

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011045.D
 Acq On : 22 Jul 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 23 03:48:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116494	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.50	113	101468	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	8.71	98	377722	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.13	95	146332	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	114683	47.597	ug/l	99
3) Chloromethane	1.32	50	95483	45.925	ug/l	99
4) Vinyl Chloride	1.41	62	102966	48.554	ug/l	99
5) Bromomethane	1.64	94	53999	45.186	ug/l	98
6) Chloroethane	1.71	64	62779	46.584	ug/l	97
7) Trichlorofluoromethane	1.92	101	177030	49.315	ug/l	100
8) Diethyl Ether	2.19	74	58656	47.424	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98783	48.195	ug/l	99
10) Methyl Iodide	2.51	142	130662	48.578	ug/l	99
11) Tert butyl alcohol	3.05	59	136124	243.012	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97689	48.509	ug/l	97
13) Acrolein	2.29	56	71571	221.146	ug/l	97
14) Allyl chloride	2.73	41	144644	49.448	ug/l	99
15) Acrylonitrile	3.14	53	283369	250.349	ug/l	100
16) Acetone	2.45	43	237610	218.730	ug/l	98
17) Carbon Disulfide	2.57	76	230701	44.660	ug/l	100
18) Methyl Acetate	2.78	43	137442	55.564	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	334119	51.539	ug/l	99
20) Methylene Chloride	2.85	84	109719	47.660	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	102332	47.891	ug/l	96
22) Diisopropyl ether	3.85	45	306255	49.642	ug/l	98
23) Vinyl Acetate	3.82	43	1324071	253.303	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176232	49.188	ug/l	100
25) 2-Butanone	4.67	43	389863	250.010	ug/l	100
26) 2,2-Dichloropropane	4.58	77	128329	43.622	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	119398	48.282	ug/l	99
28) Bromochloromethane	5.01	49	78801	46.673	ug/l	99
29) Tetrahydrofuran	5.13	42	250395	253.493	ug/l	100
30) Chloroform	5.21	83	193866	50.060	ug/l	98
31) Cyclohexane	5.58	56	157741	48.302	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	172814	51.579	ug/l	100
36) 1,1-Dichloropropene	5.80	75	136309	48.242	ug/l	99
37) Ethyl Acetate	4.83	43	146017	50.468	ug/l	99
38) Carbon Tetrachloride	5.79	117	149233	50.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170204	46.451	ug/l	99
40) Benzene	6.14	78	416640	48.137	ug/l	100
41) Methacrylonitrile	5.04	41	79052	48.131	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152258	50.594	ug/l	98
43) Isopropyl Acetate	6.45	43	241283	50.717	ug/l	99
44) Trichloroethene	7.21	130	122292	47.733	ug/l	91
45) 1,2-Dichloropropane	7.51	63	106683	48.428	ug/l	100
46) Dibromomethane	7.66	93	78553	49.903	ug/l	99
47) Bromodichloromethane	7.90	83	145930	52.079	ug/l	99
48) Methyl methacrylate	7.77	41	117234	50.585	ug/l	98
49) 1,4-Dioxane	7.74	88	60251	929.398	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	798323	258.865	ug/l	99
52) Toluene	8.78	92	276091	48.557	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157580	52.301	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	169120	50.444	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115668	49.407	ug/l	98
56) Ethyl methacrylate	9.18	69	182119	53.181	ug/l	100
57) 1,3-Dichloropropane	9.37	76	183499	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	410182	250.917	ug/l	100
59) 2-Hexanone	9.49	43	624610	261.130	ug/l	100
60) Dibromochloromethane	9.58	129	127168	47.340	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125242	50.408	ug/l	100
64) Tetrachloroethene	9.34	164	116077	46.619	ug/l	94
65) Chlorobenzene	10.13	112	314397	48.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	116306	50.906	ug/l	97
67) Ethyl Benzene	10.25	91	547349	49.466	ug/l	99
68) m/p-Xylenes	10.36	106	418181	98.523	ug/l	100
69) o-Xylene	10.69	106	203541	49.136	ug/l	98
70) Styrene	10.71	104	353555	51.200	ug/l	99
71) Bromoform	10.85	173	99362	47.878	ug/l #	100
73) Isopropylbenzene	11.02	105	557703	48.878	ug/l	99
74) N-amyl acetate	10.90	43	220530	50.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185399	49.651	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	203848	66.896	ug/l	83
77) Bromobenzene	11.26	156	152040	48.308	ug/l	99
78) n-propylbenzene	11.36	91	625950	49.650	ug/l	99
79) 2-Chlorotoluene	11.42	91	373317	49.293	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	470192	49.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53140	44.645	ug/l	97
82) 4-Chlorotoluene	11.51	91	436321	49.499	ug/l	99
83) tert-Butylbenzene	11.77	119	466517	49.815	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	477917	49.733	ug/l	99
85) sec-Butylbenzene	11.94	105	548043	49.943	ug/l	100
86) p-Isopropyltoluene	12.06	119	511719	50.441	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269757	49.389	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	267392	47.734	ug/l	98
89) n-Butylbenzene	12.38	91	436542	50.297	ug/l	100
90) Hexachloroethane	12.60	117	81927	51.201	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	266020	49.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40557	51.961	ug/l	99

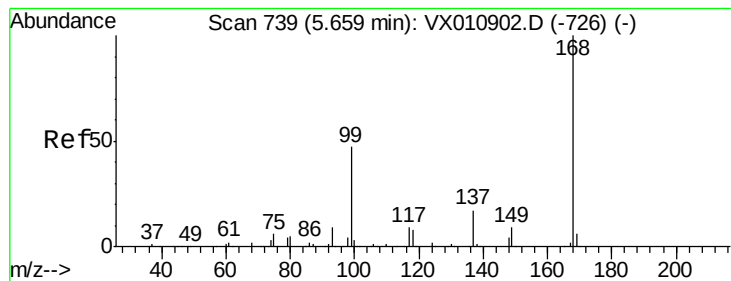
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180995	49.337	ug/l	98
94) Hexachlorobutadiene	13.78	225	87494	48.128	ug/l	99
95) Naphthalene	13.83	128	571677	52.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	183757	50.342	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

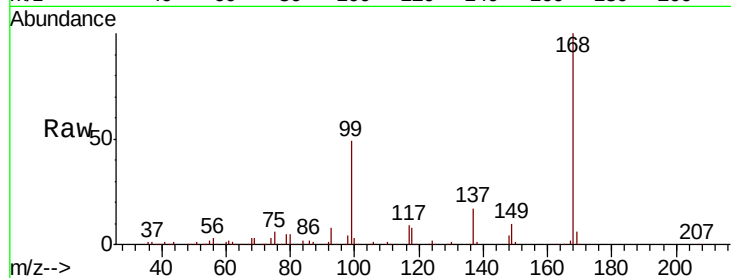
VSTDCCC050EC

Tot Ion:168 Resp: 226087

Ion Ratio Lower Upper

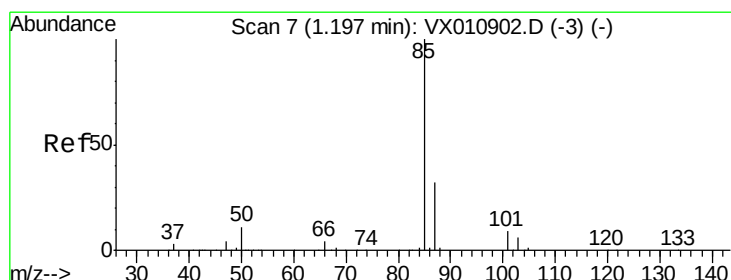
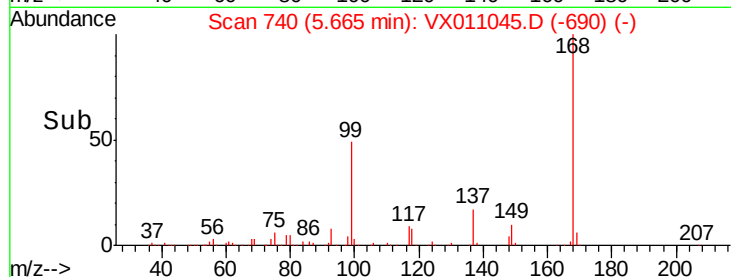
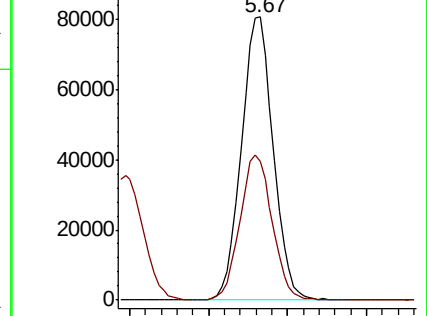
168 100

99 49.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.597 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011045.D

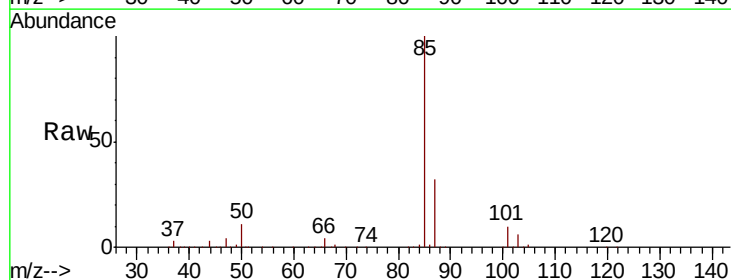
Acq: 22 Jul 2019 20:54

Tgt Ion: 85 Resp: 114683

Ion Ratio Lower Upper

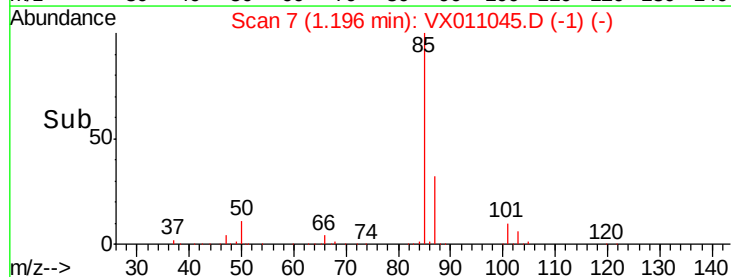
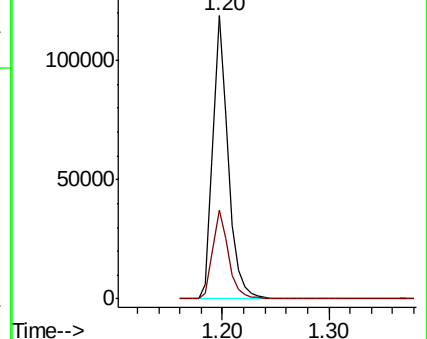
85 100

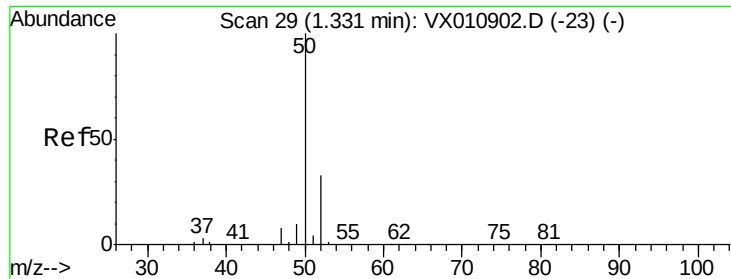
87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.925 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

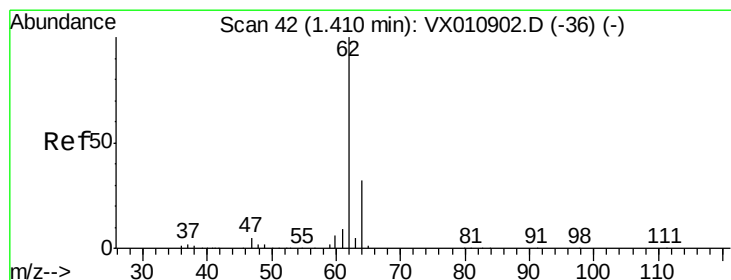
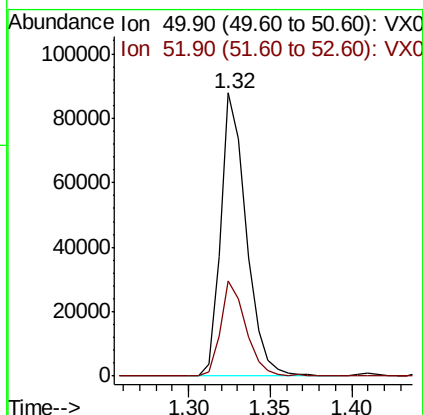
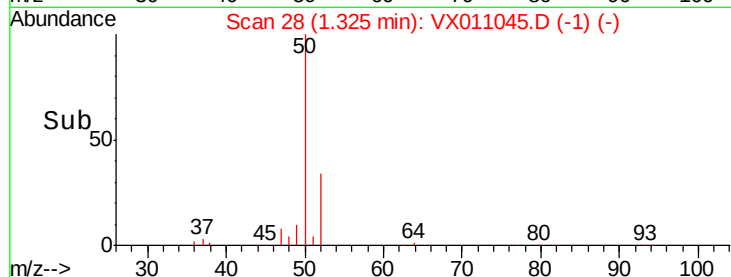
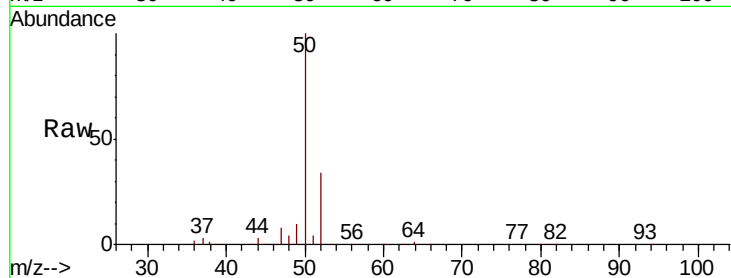
VSTDCCC050EC

Tot Ion: 50 Resp: 95483

Ion Ratio Lower Upper

50 100

52 33.8 26.4 39.6



#4

Vinyl Chloride

Concen: 48.554 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011045.D

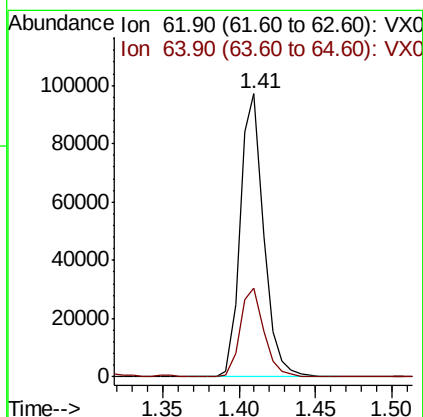
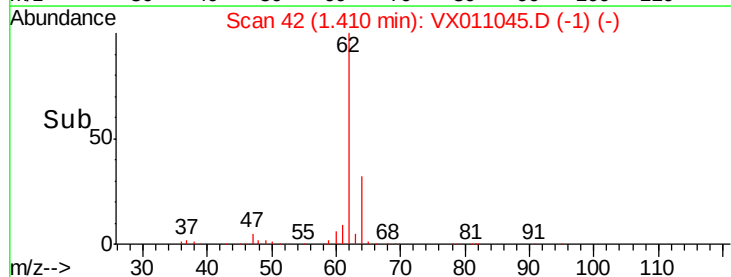
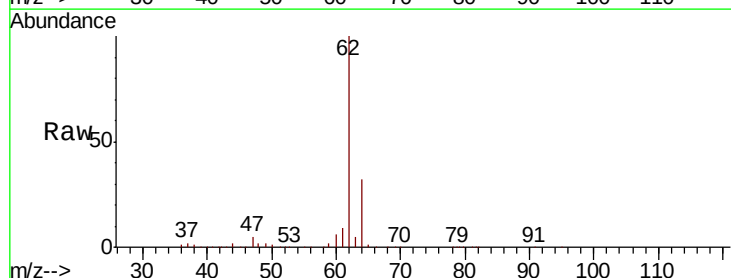
Acq: 22 Jul 2019 20:54

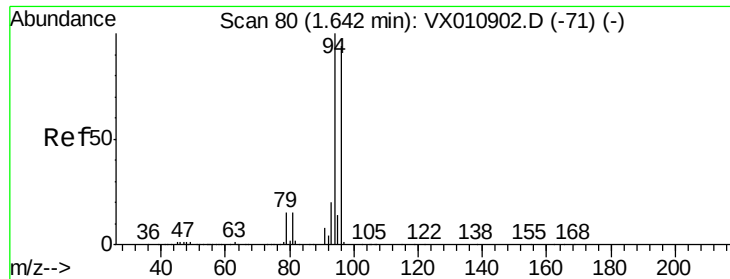
Tgt Ion: 62 Resp: 102966

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 45.186 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

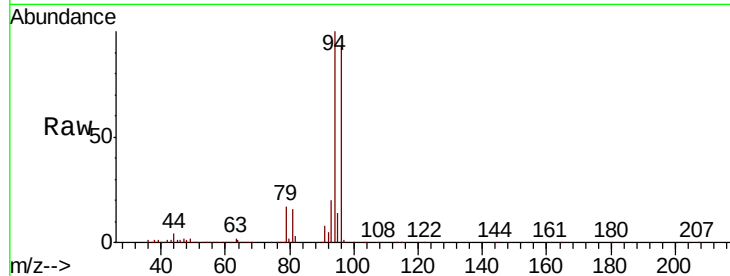
VSTDCCC050EC

Tot Ion: 94 Resp: 53999

Ion Ratio Lower Upper

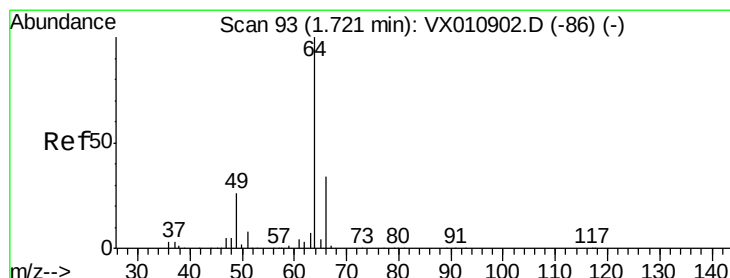
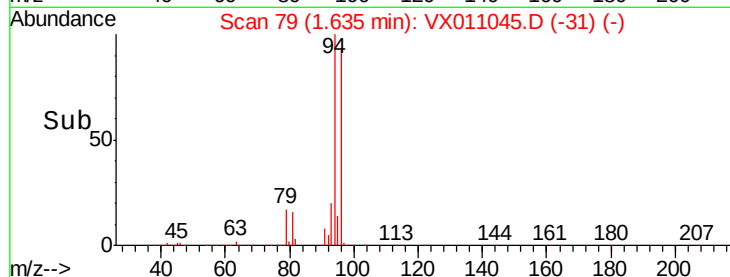
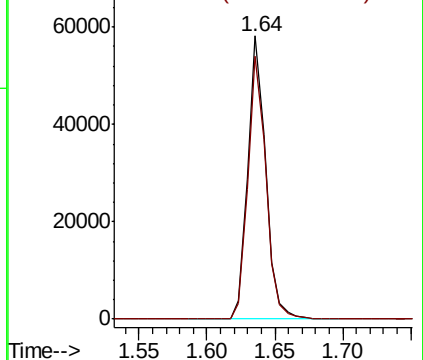
94 100

96 92.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.584 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011045.D

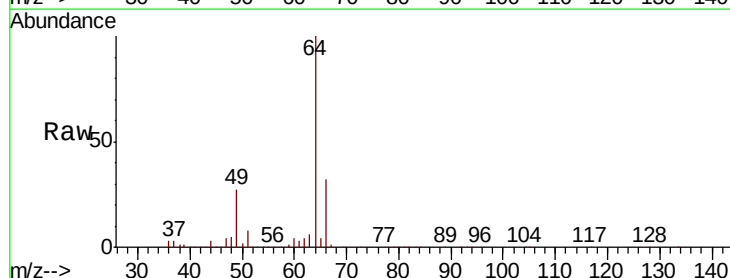
Acq: 22 Jul 2019 20:54

Tgt Ion: 64 Resp: 62779

Ion Ratio Lower Upper

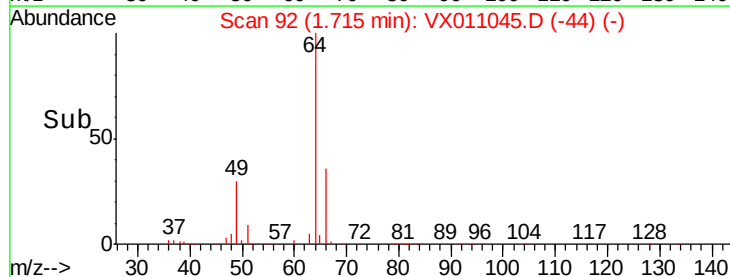
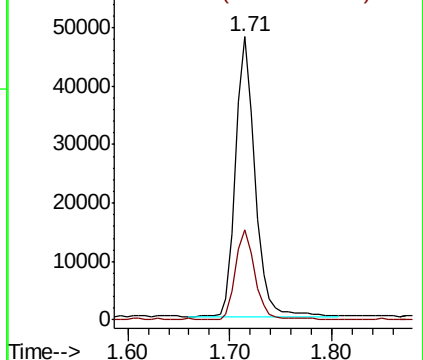
64 100

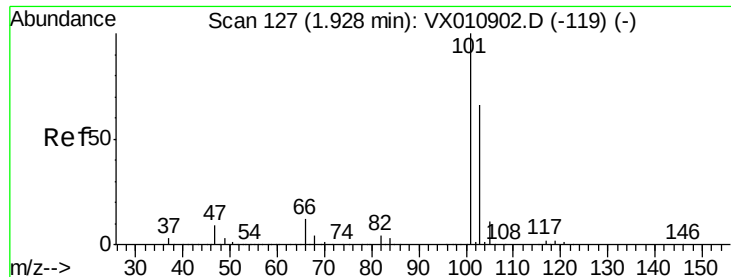
66 32.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



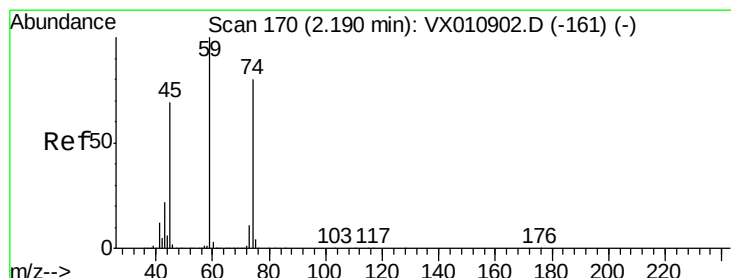
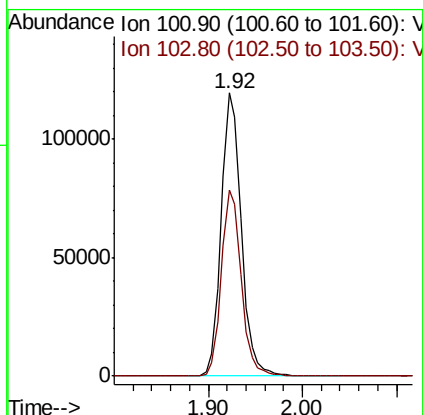
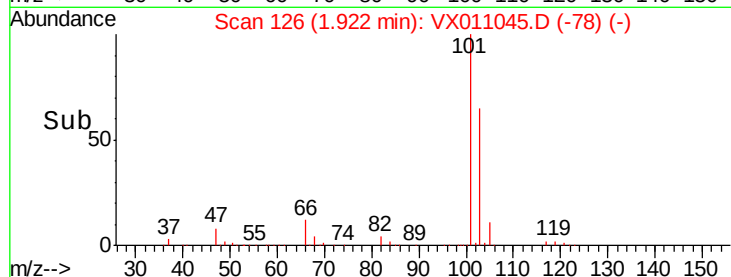
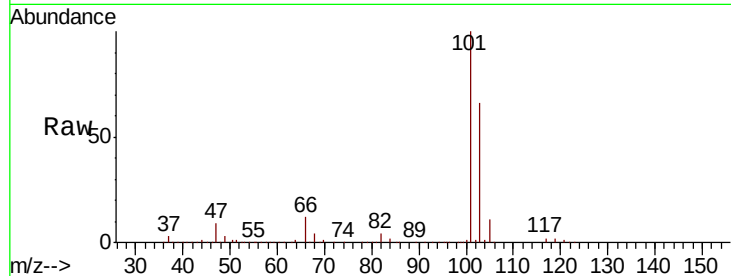


#7

Trichlorofluoromethane
Concen: 49.315 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
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VSTDCCC050EC

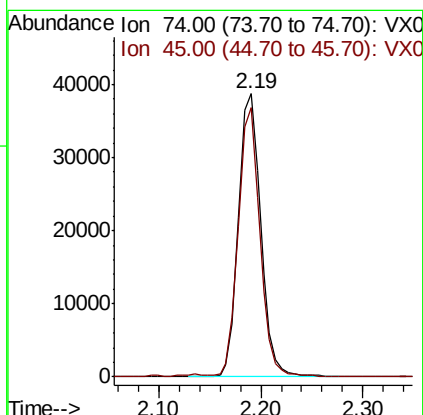
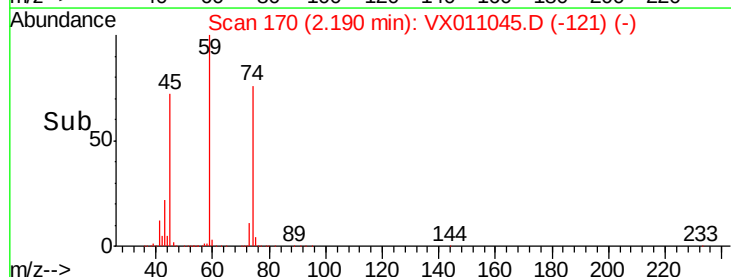
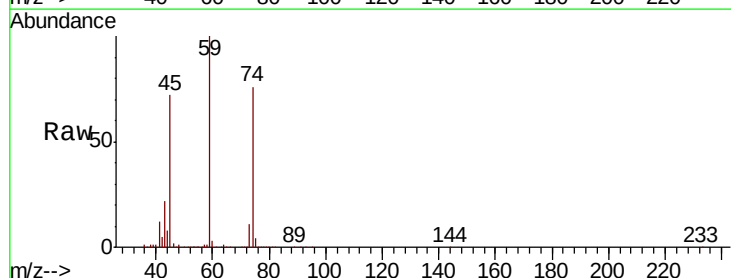
Tot Ion:101 Resp: 177030
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

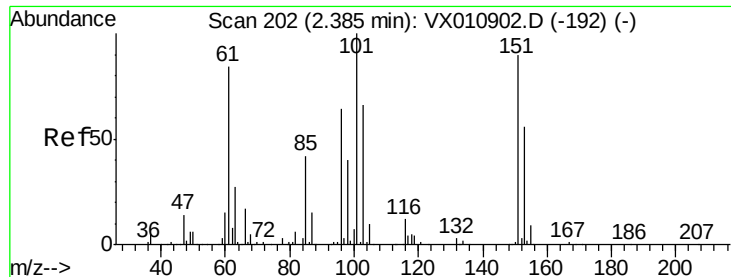


#8

Diethyl Ether
Concen: 47.424 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 74 Resp: 58656
Ion Ratio Lower Upper
74 100
45 91.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.195 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

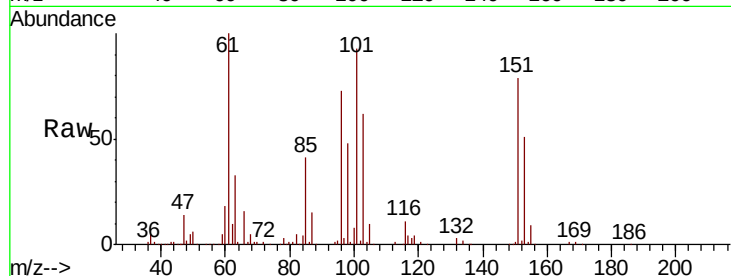
Tot Ion:101 Resp: 98783

Ion Ratio Lower Upper

101 100

85 43.4 34.6 52.0

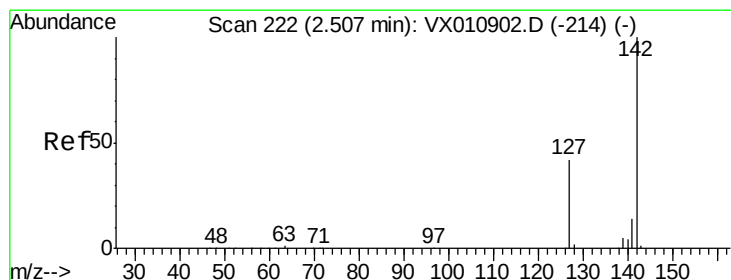
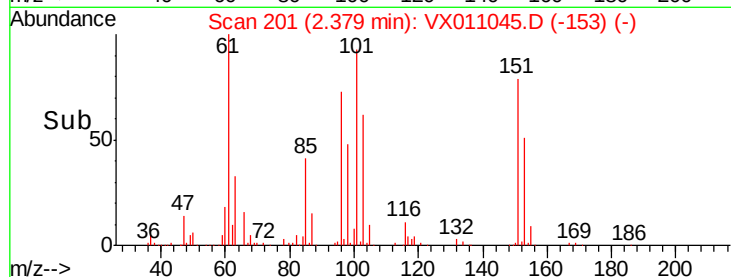
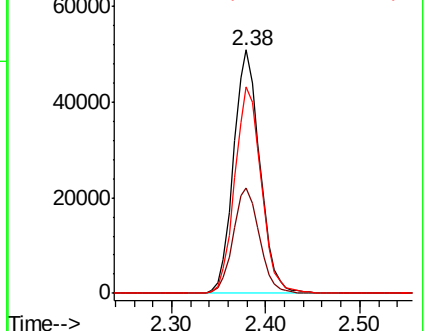
151 85.6 69.6 104.4



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: 48.578 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

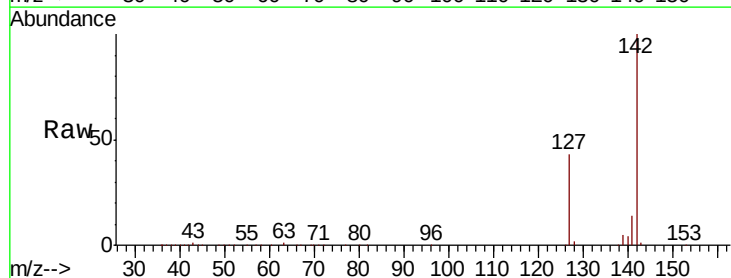
Tgt Ion:142 Resp: 130662

Ion Ratio Lower Upper

142 100

127 43.6 34.2 51.4

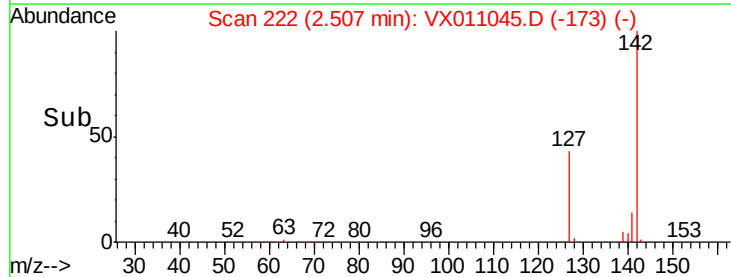
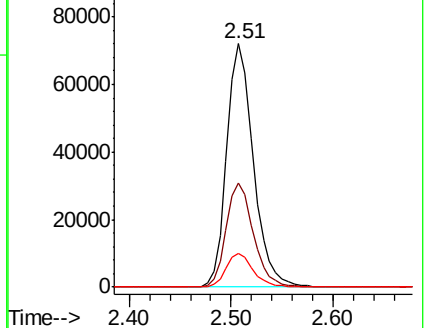
141 14.1 11.7 17.5

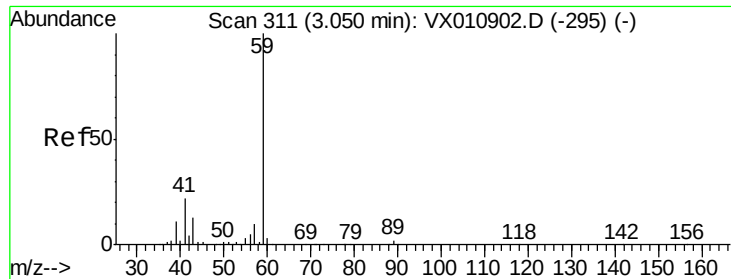


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



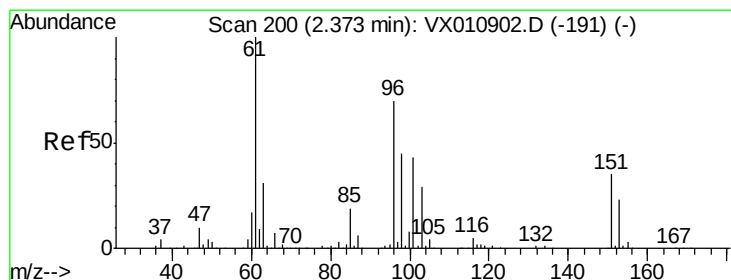
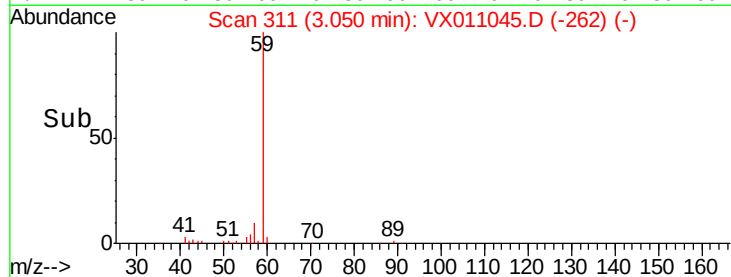
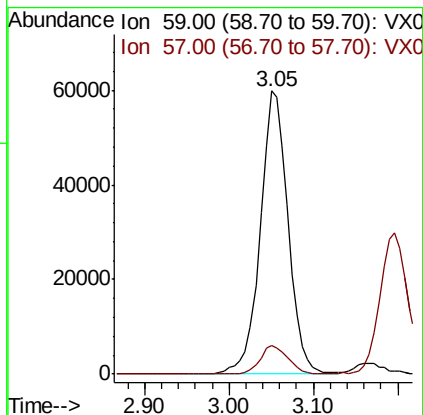
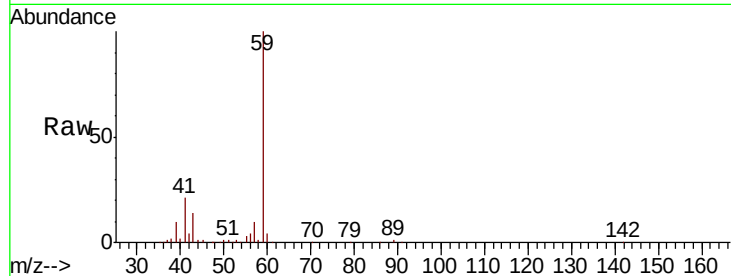


#11

Tert butyl alcohol
 Concen: 243.012 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

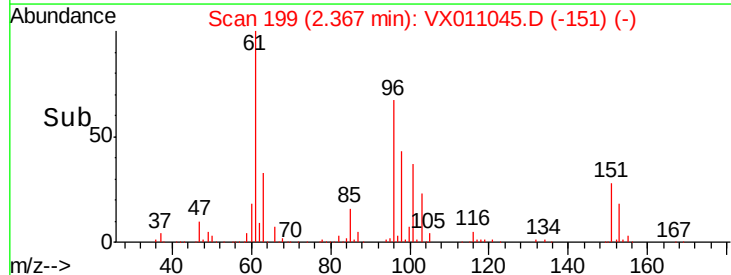
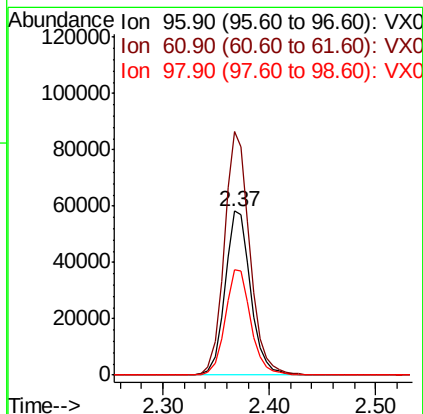
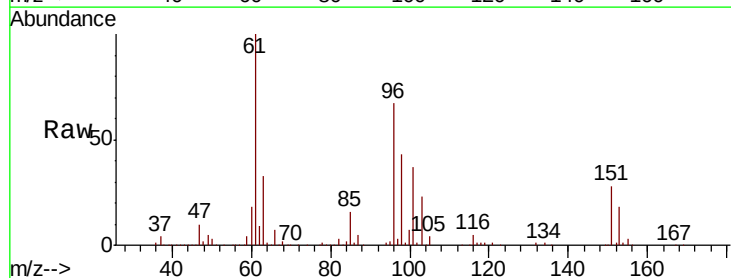
Tot Ion: 59 Resp: 136124
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.9 11.9

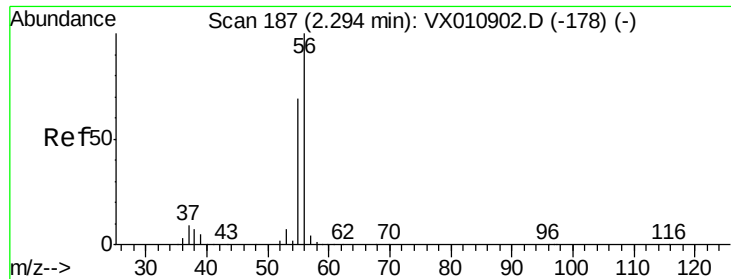


#12

1,1-Dichloroethene
 Concen: 48.509 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 96 Resp: 97689
 Ion Ratio Lower Upper
 96 100
 61 148.4 115.0 172.4
 98 64.5 52.2 78.2





#13

Acrolein

Concen: 221.146 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

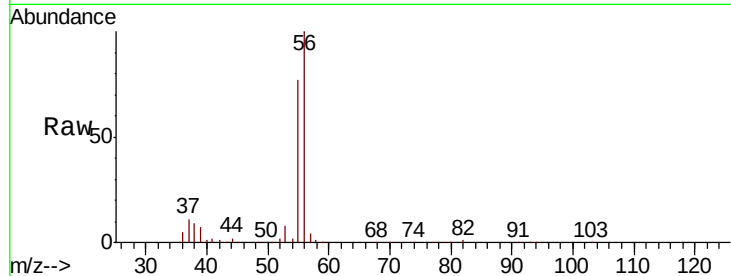
VSTDCCC050EC

Tot Ion: 56 Resp: 71571

Ion Ratio Lower Upper

56 100

55 72.5 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

30000

20000

10000

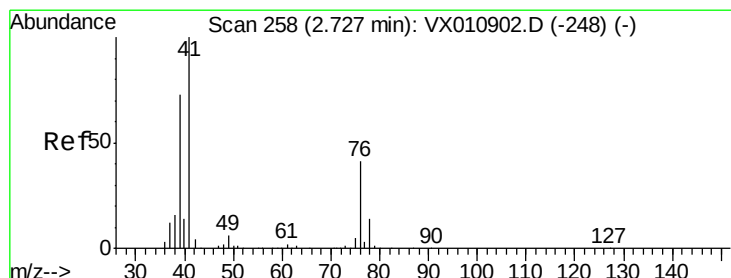
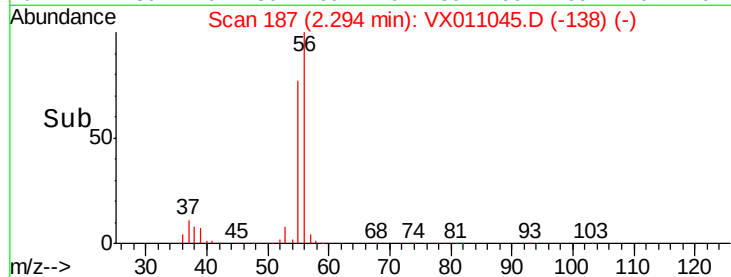
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 49.448 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

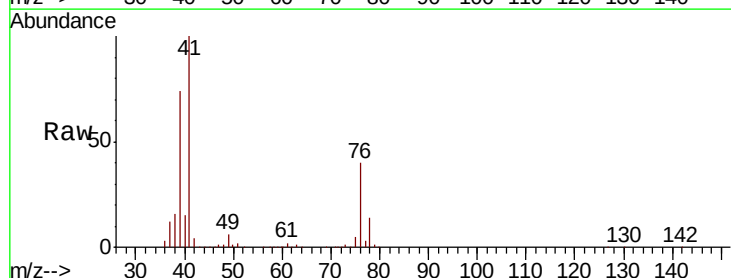
Tgt Ion: 41 Resp: 144644

Ion Ratio Lower Upper

41 100

39 67.8 53.6 80.4

76 37.1 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

20000

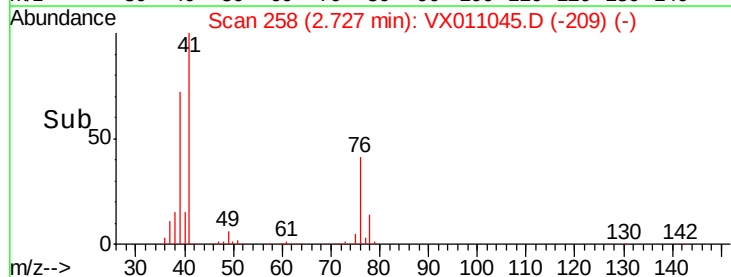
0

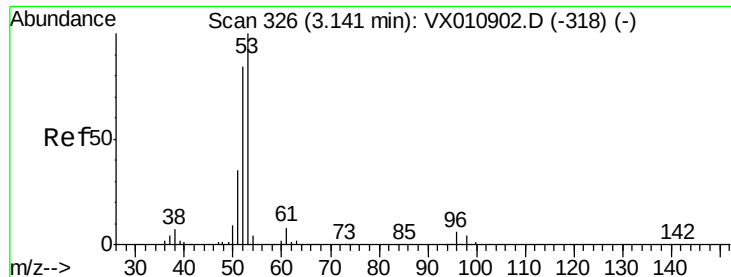
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 250.349 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

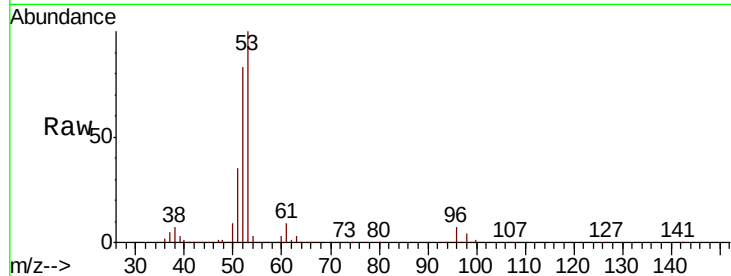
Tot Ion: 53 Resp: 283369

Ion Ratio Lower Upper

53 100

52 83.0 66.5 99.7

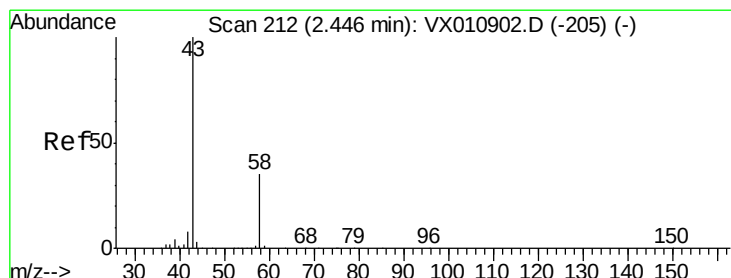
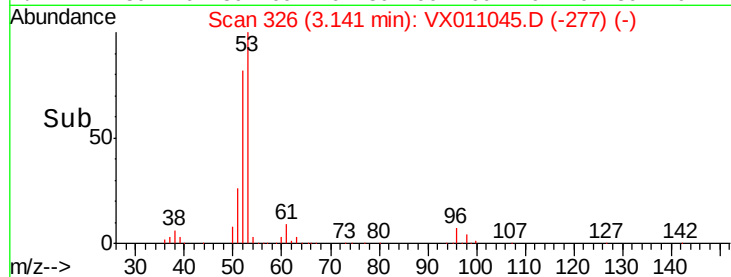
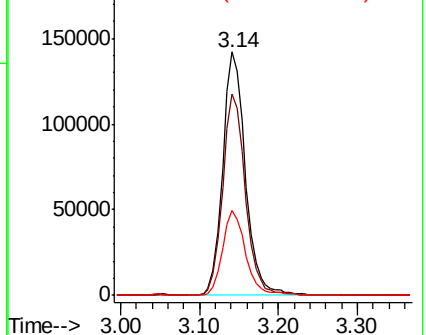
51 35.6 28.2 42.4



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: 218.730 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011045.D

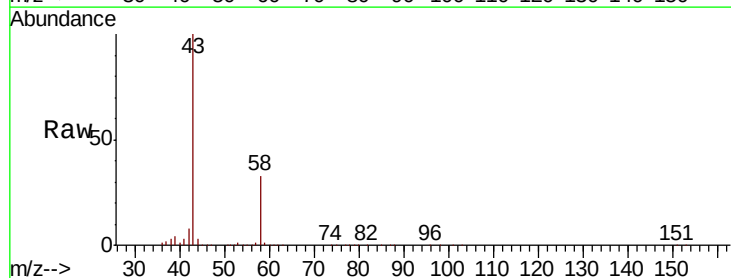
Acq: 22 Jul 2019 20:54

Tgt Ion: 43 Resp: 237610

Ion Ratio Lower Upper

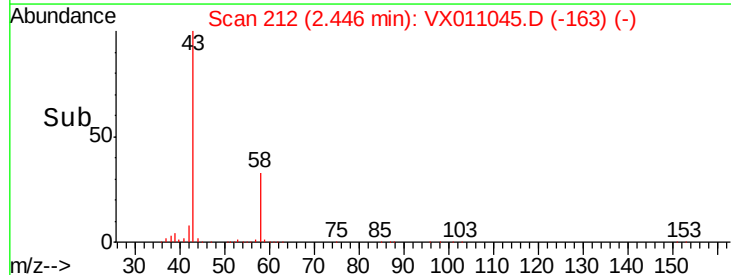
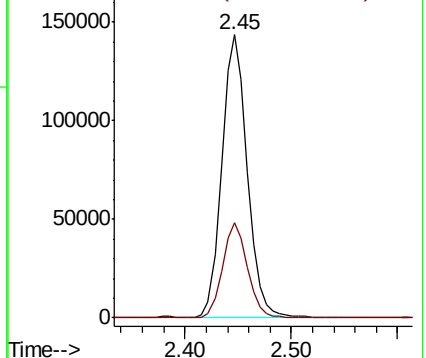
43 100

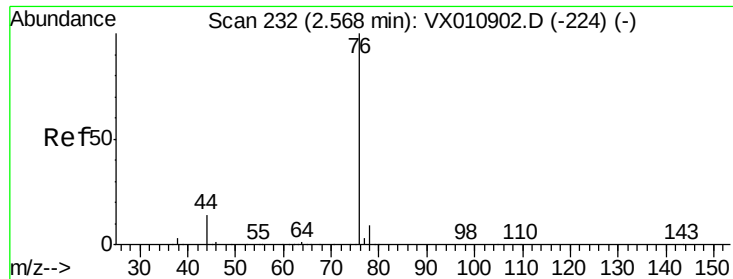
58 33.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

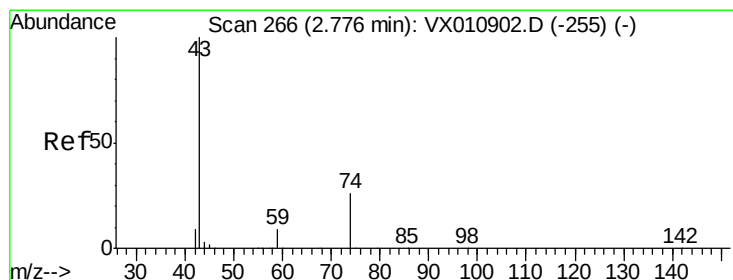
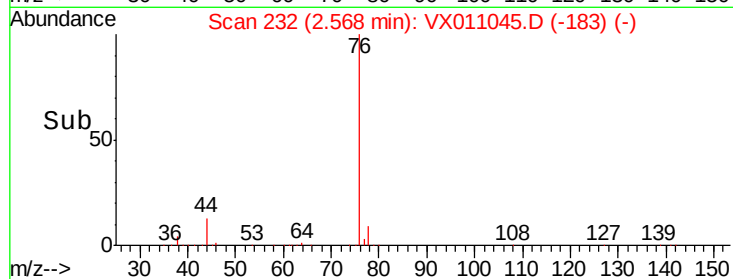
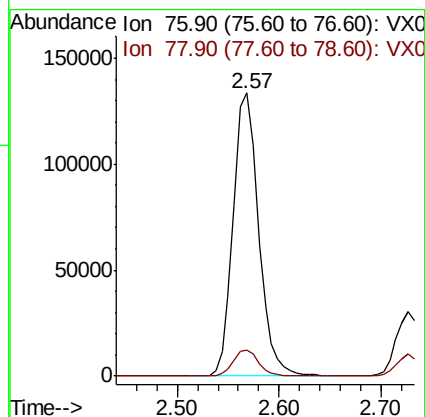
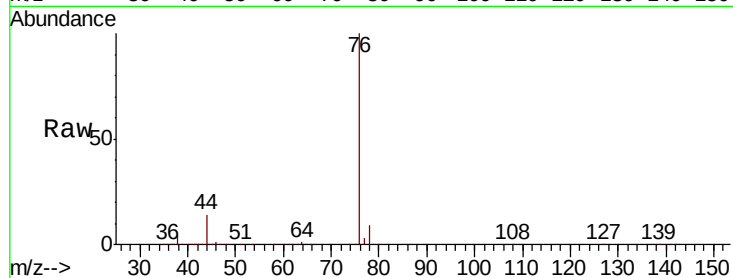




#17
 Carbon Disulfide
 Concen: 44.660 ug/l
 RT: 2.57 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

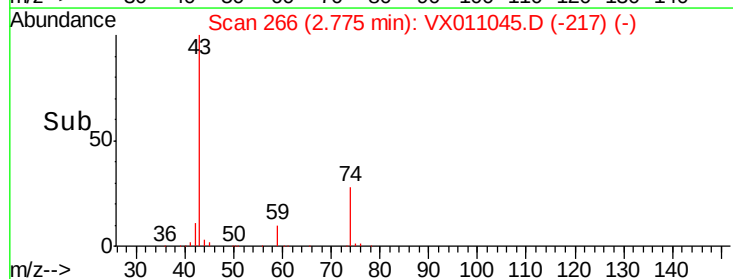
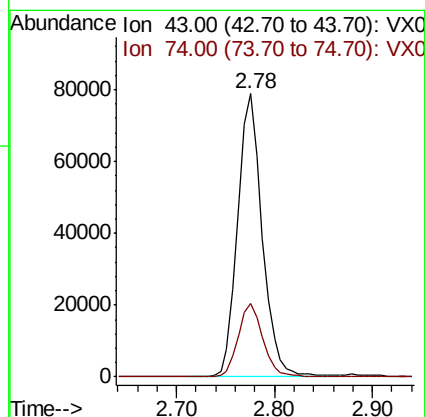
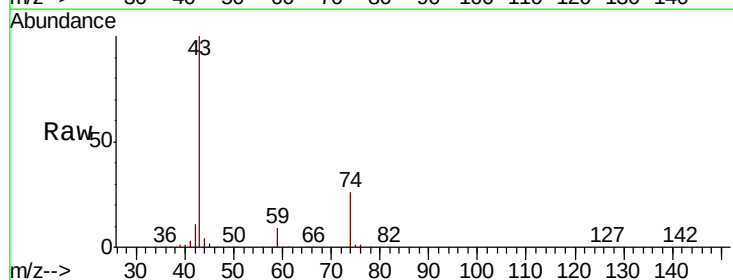
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

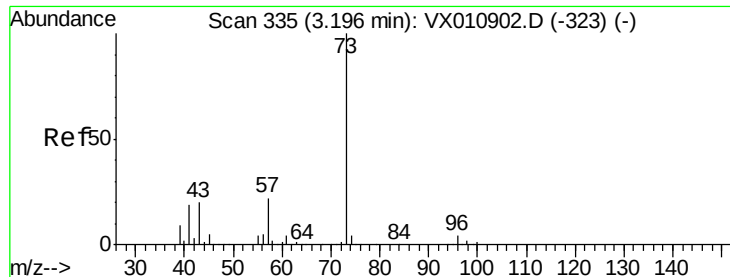
Tot Ion: 76 Resp: 230701
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.4 11.0



#18
 Methyl Acetate
 Concen: 55.564 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 43 Resp: 137442
 Ion Ratio Lower Upper
 43 100
 74 25.4 21.5 32.3



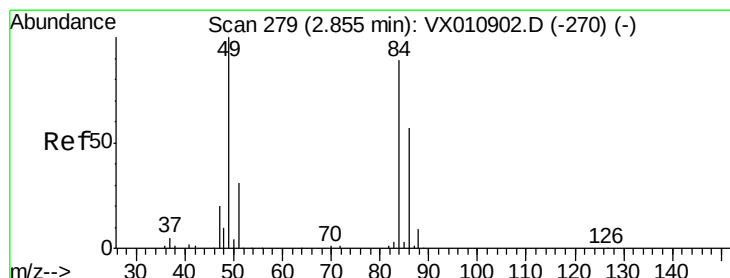
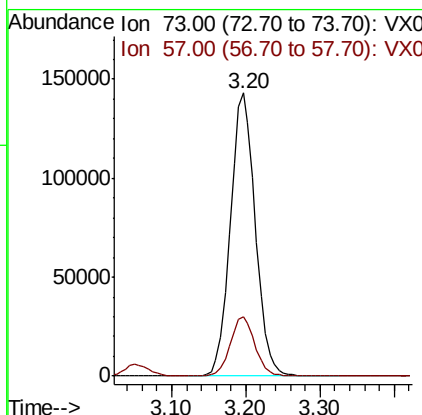
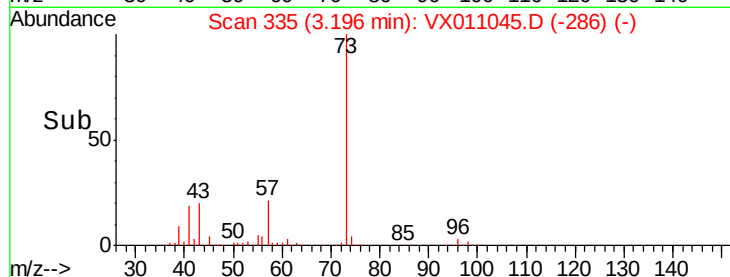
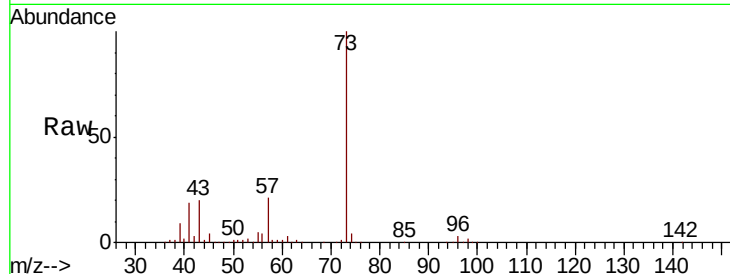


#19

Methyl tert-butyl Ether
 Concen: 51.539 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

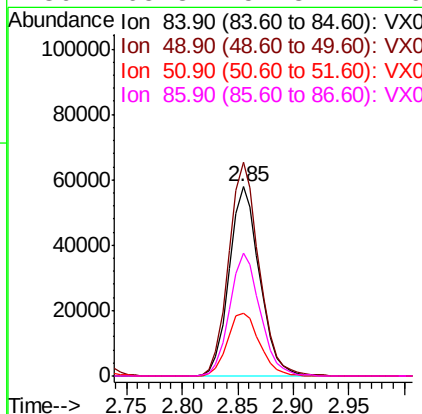
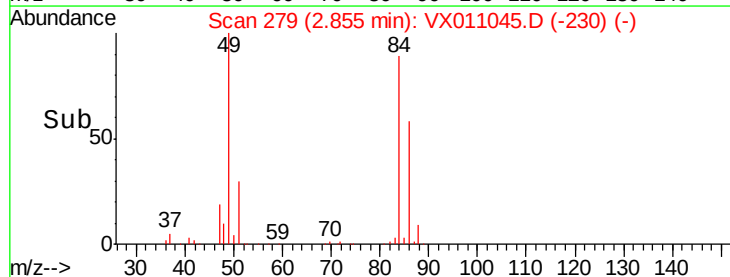
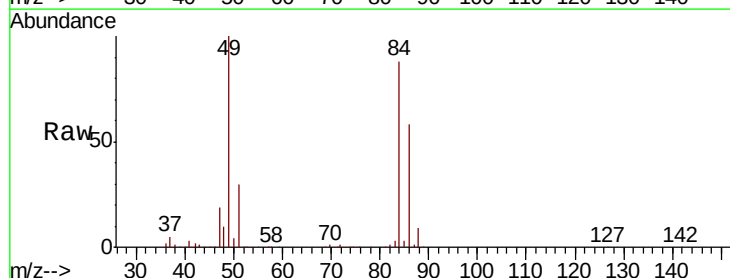
Tot Ion: 73 Resp: 334119
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.3 25.9

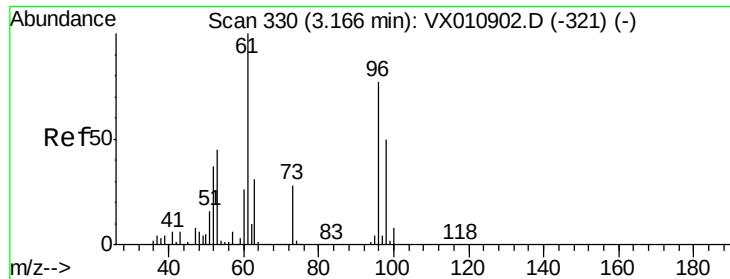


#20

Methylene Chloride
 Concen: 47.660 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 84 Resp: 109719
 Ion Ratio Lower Upper
 84 100
 49 113.0 89.9 134.9
 51 33.4 27.8 41.6
 86 65.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.891 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

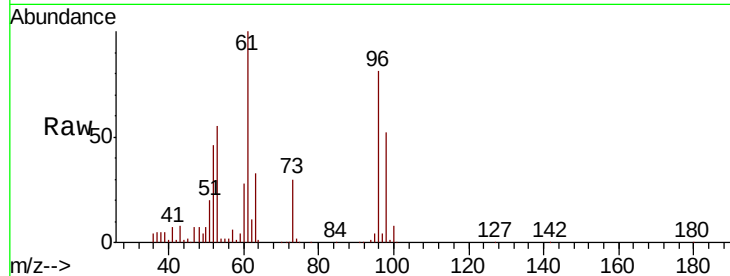
Tot Ion: 96 Resp: 102332

Ion Ratio Lower Upper

96 100

61 124.1 104.2 156.2

98 64.9 52.2 78.4

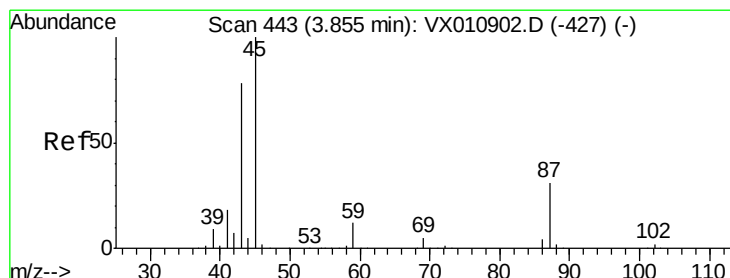
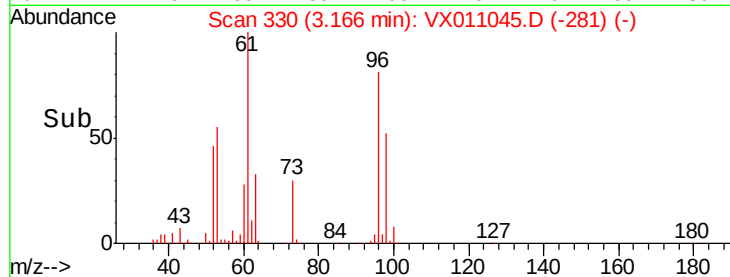
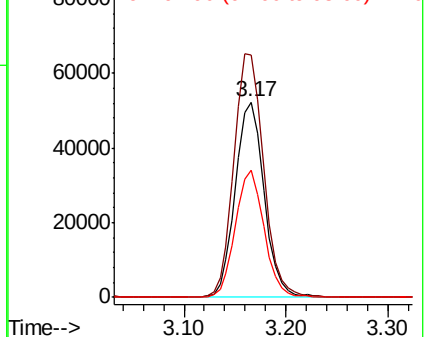


Abundance

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



#22

Diisopropyl ether

Concen: 49.642 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion: 45 Resp: 306255

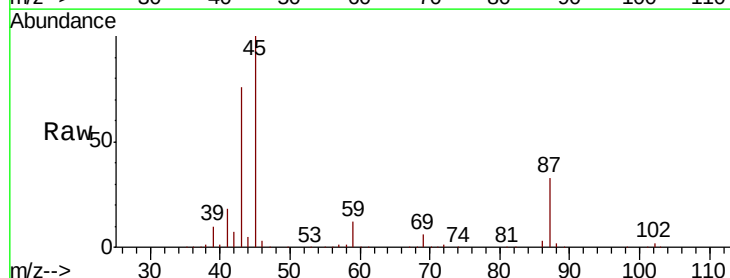
Ion Ratio Lower Upper

45 100

43 76.2 62.3 93.5

87 33.3 25.0 37.4

59 12.3 9.9 14.9



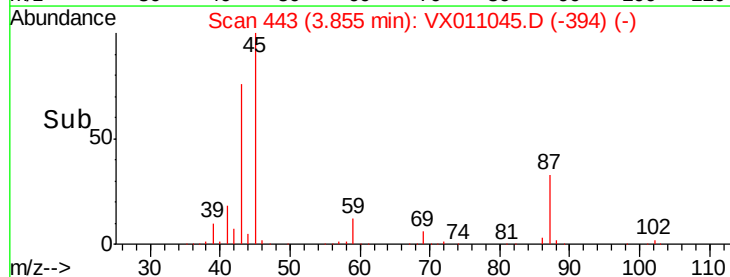
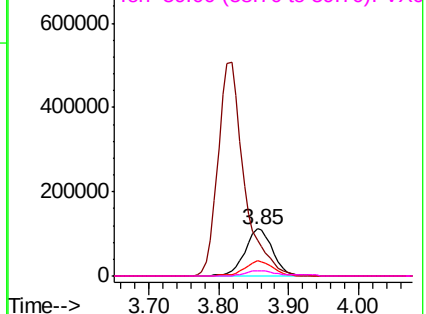
Abundance

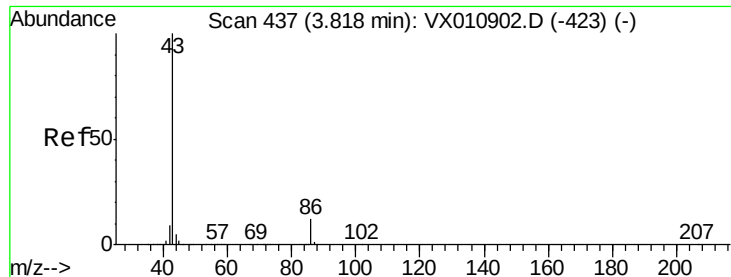
Ion 45.00 (44.70 to 45.70): VX0

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: 253.303 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

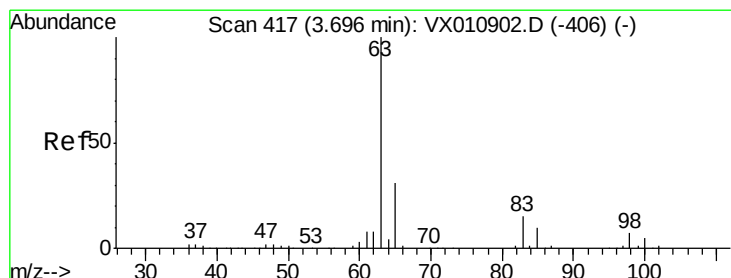
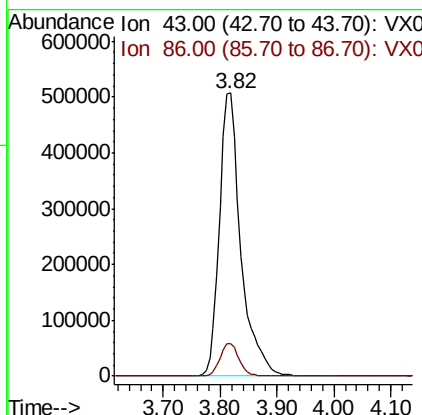
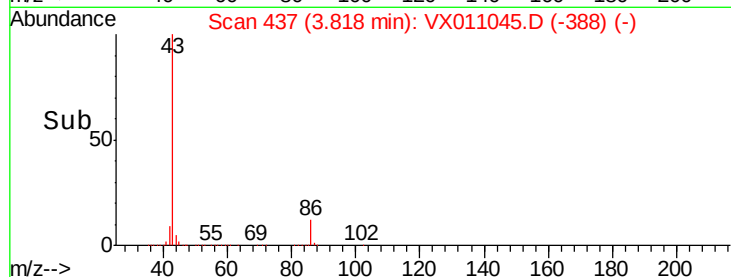
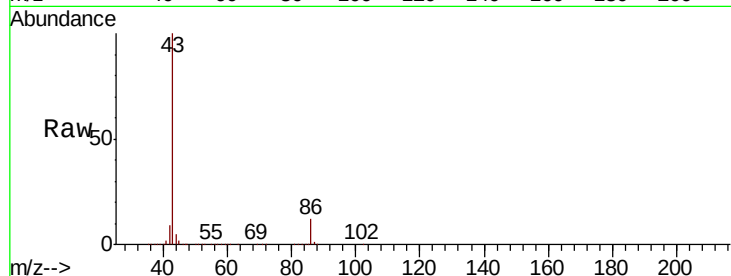
VSTDCCC050EC

Tot Ion: 43 Resp: 1324071

Ion Ratio Lower Upper

43 100

86 11.6 9.4 14.0



#24

1,1-Dichloroethane

Concen: 49.188 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

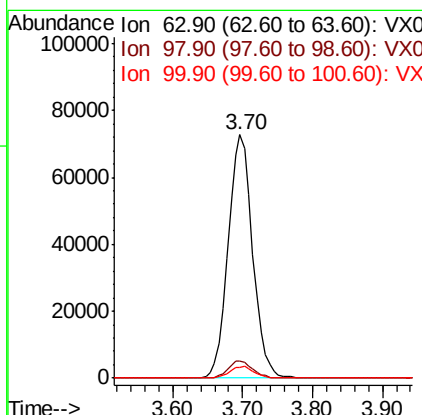
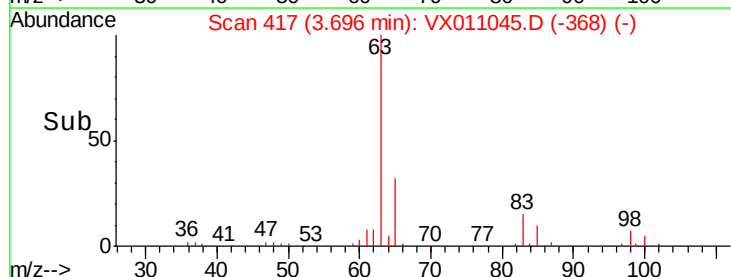
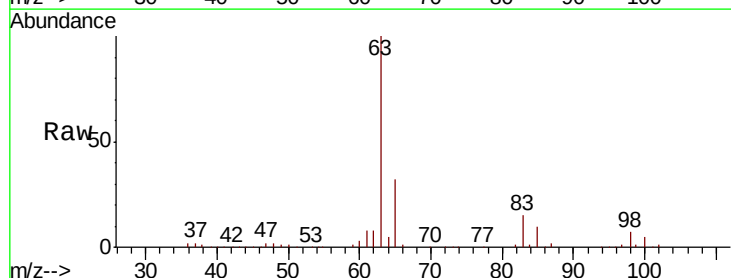
Tgt Ion: 63 Resp: 176232

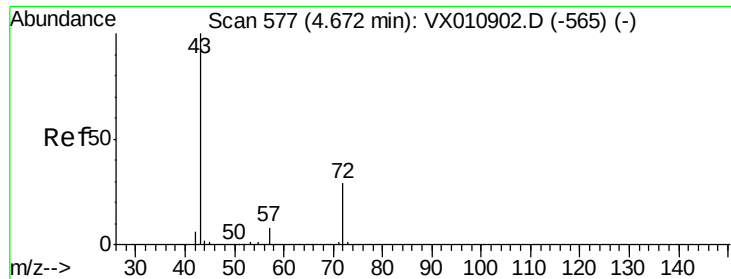
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 250.010 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

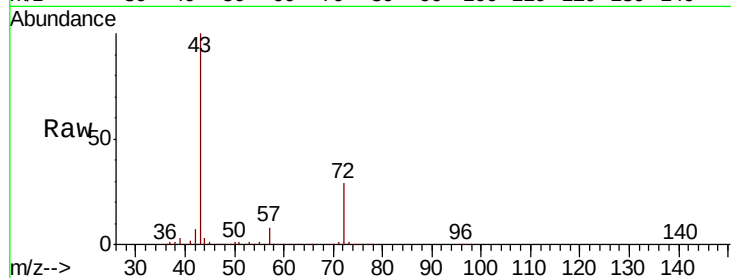
VSTDCCC050EC

Tot Ion: 43 Resp: 389863

Ion Ratio Lower Upper

43 100

72 29.0 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX010902.D (-565) (-)

Ion 72.00 (71.70 to 72.70): VX010902.D (-565) (-)

4.67

150000

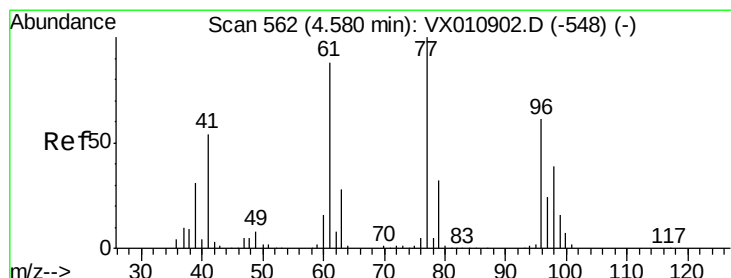
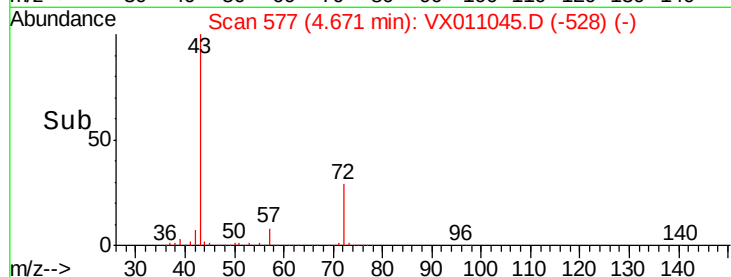
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.622 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011045.D

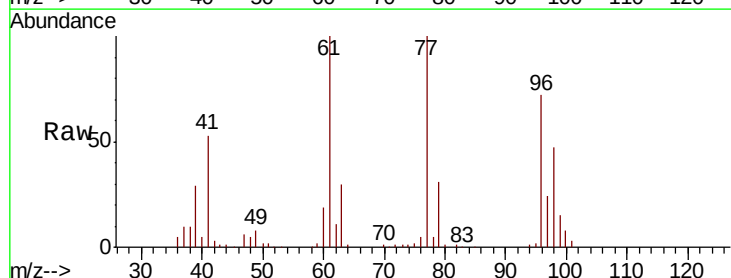
Acq: 22 Jul 2019 20:54

Tgt Ion: 77 Resp: 128329

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX010902.D (-548) (-)

Ion 96.90 (96.60 to 97.60): VX010902.D (-548) (-)

4.58

50000

40000

30000

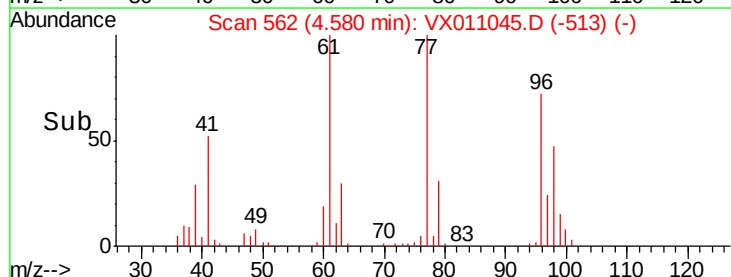
20000

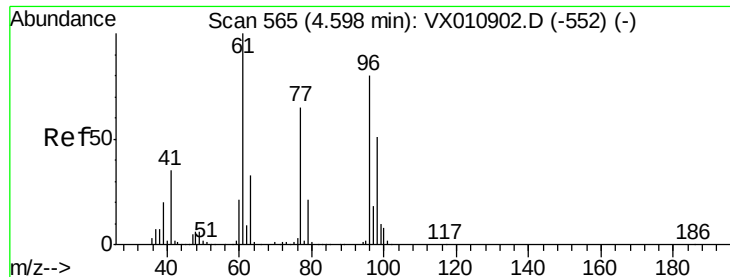
10000

0

4.50 4.60 4.70

Time-->



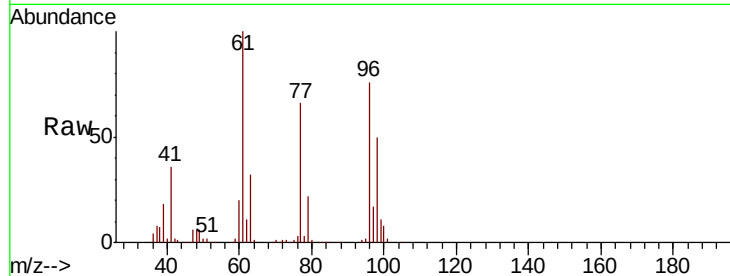


#27

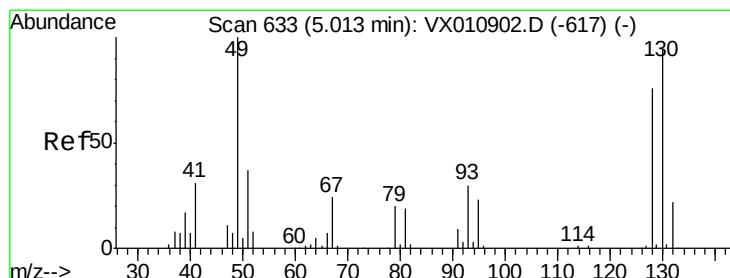
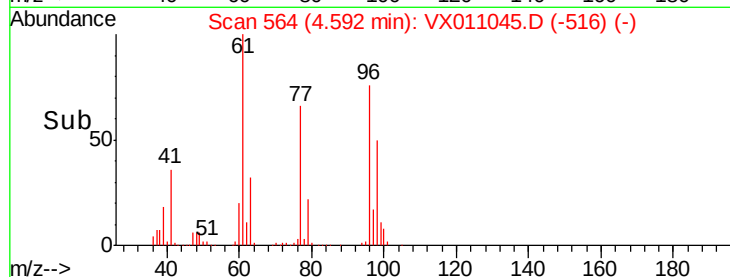
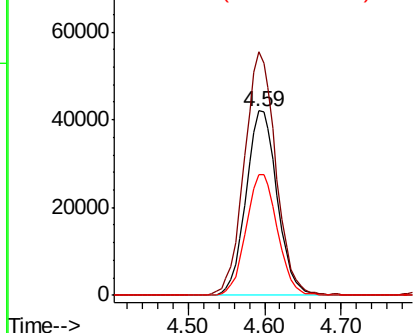
cis-1,2-Dichloroethene
Concen: 48.282 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 119398
Ion Ratio Lower Upper
96 100
61 133.5 0.0 269.0
98 65.8 0.0 131.4



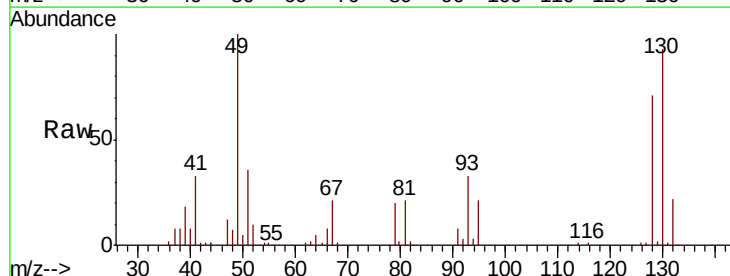
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



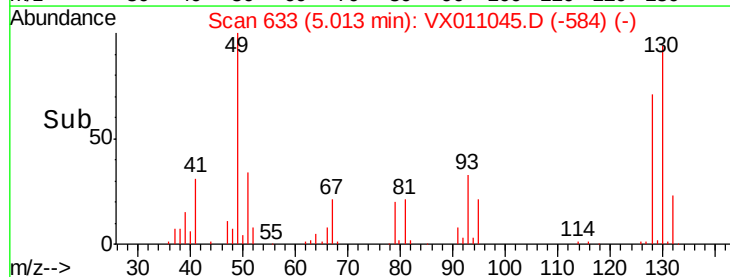
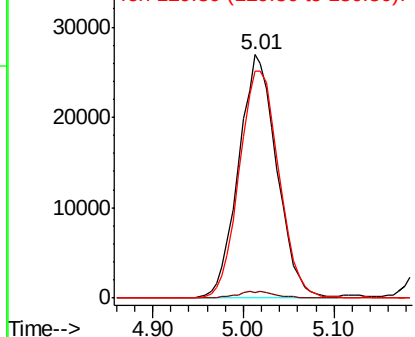
#28

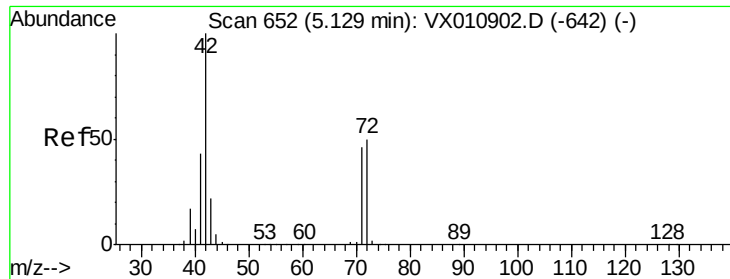
Bromochloromethane
Concen: 46.673 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 49 Resp: 78801
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.2
130 96.9 76.9 115.3



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: 253.493 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

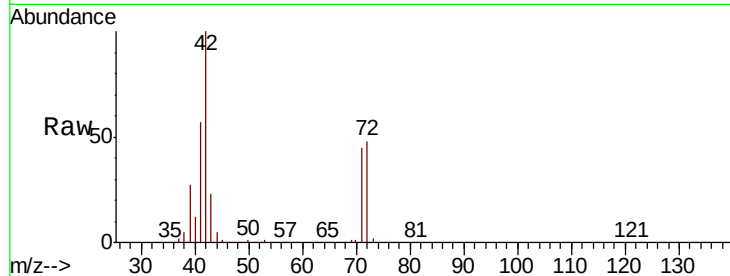
Tot Ion: 42 Resp: 250395

Ion Ratio Lower Upper

42 100

72 50.0 39.8 59.8

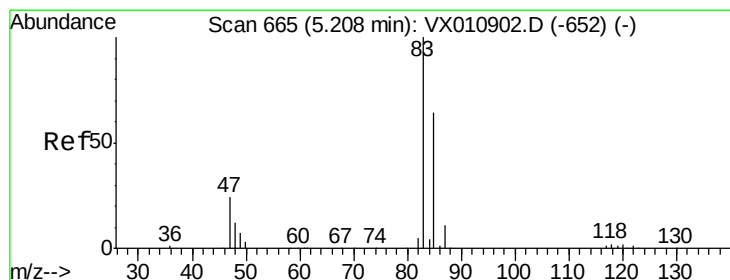
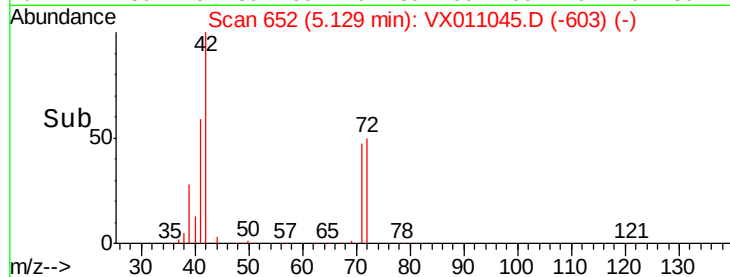
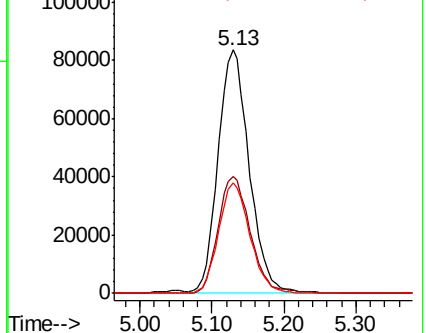
71 45.9 37.0 55.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.060 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX011045.D

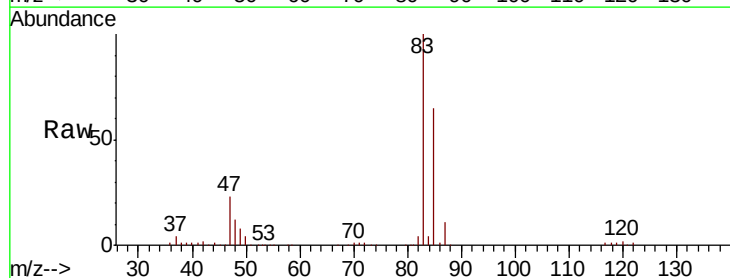
Acq: 22 Jul 2019 20:54

Tgt Ion: 83 Resp: 193866

Ion Ratio Lower Upper

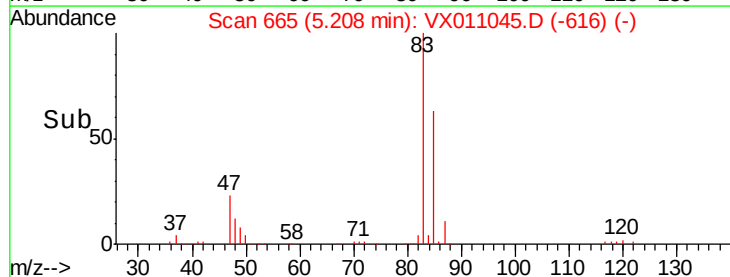
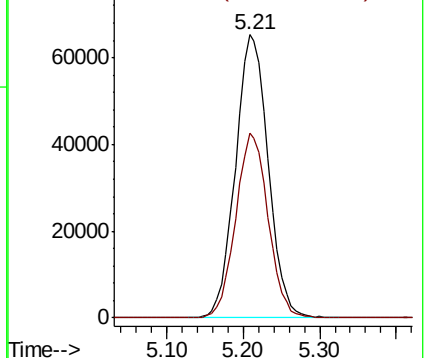
83 100

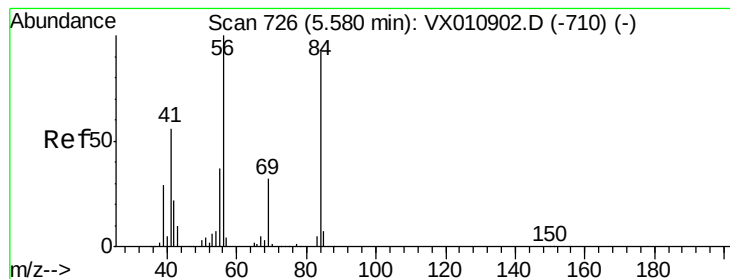
85 65.4 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.302 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

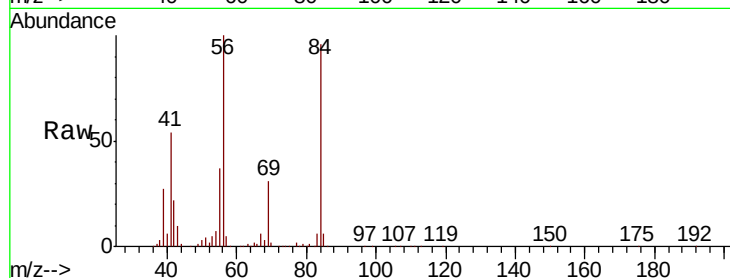
Tot Ion: 56 Resp: 157741

Ion Ratio Lower Upper

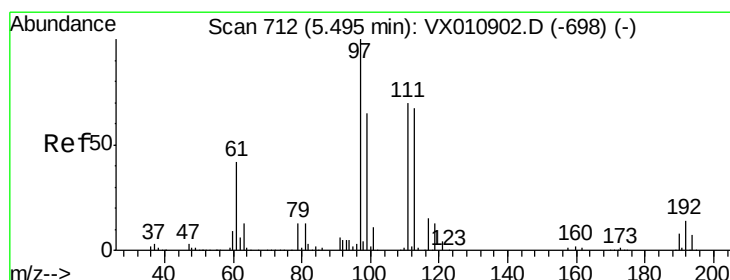
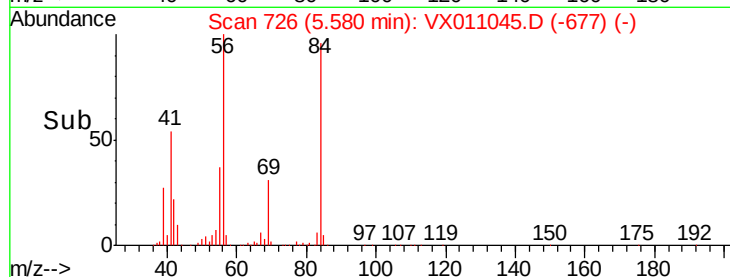
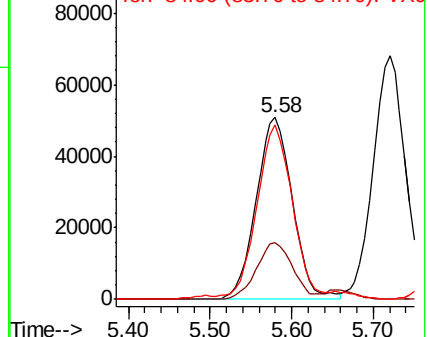
56 100

69 31.2 25.8 38.8

84 94.6 73.8 110.6



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: 51.579 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

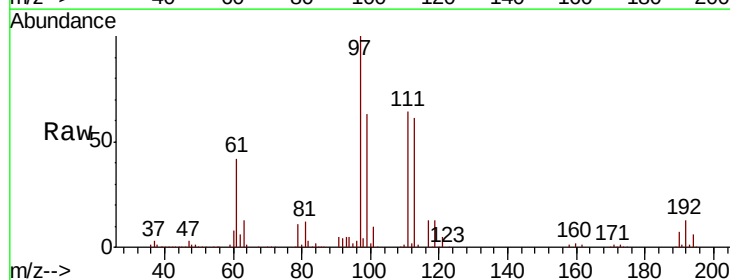
Tgt Ion: 97 Resp: 172814

Ion Ratio Lower Upper

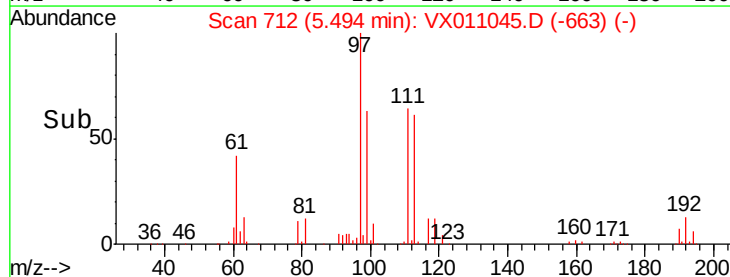
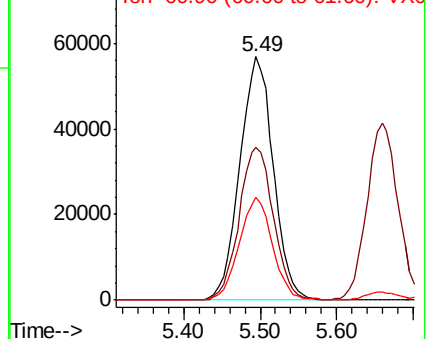
97 100

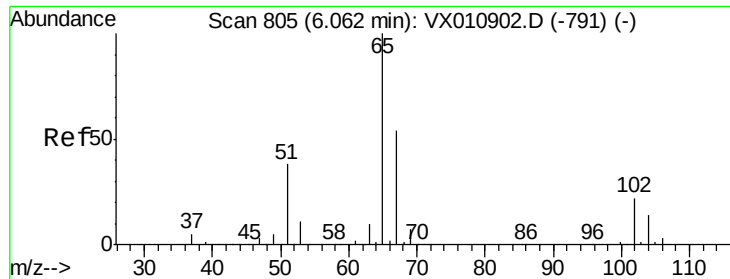
99 64.2 51.4 77.0

61 41.9 33.0 49.6



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

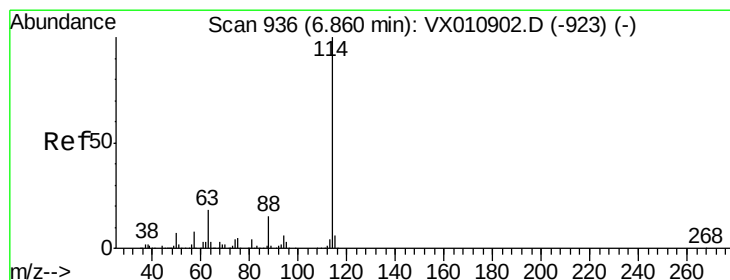
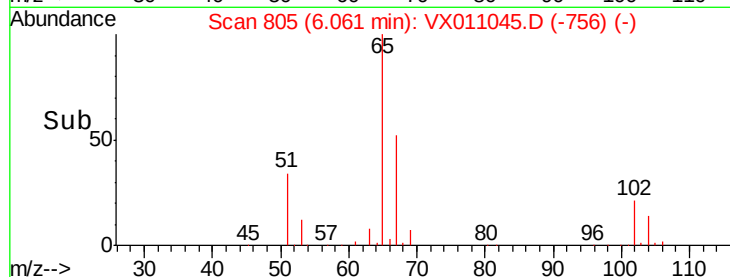
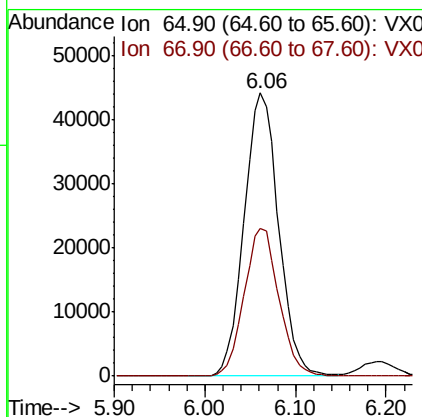
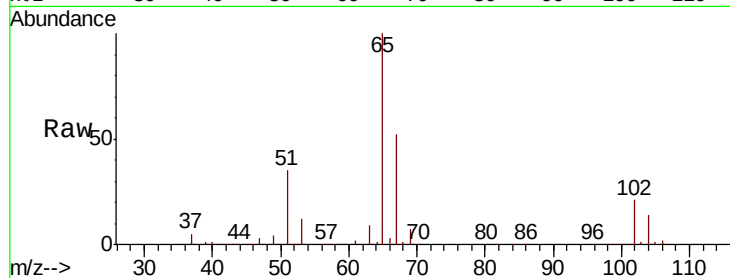




#33
 1,2-Dichloroethane-d4
 Concen: 48.434 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

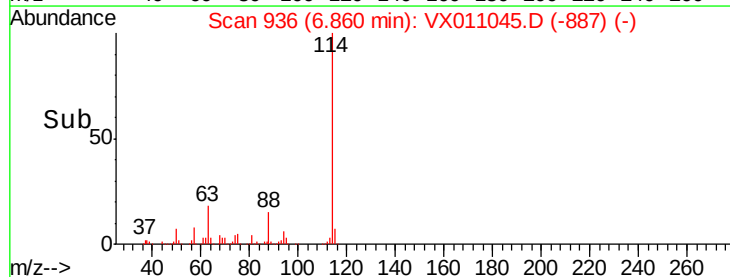
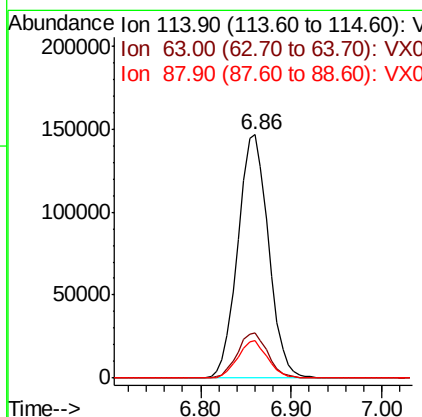
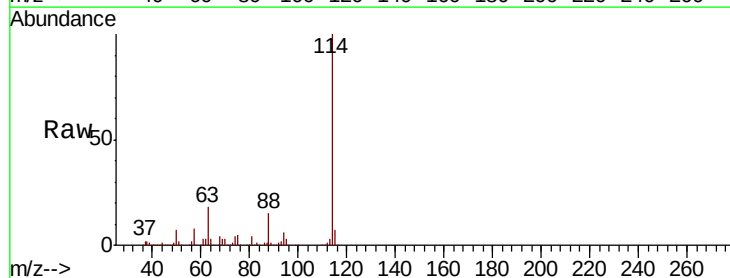
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

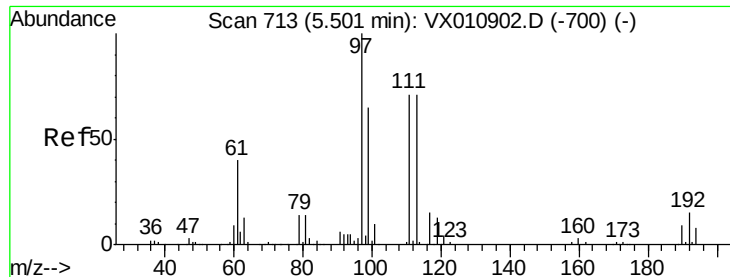
Tot Ion: 65 Resp: 116494
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 114 Resp: 343987
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 15.2 0.0 29.8

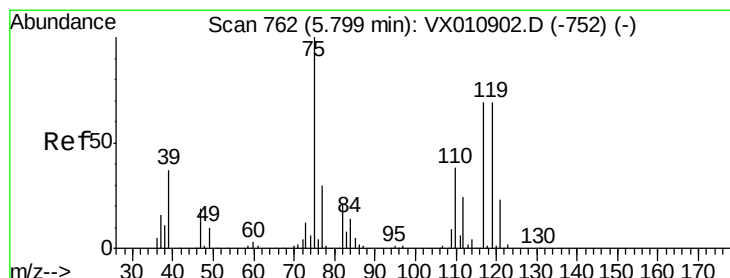
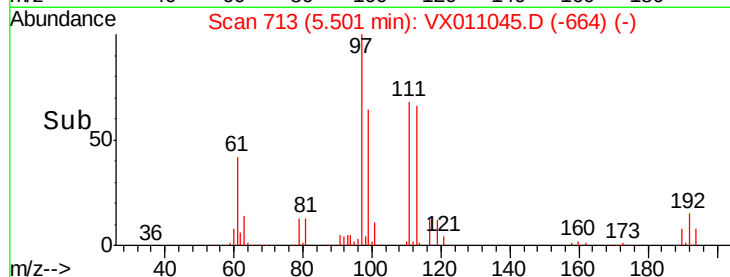
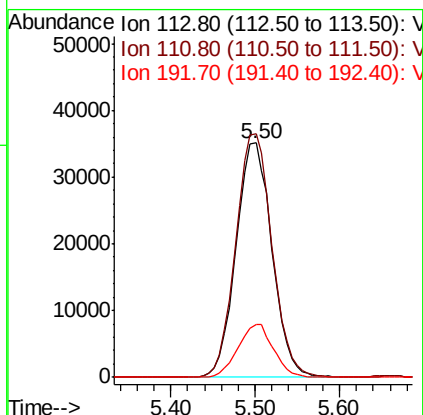
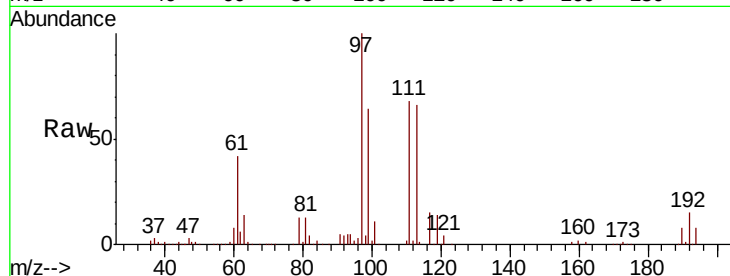




#35
 Dibromofluoromethane
 Concen: 46.473 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

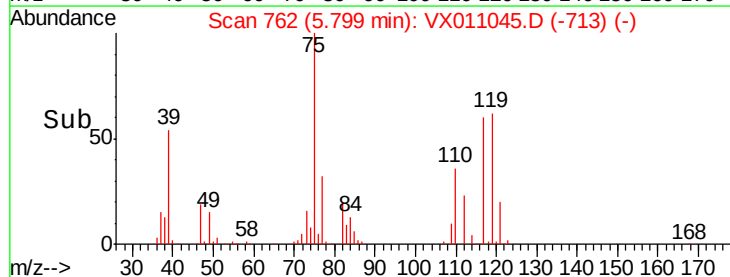
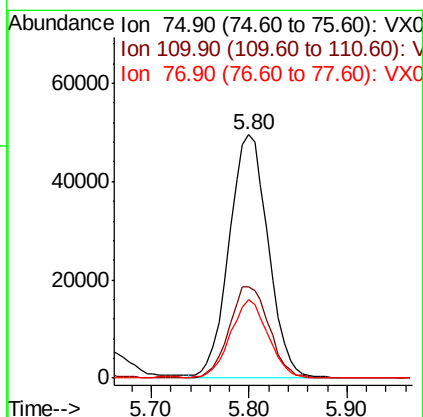
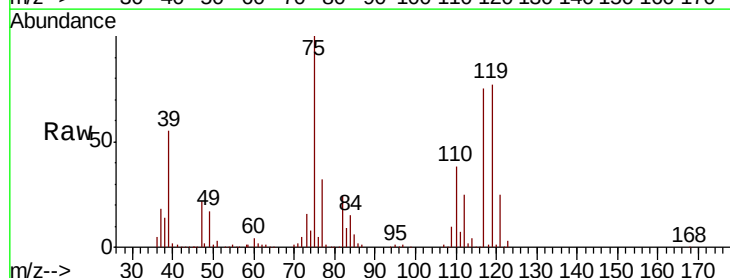
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

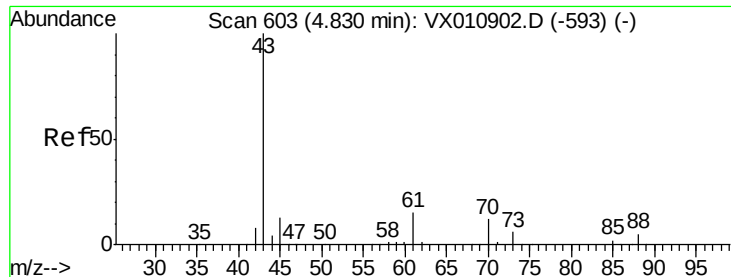
Tot Ion:113 Resp: 101468
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.3 123.5
 192 22.2 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 48.242 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 75 Resp: 136309
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.9 59.7
 77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 50.468 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

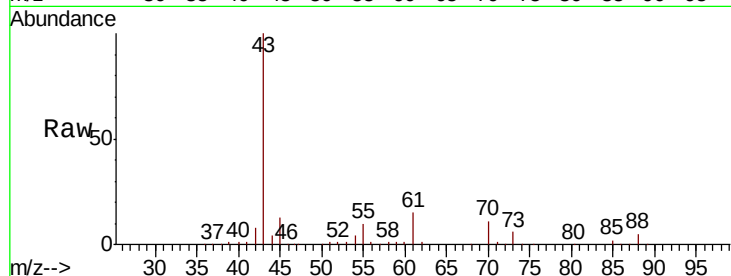
Tot Ion: 43 Resp: 146017

Ion Ratio Lower Upper

43 100

61 14.7 11.6 17.4

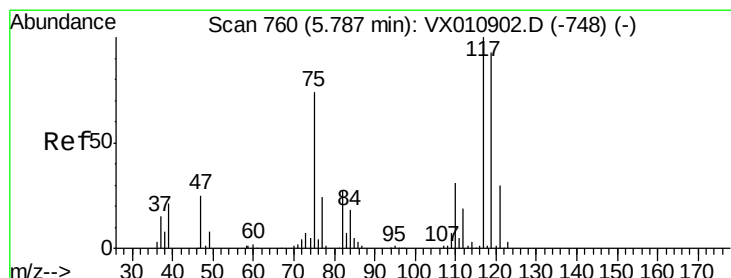
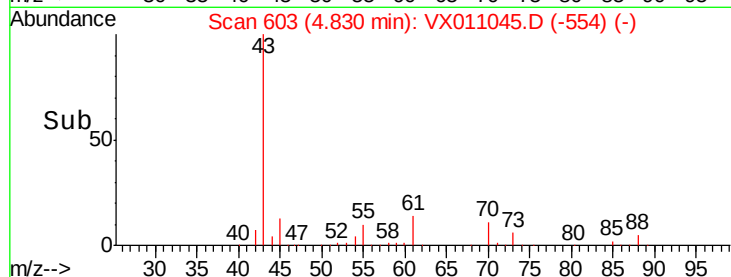
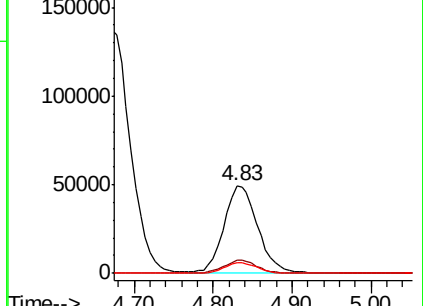
70 11.9 9.1 13.7



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: 50.685 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

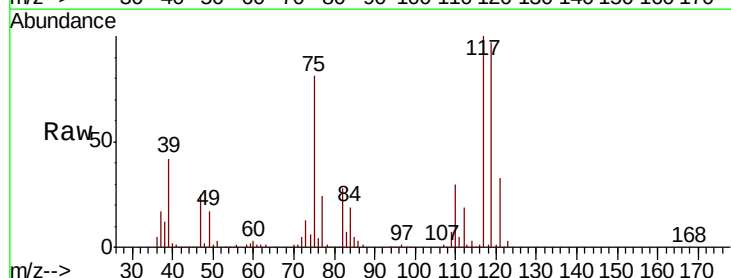
Tgt Ion: 117 Resp: 149233

Ion Ratio Lower Upper

117 100

119 96.8 74.2 111.2

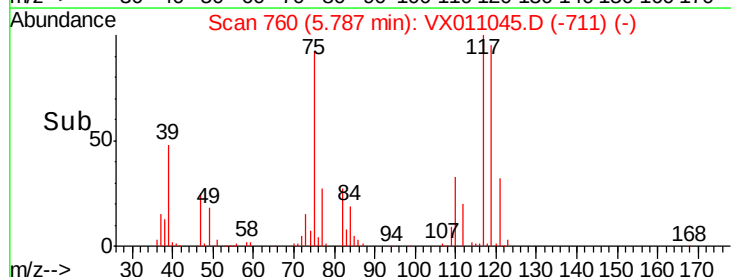
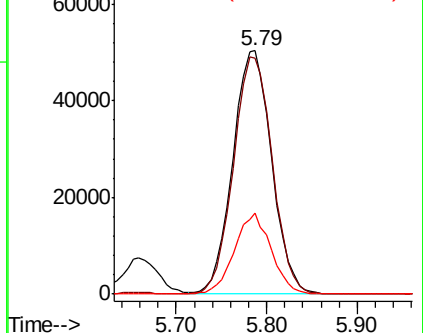
121 33.2 24.2 36.2

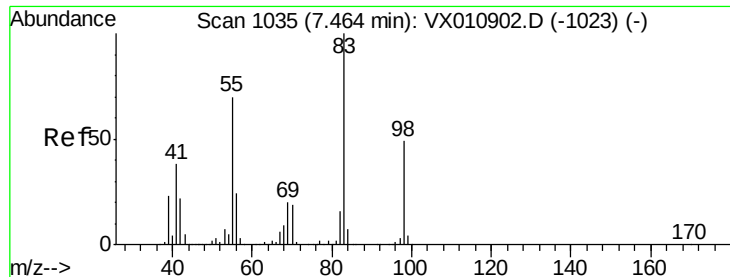


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

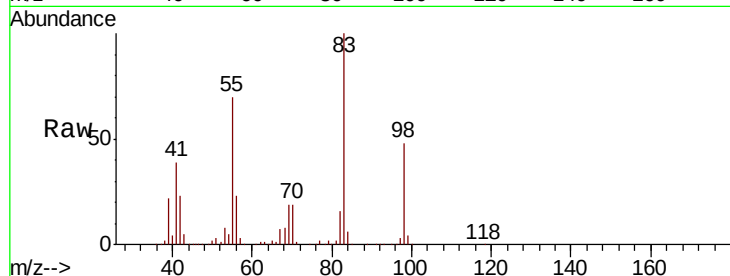




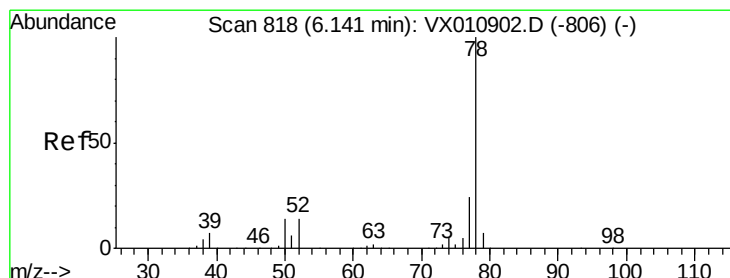
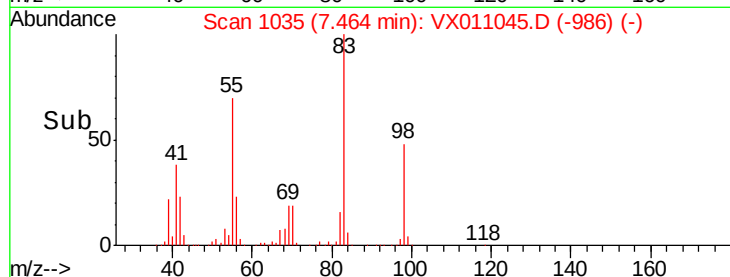
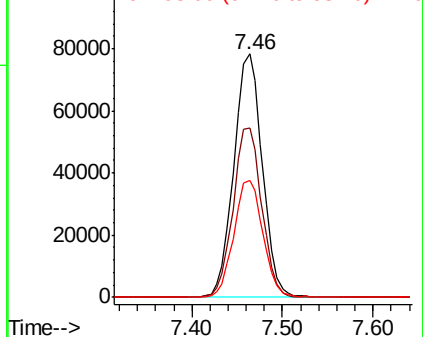
#39
Methylvlcyclohexane
Concen: 46.451 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 170204
Ion Ratio Lower Upper
83 100
55 69.8 56.2 84.4
98 47.8 39.0 58.4

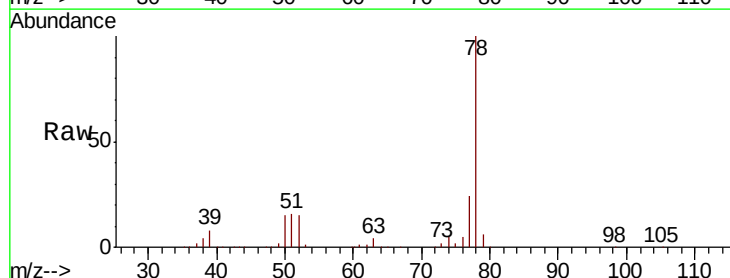


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

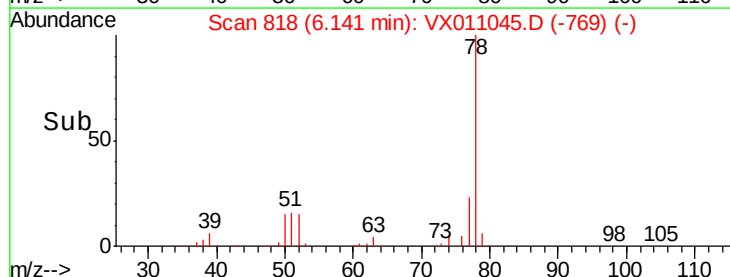
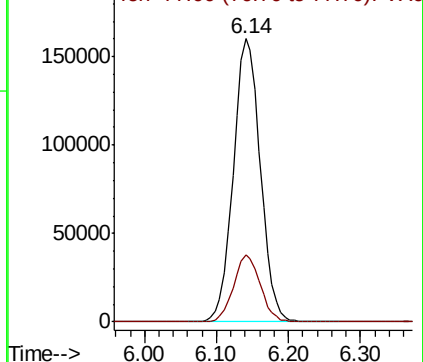


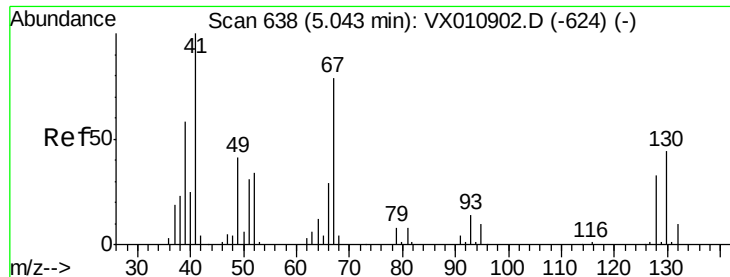
#40
Benzene
Concen: 48.137 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 78 Resp: 416640
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



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





#41

Methacrylonitrile

Concen: 48.131 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 79052

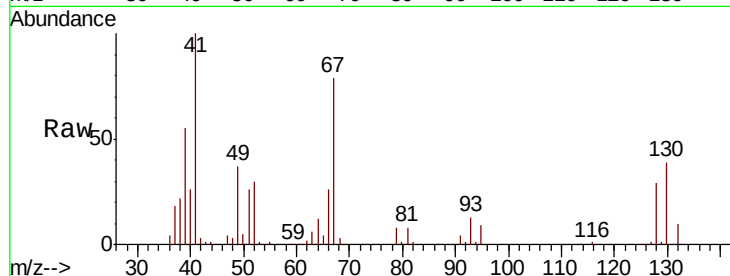
Ion Ratio Lower Upper

41 100

39 57.1 45.4 68.2

67 80.7 65.9 98.9

52 32.4 26.2 39.2

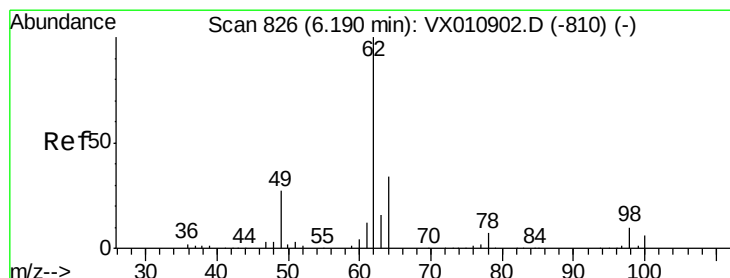
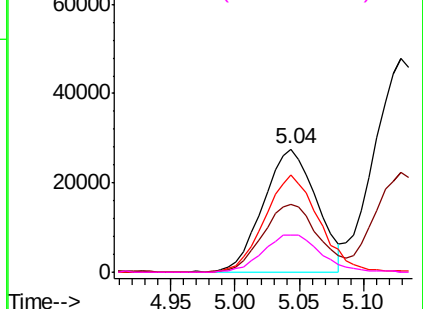
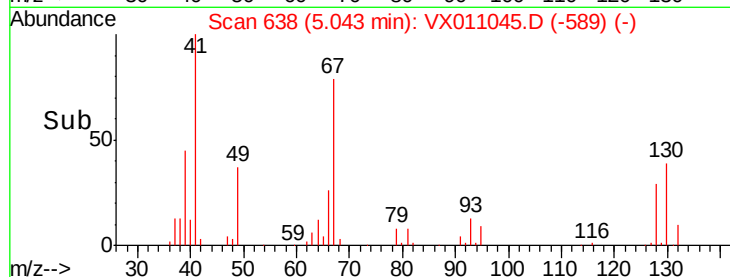


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.594 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX011045.D

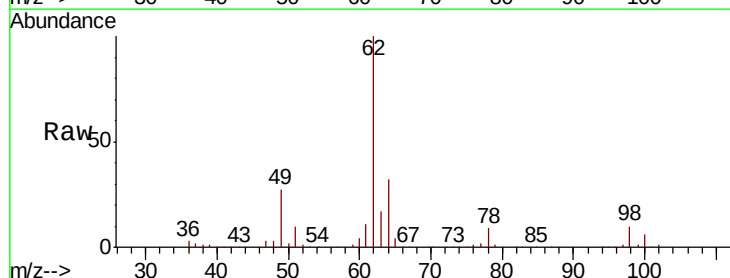
Acq: 22 Jul 2019 20:54

Tgt Ion: 62 Resp: 152258

Ion Ratio Lower Upper

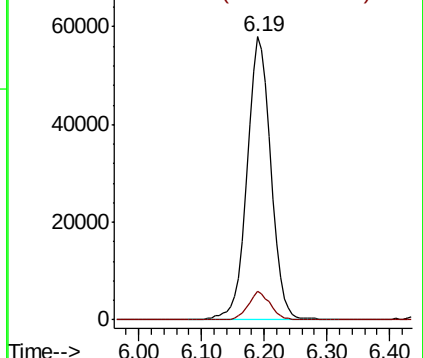
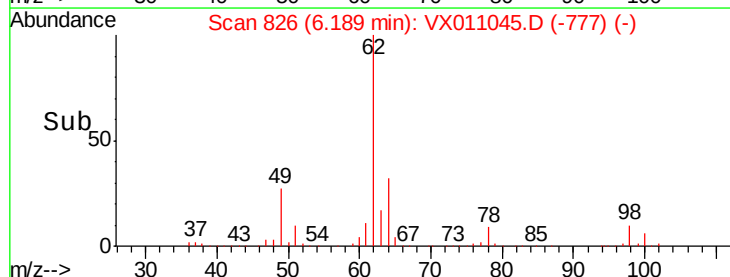
62 100

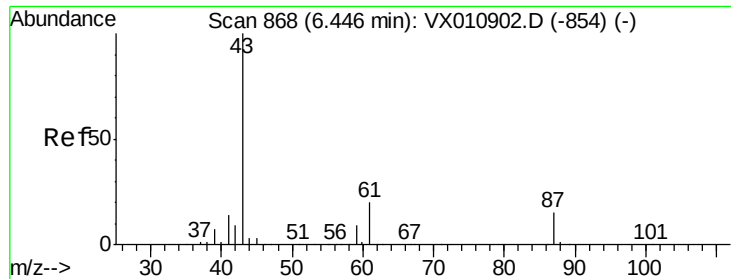
98 9.2 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.717 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

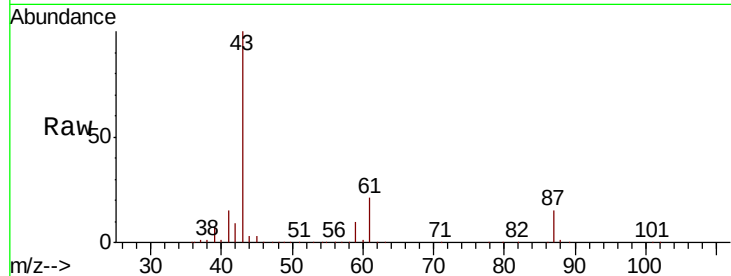
Tot Ion: 43 Resp: 241283

Ion Ratio Lower Upper

43 100

61 20.8 17.1 25.7

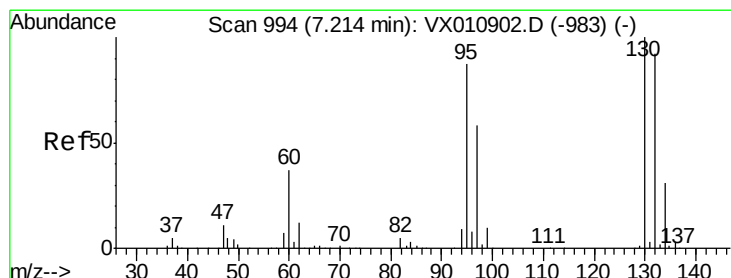
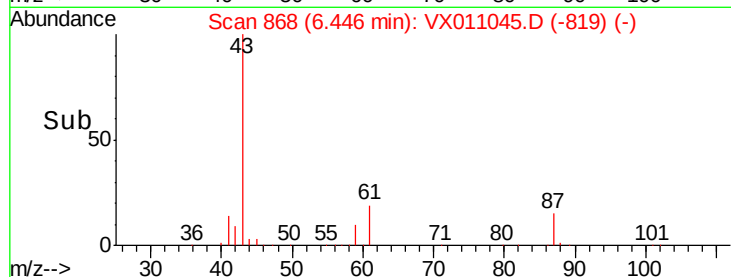
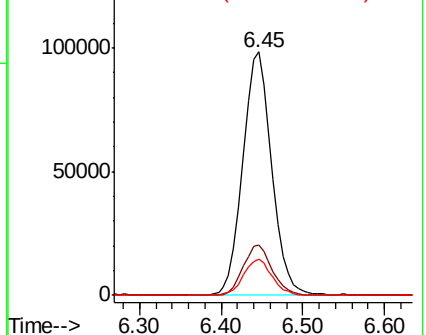
87 15.0 12.0 18.0



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: 47.733 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011045.D

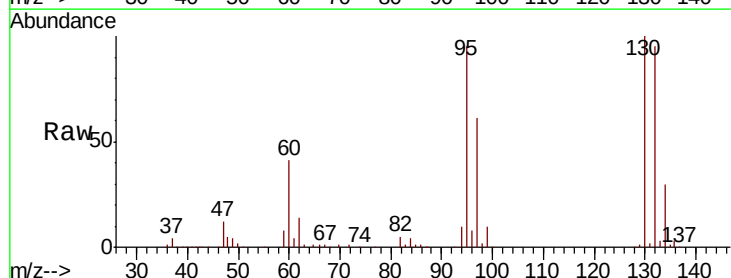
Acq: 22 Jul 2019 20:54

Tgt Ion:130 Resp: 122292

Ion Ratio Lower Upper

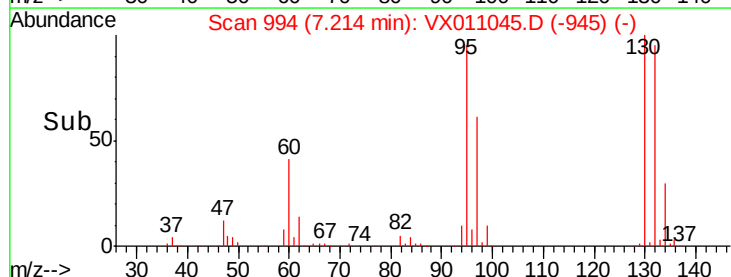
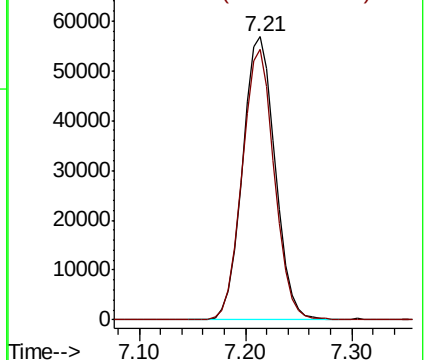
130 100

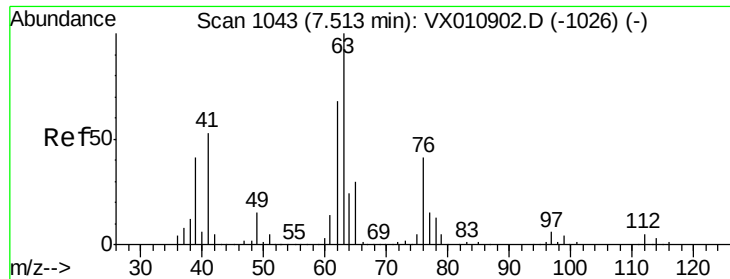
95 95.5 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

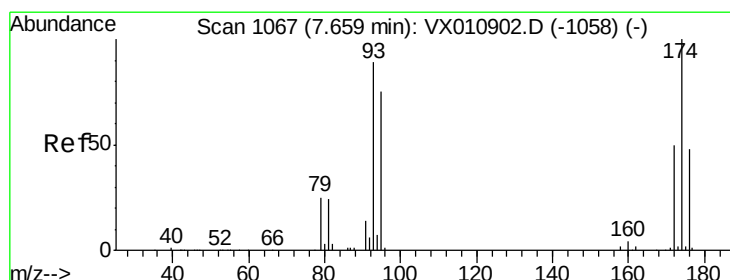
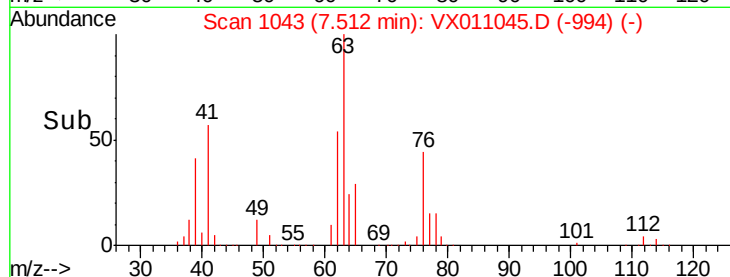
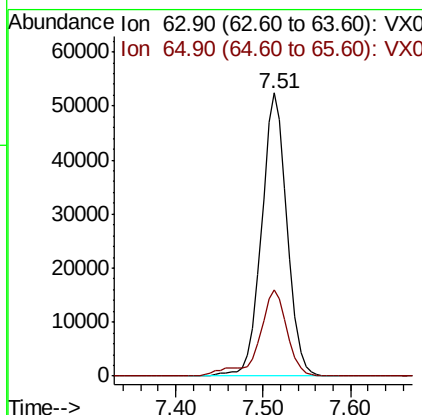
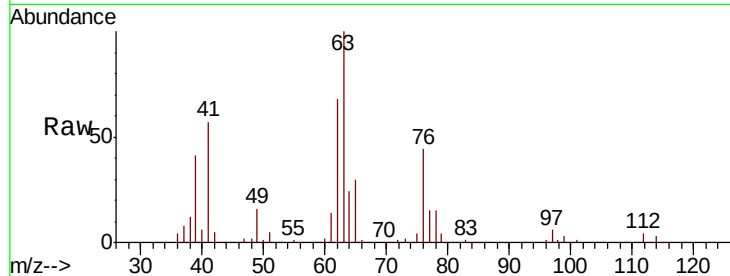




#45
 1,2-Dichloropropane
 Concen: 48.428 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

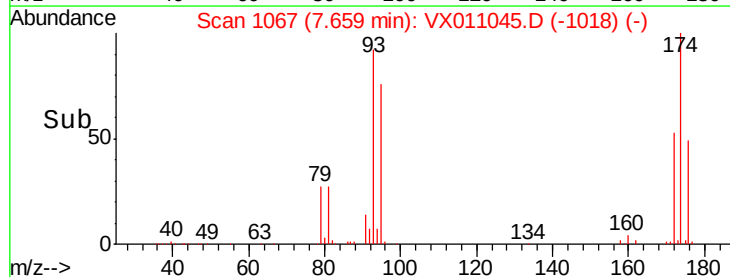
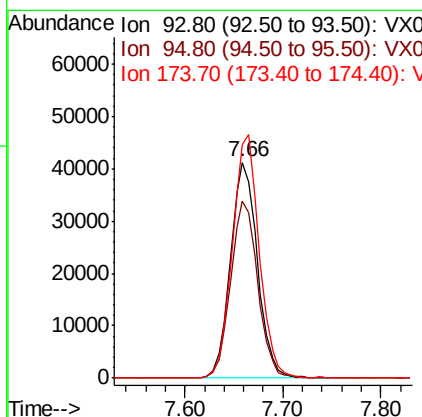
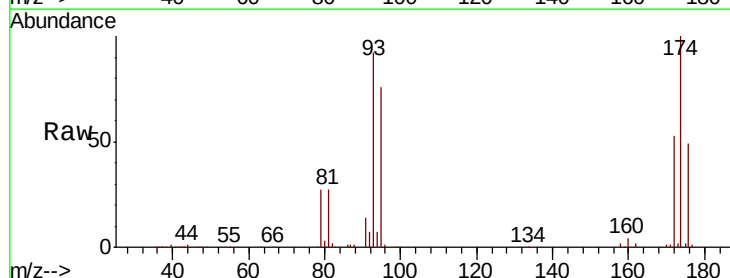
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

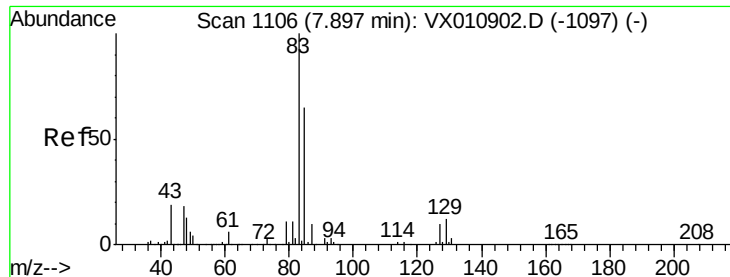
Tot Ion: 63 Resp: 106683
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 49.903 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 93 Resp: 78553
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 112.6 90.6 135.8





#47

Bromodichloromethane

Concen: 52.079 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

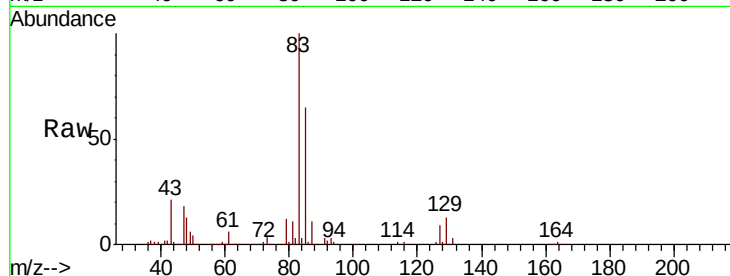
Tot Ion: 83 Resp: 145930

Ion Ratio Lower Upper

83 100

85 65.2 52.5 78.7

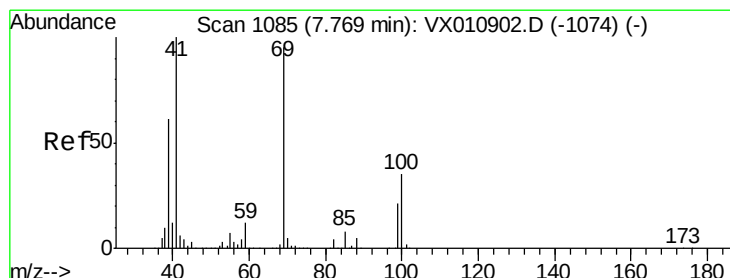
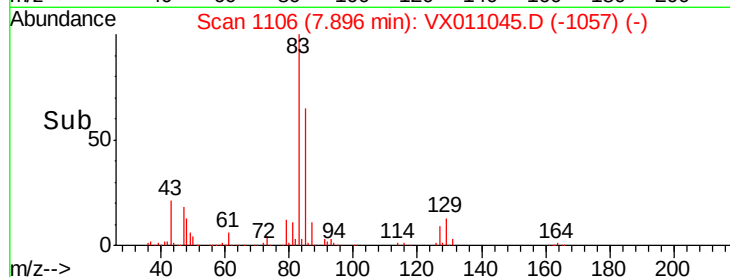
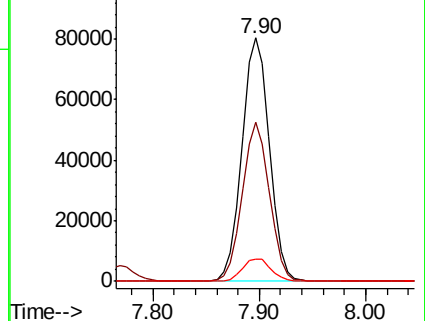
127 9.1 7.8 11.8



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: 50.585 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

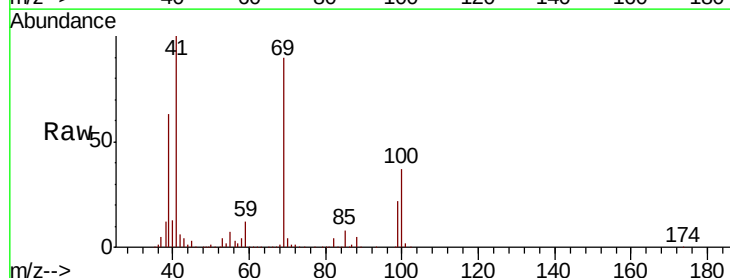
Tgt Ion: 41 Resp: 117234

Ion Ratio Lower Upper

41 100

69 91.1 74.4 111.6

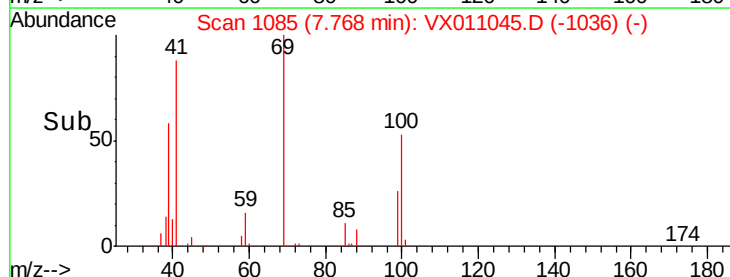
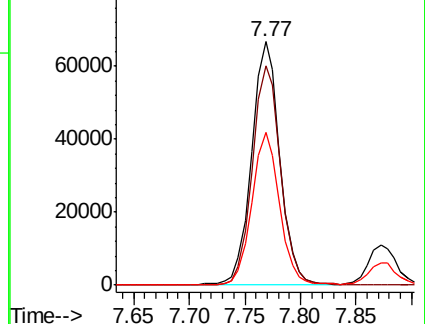
39 61.9 48.9 73.3

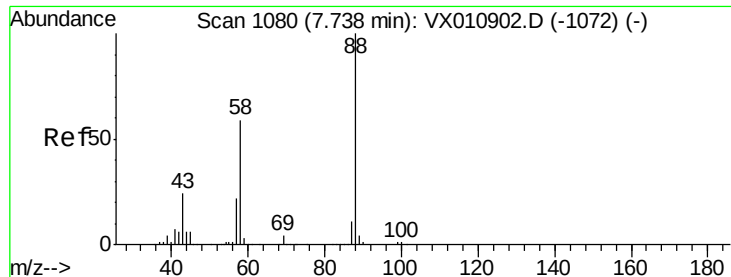


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

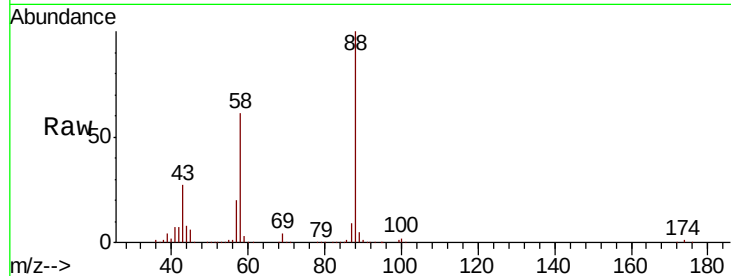




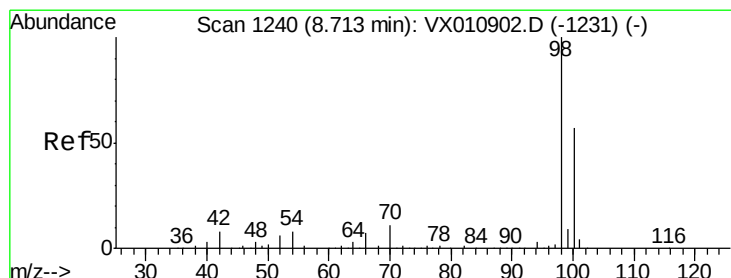
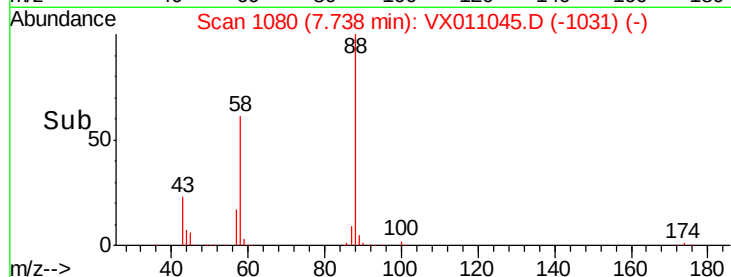
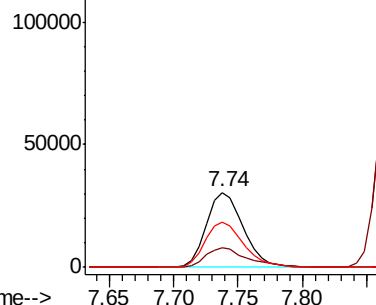
#49
1,4-Dioxane
Concen: 929.398 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 60251
Ion Ratio Lower Upper
88 100
43 29.5 22.9 34.3
58 63.8 49.8 74.8

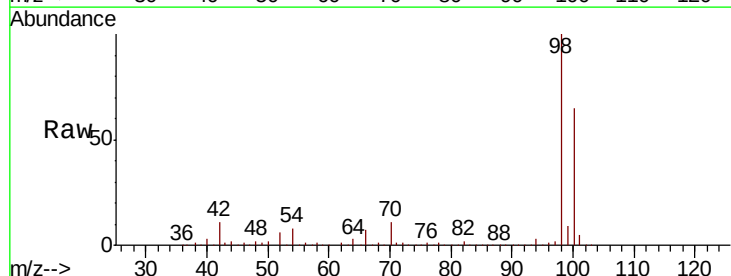


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

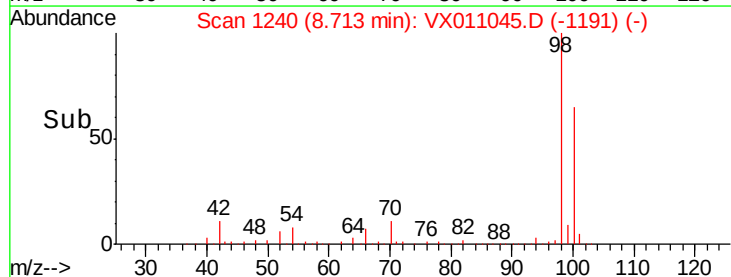
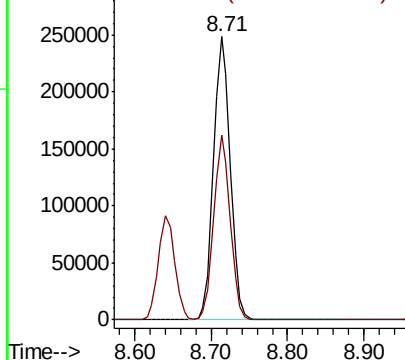


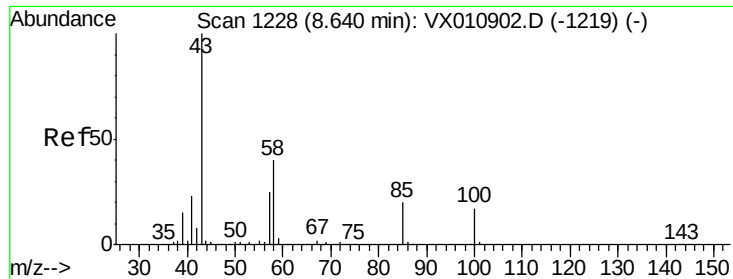
#50
Toluene-d8
Concen: 46.126 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 98 Resp: 377722
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8



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: 258.865 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

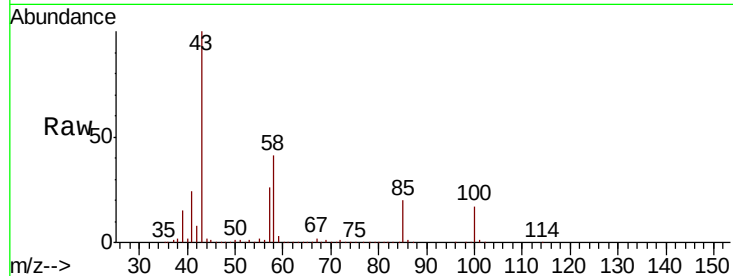
VSTDCCC050EC

Tot Ion: 43 Resp: 798323

Ion Ratio Lower Upper

43 100

58 40.6 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

500000

400000

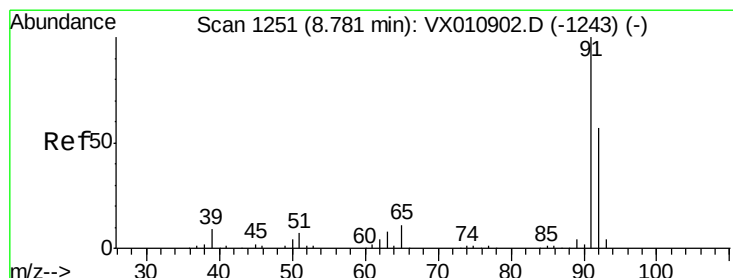
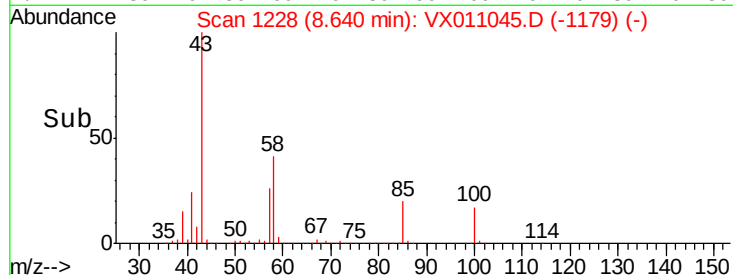
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.557 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011045.D

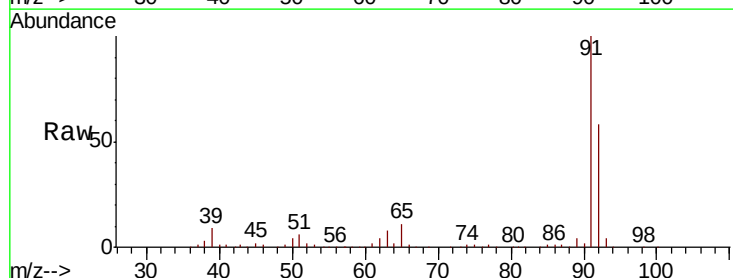
Acq: 22 Jul 2019 20:54

Tgt Ion: 92 Resp: 276091

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

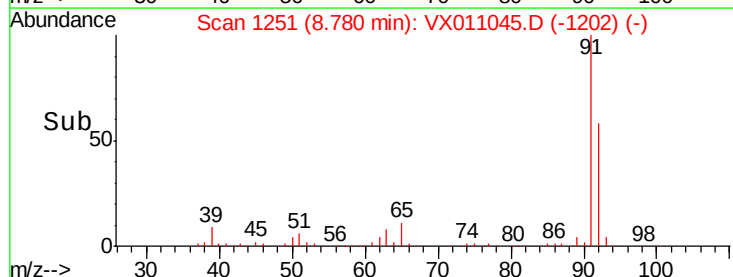
300000

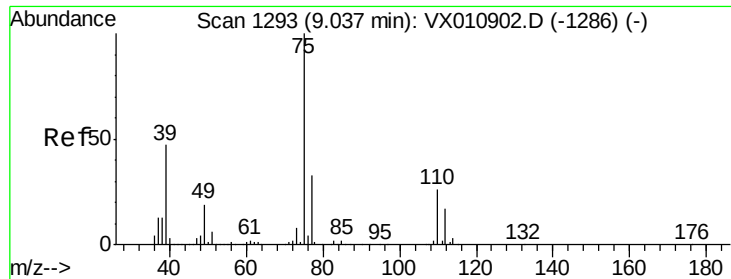
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.301 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

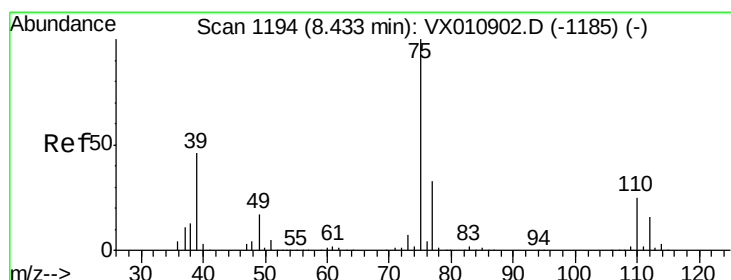
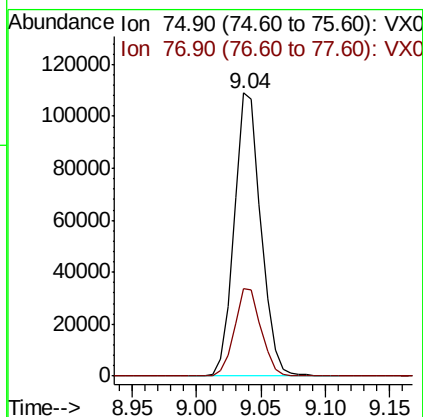
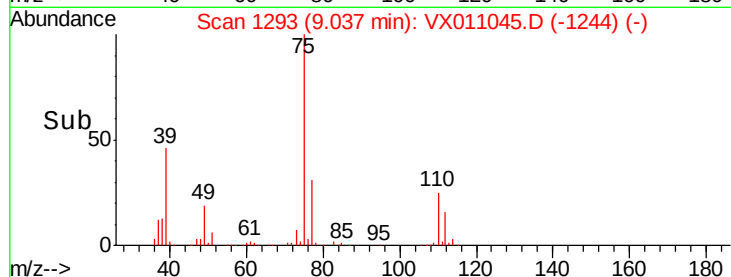
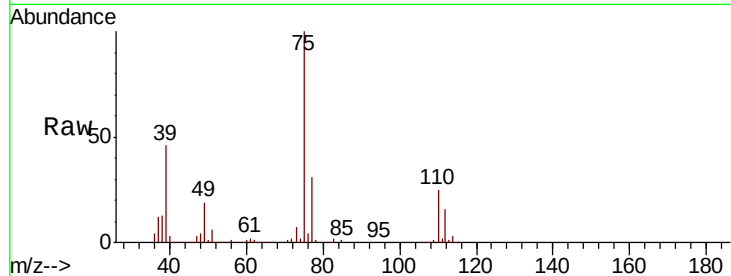
VSTDCCC050EC

Tot Ion: 75 Resp: 157580

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.444 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

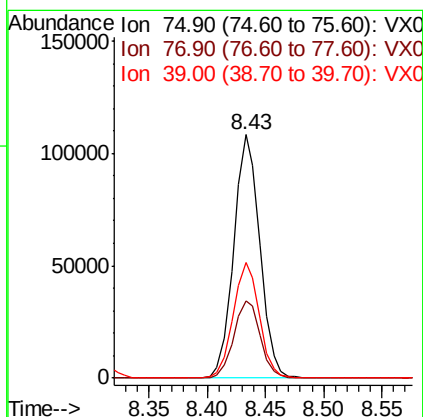
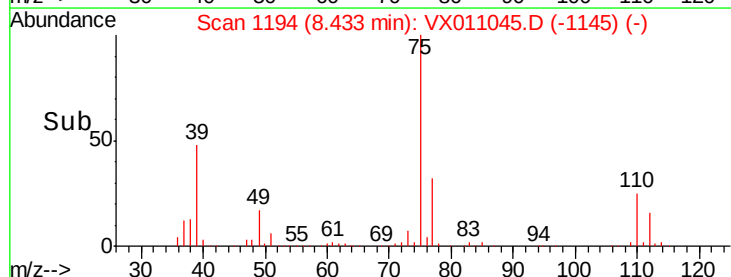
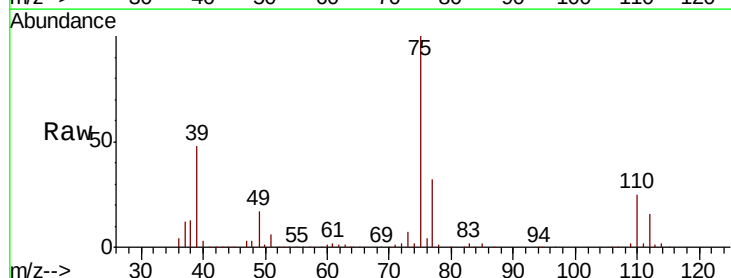
Tgt Ion: 75 Resp: 169120

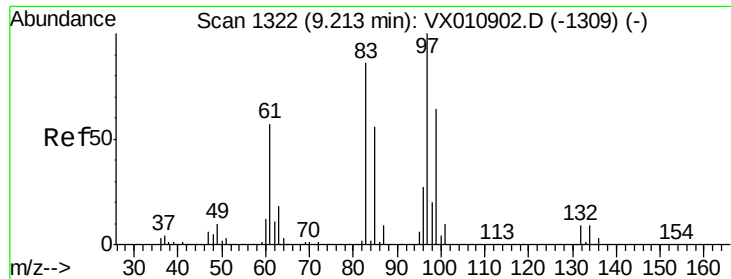
Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 47.5 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 49.407 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

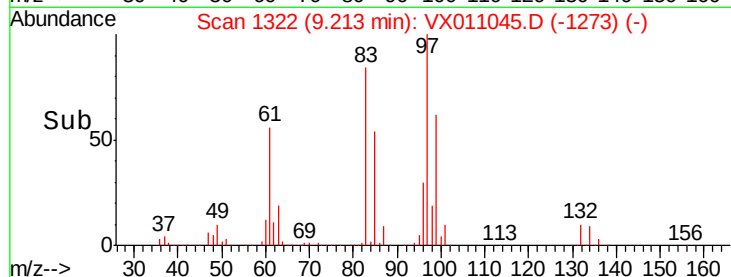
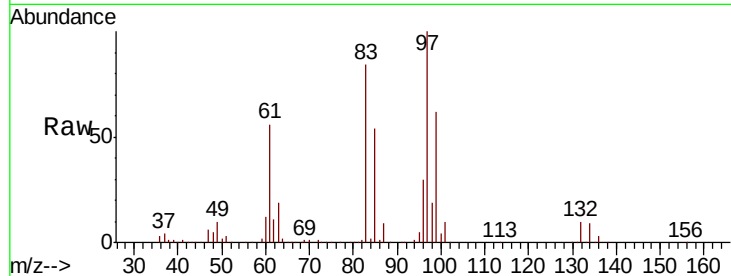
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 115668

Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	54.2	44.6	66.8
99	62.3	51.2	76.8

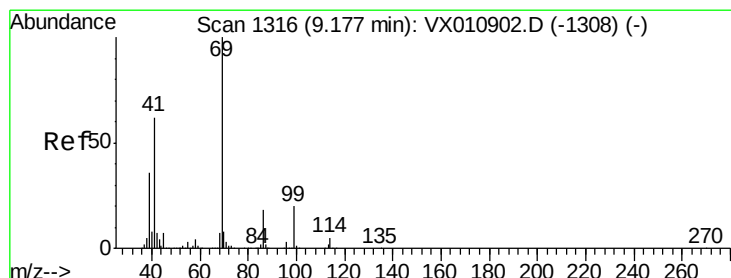


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.181 ug/l

RT: 9.18 min Scan# 1316

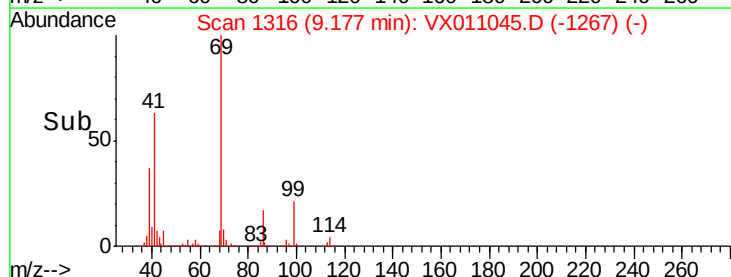
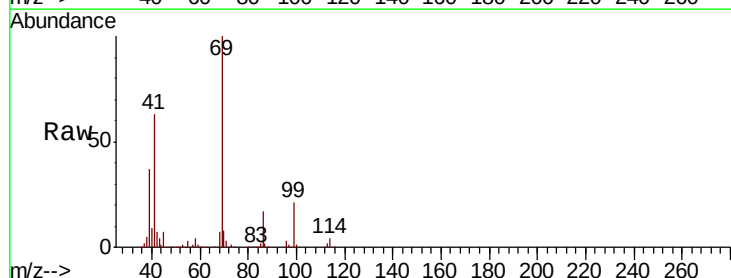
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion: 69 Resp: 182119

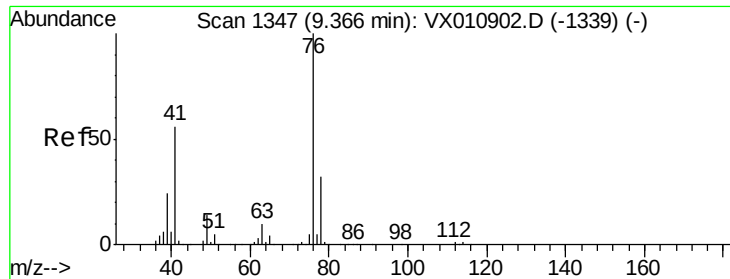
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	37.2	29.6	44.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

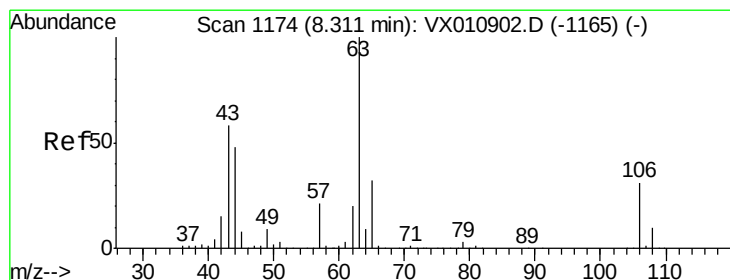
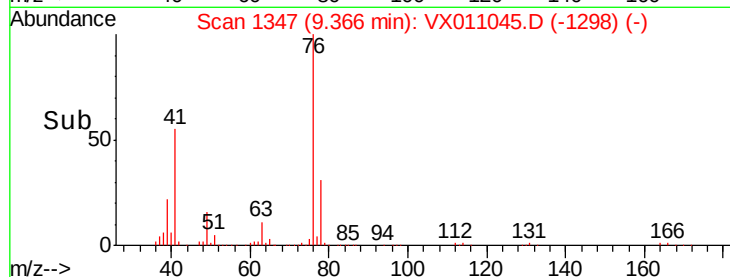
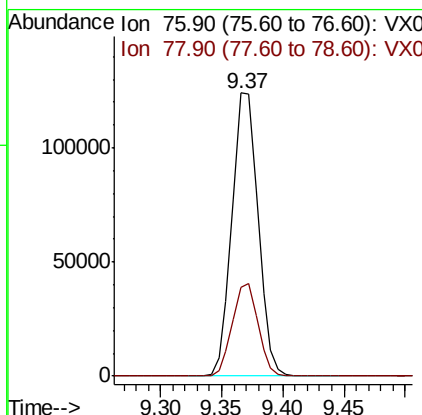
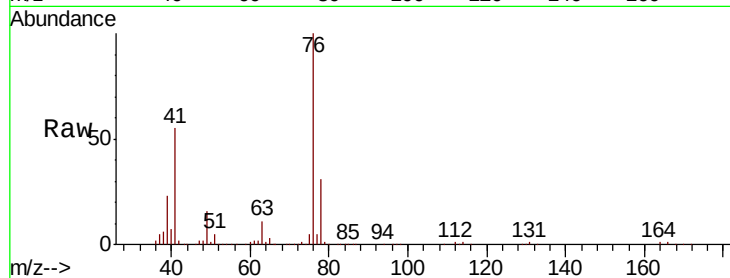
Ion 39.00 (38.70 to 39.70): VX0



#57
 1,3-Dichloropropane
 Concen: 49.409 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

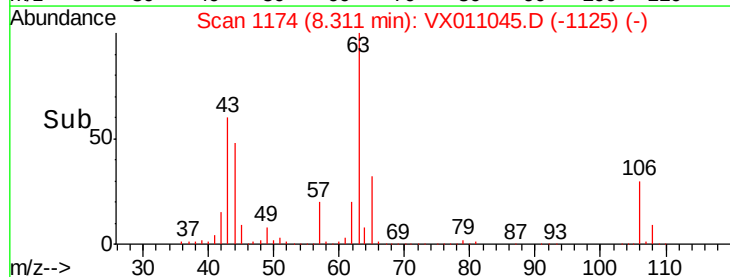
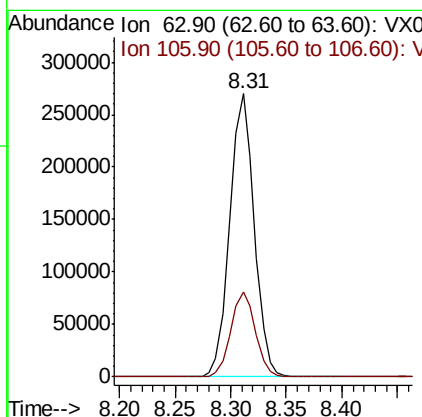
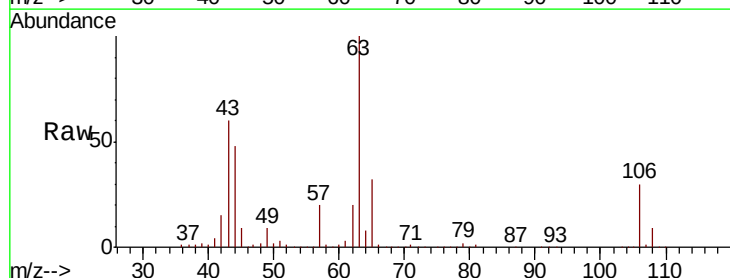
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

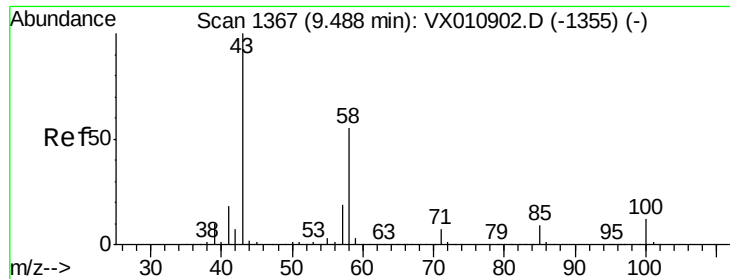
Tot Ion: 76 Resp: 183499
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.917 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 63 Resp: 410182
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.0 36.0

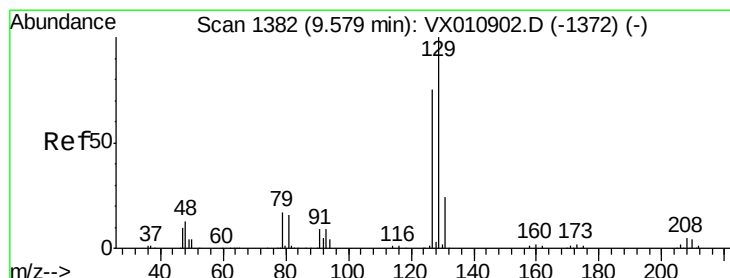
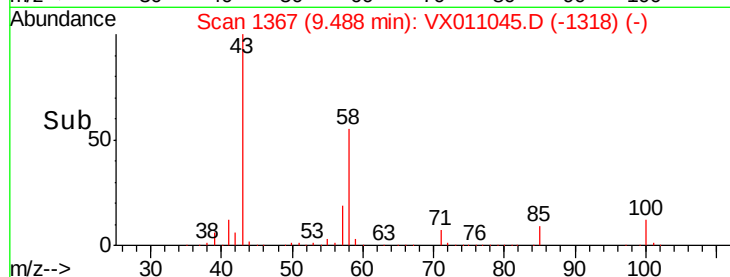
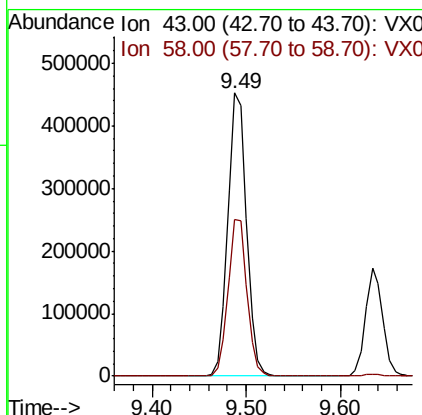
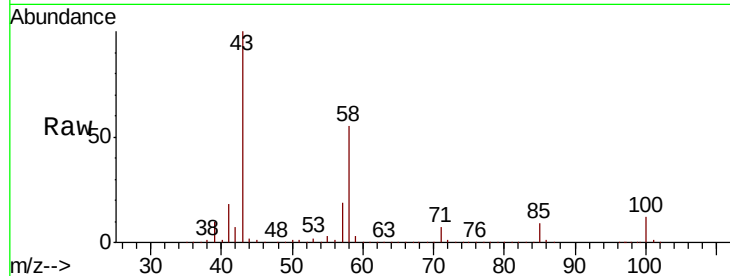




#59
 2-Hexanone
 Concen: 261.130 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

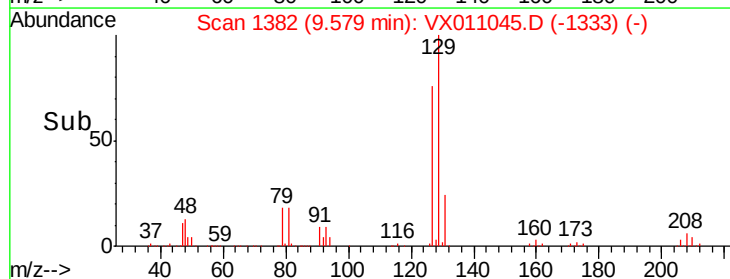
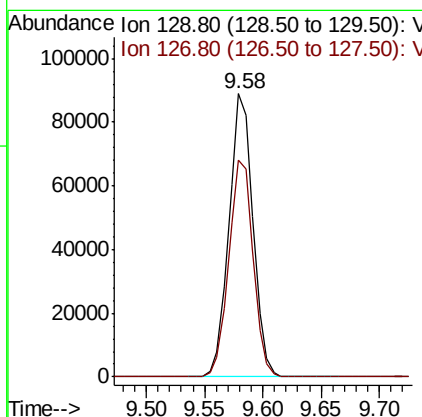
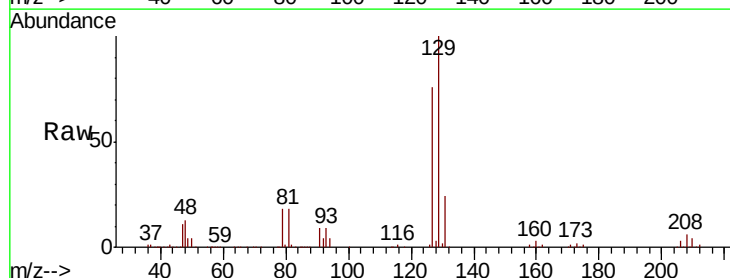
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

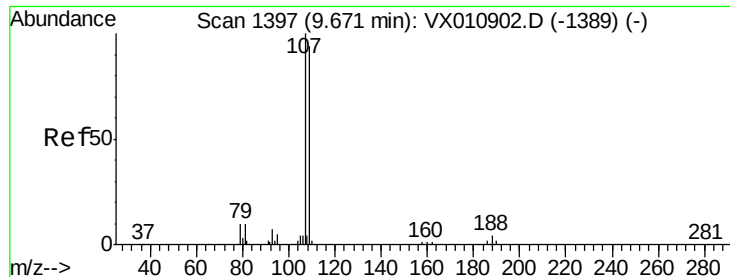
Tot Ion: 43 Resp: 624610
 Ion Ratio Lower Upper
 43 100
 58 56.0 28.0 83.9



#60
 Dibromochloromethane
 Concen: 47.340 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion:129 Resp: 127168
 Ion Ratio Lower Upper
 129 100
 127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.408 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

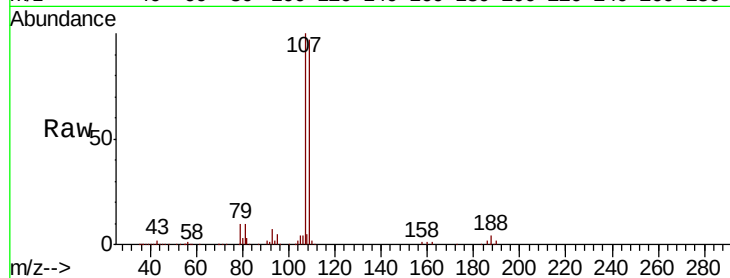
VSTDCCC050EC

Tot Ion:107 Resp: 125242

Ion Ratio Lower Upper

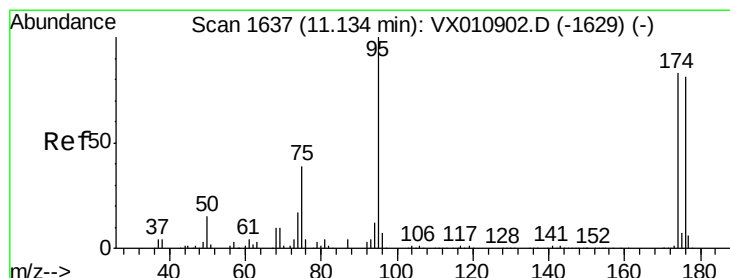
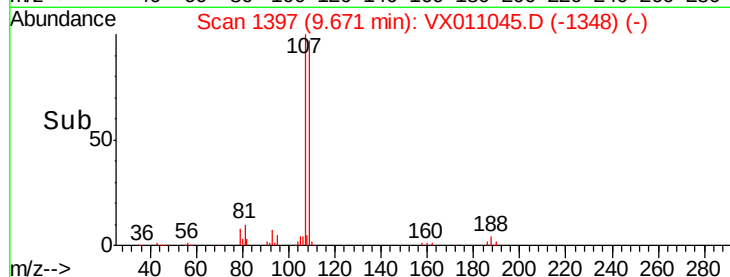
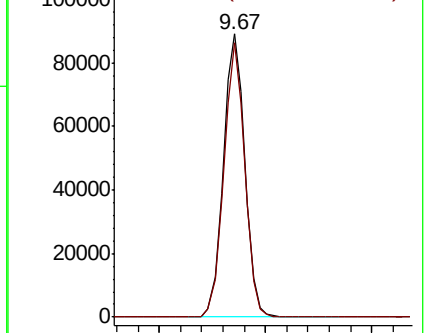
107 100

109 94.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

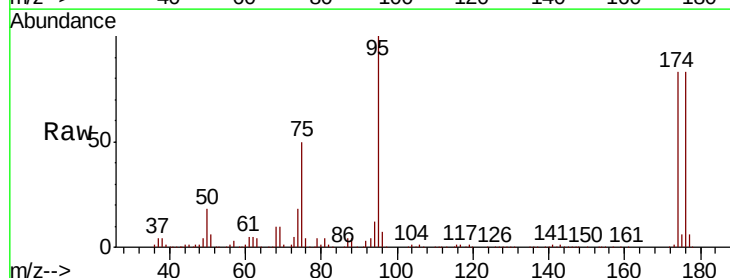
Tgt Ion: 95 Resp: 146332

Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.6

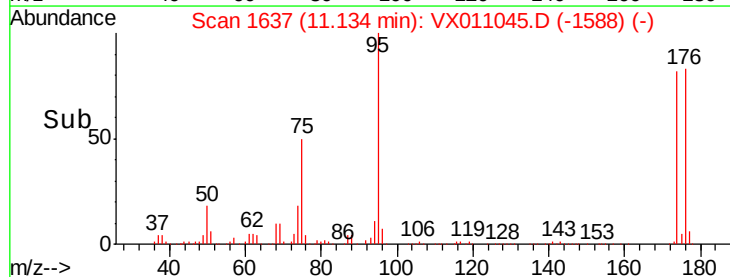
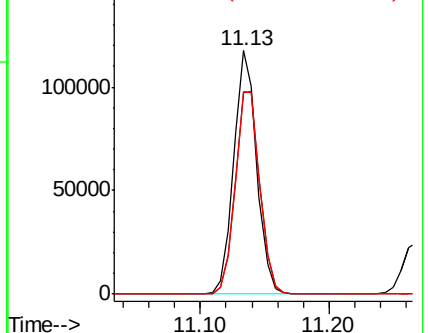
176 88.1 0.0 173.8

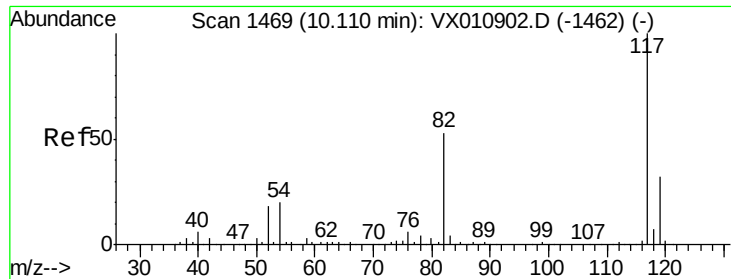


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

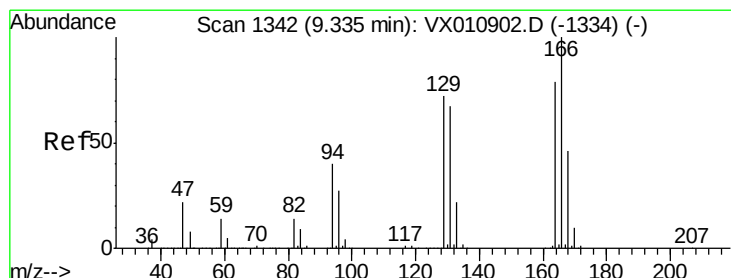
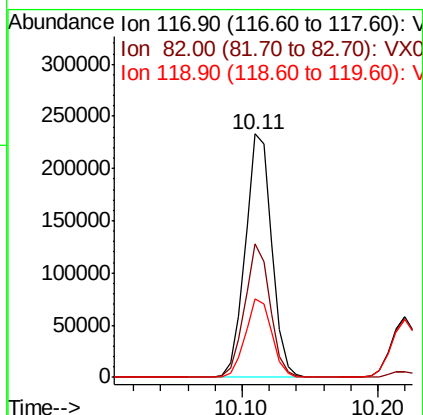
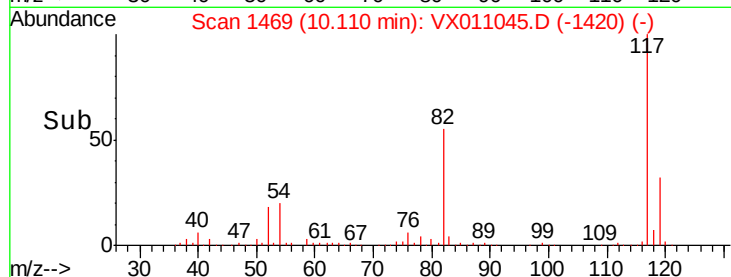
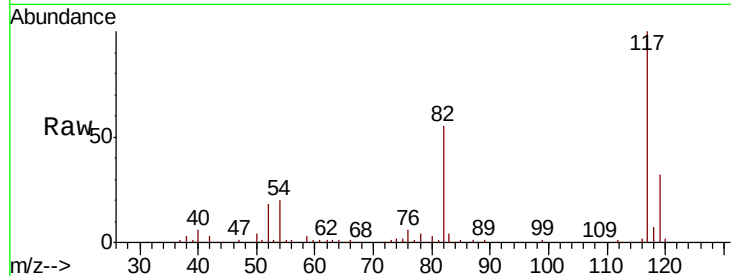




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

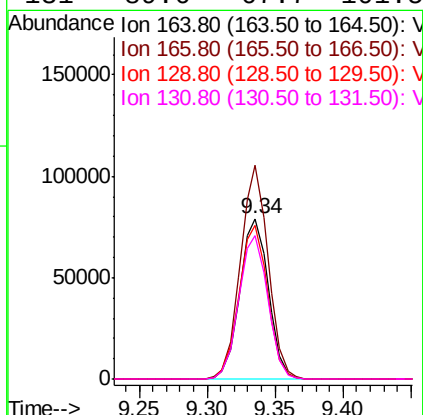
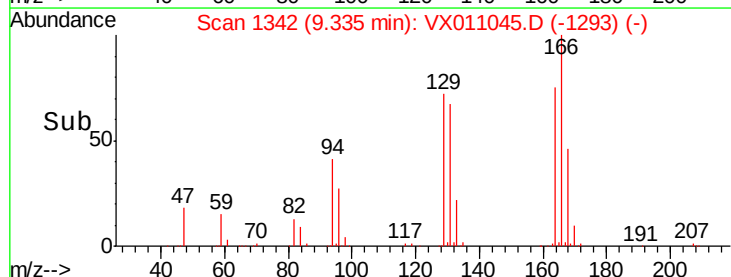
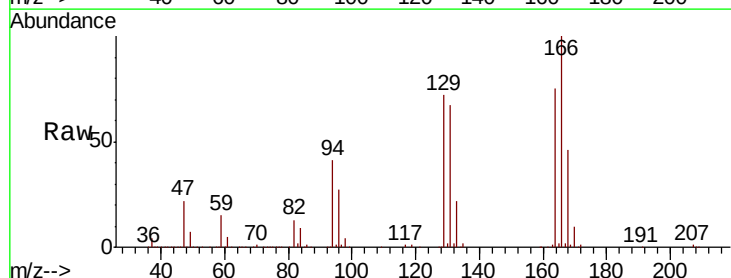
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

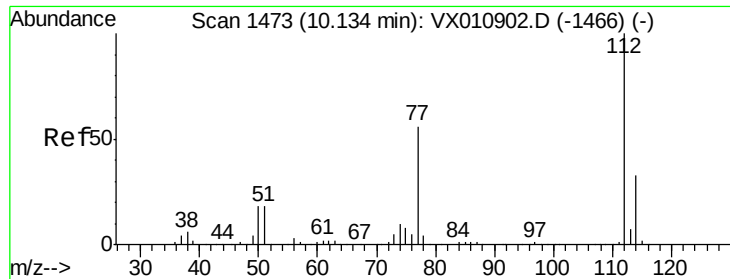
Tot Ion:117 Resp: 316508
Ion Ratio Lower Upper
117 100
82 54.8 42.6 63.8
119 32.3 25.9 38.9



#64
Tetrachloroethene
Concen: 46.619 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion:164 Resp: 116077
Ion Ratio Lower Upper
164 100
166 133.0 100.8 151.2
129 95.7 72.6 109.0
131 89.6 67.7 101.5

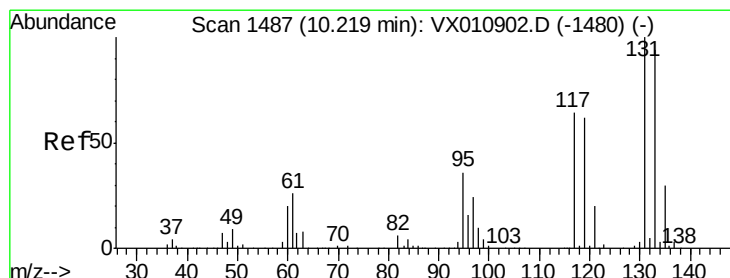
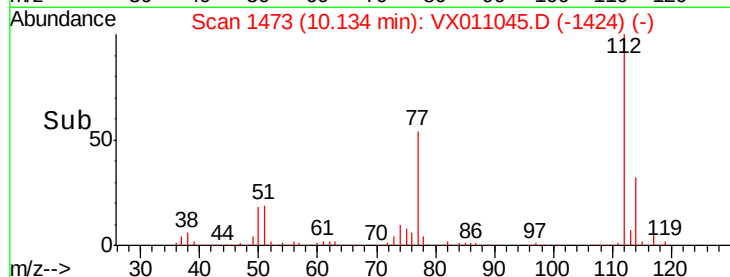
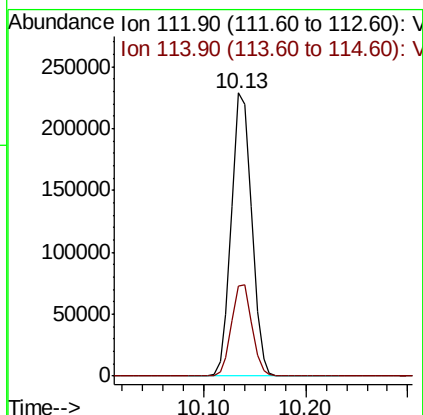
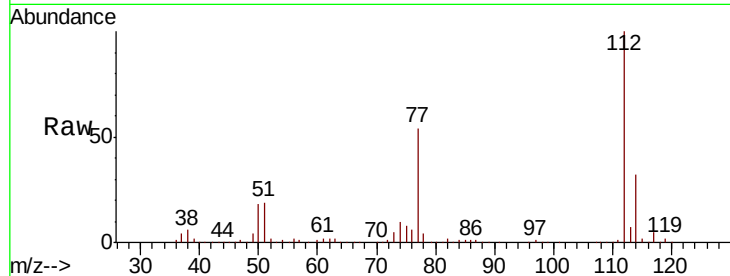




#65
Chlorobenzene
Concen: 48.363 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

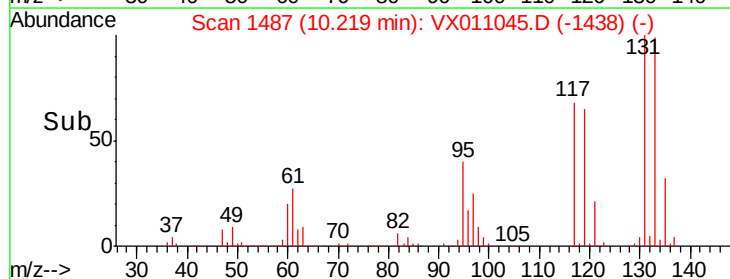
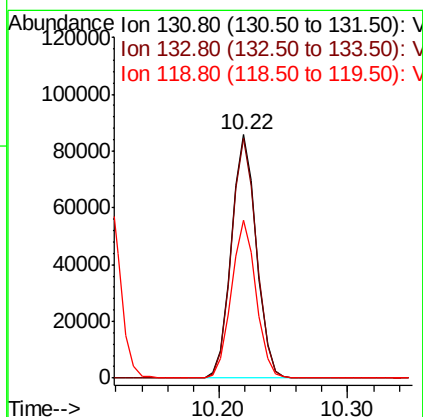
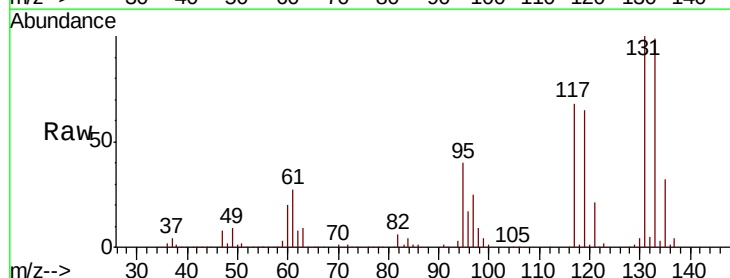
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

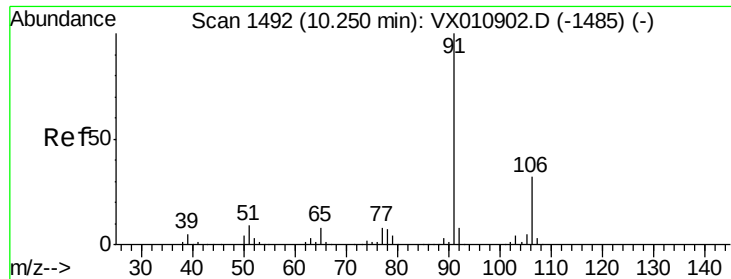
Tot Ion:112 Resp: 314397
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.906 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion:131 Resp: 116306
Ion Ratio Lower Upper
131 100
133 98.6 47.1 141.4
119 64.3 31.9 95.7





#67

Ethyl Benzene

Concen: 49.466 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

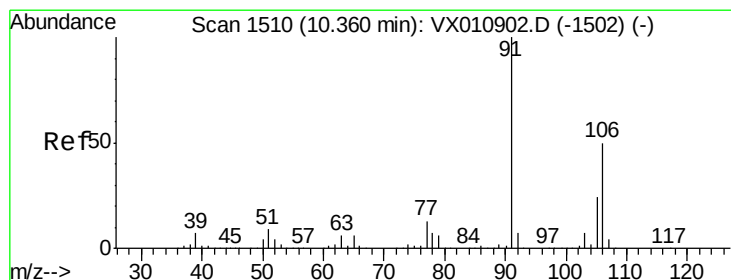
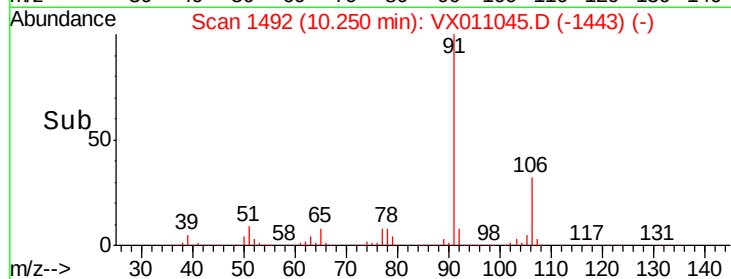
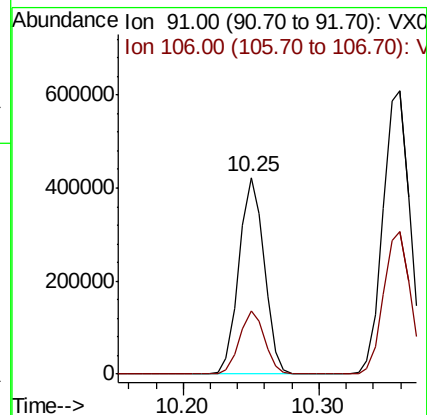
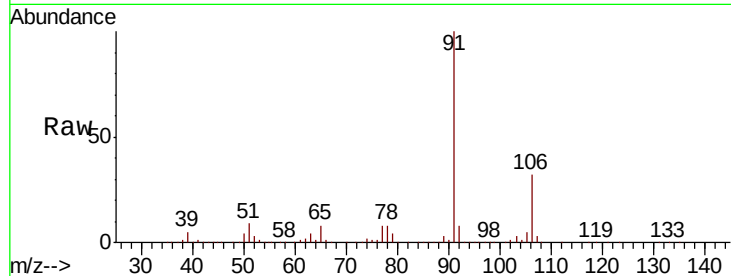
VSTDCCC050EC

Tot Ion: 91 Resp: 547349

Ion Ratio Lower Upper

91 100

106 32.3 25.4 38.2



#68

m/p-Xylenes

Concen: 98.523 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011045.D

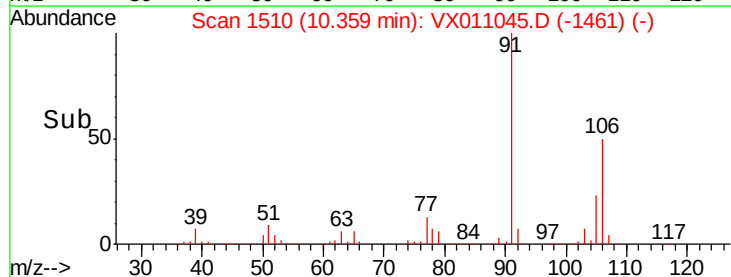
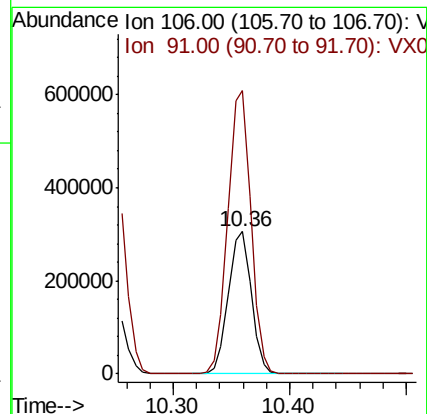
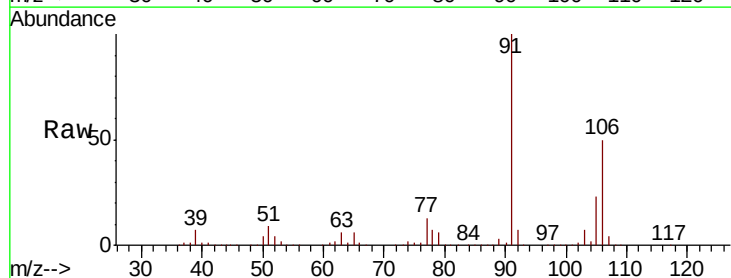
Acq: 22 Jul 2019 20:54

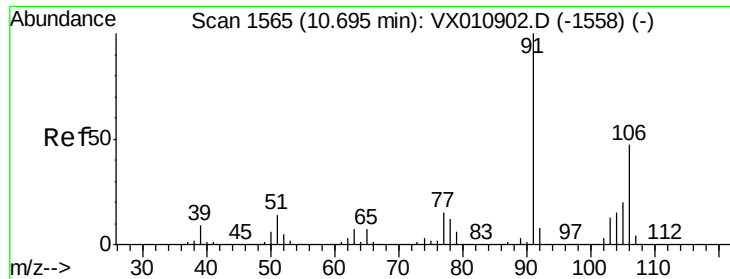
Tgt Ion: 106 Resp: 418181

Ion Ratio Lower Upper

106 100

91 199.9 160.1 240.1

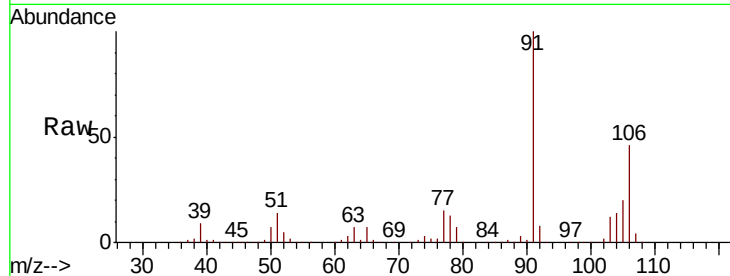




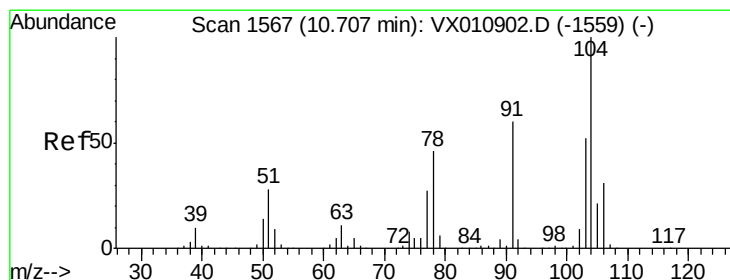
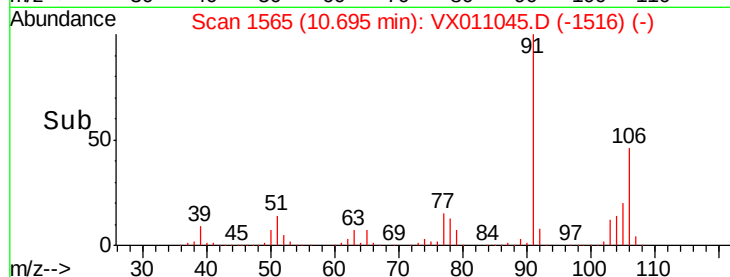
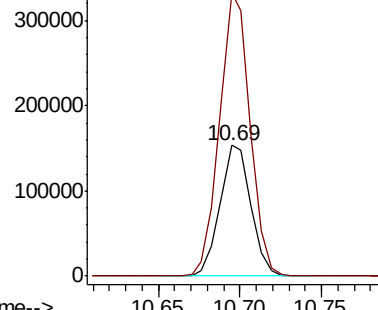
#69
o-Xylene
Concen: 49.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 203541
Ion Ratio Lower Upper
106 100
91 212.8 105.1 315.3

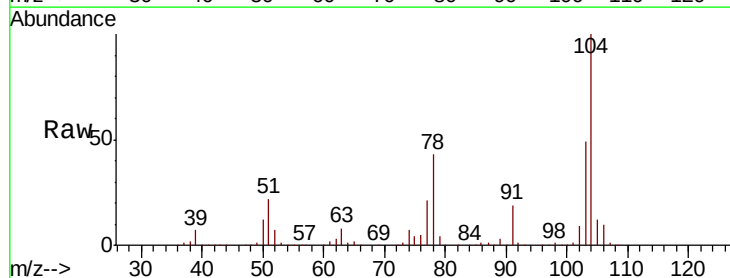


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

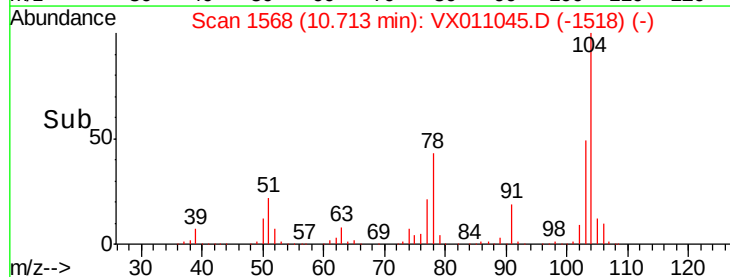
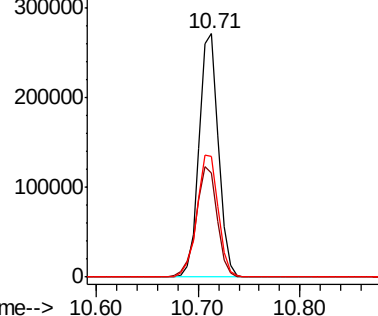


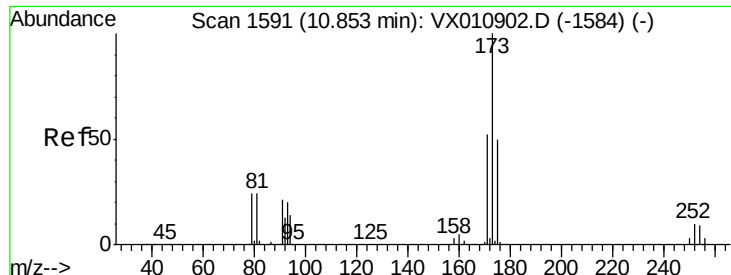
#70
Styrene
Concen: 51.200 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion:104 Resp: 353555
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
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: 47.878 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

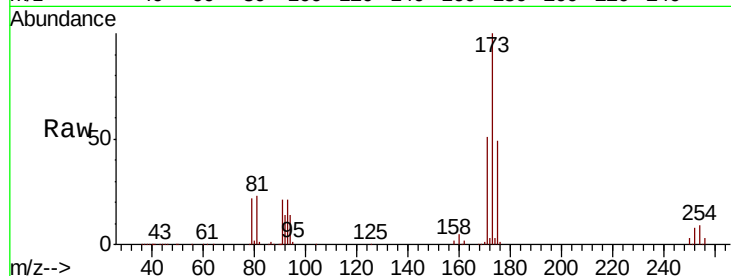
Tot Ion:173 Resp: 99362

Ion Ratio Lower Upper

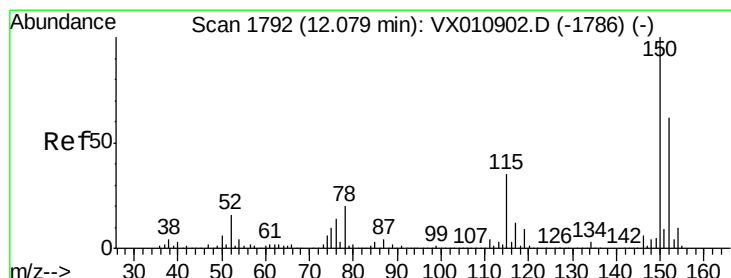
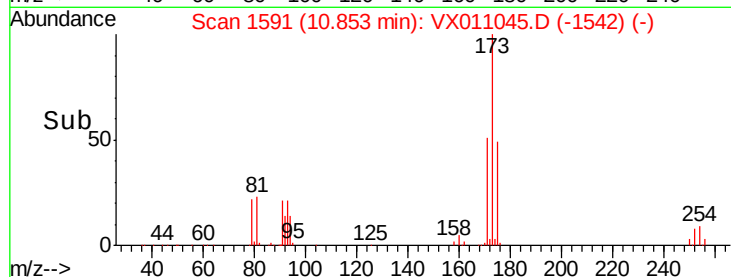
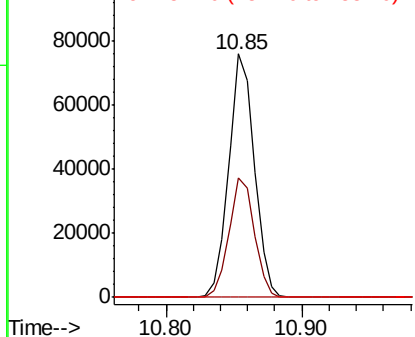
173 100

175 49.1 24.6 73.6

254 0.1 0.1 0.1#



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: VX011045.D

Acq: 22 Jul 2019 20:54

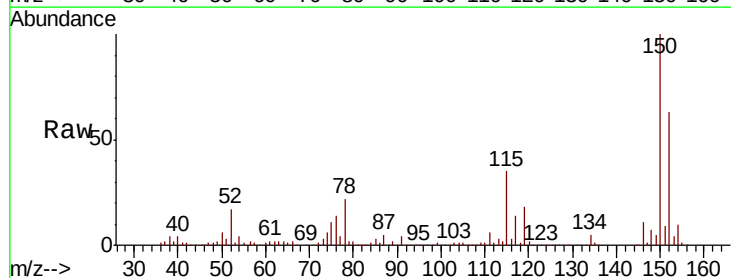
Tgt Ion:152 Resp: 168864

Ion Ratio Lower Upper

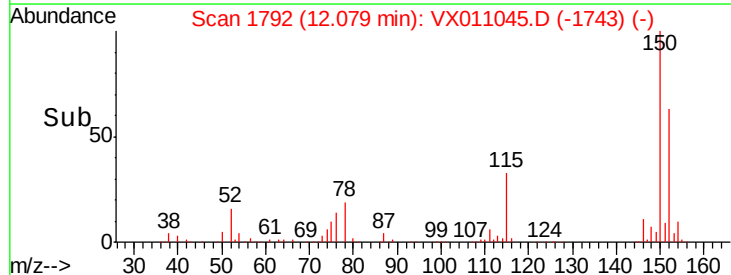
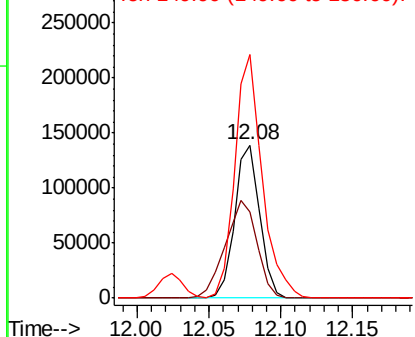
152 100

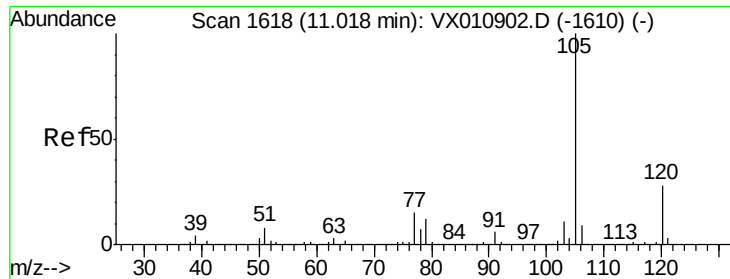
115 80.8 39.7 119.1

150 173.4 0.0 345.6



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: 48.878 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

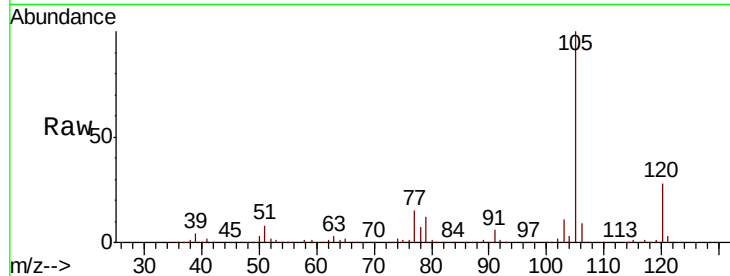
VSTDCCC050EC

Tot Ion:105 Resp: 557703

Ion Ratio Lower Upper

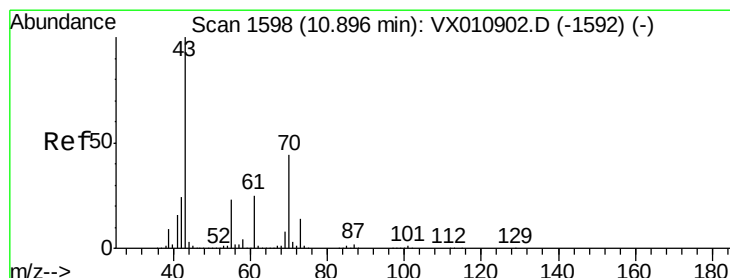
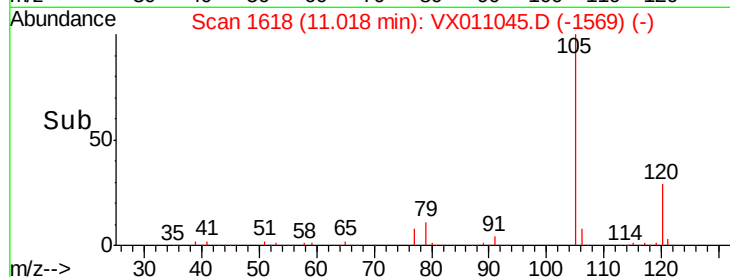
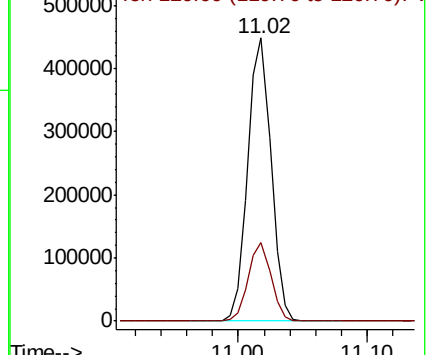
105 100

120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.584 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion: 43 Resp: 220530

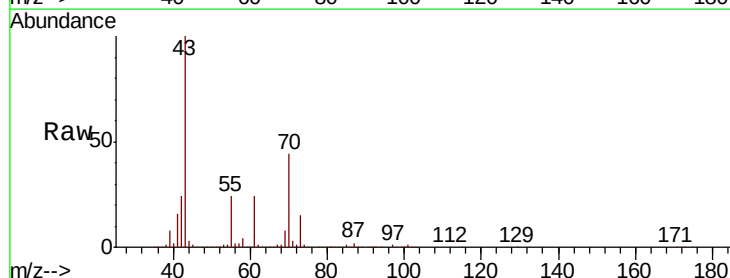
Ion Ratio Lower Upper

43 100

70 43.7 34.7 52.1

55 24.3 19.1 28.7

61 24.8 19.9 29.9

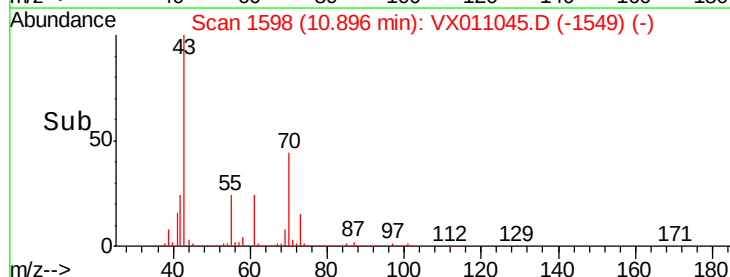
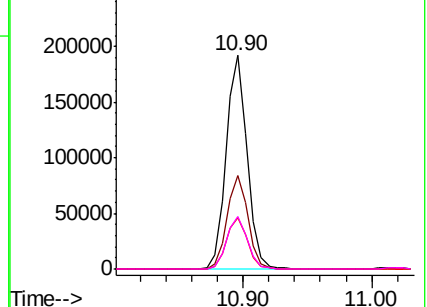


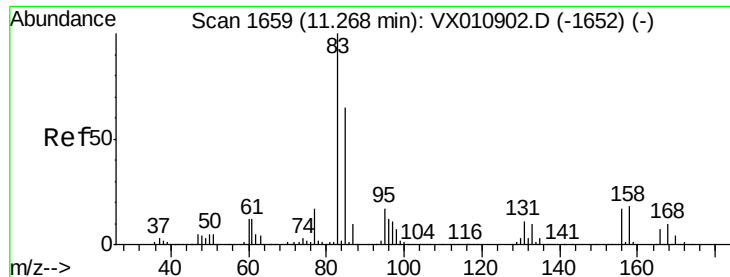
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.651 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

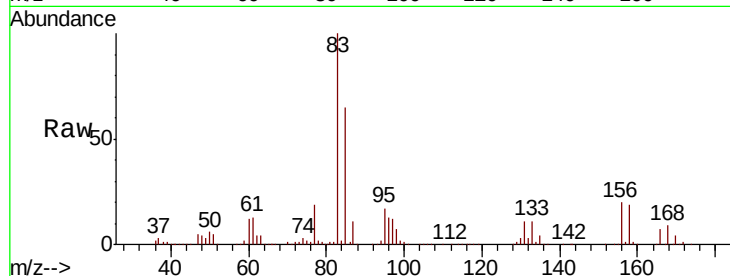
Tot Ion: 83 Resp: 185399

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

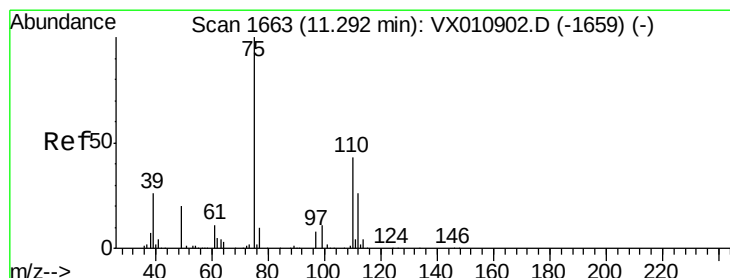
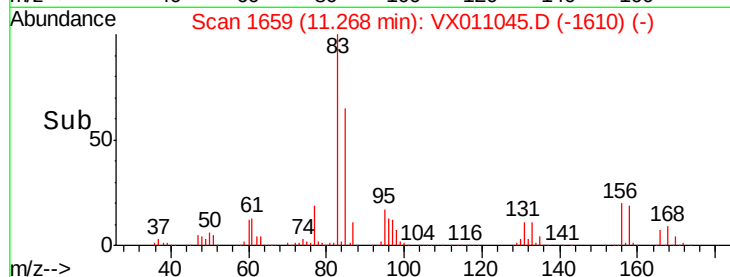
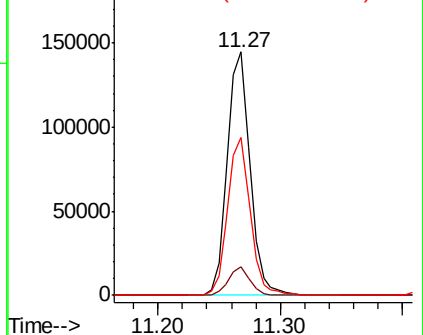
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 66.896 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011045.D

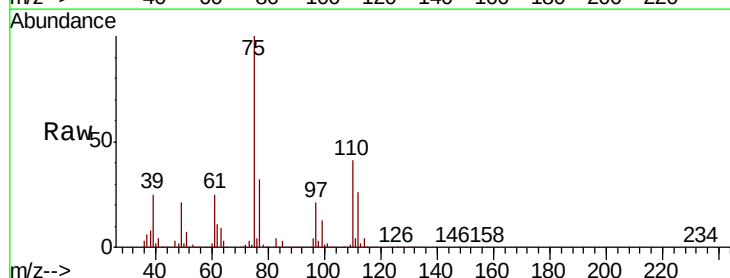
Acq: 22 Jul 2019 20:54

Tgt Ion: 75 Resp: 203848

Ion Ratio Lower Upper

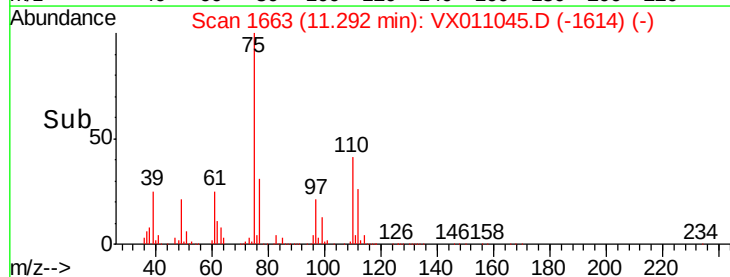
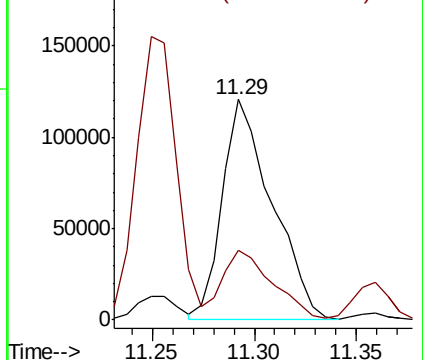
75 100

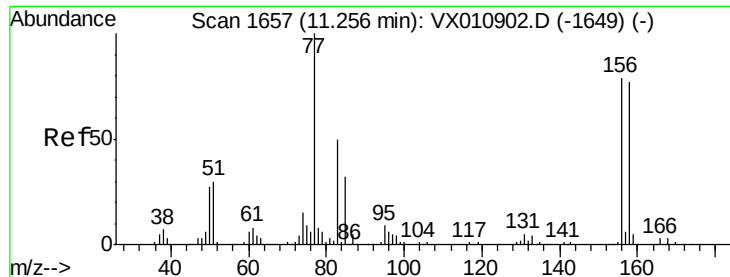
77 32.1 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.308 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

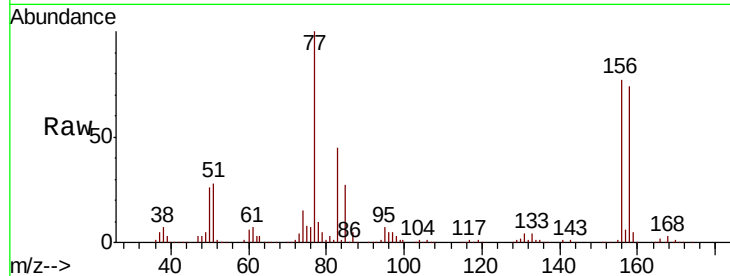
Tot Ion:156 Resp: 152040

Ion Ratio Lower Upper

156 100

77 137.8 68.7 206.1

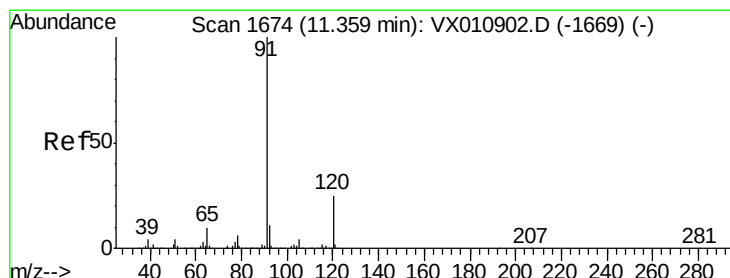
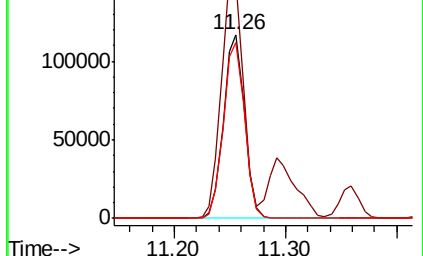
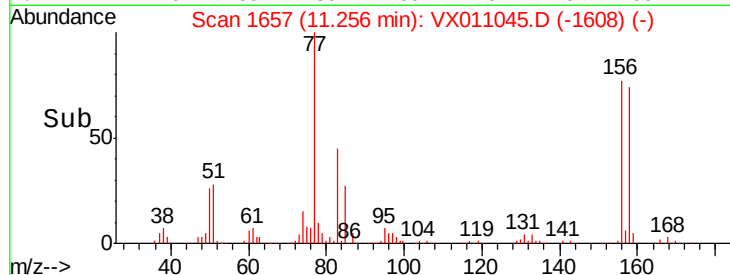
158 96.7 47.9 143.7



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: 49.650 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011045.D

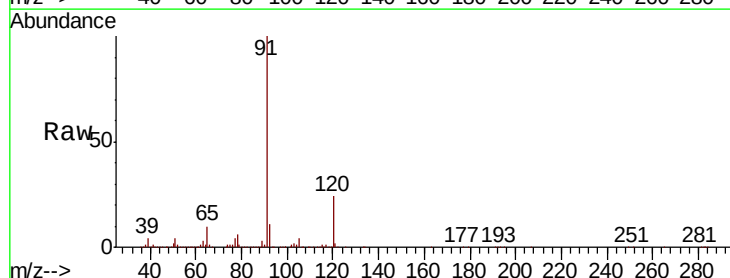
Acq: 22 Jul 2019 20:54

Tgt Ion: 91 Resp: 625950

Ion Ratio Lower Upper

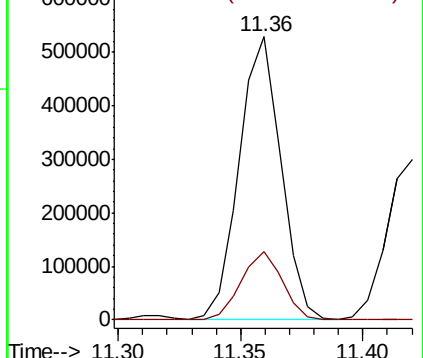
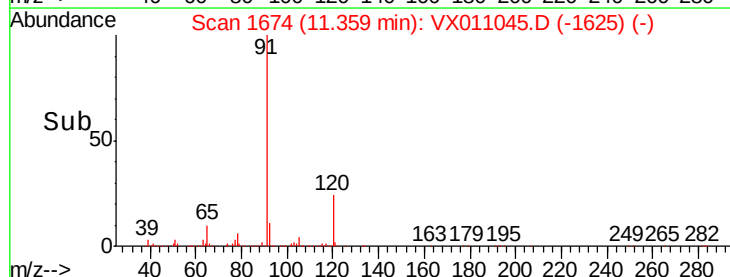
91 100

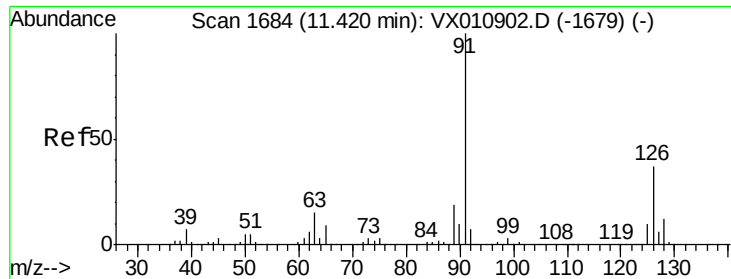
120 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

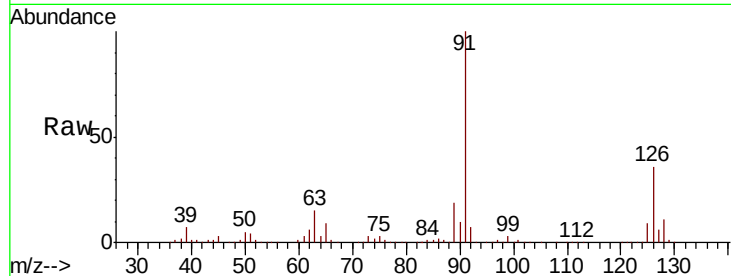




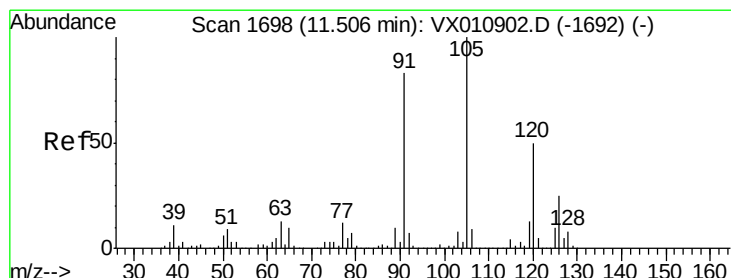
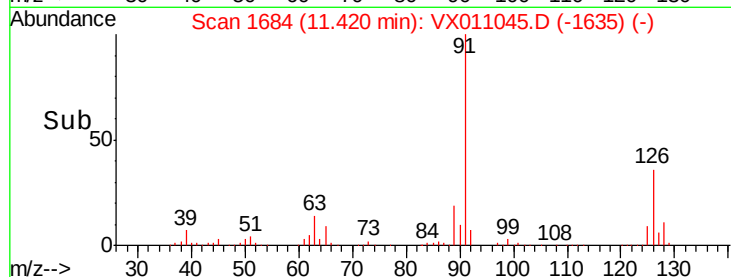
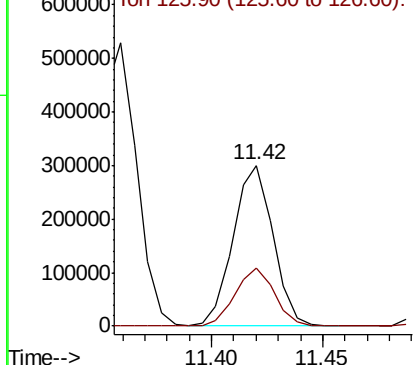
#79
 2-Chlorotoluene
 Concen: 49.293 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 373317
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.0 54.0

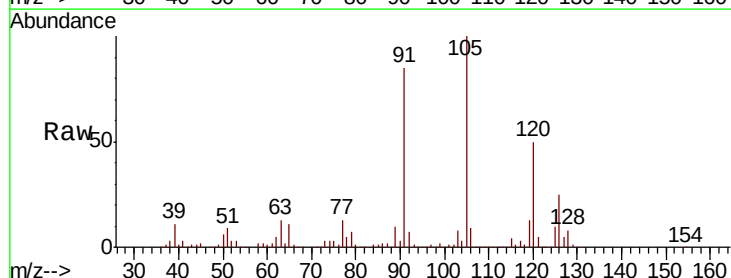


Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)
 Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

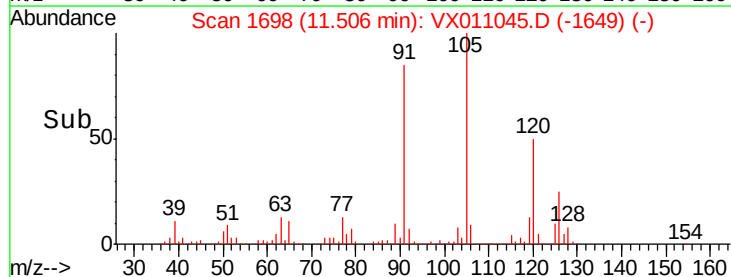
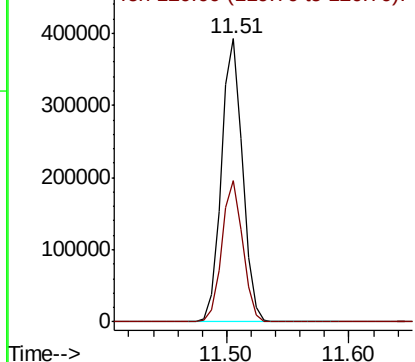


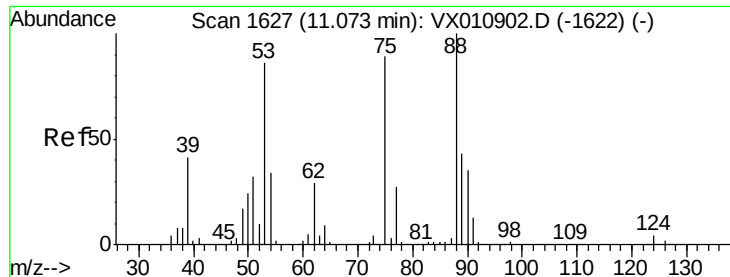
#80
 1,3,5-Trimethylbenzene
 Concen: 49.316 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 105 Resp: 470192
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)
 Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.645 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

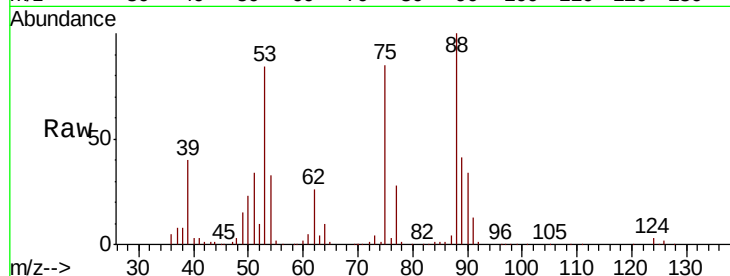
Tot Ion: 75 Resp: 53140

Ion Ratio Lower Upper

75 100

53 99.7 76.7 115.1

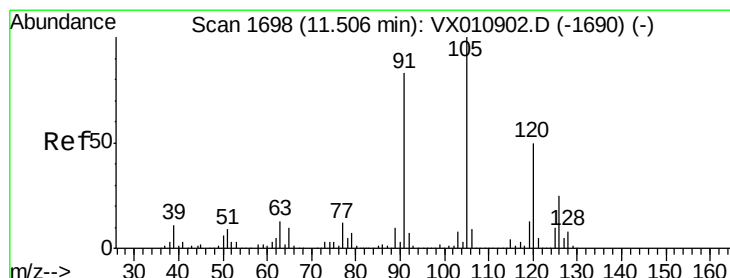
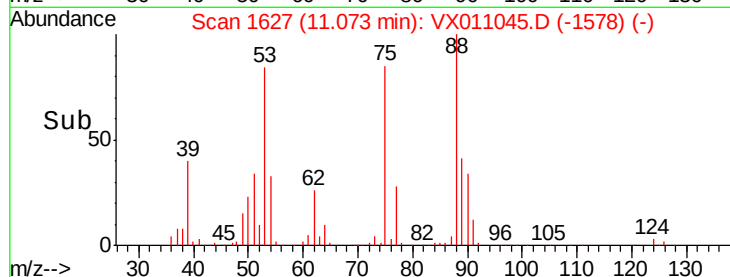
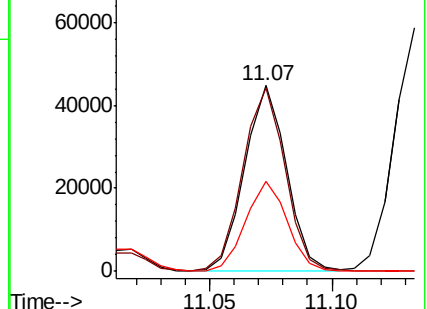
89 48.5 38.5 57.7



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: 49.499 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011045.D

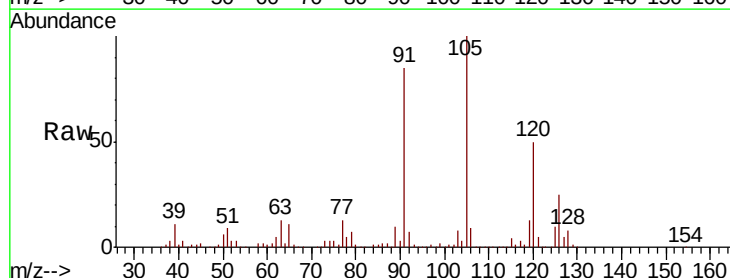
Acq: 22 Jul 2019 20:54

Tgt Ion: 91 Resp: 436321

Ion Ratio Lower Upper

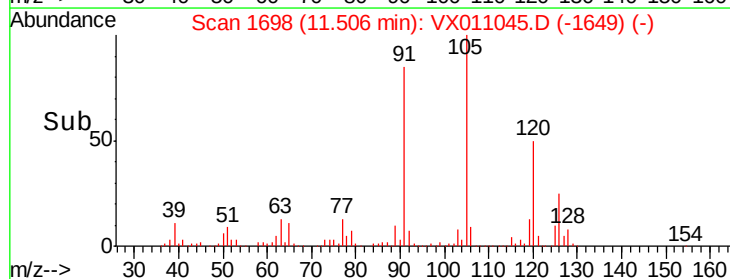
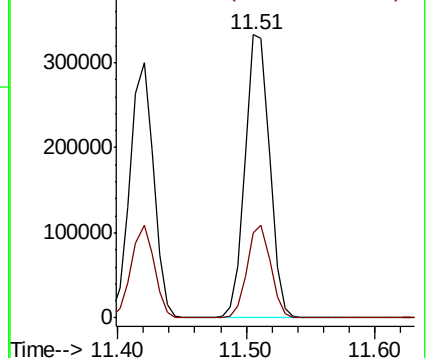
91 100

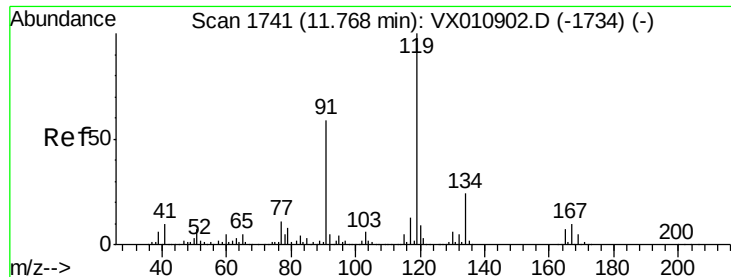
126 31.4 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

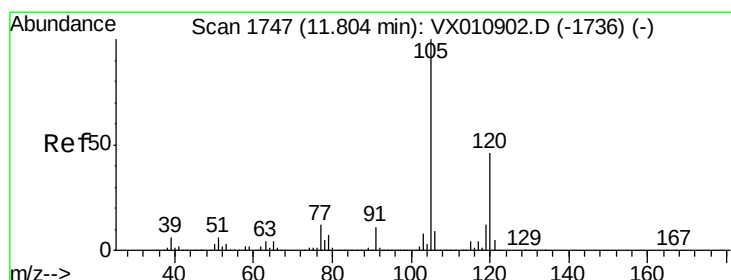
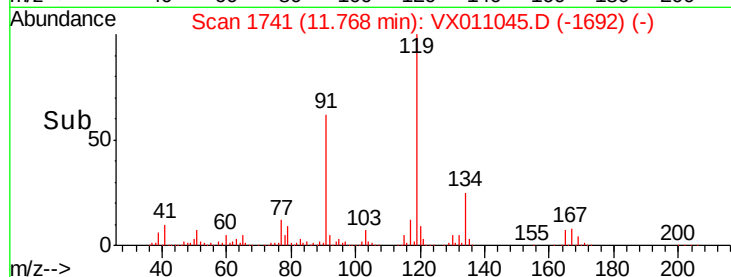
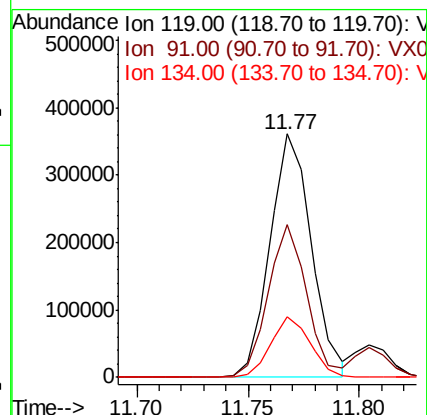
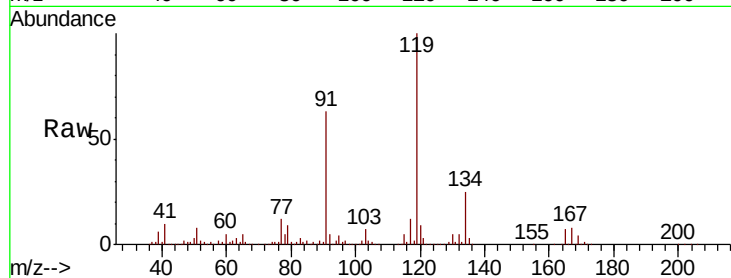




#83
tert-Butylbenzene
Concen: 49.815 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

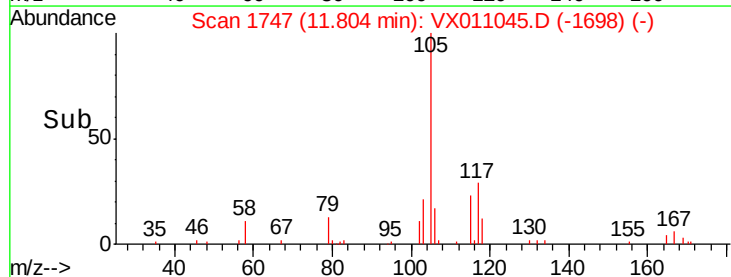
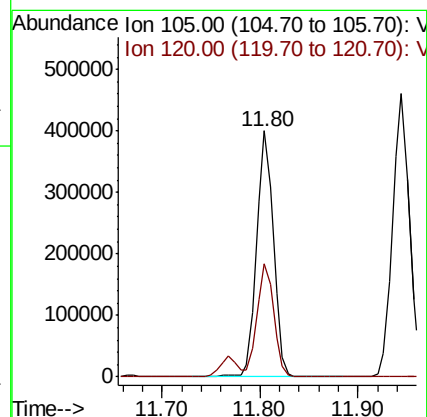
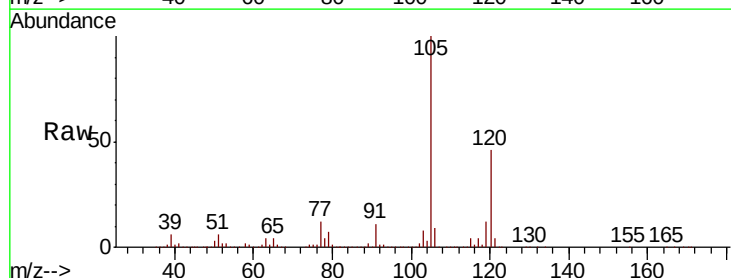
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

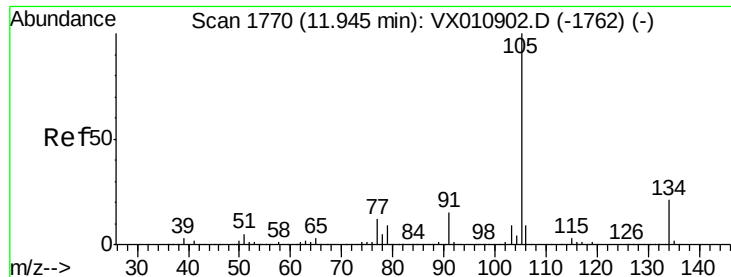
Tot Ion:119 Resp: 466517
Ion Ratio Lower Upper
119 100
91 58.9 28.6 85.8
134 23.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 49.733 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion:105 Resp: 477917
Ion Ratio Lower Upper
105 100
120 45.2 22.9 68.5





#85

sec-Butylbenzene

Concen: 49.943 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

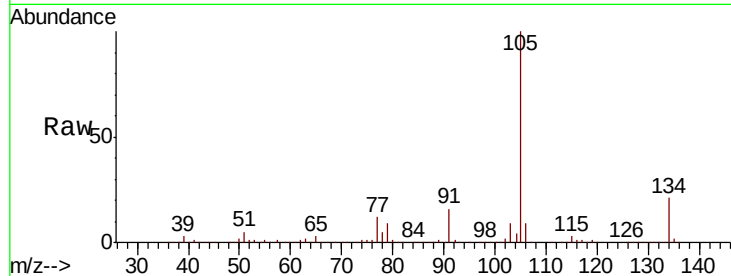
VSTDCCC050EC

Tot Ion:105 Resp: 548043

Ion Ratio Lower Upper

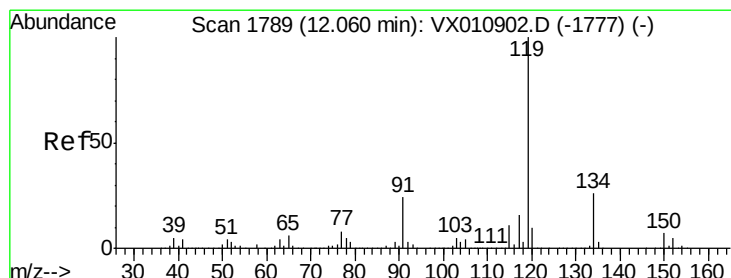
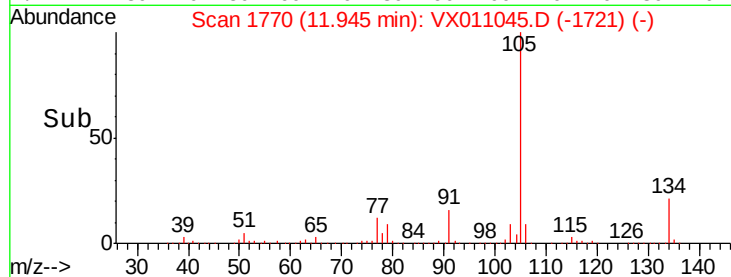
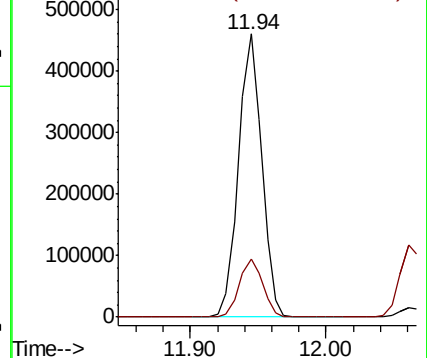
105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.441 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

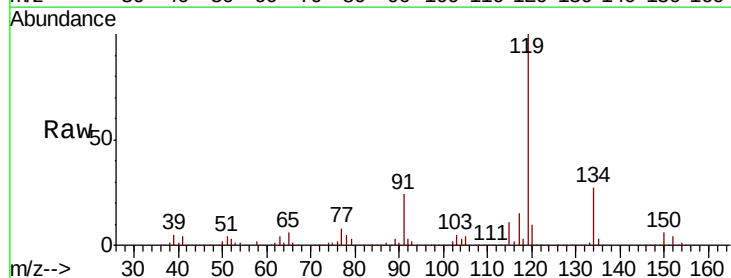
Tgt Ion:119 Resp: 511719

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

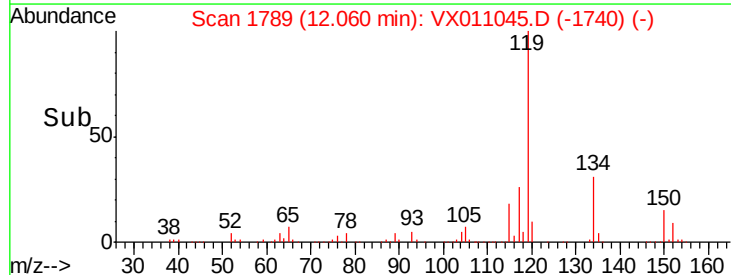
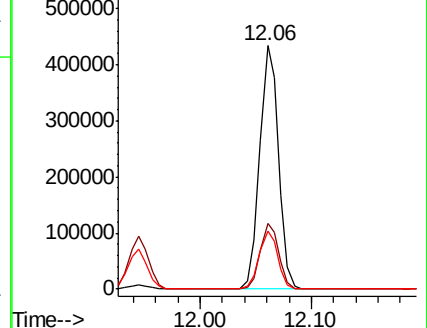
91 23.7 11.8 35.4

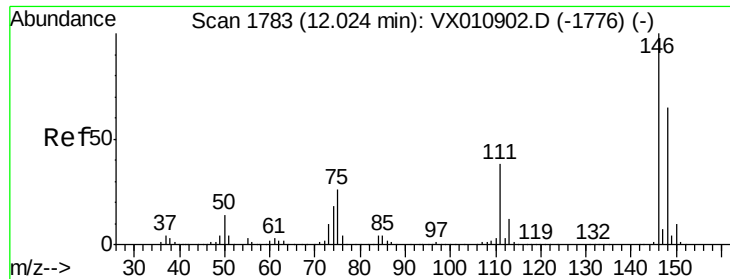


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

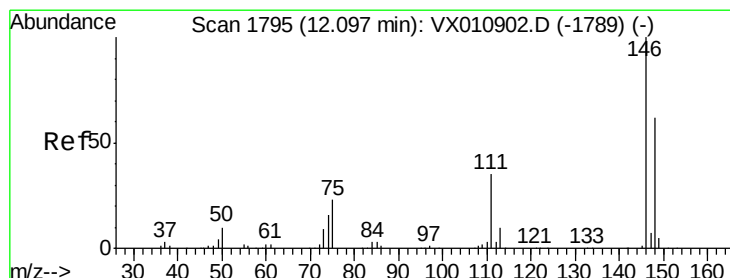
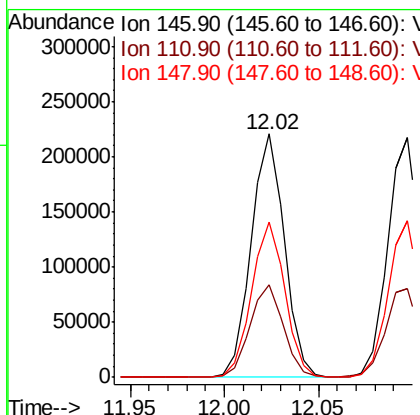
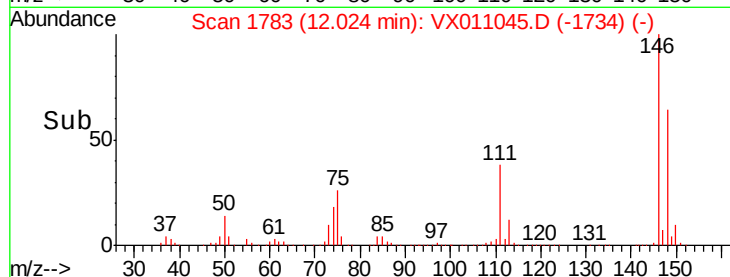
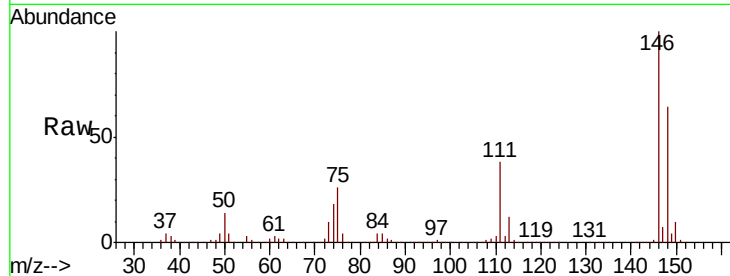




#87
 1,3-Dichlorobenzene
 Concen: 49.389 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

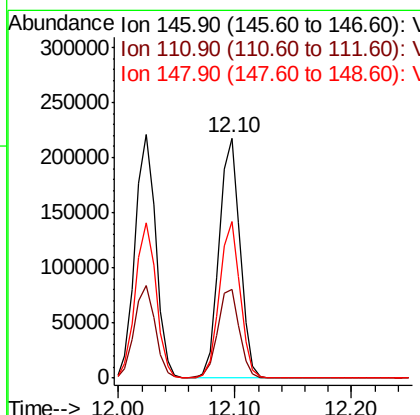
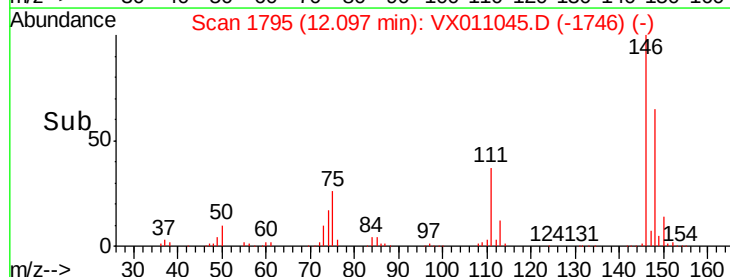
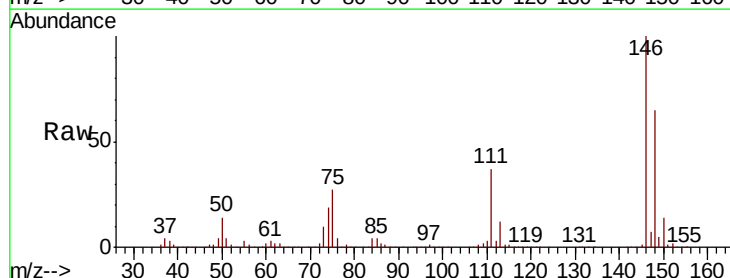
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

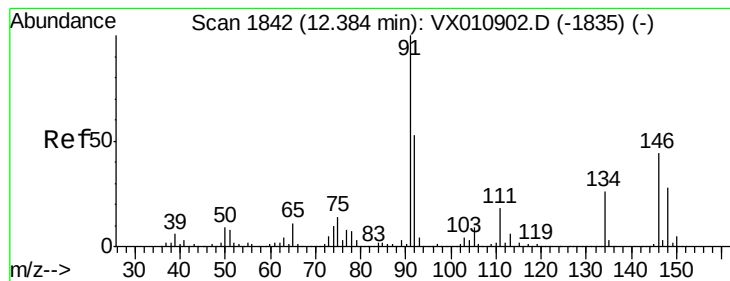
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 47.734 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.4	31.6	94.7





#89

n-Butylbenzene

Concen: 50.297 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

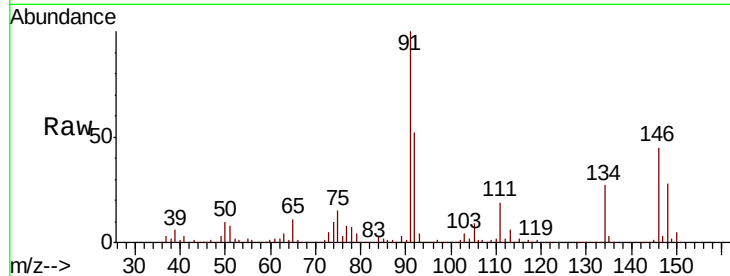
Tot Ion: 91 Resp: 436542

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

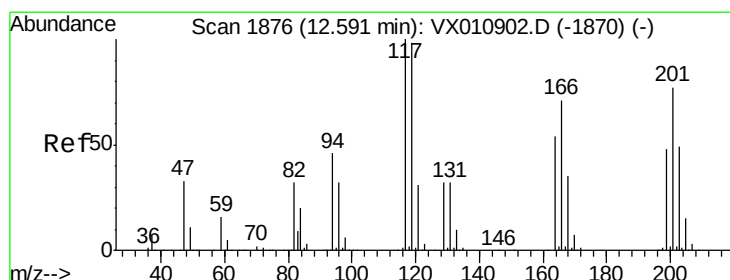
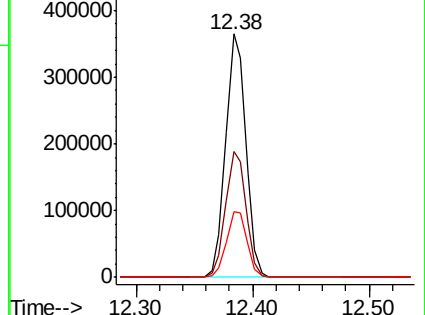
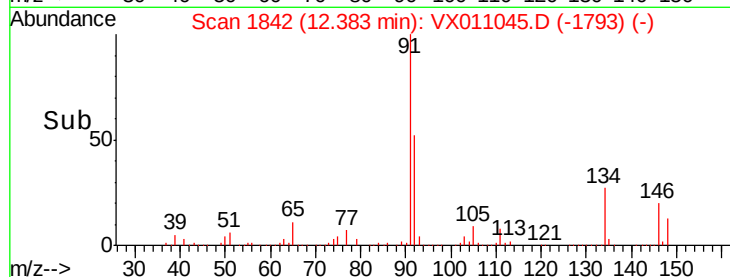
134 27.5 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VX011045.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX011045.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX011045.D (-1793) (-)



#90

Hexachloroethane

Concen: 51.201 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX011045.D

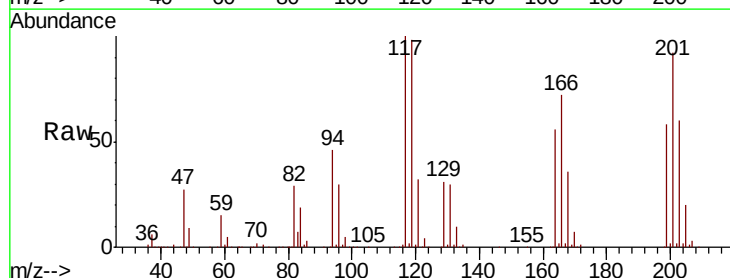
Acq: 22 Jul 2019 20:54

Tgt Ion: 117 Resp: 81927

Ion Ratio Lower Upper

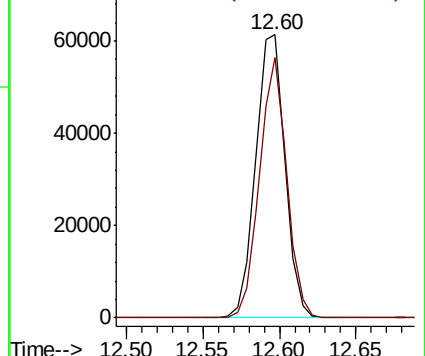
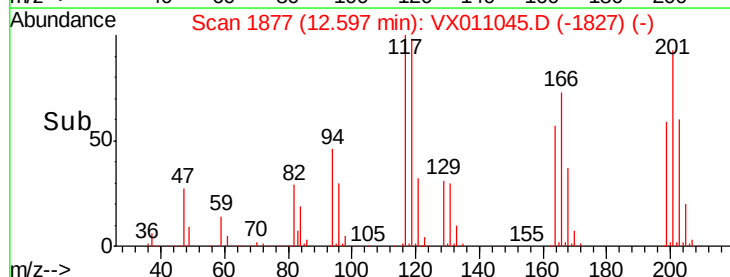
117 100

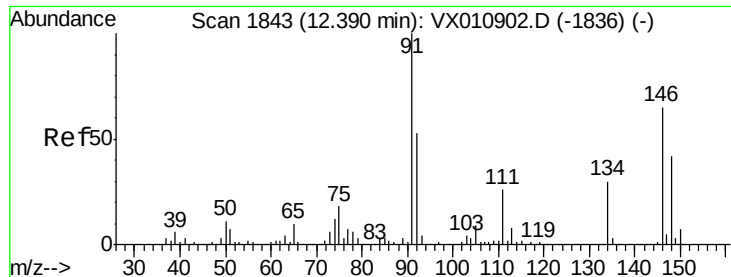
201 85.6 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): VX011045.D (-1827) (-)

Ion 200.70 (200.40 to 201.40): VX011045.D (-1827) (-)





#91

1,2-Dichlorobenzene

Concen: 49.143 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

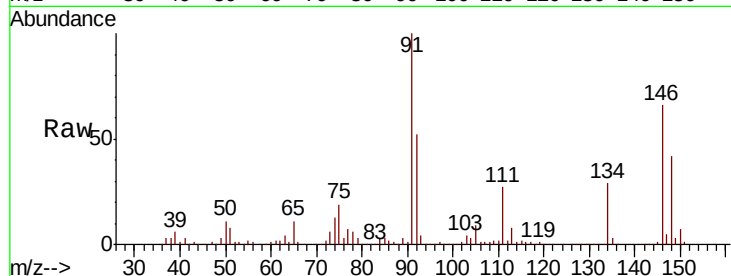
Tot Ion:146 Resp: 266020

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

148 63.7 32.0 96.2

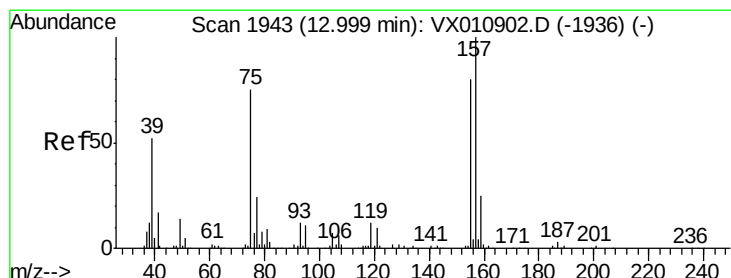
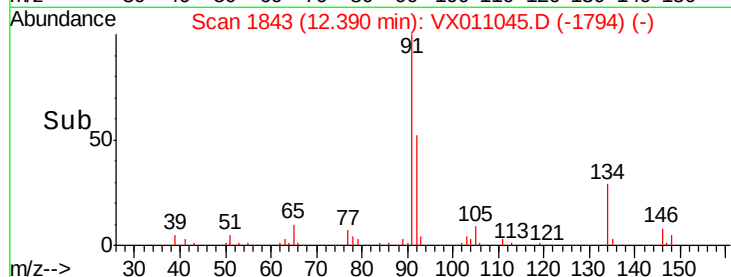
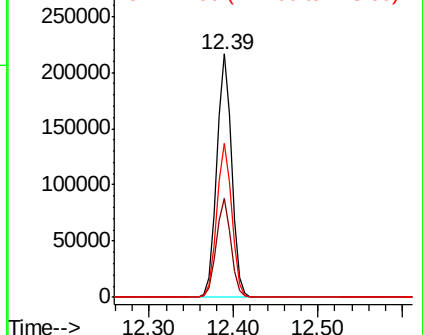


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.961 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

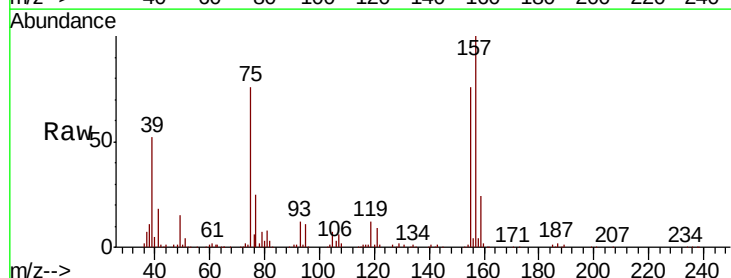
Tgt Ion: 75 Resp: 40557

Ion Ratio Lower Upper

75 100

155 95.3 48.7 146.1

157 125.4 62.5 187.6

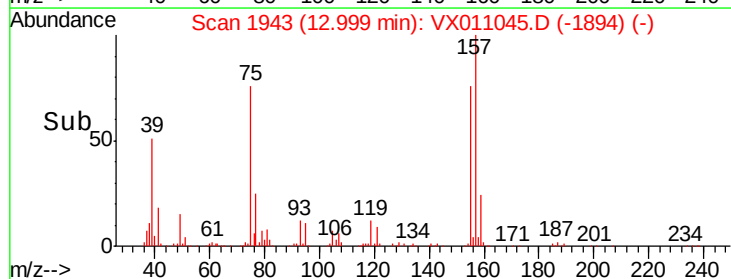
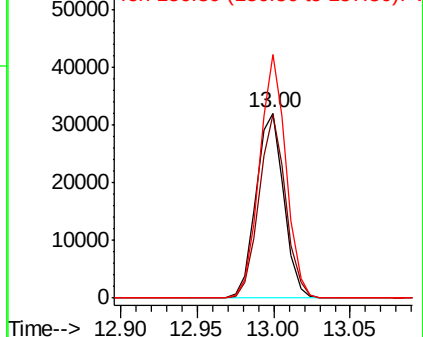


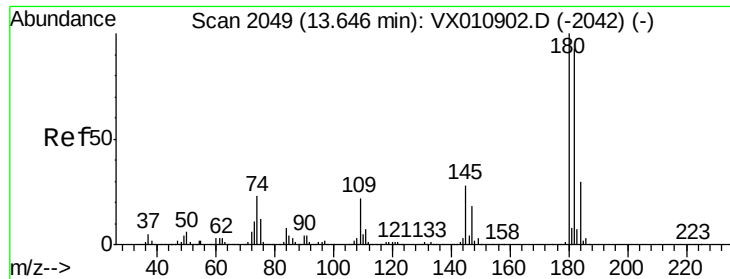
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

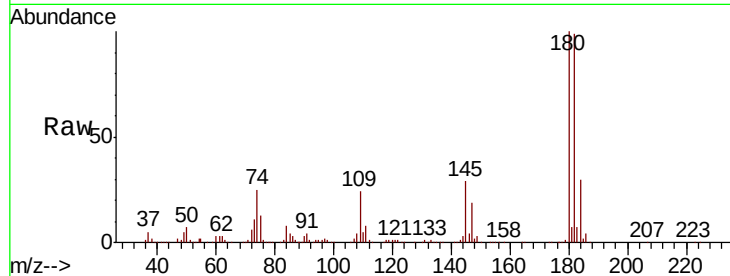




#93
 1,2,4-Trichlorobenzene
 Concen: 49.337 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.1	141.3
145	30.8	14.8	44.4

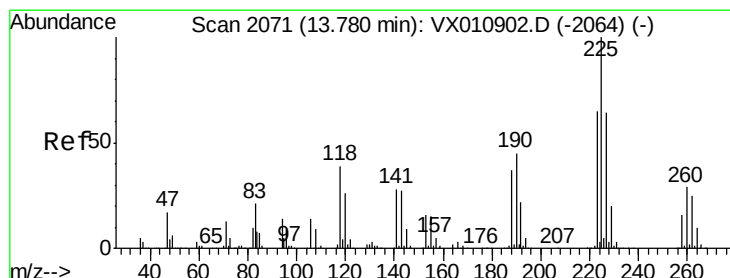
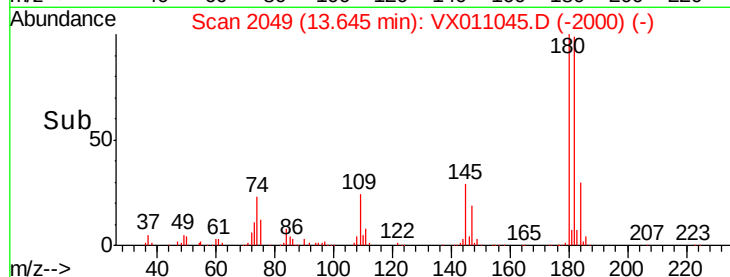
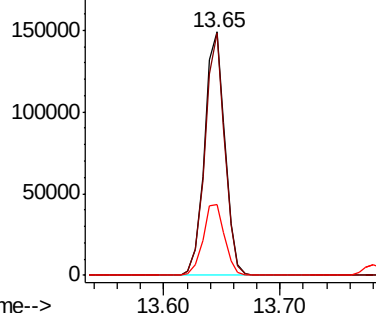


Abundance

Ion 179.80 (179.50 to 180.50): V

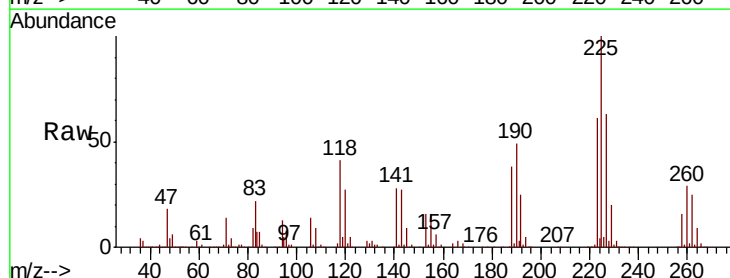
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.128 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.9	95.9
227	64.4	32.5	97.4

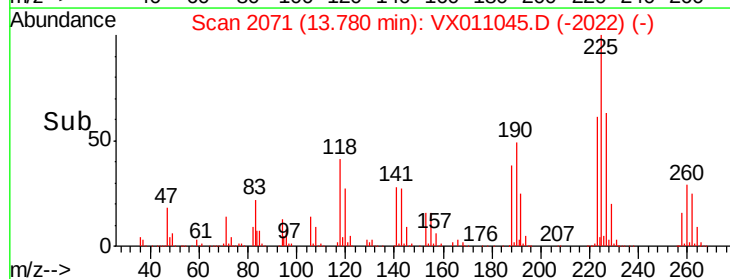
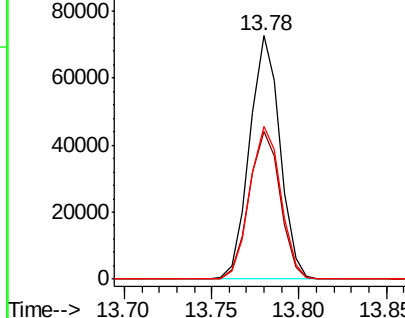


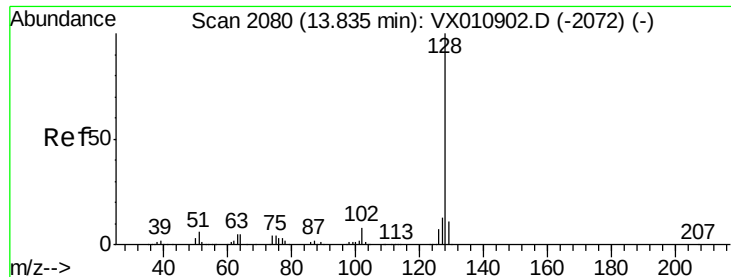
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

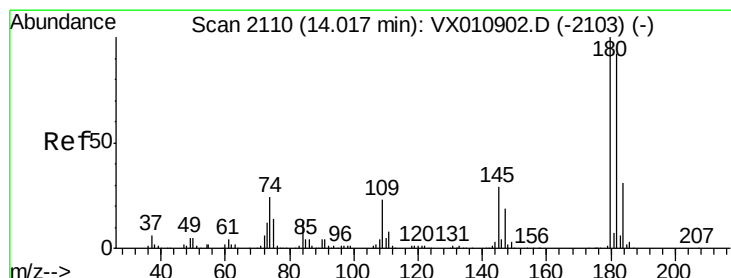
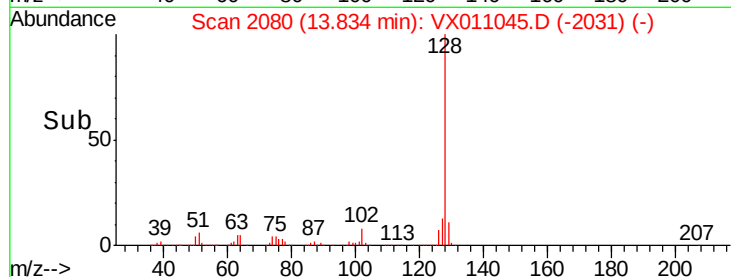
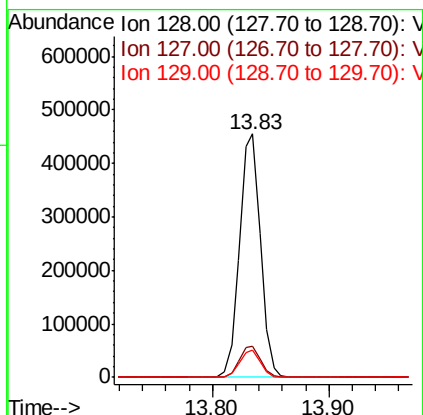
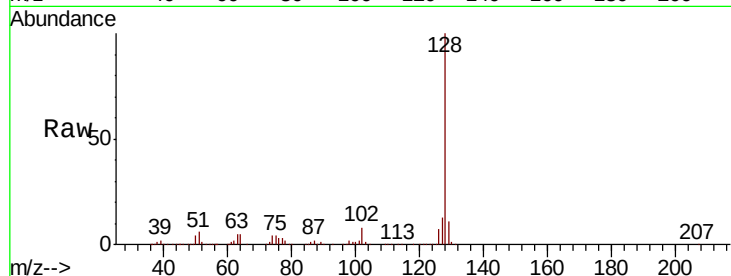




#95
Naphthalene
Concen: 52.772 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 571677
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.342 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion:180 Resp: 183757
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.3
145 31.6 15.1 45.3

