

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008230.D
 Acq On : 20 Mar 2019 09:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 05:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	333392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	529340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	220562	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
35) Dibromofluoromethane	5.49	113	166020	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
50) Toluene-d8	8.71	98	644789	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	233310	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	209336	51.790	ug/l	99
3) Chloromethane	1.33	50	231011	45.547	ug/l	97
4) Vinyl Chloride	1.41	62	238708	47.204	ug/l	100
5) Bromomethane	1.64	94	198144	45.998	ug/l	100
6) Chloroethane	1.72	64	143153	45.149	ug/l	100
7) Trichlorofluoromethane	1.93	101	296418	45.930	ug/l	99
8) Diethyl Ether	2.19	74	164562	49.561	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	232484	54.258	ug/l	91
10) Methyl Iodide	2.51	142	285635	52.355	ug/l	97
11) Tert butyl alcohol	3.04	59	258951	240.905	ug/l	98
12) 1,1-Dichloroethene	2.37	96	218866	54.105	ug/l	91
13) Acrolein	2.29	56	175348	230.878	ug/l	100
14) Allyl chloride	2.73	41	445370	50.576	ug/l	94
15) Acrylonitrile	3.14	53	701574	246.759	ug/l	99
16) Acetone	2.44	43	811860	285.080	ug/l	97
17) Carbon Disulfide	2.57	76	633135	47.977	ug/l	100
18) Methyl Acetate	2.77	43	338951	51.411	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	745521	50.971	ug/l	98
20) Methylene Chloride	2.85	84	230775	48.596	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	215315	49.270	ug/l	92
22) Diisopropyl ether	3.85	45	876738	50.836	ug/l	# 88
23) Vinyl Acetate	3.81	43	3832773	259.212	ug/l	98
24) 1,1-Dichloroethane	3.70	63	446822	50.373	ug/l	99
25) 2-Butanone	4.67	43	1107928	263.554	ug/l	98
26) 2,2-Dichloropropane	4.59	77	346703	51.885	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	248690	49.919	ug/l	91
28) Bromochloromethane	5.01	49	189979	47.697	ug/l	83
29) Tetrahydrofuran	5.13	42	671658	255.585	ug/l	97
30) Chloroform	5.21	83	421709	50.825	ug/l	100
31) Cyclohexane	5.58	56	440359	52.868	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	355169	51.457	ug/l	96
36) 1,1-Dichloropropene	5.80	75	332235	53.909	ug/l	97
37) Ethyl Acetate	4.83	43	392638	53.895	ug/l	98
38) Carbon Tetrachloride	5.79	117	299229	54.493	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	418132	56.379	ug/l	92
40) Benzene	6.14	78	969222	53.135	ug/l	99
41) Methacrylonitrile	5.04	41	221962	54.316	ug/l	97
42) 1,2-Dichloroethane	6.19	62	350451	52.446	ug/l	96
43) Isopropyl Acetate	6.44	43	636492	54.506	ug/l	97
44) Trichloroethene	7.21	130	236493	53.024	ug/l	91
45) 1,2-Dichloropropane	7.51	63	269177	52.714	ug/l	99
46) Dibromomethane	7.66	93	160624	51.953	ug/l	87
47) Bromodichloromethane	7.90	83	319780	54.272	ug/l	100
48) Methyl methacrylate	7.77	41	337412	54.342	ug/l	94
49) 1,4-Dioxane	7.74	88	109521	999.567	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	2040060	270.231	ug/l	98
52) Toluene	8.78	92	584551	54.017	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	371593	50.348	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	403532	55.184	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	237719	54.369	ug/l	98
56) Ethyl methacrylate	9.18	69	395822	51.594	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	421236	54.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	847981	236.710	ug/l	94
59) 2-Hexanone	9.49	43	1576599	271.263	ug/l	96
60) Dibromochloromethane	9.58	129	237731	56.576	ug/l	98
61) 1,2-Dibromoethane	9.67	107	247979	54.317	ug/l	98
64) Tetrachloroethene	9.34	164	233031	54.447	ug/l	96
65) Chlorobenzene	10.13	112	616873	52.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	222446	54.656	ug/l	98
67) Ethyl Benzene	10.25	91	1120466	54.470	ug/l	97
68) m/p-Xylenes	10.36	106	833014	110.241	ug/l	94
69) o-Xylene	10.69	106	402931	54.877	ug/l	95
70) Styrene	10.71	104	660723	55.371	ug/l	96
71) Bromoform	10.85	173	175569	50.063	ug/l #	99
73) Isopropylbenzene	11.02	105	1083766	54.257	ug/l	99
74) N-amyl acetate	10.90	43	549002	52.459	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	359265	50.159	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	444645	70.546	ug/l	90
77) Bromobenzene	11.26	156	256063	53.020	ug/l	87
78) n-propylbenzene	11.36	91	1283530	55.325	ug/l	96
79) 2-Chlorotoluene	11.42	91	738278	53.020	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	901933	54.655	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	120852	48.913	ug/l	94
82) 4-Chlorotoluene	11.51	91	867446	53.534	ug/l	95
83) tert-Butylbenzene	11.77	119	854437	54.232	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	907755	54.260	ug/l	98
85) sec-Butylbenzene	11.94	105	1077267	55.214	ug/l	97
86) p-Isopropyltoluene	12.06	119	936264	55.437	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	458963	53.176	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	461100	51.648	ug/l	98
89) n-Butylbenzene	12.38	91	888932	56.080	ug/l	97
90) Hexachloroethane	12.60	117	160541	55.815	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	452030	51.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	79145	49.750	ug/l	79

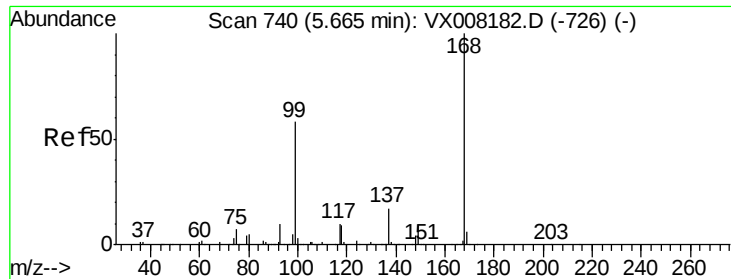
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	309277	53.954	ug/l	99
94) Hexachlorobutadiene	13.78	225	155028	55.453	ug/l	99
95) Naphthalene	13.83	128	962494	53.199	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	304090	53.913	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

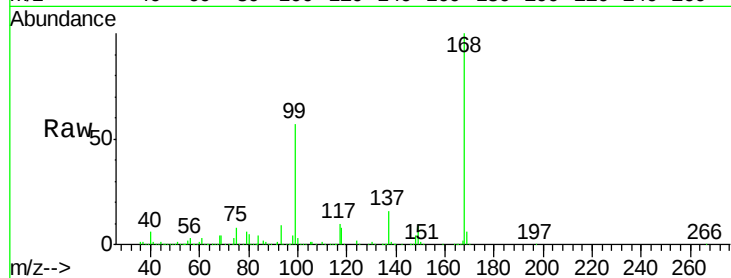
VSTDCCC050

Tot Ion:168 Resp: 333392

Ion Ratio Lower Upper

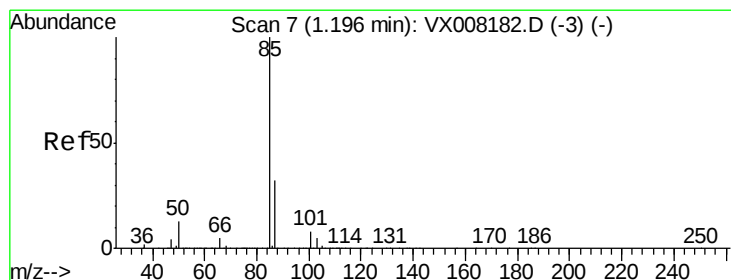
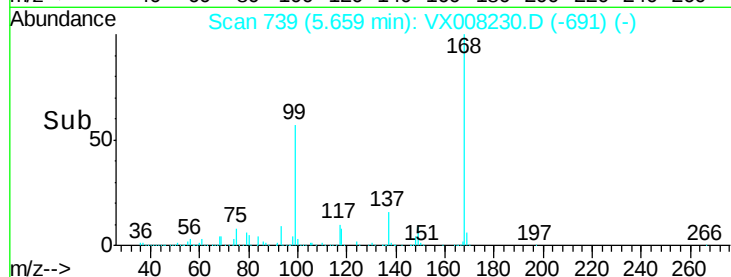
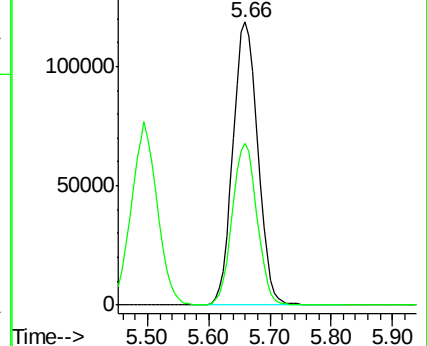
168 100

99 57.1 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: 51.790 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008230.D

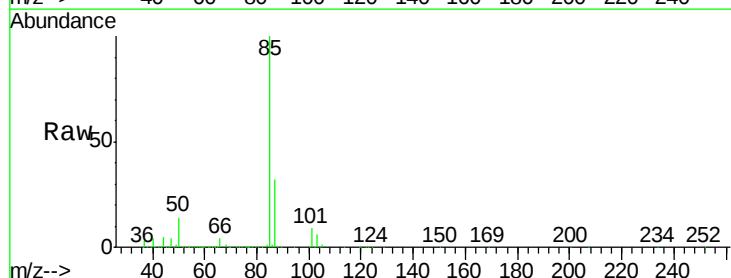
Acq: 20 Mar 2019 09:51

Tgt Ion: 85 Resp: 209336

Ion Ratio Lower Upper

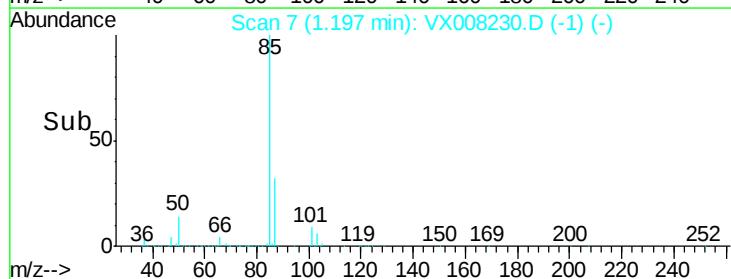
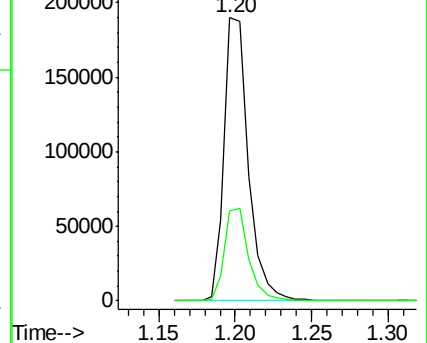
85 100

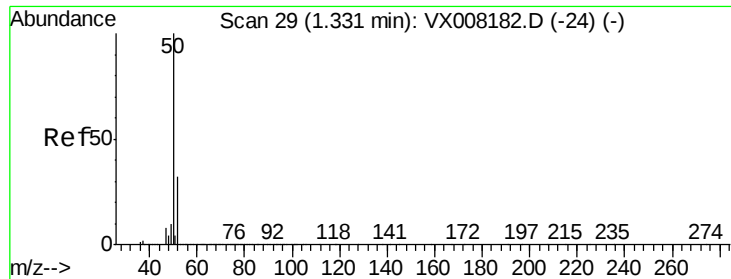
87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.547 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

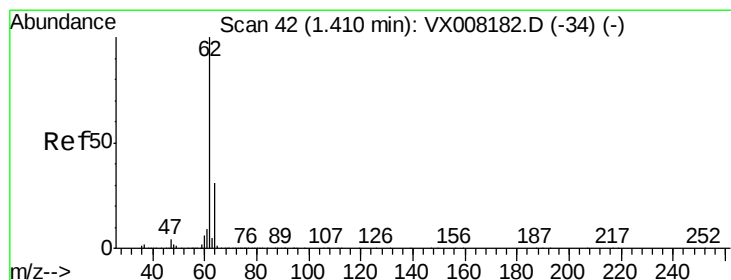
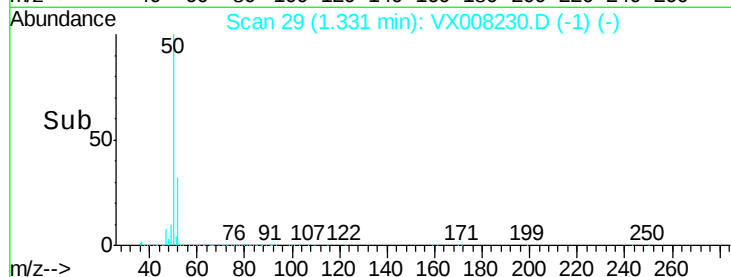
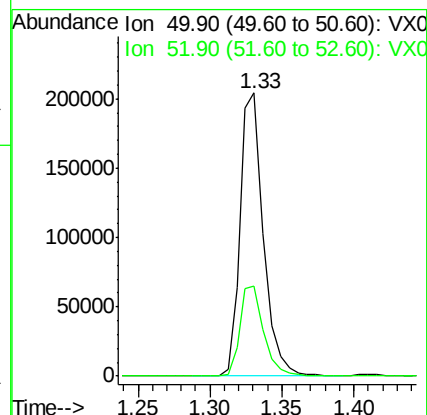
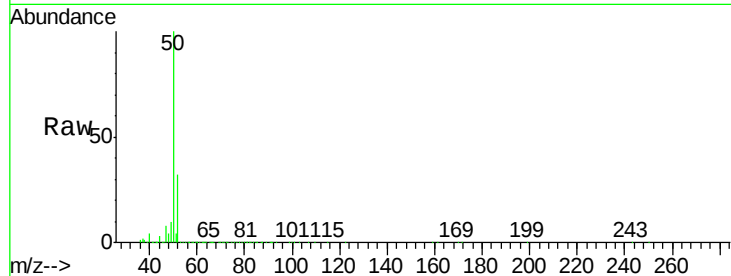
VSTDCCC050

Tot Ion: 50 Resp: 231011

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7



#4

Vinyl Chloride

Concen: 47.204 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008230.D

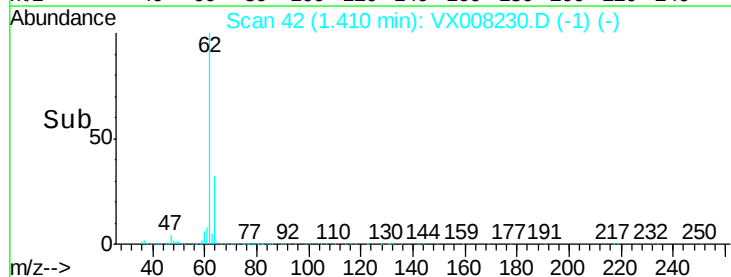
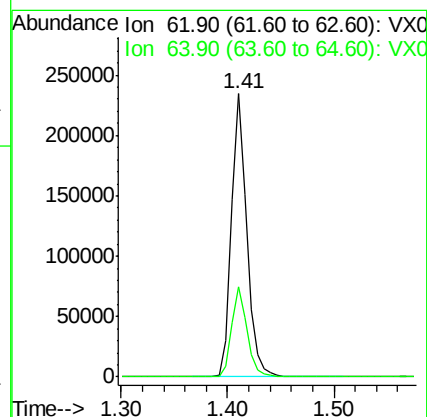
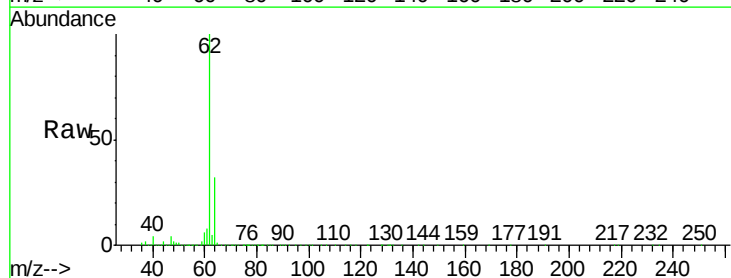
Acq: 20 Mar 2019 09:51

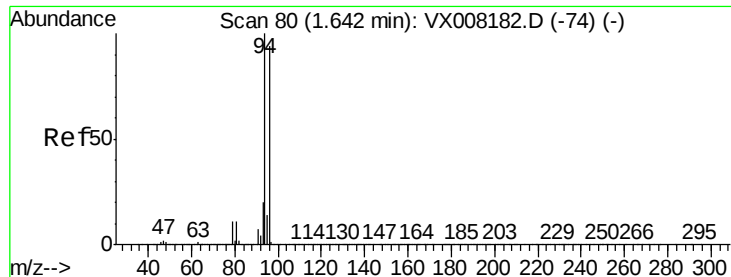
Tgt Ion: 62 Resp: 238708

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 45.998 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

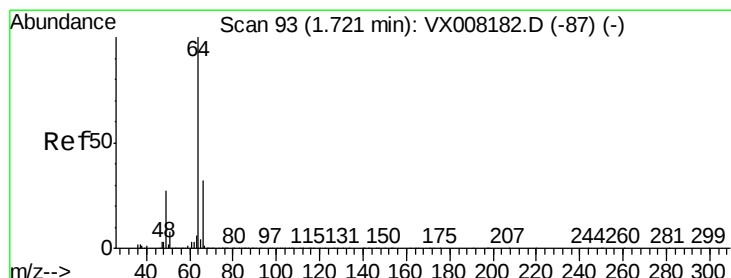
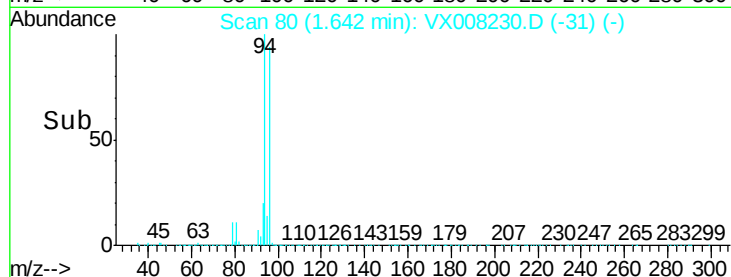
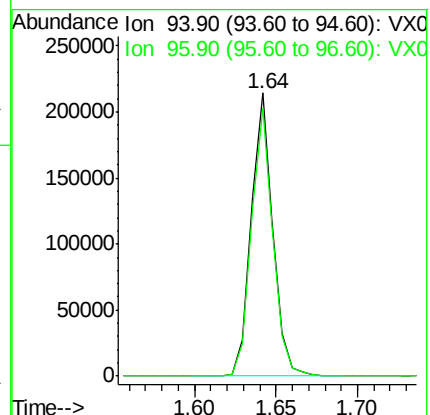
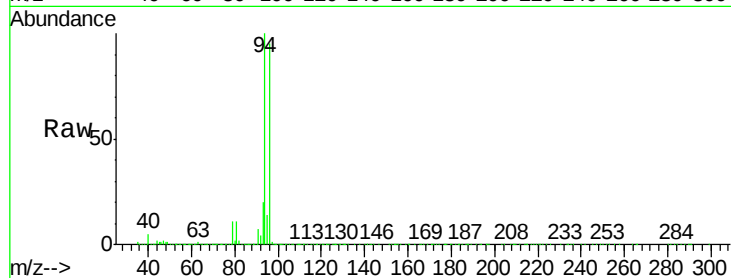
VSTDCCC050

Tot Ion: 94 Resp: 198144

Ion Ratio Lower Upper

94 100

96 94.5 75.5 113.3



#6

Chloroethane

Concen: 45.149 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008230.D

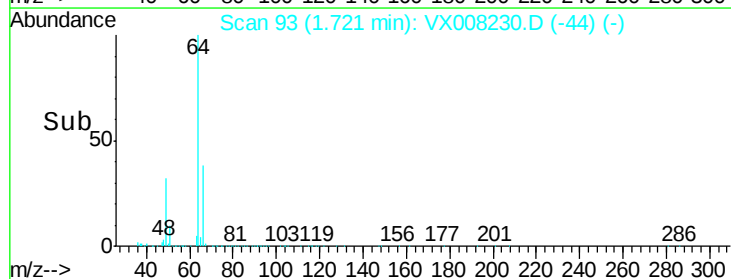
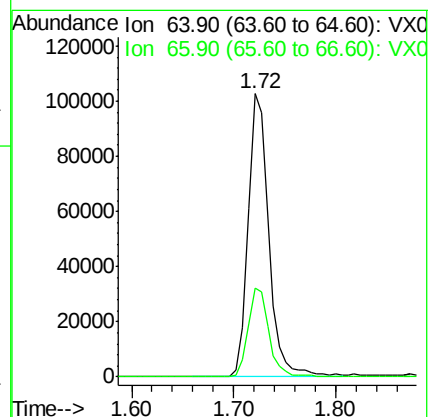
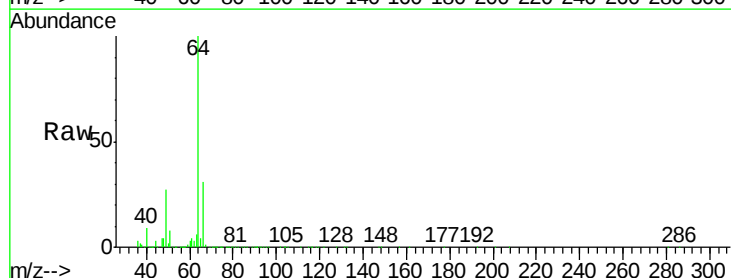
Acq: 20 Mar 2019 09:51

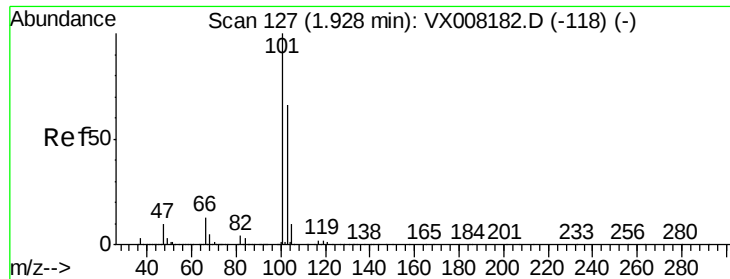
Tgt Ion: 64 Resp: 143153

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



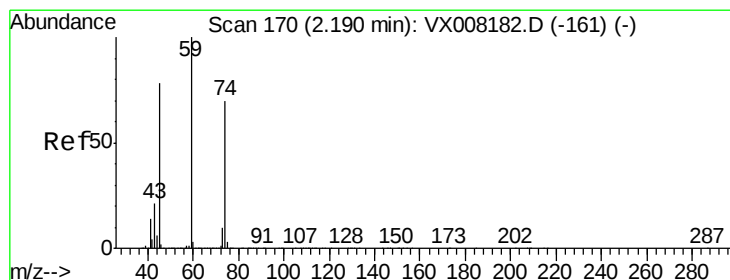
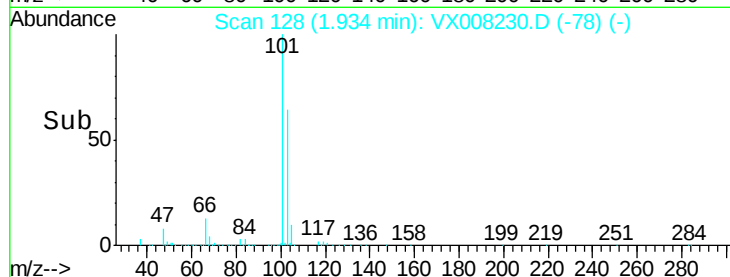
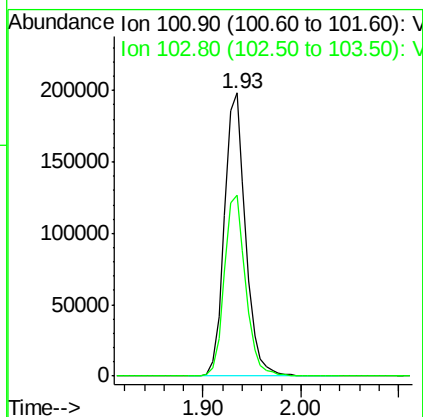
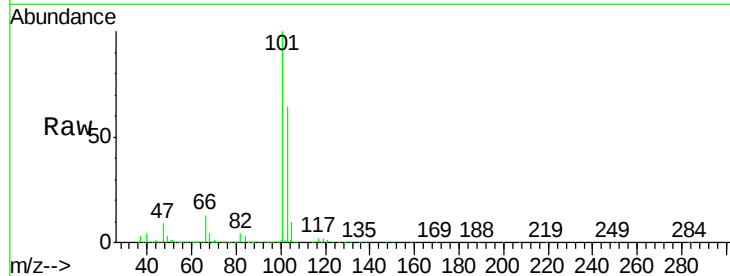


#7

Trichlorofluoromethane
 Concen: 45.930 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

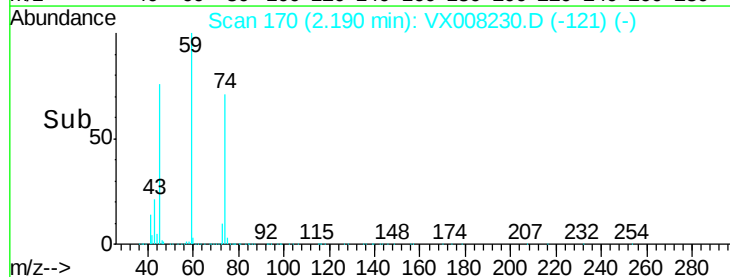
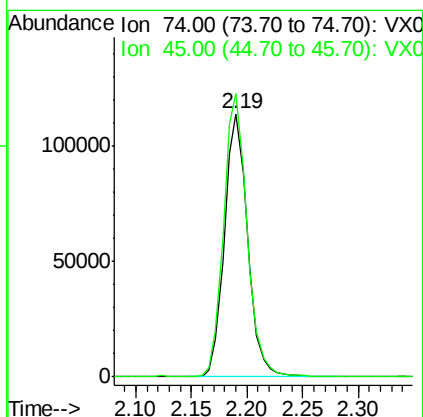
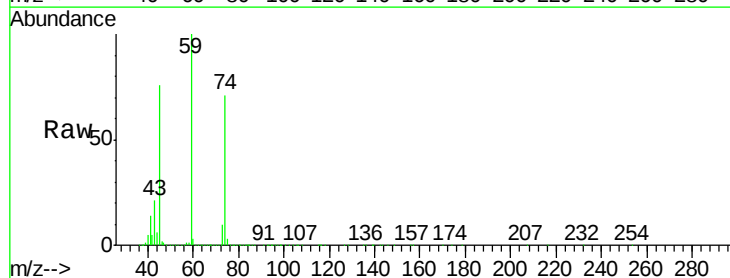
Tot Ion:101 Resp: 296418
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.4 75.6

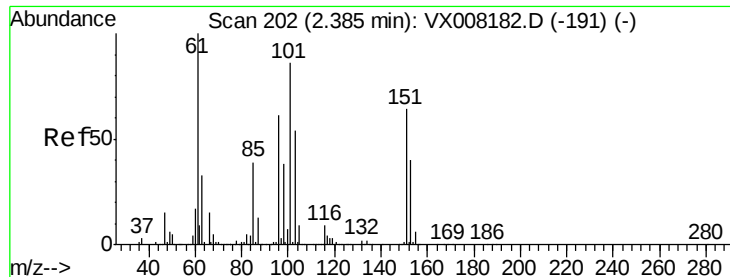


#8

Diethyl Ether
 Concen: 49.561 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 74 Resp: 164562
 Ion Ratio Lower Upper
 74 100
 45 108.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.258 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

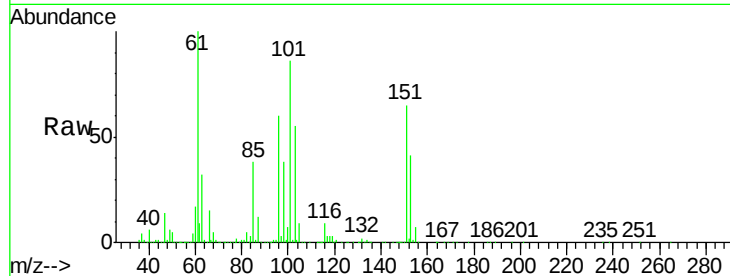
Tot Ion:101 Resp: 232484

Ion Ratio Lower Upper

101 100

85 44.9 33.8 50.6

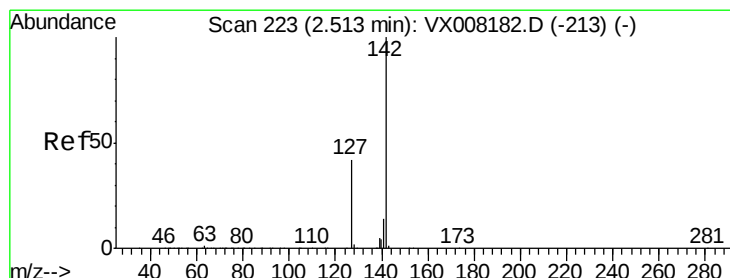
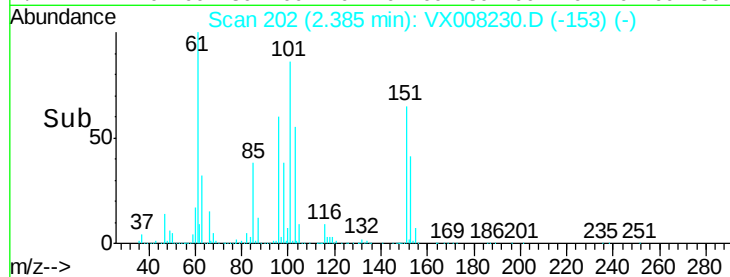
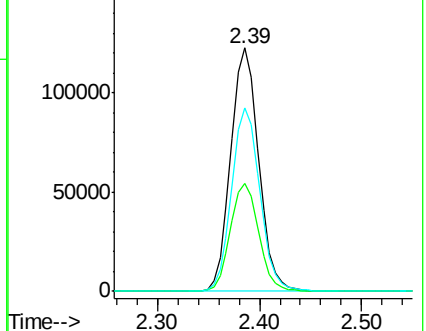
151 76.1 69.1 103.7



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: 52.355 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

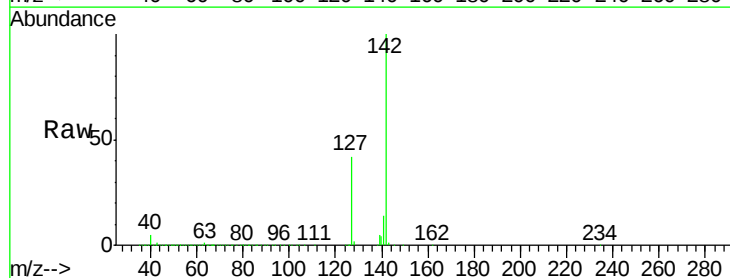
Tgt Ion:142 Resp: 285635

Ion Ratio Lower Upper

142 100

127 42.5 32.1 48.1

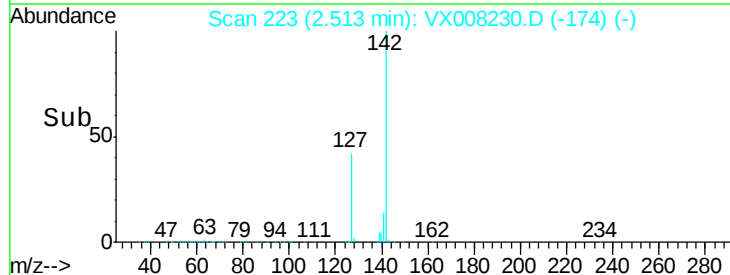
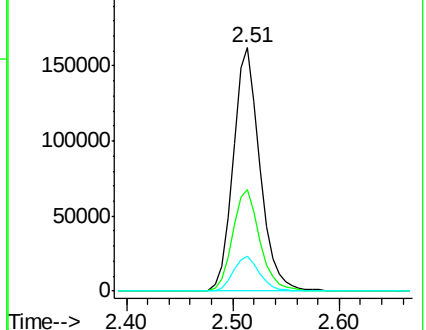
141 14.4 11.4 17.2

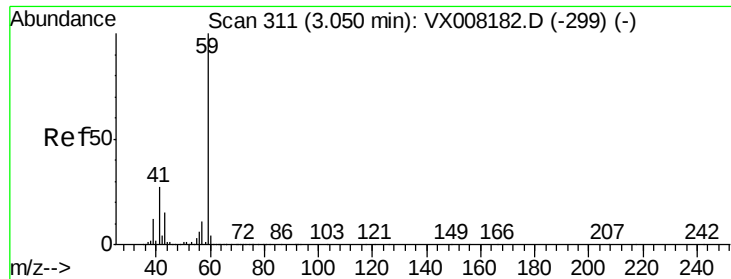


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



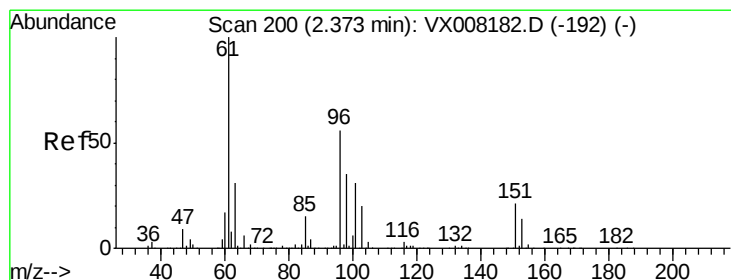
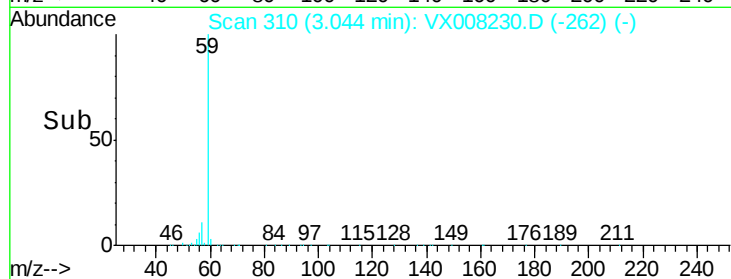
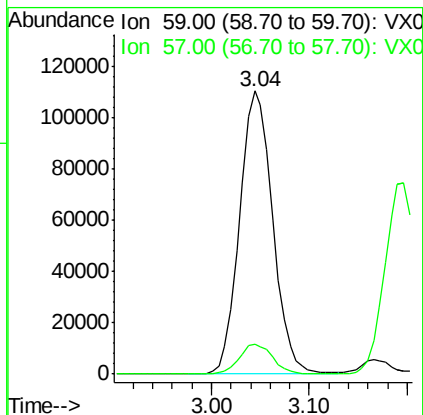
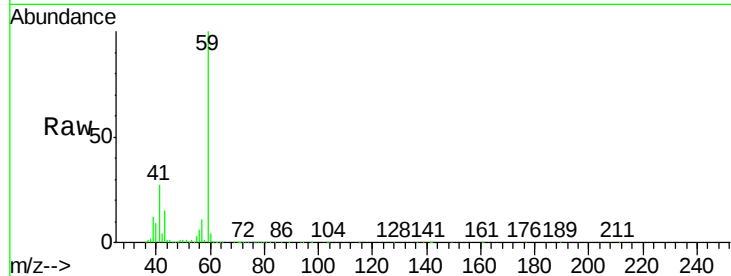


#11

Tert butyl alcohol
Concen: 240.905 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

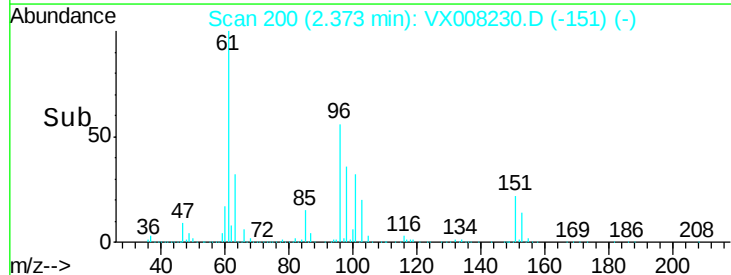
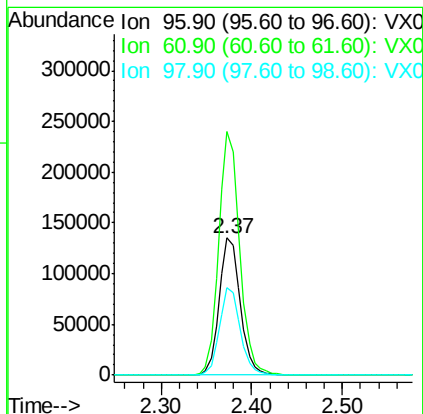
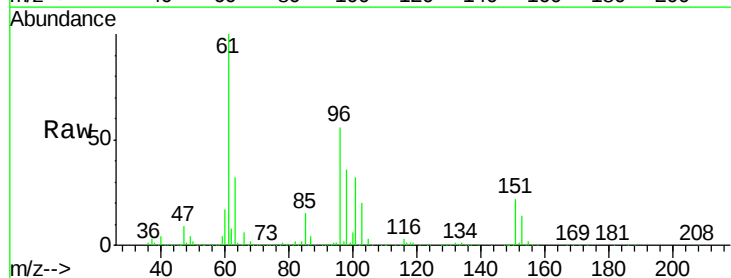
Tot Ion: 59 Resp: 258951
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

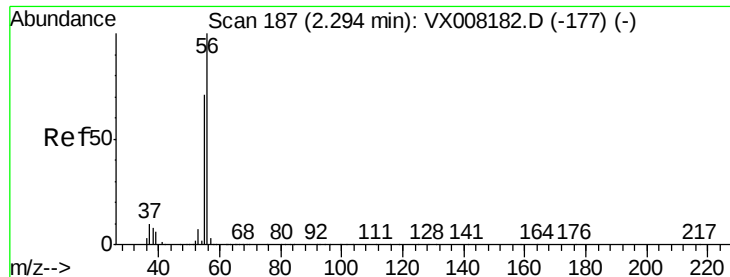


#12

1,1-Dichloroethene
Concen: 54.105 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 96 Resp: 218866
Ion Ratio Lower Upper
96 100
61 177.8 129.8 194.6
98 63.5 51.0 76.6





#13

Acrolein

Concen: 230.878 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

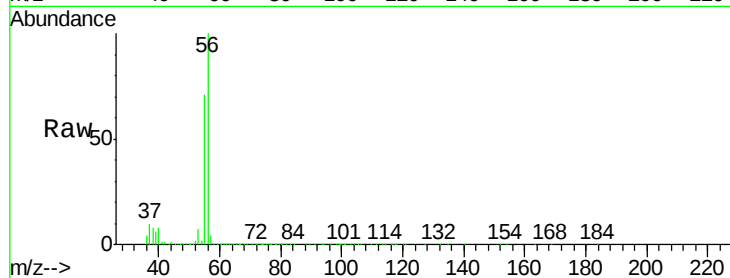
VSTDCCC050

Tot Ion: 56 Resp: 175348

Ion Ratio Lower Upper

56 100

55 71.8 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

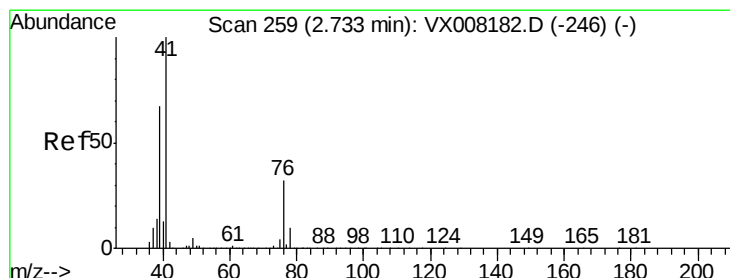
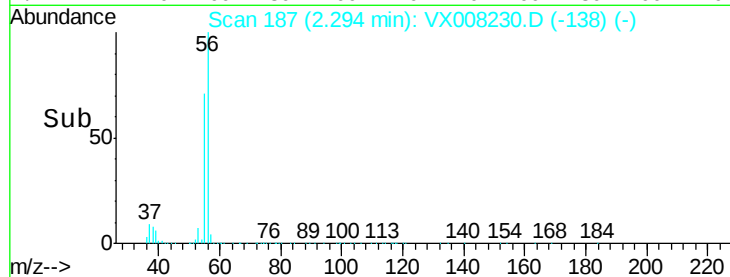
2.29

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 50.576 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

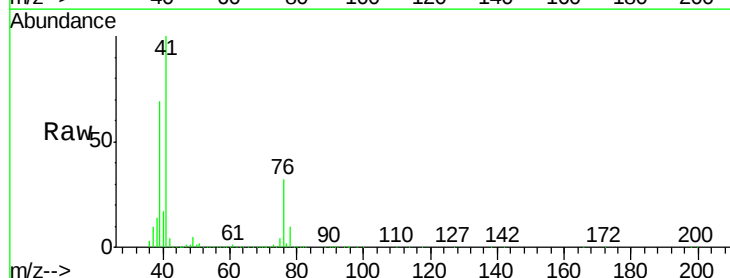
Tgt Ion: 41 Resp: 445370

Ion Ratio Lower Upper

41 100

39 64.7 46.1 69.1

76 29.8 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

300000

250000

200000

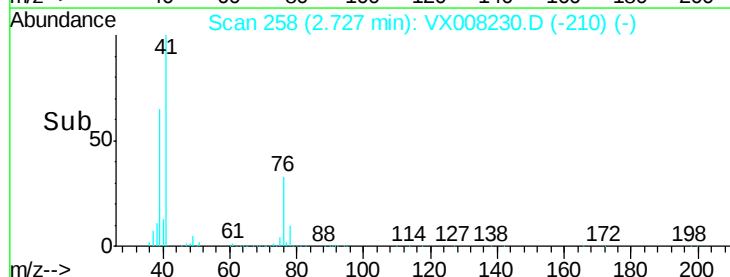
150000

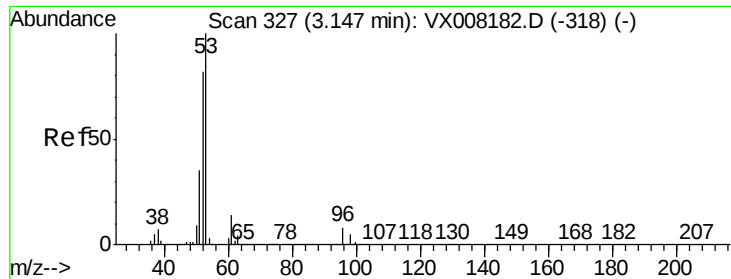
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 246.759 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

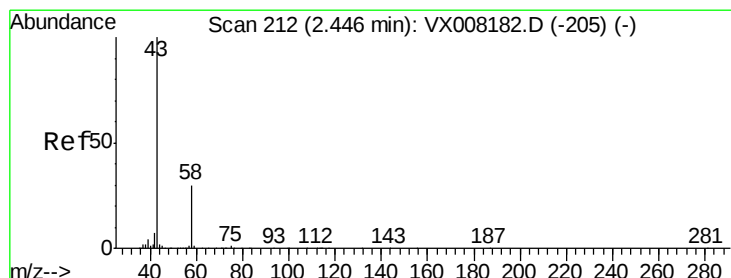
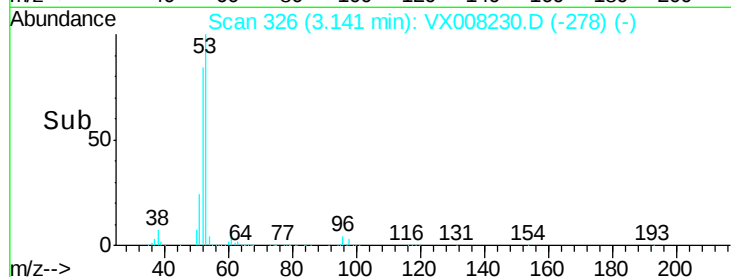
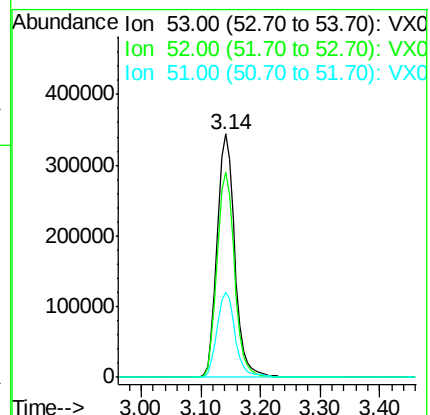
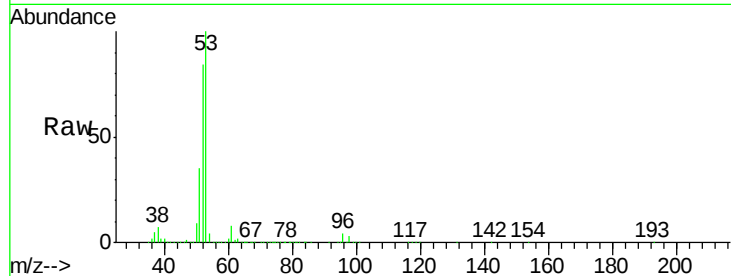
Tot Ion: 53 Resp: 701574

Ion Ratio Lower Upper

53 100

52 83.4 66.0 99.0

51 35.9 28.0 42.0



#16

Acetone

Concen: 285.080 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008230.D

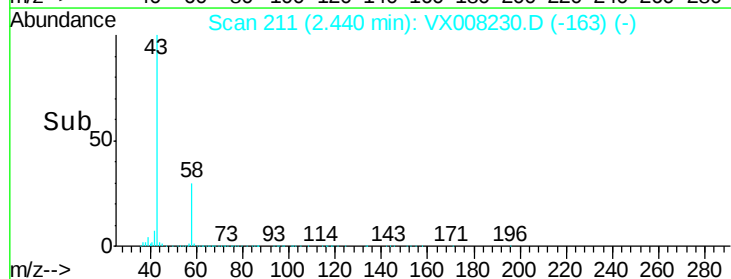
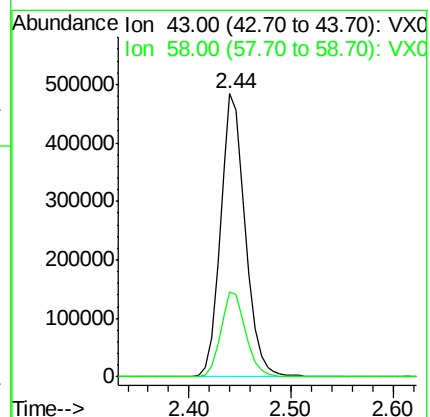
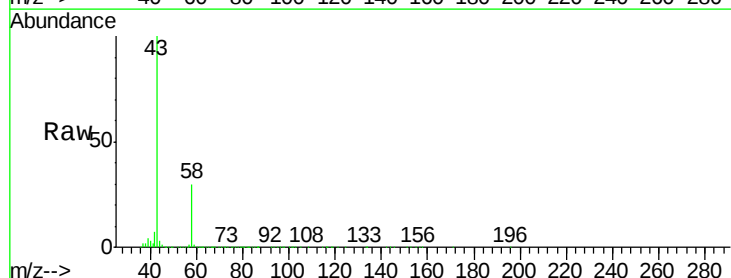
Acq: 20 Mar 2019 09:51

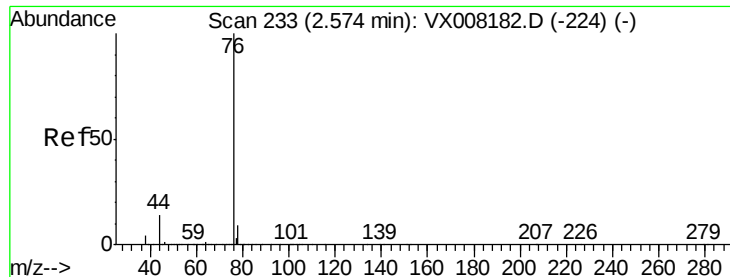
Tgt Ion: 43 Resp: 811860

Ion Ratio Lower Upper

43 100

58 30.2 25.5 38.3

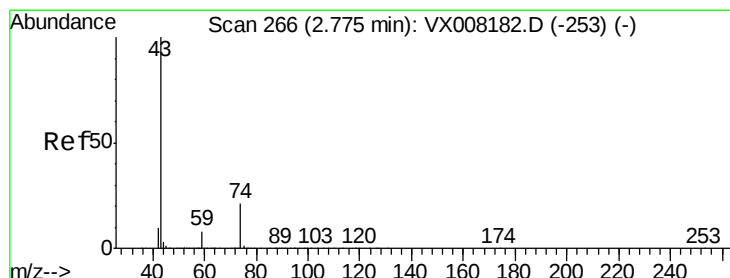
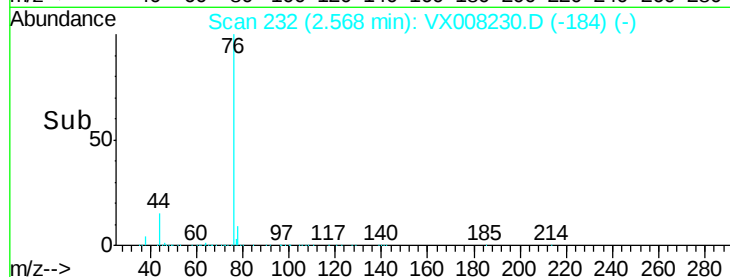
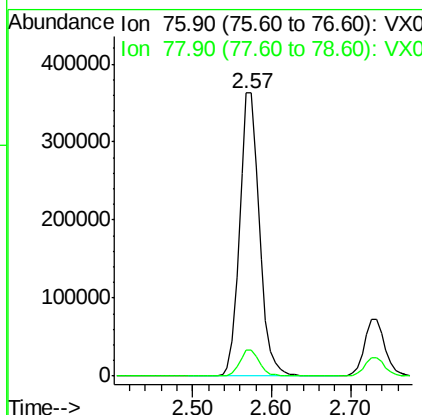
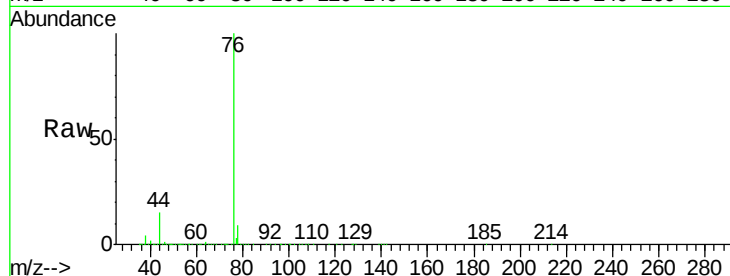




#17
Carbon Disulfide
Concen: 47.977 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

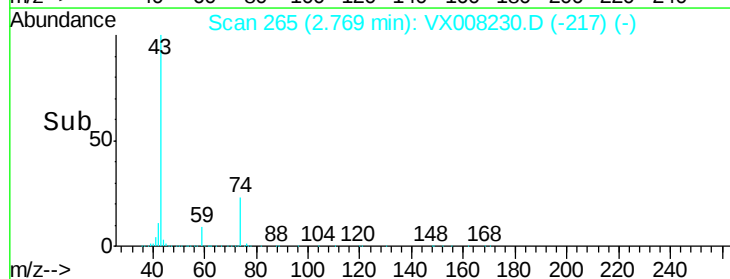
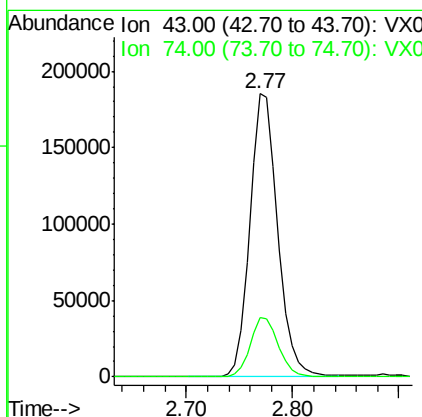
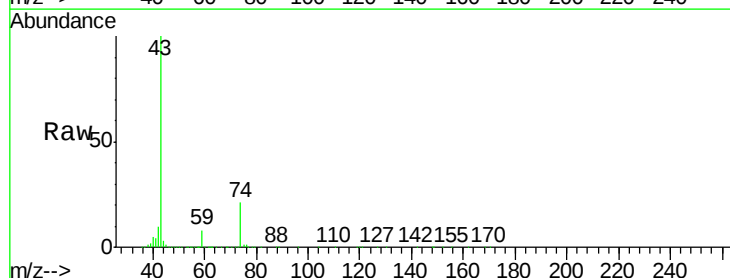
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

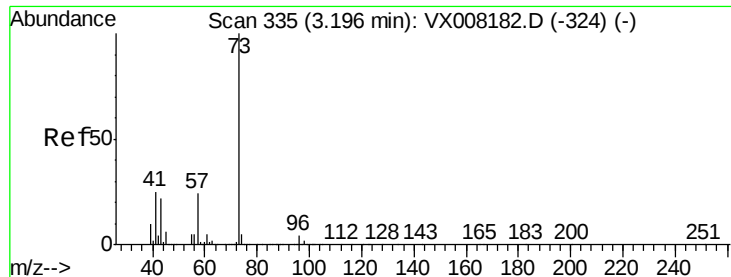
Tot Ion: 76 Resp: 633135
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 51.411 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 43 Resp: 338951
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.6

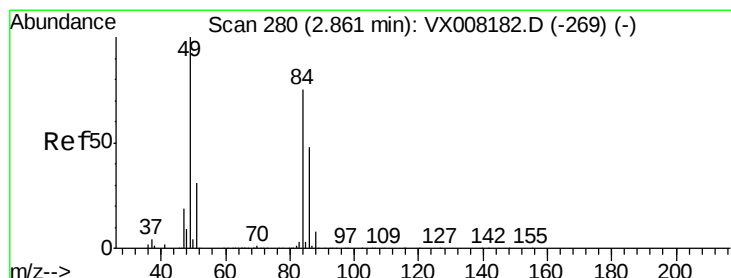
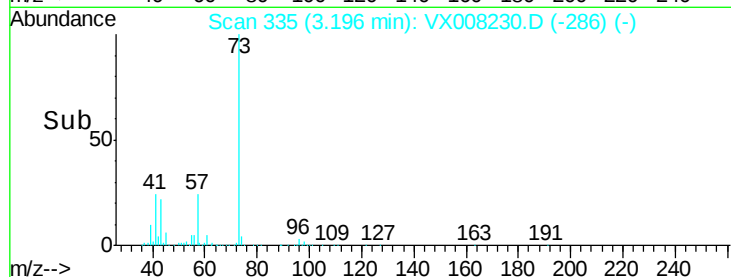
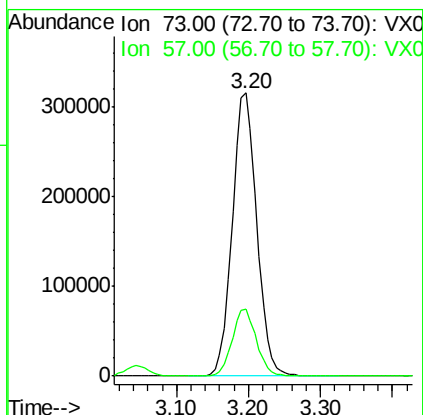
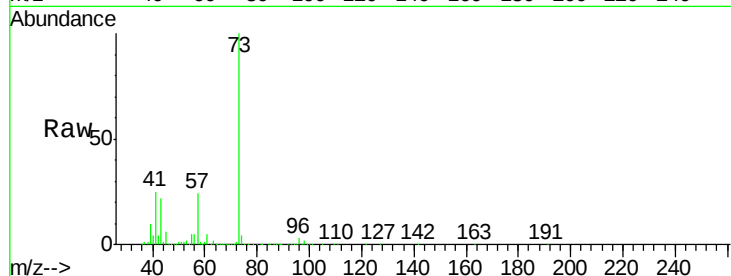




#19
Methyl tert-butyl Ether
Concen: 50.971 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

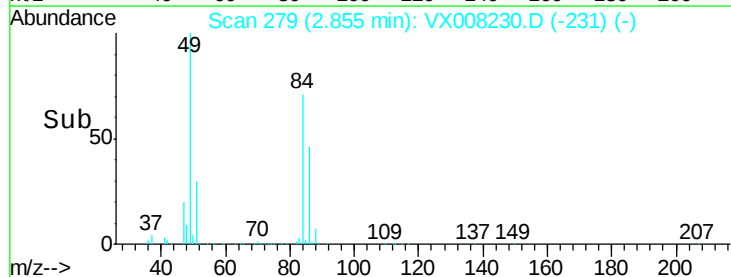
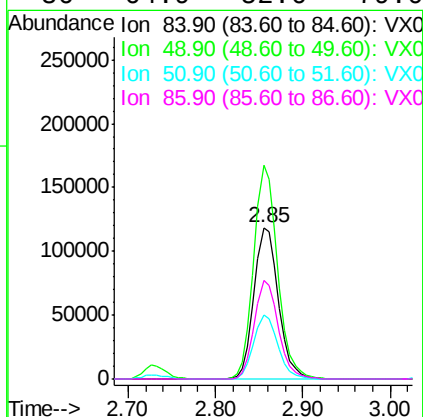
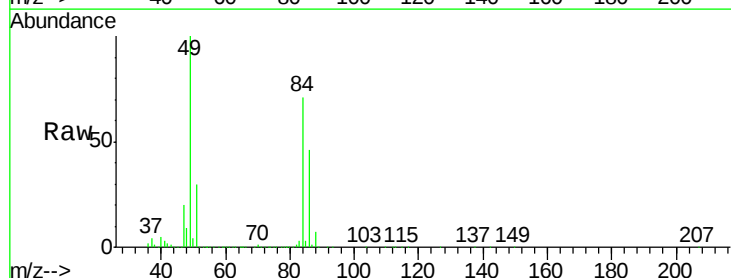
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

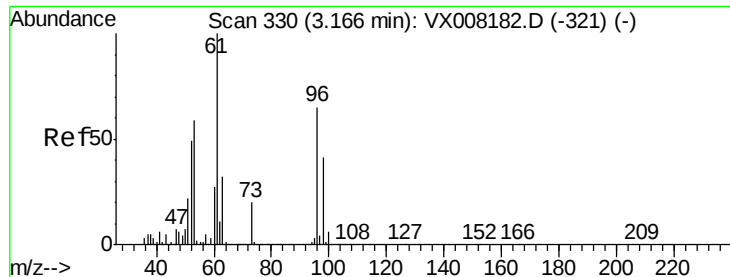
Tot Ion: 73 Resp: 74521
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.4



#20
Methylene Chloride
Concen: 48.596 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 84 Resp: 230775
Ion Ratio Lower Upper
84 100
49 140.9 99.3 148.9
51 42.5 31.3 46.9
86 64.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.270 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

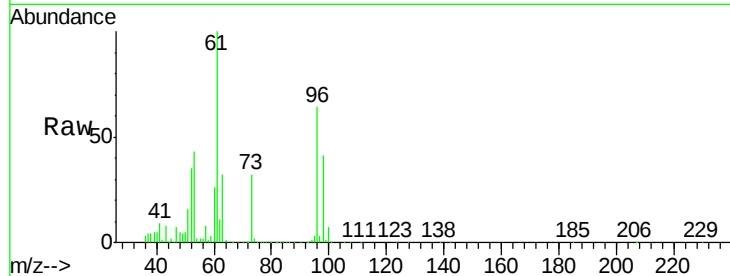
Tot Ion: 96 Resp: 215315

Ion Ratio Lower Upper

96 100

61 156.3 114.4 171.6

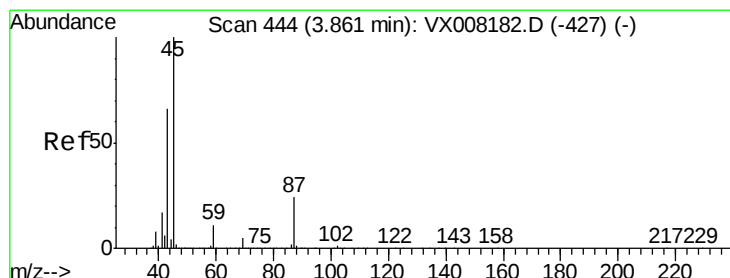
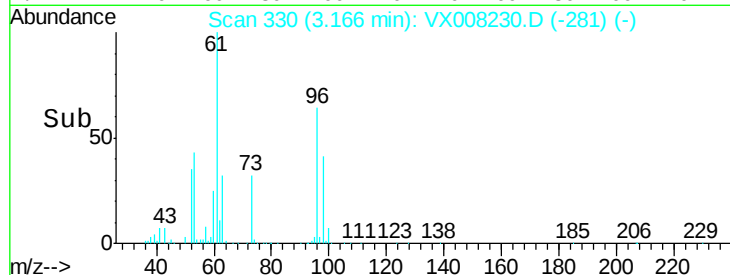
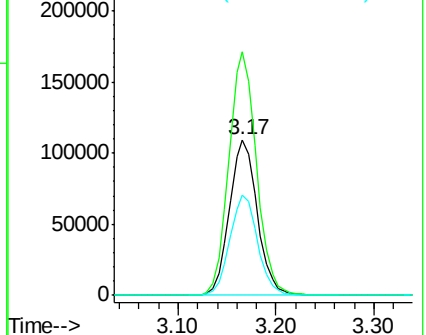
98 64.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.836 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion: 45 Resp: 876738

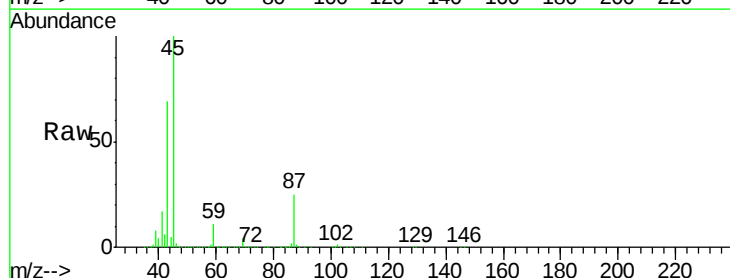
Ion Ratio Lower Upper

45 100

43 69.2 45.3 67.9#

87 24.7 21.4 32.0

59 11.0 9.5 14.3

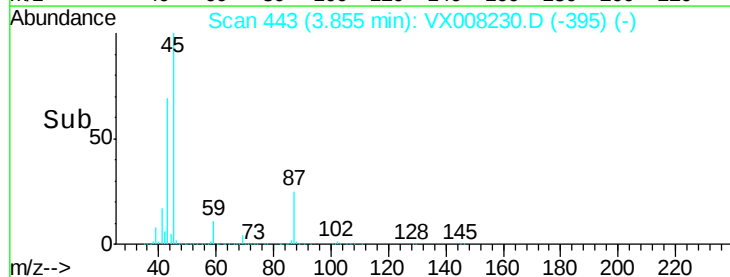
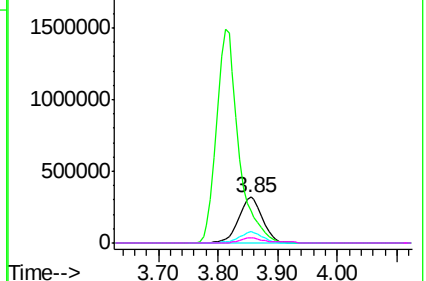


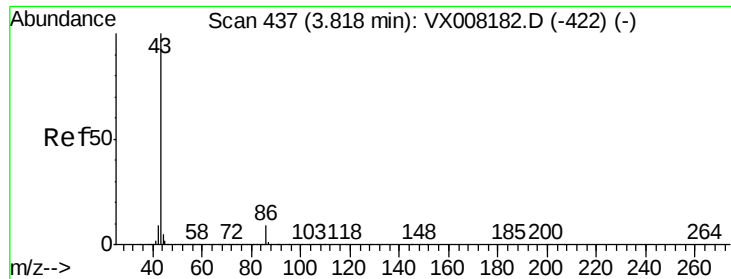
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 259.212 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

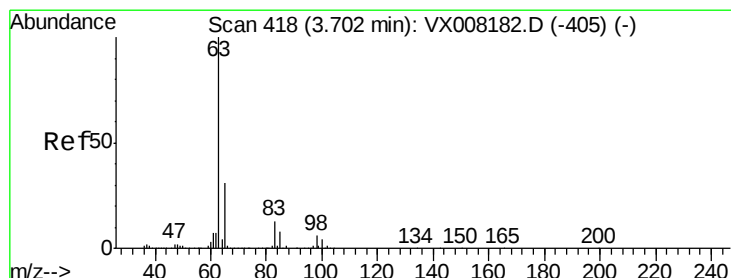
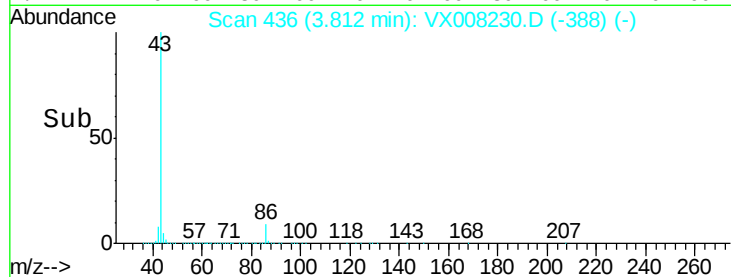
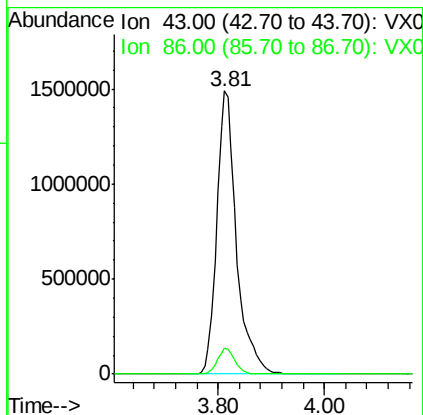
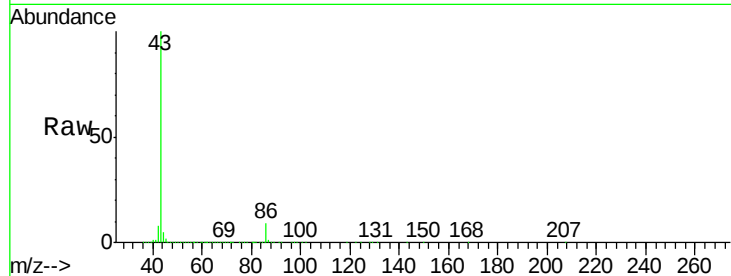
VSTDCCC050

Tot Ion: 43 Resp: 3832773

Ion Ratio Lower Upper

43 100

86 9.1 7.9 11.9



#24

1,1-Dichloroethane

Concen: 50.373 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

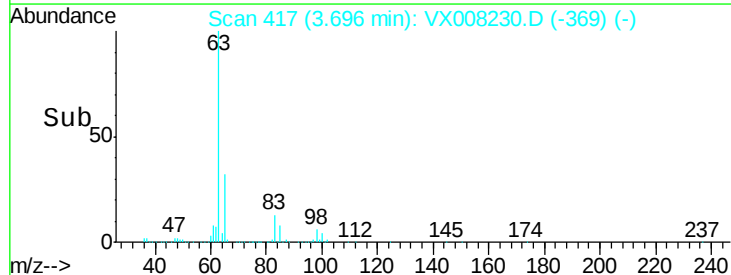
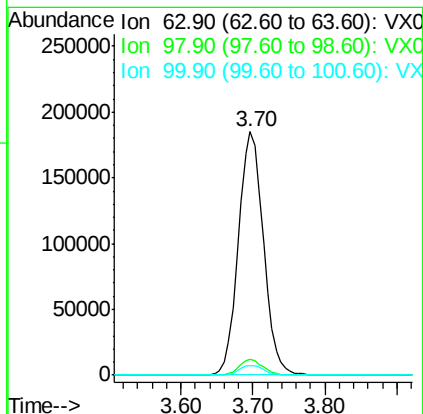
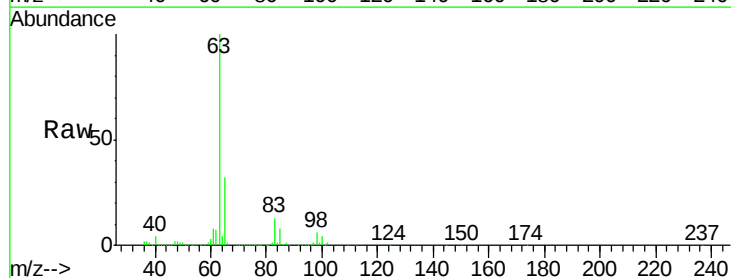
Tgt Ion: 63 Resp: 446822

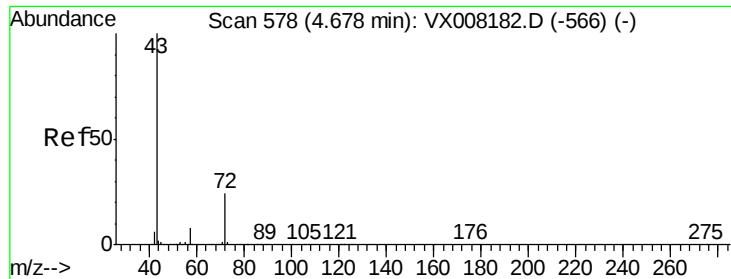
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 263.554 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

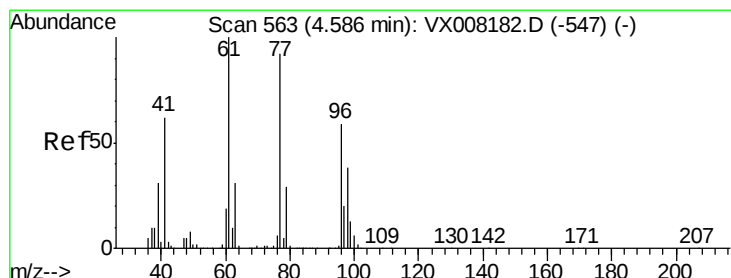
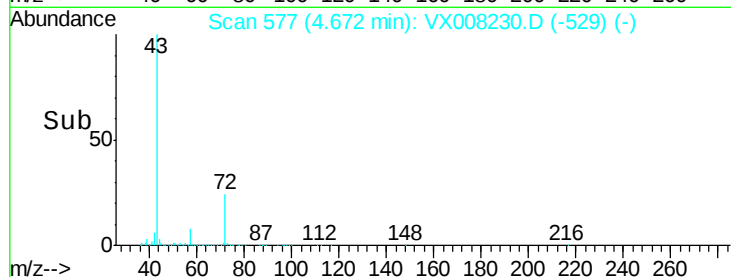
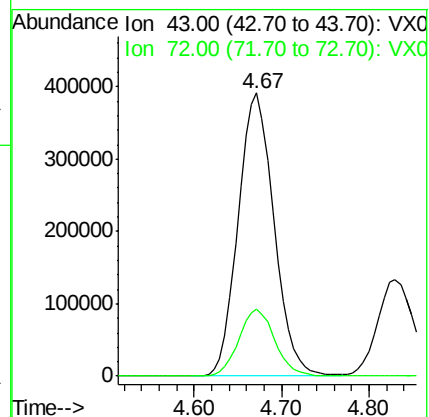
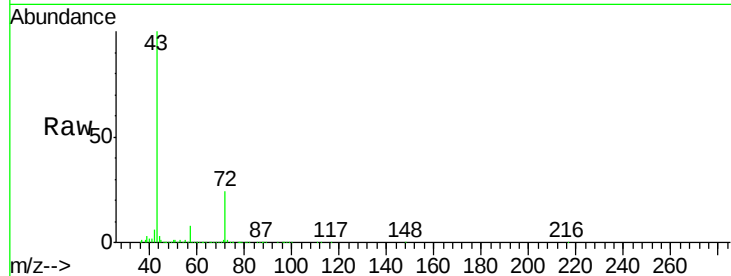
VSTDCCC050

Tot Ion: 43 Resp: 1107928

Ion Ratio Lower Upper

43 100

72 23.7 19.9 29.9



#26

2,2-Dichloropropane

Concen: 51.885 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008230.D

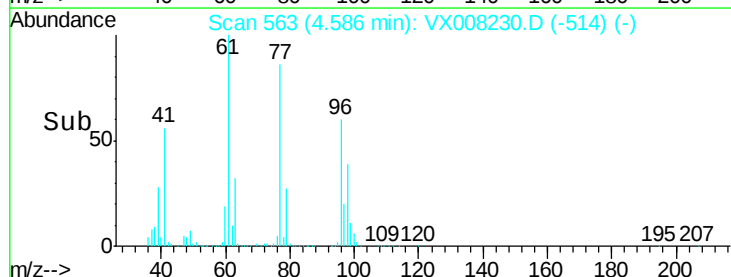
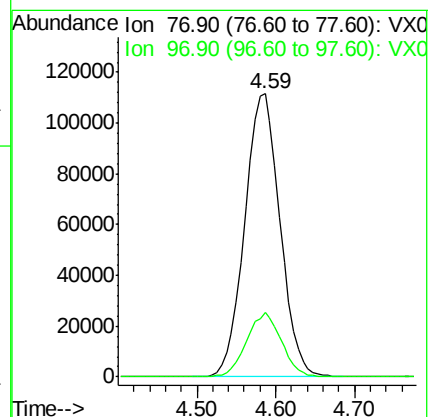
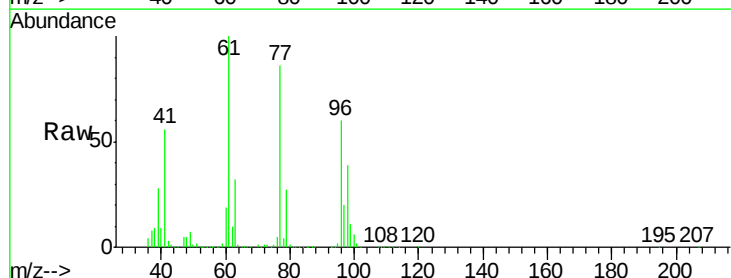
Acq: 20 Mar 2019 09:51

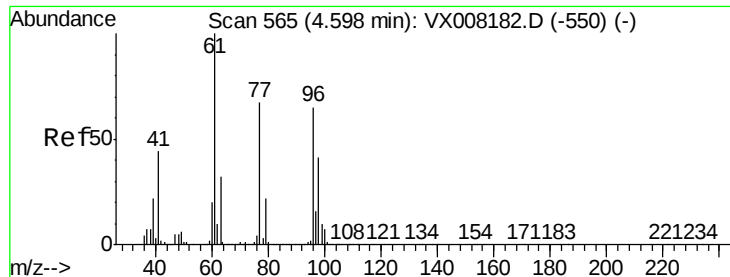
Tgt Ion: 77 Resp: 346703

Ion Ratio Lower Upper

77 100

97 22.5 12.2 36.6



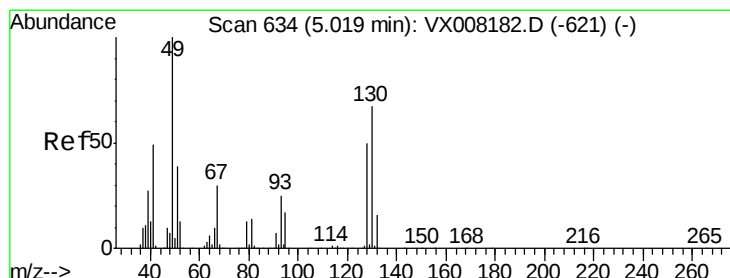
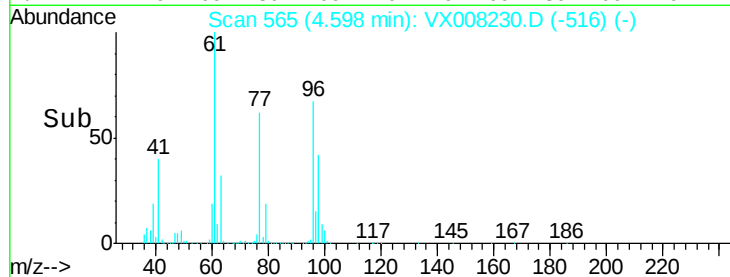
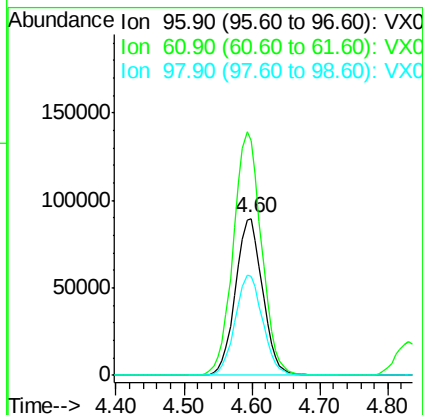
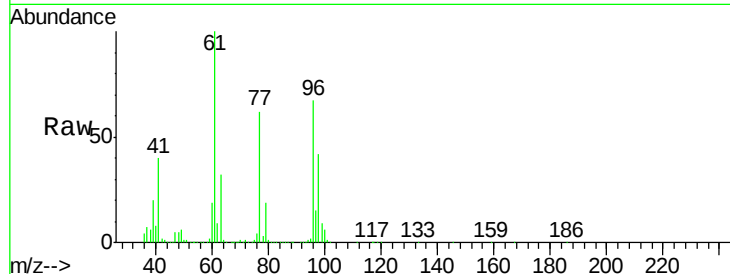


#27

cis-1,2-Dichloroethene
Concen: 49.919 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

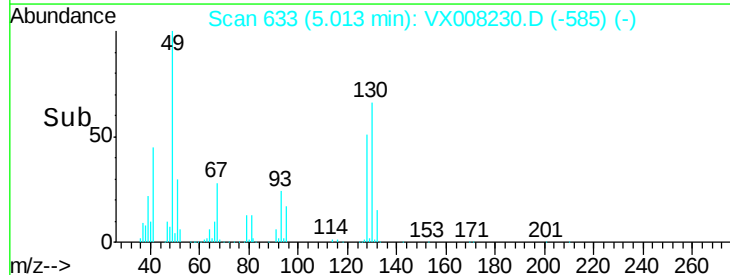
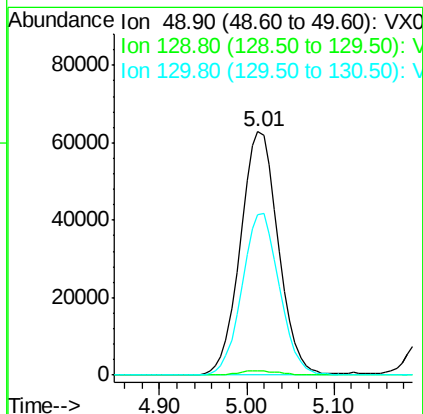
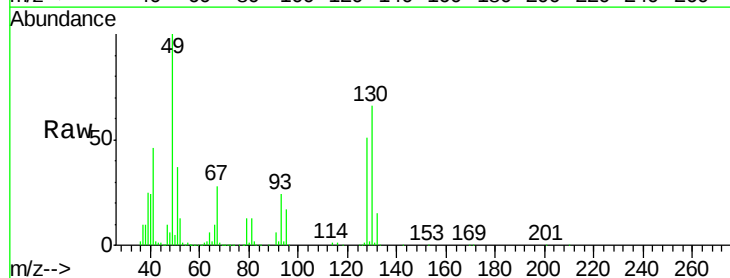
Tot Ion	96	Resp	248690
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	288.0
98	64.5	0.0	129.0

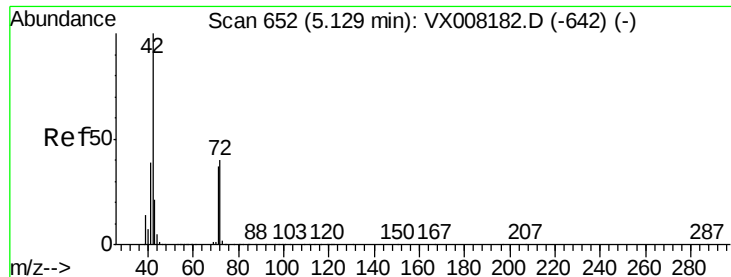


#28

Bromochloromethane
Concen: 47.697 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	49	Resp	189979
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	65.3	65.0	97.4





#29

Tetrahydrofuran

Concen: 255.585 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

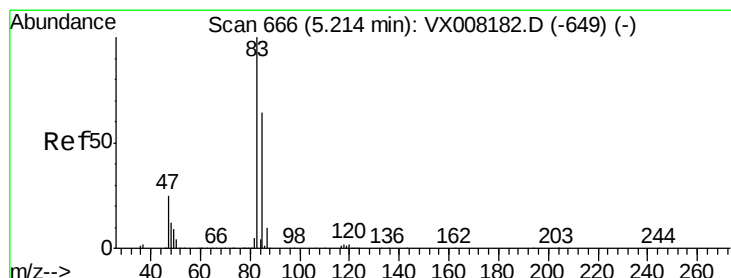
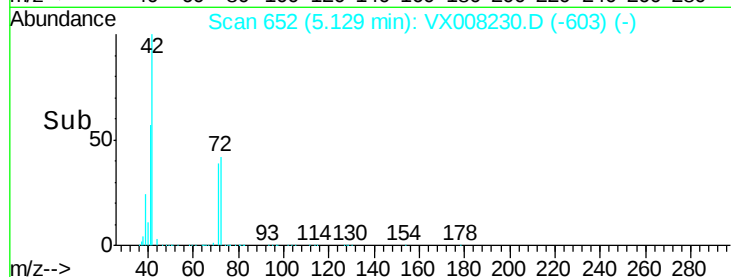
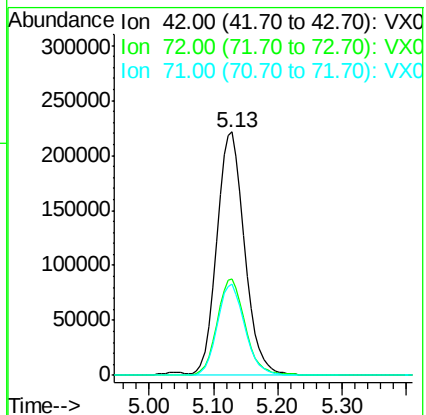
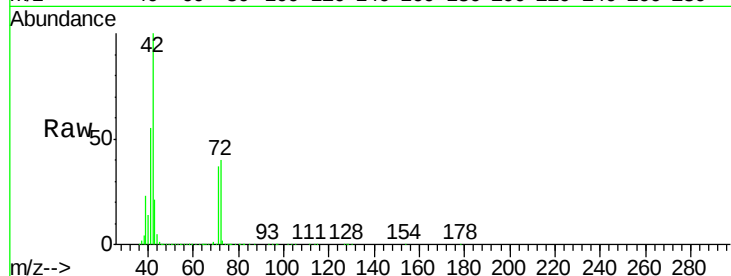
Tot Ion: 42 Resp: 671658

Ion Ratio Lower Upper

42 100

72 40.1 33.8 50.6

71 37.4 31.5 47.3



#30

Chloroform

Concen: 50.825 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX008230.D

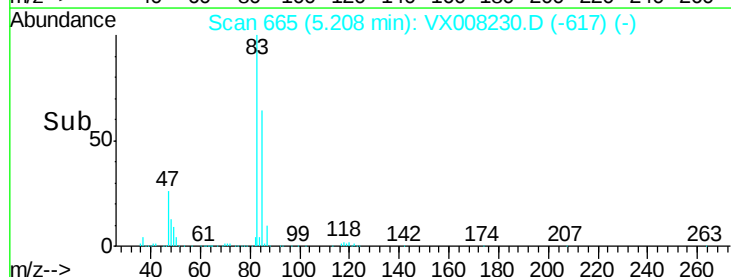
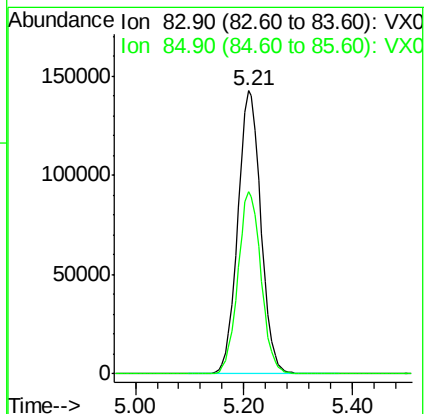
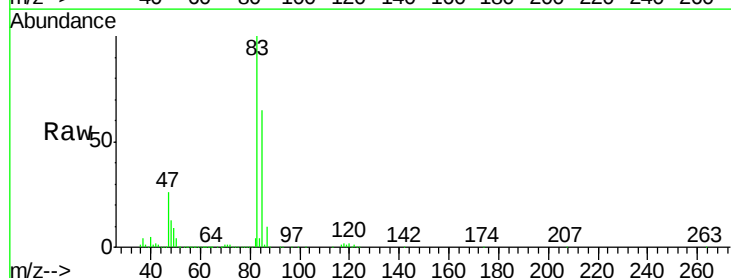
Acq: 20 Mar 2019 09:51

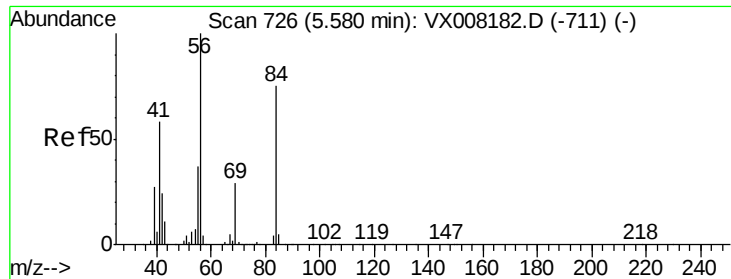
Tgt Ion: 83 Resp: 421709

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.6

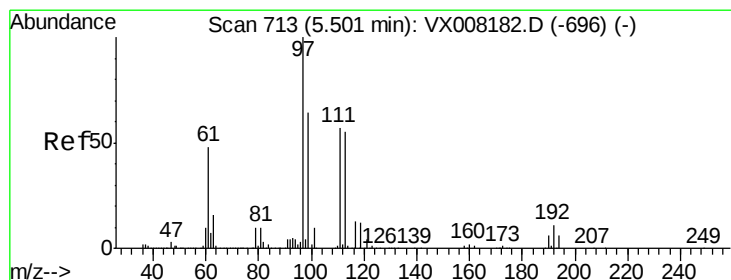
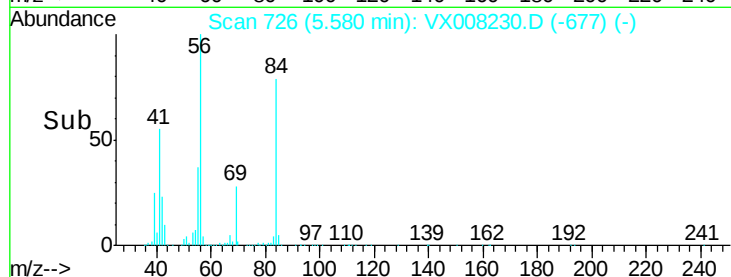
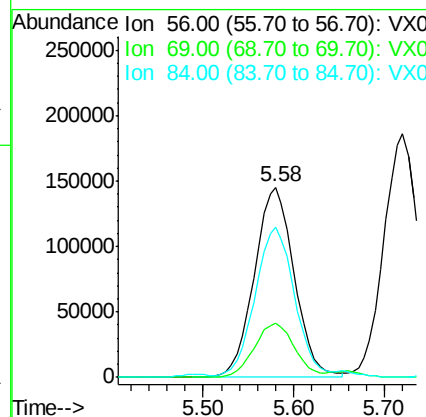
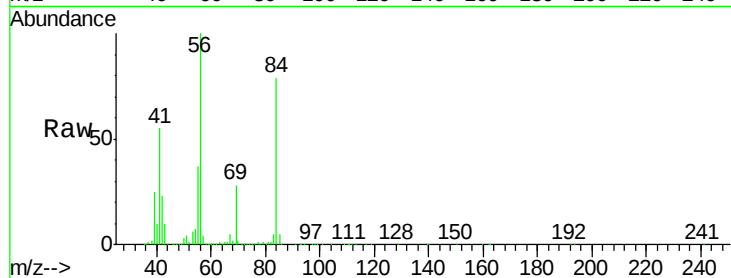




#31
Cyclohexane
Concen: 52.868 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

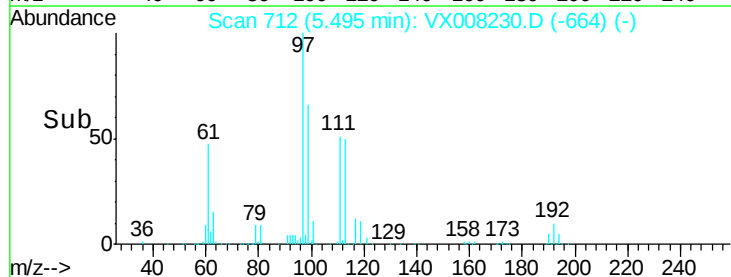
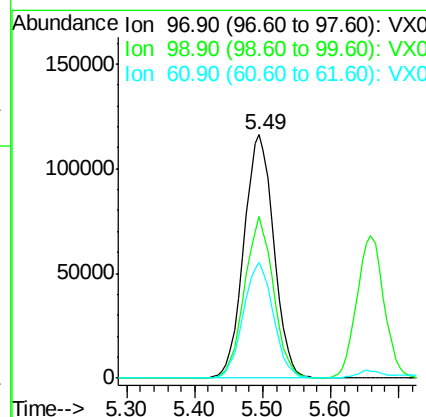
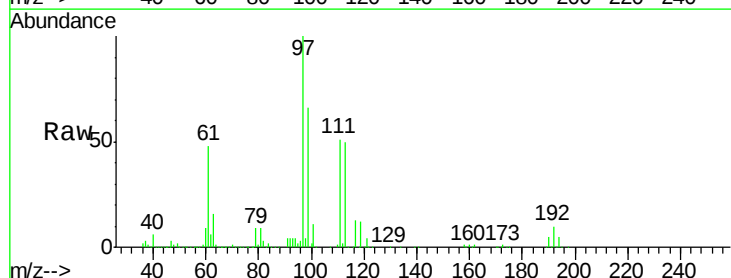
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

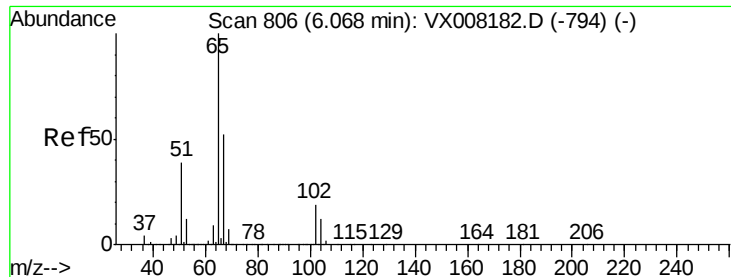
Tot Ion: 56 Resp: 440359
Ion Ratio Lower Upper
56 100
69 28.4 24.0 36.0
84 77.7 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 51.457 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 97 Resp: 355169
Ion Ratio Lower Upper
97 100
99 64.1 52.2 78.2
61 48.0 34.9 52.3

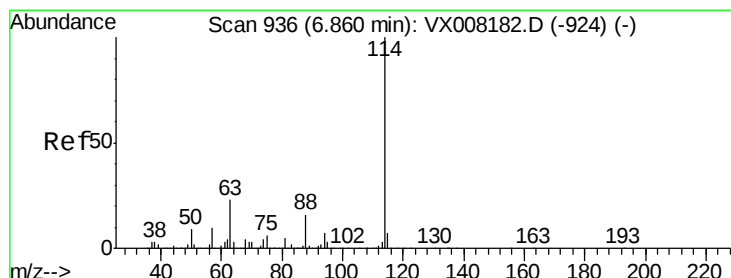
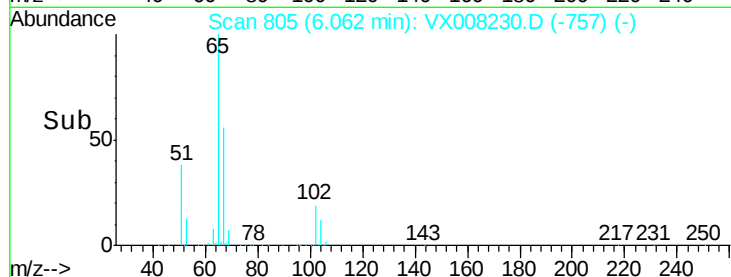
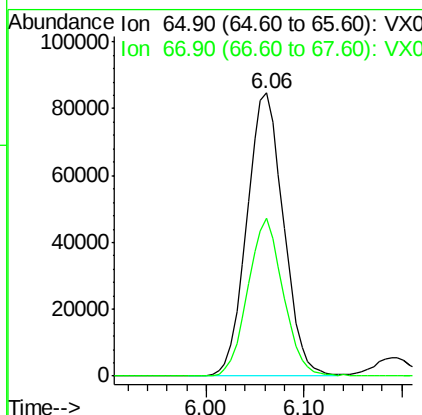
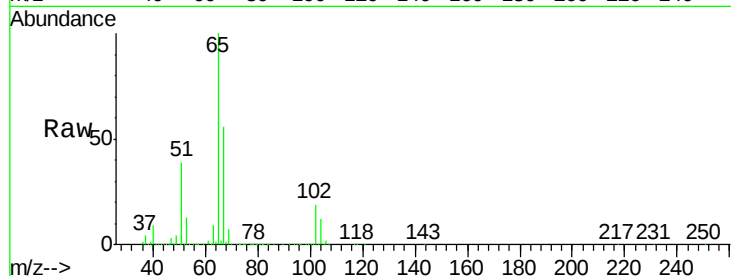




#33
 1,2-Dichloroethane-d4
 Concen: 43.926 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

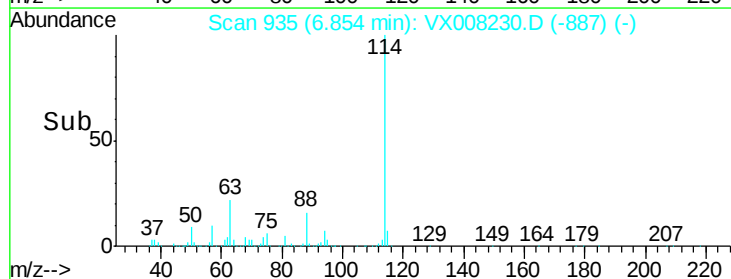
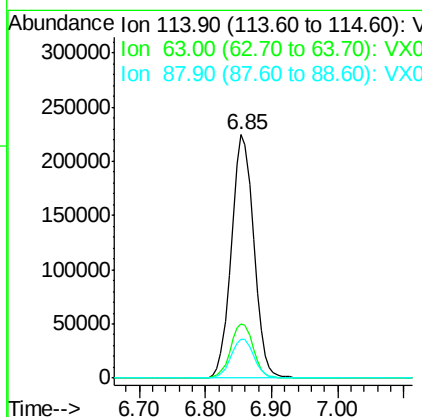
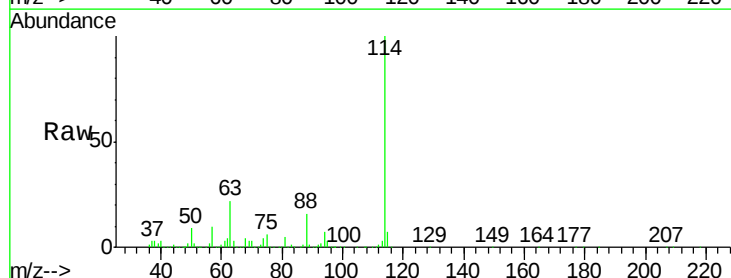
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

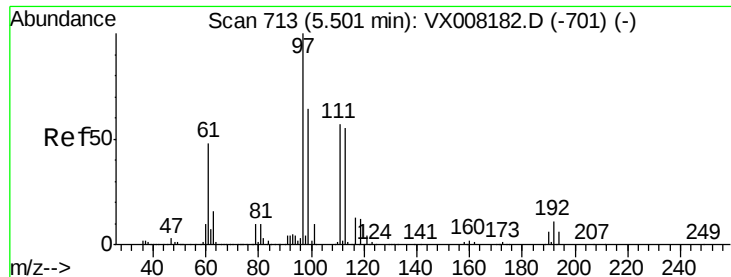
Tot Ion: 65 Resp: 220562
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 114 Resp: 529340
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 39.8
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.851 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

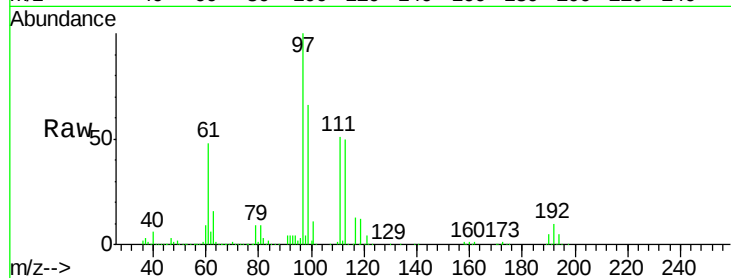
Tot Ion:113 Resp: 166020

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

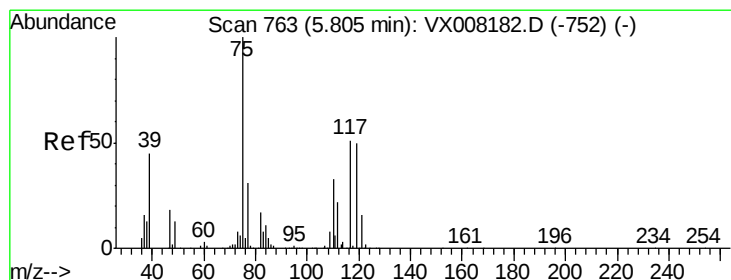
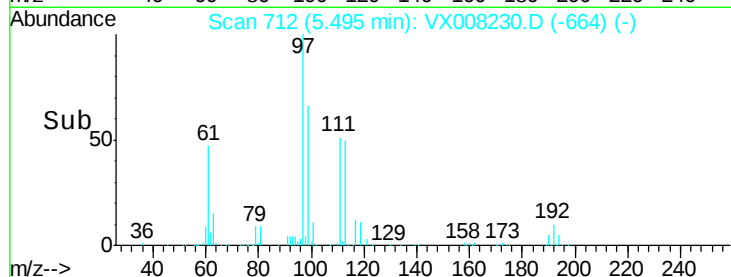
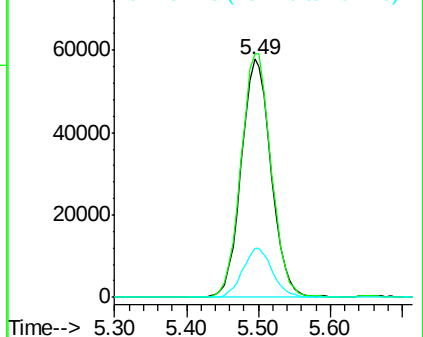
192 20.6 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.909 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

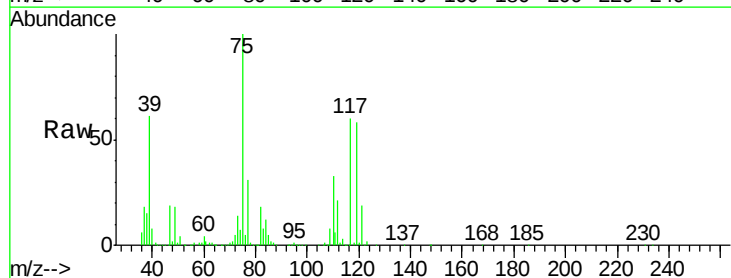
Tgt Ion: 75 Resp: 332235

Ion Ratio Lower Upper

75 100

110 33.5 18.4 55.0

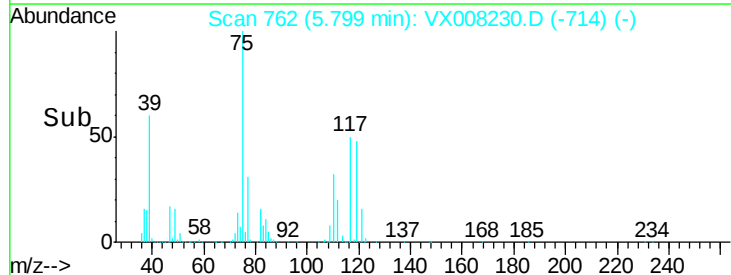
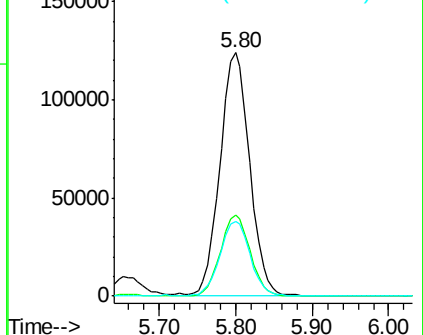
77 31.1 25.0 37.4

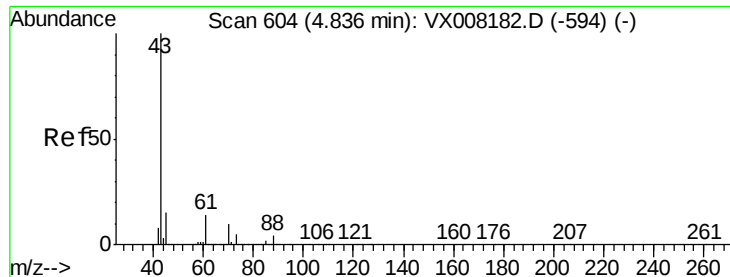


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

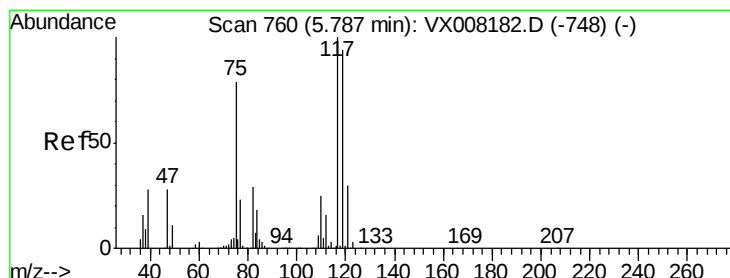
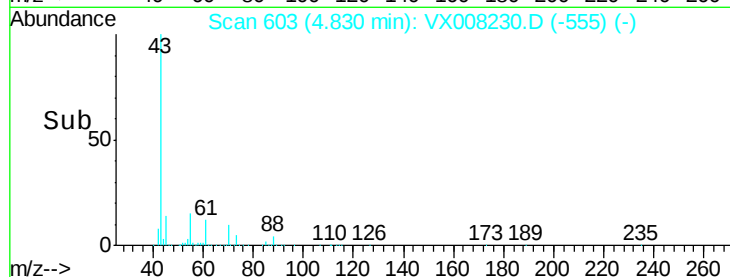
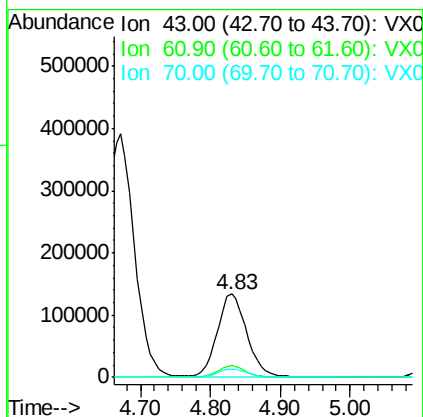
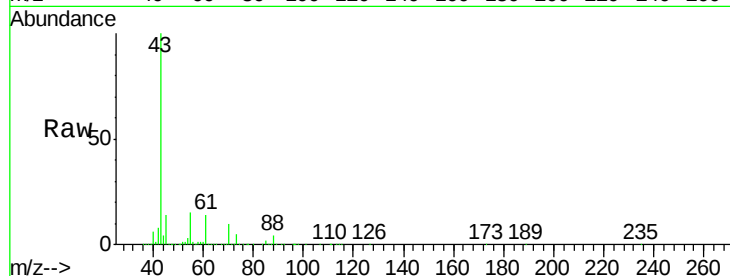




#37
Ethyl Acetate
Concen: 53.895 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

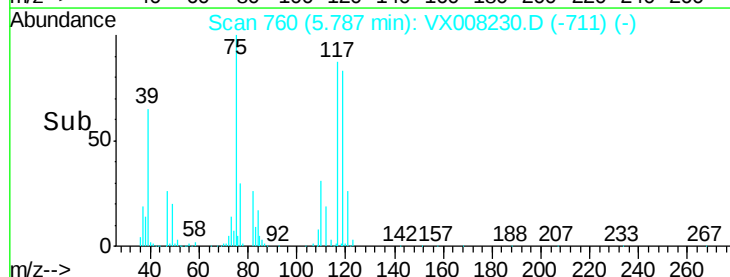
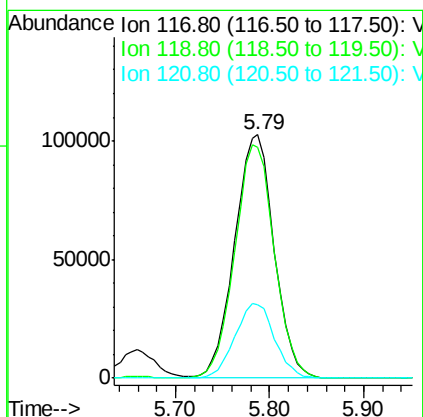
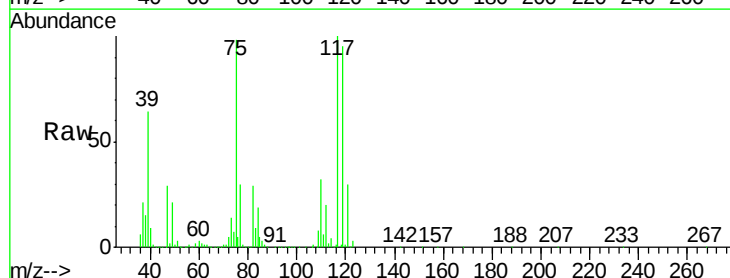
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

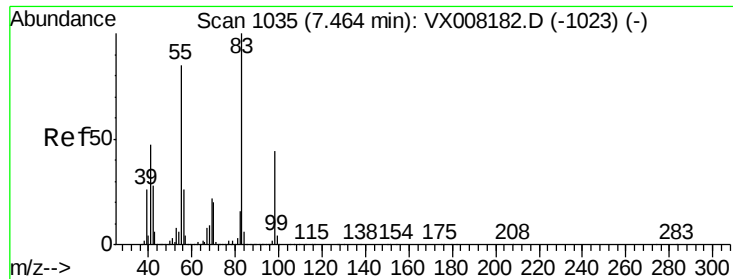
Tot Ion: 43 Resp: 392638
Ion Ratio Lower Upper
43 100
61 13.5 11.3 16.9
70 9.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 54.493 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 117 Resp: 299229
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.2
121 29.9 24.6 36.8

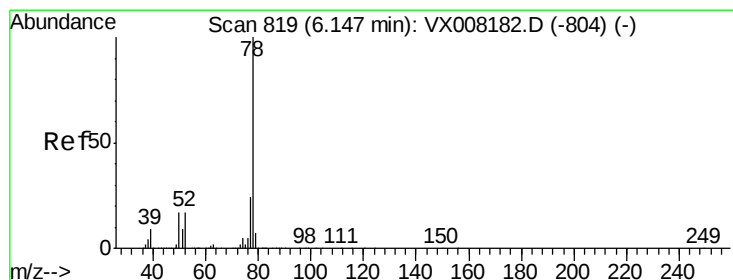
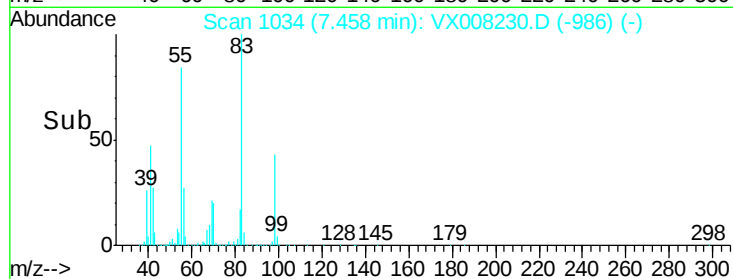
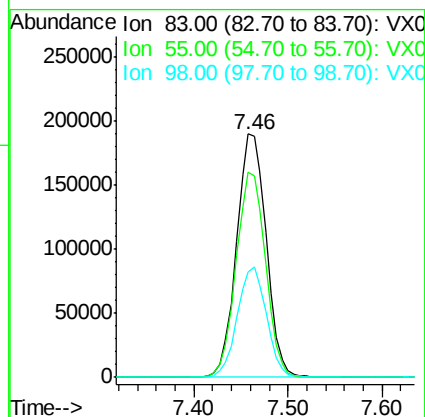
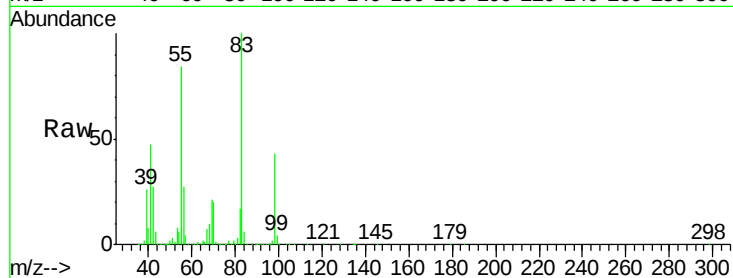




#39
Methvlcvclohexane
Concen: 56.379 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

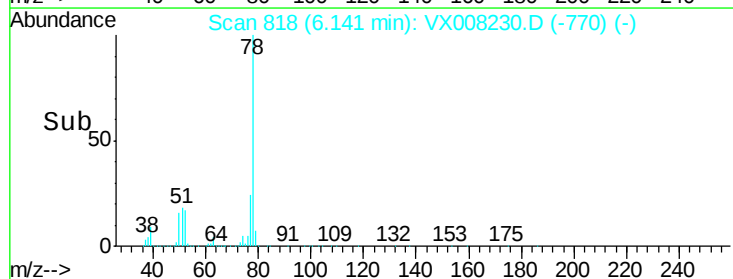
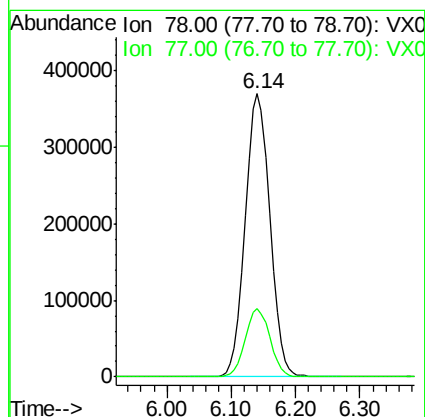
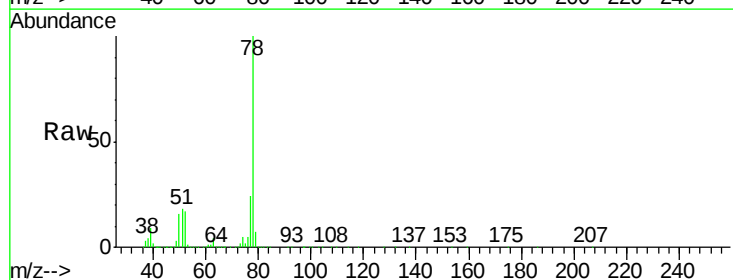
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

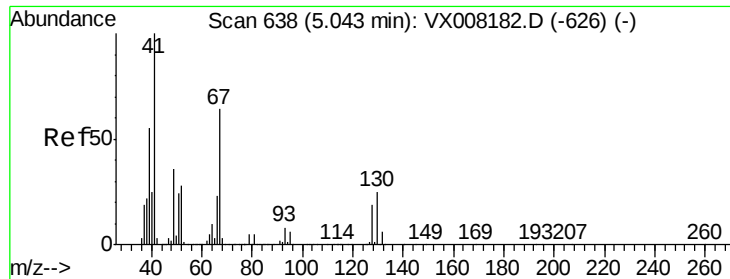
Tot Ion: 83 Resp: 418132
Ion Ratio Lower Upper
83 100
55 84.2 60.4 90.6
98 43.4 36.5 54.7



#40
Benzene
Concen: 53.135 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 78 Resp: 969222
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

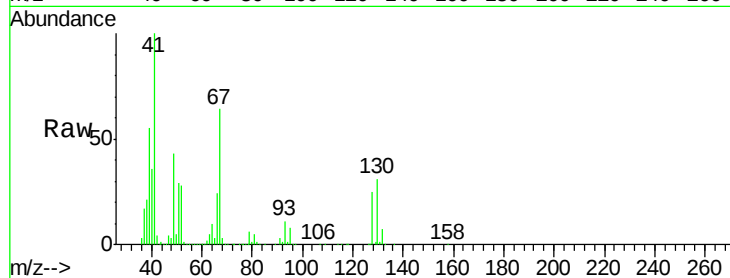




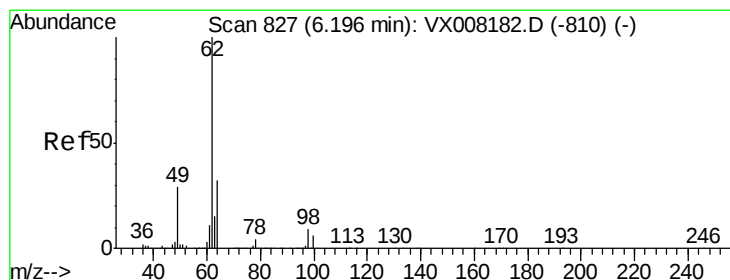
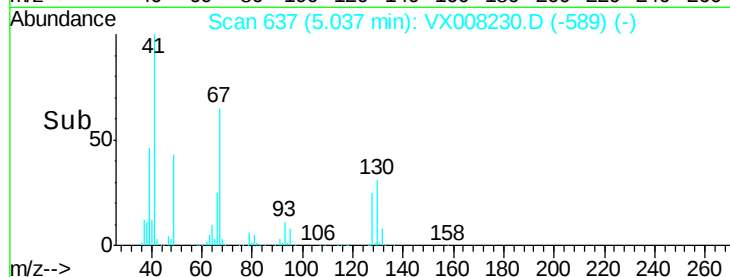
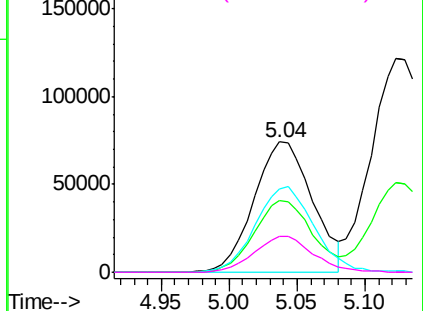
#41
Methacrylonitrile
Concen: 54.316 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	221962
Ion	Ratio	Lower	Upper
41	100		
39	54.3	41.6	62.4
67	66.1	55.8	83.6
52	27.7	21.7	32.5

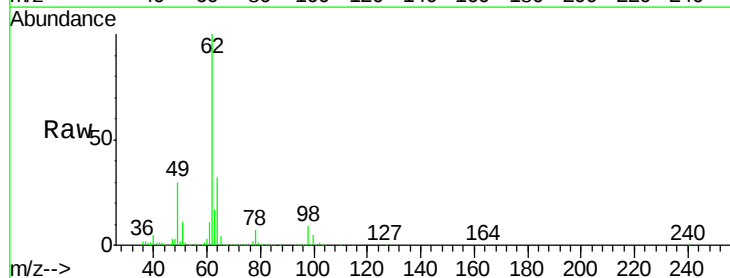


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

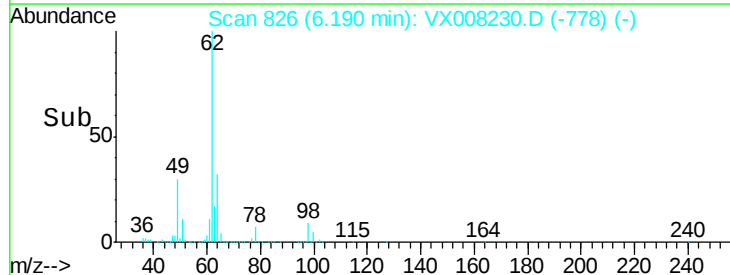
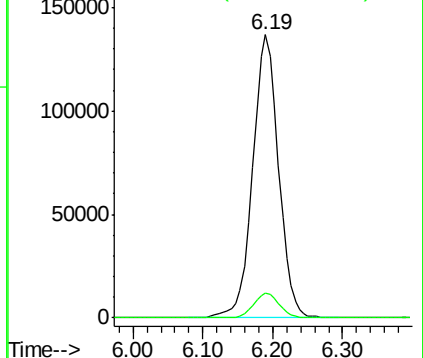


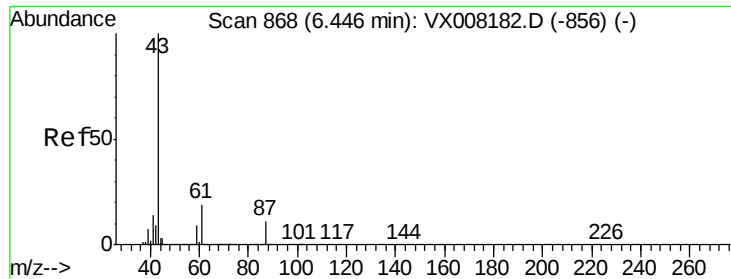
#42
1,2-Dichloroethane
Concen: 52.446 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:	62	Resp:	350451
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.4



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



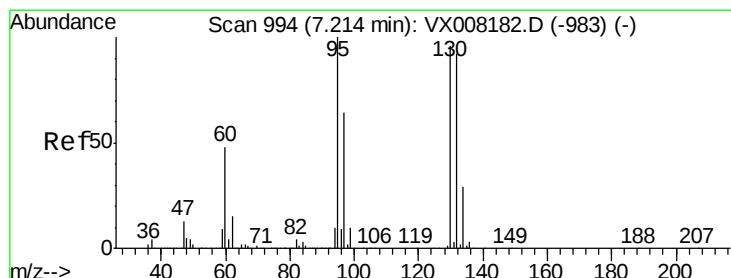
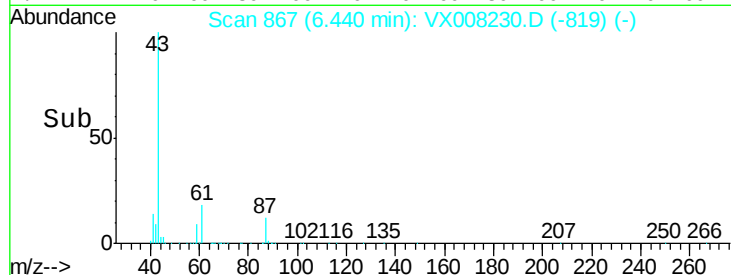
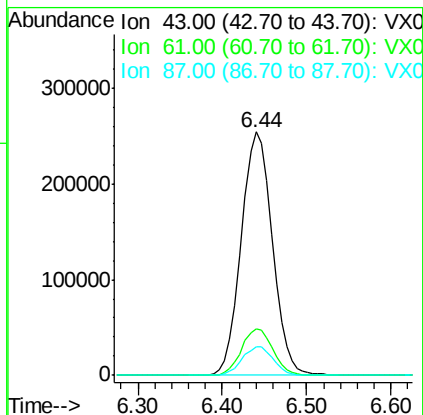
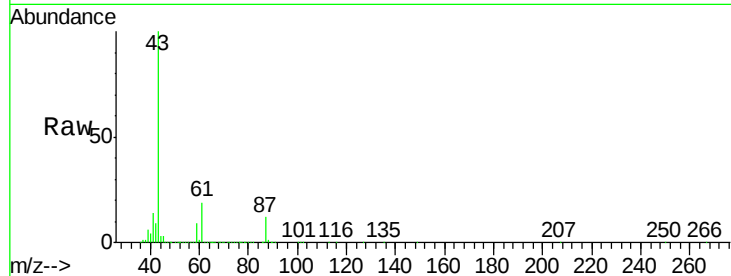


#43

Isopropyl Acetate
 Concen: 54.506 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

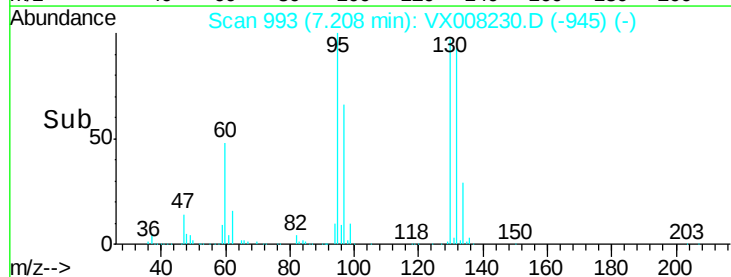
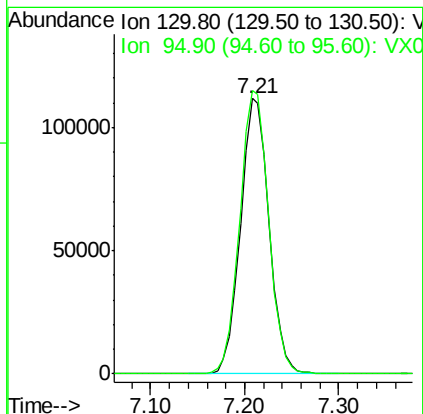
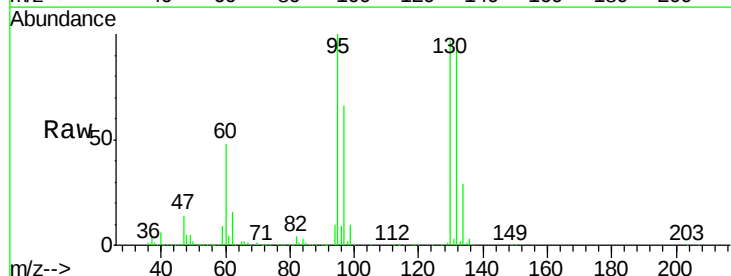
Tot Ion: 43 Resp: 636492
 Ion Ratio Lower Upper
 43 100
 61 19.4 16.3 24.5
 87 11.8 10.5 15.7

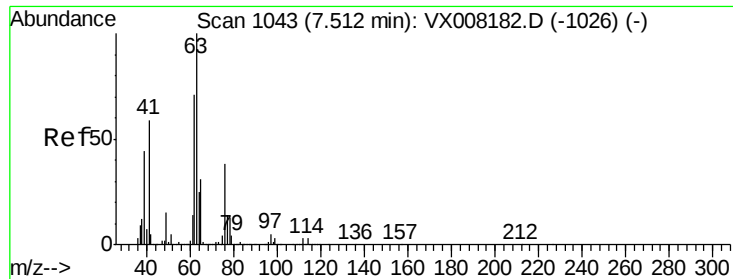


#44

Trichloroethene
 Concen: 53.024 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 130 Resp: 236493
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 188.0

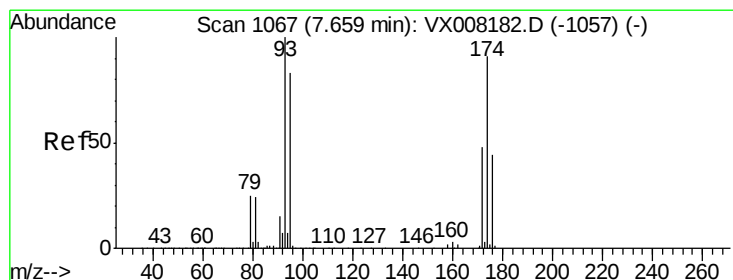
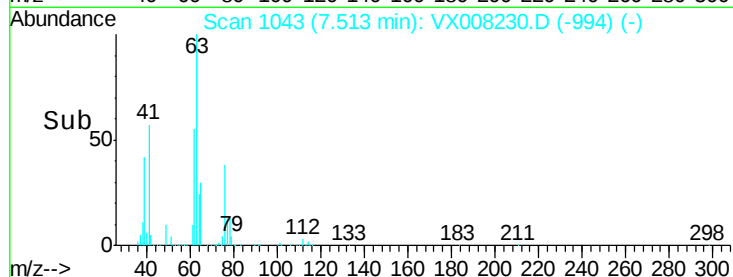
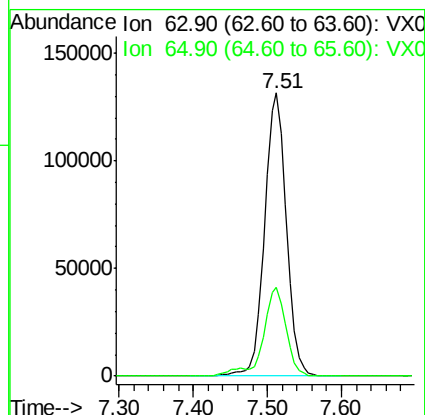
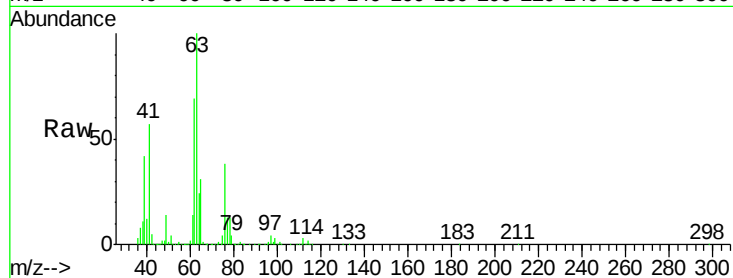




#45
 1,2-Dichloropropane
 Concen: 52.714 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

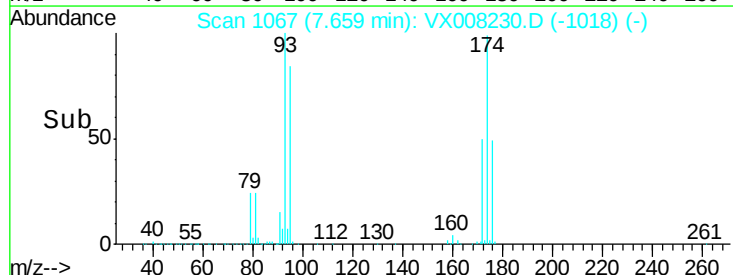
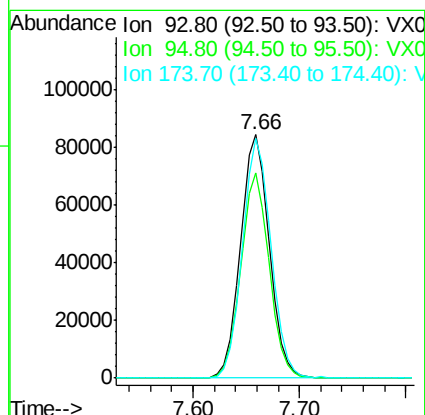
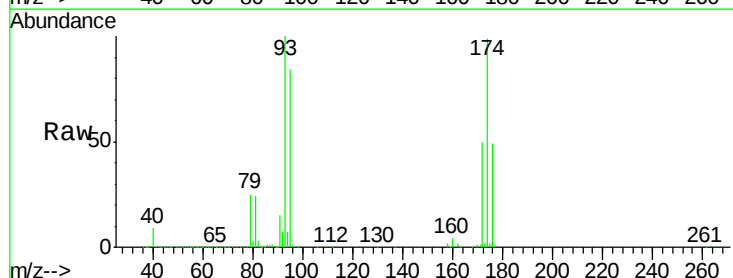
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

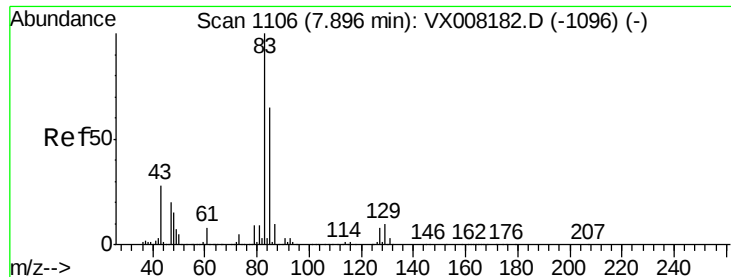
Tot Ion: 63 Resp: 269177
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1



#46
 Dibromomethane
 Concen: 51.953 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 93 Resp: 160624
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 98.1 97.3 145.9

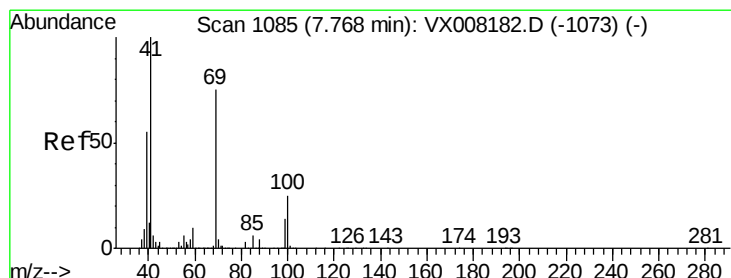
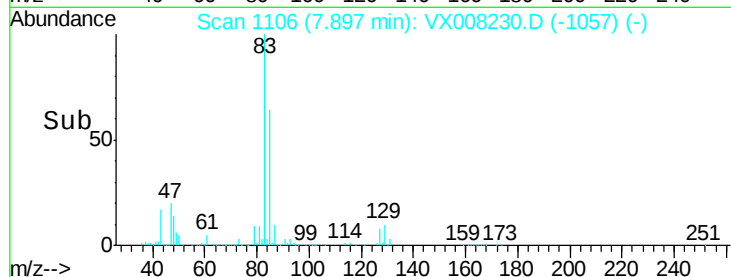
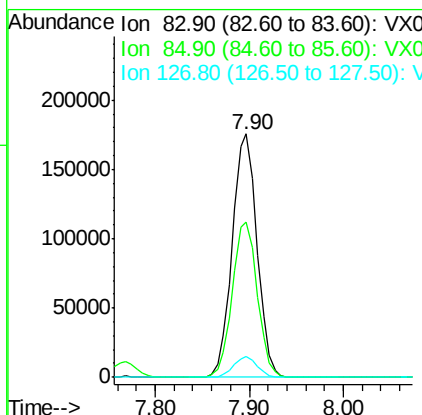
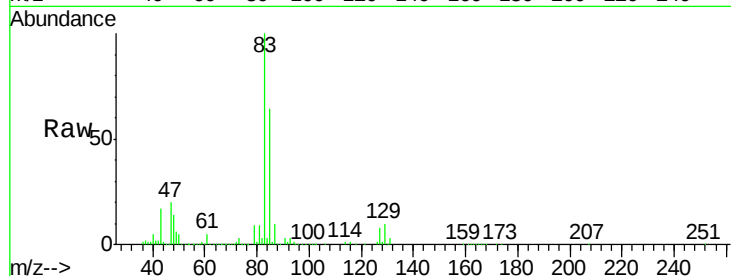




#47
 Bromodichloromethane
 Concen: 54.272 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

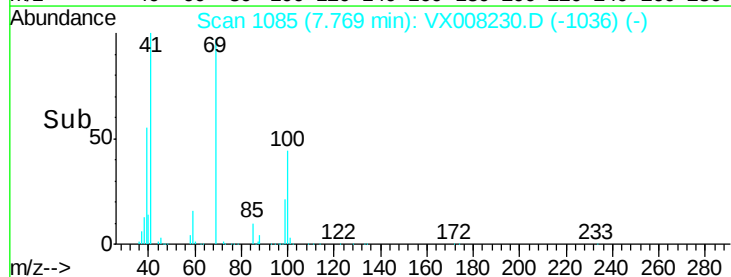
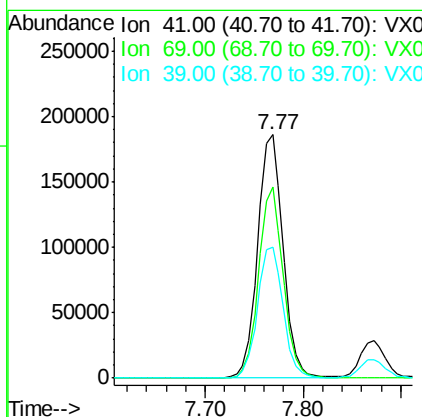
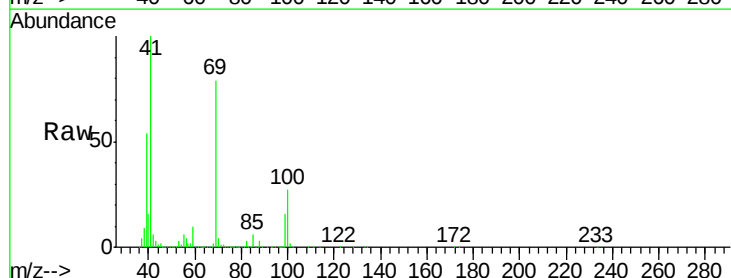
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

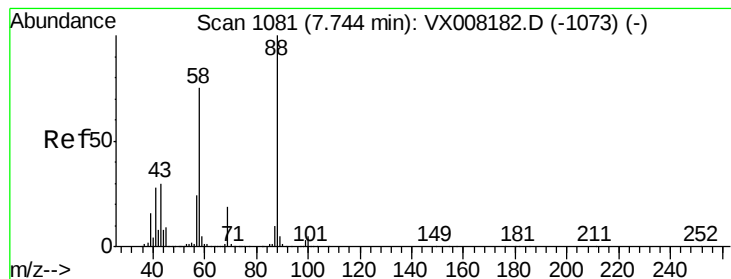
Tot Ion: 83 Resp: 319780
 Ion Ratio Lower Upper
 83 100
 85 63.8 50.9 76.3
 127 8.5 7.4 11.0



#48
 Methyl methacrylate
 Concen: 54.342 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 41 Resp: 337412
 Ion Ratio Lower Upper
 41 100
 69 76.2 65.2 97.8
 39 54.2 39.4 59.2





#49

1,4-Dioxane

Concen: 999.567 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

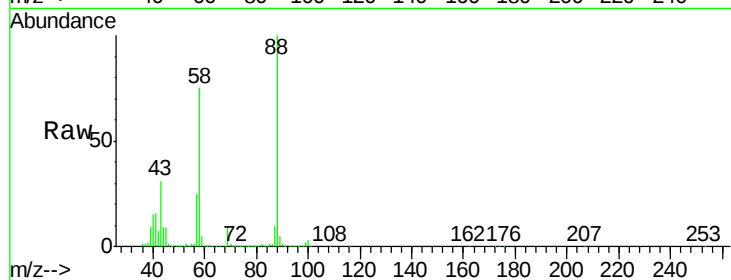
Tot Ion: 88 Resp: 109521

Ion Ratio Lower Upper

88 100

43 37.7 25.1 37.7

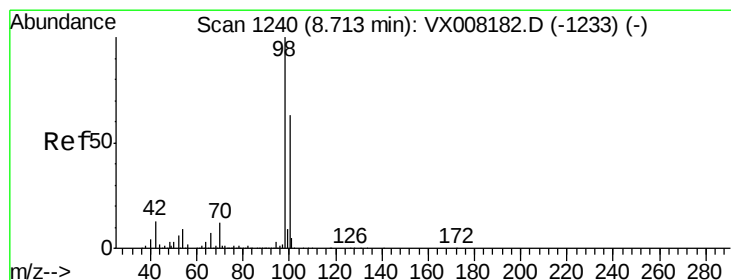
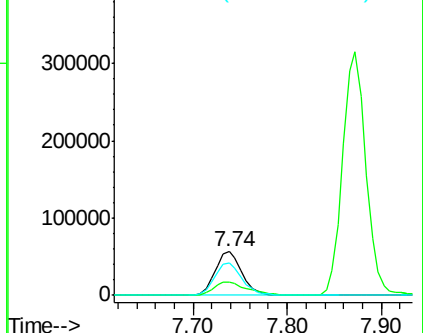
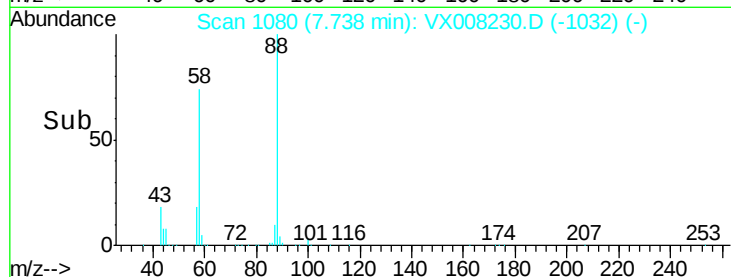
58 79.1 57.8 86.6



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: 47.993 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008230.D

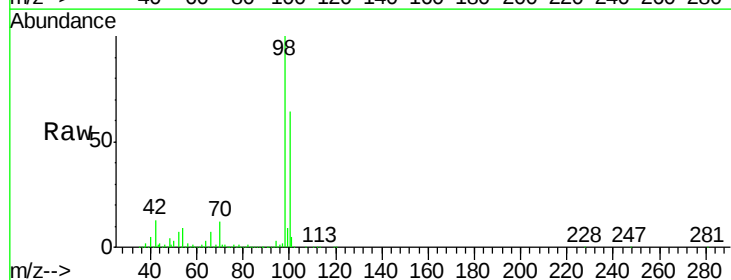
Acq: 20 Mar 2019 09:51

Tgt Ion: 98 Resp: 644789

Ion Ratio Lower Upper

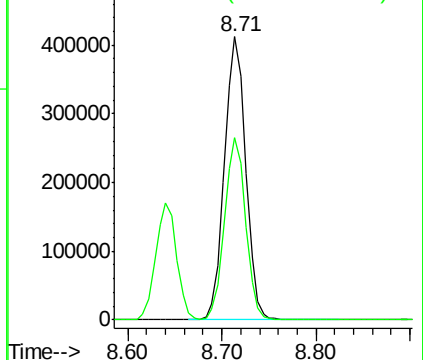
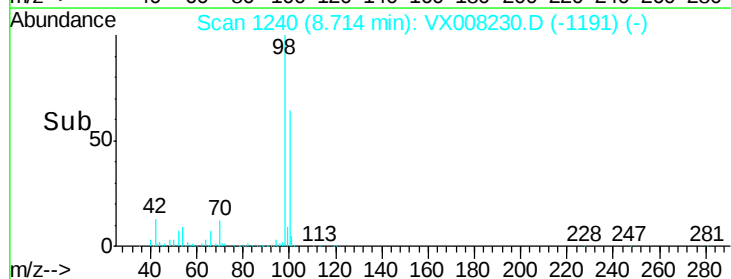
98 100

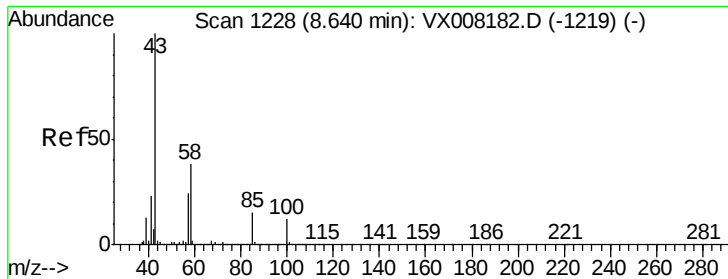
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 270.231 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

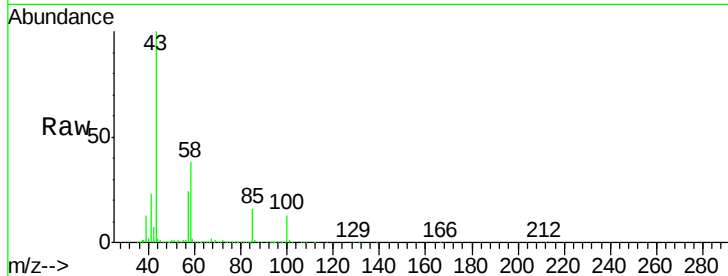
VSTDCCC050

Tot Ion: 43 Resp: 2040060

Ion Ratio Lower Upper

43 100

58 37.6 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

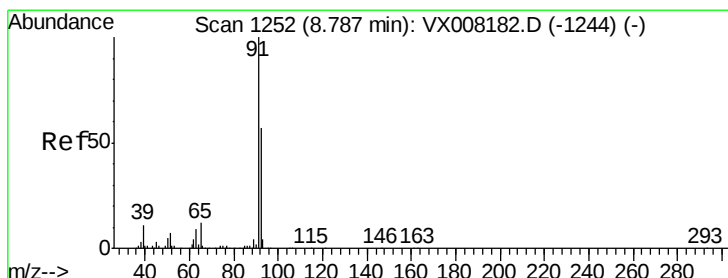
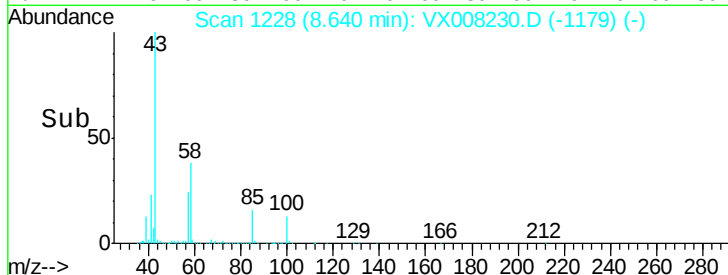
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 54.017 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008230.D

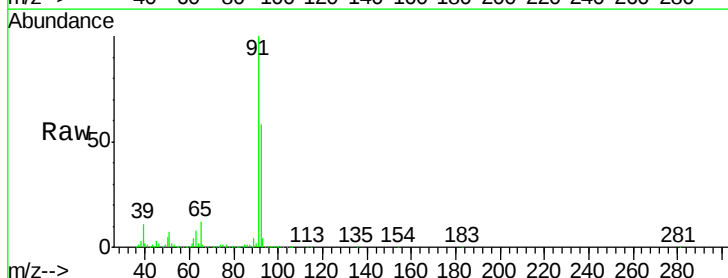
Acq: 20 Mar 2019 09:51

Tgt Ion: 92 Resp: 584551

Ion Ratio Lower Upper

92 100

91 174.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

800000

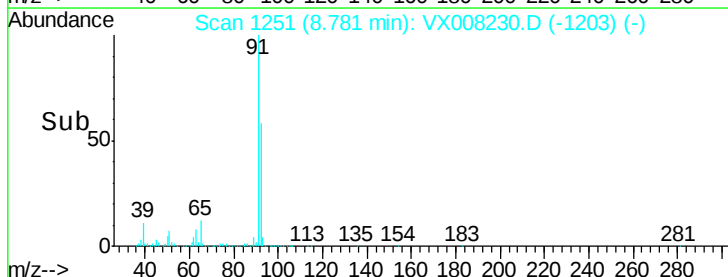
600000

400000

200000

0

Time-->

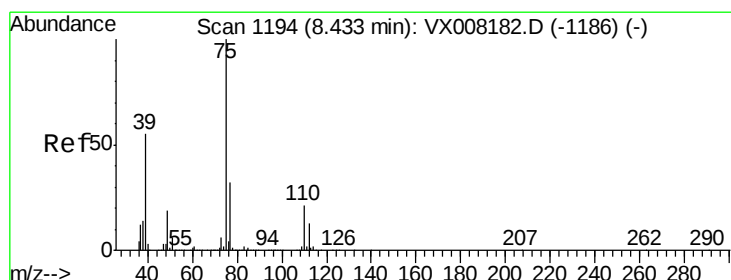
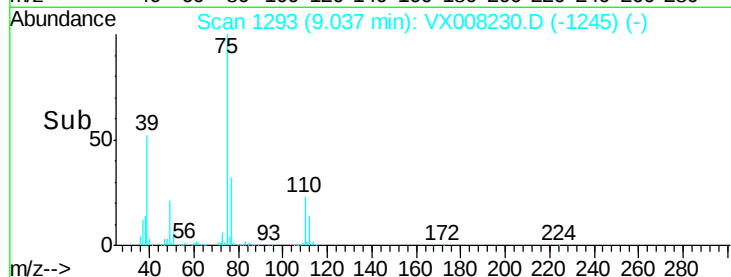
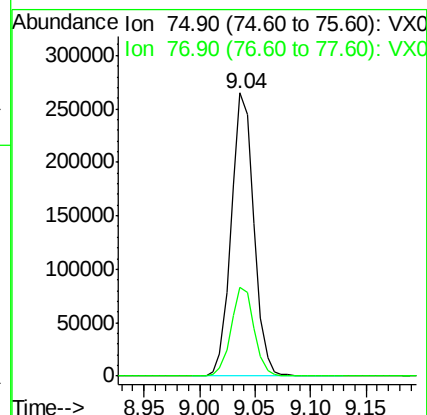
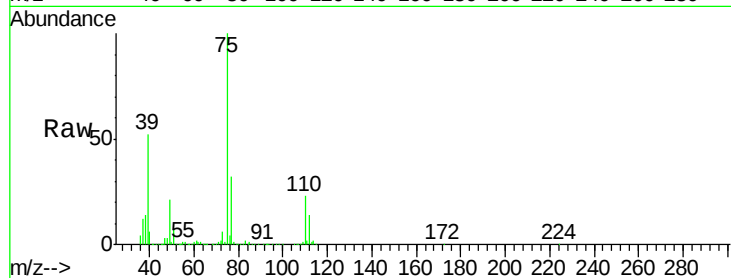




#53
t-1,3-Dichloropropene
Concen: 50.348 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

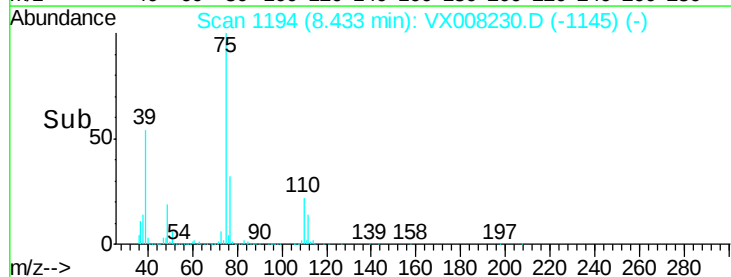
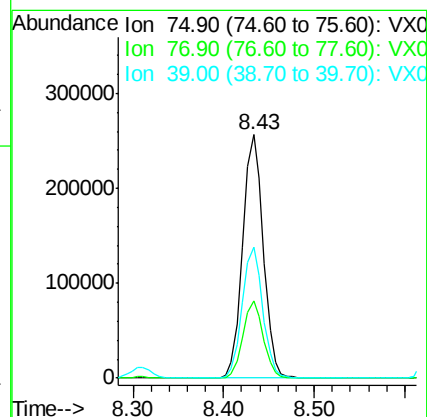
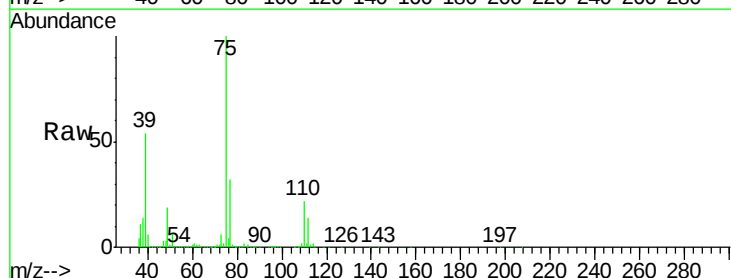
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

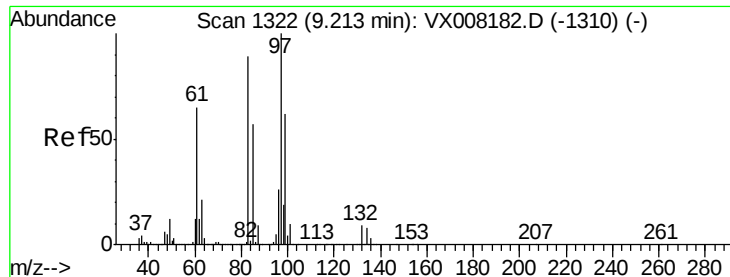
Tot Ion: 75 Resp: 371593
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 55.184 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 75 Resp: 403532
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6
39 53.8 36.6 54.8



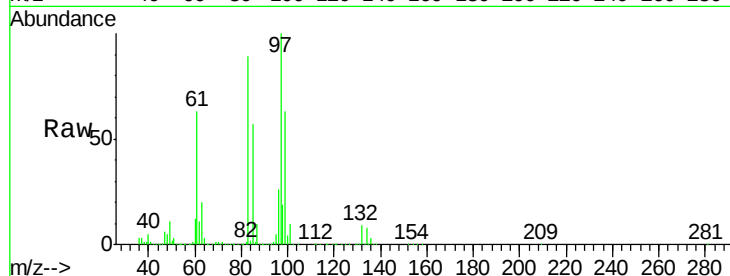


#55
 1,1,2-Trichloroethane
 Concen: 54.369 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

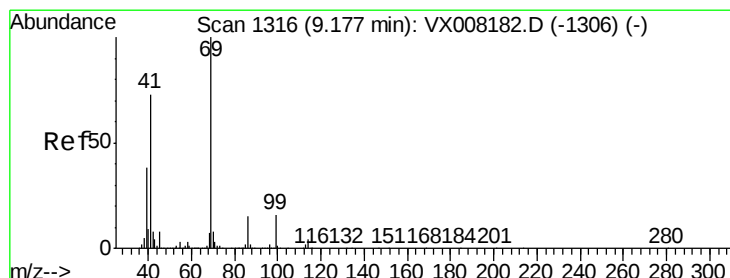
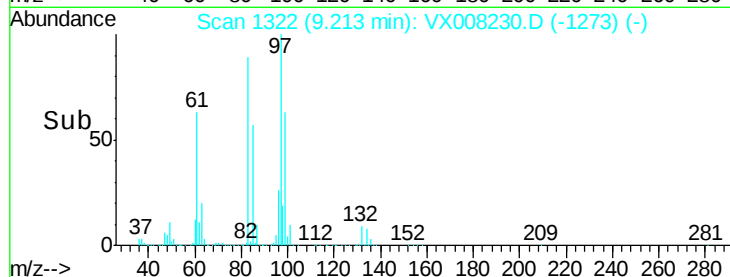
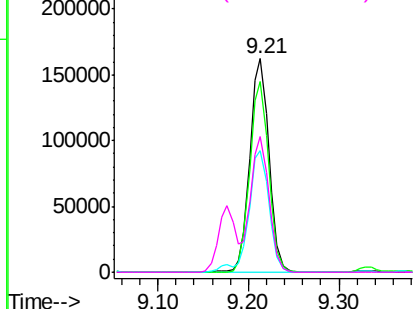
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 237719

Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.1	103.7
85	56.9	44.3	66.5
99	63.2	49.8	74.8



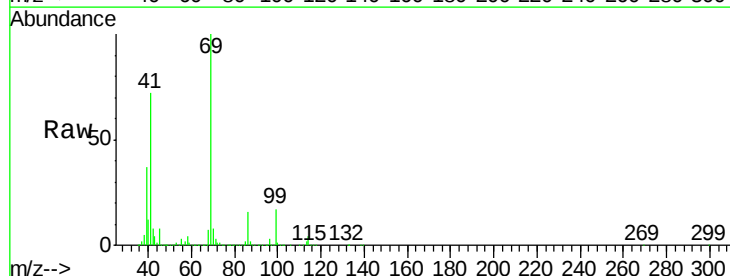
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



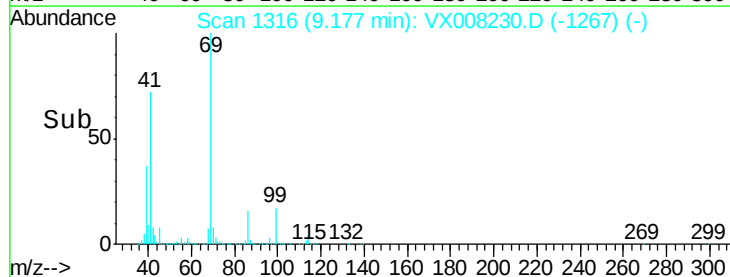
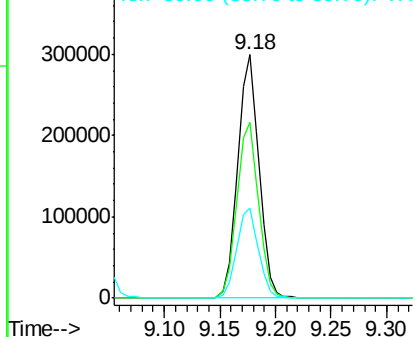
#56
 Ethyl methacrylate
 Concen: 51.594 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 69 Resp: 395822

Ion	Ratio	Lower	Upper
69	100		
41	73.4	54.2	81.4
39	37.8	25.0	37.4#



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: 54.461 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

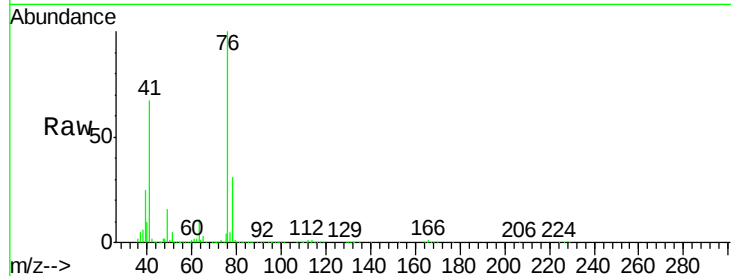
VSTDCCC050

Tot Ion: 76 Resp: 421236

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

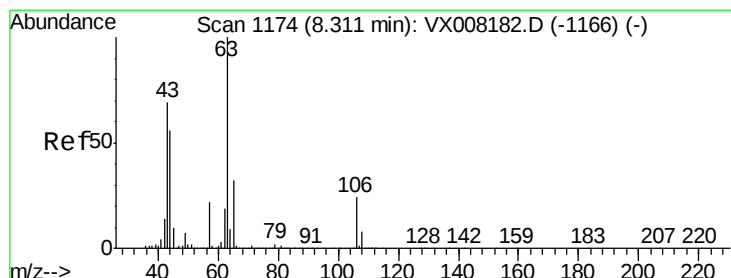
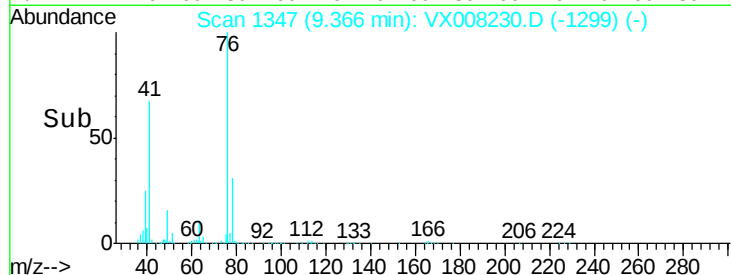
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.710 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008230.D

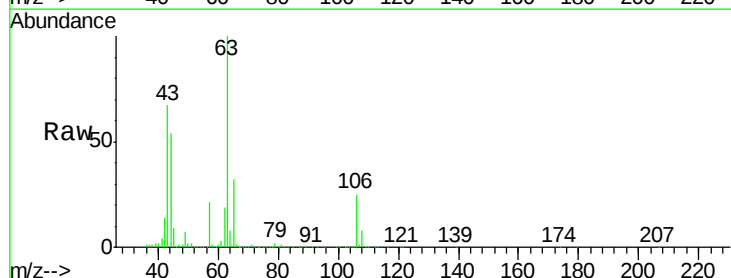
Acq: 20 Mar 2019 09:51

Tgt Ion: 63 Resp: 847981

Ion Ratio Lower Upper

63 100

106 24.6 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

600000

500000

400000

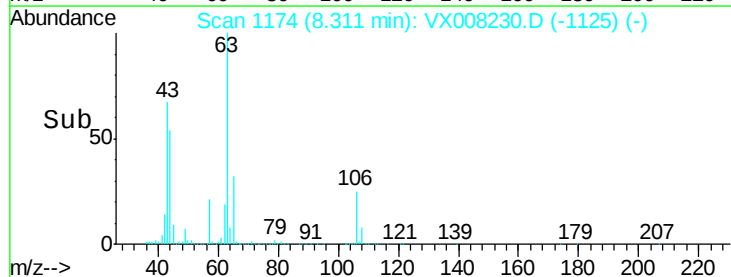
300000

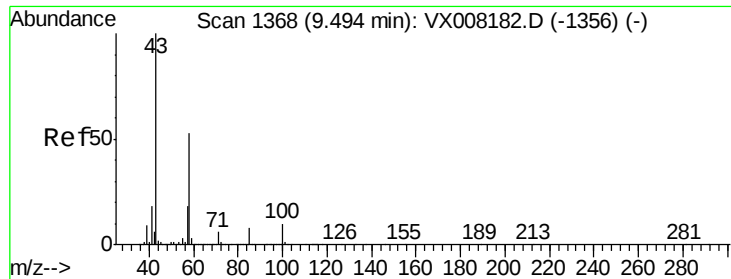
200000

100000

0

Time-->

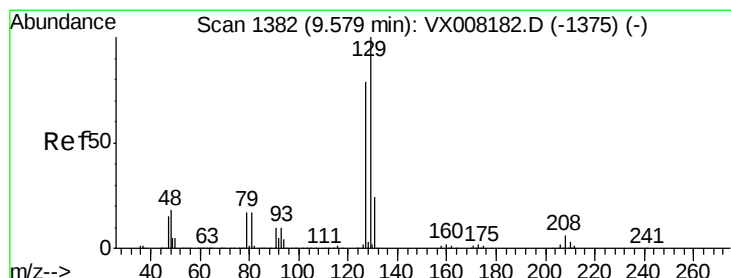
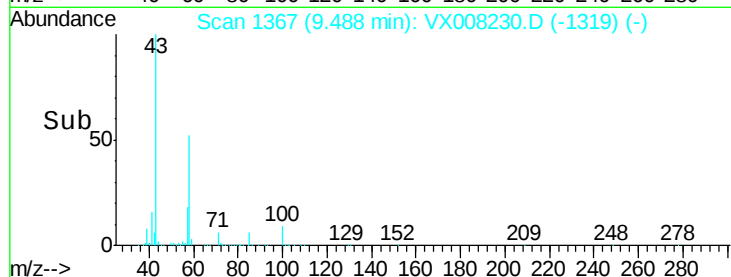
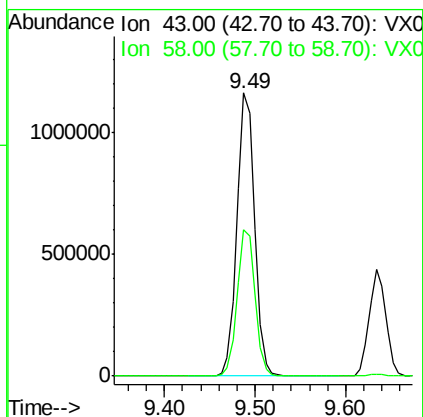
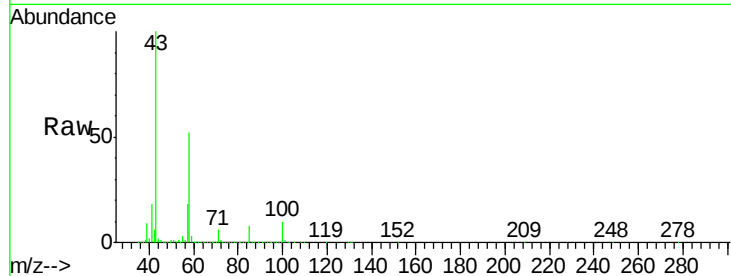




#59
2-Hexanone
Concen: 271.263 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

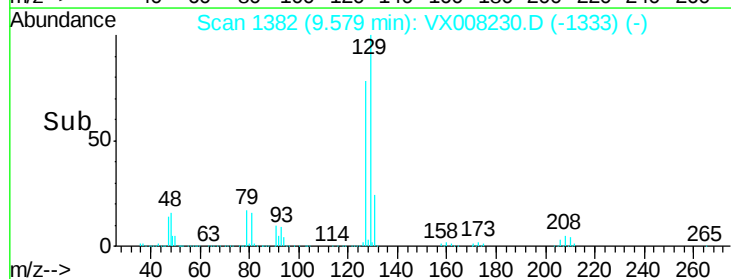
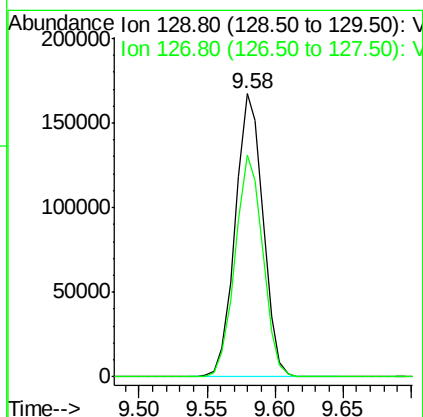
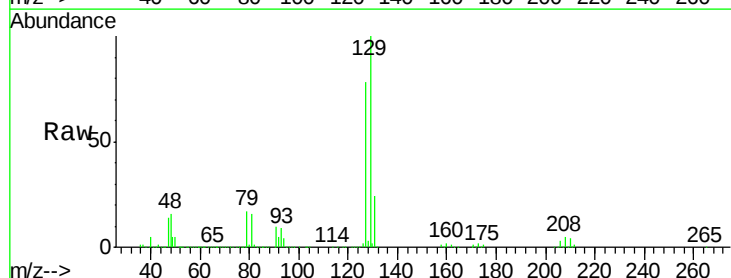
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

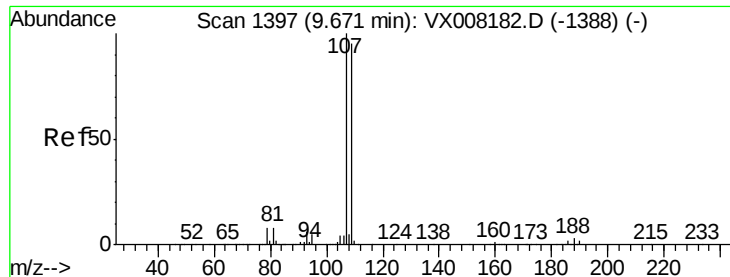
Tot Ion: 43 Resp: 1576599
Ion Ratio Lower Upper
43 100
58 52.2 27.6 82.7



#60
Dibromochloromethane
Concen: 56.576 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 129 Resp: 237731
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8

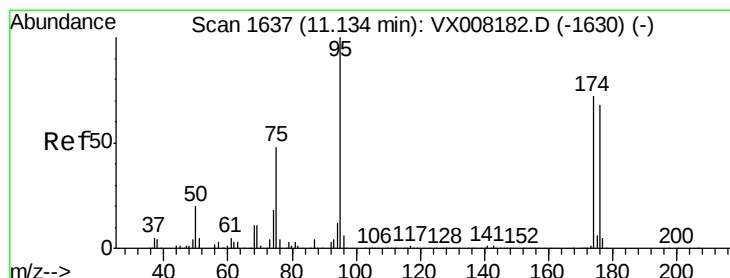
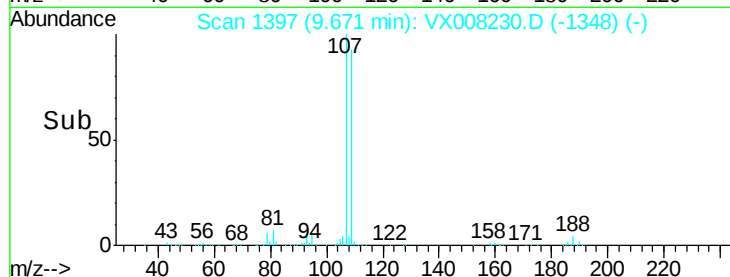
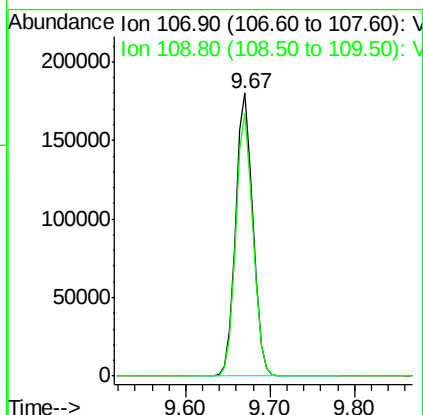
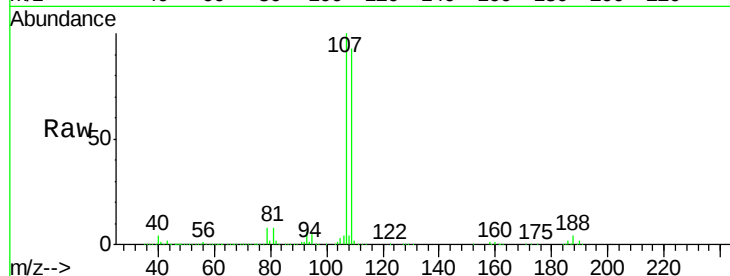




#61
1,2-Dibromoethane
Concen: 54.317 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

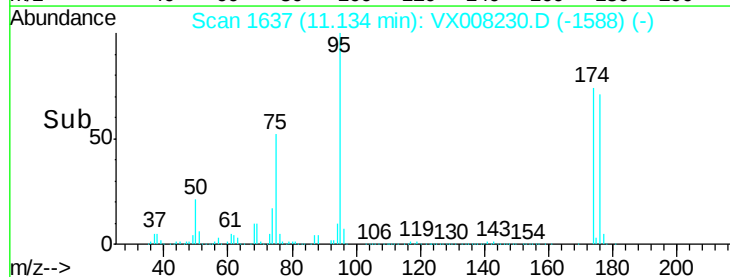
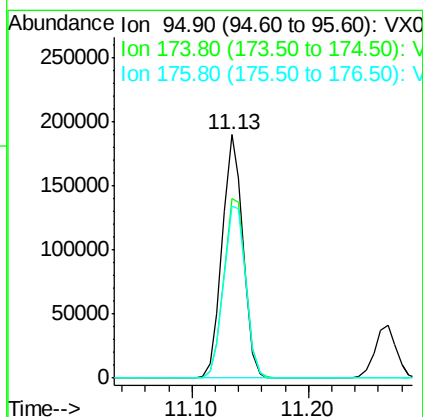
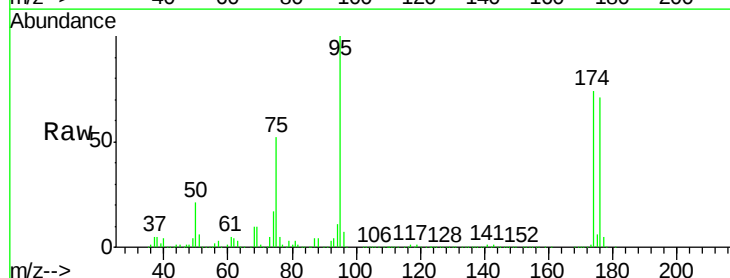
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

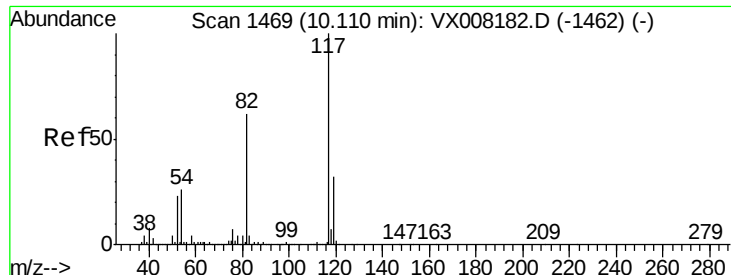
Tot Ion: 107 Resp: 247979
Ion Ratio Lower Upper
107 100
109 93.2 75.8 113.8



#62
4-Bromofluorobenzene
Concen: 50.435 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 95 Resp: 233310
Ion Ratio Lower Upper
95 100
174 78.6 0.0 182.8
176 75.5 0.0 178.0

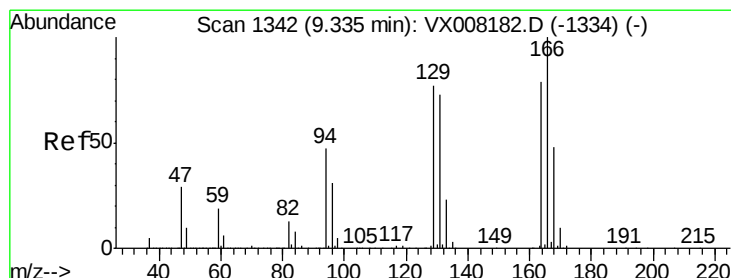
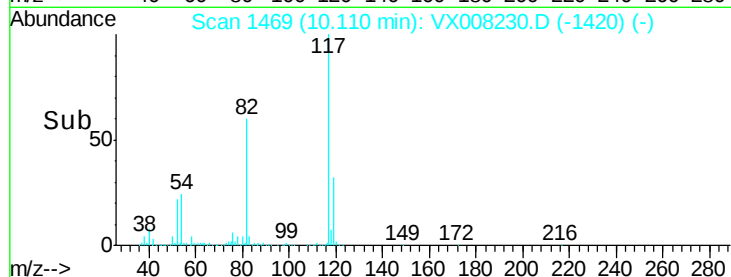
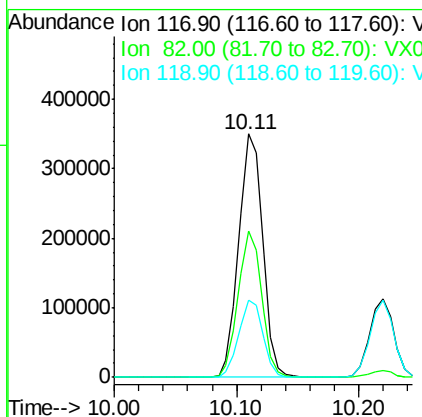
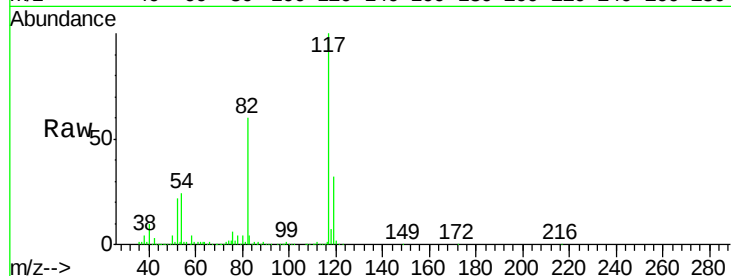




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

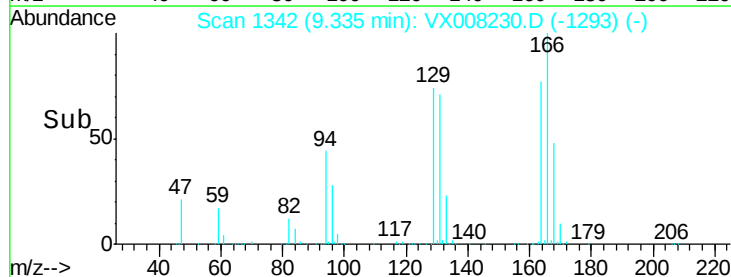
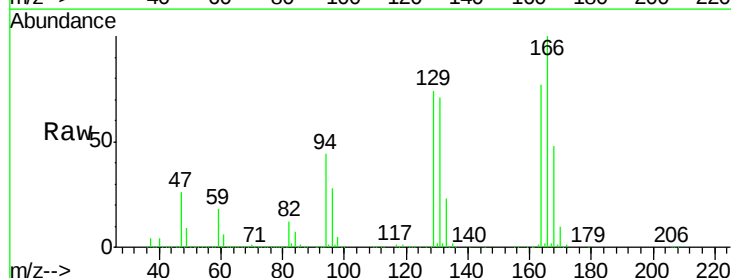
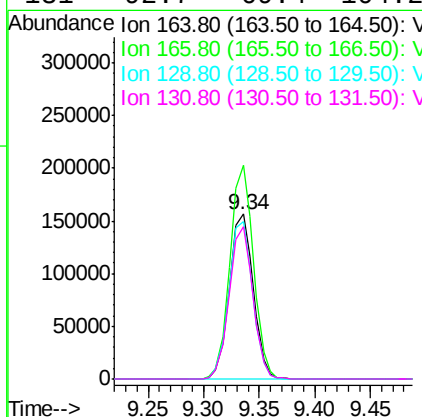
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

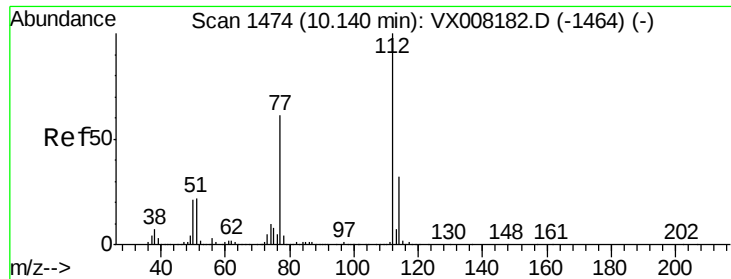
Tot Ion:117 Resp: 474401
Ion Ratio Lower Upper
117 100
82 60.0 44.3 66.5
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 54.447 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:164 Resp: 233031
Ion Ratio Lower Upper
164 100
166 129.7 103.4 155.0
129 95.7 72.2 108.4
131 92.7 69.4 104.2

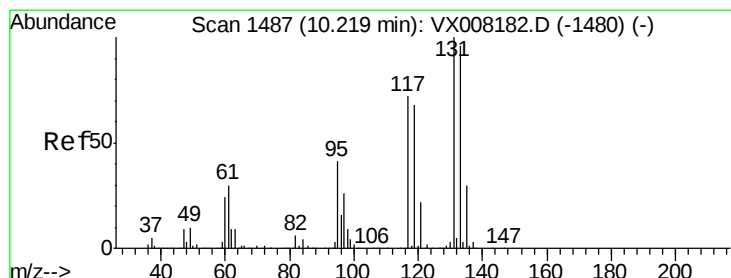
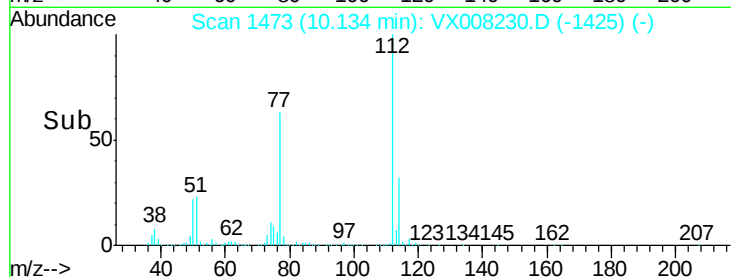
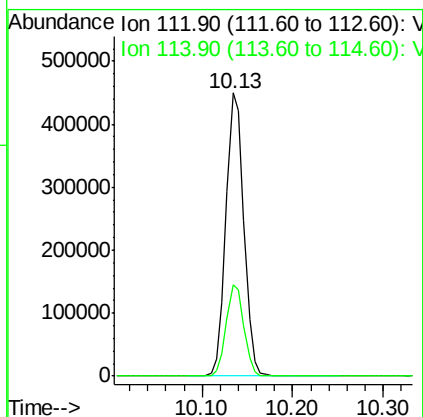
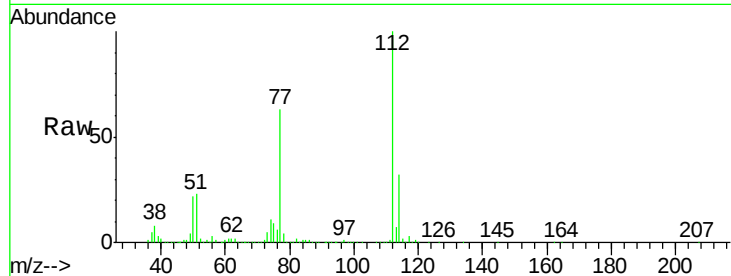




#65
Chlorobenzene
Concen: 52.846 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

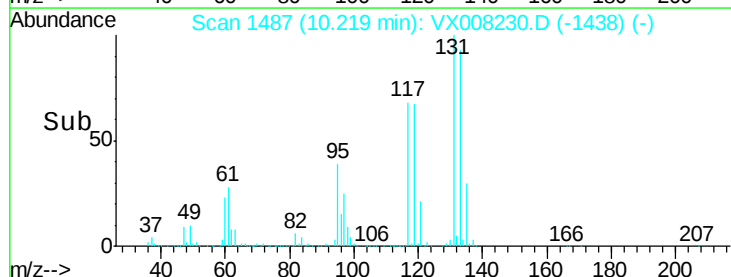
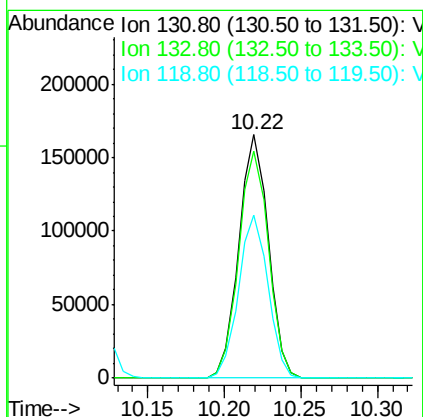
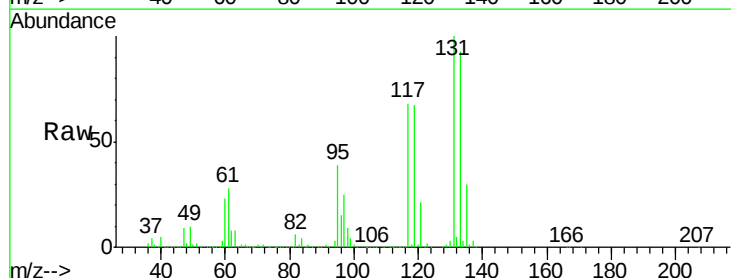
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

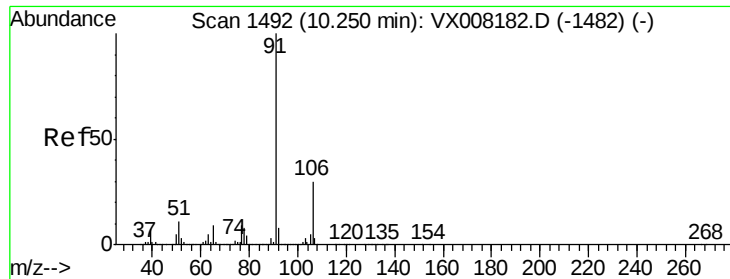
Tot Ion:112 Resp: 616873
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.656 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:131 Resp: 222446
Ion Ratio Lower Upper
131 100
133 94.4 47.8 143.3
119 66.9 32.5 97.5





#67

Ethyl Benzene

Concen: 54.470 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

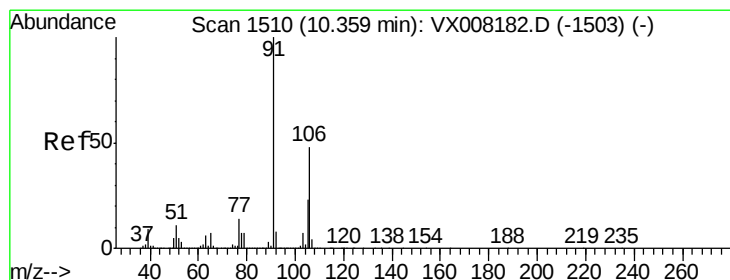
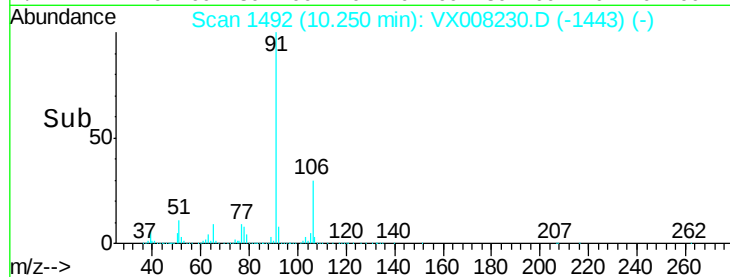
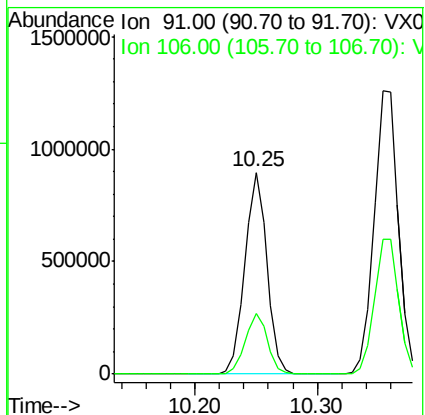
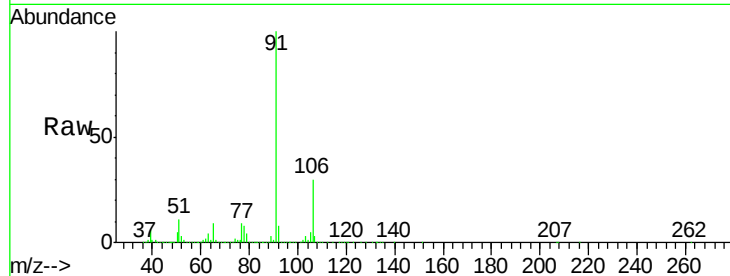
VSTDCCC050

Tot Ion: 91 Resp: 1120466

Ion Ratio Lower Upper

91 100

106 30.0 25.2 37.8



#68

m/p-Xylenes

Concen: 110.241 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008230.D

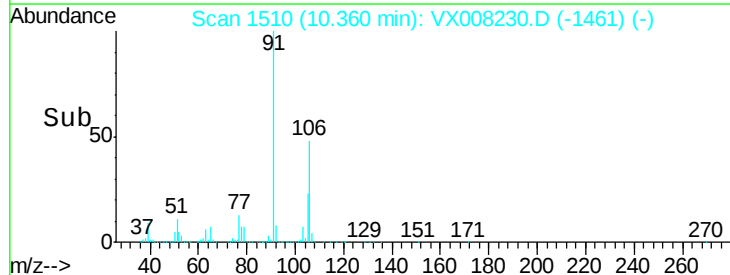
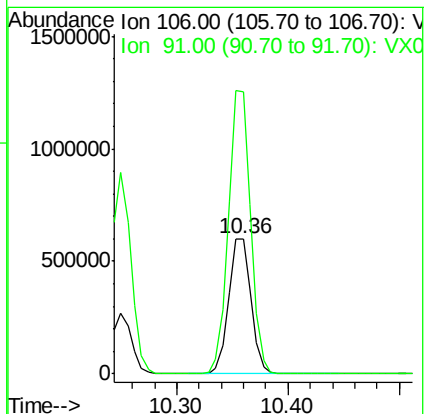
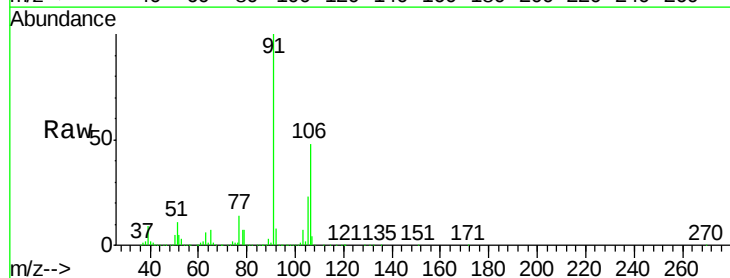
Acq: 20 Mar 2019 09:51

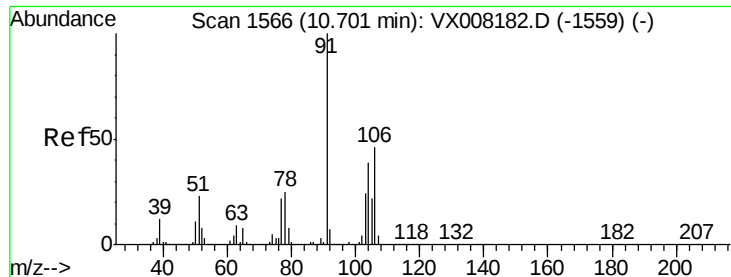
Tgt Ion: 106 Resp: 833014

Ion Ratio Lower Upper

106 100

91 208.3 159.8 239.6

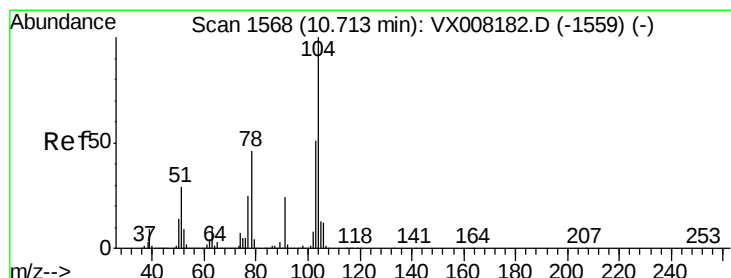
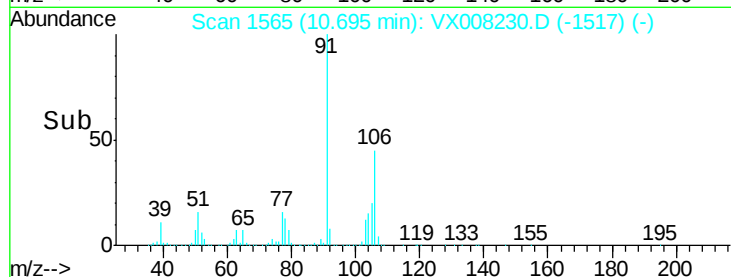
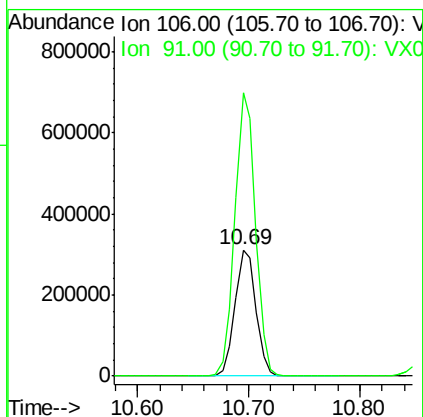
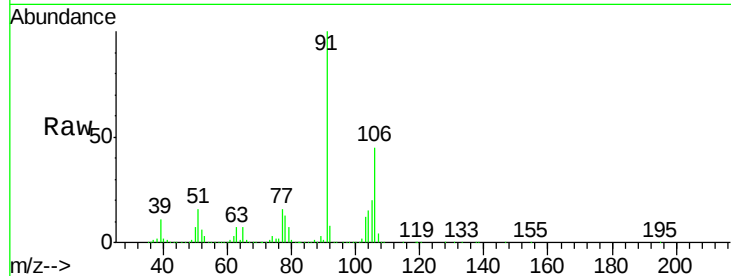




#69
o-Xylene
Concen: 54.877 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

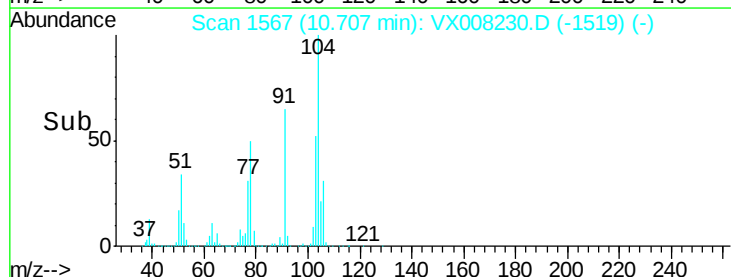
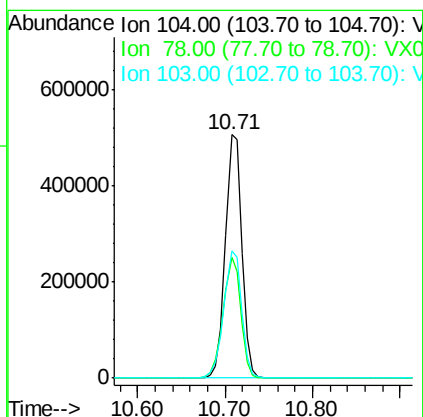
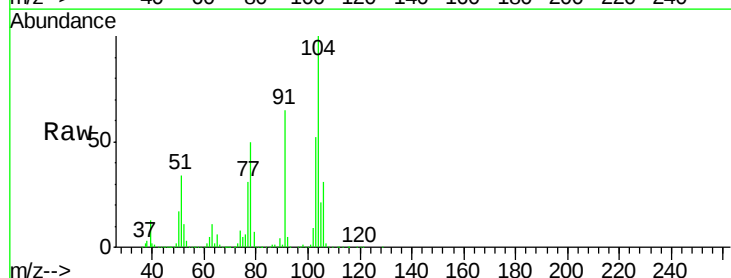
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

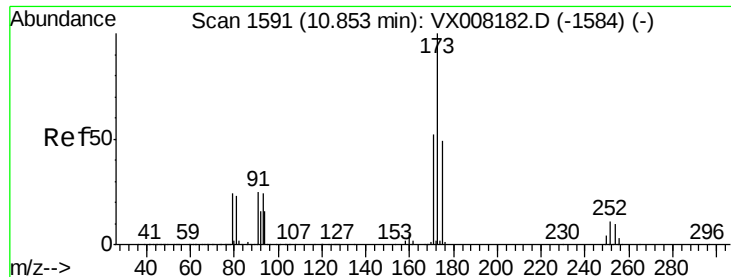
Tot Ion:106 Resp: 402931
Ion Ratio Lower Upper
106 100
91 221.0 106.3 318.9



#70
Styrene
Concen: 55.371 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:104 Resp: 660723
Ion Ratio Lower Upper
104 100
78 53.0 38.5 57.7
103 56.3 44.1 66.1





#71

Bromoform

Concen: 50.063 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

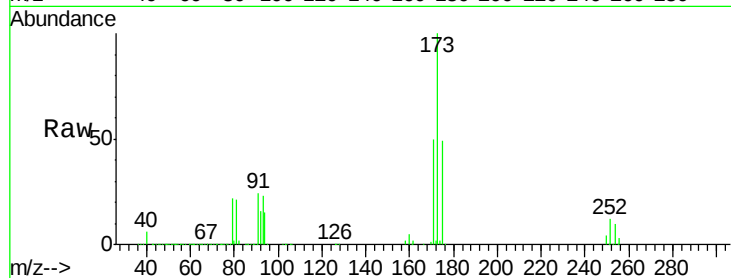
Tot Ion:173 Resp: 175569

Ion Ratio Lower Upper

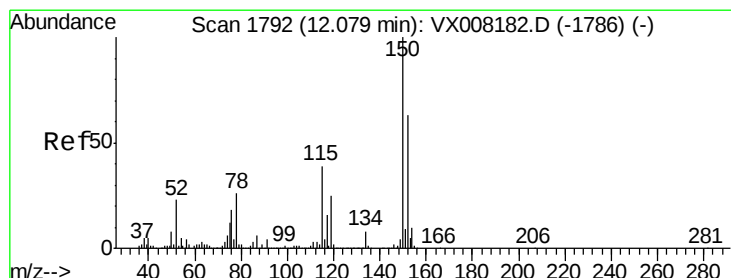
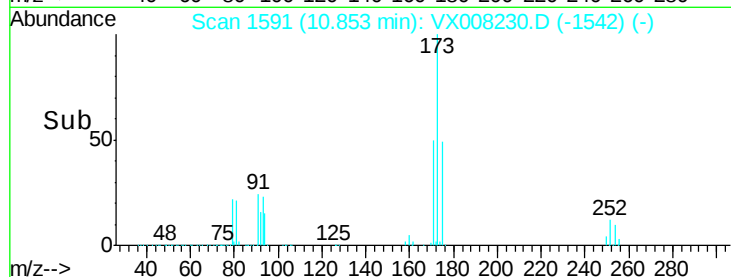
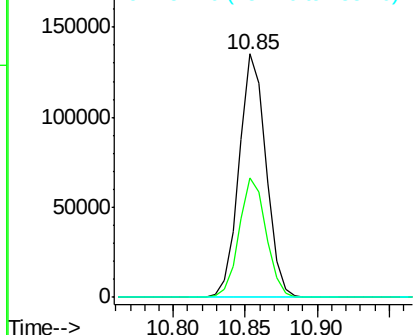
173 100

175 49.1 24.3 72.9

254 0.2 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: VX008230.D

Acq: 20 Mar 2019 09:51

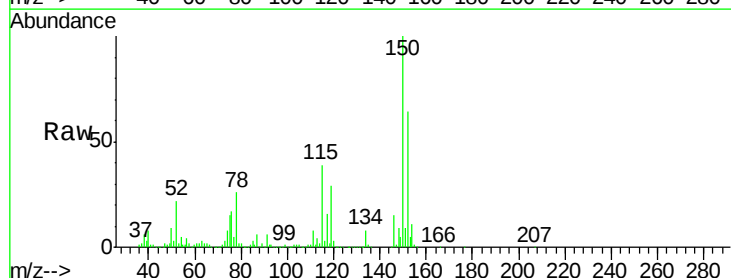
Tgt Ion:152 Resp: 224093

Ion Ratio Lower Upper

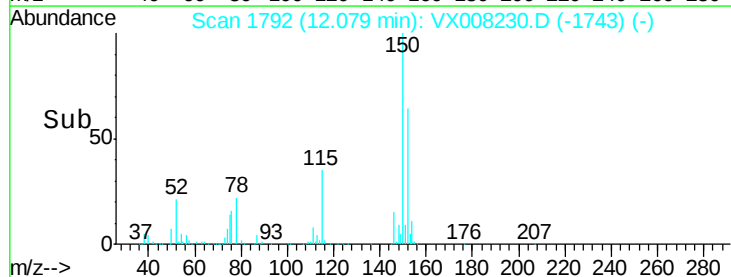
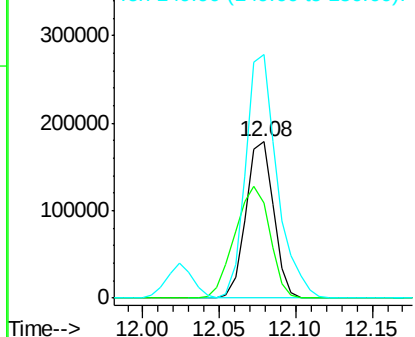
152 100

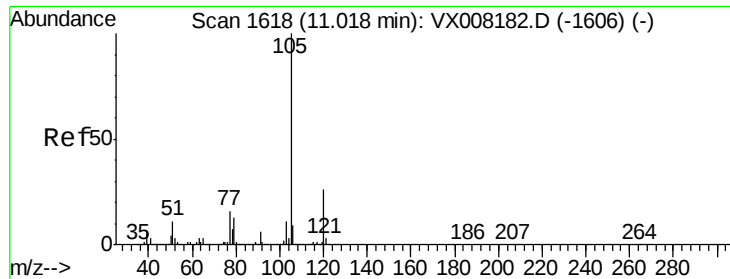
115 91.3 38.6 115.7

150 177.2 0.0 348.4



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





#73

Isopropylbenzene

Concen: 54.257 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

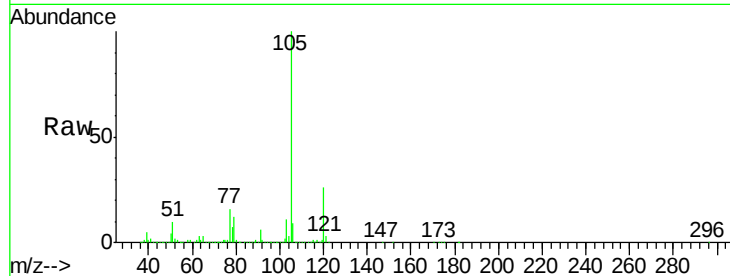
VSTDCCC050

Tot Ion:105 Resp: 1083766

Ion Ratio Lower Upper

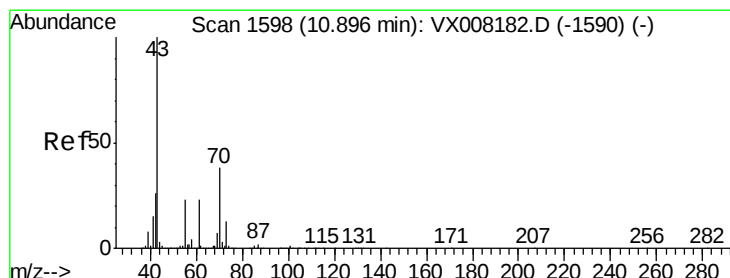
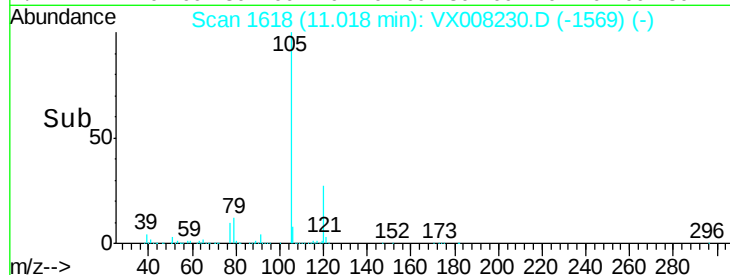
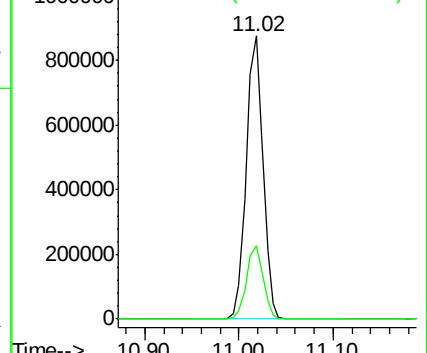
105 100

120 26.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.459 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion: 43 Resp: 549002

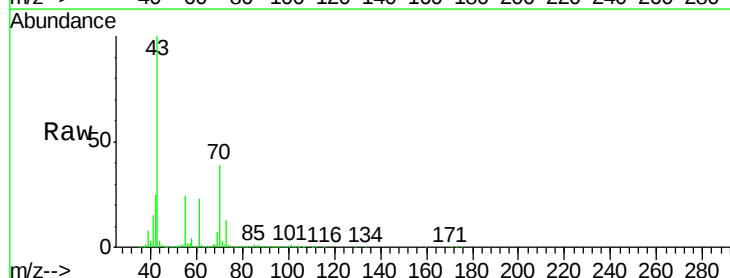
Ion Ratio Lower Upper

43 100

70 38.8 33.5 50.3

55 23.5 19.2 28.8

61 23.1 19.0 28.6

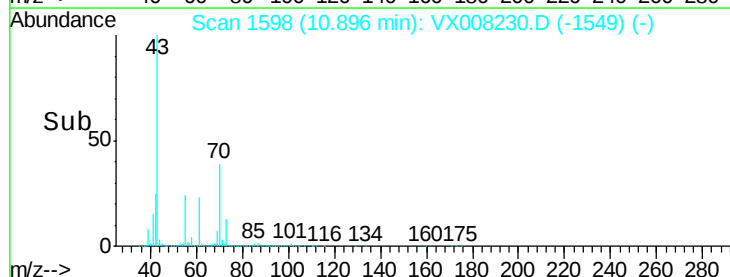
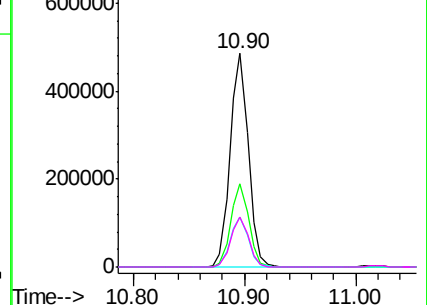


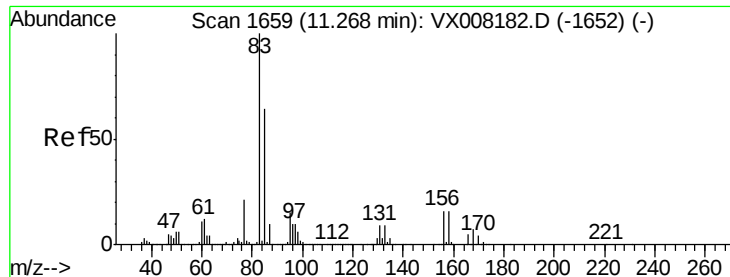
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.159 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

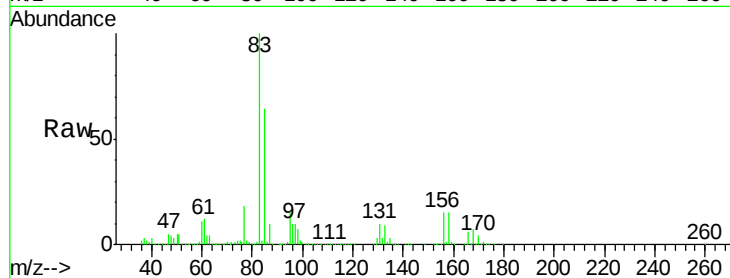
Tot Ion: 83 Resp: 359265

Ion Ratio Lower Upper

83 100

131 9.4 5.4 16.2

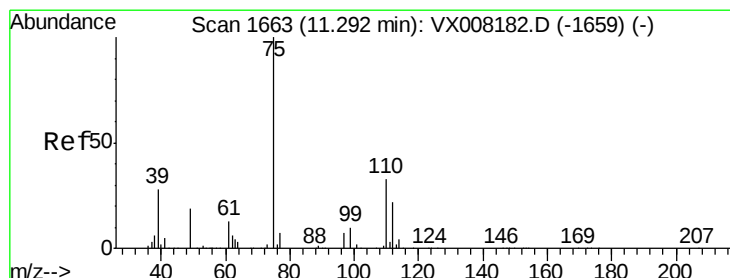
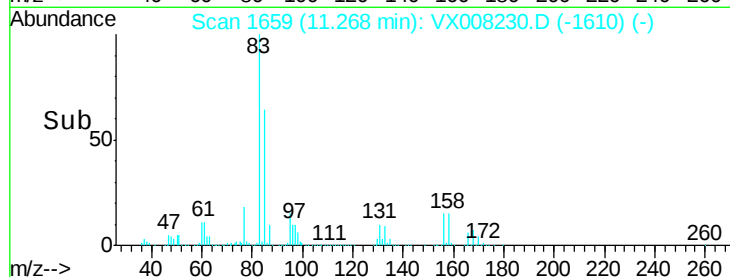
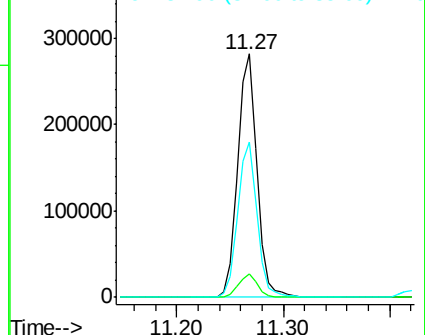
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 70.546 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008230.D

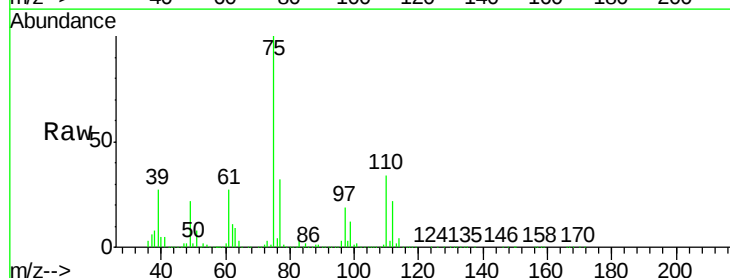
Acq: 20 Mar 2019 09:51

Tgt Ion: 75 Resp: 444645

Ion Ratio Lower Upper

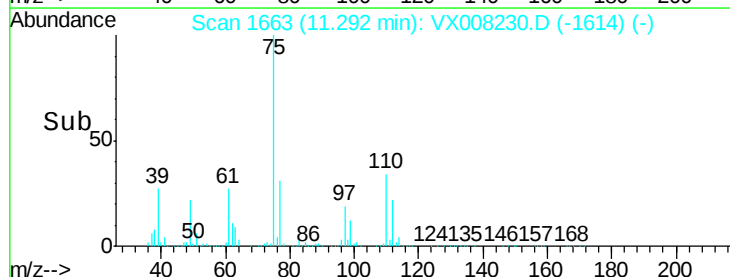
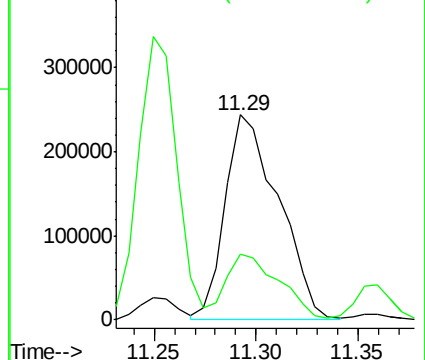
75 100

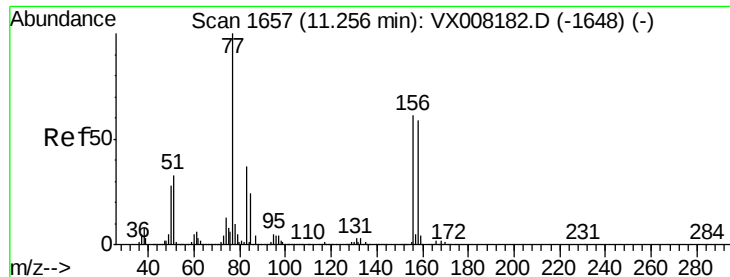
77 32.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.020 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

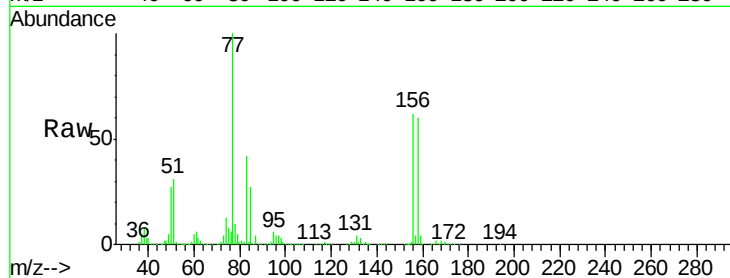
Tot Ion:156 Resp: 256063

Ion Ratio Lower Upper

156 100

77 171.3 72.0 215.9

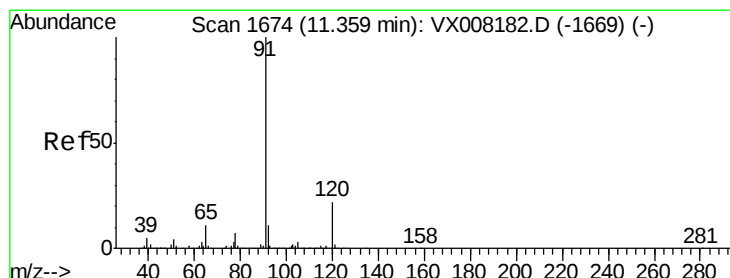
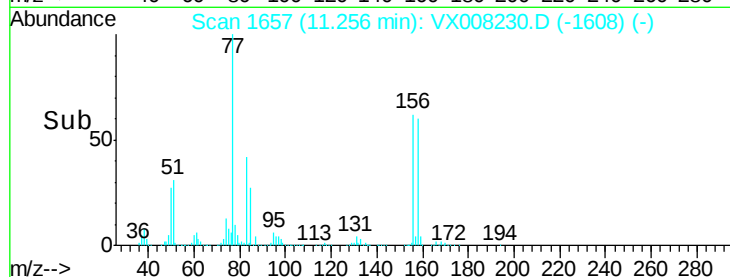
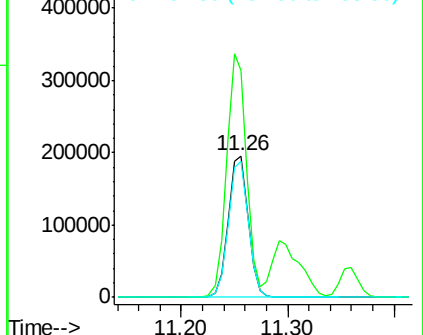
158 96.8 48.6 145.9



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: 55.325 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008230.D

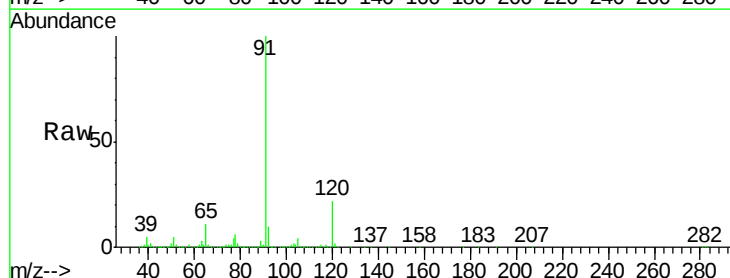
Acq: 20 Mar 2019 09:51

Tgt Ion: 91 Resp: 1283530

Ion Ratio Lower Upper

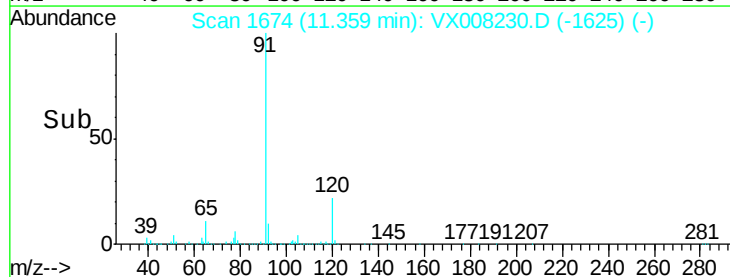
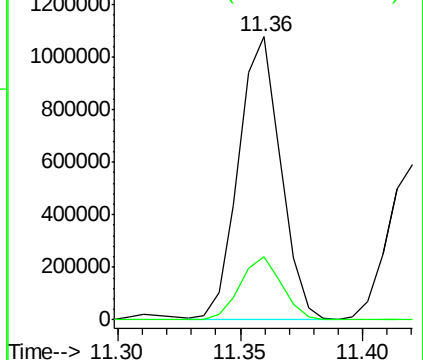
91 100

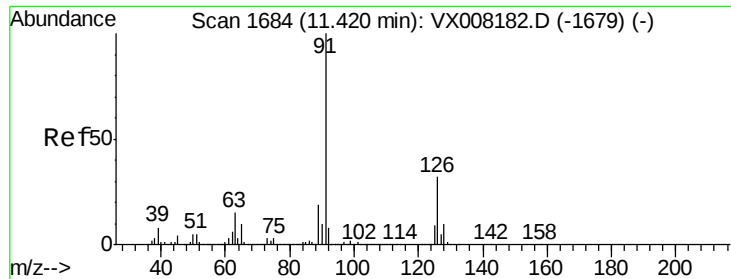
120 22.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.020 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

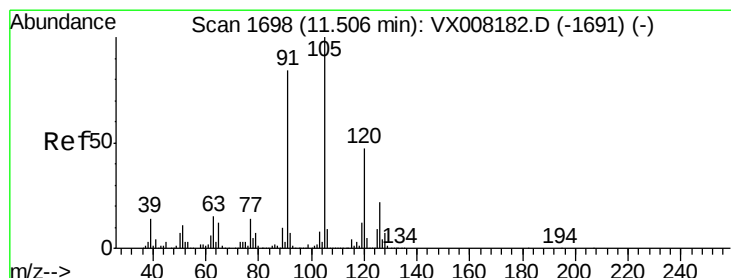
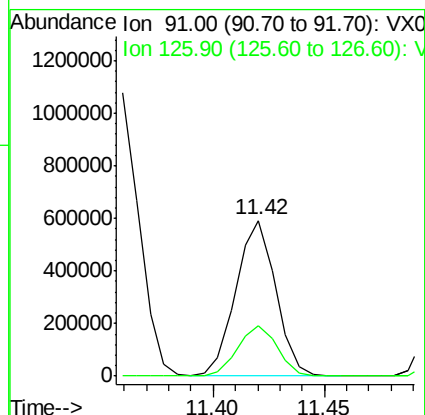
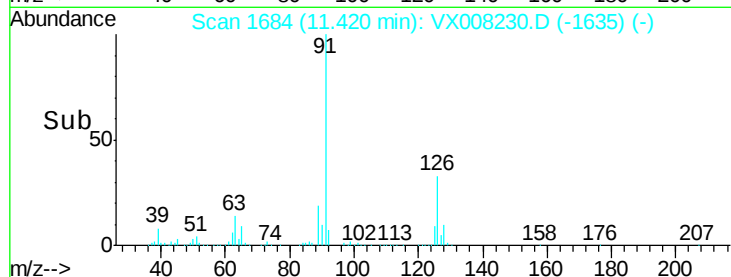
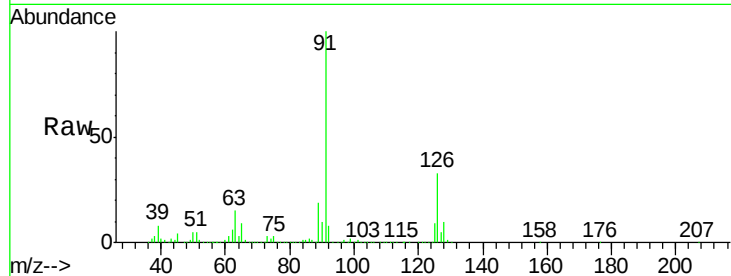
VSTDCCC050

Tot Ion: 91 Resp: 738278

Ion Ratio Lower Upper

91 100

126 32.6 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 54.655 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008230.D

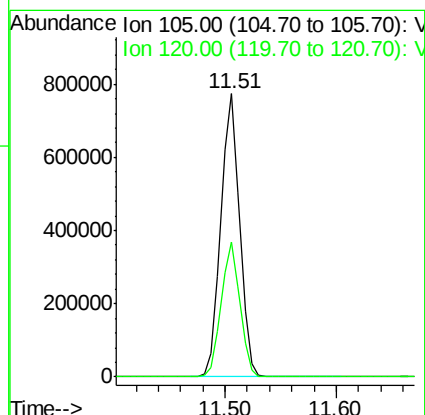
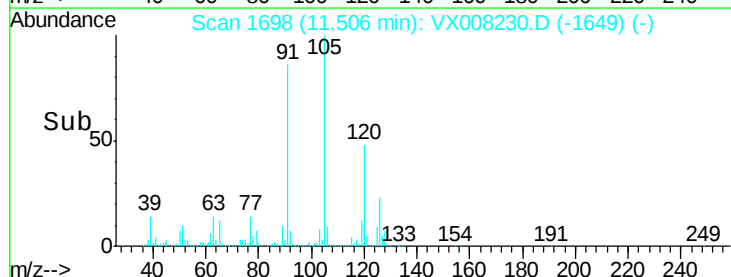
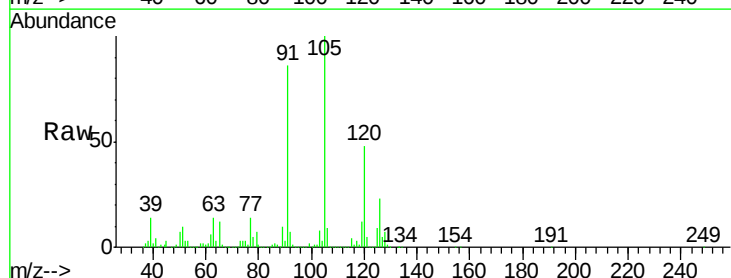
Acq: 20 Mar 2019 09:51

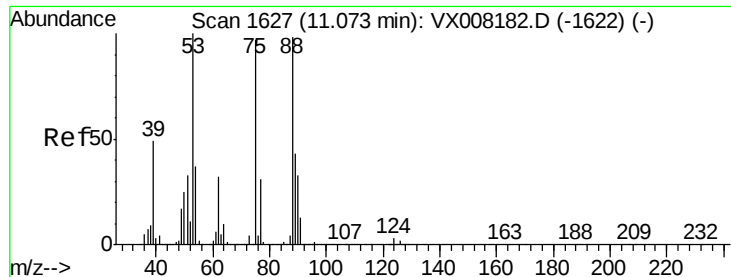
Tgt Ion: 105 Resp: 901933

Ion Ratio Lower Upper

105 100

120 47.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.913 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

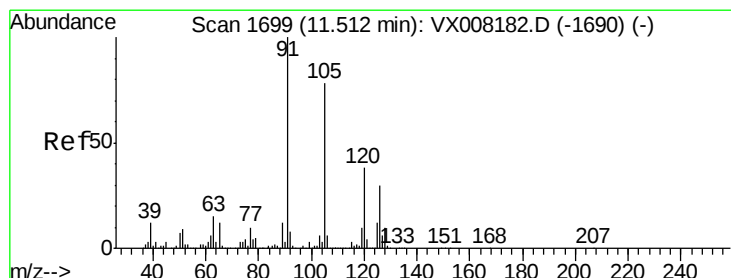
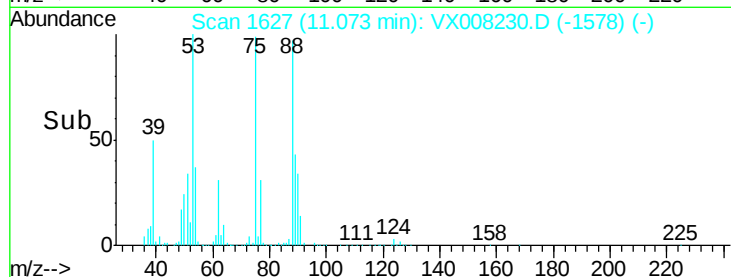
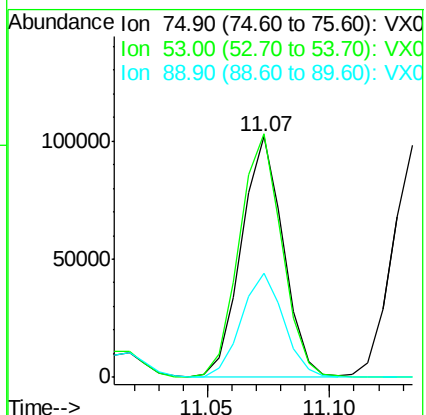
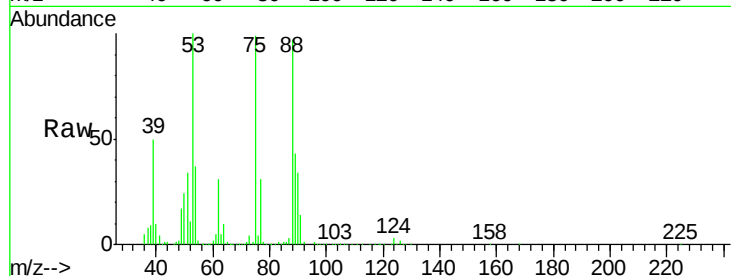
Tot Ion: 75 Resp: 120852

Ion Ratio Lower Upper

75 100

53 102.7 76.1 114.1

89 44.1 36.3 54.5



#82

4-Chlorotoluene

Concen: 53.534 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008230.D

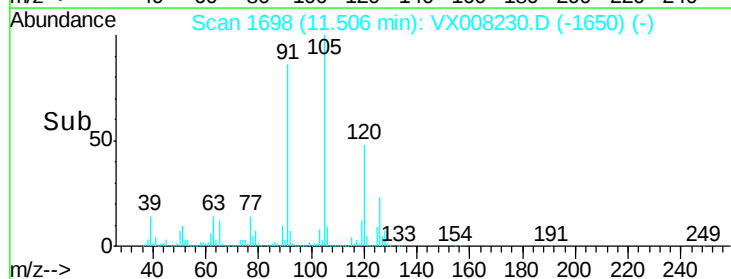
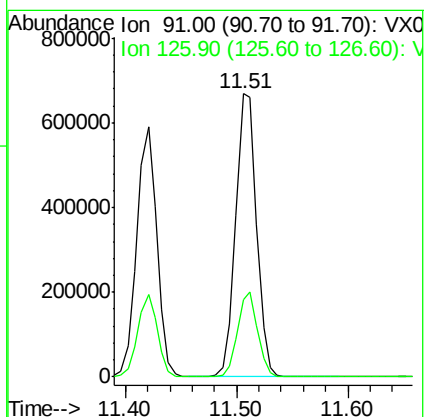
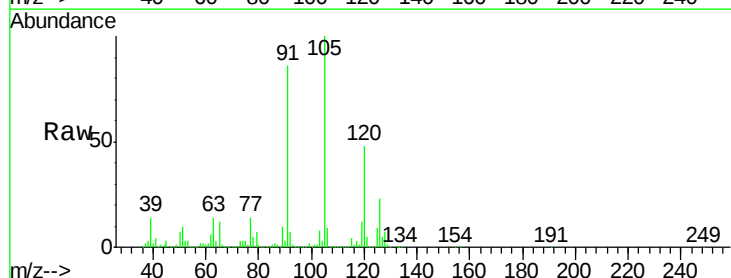
Acq: 20 Mar 2019 09:51

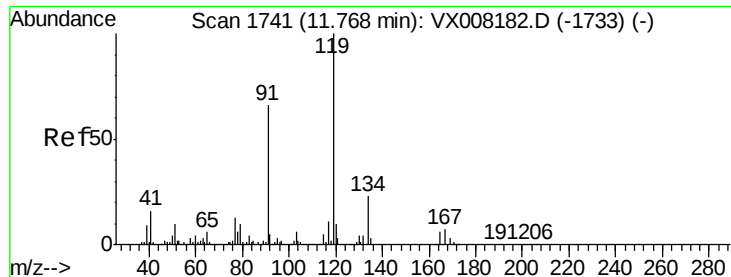
Tgt Ion: 91 Resp: 867446

Ion Ratio Lower Upper

91 100

126 28.7 15.6 46.8

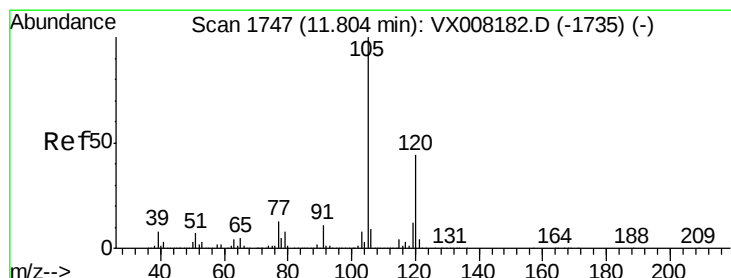
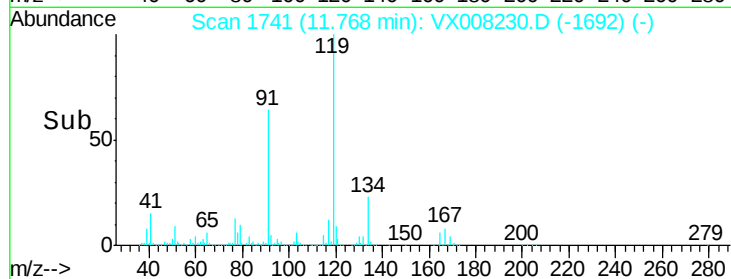
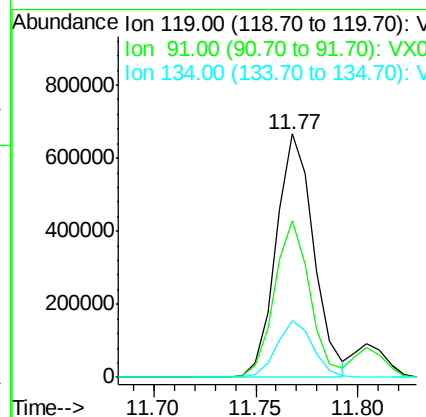
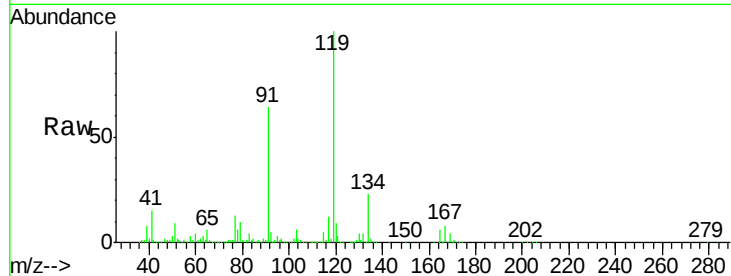




#83
 tert-Butylbenzene
 Concen: 54.232 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

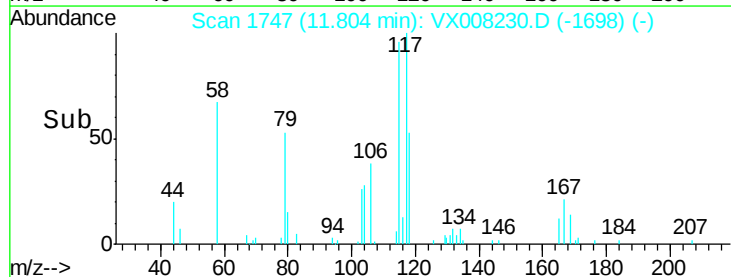
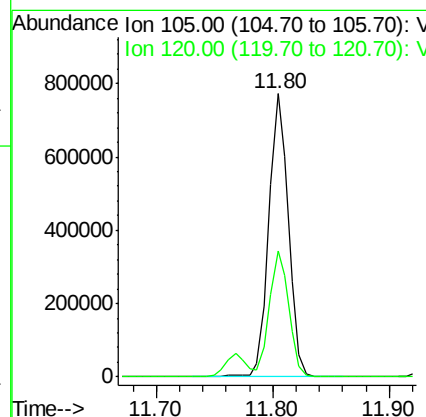
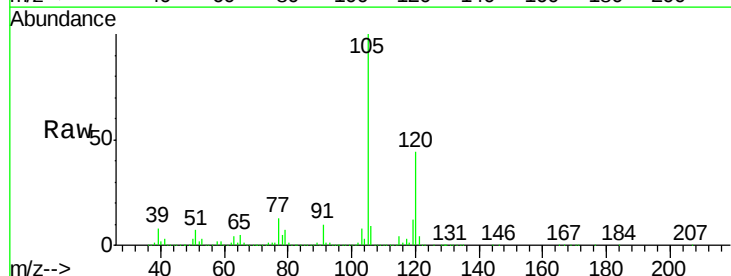
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

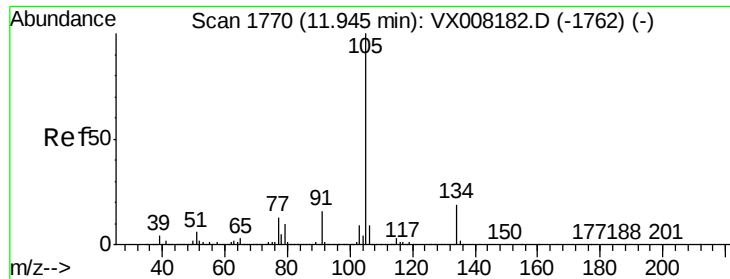
Tot Ion:119 Resp: 854437
 Ion Ratio Lower Upper
 119 100
 91 61.1 27.1 81.3
 134 22.4 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.260 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion:105 Resp: 907755
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 55.214 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

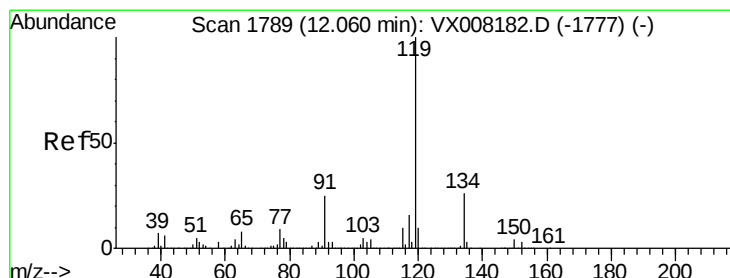
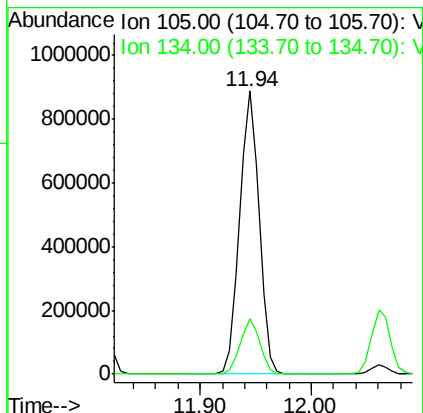
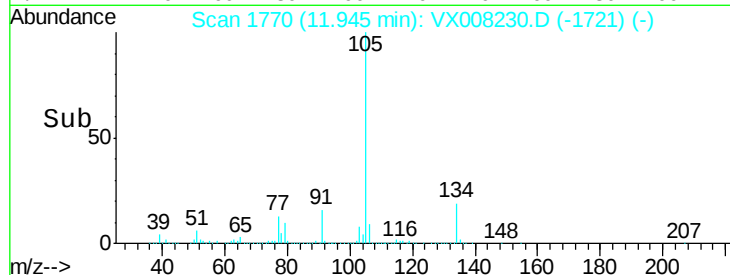
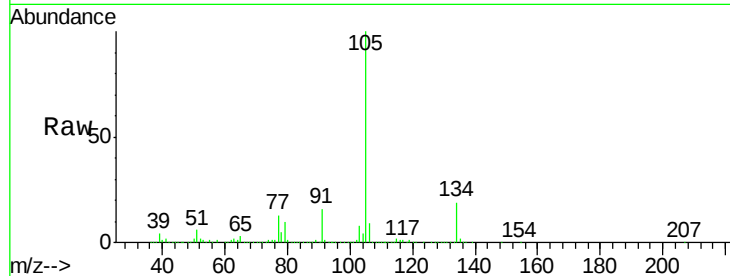
VSTDCCC050

Tot Ion:105 Resp: 1077267

Ion Ratio Lower Upper

105 100

134 19.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 55.437 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

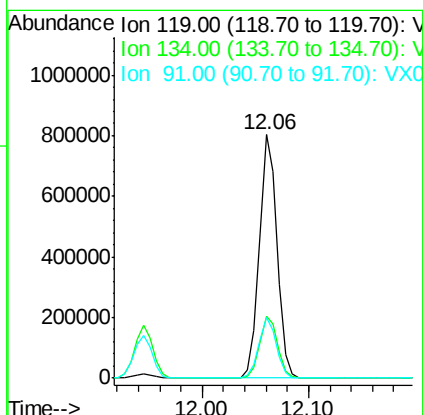
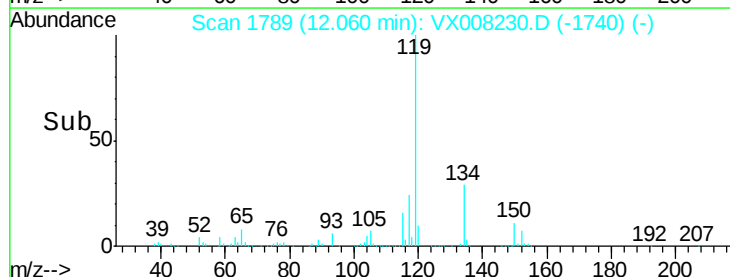
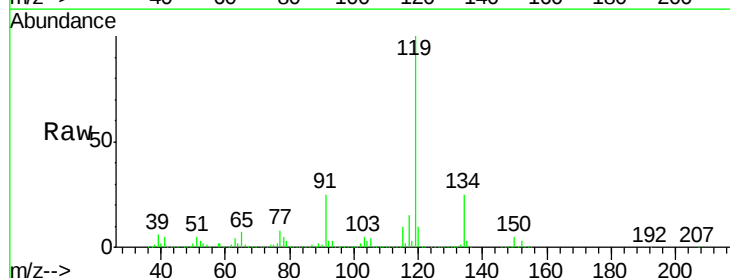
Tgt Ion:119 Resp: 936264

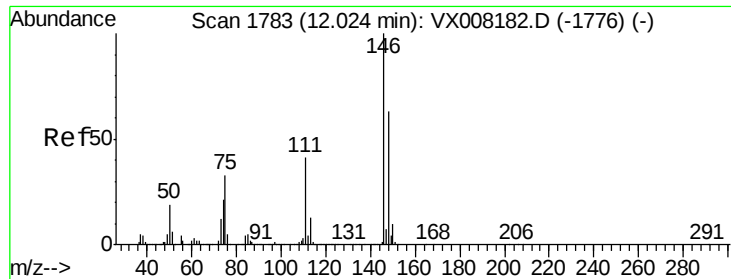
Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

91 24.6 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 53.176 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

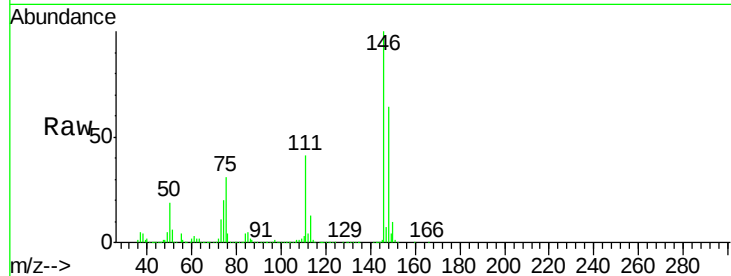
Tot Ion:146 Resp: 458963

Ion Ratio Lower Upper

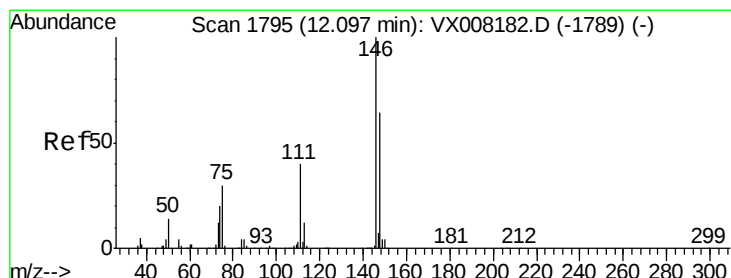
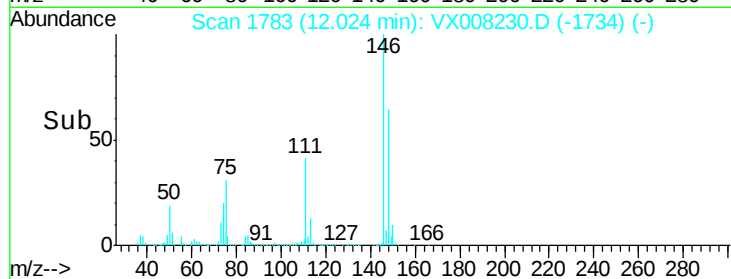
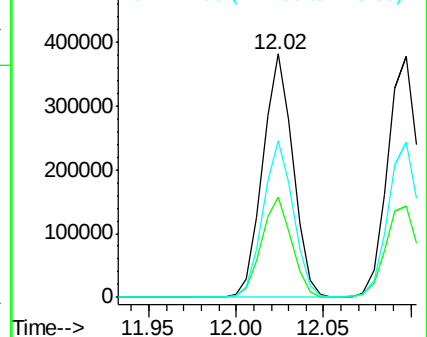
146 100

111 41.1 18.9 56.7

148 64.0 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 51.648 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

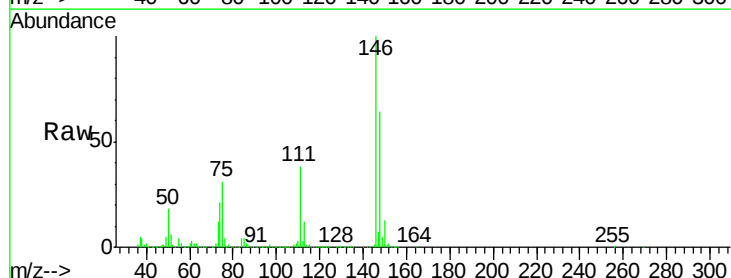
Tgt Ion:146 Resp: 461100

Ion Ratio Lower Upper

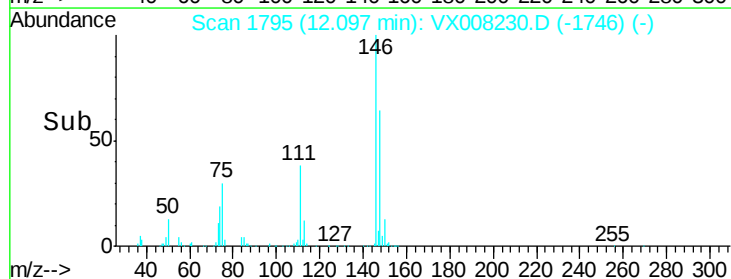
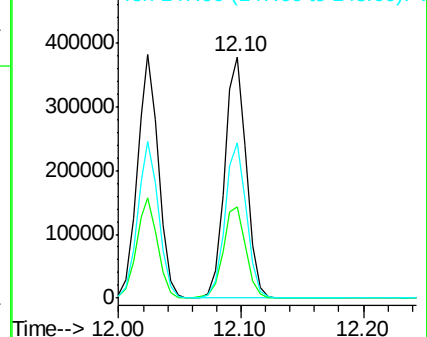
146 100

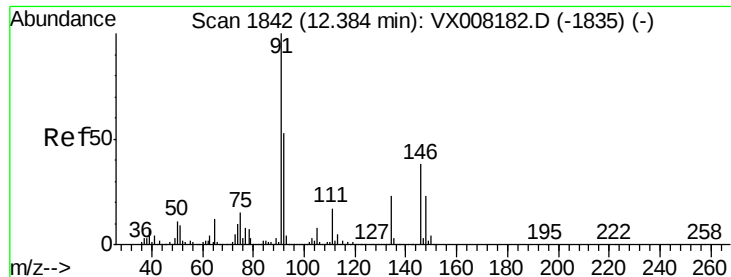
111 39.6 18.4 55.0

148 64.1 32.2 96.6



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

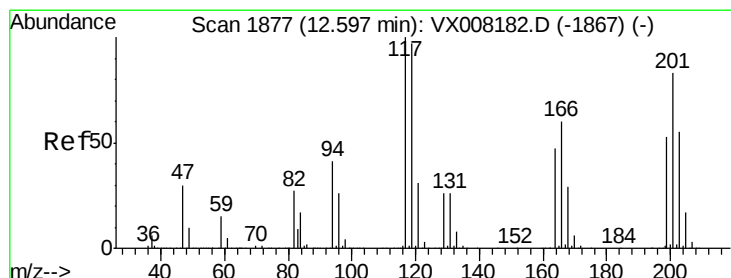
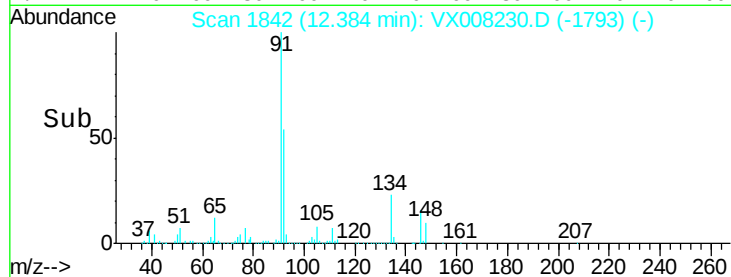
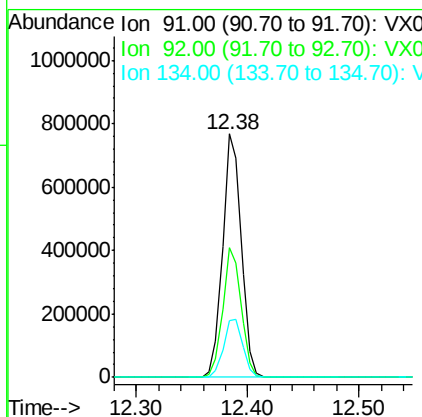
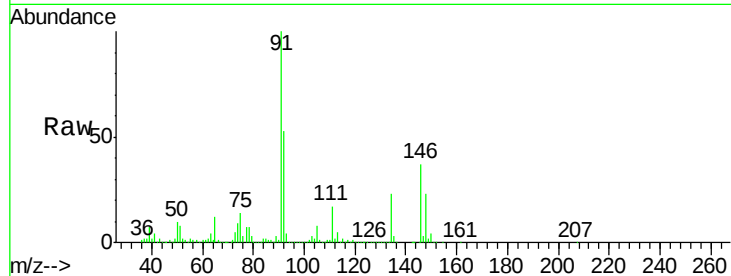




#89
n-Butylbenzene
Concen: 56.080 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

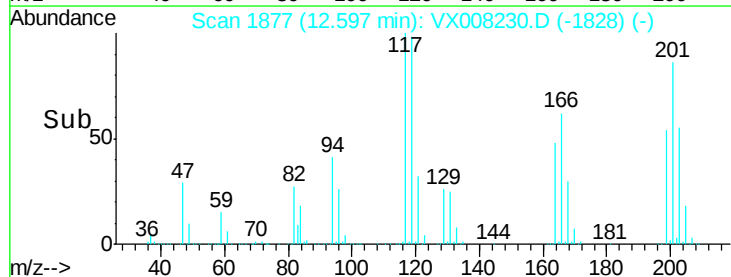
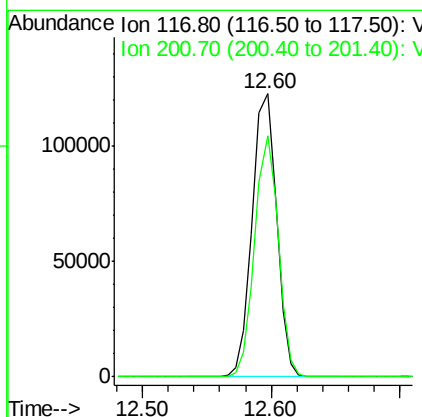
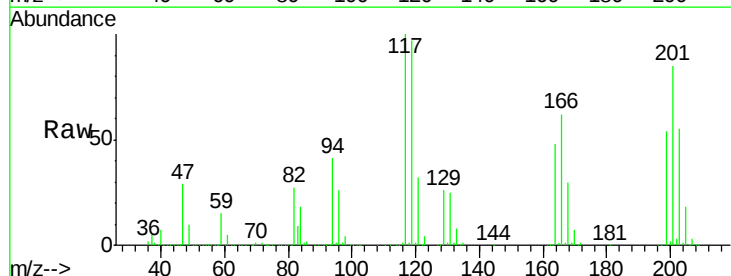
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

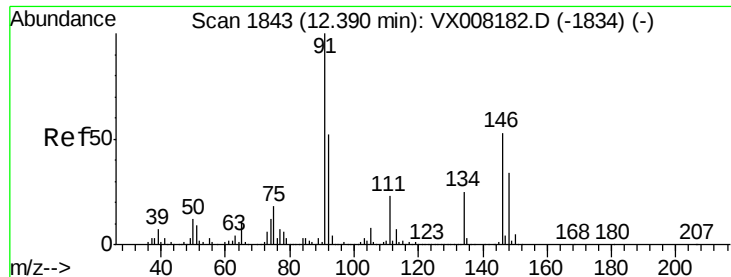
Tot Ion: 91 Resp: 888932
Ion Ratio Lower Upper
91 100
92 52.7 27.0 80.8
134 24.4 13.7 41.0



#90
Hexachloroethane
Concen: 55.815 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 117 Resp: 160541
Ion Ratio Lower Upper
117 100
201 81.9 48.9 146.7

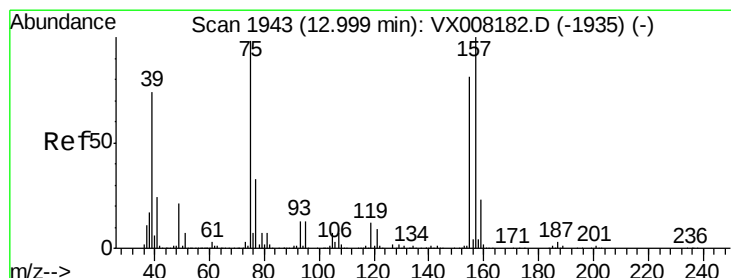
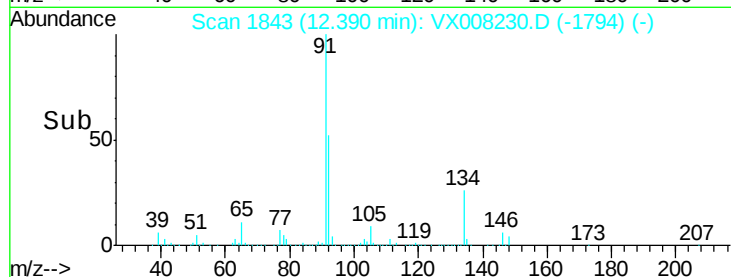
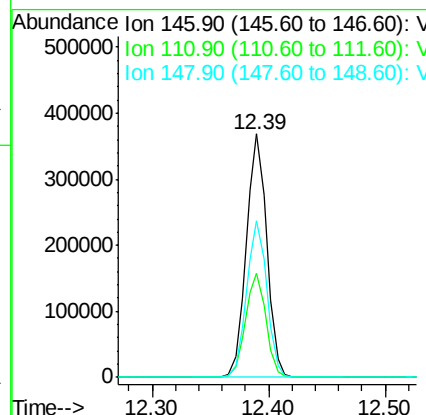
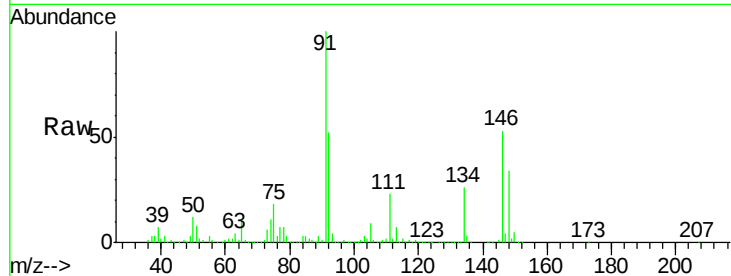




#91
 1,2-Dichlorobenzene
 Concen: 51.942 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

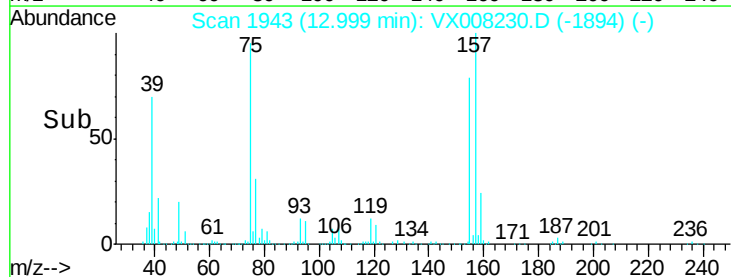
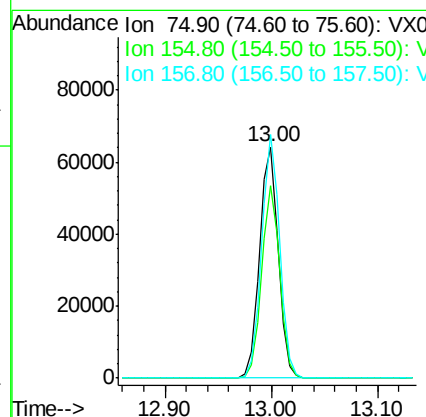
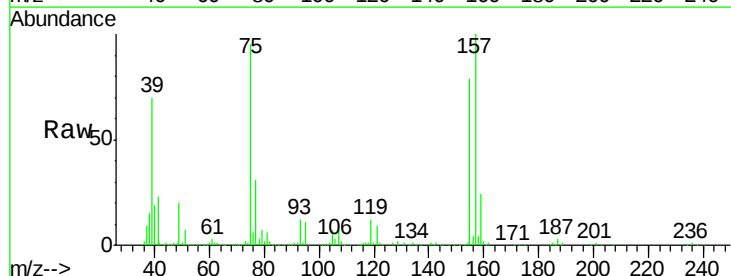
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

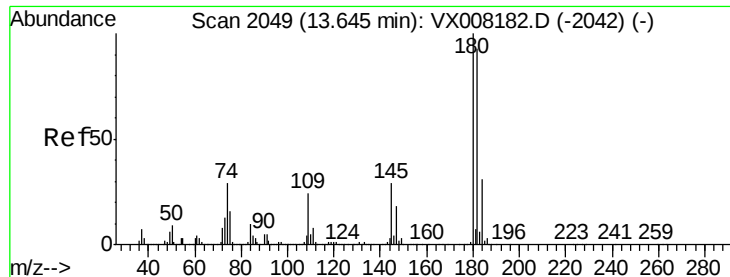
Tot Ion:146 Resp: 452030
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.6 58.8
 148 63.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.750 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 75 Resp: 79145
 Ion Ratio Lower Upper
 75 100
 155 80.4 49.7 149.1
 157 102.1 63.8 191.4

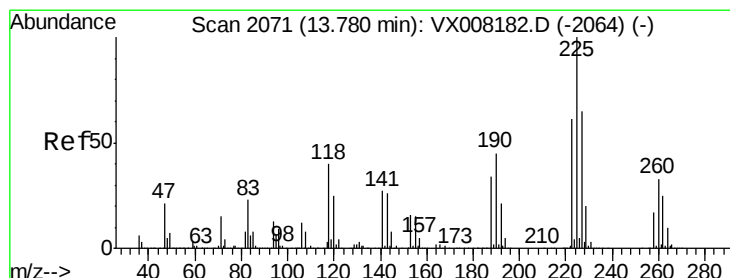
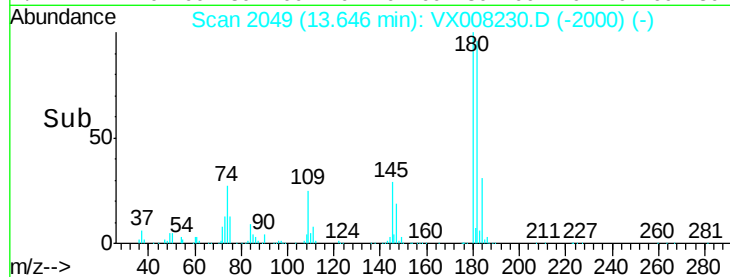
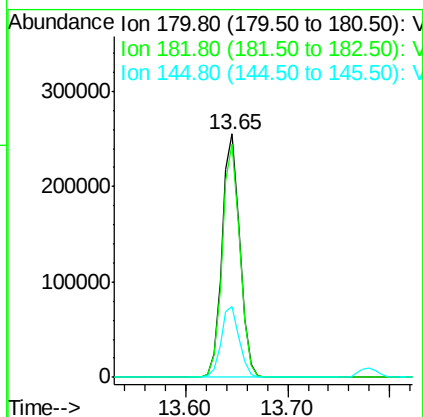
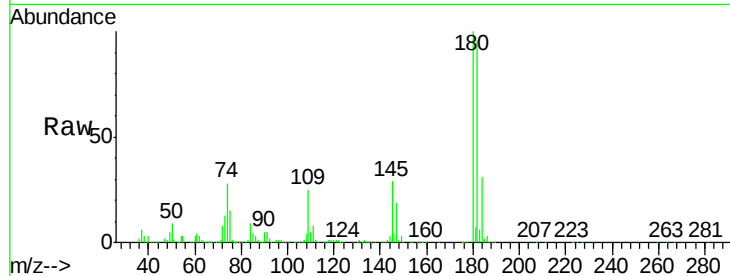




#93
 1,2,4-Trichlorobenzene
 Concen: 53.954 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

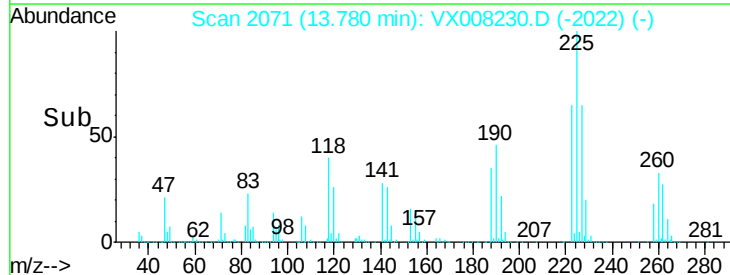
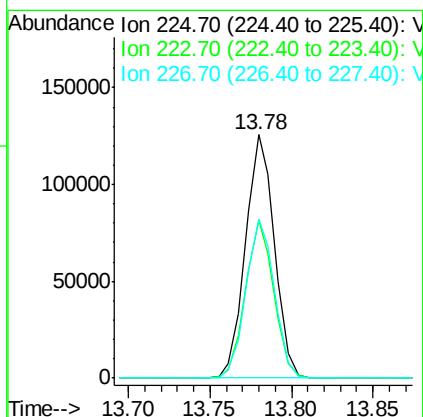
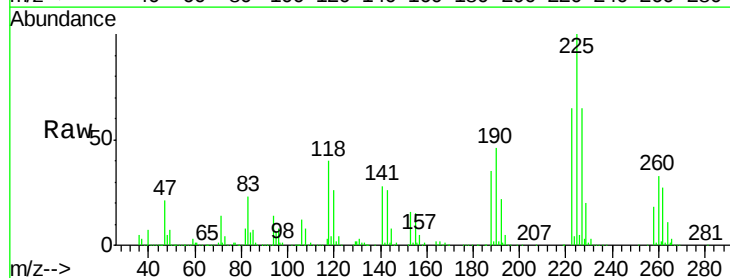
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

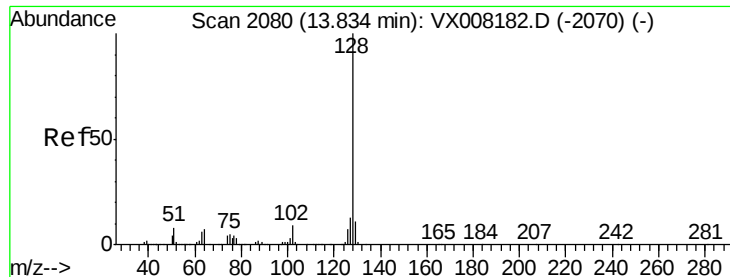
Tot Ion:180 Resp: 309277
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.7
 145 29.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 55.453 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion:225 Resp: 155028
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 64.5 32.0 96.0

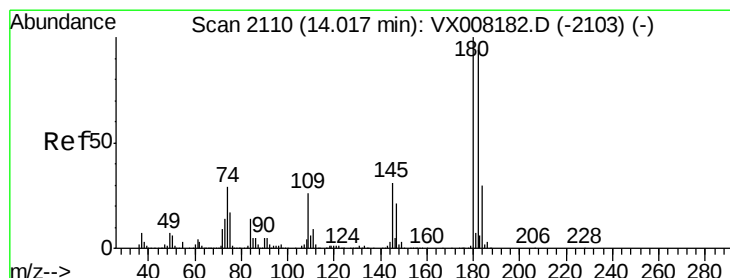
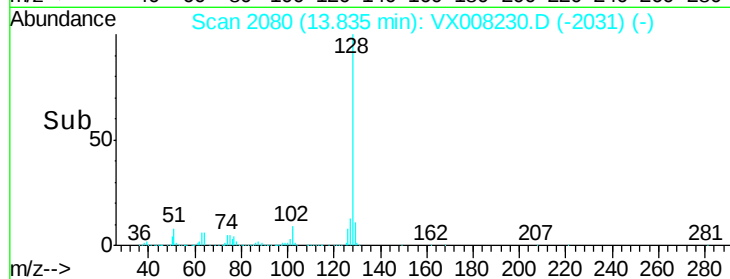
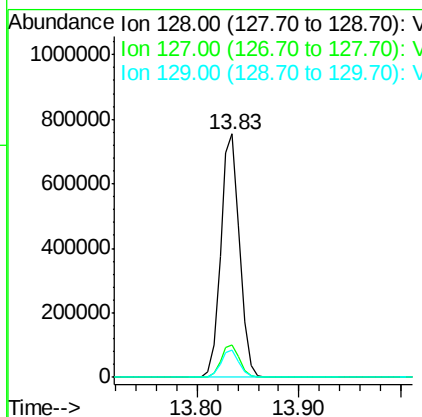
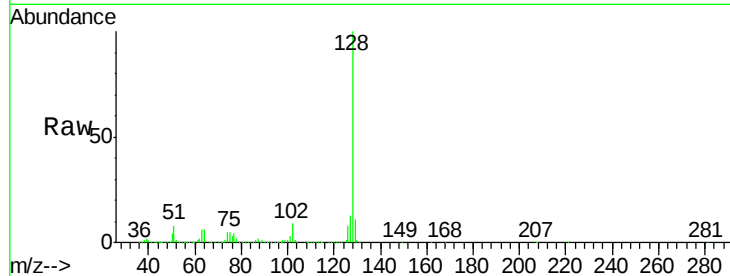




#95
Naphthalene
Concen: 53.199 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 962494
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.913 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:180 Resp: 304090
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.5
145 31.4 14.8 44.3

