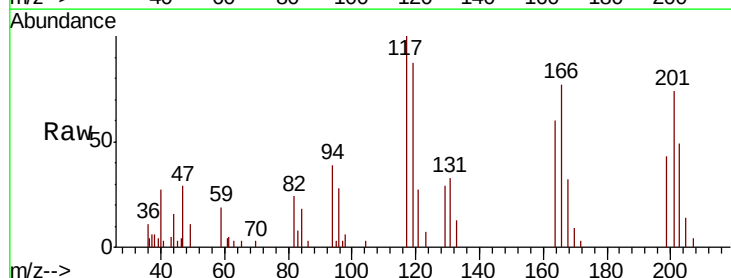
Acq: 15 Apr 2019 09:59

Tgt Ion: 117 Resp: 2480

Ion Ratio Lower Upper

117 100

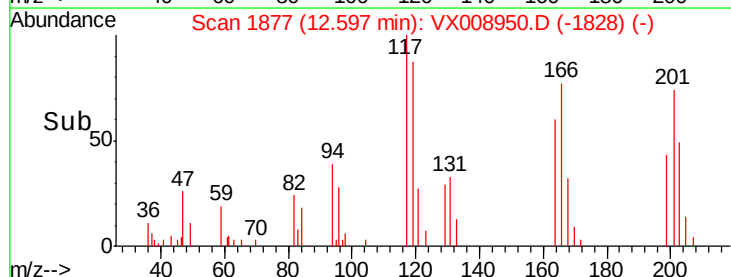
201 78.8 43.0 129.0

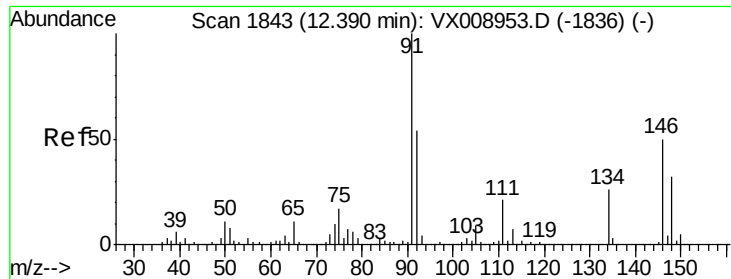


Abundance Ion 116.80 (116.50 to 117.50): VX008950.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX008950.D (-1870) (-)

Time-->

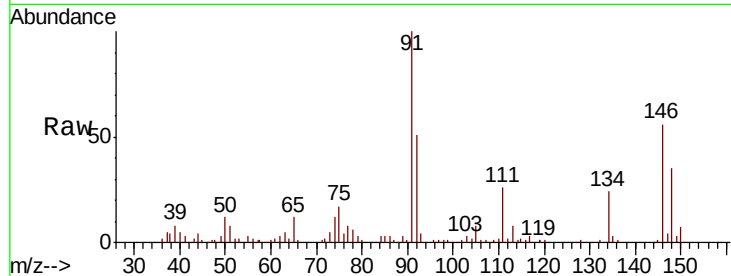




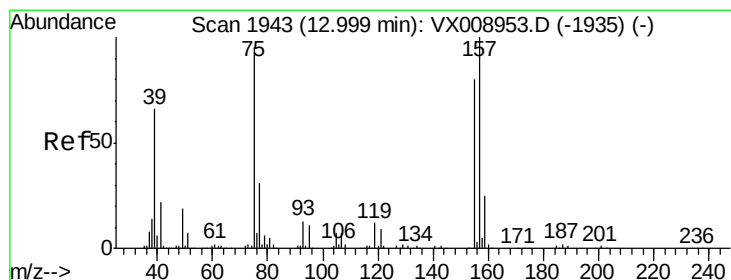
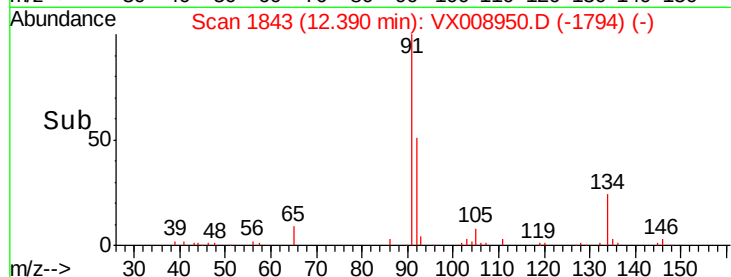
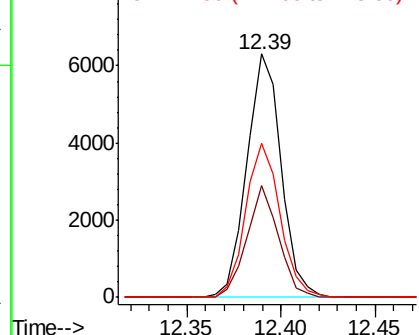
#91
 1,2-Dichlorobenzene
 Concen: 1.299 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 7962
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.6 61.9
 148 63.4 32.0 96.2

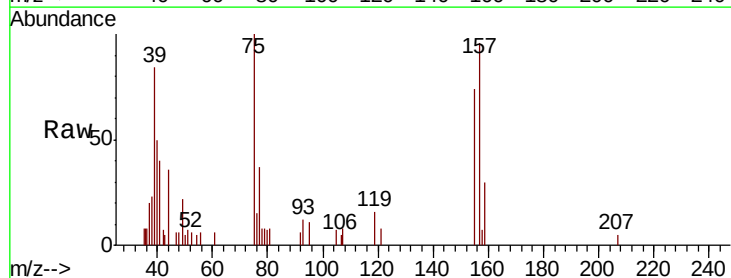


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

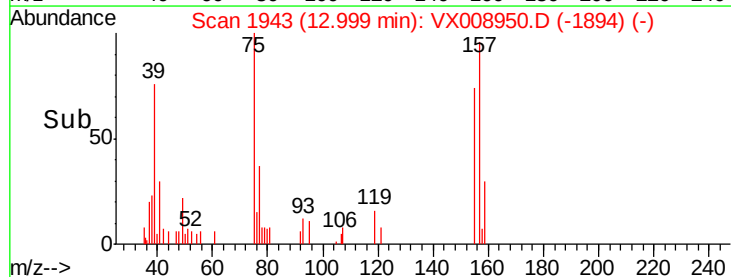
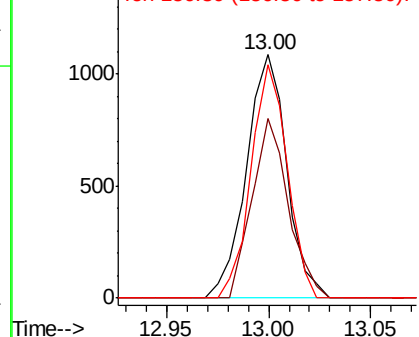


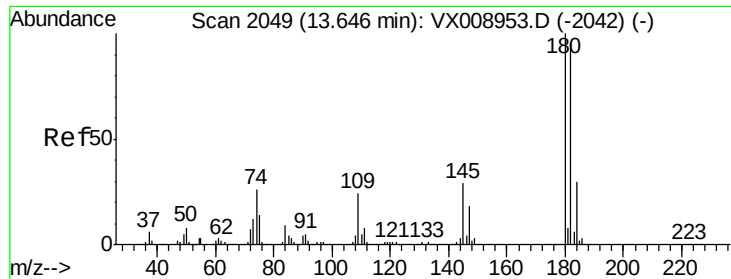
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.252 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion: 75 Resp: 1496
 Ion Ratio Lower Upper
 75 100
 155 66.8 41.2 123.6
 157 86.0 52.5 157.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

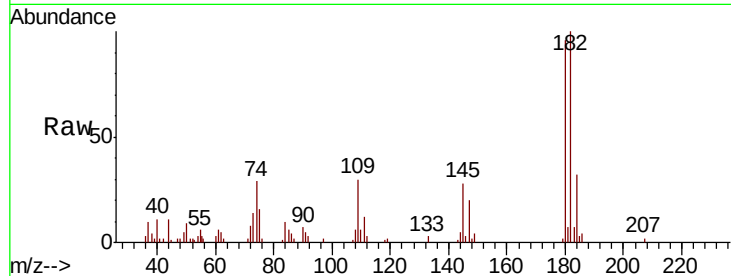




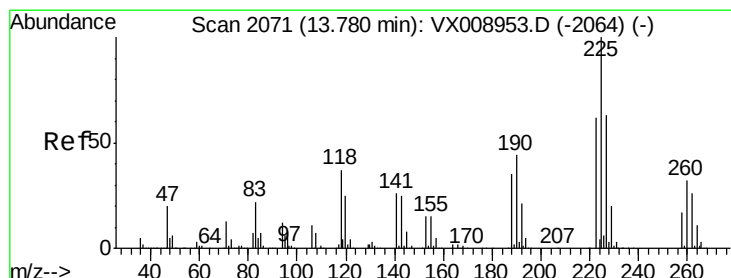
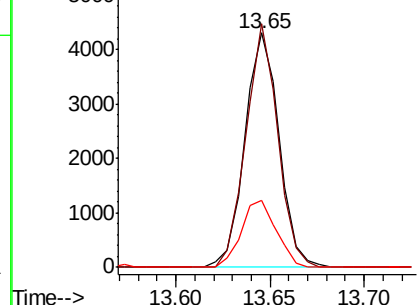
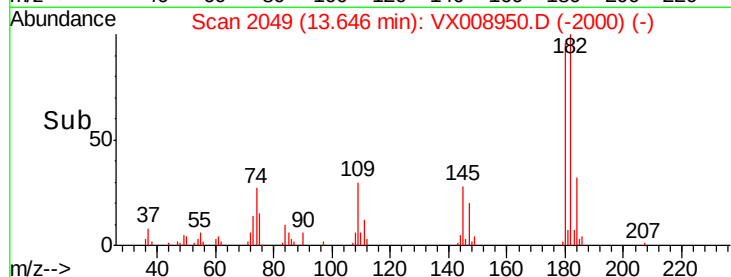
#93
 1,2,4-Trichlorobenzene
 Concen: 1.256 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.6	142.9
145	29.1	14.8	44.4

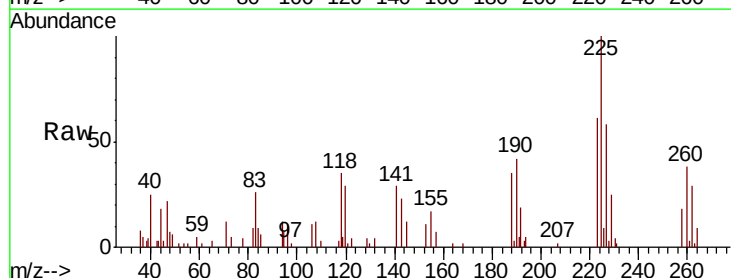


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

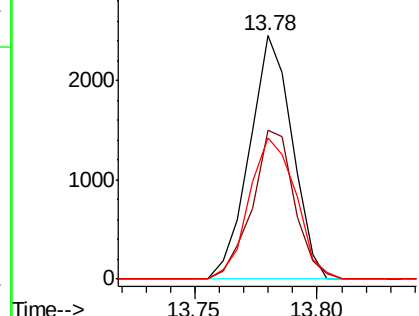
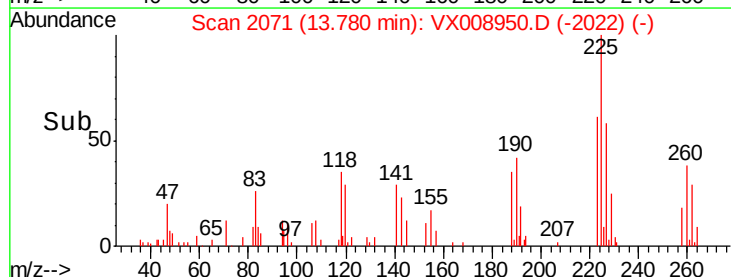


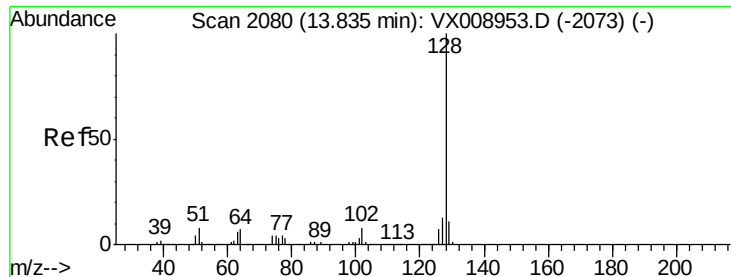
#94
 Hexachlorobutadiene
 Concen: 1.444 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008950.D
 Acq: 15 Apr 2019 09:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.1	93.2
227	63.4	32.0	96.2



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





#95

Naphthalene

Concen: 1.123 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

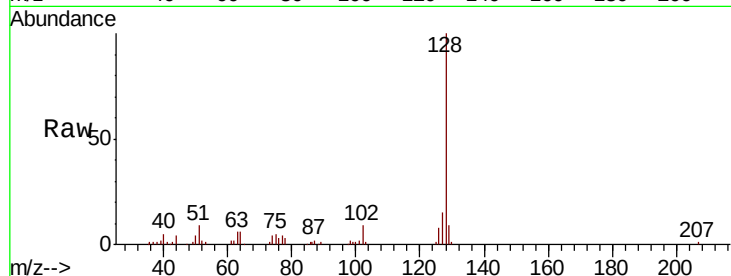
Tot Ion:128 Resp: 15993

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

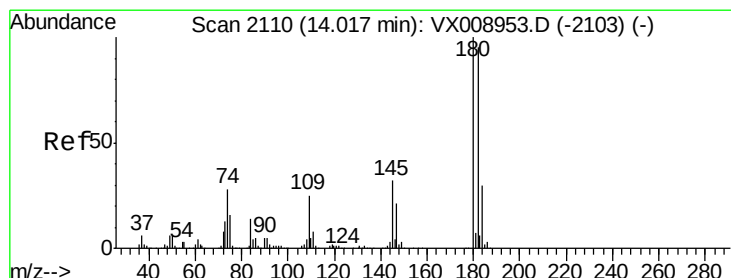
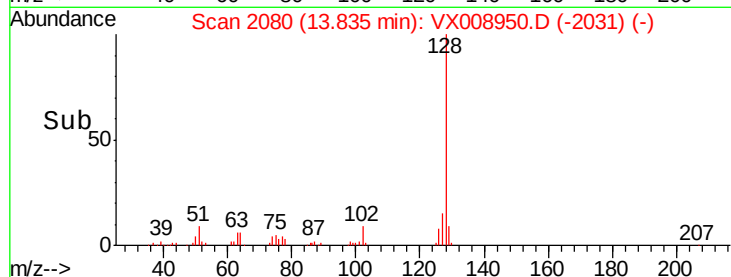
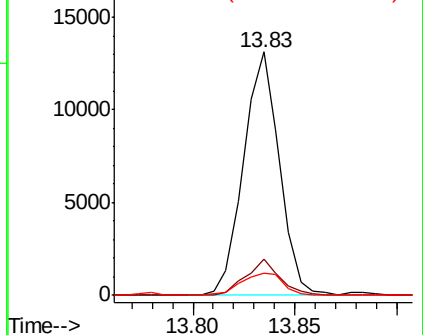
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.213 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008950.D

Acq: 15 Apr 2019 09:59

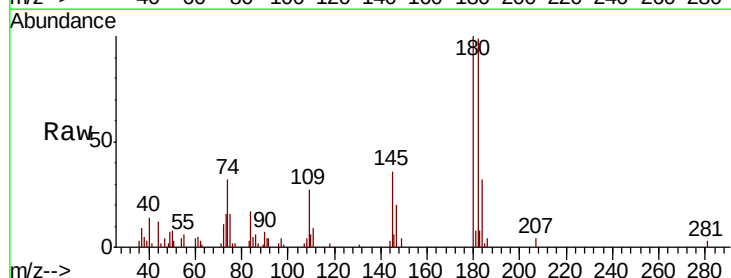
Tgt Ion:180 Resp: 5199

Ion Ratio Lower Upper

180 100

182 97.2 47.8 143.4

145 34.8 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

