

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010345.D
 Acq On : 19 Jun 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 20 03:14:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200438	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	54996	19.03	ug/l	0.00
Spiked Amount						
			Recovery	=	38.06%	
35) Dibromofluoromethane	5.50	113	53720	19.60	ug/l	0.00
Spiked Amount						
			Recovery	=	39.20%	
50) Toluene-d8	8.71	98	203846	19.81	ug/l	0.00
Spiked Amount						
			Recovery	=	39.62%	
62) 4-Bromofluorobenzene	11.13	95	71264	18.67	ug/l	0.00
Spiked Amount						
			Recovery	=	37.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	40361	15.707	ug/l	100
3) Chloromethane	1.33	50	47239	17.852	ug/l	98
4) Vinyl Chloride	1.41	62	49691	19.585	ug/l	99
5) Bromomethane	1.64	94	29953	29.615	ug/l	99
6) Chloroethane	1.72	64	30630	23.549	ug/l	97
7) Trichlorofluoromethane	1.93	101	81431	21.179	ug/l	99
8) Diethyl Ether	2.19	74	29518	21.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49109	18.927	ug/l	100
10) Methyl Iodide	2.51	142	67691	17.073	ug/l	100
11) Tert butyl alcohol	3.04	59	77845	110.080	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49497	18.658	ug/l	96
13) Acrolein	2.29	56	46941	244.865	ug/l	97
14) Allyl chloride	2.73	41	71867	18.038	ug/l	99
15) Acrylonitrile	3.14	53	143976	99.209	ug/l	100
16) Acetone	2.44	43	151015	108.989	ug/l	100
17) Carbon Disulfide	2.57	76	132168	17.375	ug/l	100
18) Methyl Acetate	2.78	43	54136	18.187	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	159385	18.739	ug/l	99
20) Methylene Chloride	2.85	84	55787	18.714	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	53440	18.234	ug/l	98
22) Diisopropyl ether	3.86	45	150149	19.587	ug/l	89
23) Vinyl Acetate	3.82	43	663769	97.040	ug/l	99
24) 1,1-Dichloroethane	3.70	63	86887	18.693	ug/l	98
25) 2-Butanone	4.67	43	212056	103.916	ug/l	100
26) 2,2-Dichloropropane	4.58	77	75495	17.993	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61915	18.922	ug/l	99
28) Bromochloromethane	5.02	49	38978	18.596	ug/l	99
29) Tetrahydrofuran	5.13	42	122872	96.176	ug/l	97
30) Chloroform	5.21	83	92039	19.059	ug/l	100
31) Cyclohexane	5.58	56	79348	19.028	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	81570	17.999	ug/l	100
36) 1,1-Dichloropropene	5.80	75	66232	18.412	ug/l	99
37) Ethyl Acetate	4.83	43	72056	19.164	ug/l	97
38) Carbon Tetrachloride	5.79	117	74471	18.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91716	18.790	ug/l	97
40) Benzene	6.14	78	216000	19.375	ug/l	99
41) Methacrylonitrile	5.04	41	38725	19.102	ug/l	97
42) 1,2-Dichloroethane	6.19	62	67832	19.132	ug/l	99
43) Isopropyl Acetate	6.45	43	117695	18.802	ug/l	100
44) Trichloroethene	7.21	130	65146	19.365	ug/l	95
45) 1,2-Dichloropropane	7.51	63	53205	19.068	ug/l	96
46) Dibromomethane	7.66	93	39215	18.744	ug/l	99
47) Bromodichloromethane	7.90	83	70366	18.116	ug/l	99
48) Methyl methacrylate	7.77	41	55687	19.088	ug/l	99
49) 1,4-Dioxane	7.74	88	32759	392.495	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	384618	102.321	ug/l	99
52) Toluene	8.78	92	141352	19.234	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77979	17.455	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	87393	18.162	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	58758	19.544	ug/l	98
56) Ethyl methacrylate	9.18	69	87988	18.641	ug/l	99
57) 1,3-Dichloropropane	9.37	76	90838	19.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	212816	95.509	ug/l	98
59) 2-Hexanone	9.49	43	307859	102.588	ug/l	99
60) Dibromochloromethane	9.58	129	64003	18.113	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63980	19.158	ug/l	98
64) Tetrachloroethene	9.34	164	63375	21.063	ug/l	99
65) Chlorobenzene	10.14	112	158913	19.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	58417	18.553	ug/l	97
67) Ethyl Benzene	10.25	91	271485	19.402	ug/l	99
68) m/p-Xylenes	10.36	106	211998	39.114	ug/l	98
69) o-Xylene	10.69	106	103822	19.307	ug/l	98
70) Styrene	10.71	104	174705	19.211	ug/l	100
71) Bromoform	10.85	173	50207	17.409	ug/l #	100
73) Isopropylbenzene	11.02	105	274582	19.697	ug/l	98
74) N-amyl acetate	10.90	43	103896	18.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89385	18.765	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	100548	25.305	ug/l	82
77) Bromobenzene	11.26	156	74961	19.508	ug/l	99
78) n-propylbenzene	11.36	91	297473	19.161	ug/l	100
79) 2-Chlorotoluene	11.42	91	175817	18.905	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225448	19.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29689	16.728	ug/l	99
82) 4-Chlorotoluene	11.51	91	198114	18.747	ug/l	98
83) tert-Butylbenzene	11.77	119	224078	18.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	226767	19.084	ug/l	98
85) sec-Butylbenzene	11.94	105	265750	19.181	ug/l	100
86) p-Isopropyltoluene	12.06	119	244478	19.275	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131002	19.392	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	128545	18.811	ug/l	98
89) n-Butylbenzene	12.38	91	203327	18.641	ug/l	100
90) Hexachloroethane	12.60	117	41455	16.645	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	131069	19.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19405	17.539	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:08:25 2019
Response via : Initial Calibration

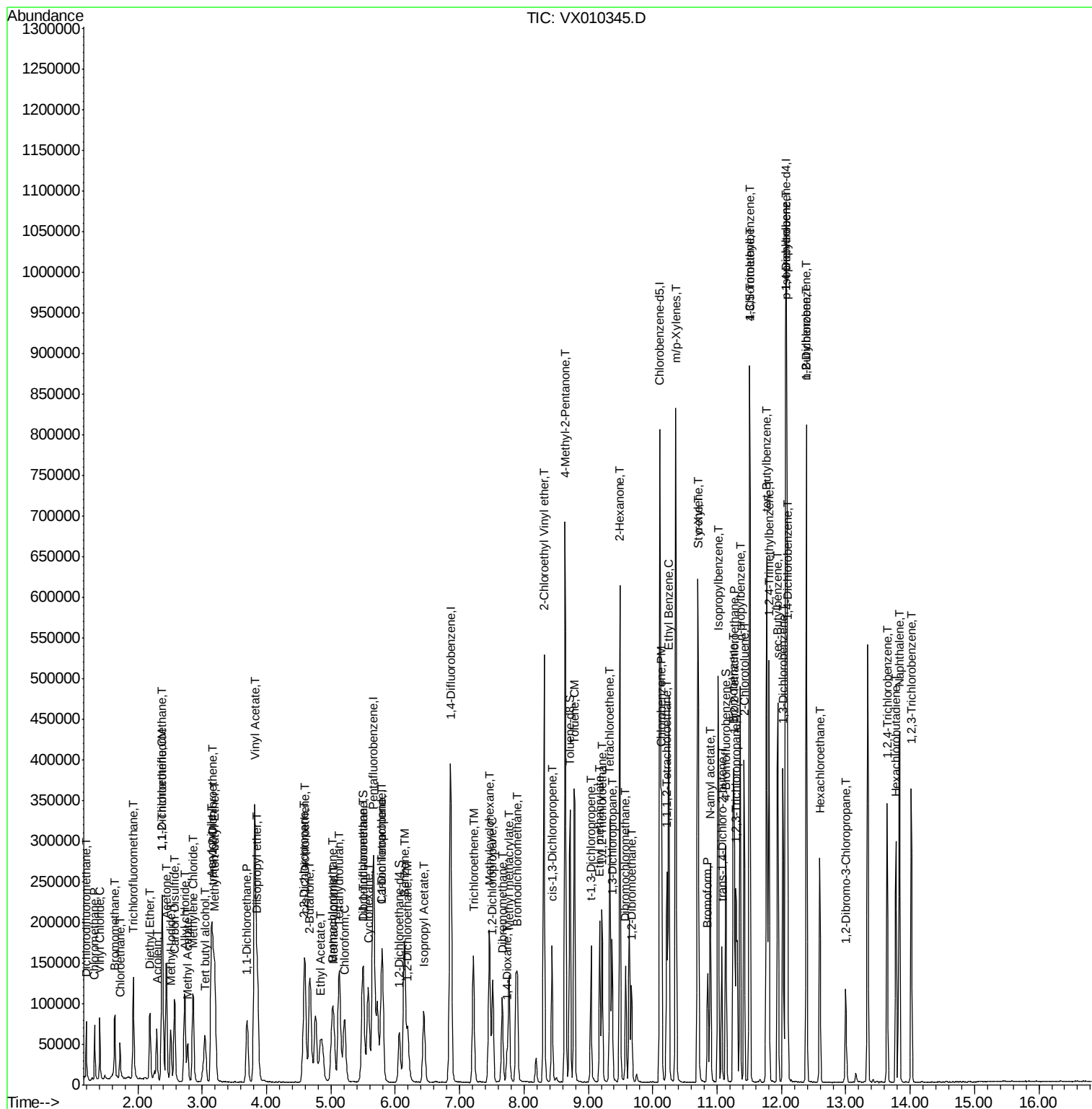
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	91029	18.880	ug/l	99
94) Hexachlorobutadiene	13.78	225	43867	20.151	ug/l	100
95) Naphthalene	13.83	128	285993	18.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	91011	19.055	ug/l	98

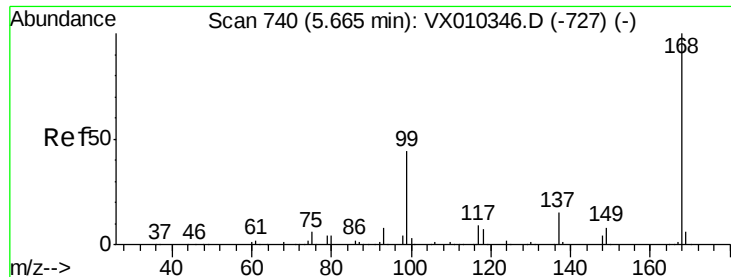
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:08:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

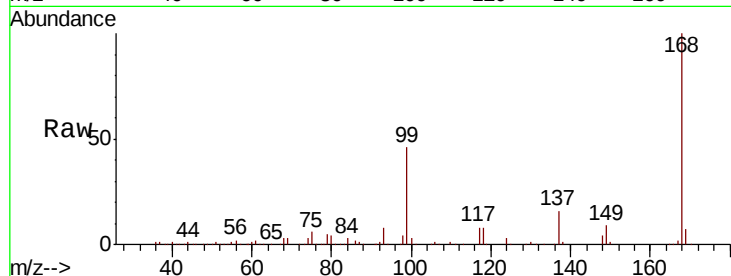
VSTDIC020

Tot Ion:168 Resp: 296658

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3

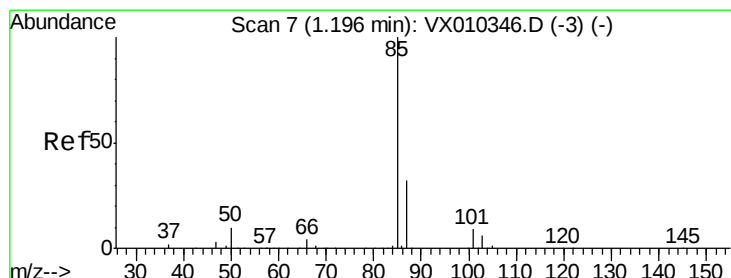
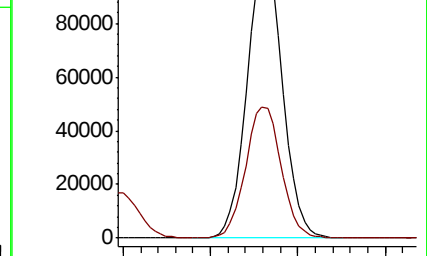
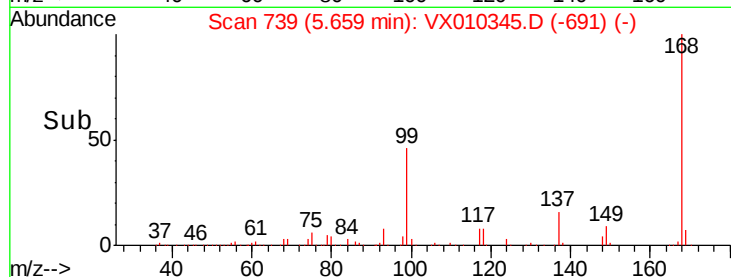


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 15.707 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010345.D

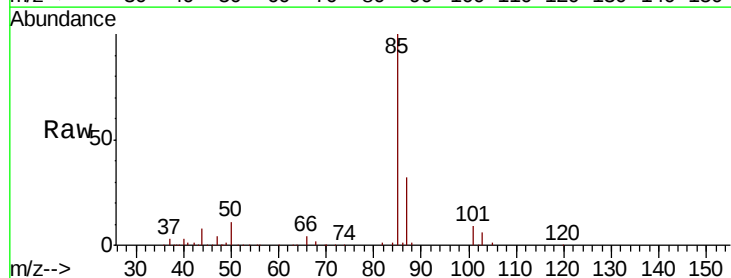
Acq: 19 Jun 2019 13:04

Tgt Ion: 85 Resp: 40361

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8

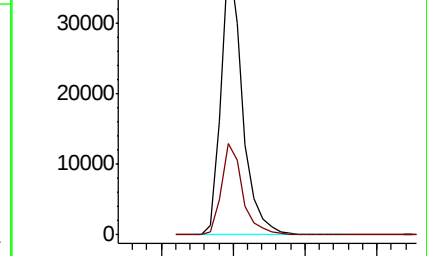
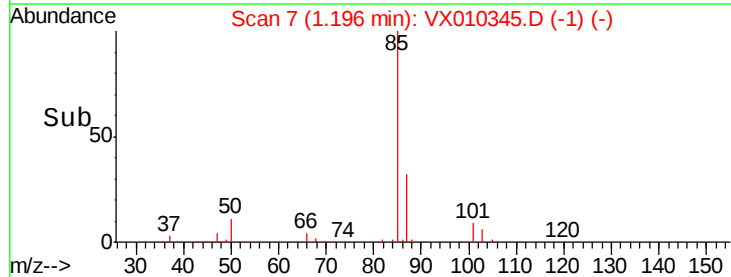


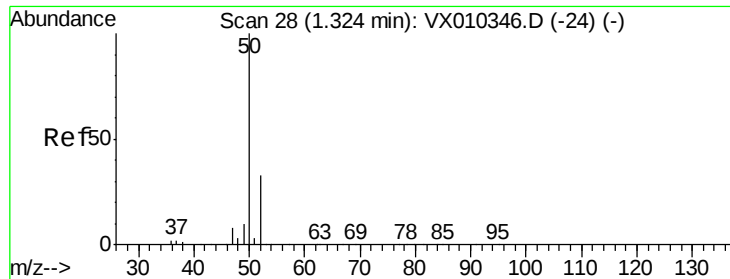
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 17.852 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

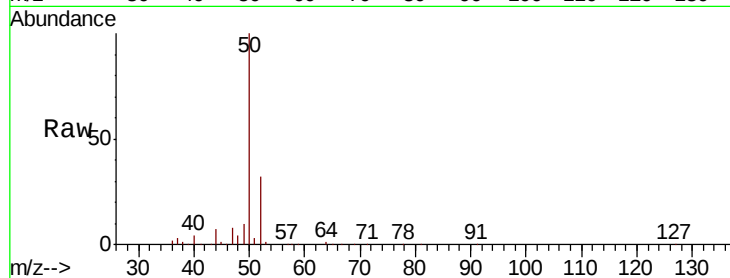
VSTDIC020

Tot Ion: 50 Resp: 47239

Ion Ratio Lower Upper

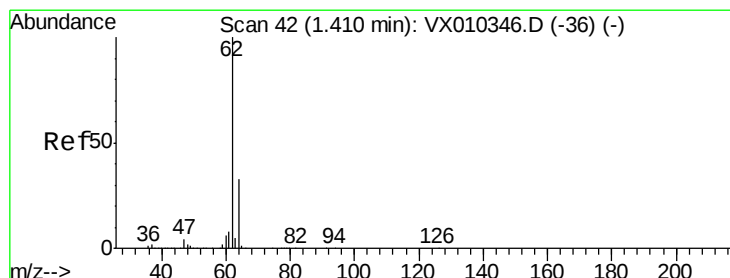
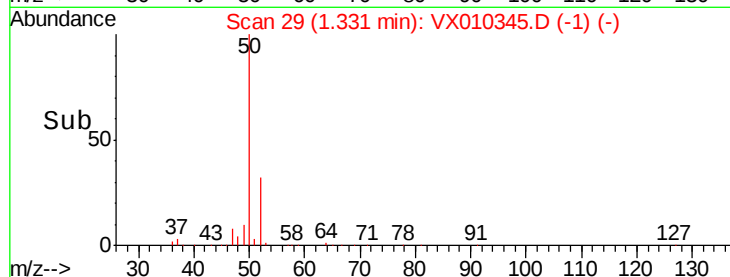
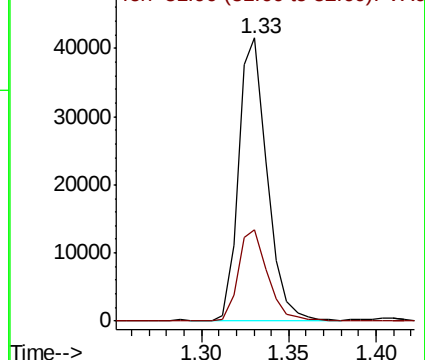
50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.585 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010345.D

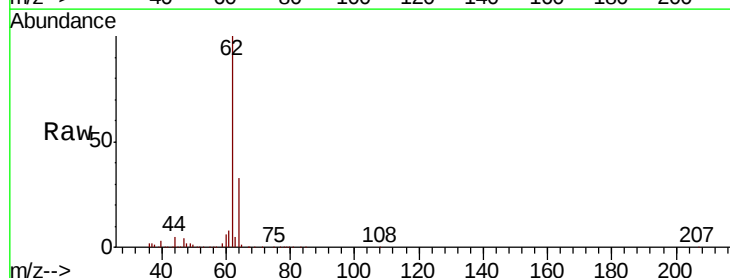
Acq: 19 Jun 2019 13:04

Tgt Ion: 62 Resp: 49691

Ion Ratio Lower Upper

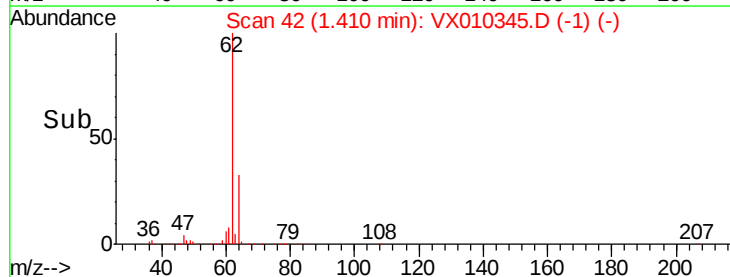
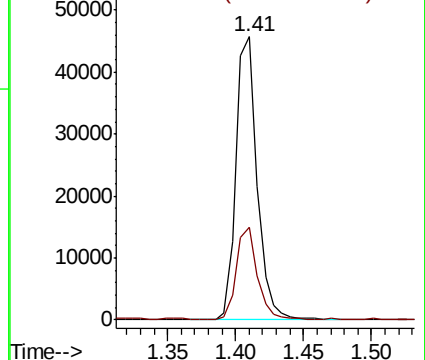
62 100

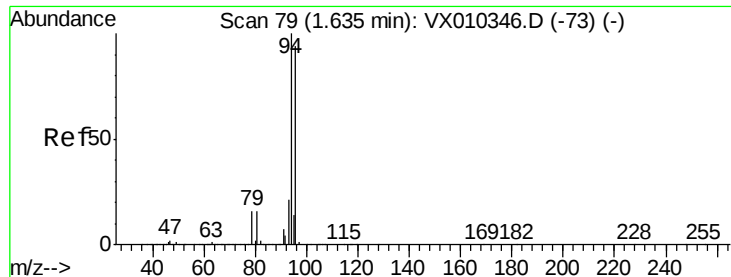
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 29.615 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

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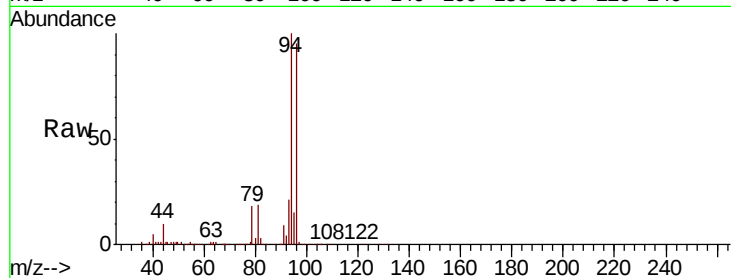
VSTDIC020

Tot Ion: 94 Resp: 29953

Ion Ratio Lower Upper

94 100

96 95.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

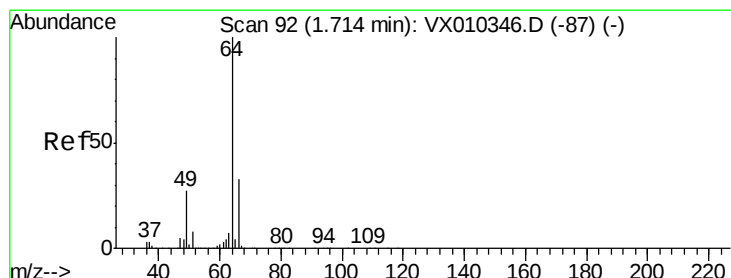
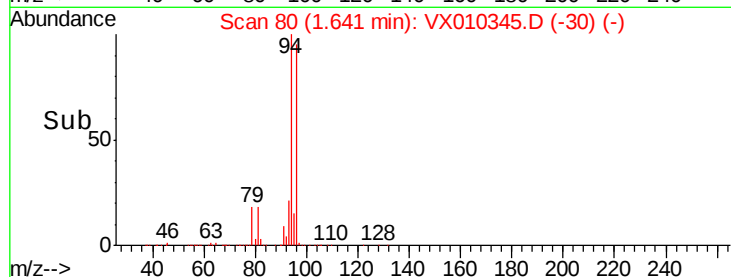
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 23.549 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010345.D

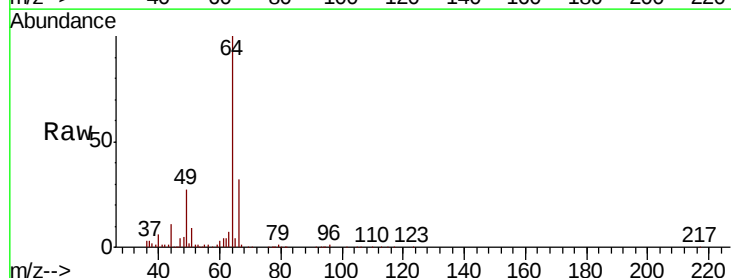
Acq: 19 Jun 2019 13:04

Tgt Ion: 64 Resp: 30630

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

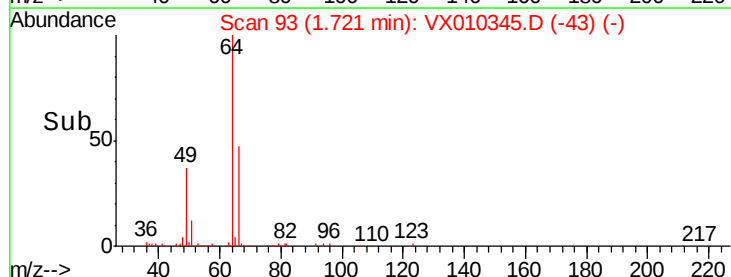
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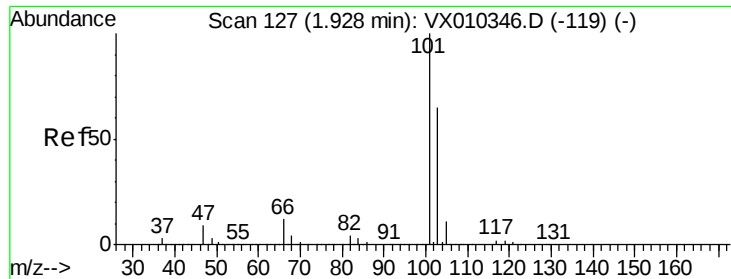
5000

0

Time-->

1.65 1.70 1.75 1.80



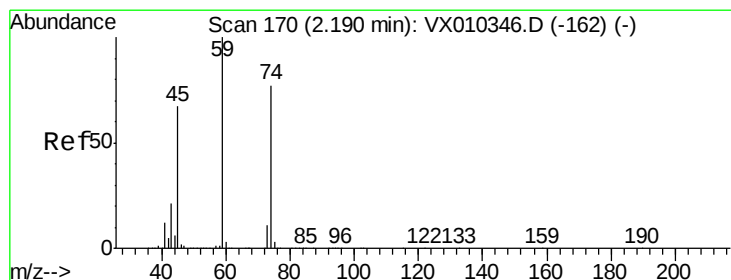
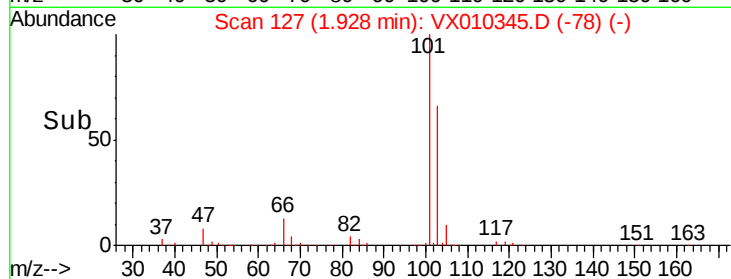
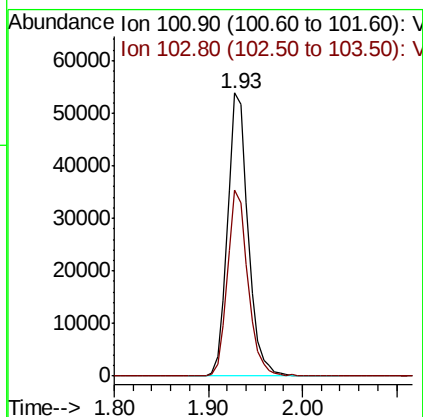
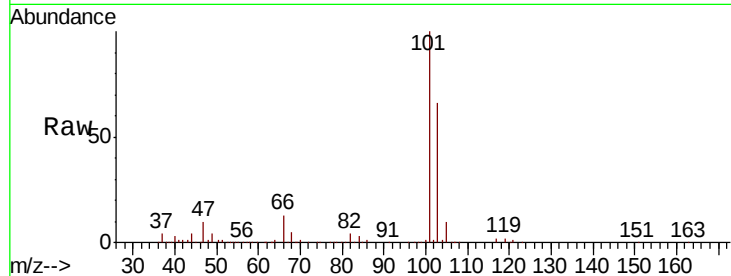


#7

Trichlorofluoromethane
 Concen: 21.179 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

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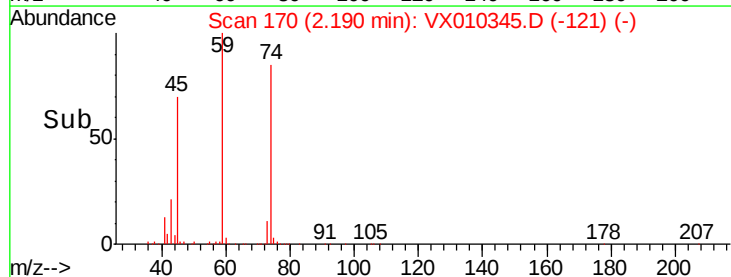
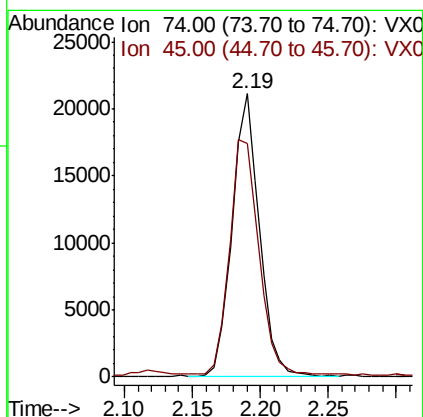
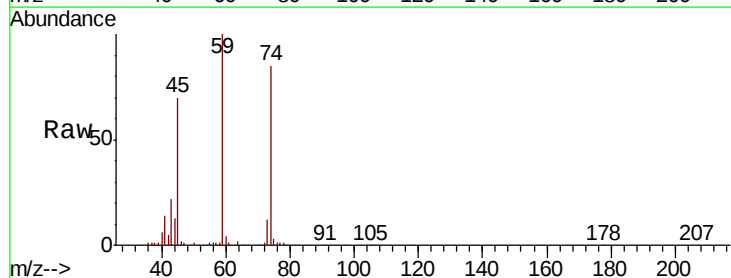
Tot Ion:101 Resp: 81431
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.3 78.5



#8

Diethyl Ether
 Concen: 21.973 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion: 74 Resp: 29518
 Ion Ratio Lower Upper
 74 100
 45 89.5 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.927 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

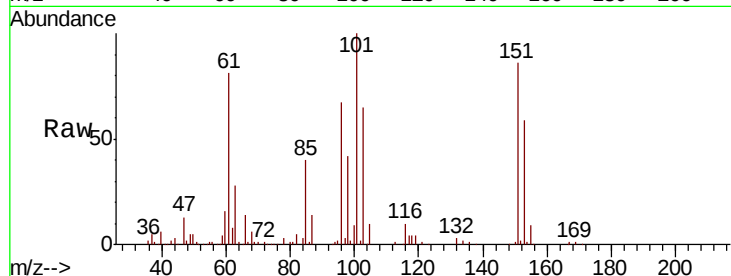
Tot Ion:101 Resp: 49109

Ion Ratio Lower Upper

101 100

85 42.0 33.7 50.5

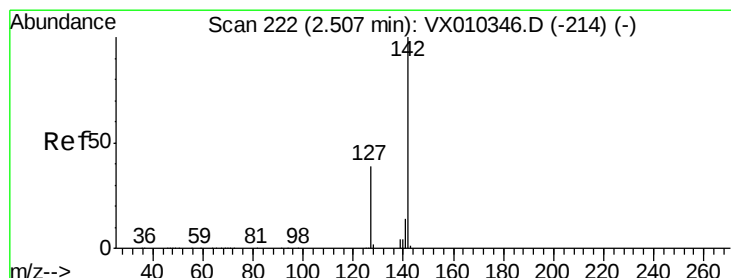
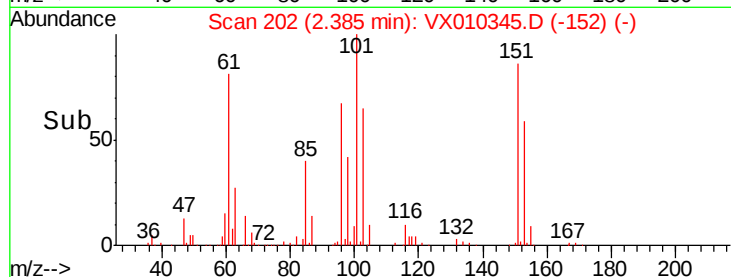
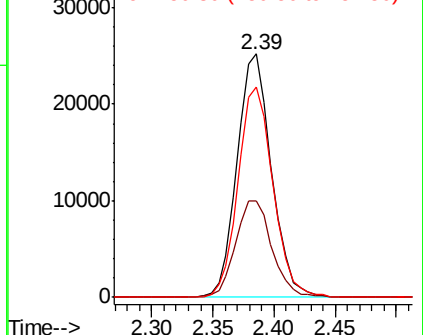
151 87.8 70.1 105.1



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: 17.073 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

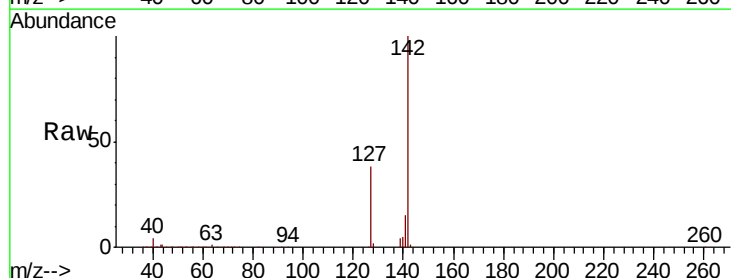
Tgt Ion:142 Resp: 67691

Ion Ratio Lower Upper

142 100

127 39.0 31.1 46.7

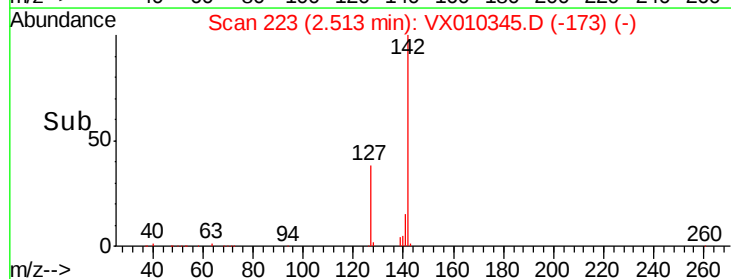
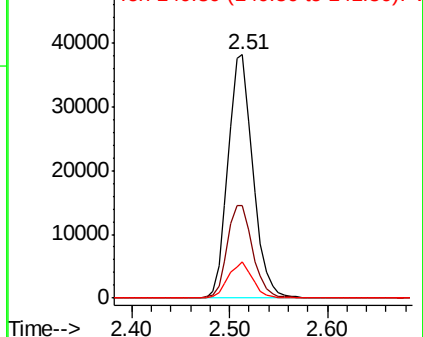
141 14.4 11.2 16.8



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

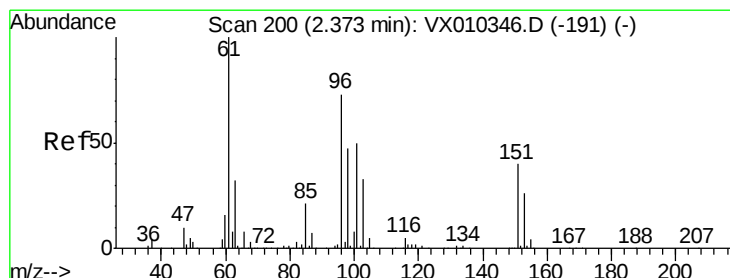
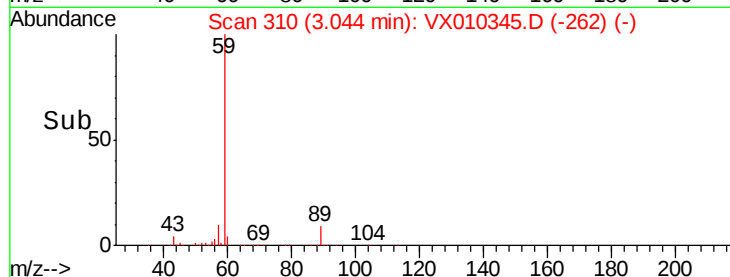
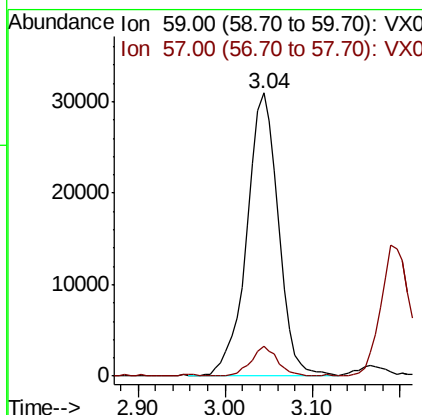
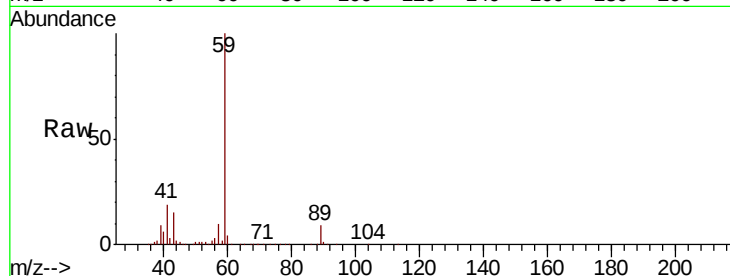




#11
Tert butyl alcohol
Concen: 110.080 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

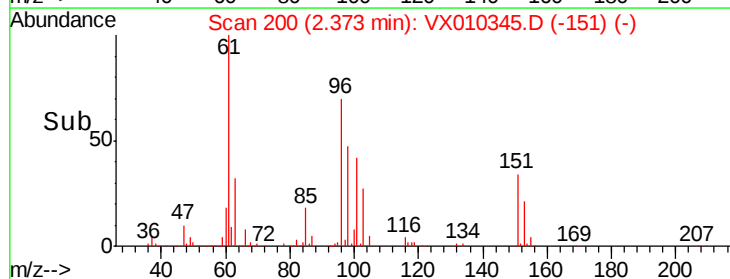
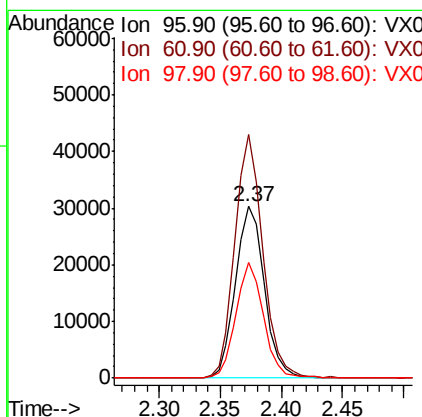
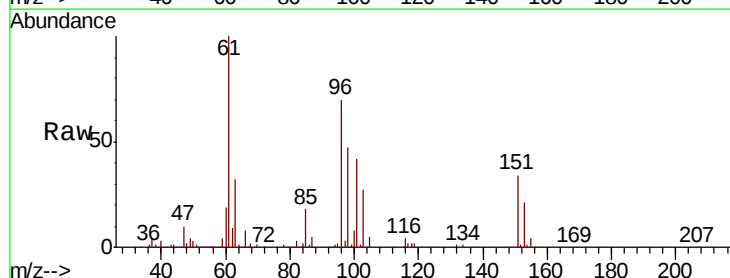
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

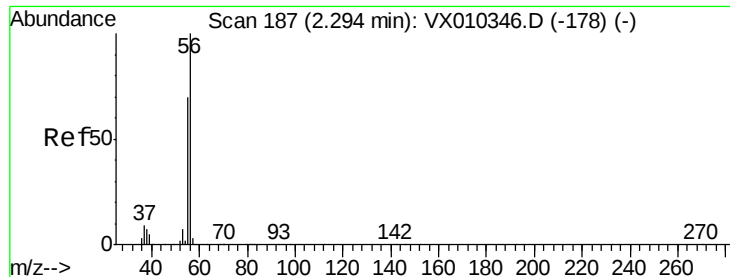
Tot Ion: 59 Resp: 77845
Ion Ratio Lower Upper
59 100
57 9.0 7.7 11.5



#12
1,1-Dichloroethene
Concen: 18.658 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 96 Resp: 49497
Ion Ratio Lower Upper
96 100
61 141.8 109.2 163.8
98 67.4 51.1 76.7





#13

Acrolein

Concen: 244.865 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

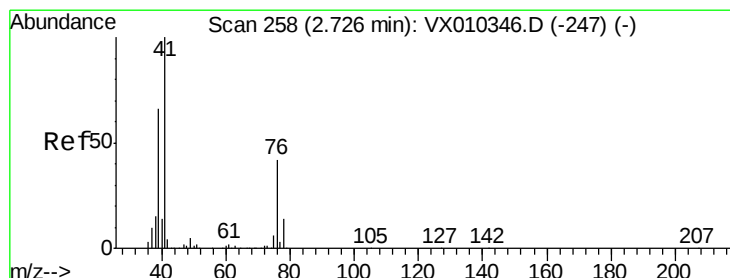
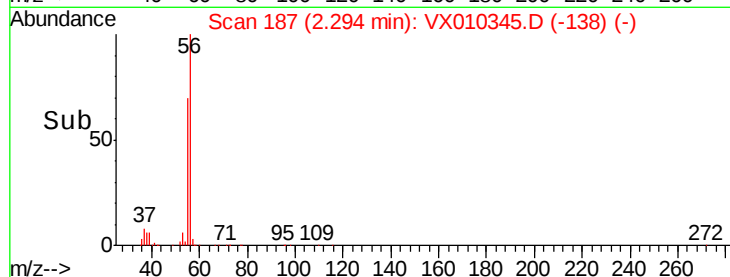
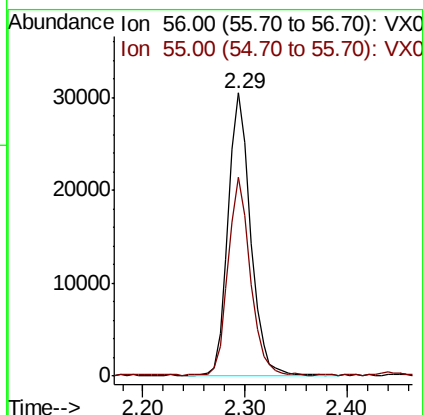
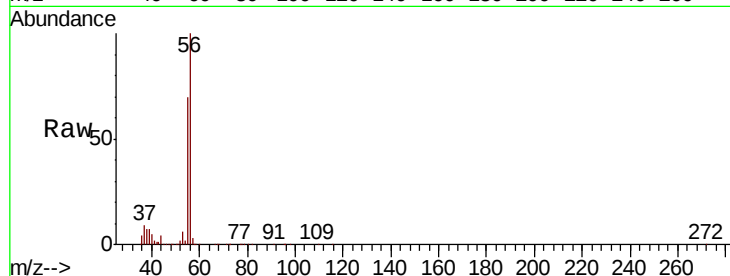
VSTDIC020

Tot Ion: 56 Resp: 46941

Ion Ratio Lower Upper

56 100

55 68.3 56.9 85.3



#14

Allyl chloride

Concen: 18.038 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

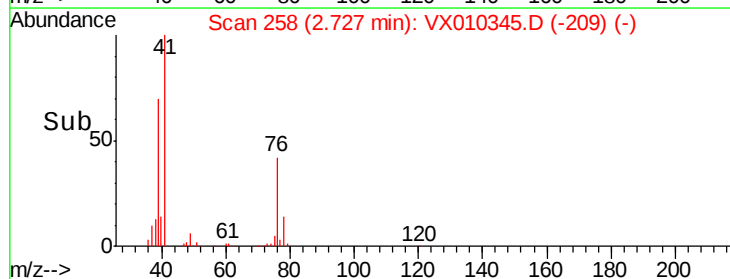
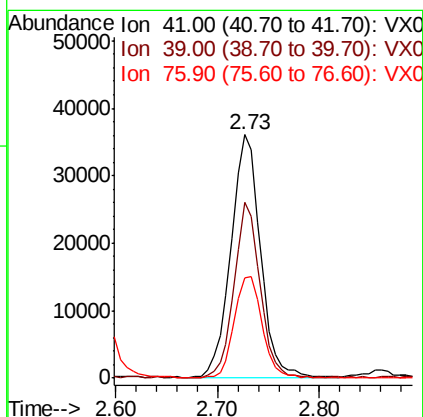
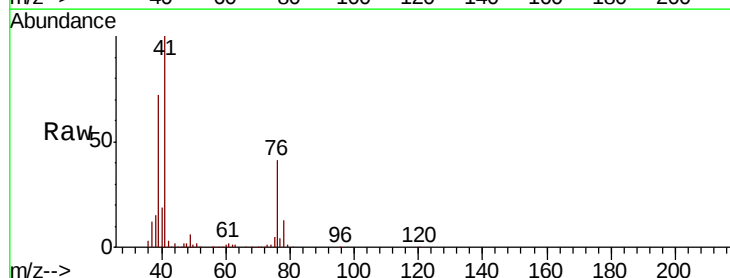
Tgt Ion: 41 Resp: 71867

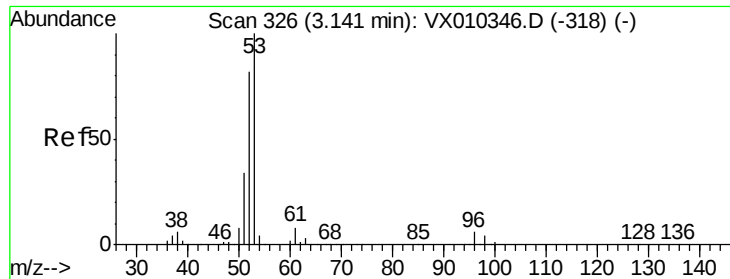
Ion Ratio Lower Upper

41 100

39 62.8 50.3 75.5

76 39.9 31.3 46.9





#15

Acrylonitrile

Concen: 99.209 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

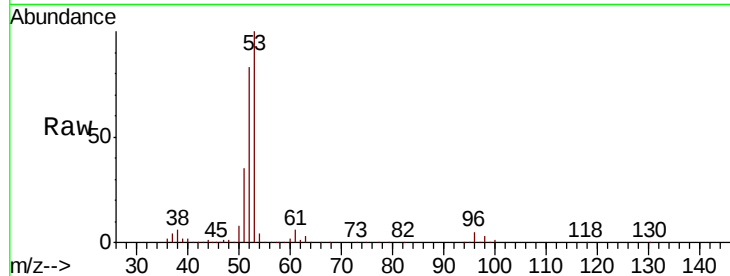
Tot Ion: 53 Resp: 143976

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

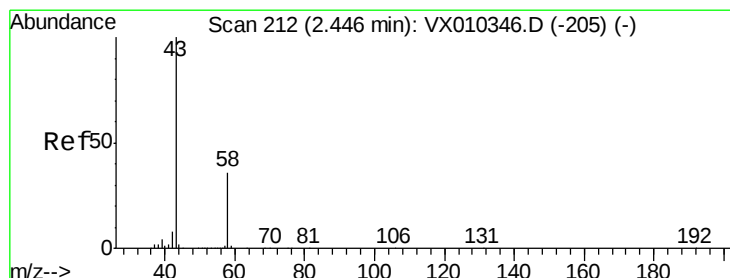
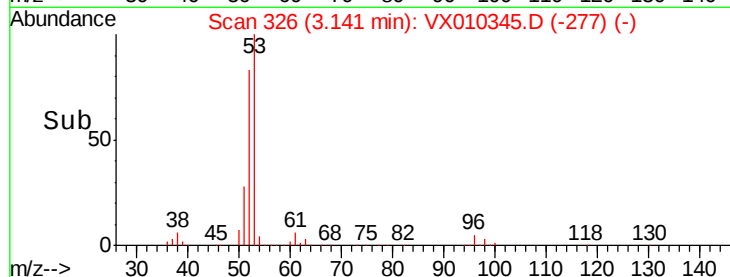
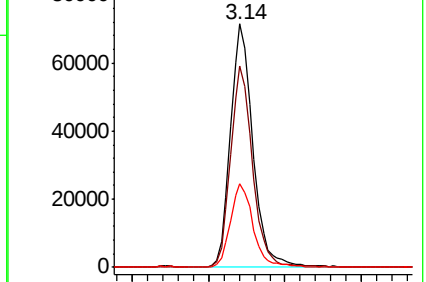
51 35.2 28.2 42.4



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: 108.989 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010345.D

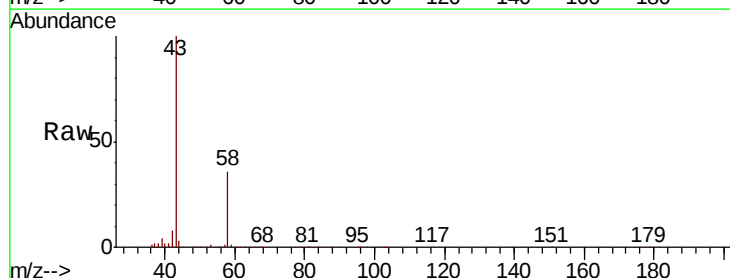
Acq: 19 Jun 2019 13:04

Tgt Ion: 43 Resp: 151015

Ion Ratio Lower Upper

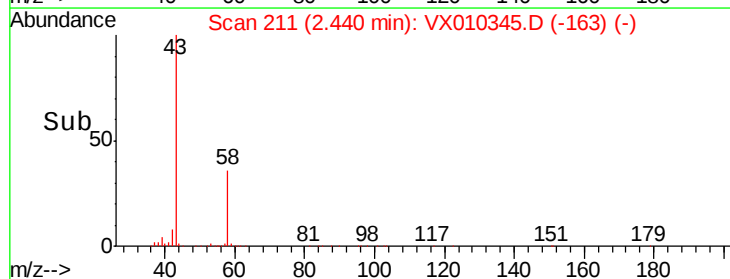
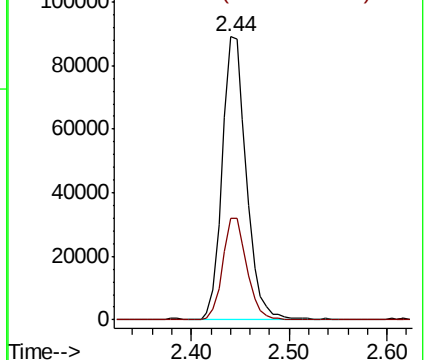
43 100

58 36.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

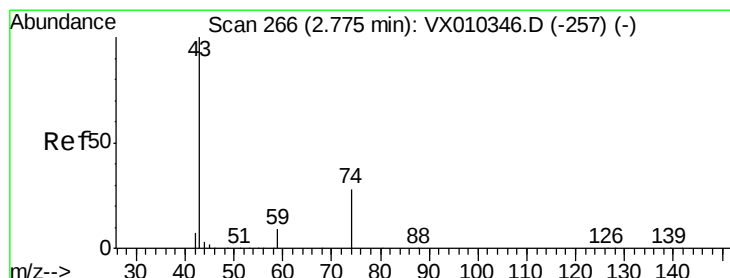
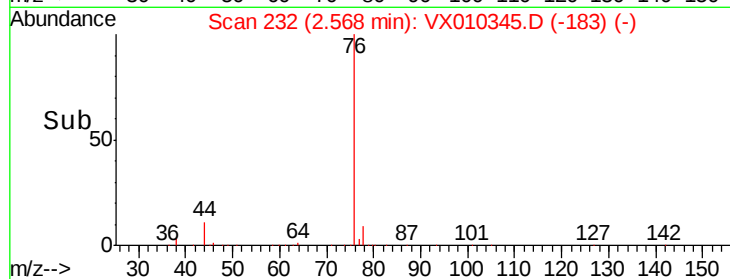
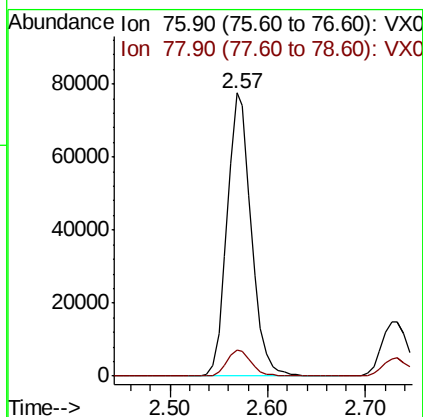
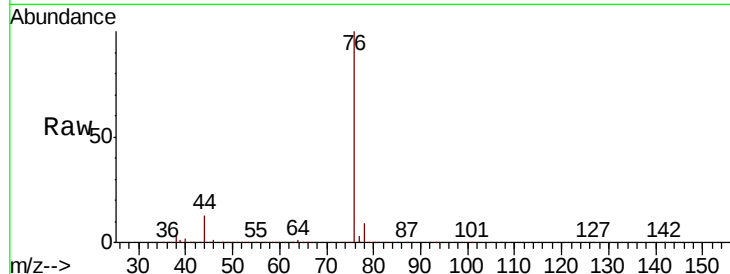




#17
Carbon Disulfide
Concen: 17.375 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

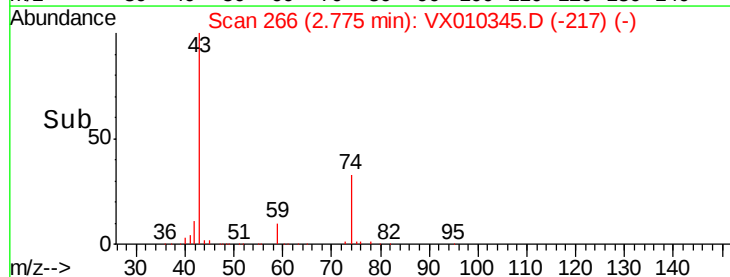
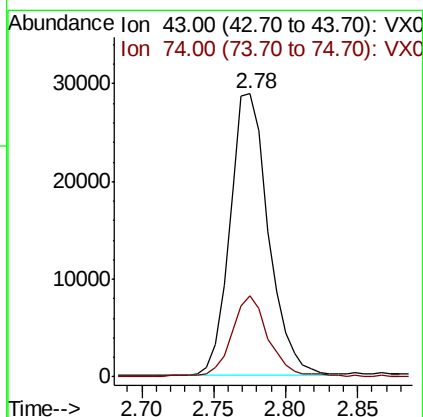
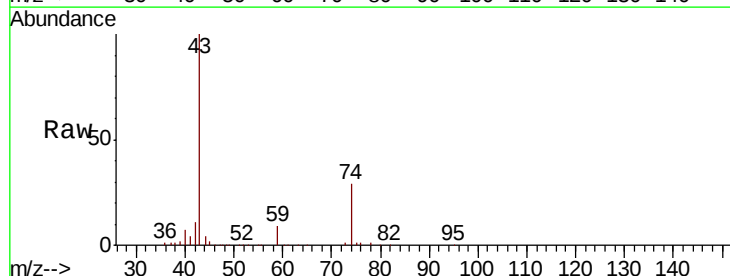
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

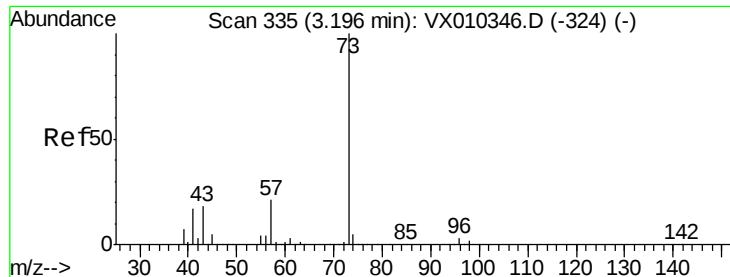
Tot Ion: 76 Resp: 132168
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 18.187 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 43 Resp: 54136
Ion Ratio Lower Upper
43 100
74 26.7 21.3 31.9



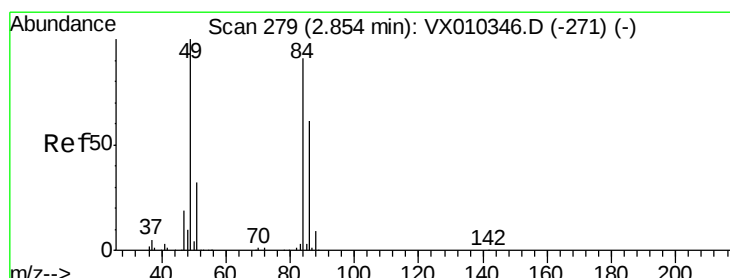
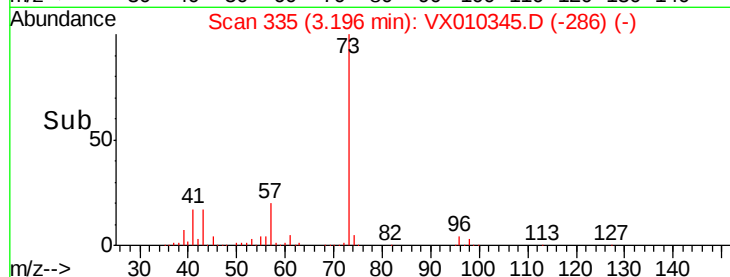
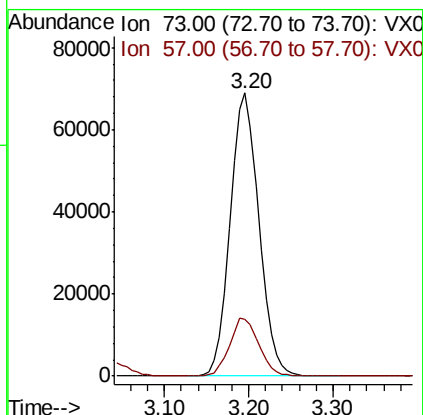
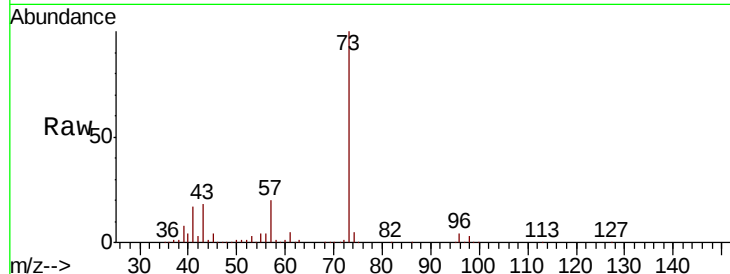


#19

Methyl tert-butyl Ether
 Concen: 18.739 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

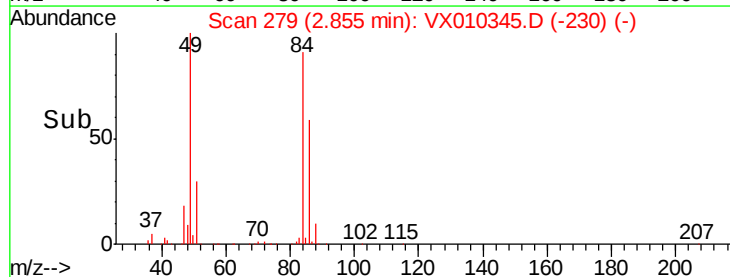
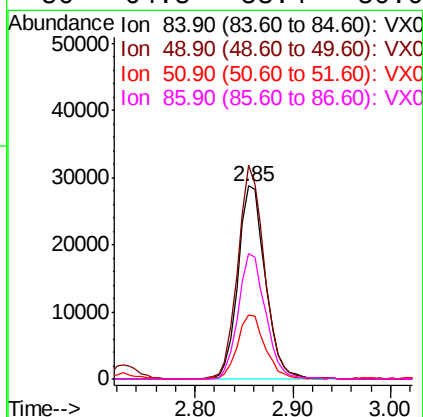
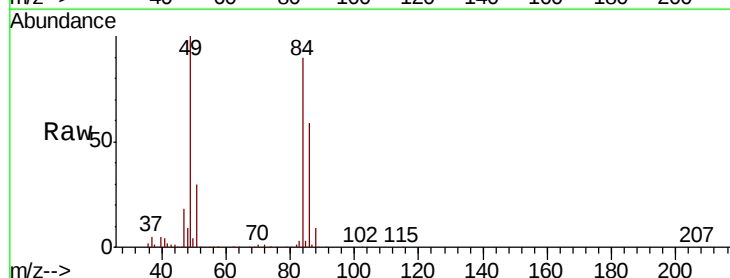
Tot Ion: 73 Resp: 159385
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.4 24.6

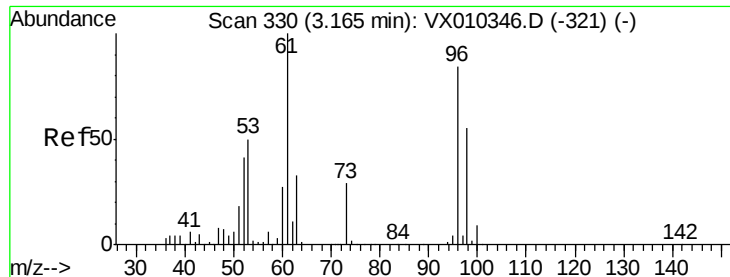


#20

Methylene Chloride
 Concen: 18.714 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion: 84 Resp: 55787
 Ion Ratio Lower Upper
 84 100
 49 110.6 87.5 131.3
 51 33.3 27.7 41.5
 86 64.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.234 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

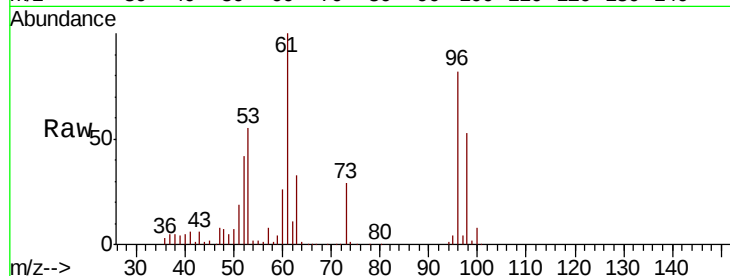
Tot Ion: 96 Resp: 53440

Ion Ratio Lower Upper

96 100

61 121.6 95.6 143.4

98 64.8 52.5 78.7

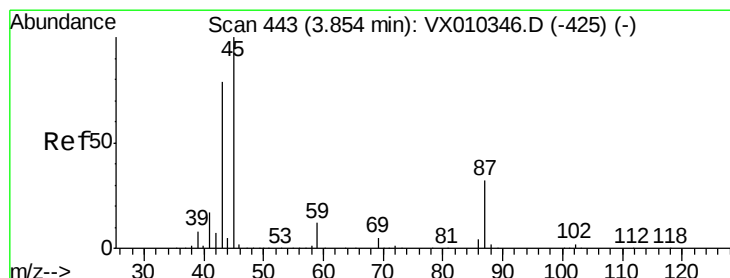
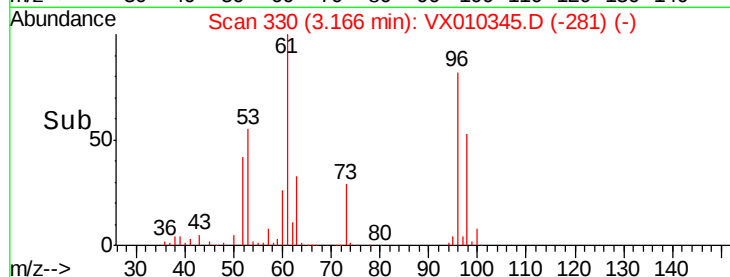
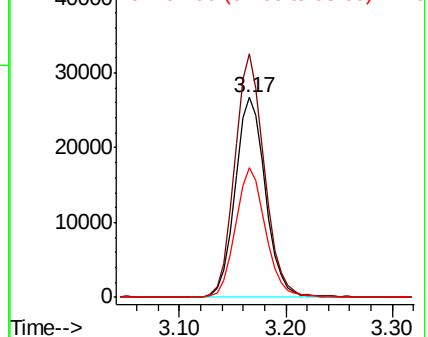


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.587 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion: 45 Resp: 150149

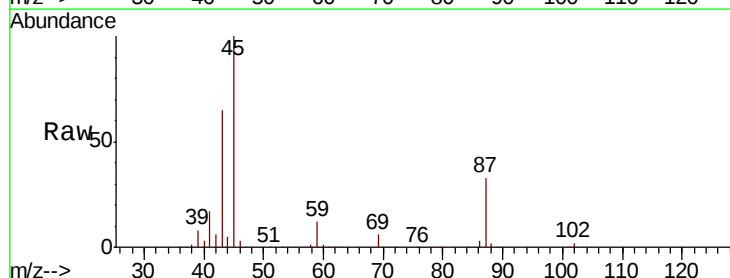
Ion Ratio Lower Upper

45 100

43 64.8 63.3 94.9

87 33.1 25.8 38.8

59 12.0 9.6 14.4



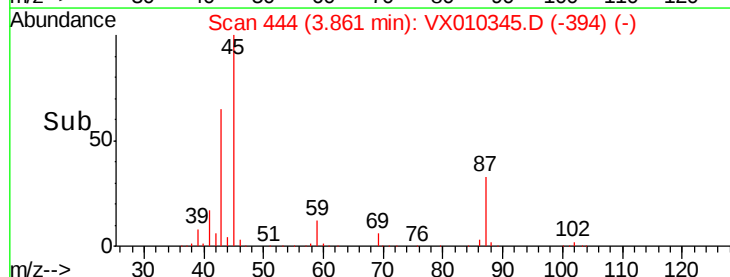
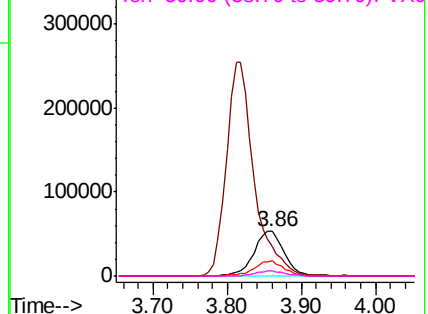
Abundance

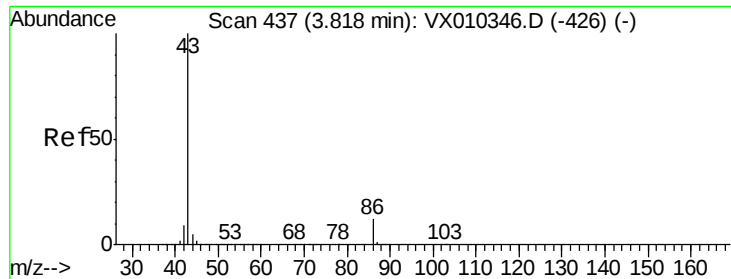
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.040 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

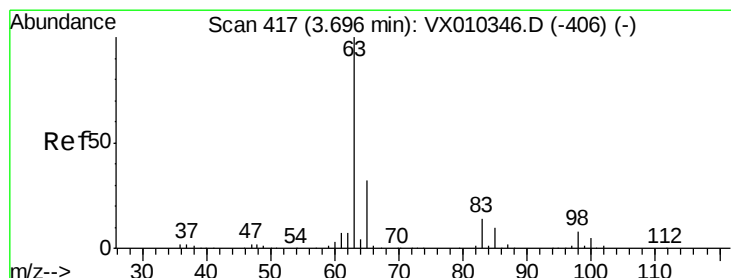
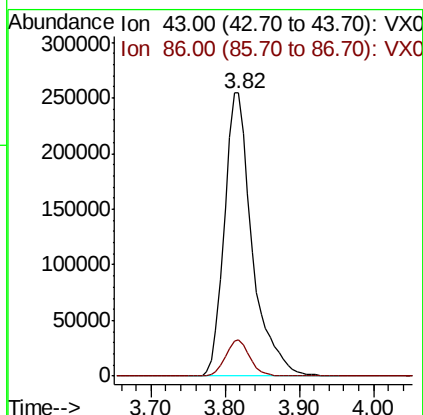
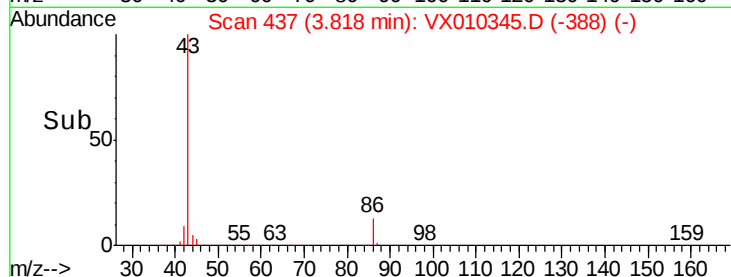
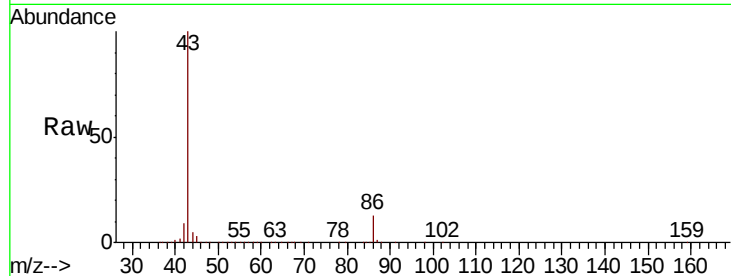
VSTDIC020

Tot Ion: 43 Resp: 663769

Ion Ratio Lower Upper

43 100

86 12.9 9.9 14.9



#24

1,1-Dichloroethane

Concen: 18.693 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

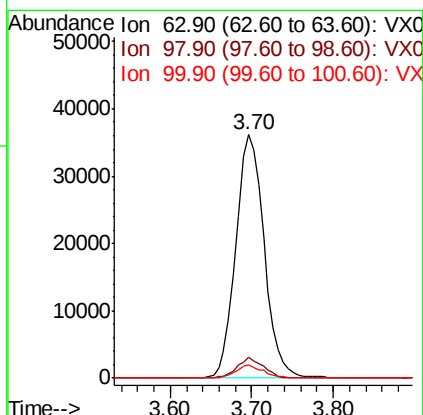
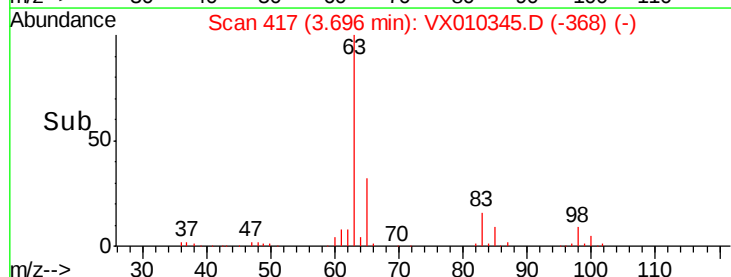
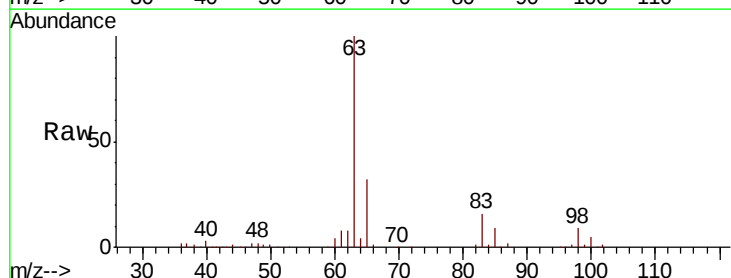
Tgt Ion: 63 Resp: 86887

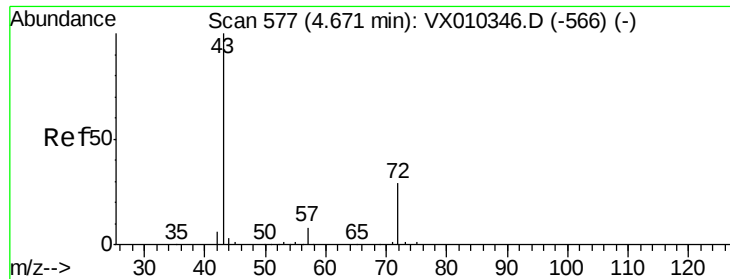
Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.7

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 103.916 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

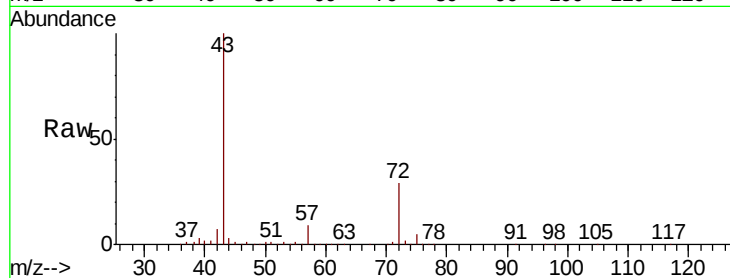
VSTDIC020

Tot Ion: 43 Resp: 212056

Ion Ratio Lower Upper

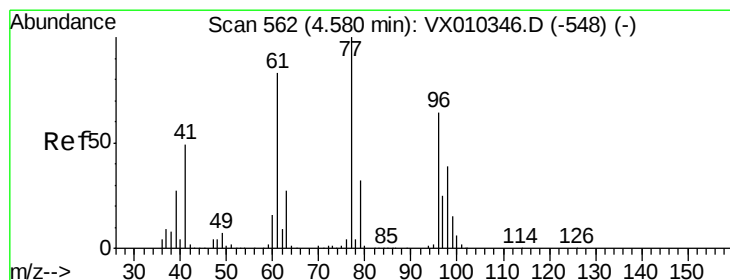
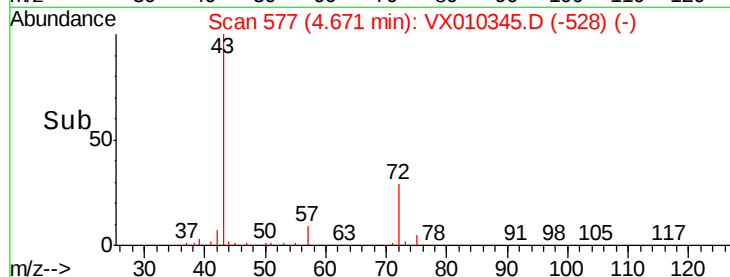
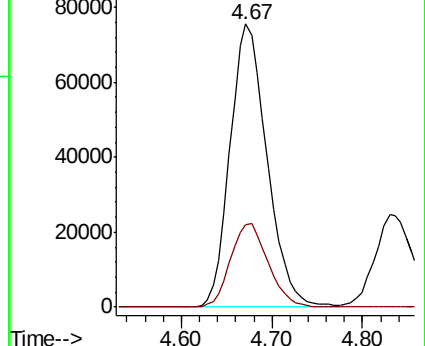
43 100

72 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.993 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010345.D

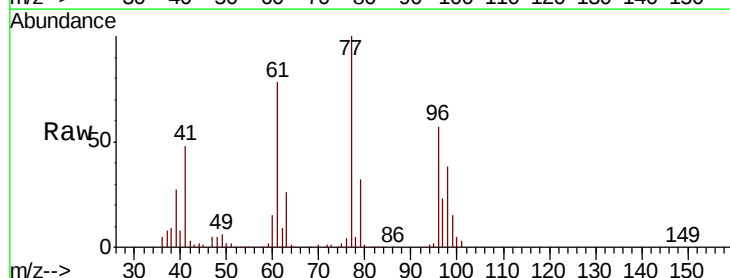
Acq: 19 Jun 2019 13:04

Tgt Ion: 77 Resp: 75495

Ion Ratio Lower Upper

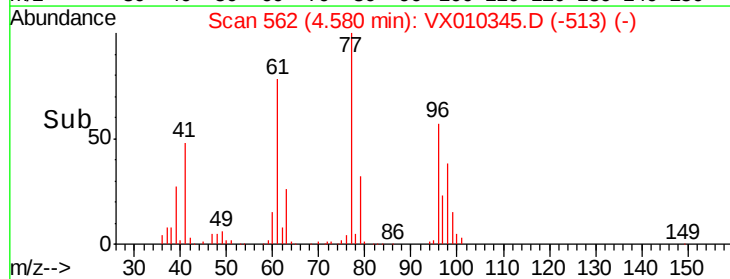
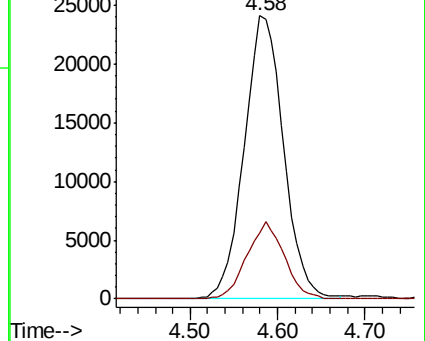
77 100

97 25.9 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



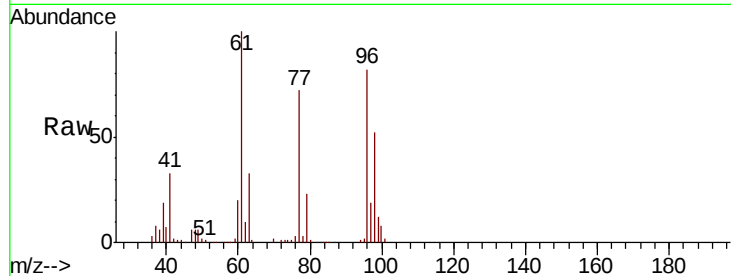


#27

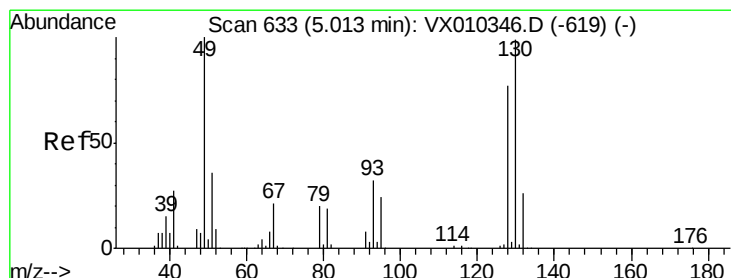
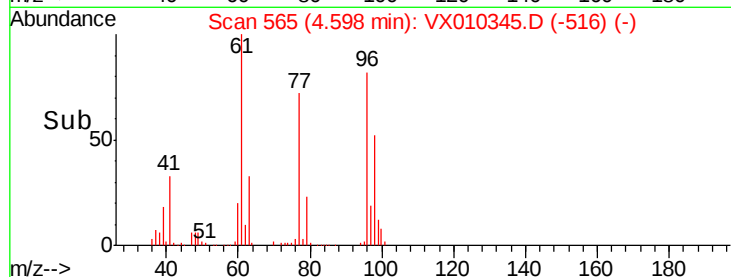
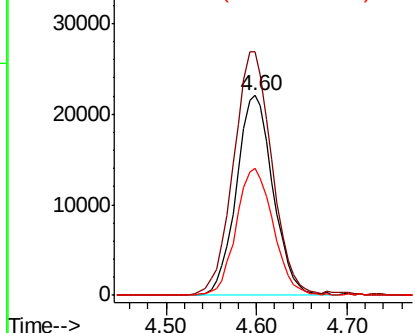
cis-1,2-Dichloroethene
 Concen: 18.922 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	251.8
98	64.2	0.0	129.4



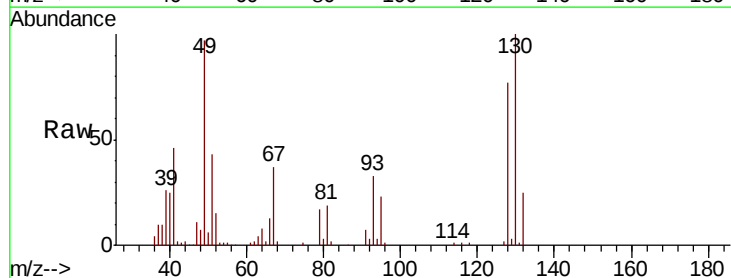
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



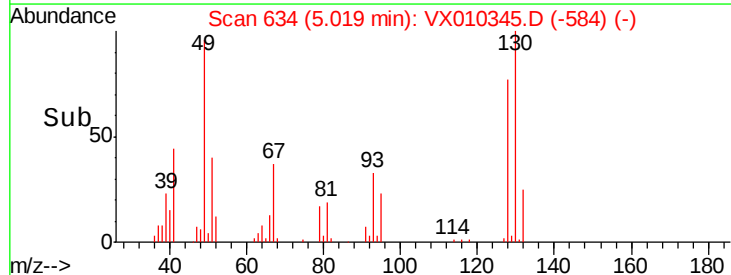
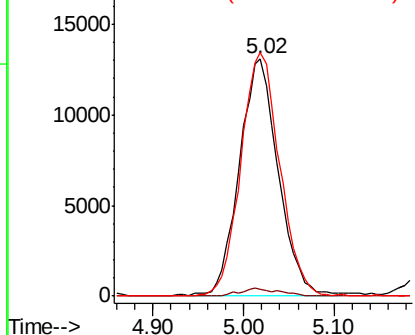
#28

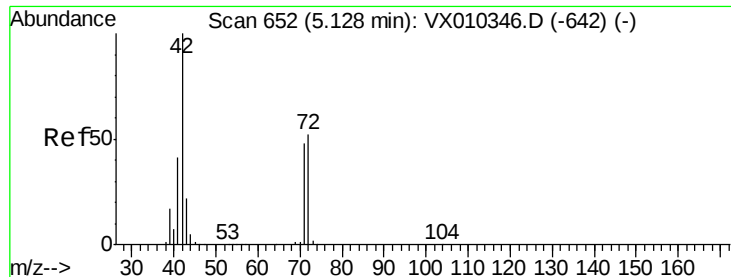
Bromochloromethane
 Concen: 18.596 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	102.6	81.4	122.0



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: 96.176 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

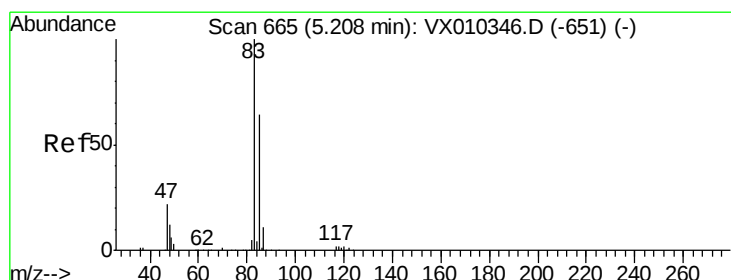
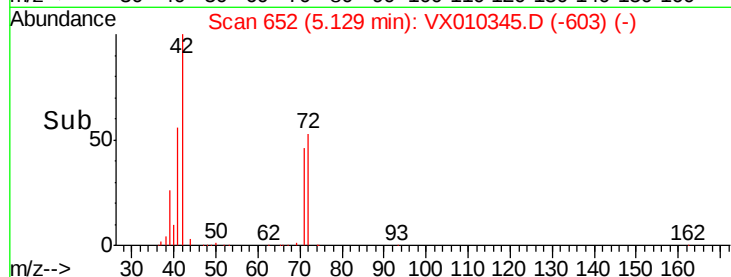
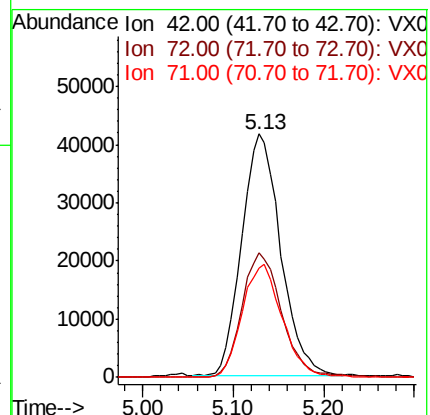
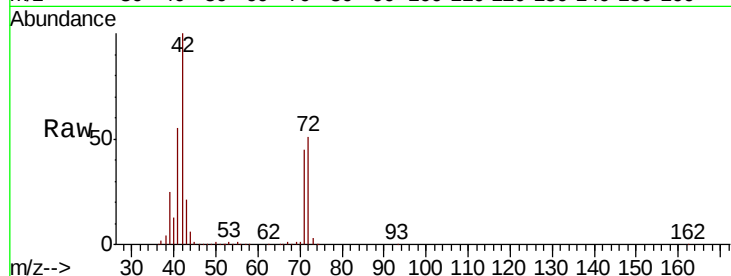
Tot Ion: 42 Resp: 122872

Ion Ratio Lower Upper

42 100

72 53.4 40.6 60.8

71 48.4 37.8 56.8



#30

Chloroform

Concen: 19.059 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010345.D

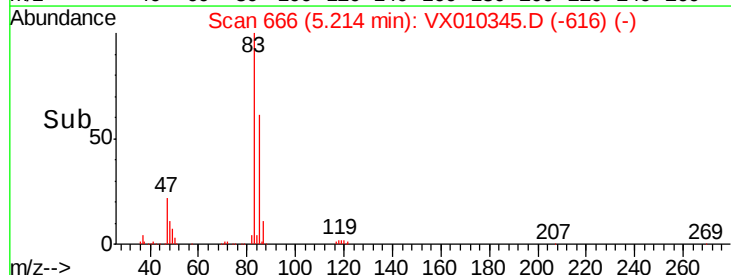
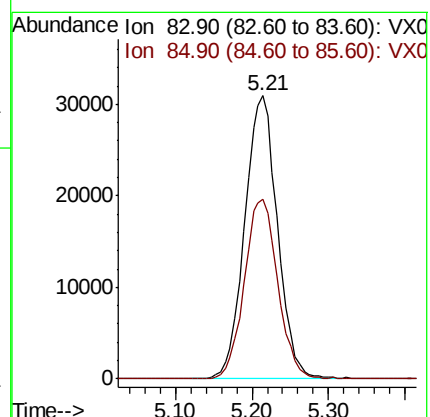
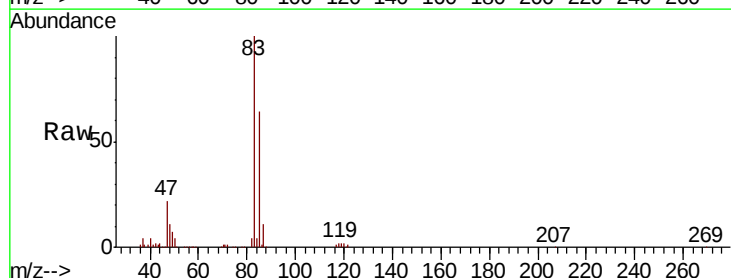
Acq: 19 Jun 2019 13:04

Tgt Ion: 83 Resp: 92039

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3





#31

Cyclohexane

Concen: 19.028 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

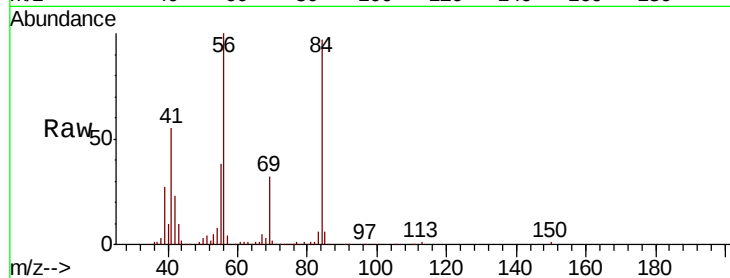
Tot Ion: 56 Resp: 79348

Ion Ratio Lower Upper

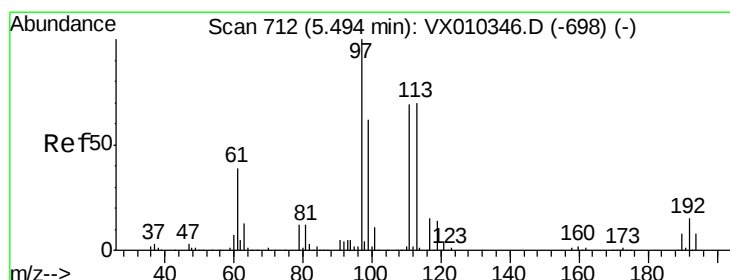
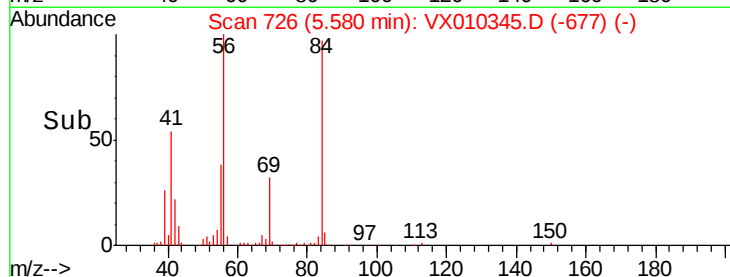
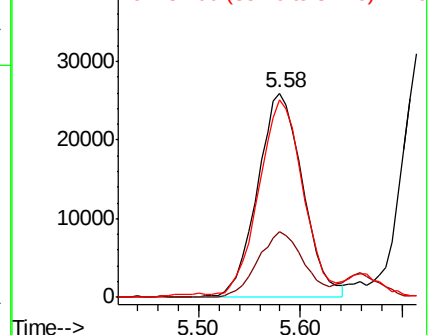
56 100

69 32.4 25.9 38.9

84 94.9 78.0 117.0



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



#32

1,1,1-Trichloroethane

Concen: 17.999 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

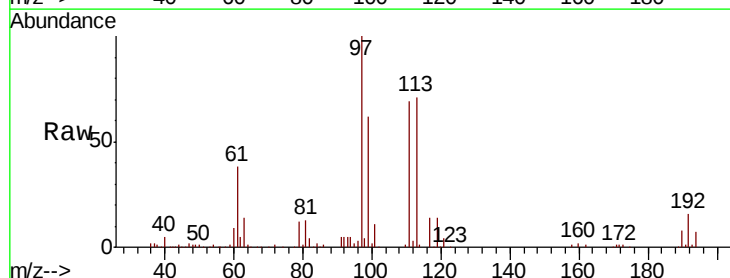
Tgt Ion: 97 Resp: 81570

Ion Ratio Lower Upper

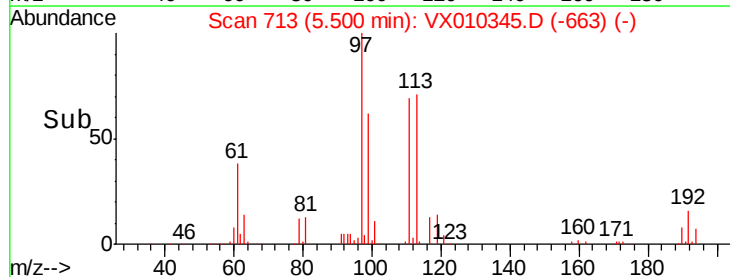
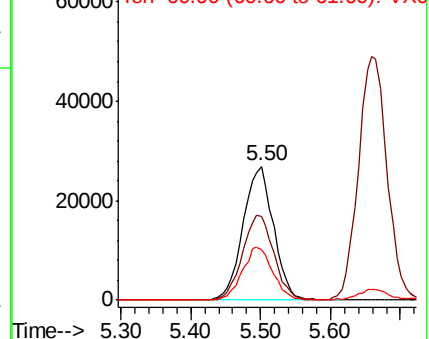
97 100

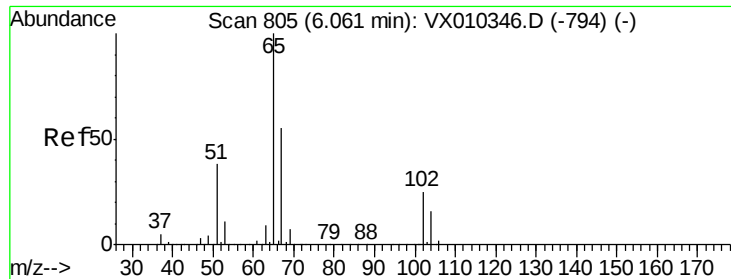
99 64.8 51.8 77.8

61 39.8 32.1 48.1



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

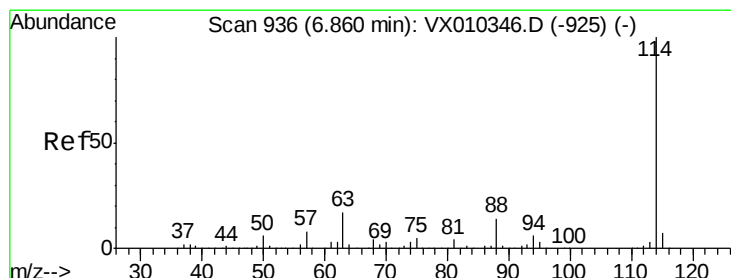
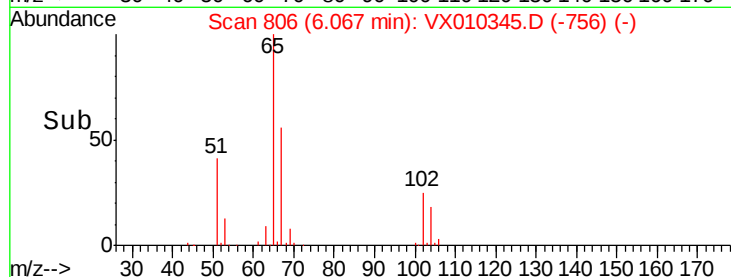
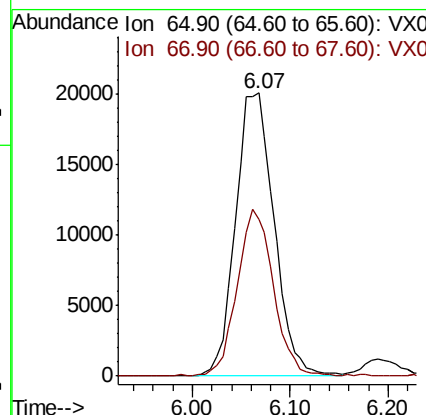
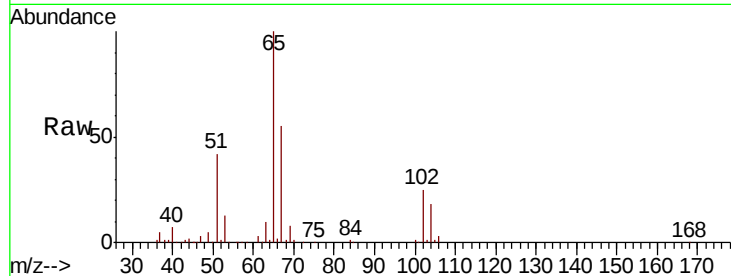




#33
 1,2-Dichloroethane-d4
 Concen: 19.030 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

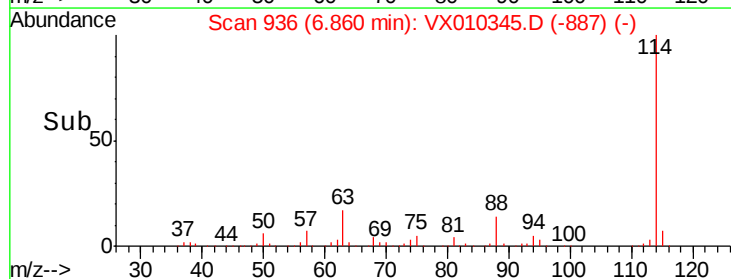
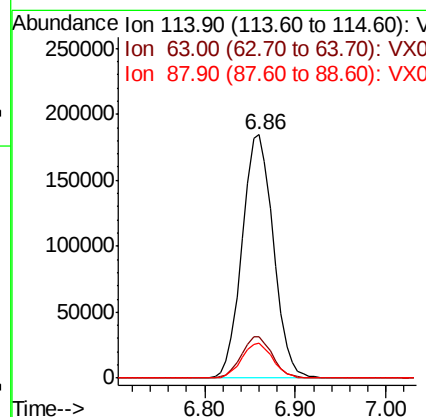
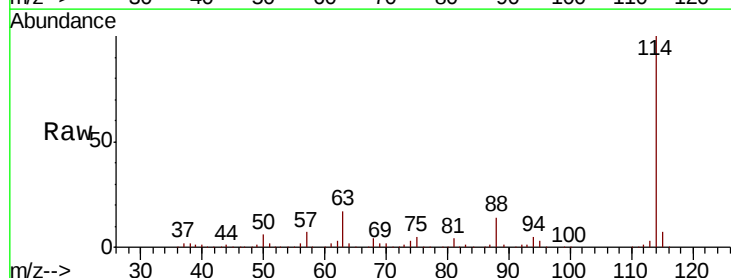
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

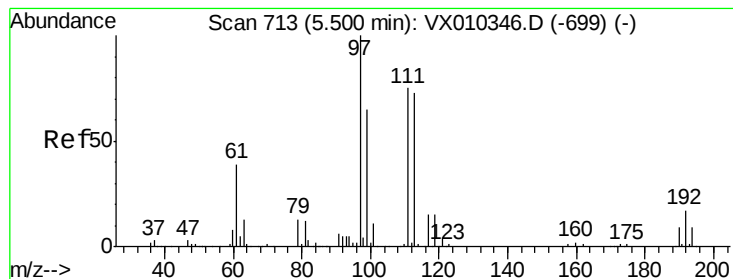
Tot Ion: 65 Resp: 54996
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion: 114 Resp: 441484
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 19.604 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

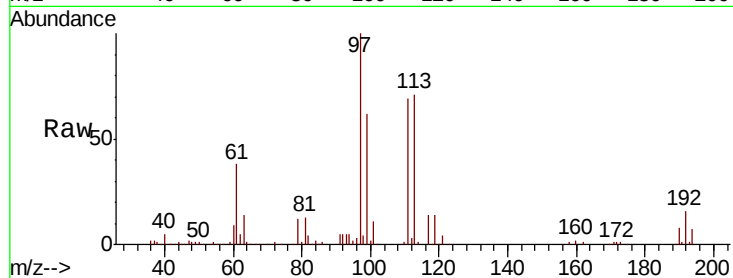
Tot Ion:113 Resp: 53720

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

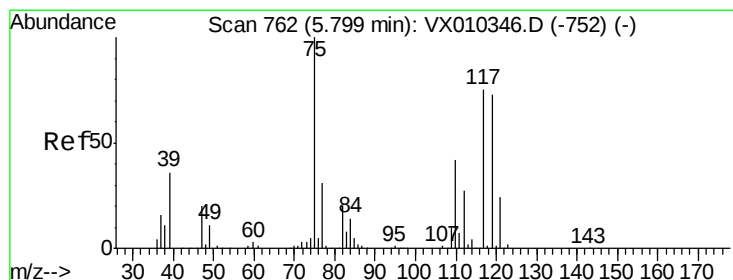
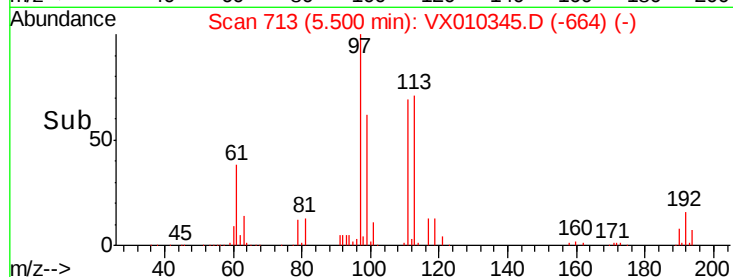
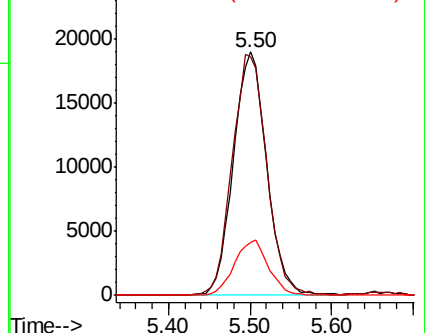
192 23.0 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.412 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

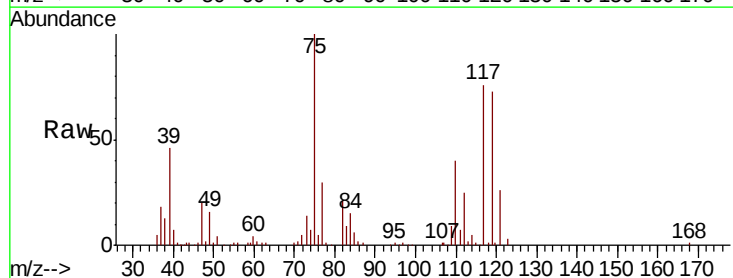
Tgt Ion: 75 Resp: 66232

Ion Ratio Lower Upper

75 100

110 42.4 20.8 62.2

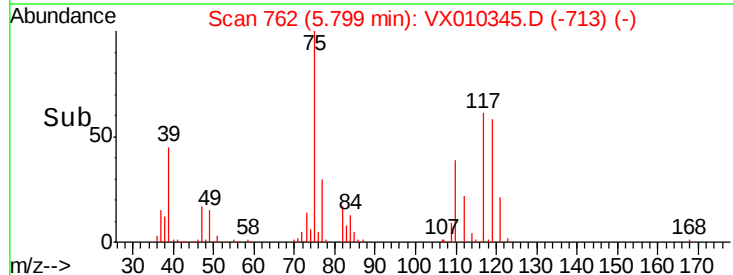
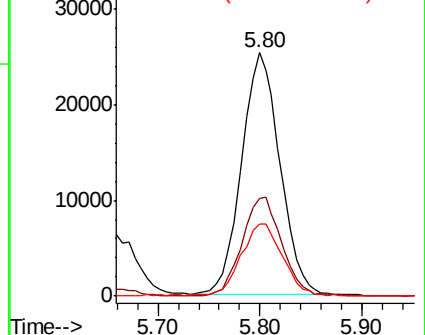
77 32.3 25.4 38.0

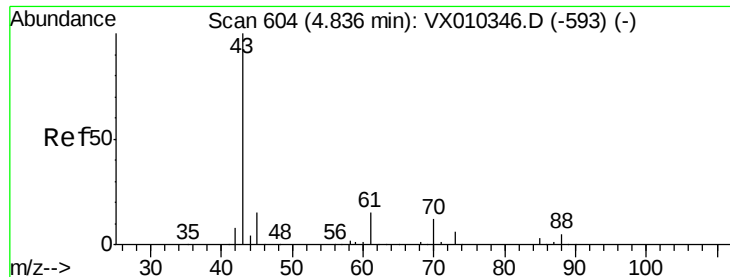


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.164 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

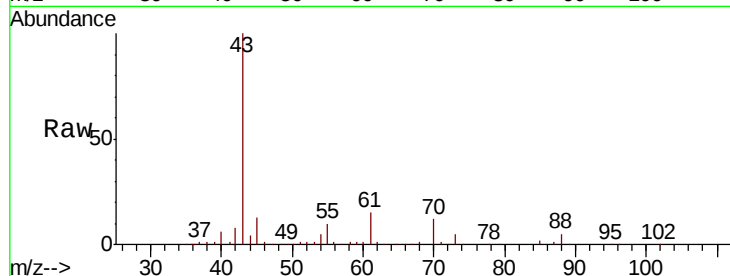
Tot Ion: 43 Resp: 72056

Ion Ratio Lower Upper

43 100

61 16.7 12.4 18.6

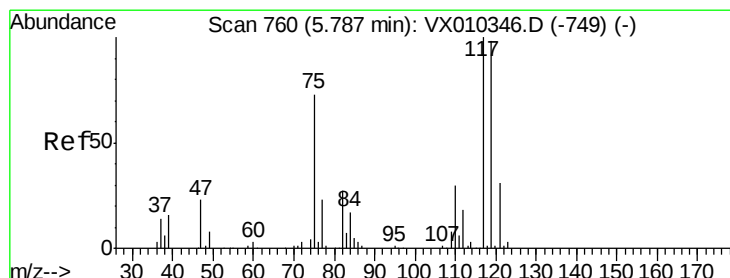
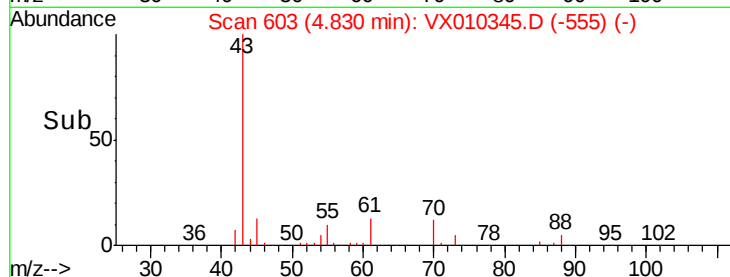
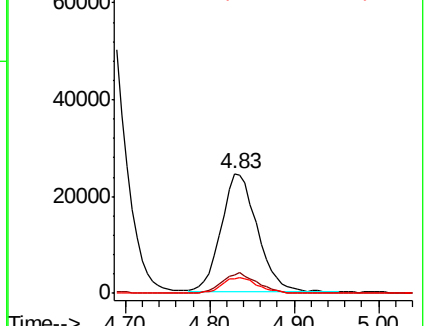
70 13.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.325 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

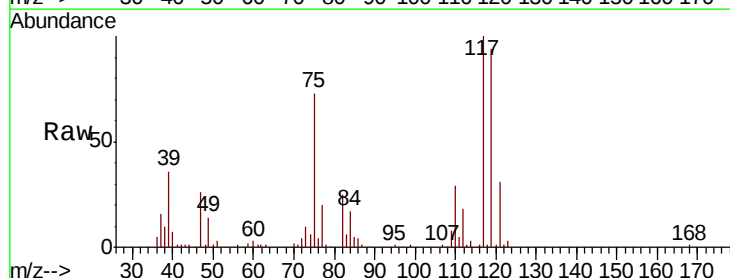
Tgt Ion: 117 Resp: 74471

Ion Ratio Lower Upper

117 100

119 93.5 78.2 117.4

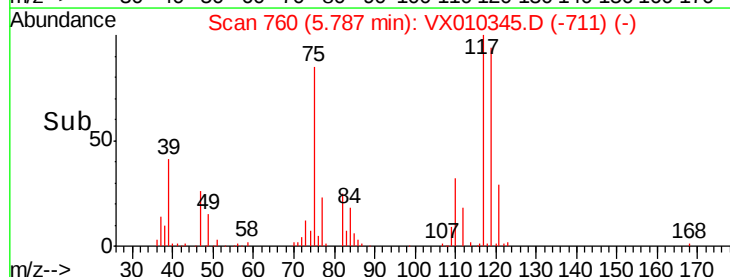
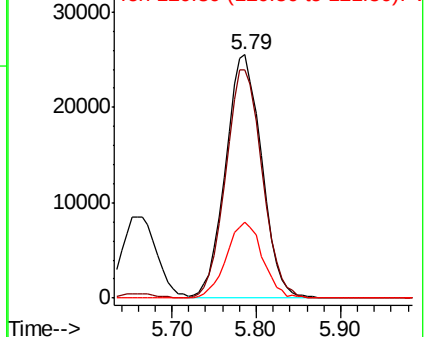
121 31.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

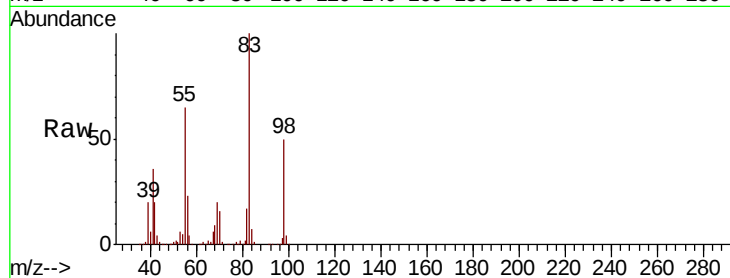




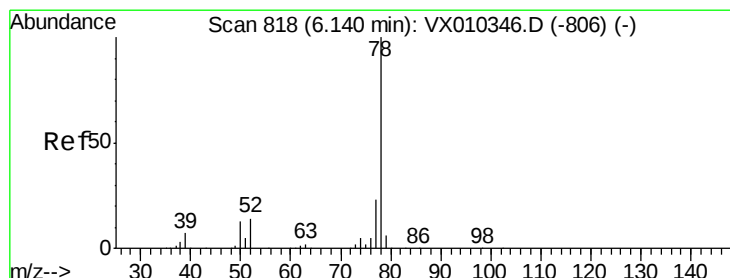
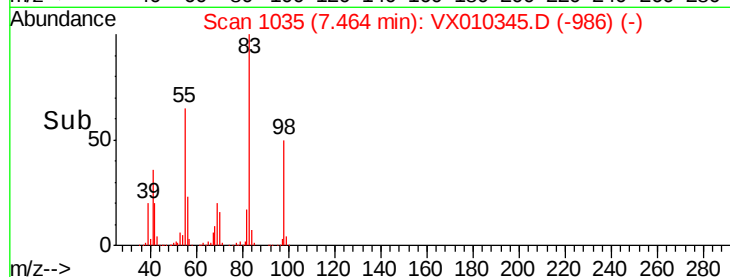
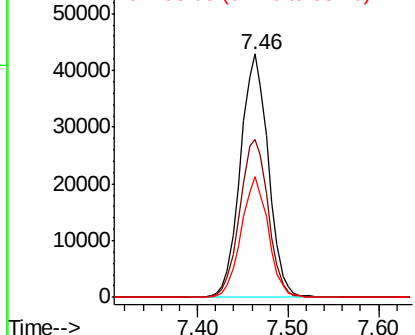
#39
Methvlcvclohexane
Concen: 18.790 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 91716
Ion Ratio Lower Upper
83 100
55 64.7 53.0 79.6
98 49.7 37.8 56.8

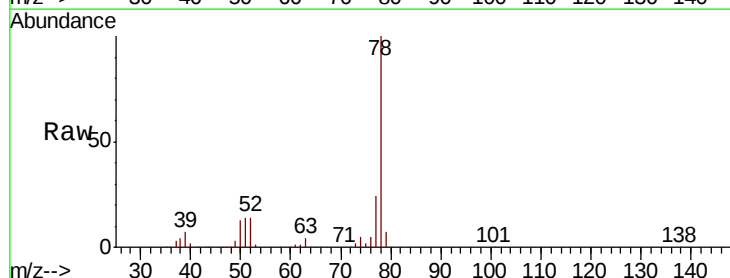


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

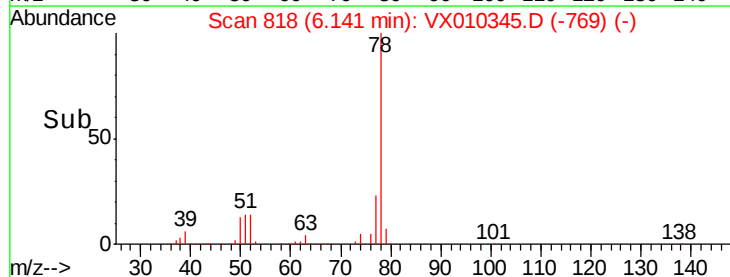
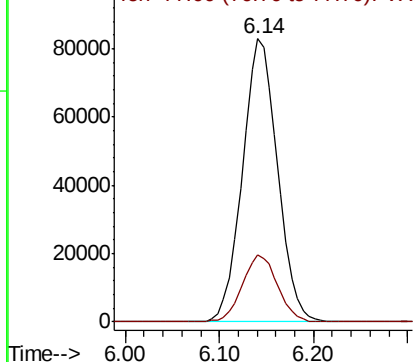


#40
Benzene
Concen: 19.375 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 78 Resp: 216000
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

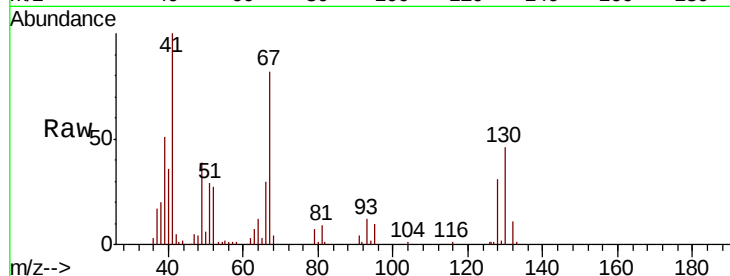




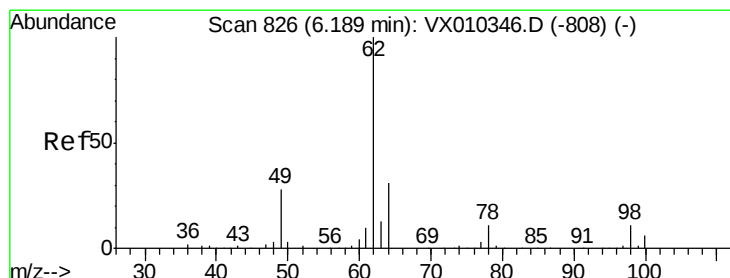
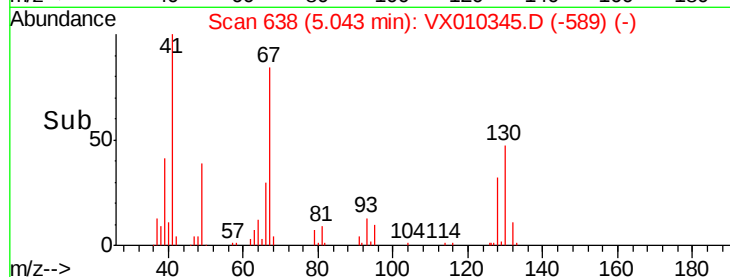
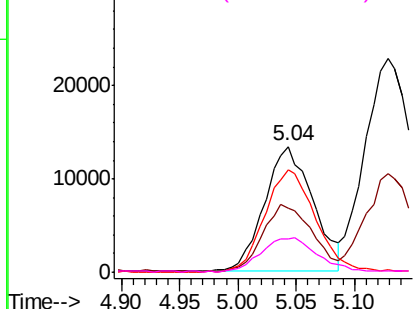
#41
Methacrylonitrile
Concen: 19.102 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 38725
Ion Ratio Lower Upper
41 100
39 53.3 43.8 65.8
67 85.8 66.6 100.0
52 32.3 24.5 36.7

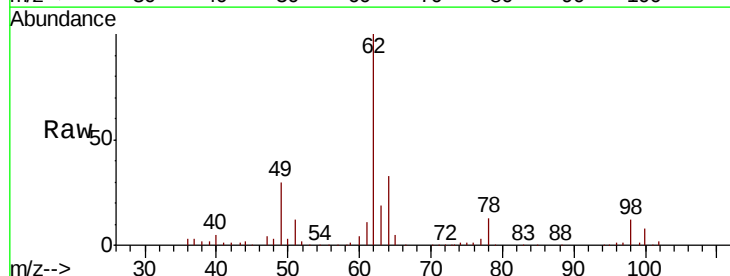


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

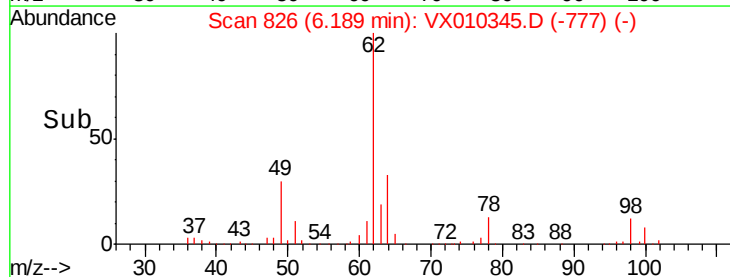
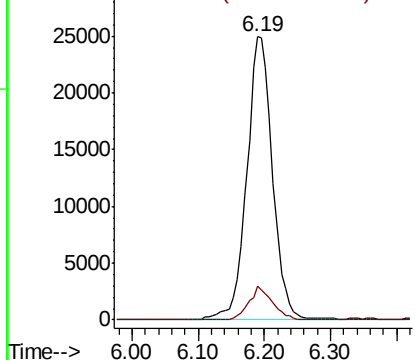


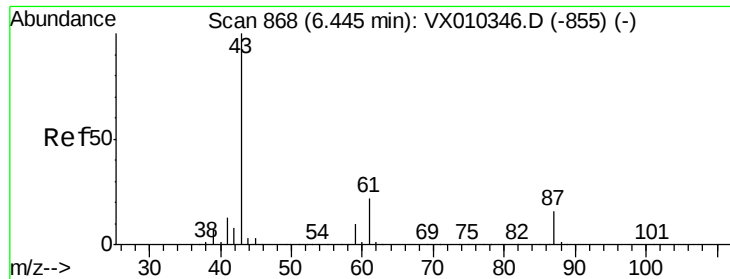
#42
1,2-Dichloroethane
Concen: 19.132 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 62 Resp: 67832
Ion Ratio Lower Upper
62 100
98 10.7 0.0 22.2



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



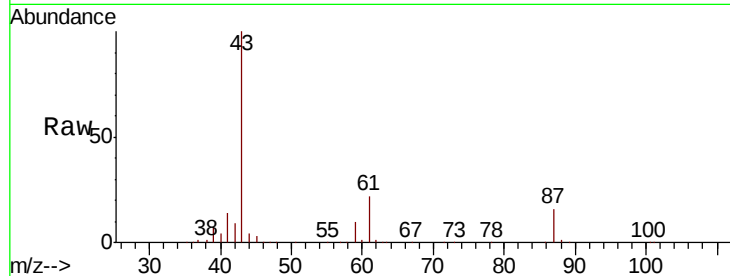


#43

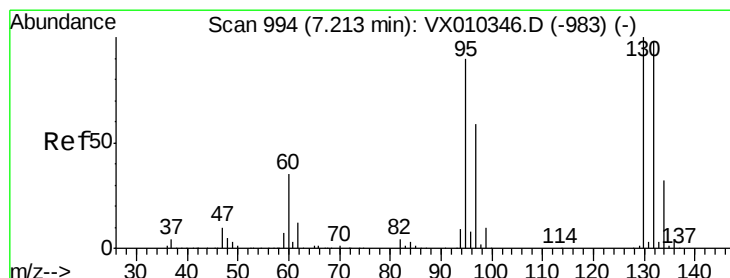
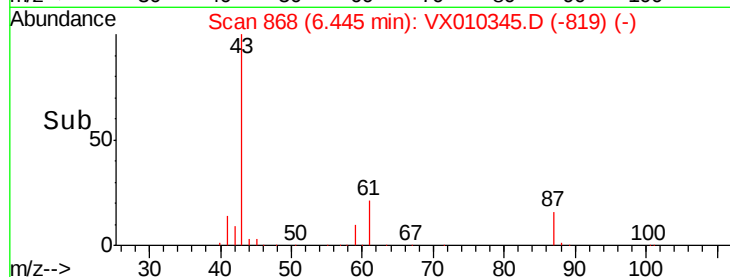
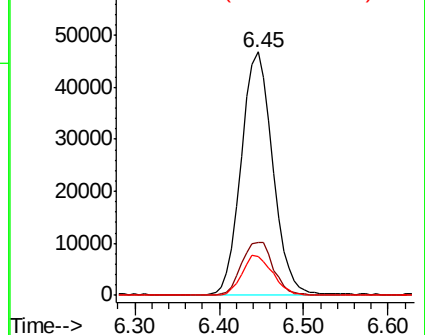
Isopropyl Acetate
 Concen: 18.802 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 117695
 Ion Ratio Lower Upper
 43 100
 61 22.4 17.8 26.6
 87 16.3 13.0 19.4



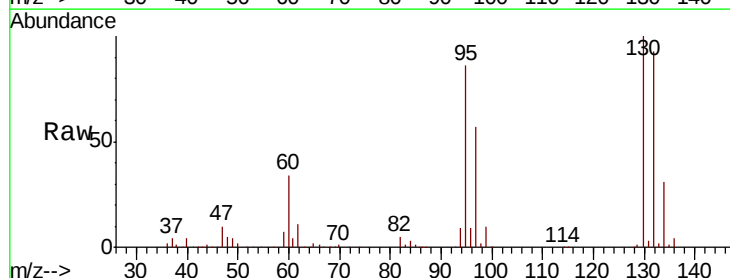
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



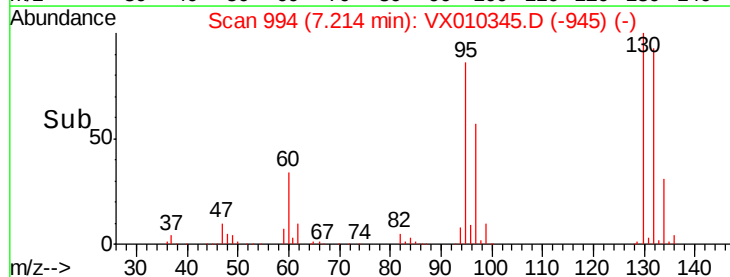
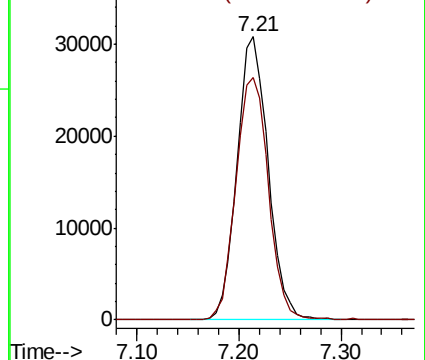
#44

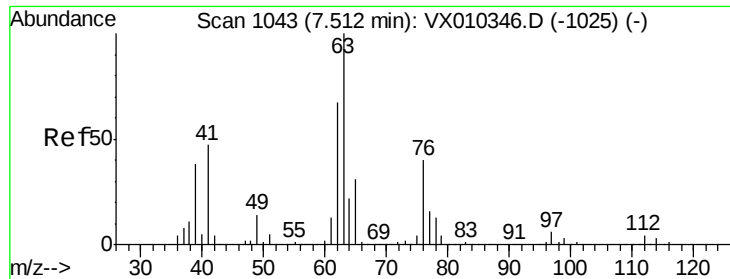
Trichloroethene
 Concen: 19.365 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion:130 Resp: 65146
 Ion Ratio Lower Upper
 130 100
 95 85.7 0.0 180.8



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





#45

1,2-Dichloropropane

Concen: 19.068 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

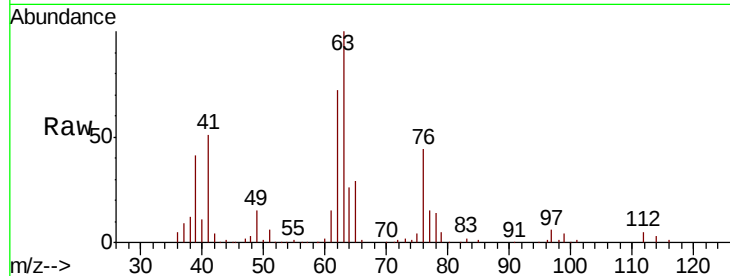
VSTDIC020

Tot Ion: 63 Resp: 53205

Ion Ratio Lower Upper

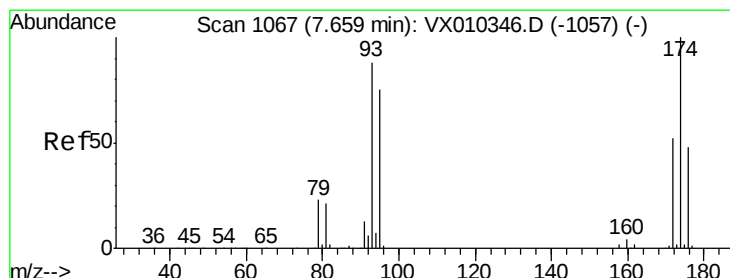
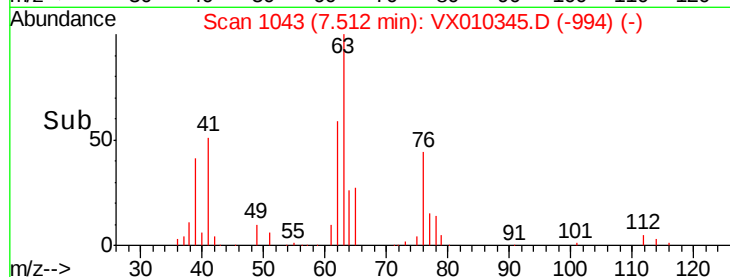
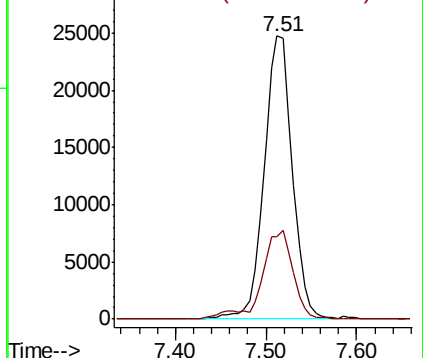
63 100

65 28.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.744 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

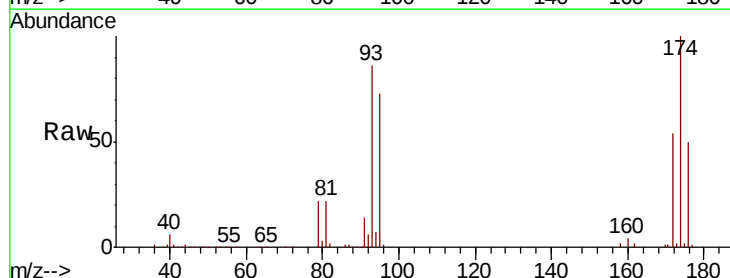
Tgt Ion: 93 Resp: 39215

Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

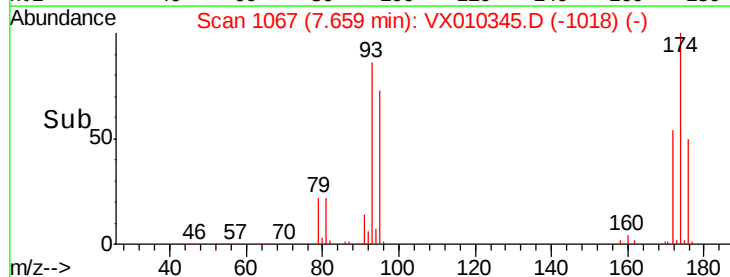
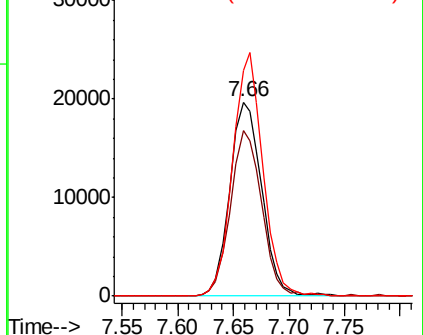
174 118.5 95.8 143.6

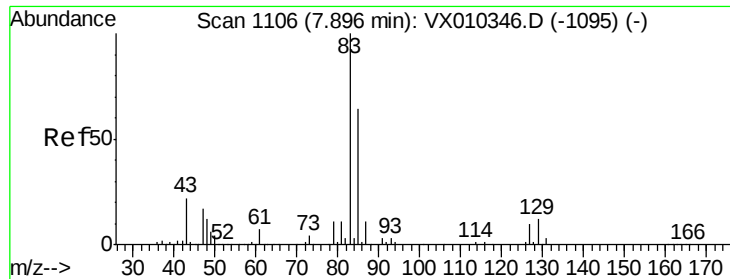


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.116 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

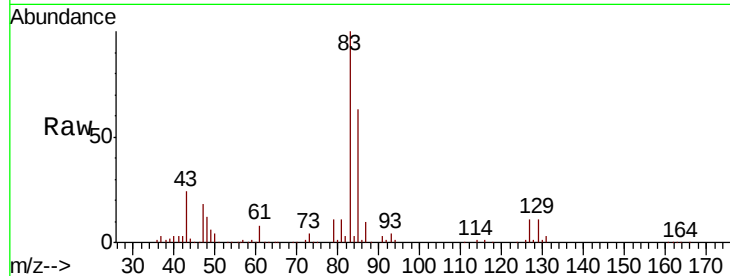
Tot Ion: 83 Resp: 70366

Ion Ratio Lower Upper

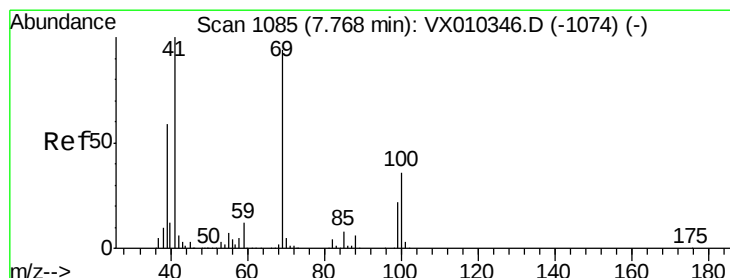
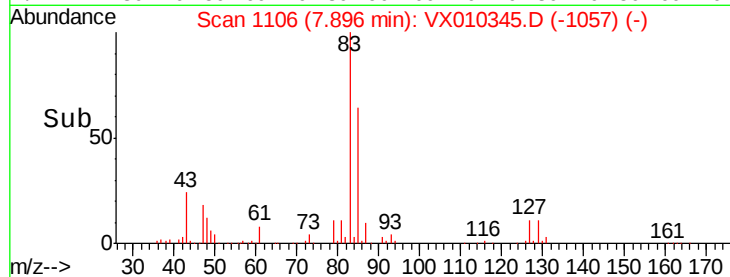
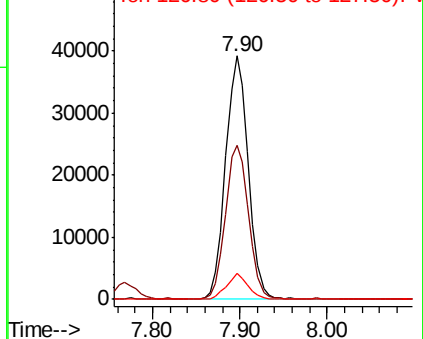
83 100

85 63.4 51.5 77.3

127 10.7 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.088 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

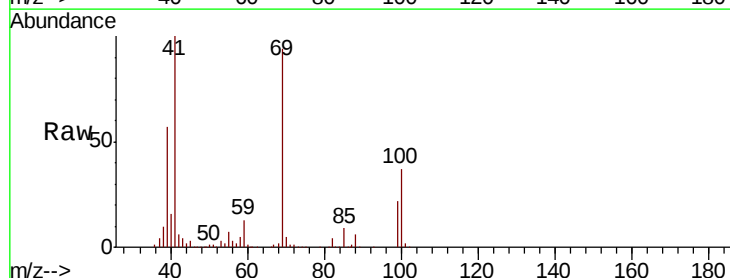
Tgt Ion: 41 Resp: 55687

Ion Ratio Lower Upper

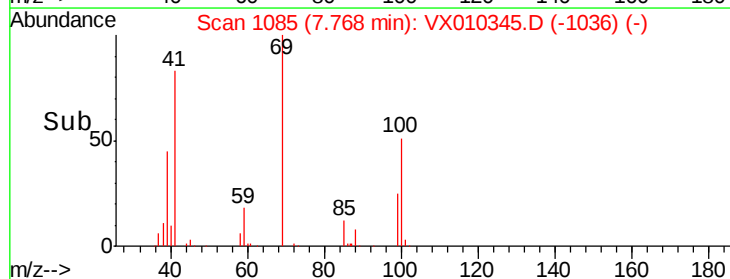
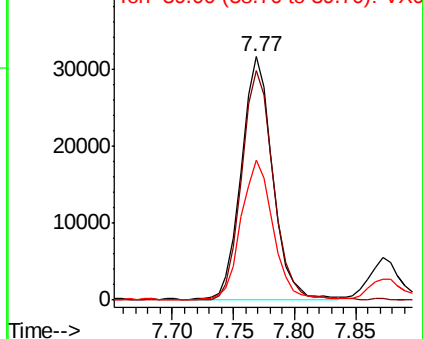
41 100

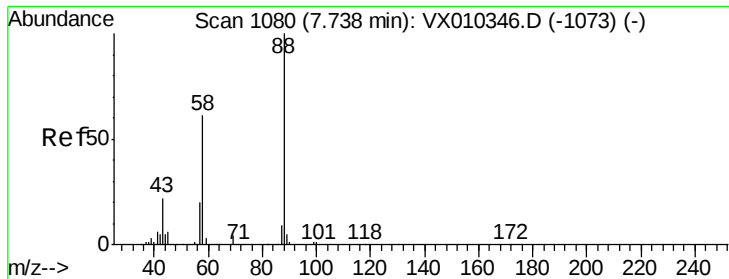
69 96.4 76.1 114.1

39 58.5 47.6 71.4



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: 392.495 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

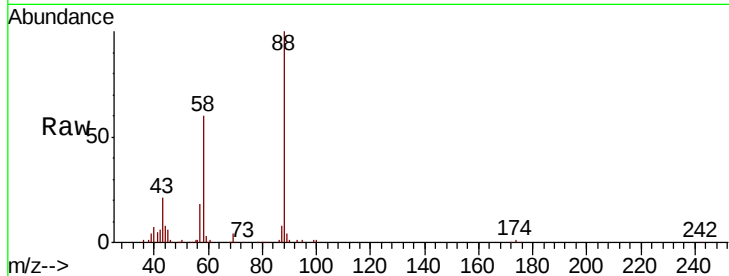
Tot Ion: 88 Resp: 32759

Ion Ratio Lower Upper

88 100

43 26.3 20.2 30.2

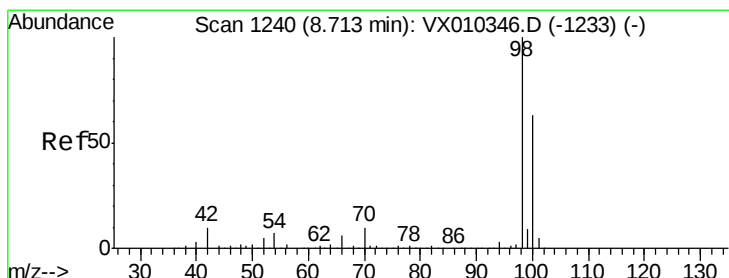
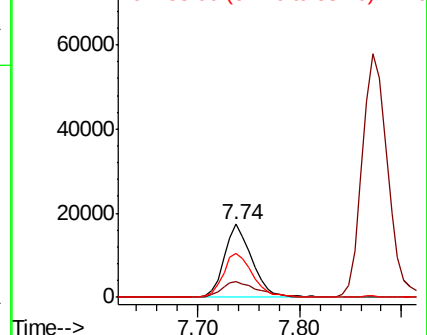
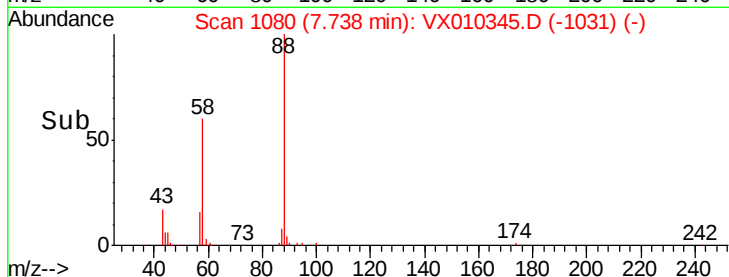
58 65.0 49.5 74.3



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: 19.813 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010345.D

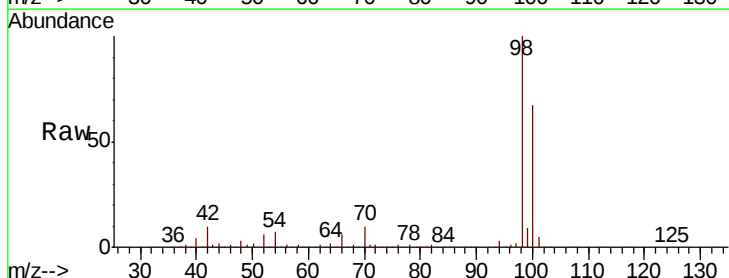
Acq: 19 Jun 2019 13:04

Tgt Ion: 98 Resp: 203846

Ion Ratio Lower Upper

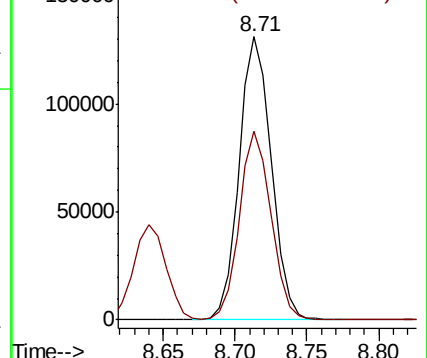
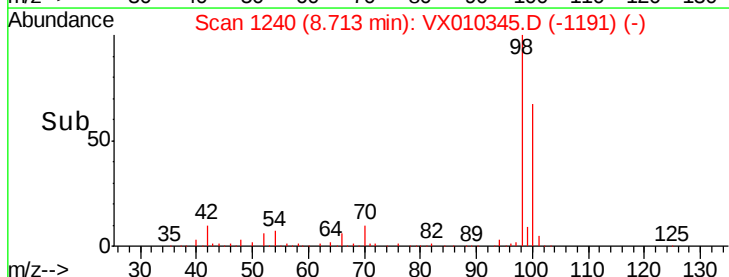
98 100

100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 102.321 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

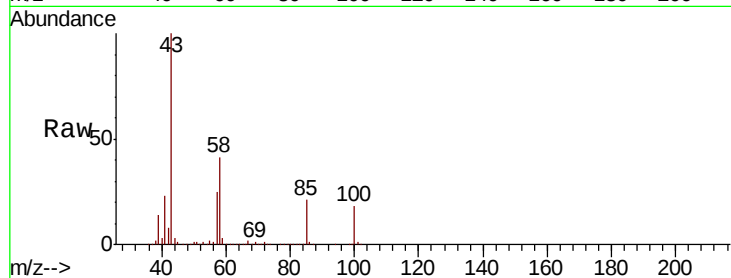
VSTDIC020

Tot Ion: 43 Resp: 384618

Ion Ratio Lower Upper

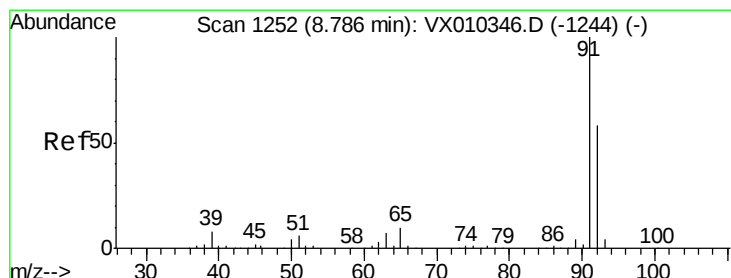
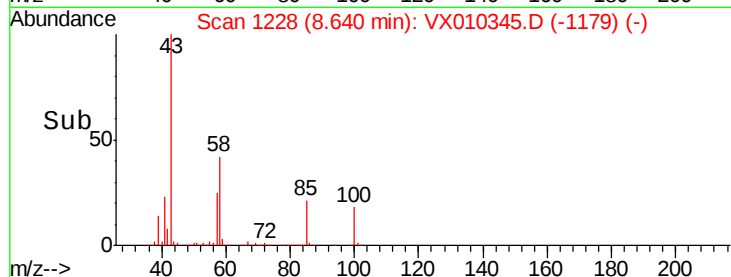
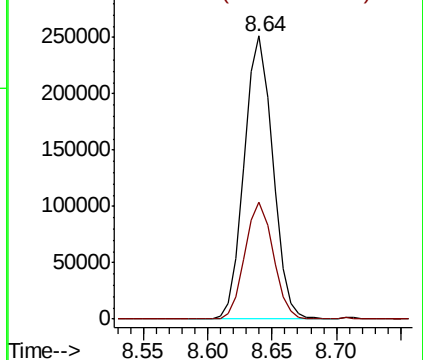
43 100

58 41.1 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.234 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010345.D

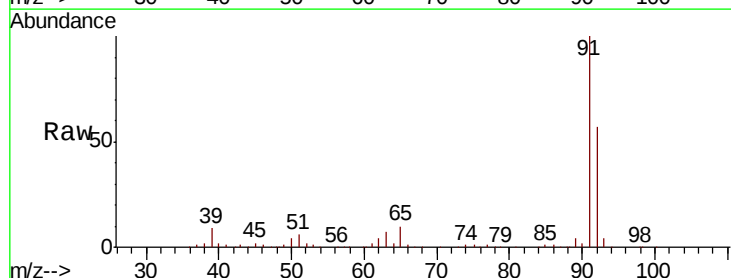
Acq: 19 Jun 2019 13:04

Tgt Ion: 92 Resp: 141352

Ion Ratio Lower Upper

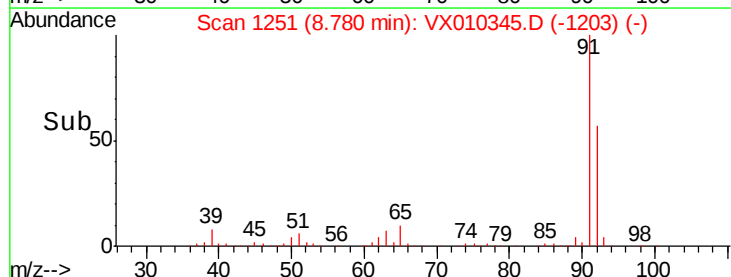
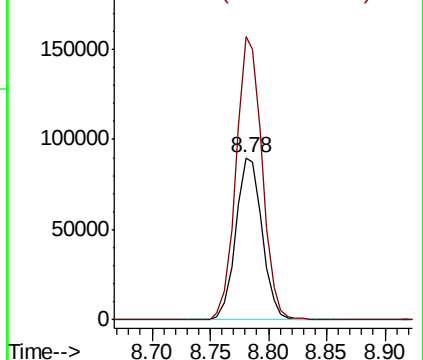
92 100

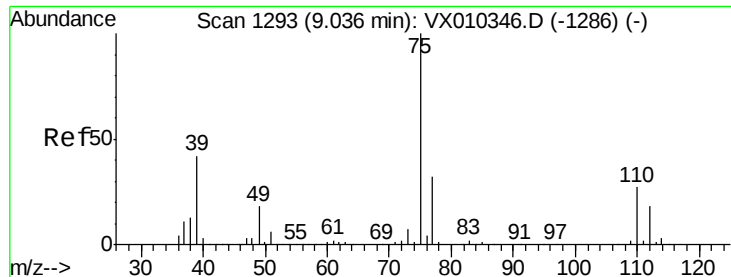
91 173.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

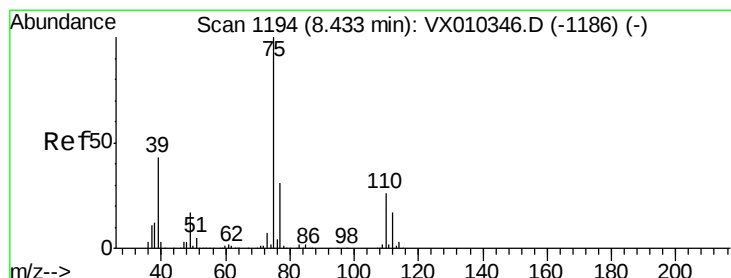
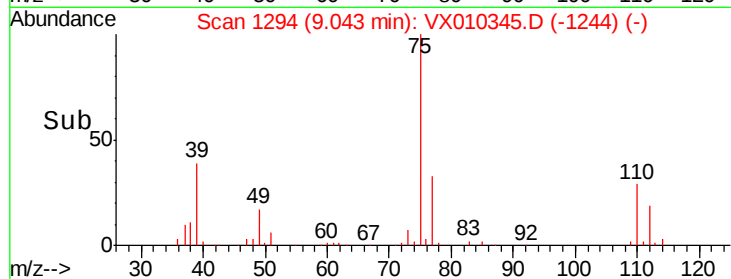
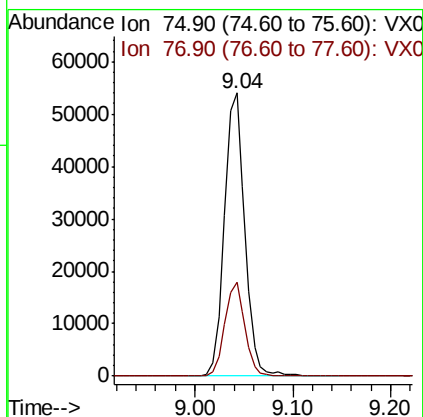
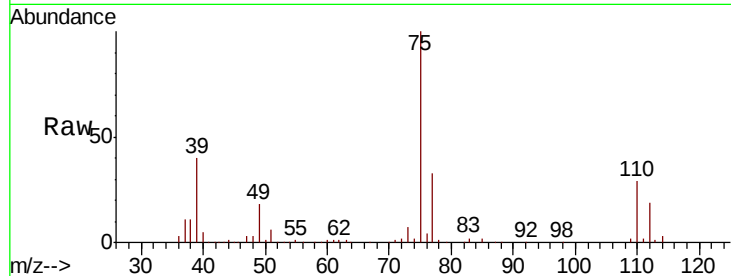




#53
t-1,3-Dichloropropene
Concen: 17.455 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

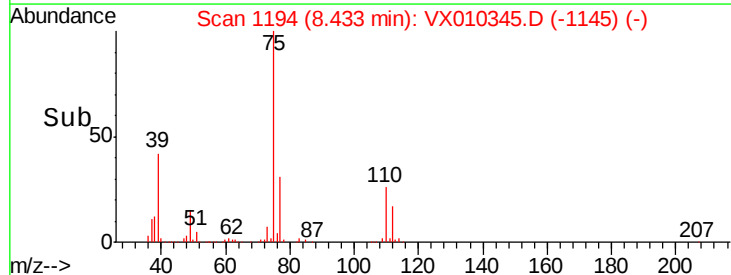
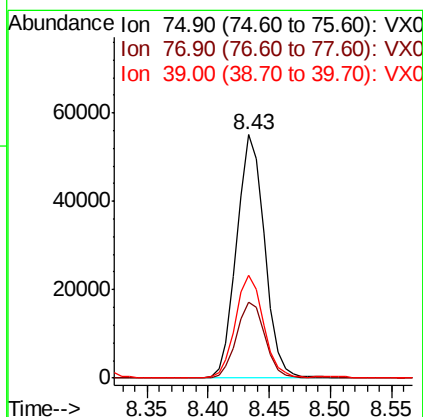
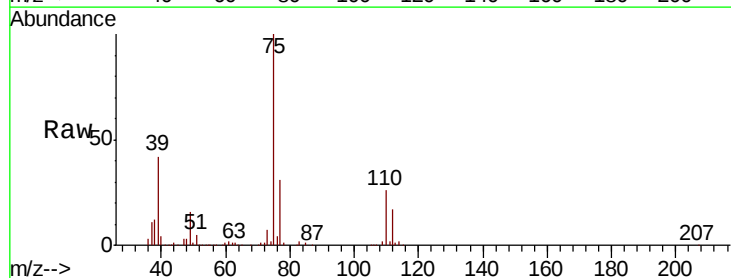
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

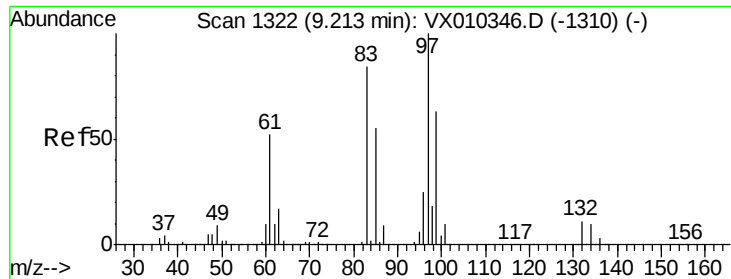
Tot Ion: 75 Resp: 77979
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.162 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 75 Resp: 87393
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 42.3 34.5 51.7



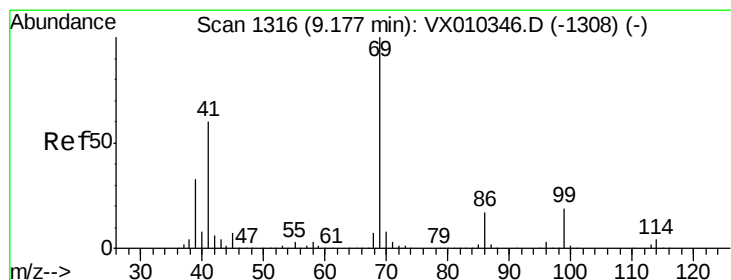
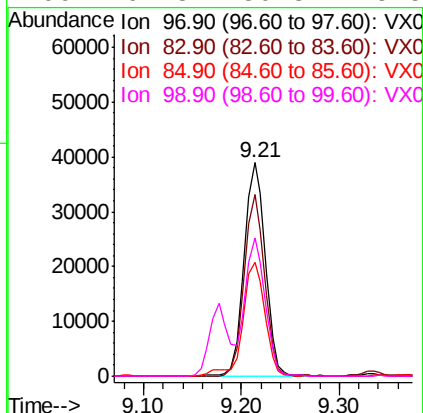
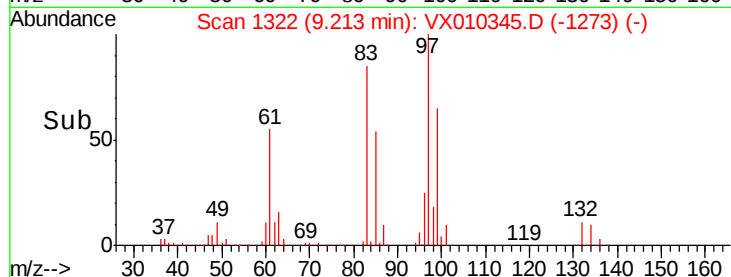
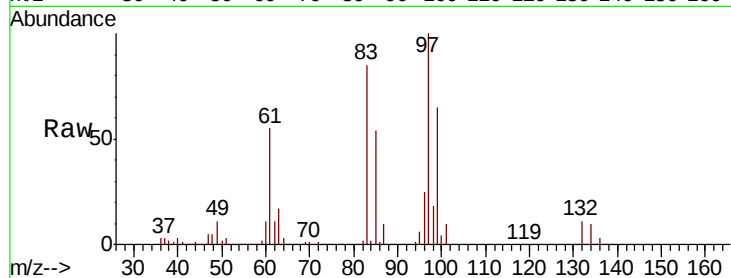


#55
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 58758

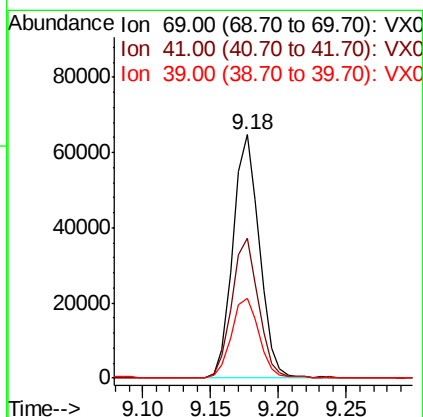
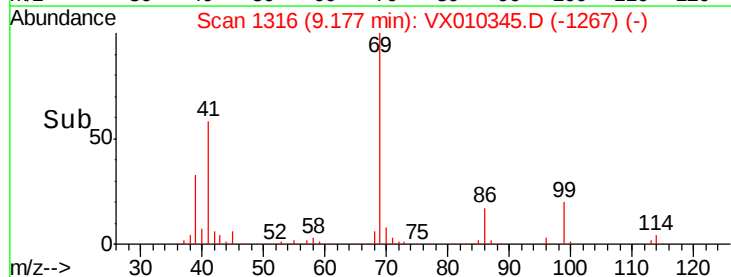
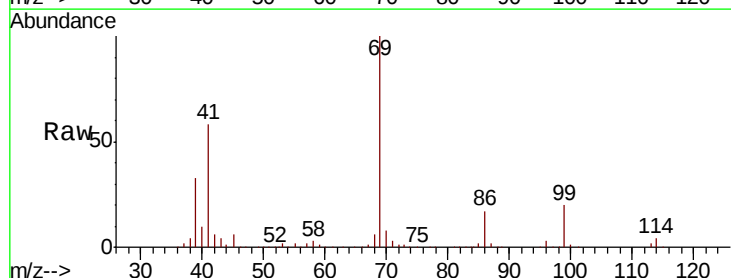
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.4	101.0
85	53.5	43.8	65.8
99	64.8	50.3	75.5

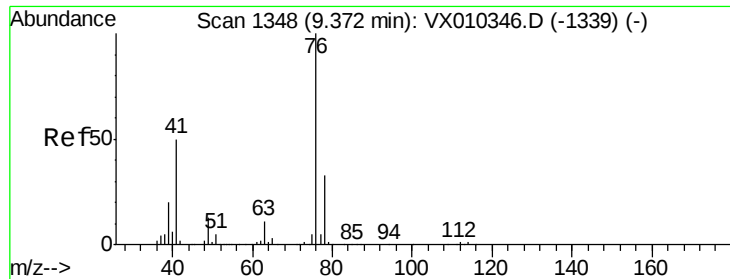


#56
 Ethyl methacrylate
 Concen: 18.641 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion: 69 Resp: 87988

Ion	Ratio	Lower	Upper
69	100		
41	57.9	47.1	70.7
39	34.2	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.202 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

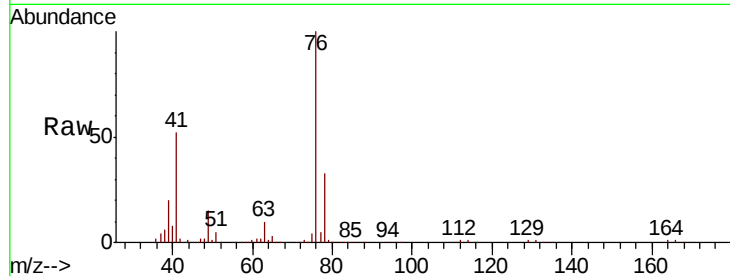
VSTDIC020

Tot Ion: 76 Resp: 90838

Ion Ratio Lower Upper

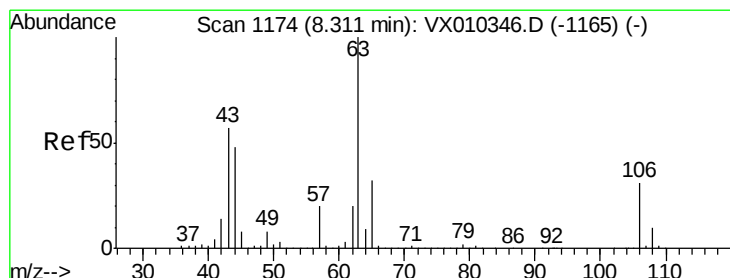
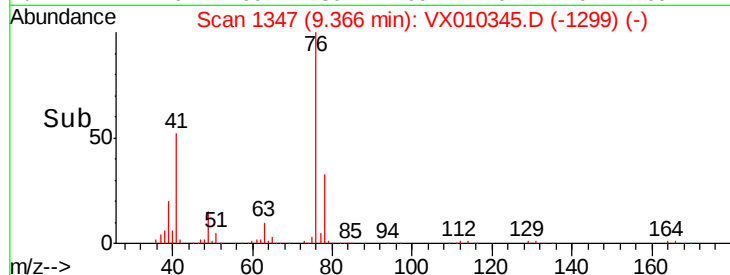
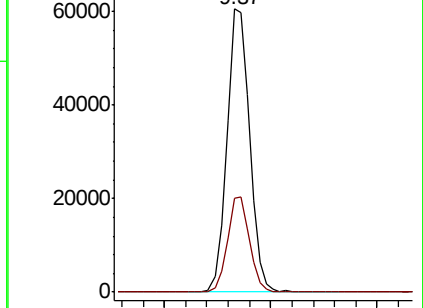
76 100

78 32.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.509 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010345.D

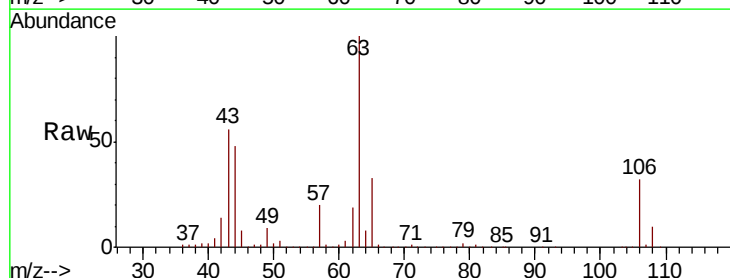
Acq: 19 Jun 2019 13:04

Tgt Ion: 63 Resp: 212816

Ion Ratio Lower Upper

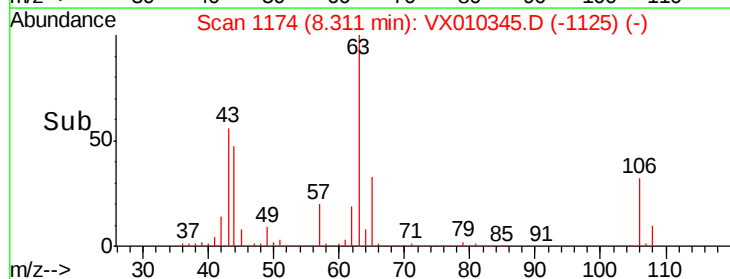
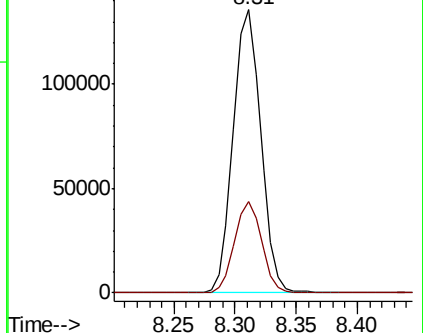
63 100

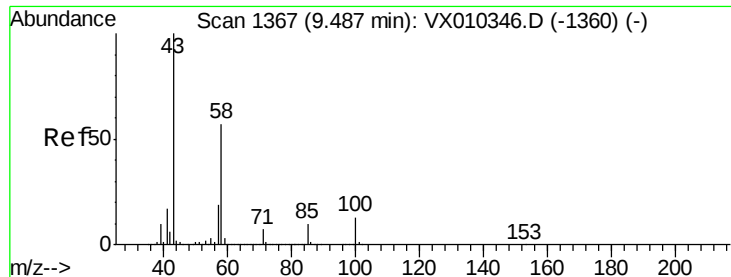
106 31.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

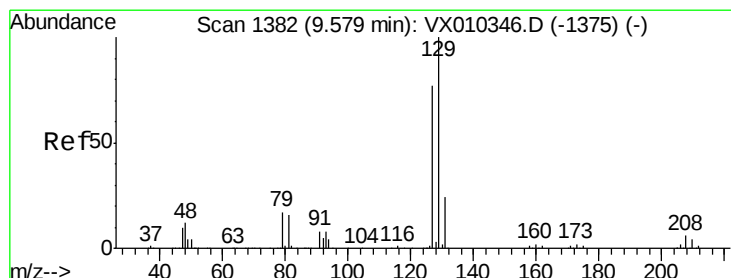
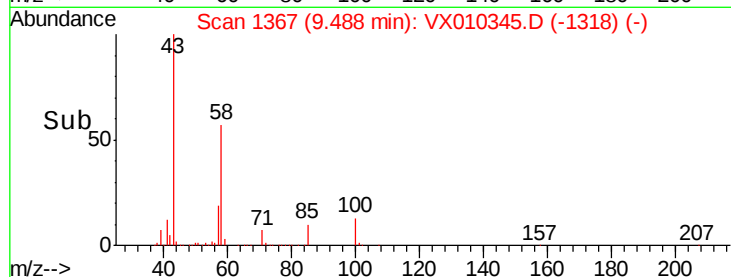
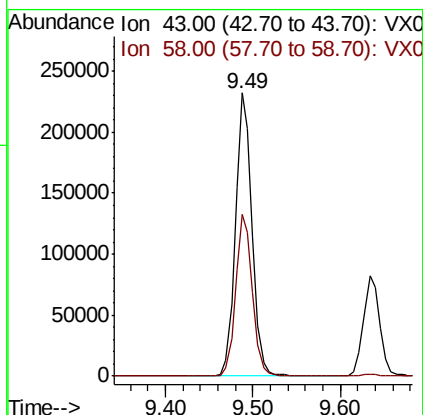
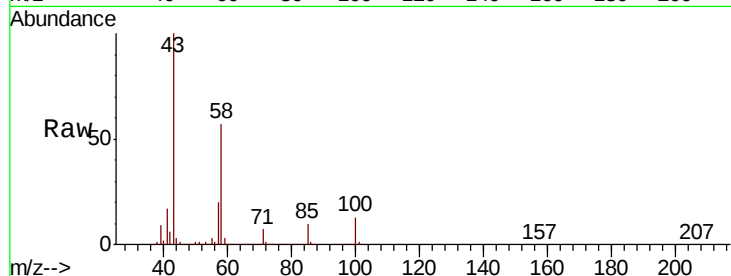




#59
2-Hexanone
Concen: 102.588 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

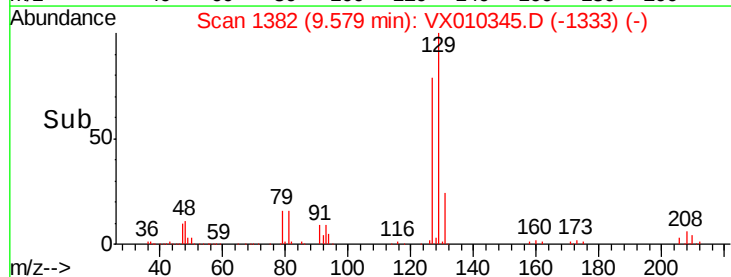
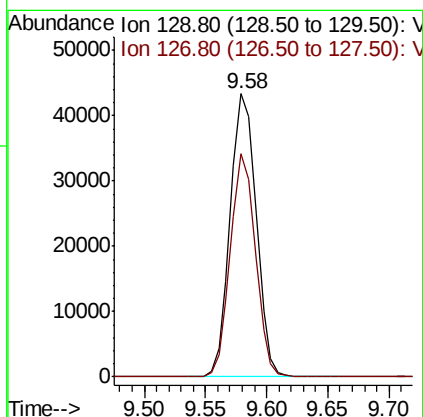
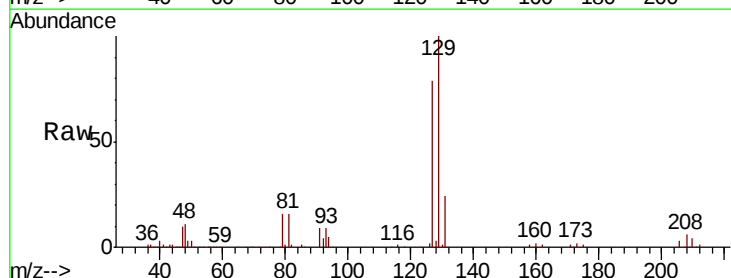
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 307859
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1



#60
Dibromochloromethane
Concen: 18.113 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 129 Resp: 64003
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.158 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

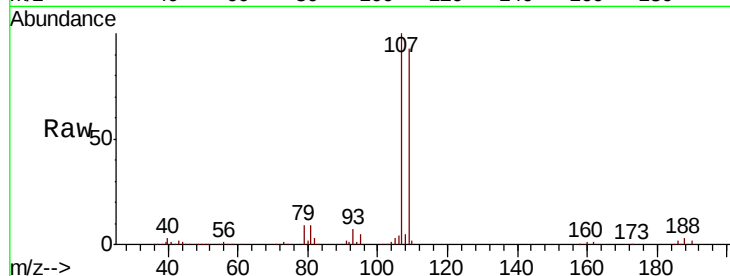
VSTDIC020

Tot Ion: 107 Resp: 63980

Ion Ratio Lower Upper

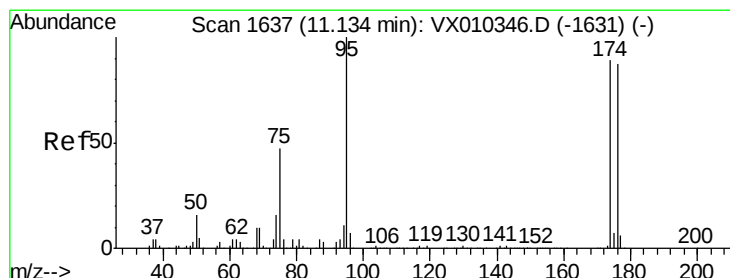
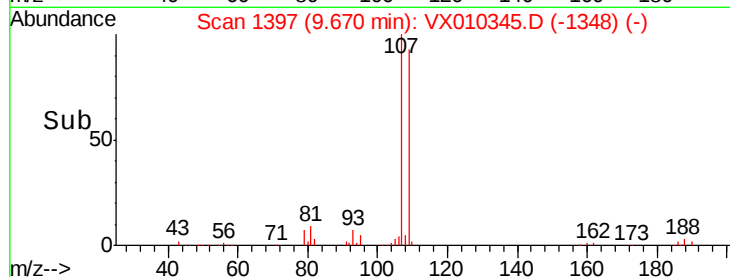
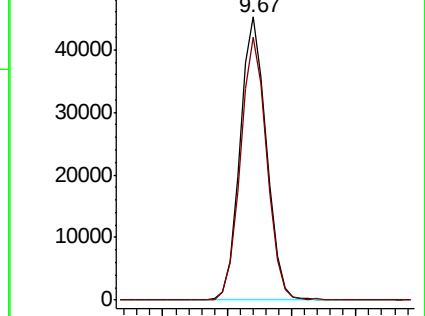
107 100

109 92.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

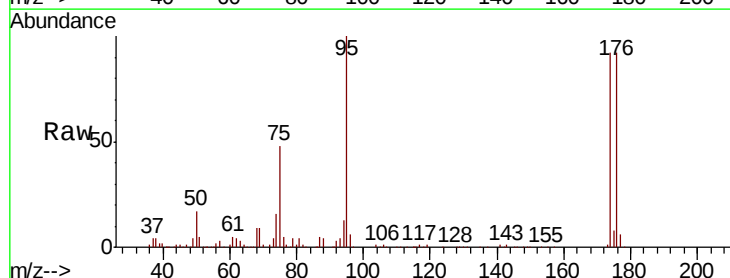
Tgt Ion: 95 Resp: 71264

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

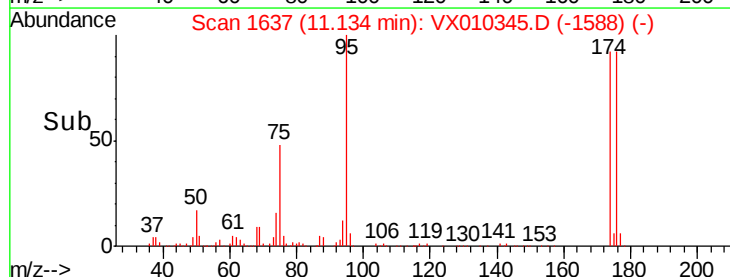
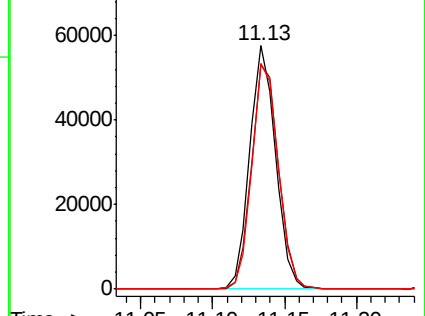
176 94.0 0.0 184.0

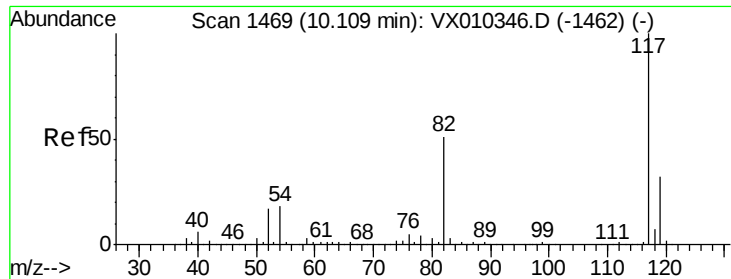


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

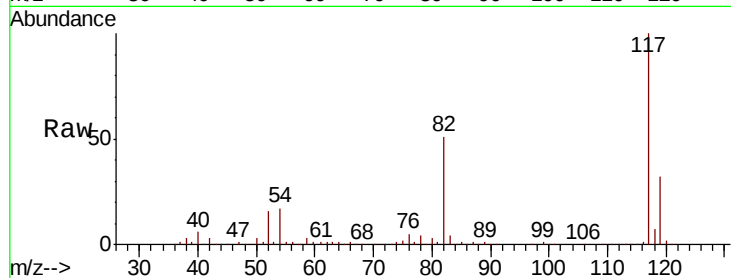




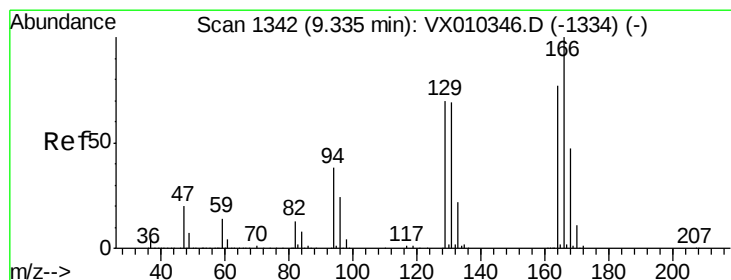
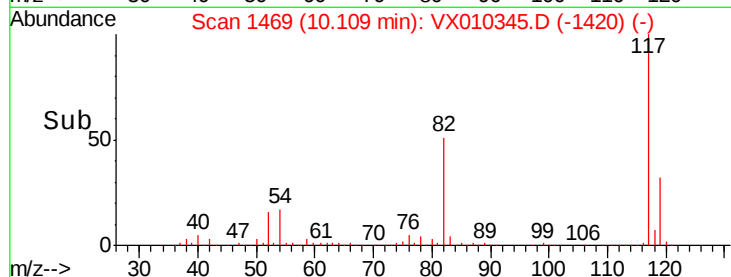
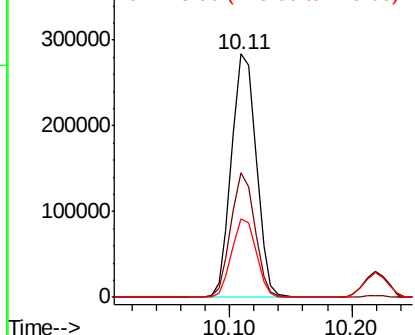
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 398145
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 32.2 25.5 38.3

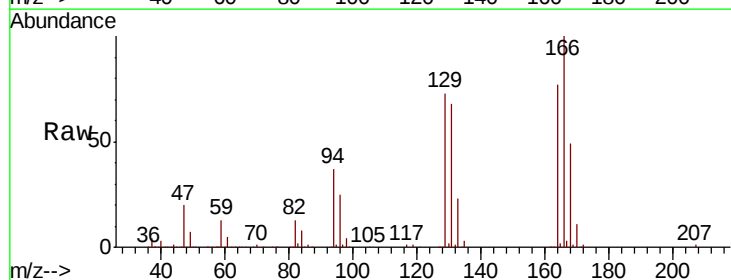


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

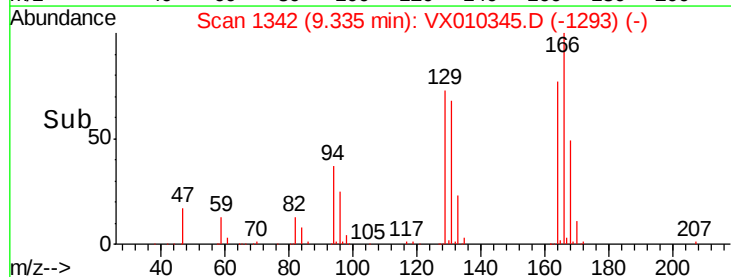
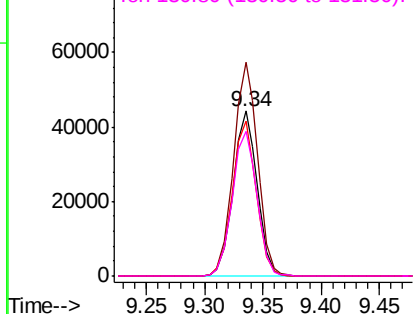


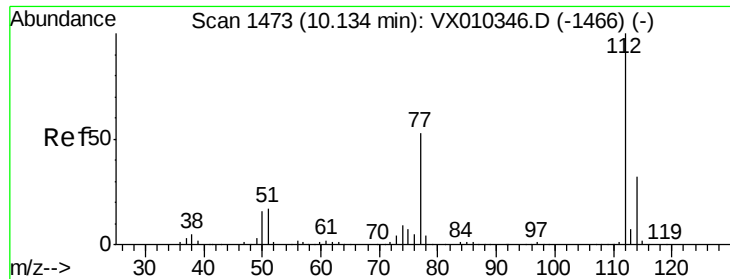
#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:164 Resp: 63375
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 93.9 73.0 109.4
131 87.6 71.0 106.4



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

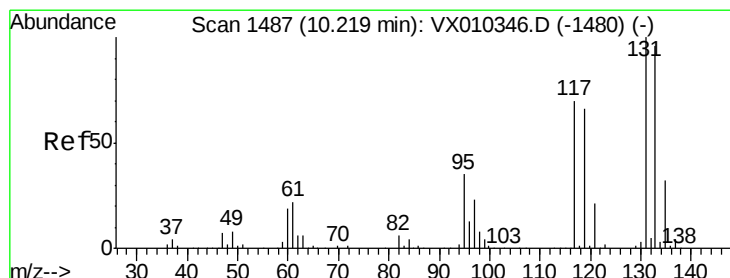
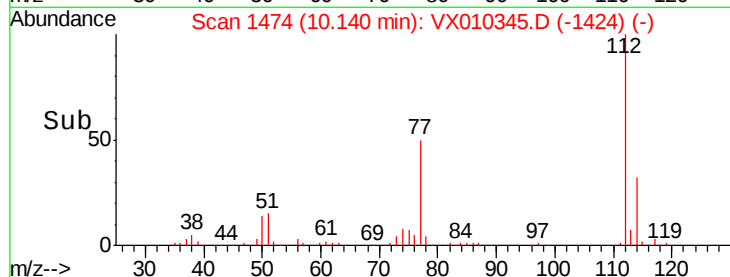
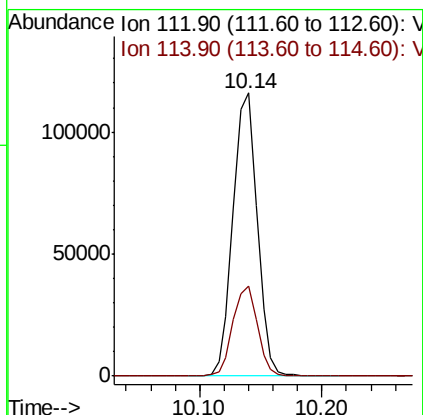
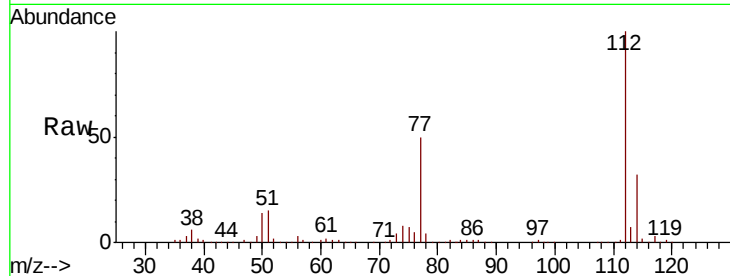




#65
Chlorobenzene
Concen: 19.340 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

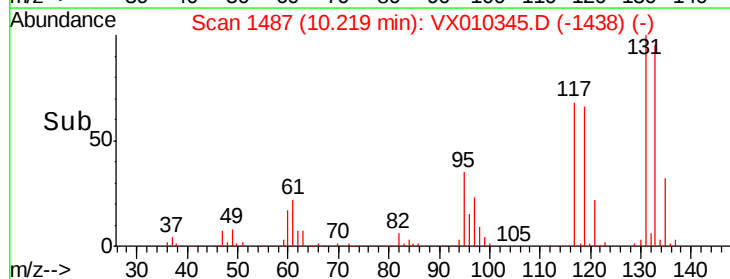
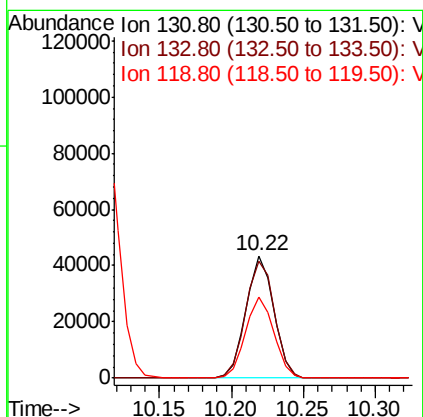
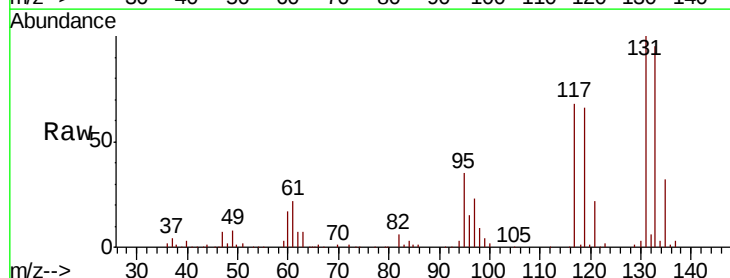
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

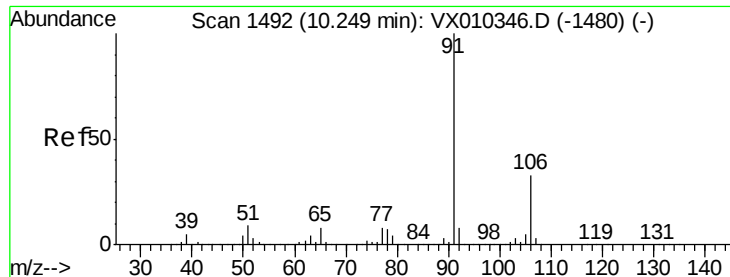
Tot Ion:112 Resp: 158913
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.553 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:131 Resp: 58417
Ion Ratio Lower Upper
131 100
133 98.5 47.7 143.1
119 67.3 32.6 97.7





#67

Ethyl Benzene

Concen: 19.402 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

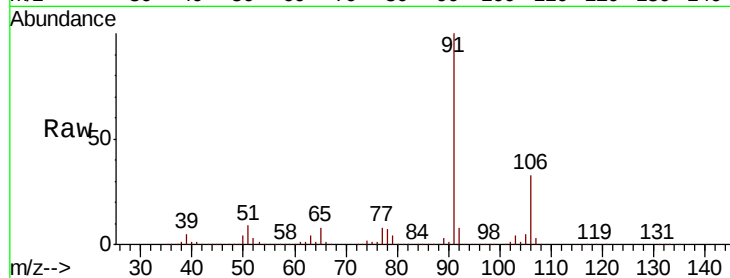
VSTDIC020

Tot Ion: 91 Resp: 271485

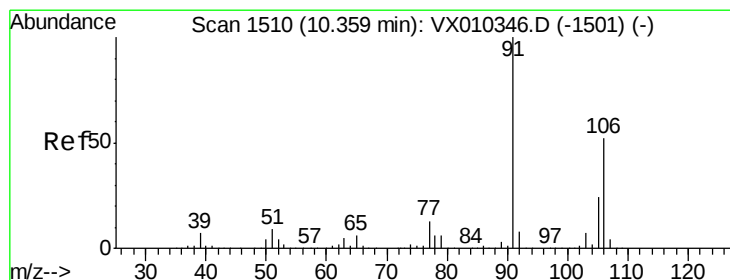
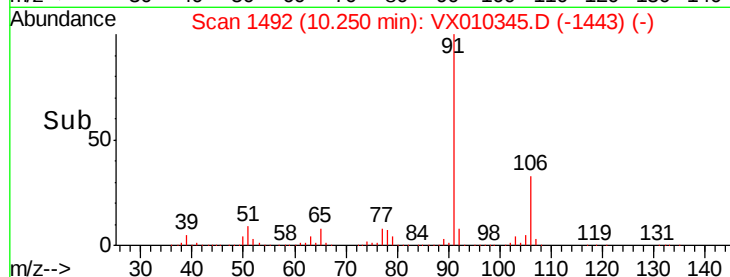
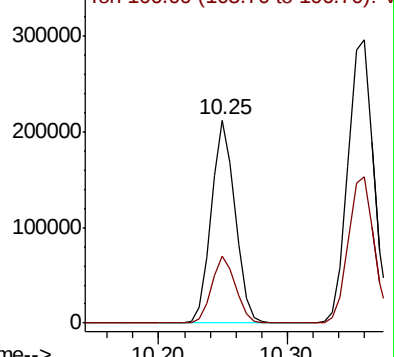
Ion Ratio Lower Upper

91 100

106 33.2 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX010345.D



#68

m/p-Xylenes

Concen: 39.114 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010345.D

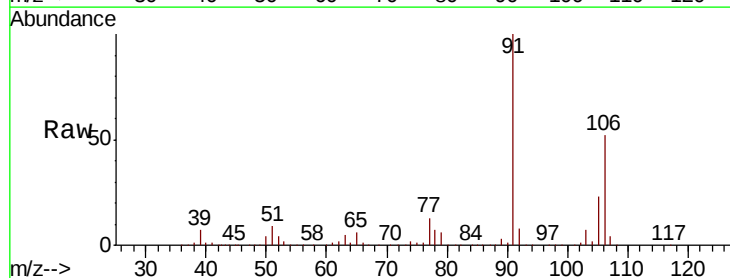
Acq: 19 Jun 2019 13:04

Tgt Ion: 106 Resp: 211998

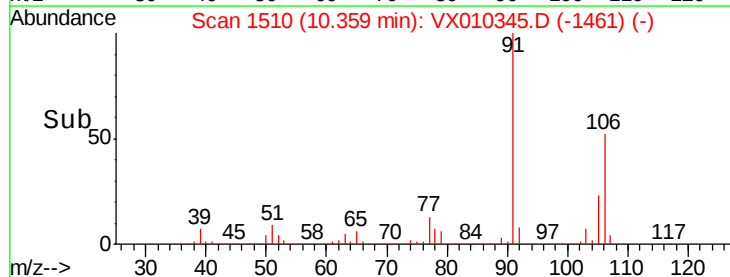
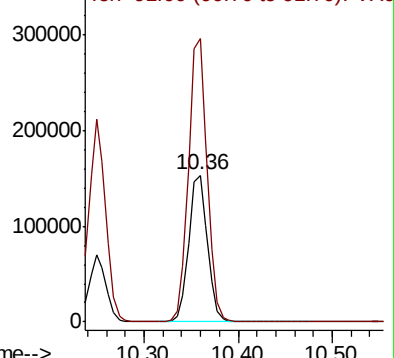
Ion Ratio Lower Upper

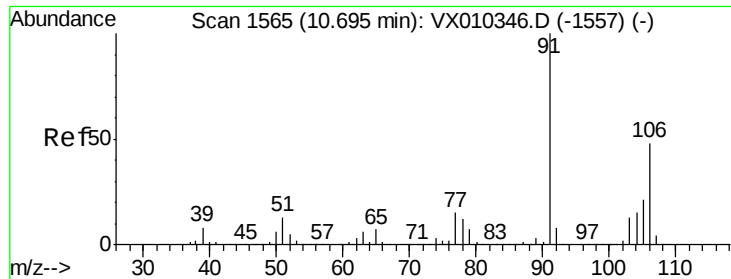
106 100

91 191.8 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): VX010345.D

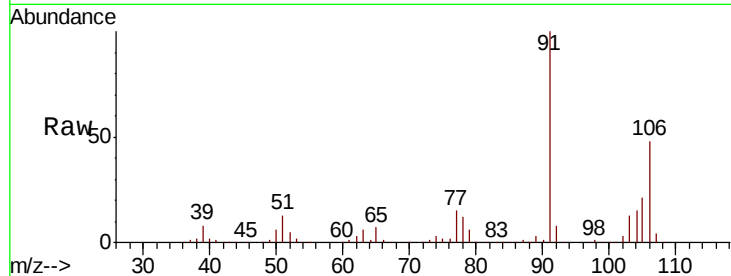




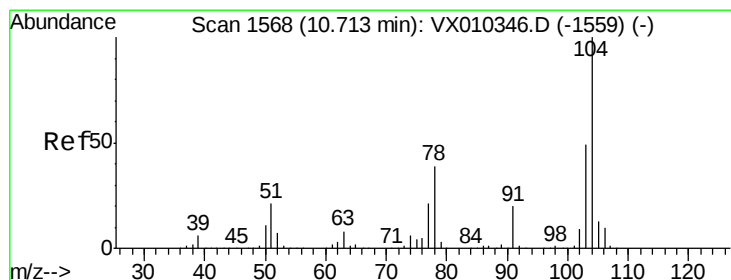
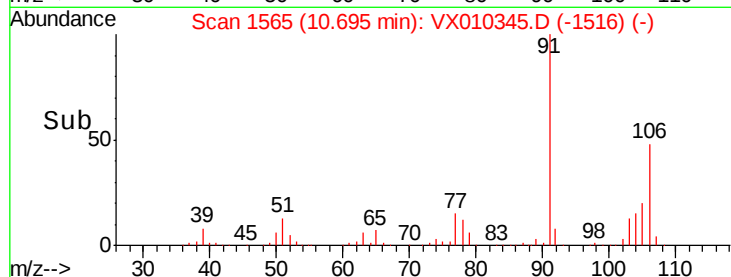
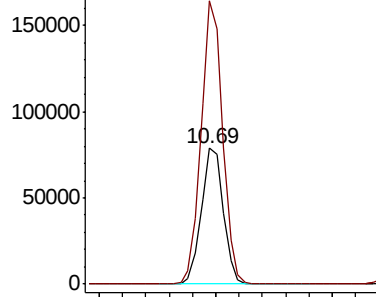
#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 103822
Ion Ratio Lower Upper
106 100
91 203.1 102.7 308.1

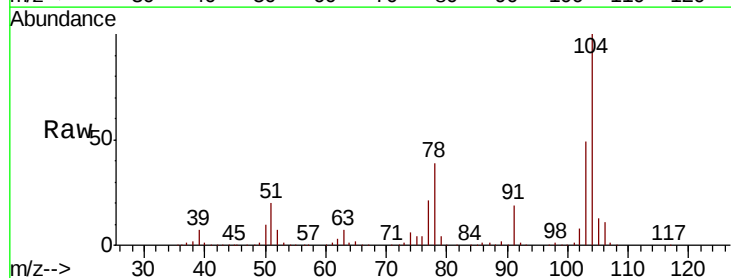


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

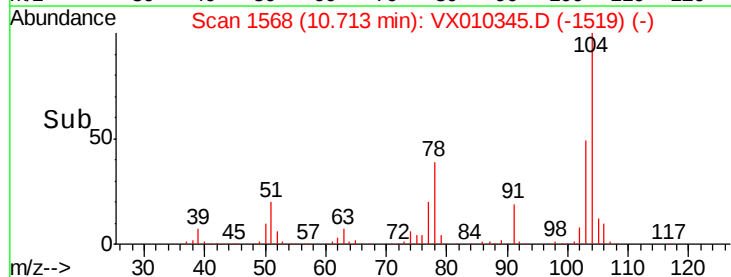
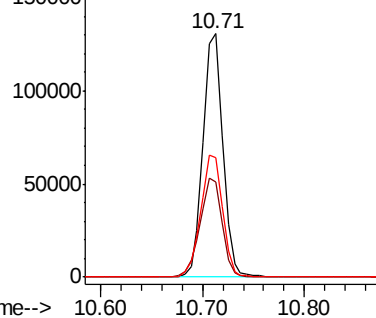


#70
Styrene
Concen: 19.211 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:104 Resp: 174705
Ion Ratio Lower Upper
104 100
78 45.3 36.2 54.2
103 55.5 44.2 66.4



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





#71

Bromoform

Concen: 17.409 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

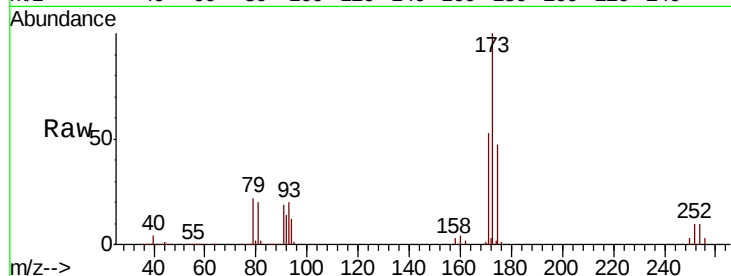
Tot Ion:173 Resp: 50207

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

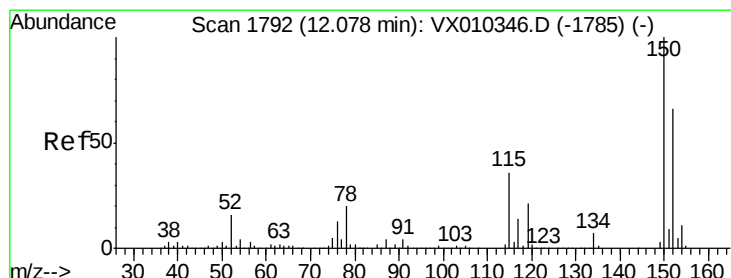
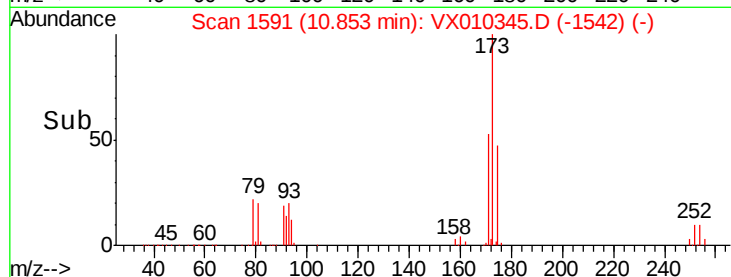
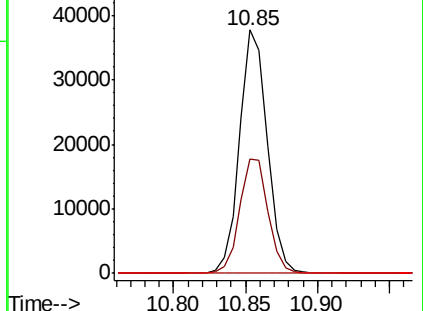
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

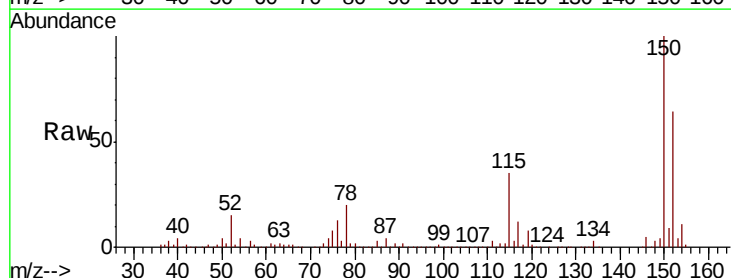
Tgt Ion:152 Resp: 200438

Ion Ratio Lower Upper

152 100

115 63.2 38.6 115.7

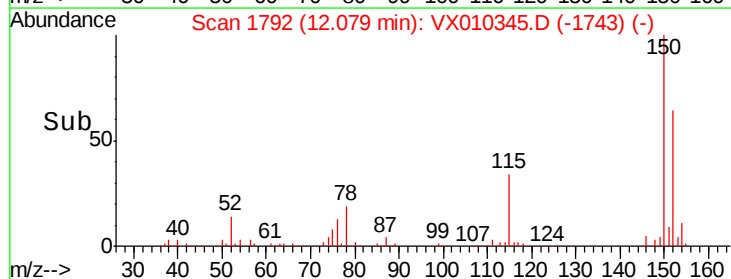
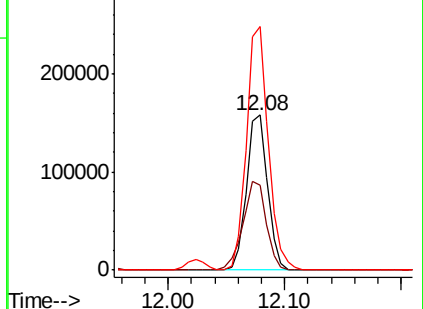
150 162.3 0.0 347.4

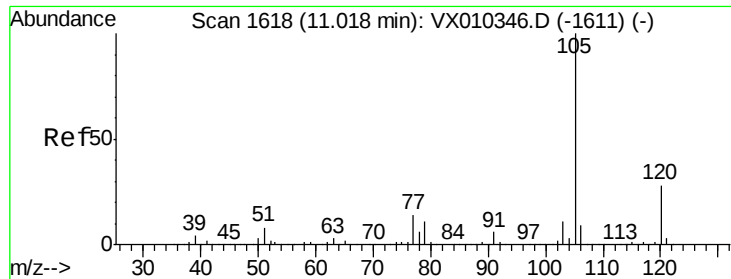


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.697 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

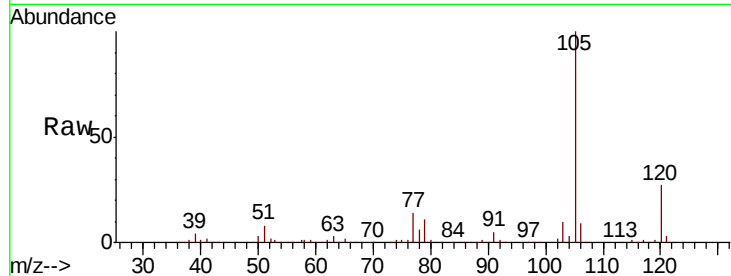
VSTDIC020

Tot Ion:105 Resp: 274582

Ion Ratio Lower Upper

105 100

120 27.3 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

200000

150000

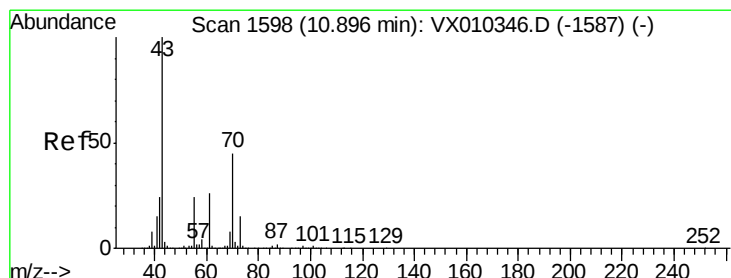
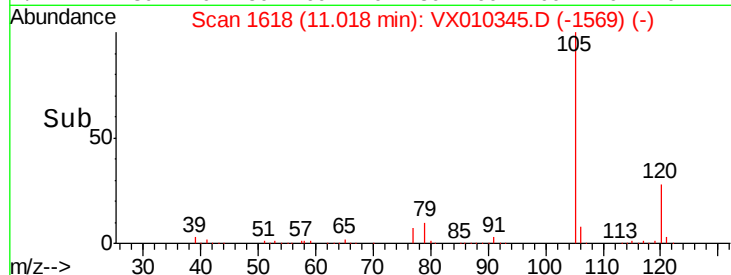
100000

50000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 18.860 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion: 43 Resp: 103896

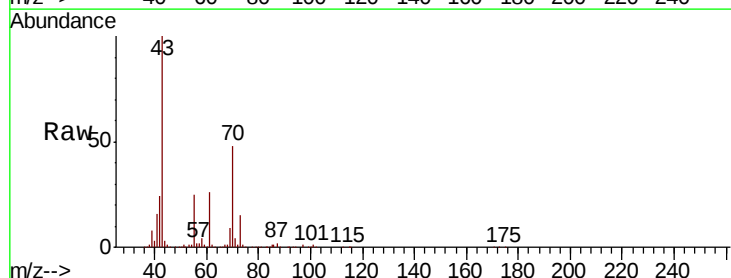
Ion Ratio Lower Upper

43 100

70 46.9 36.6 54.8

55 25.1 18.7 28.1

61 26.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

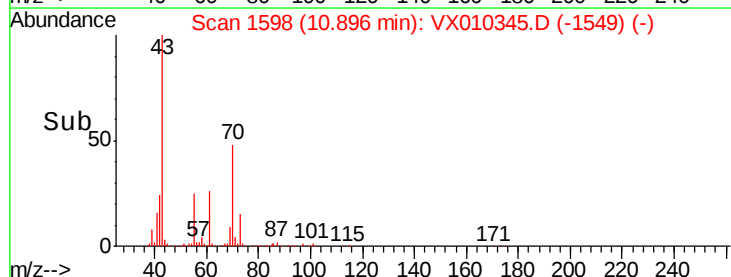
100000

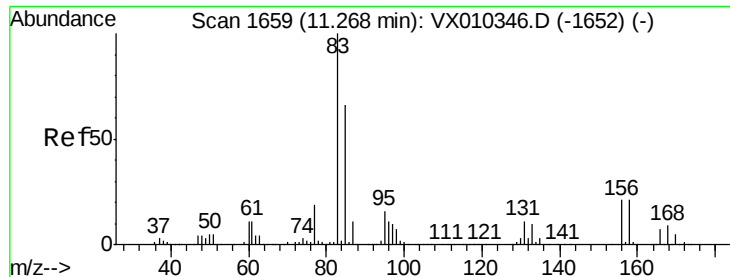
50000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 18.765 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

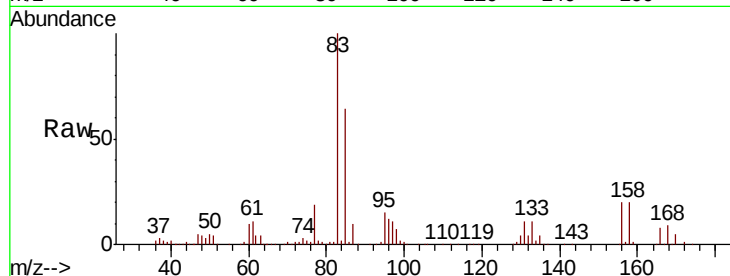
Tot Ion: 83 Resp: 89385

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

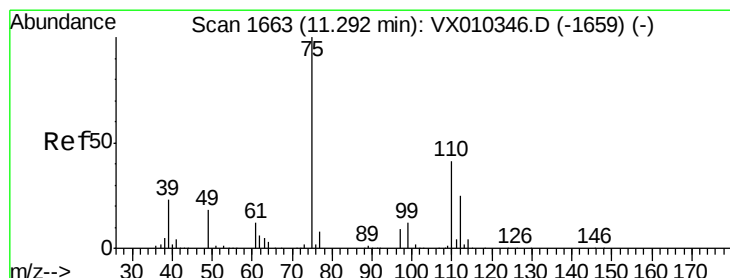
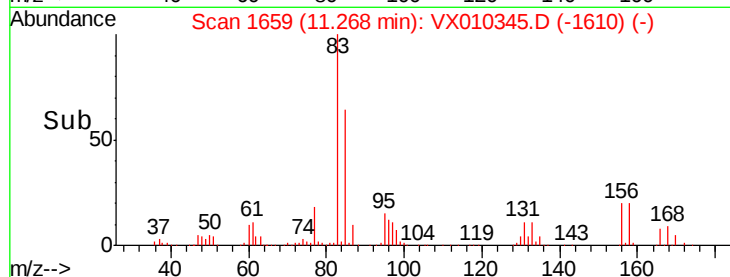
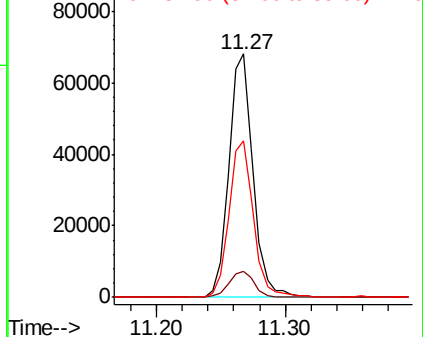
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.305 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010345.D

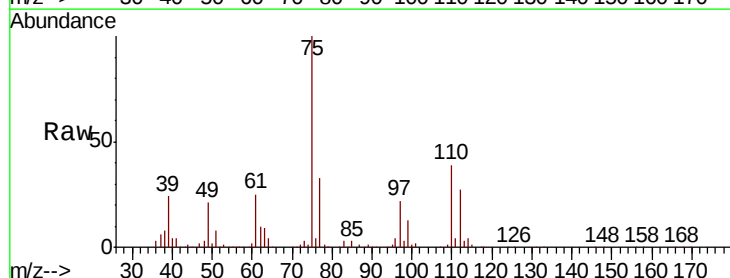
Acq: 19 Jun 2019 13:04

Tgt Ion: 75 Resp: 100548

Ion Ratio Lower Upper

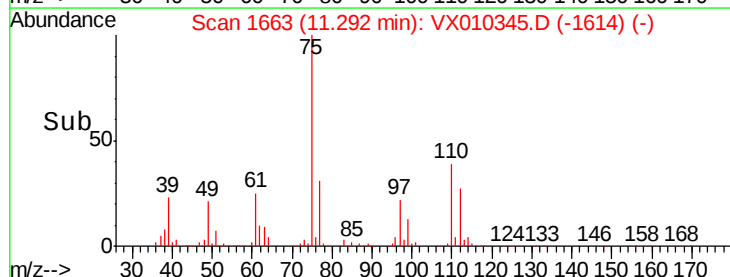
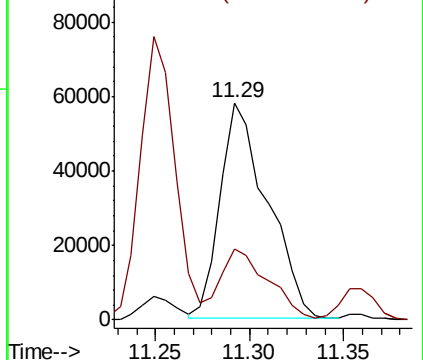
75 100

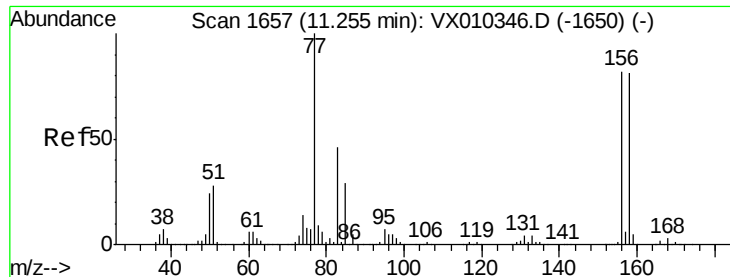
77 33.7 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.508 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

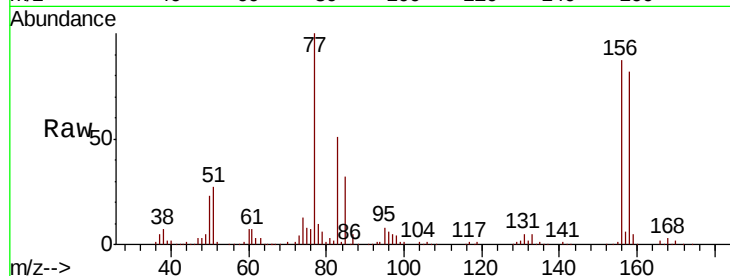
Tot Ion:156 Resp: 74961

Ion Ratio Lower Upper

156 100

77 131.0 66.3 198.7

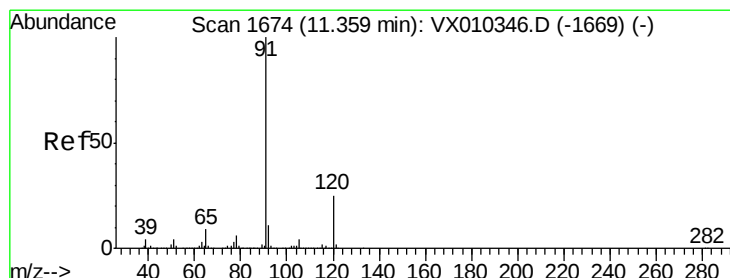
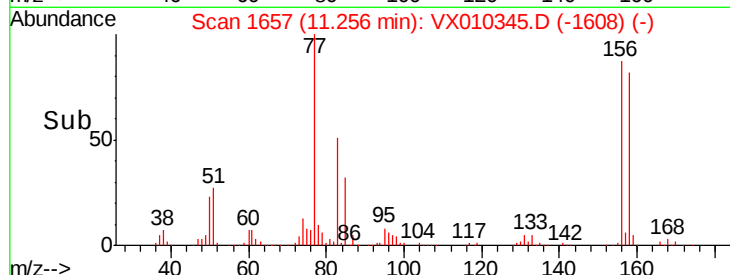
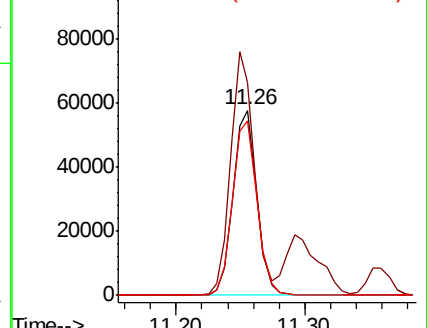
158 97.3 48.9 146.7



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: 19.161 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010345.D

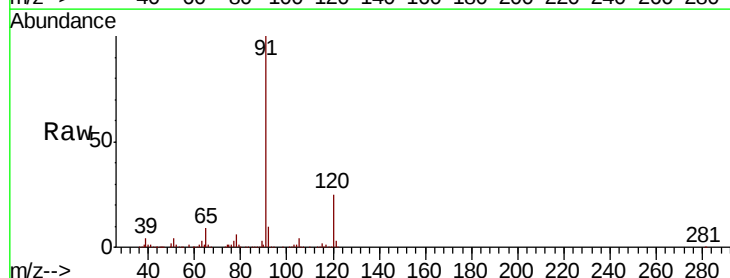
Acq: 19 Jun 2019 13:04

Tgt Ion: 91 Resp: 297473

Ion Ratio Lower Upper

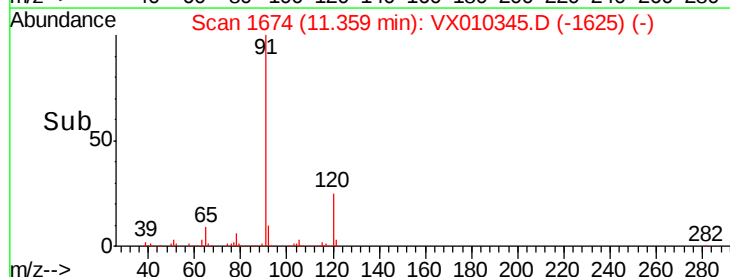
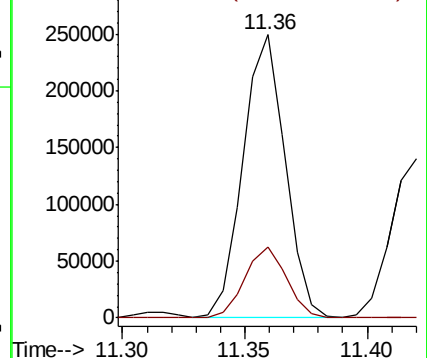
91 100

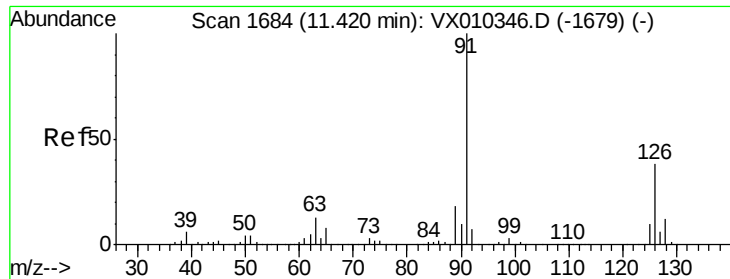
120 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

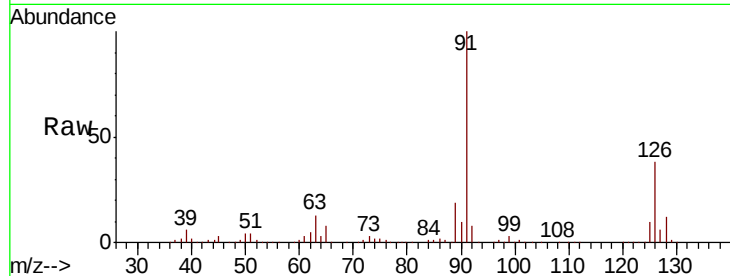




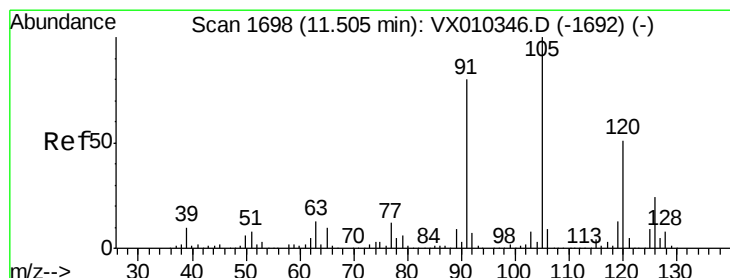
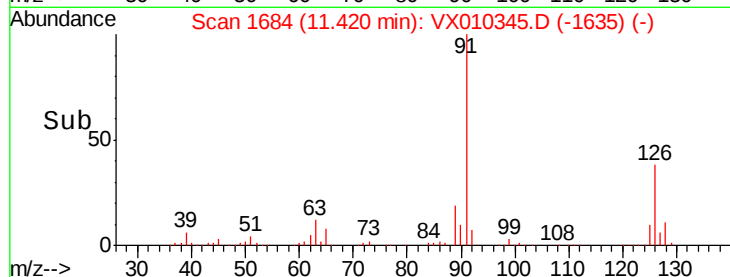
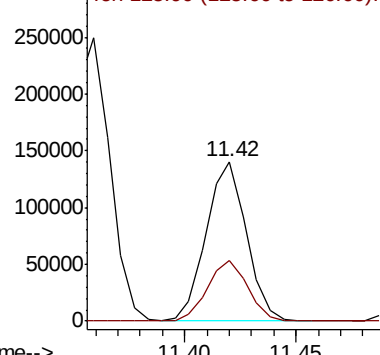
#79
2-Chlorotoluene
Concen: 18.905 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 175817
Ion Ratio Lower Upper
91 100
126 38.2 18.7 56.1

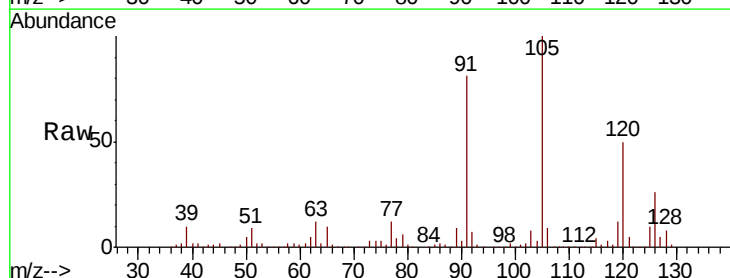


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

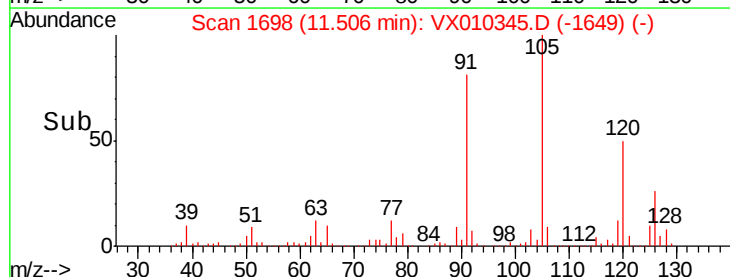
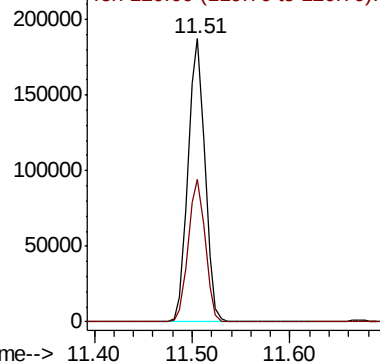


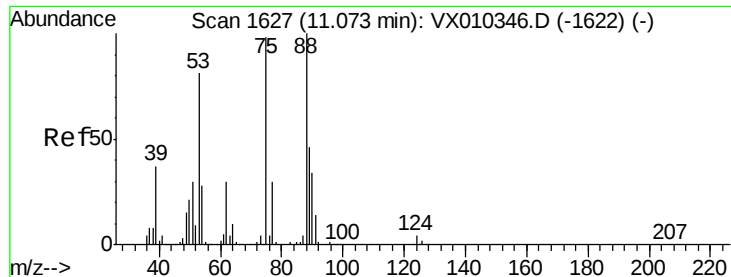
#80
1,3,5-Trimethylbenzene
Concen: 19.169 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:105 Resp: 225448
Ion Ratio Lower Upper
105 100
120 50.7 25.2 75.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 16.728 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

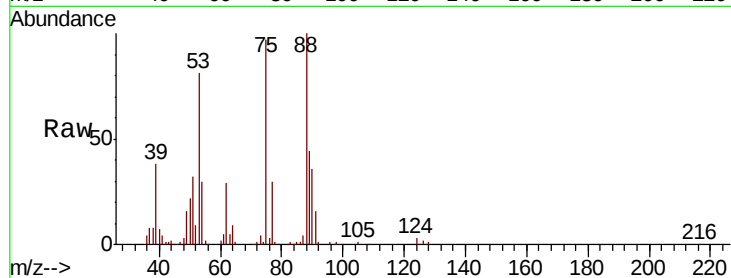
Tot Ion: 75 Resp: 29689

Ion Ratio Lower Upper

75 100

53 84.2 66.1 99.1

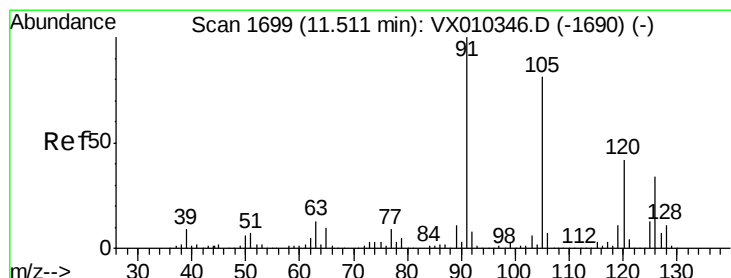
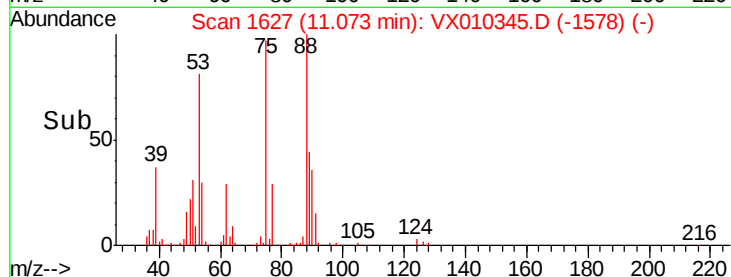
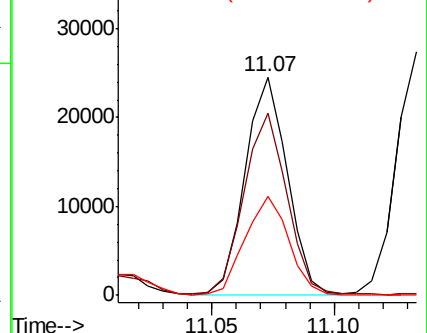
89 47.3 37.8 56.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.747 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010345.D

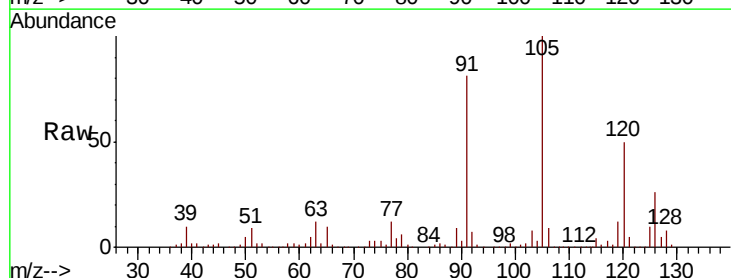
Acq: 19 Jun 2019 13:04

Tgt Ion: 91 Resp: 198114

Ion Ratio Lower Upper

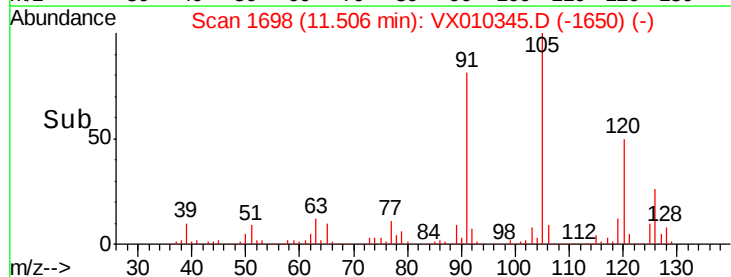
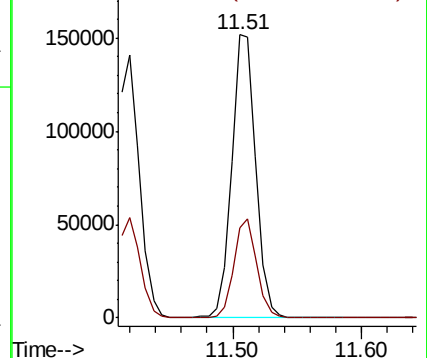
91 100

126 33.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.879 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

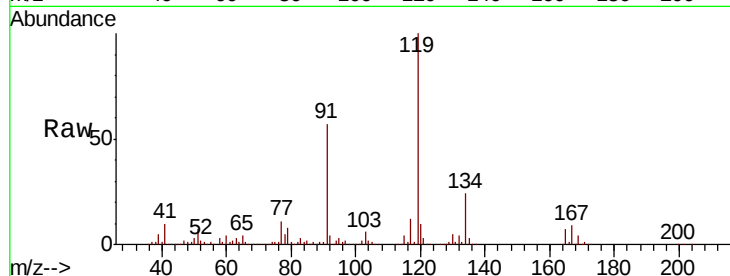
Tot Ion:119 Resp: 224078

Ion Ratio Lower Upper

119 100

91 54.5 27.6 82.7

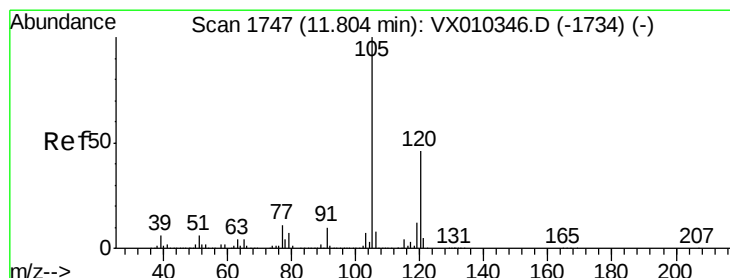
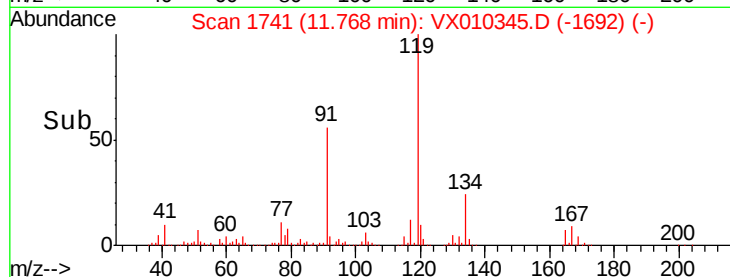
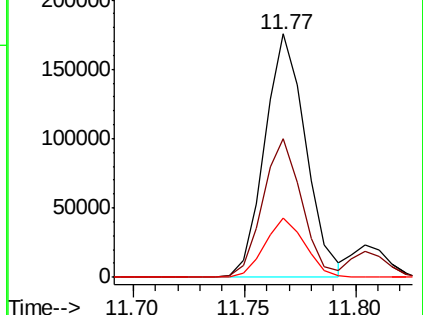
134 24.0 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.084 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010345.D

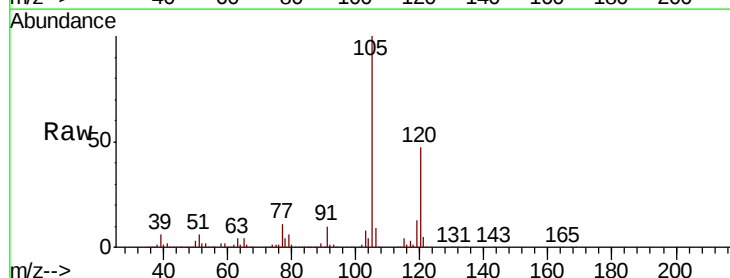
Acq: 19 Jun 2019 13:04

Tgt Ion:105 Resp: 226767

Ion Ratio Lower Upper

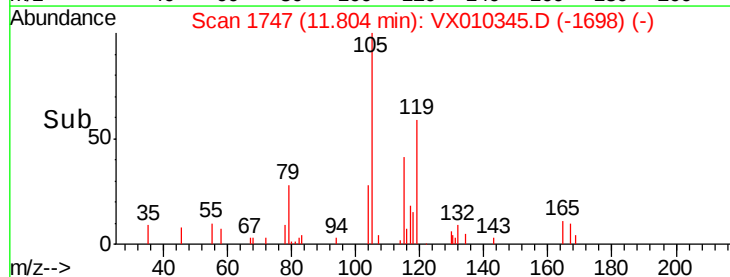
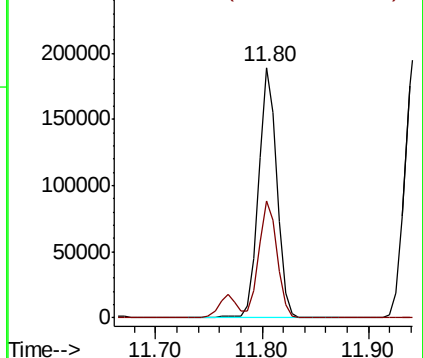
105 100

120 47.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.181 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

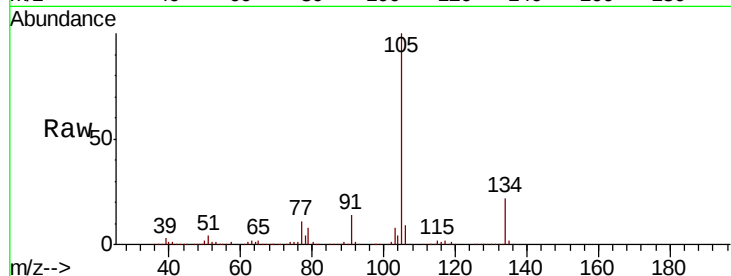
VSTDIC020

Tot Ion:105 Resp: 265750

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

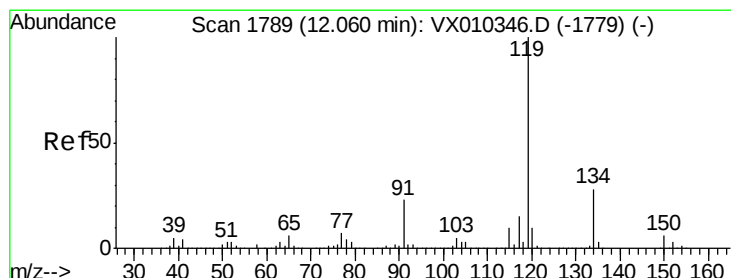
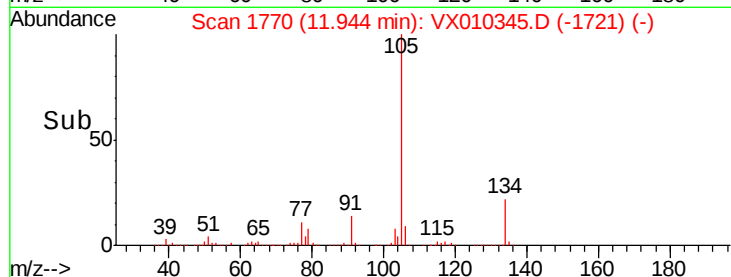
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.275 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

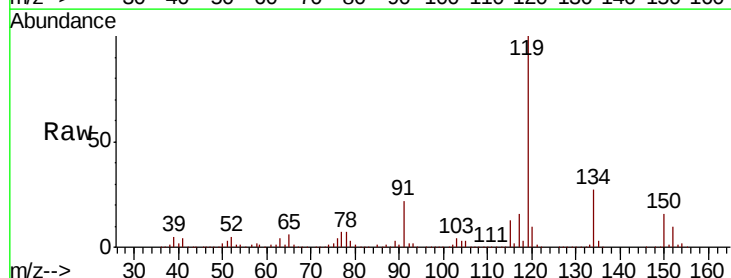
Tgt Ion:119 Resp: 244478

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 21.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

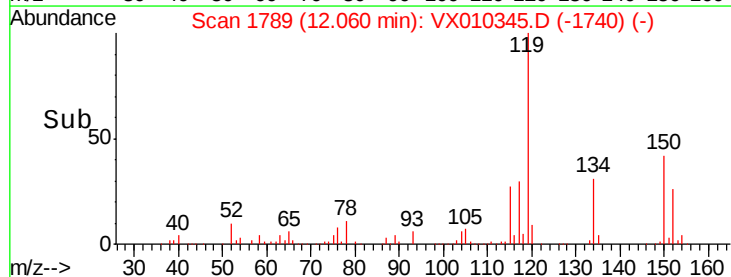
50000

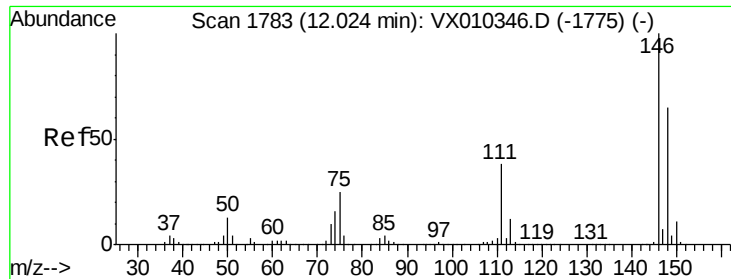
0

12.00

12.10

Time-->

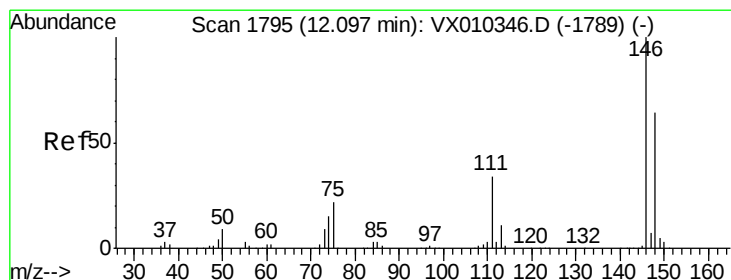
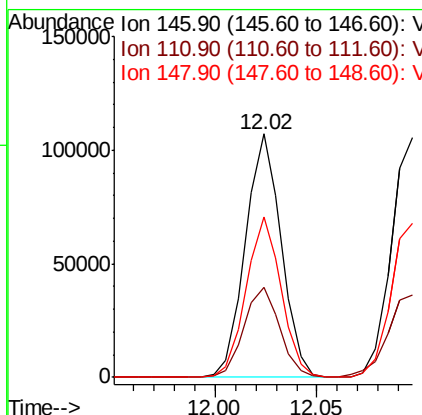
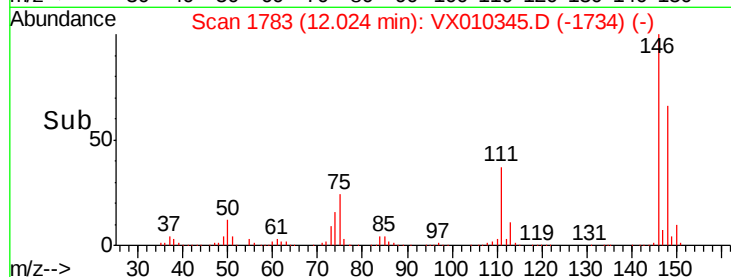
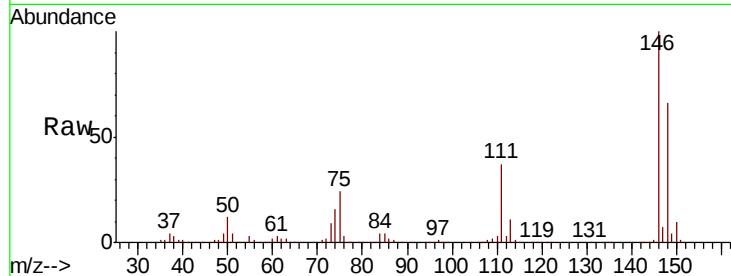




#87
 1,3-Dichlorobenzene
 Concen: 19.392 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

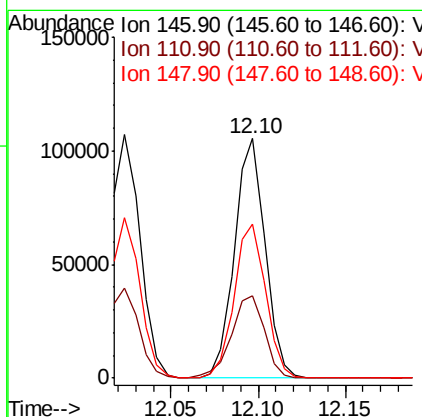
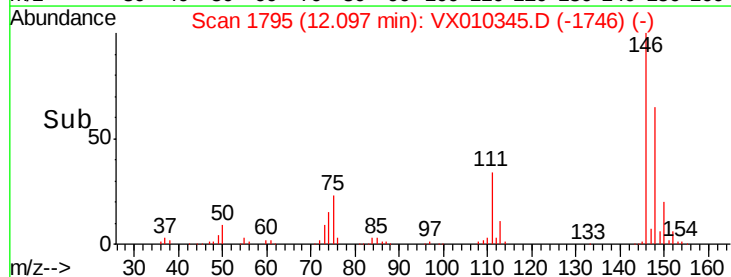
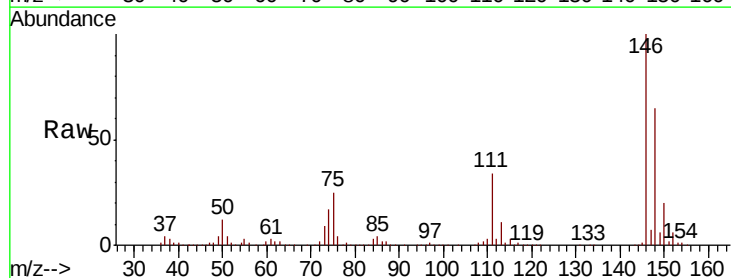
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

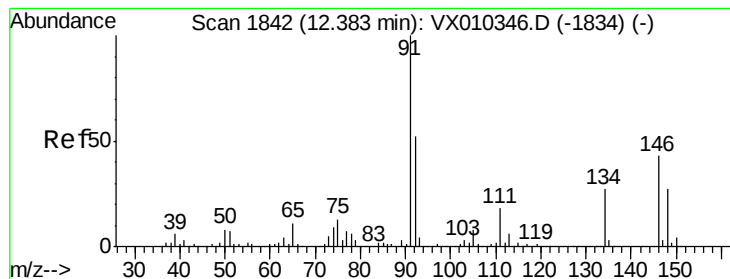
Tot Ion:146 Resp: 131002
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.1
 148 64.4 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion:146 Resp: 128545
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.3
 148 66.4 32.1 96.3





#89

n-Butylbenzene

Concen: 18.641 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

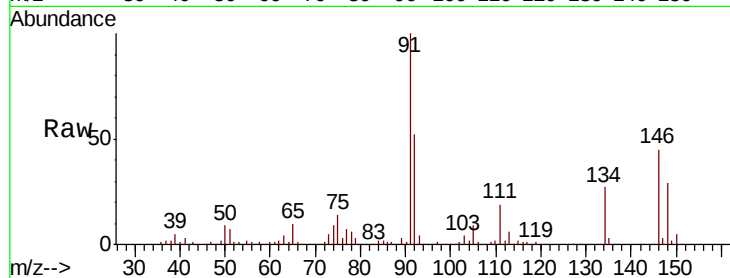
Tot Ion: 91 Resp: 203327

Ion Ratio Lower Upper

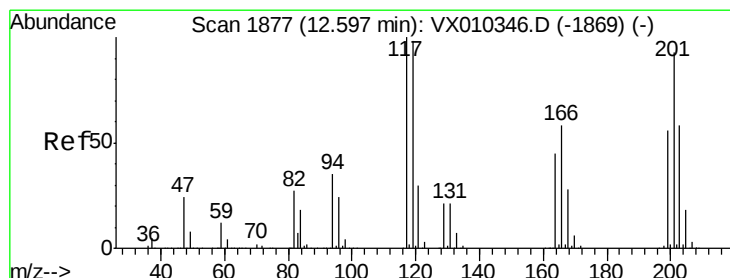
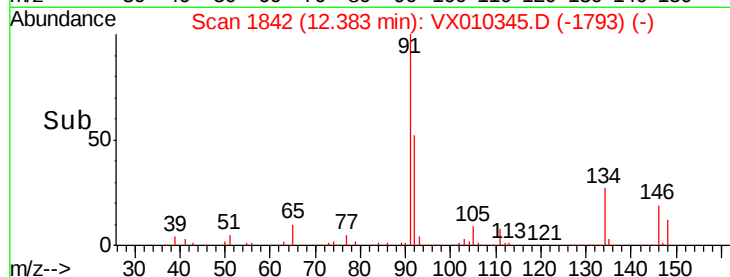
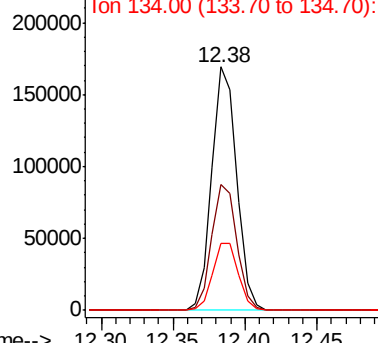
91 100

92 52.2 26.2 78.5

134 28.5 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VX010345.D (-1834) (-)



#90

Hexachloroethane

Concen: 16.645 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX010345.D

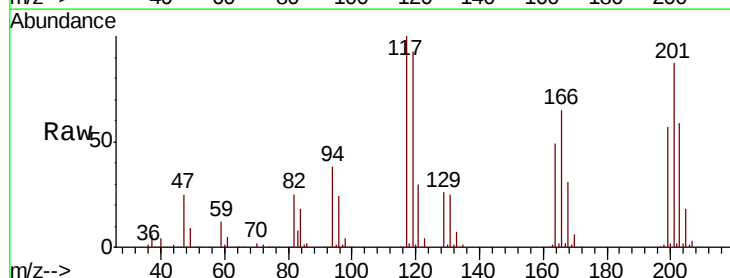
Acq: 19 Jun 2019 13:04

Tgt Ion: 117 Resp: 41455

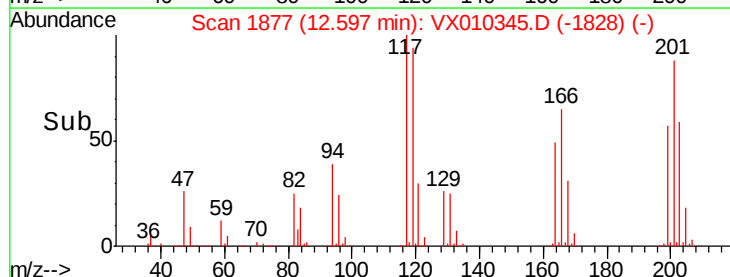
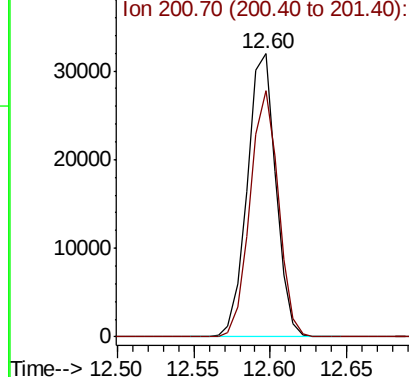
Ion Ratio Lower Upper

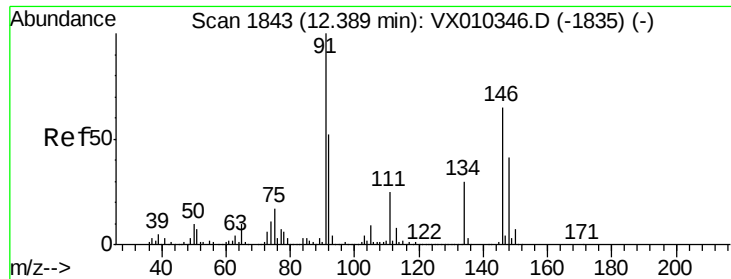
117 100

201 86.1 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): VX010345.D (-1869) (-)





#91

1,2-Dichlorobenzene

Concen: 19.878 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

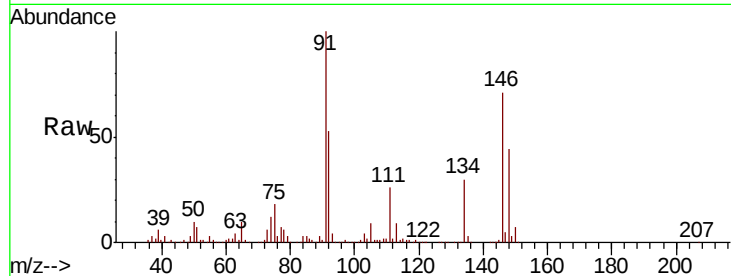
Tot Ion:146 Resp: 131069

Ion Ratio Lower Upper

146 100

111 38.4 19.2 57.6

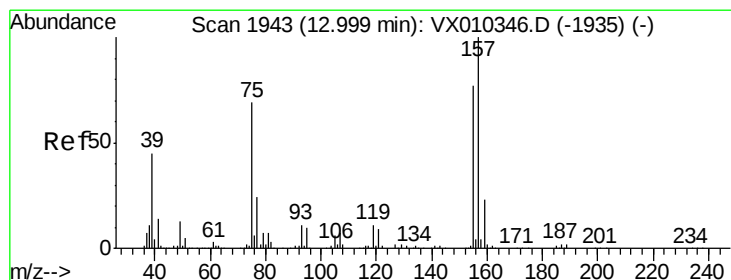
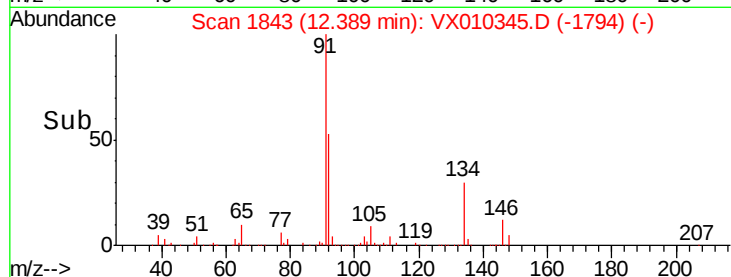
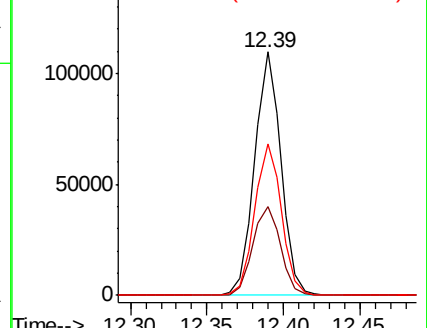
148 63.4 32.0 96.0



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: 17.539 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

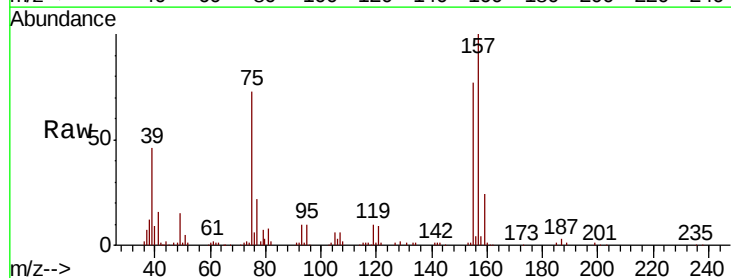
Tgt Ion: 75 Resp: 19405

Ion Ratio Lower Upper

75 100

155 103.2 54.4 163.1

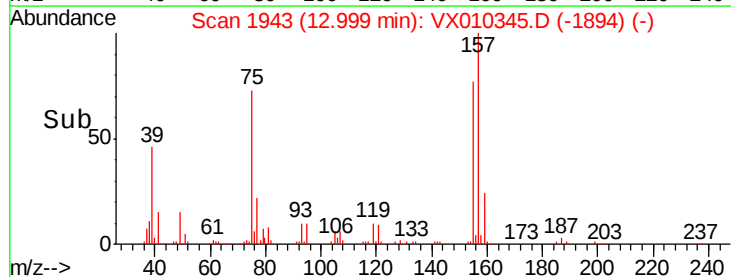
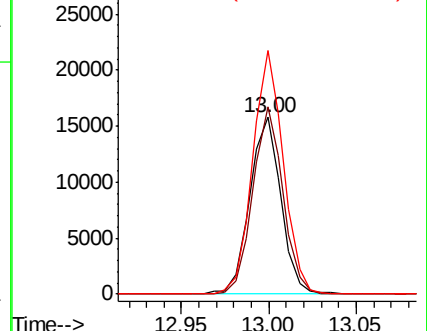
157 135.8 69.5 208.3



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

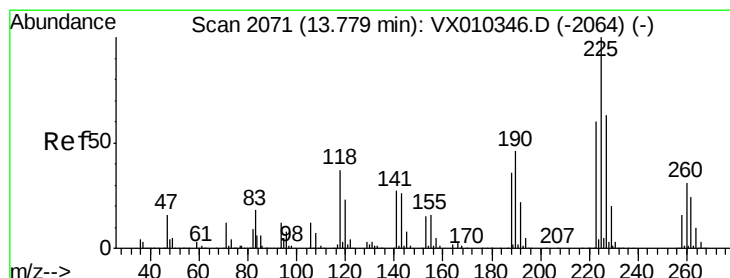
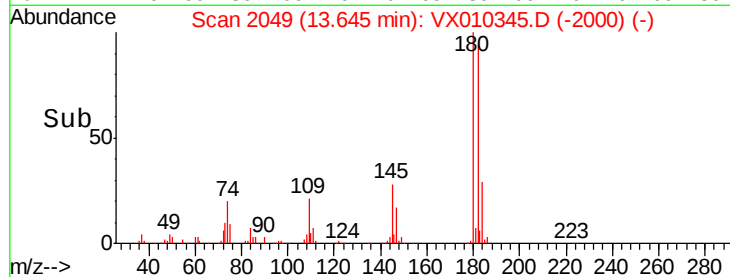
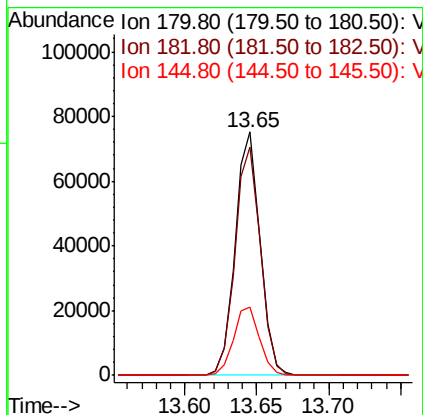
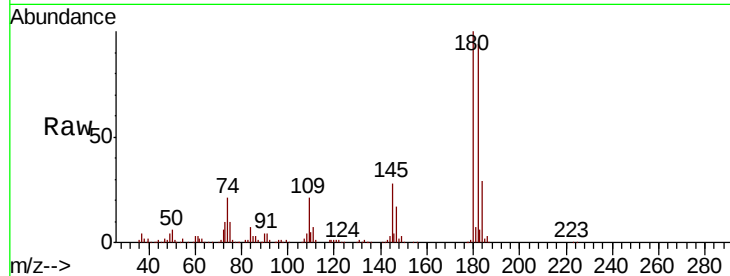




#93
 1,2,4-Trichlorobenzene
 Concen: 18.880 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

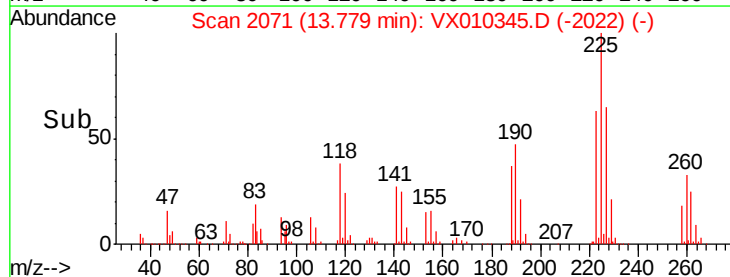
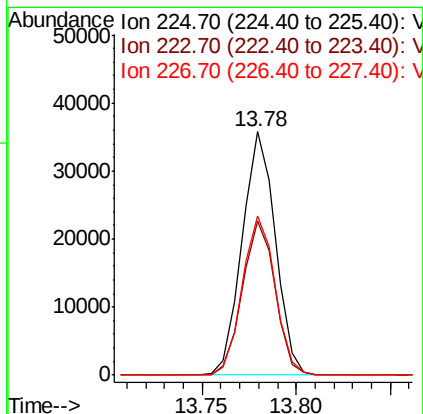
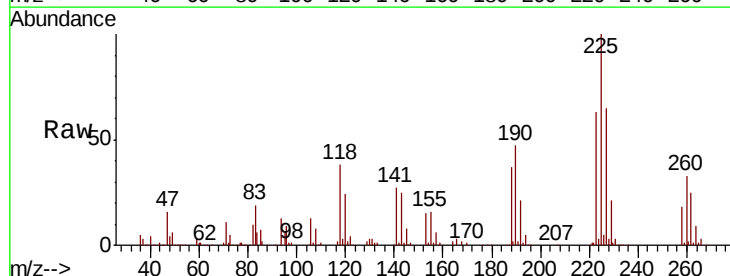
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

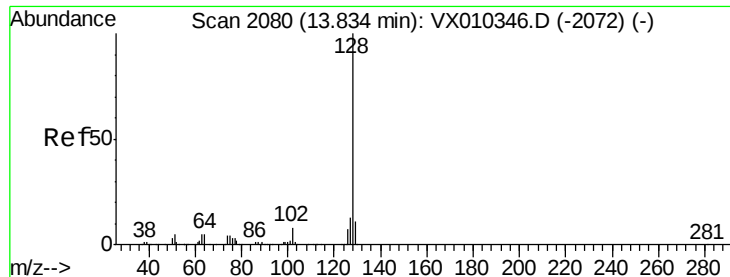
Tot Ion:180 Resp: 91029
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.0
 145 29.2 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 20.151 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion:225 Resp: 43867
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.9 92.7
 227 64.2 31.9 95.5





#95

Naphthalene

Concen: 18.920 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

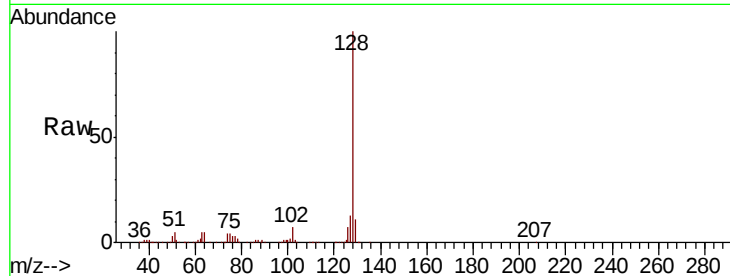
Tot Ion:128 Resp: 285993

Ion Ratio Lower Upper

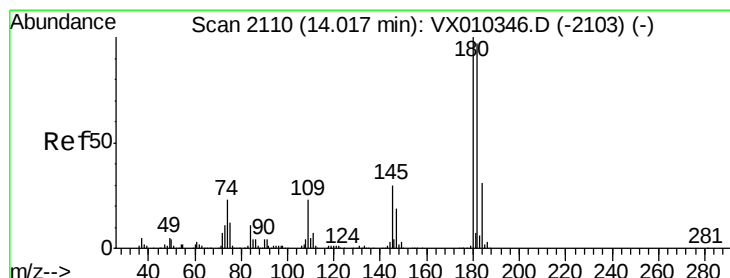
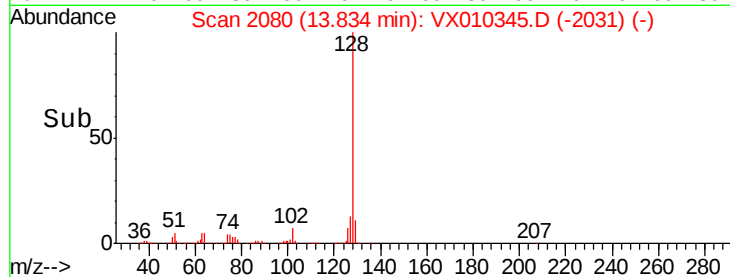
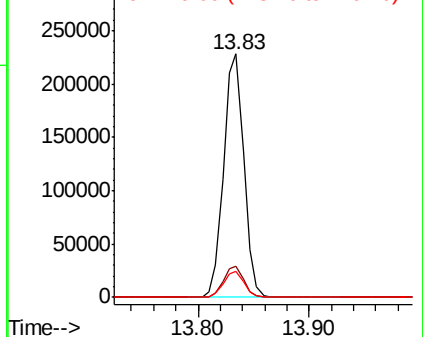
128 100

127 13.0 10.2 15.4

129 10.9 8.9 13.3



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



#96

1,2,3-Trichlorobenzene

Concen: 19.055 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

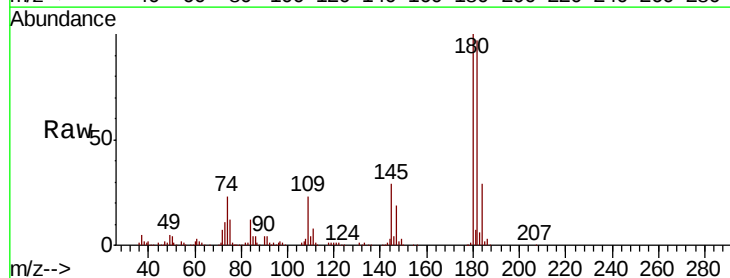
Tgt Ion:180 Resp: 91011

Ion Ratio Lower Upper

180 100

182 97.7 47.8 143.3

145 29.9 15.2 45.6



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

