

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008260.D
 Acq On : 20 Mar 2019 23:32
 Operator : JC/SP
 Sample : VX0320WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Quant Time: Mar 22 05:37:40 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	5.67	168	278437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	467198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	207327	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	155248	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	8.71	98	591756	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	206770	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	69381	20.553	ug/l	100
3) Chloromethane	1.33	50	82911	19.573	ug/l	99
4) Vinyl Chloride	1.41	62	84337	19.969	ug/l	100
5) Bromomethane	1.64	94	59665	16.585	ug/l	98
6) Chloroethane	1.73	64	53878	20.346	ug/l	98
7) Trichlorofluoromethane	1.93	101	102612	19.038	ug/l	95
8) Diethyl Ether	2.19	74	60632	21.865	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69552	19.436	ug/l	91
10) Methyl Iodide	2.51	142	94677	20.779	ug/l	96
11) Tert butyl alcohol	3.05	59	97577	108.694	ug/l	97
12) 1,1-Dichloroethene	2.38	96	69946	20.704	ug/l	92
13) Acrolein	2.29	56	44176	62.031	ug/l	97
14) Allyl chloride	2.73	41	150870	20.514	ug/l	92
15) Acrylonitrile	3.14	53	254858	107.331	ug/l	99
16) Acetone	2.45	43	226823	95.368	ug/l	97
17) Carbon Disulfide	2.57	76	214469	19.861	ug/l	100
18) Methyl Acetate	2.78	43	126353	22.947	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	258310	21.146	ug/l	99
20) Methylene Chloride	2.86	84	83397	21.028	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	75212	20.608	ug/l	96
22) Diisopropyl ether	3.86	45	305164	21.187	ug/l #	89
23) Vinyl Acetate	3.82	43	1308469	105.958	ug/l	97
24) 1,1-Dichloroethane	3.70	63	156328	21.102	ug/l	99
25) 2-Butanone	4.68	43	370389	105.498	ug/l	99
26) 2,2-Dichloropropane	4.59	77	89963	16.120	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	86755	20.851	ug/l	92
28) Bromochloromethane	5.02	49	66093	19.869	ug/l	84
29) Tetrahydrofuran	5.13	42	241764	110.156	ug/l	97
30) Chloroform	5.21	83	146695	21.169	ug/l	97
31) Cyclohexane	5.58	56	138664	19.933	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	120022	20.821	ug/l	96
36) 1,1-Dichloropropene	5.80	75	109967	20.217	ug/l	97
37) Ethyl Acetate	4.84	43	139541	21.702	ug/l	97
38) Carbon Tetrachloride	5.79	117	99333	20.496	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121163	18.510	ug/l	93
40) Benzene	6.15	78	335844	20.861	ug/l	99
41) Methacrylonitrile	5.04	41	77992	21.624	ug/l	97
42) 1,2-Dichloroethane	6.20	62	122735	20.811	ug/l	96
43) Isopropyl Acetate	6.45	43	218888	21.238	ug/l	97
44) Trichloroethene	7.21	130	80583	20.471	ug/l	89
45) 1,2-Dichloropropane	7.51	63	93675	20.785	ug/l	99
46) Dibromomethane	7.66	93	56080	20.551	ug/l	88
47) Bromodichloromethane	7.90	83	108044	20.776	ug/l	97
48) Methyl methacrylate	7.77	41	115232	21.027	ug/l	93
49) 1,4-Dioxane	7.74	88	41818	432.426	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	733423	110.073	ug/l	97
52) Toluene	8.79	92	198836	20.818	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	112872	18.260	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	127237	19.714	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	82528	21.386	ug/l	96
56) Ethyl methacrylate	9.18	69	134116	20.131	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	144070	21.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	305278	96.552	ug/l	94
59) 2-Hexanone	9.49	43	557527	108.685	ug/l	95
60) Dibromochloromethane	9.58	129	78855	21.262	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86480	21.462	ug/l	98
64) Tetrachloroethene	9.34	164	79088	21.100	ug/l	96
65) Chlorobenzene	10.14	112	209030	20.448	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	73600	20.650	ug/l	98
67) Ethyl Benzene	10.25	91	367849	20.420	ug/l	98
68) m/p-Xylenes	10.36	106	270735	40.913	ug/l	93
69) o-Xylene	10.69	106	133110	20.701	ug/l	95
70) Styrene	10.71	104	217087	20.774	ug/l	96
71) Bromoform	10.85	173	56242	19.710	ug/l #	100
73) Isopropylbenzene	11.02	105	354753	20.670	ug/l	98
74) N-amyl acetate	10.90	43	184747	20.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	127916	20.785	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	147565	27.248	ug/l	91
77) Bromobenzene	11.26	156	86488	20.842	ug/l	86
78) n-propylbenzene	11.36	91	404623	20.298	ug/l	96
79) 2-Chlorotoluene	11.42	91	246673	20.617	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	289832	20.440	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34914	17.400	ug/l	88
82) 4-Chlorotoluene	11.51	91	279515	20.076	ug/l	95
83) tert-Butylbenzene	11.77	119	275150	20.325	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	296959	20.658	ug/l	98
85) sec-Butylbenzene	11.94	105	337654	20.141	ug/l	97
86) p-Isopropyltoluene	12.06	119	290144	19.994	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	149413	20.147	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	149448	19.482	ug/l	97
89) n-Butylbenzene	12.38	91	256433	18.828	ug/l	97
90) Hexachloroethane	12.60	117	49164	19.893	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	151398	20.247	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27629	20.213	ug/l	78

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
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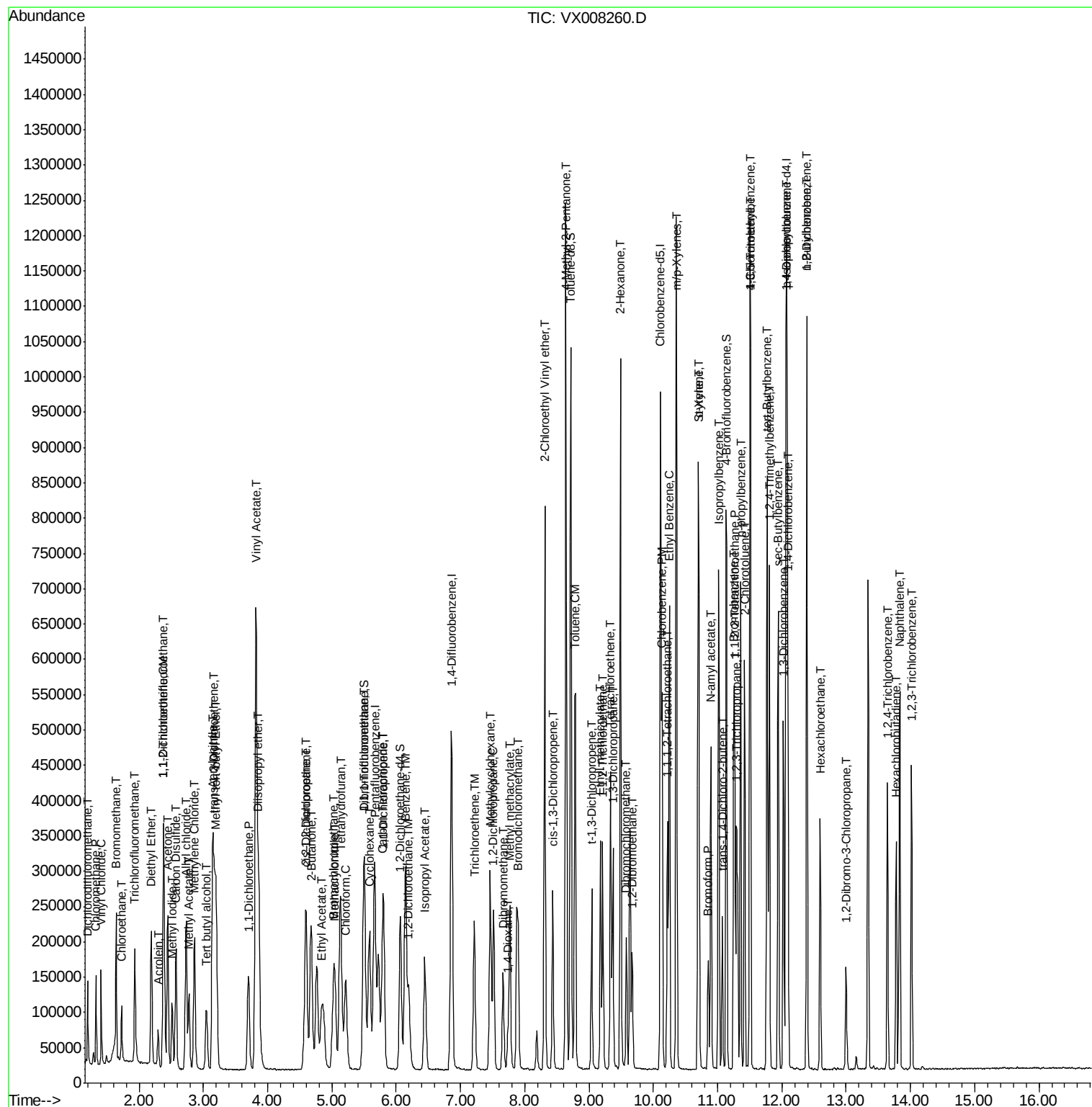
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95587	19.407	ug/l	99
94) Hexachlorobutadiene	13.78	225	46660	19.424	ug/l	99
95) Naphthalene	13.83	128	320814	20.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97694	20.158	ug/l	98

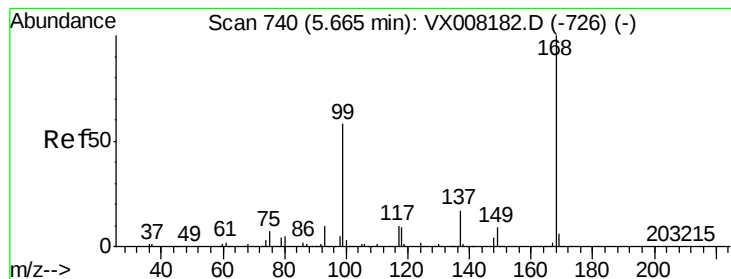
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

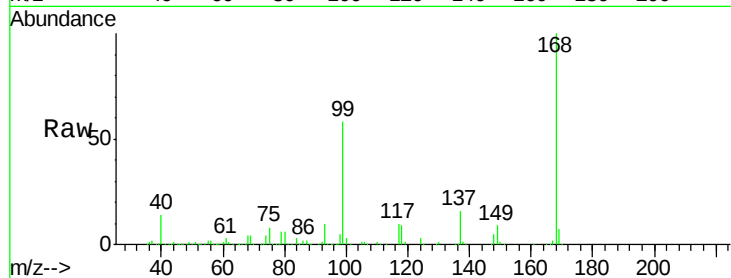
VX0320WBS02

Tot Ion:168 Resp: 278437

Ion Ratio Lower Upper

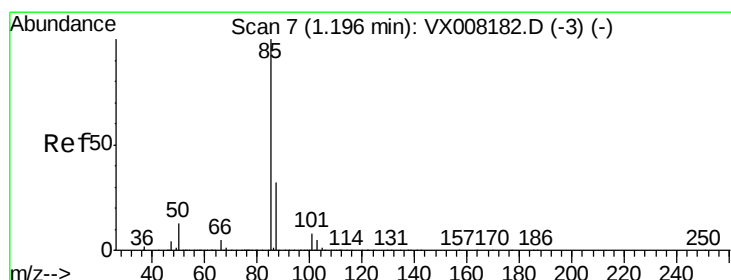
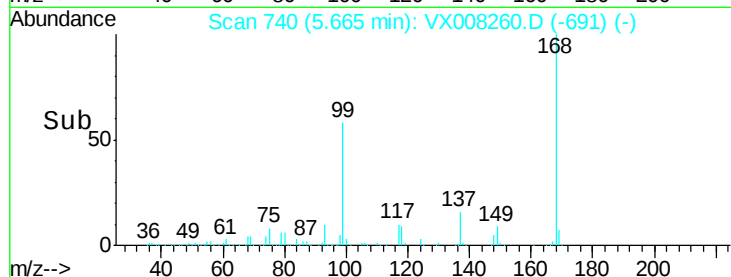
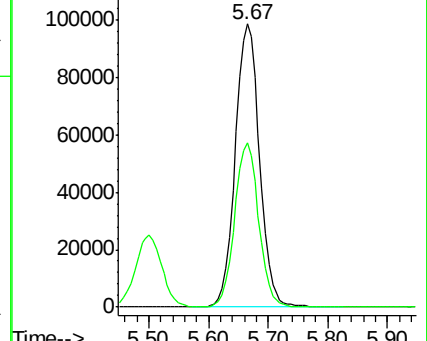
168 100

99 57.9 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: 20.553 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008260.D

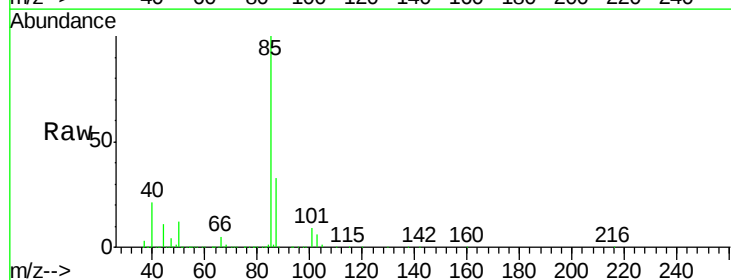
Acq: 20 Mar 2019 23:32

Tgt Ion: 85 Resp: 69381

Ion Ratio Lower Upper

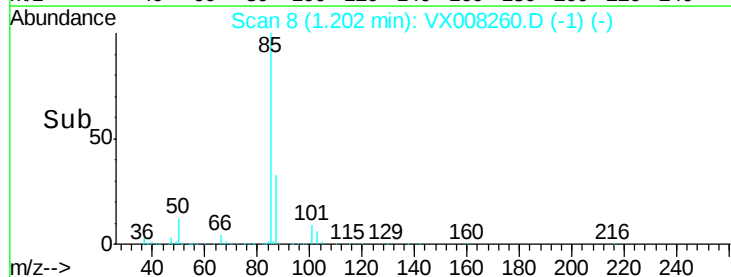
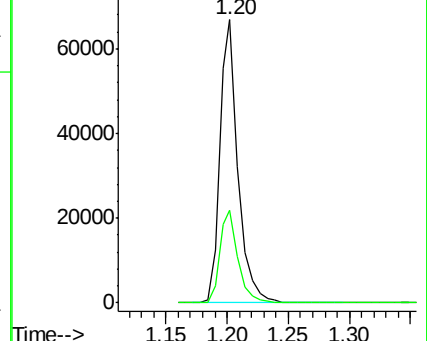
85 100

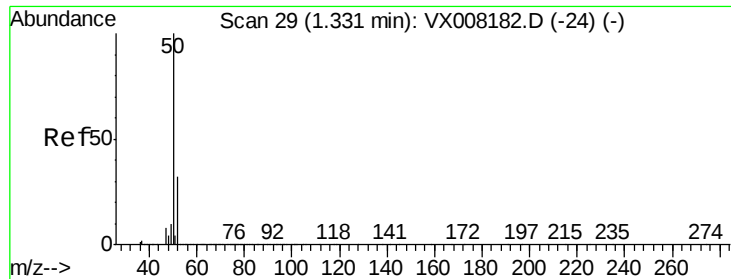
87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.573 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

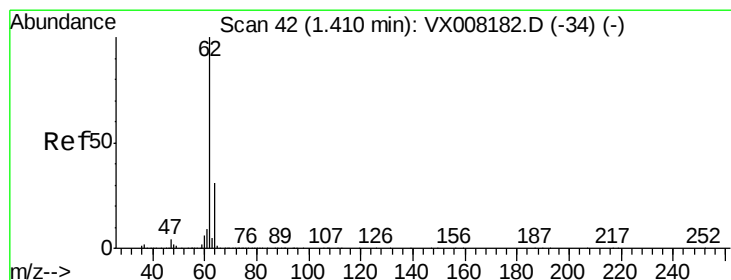
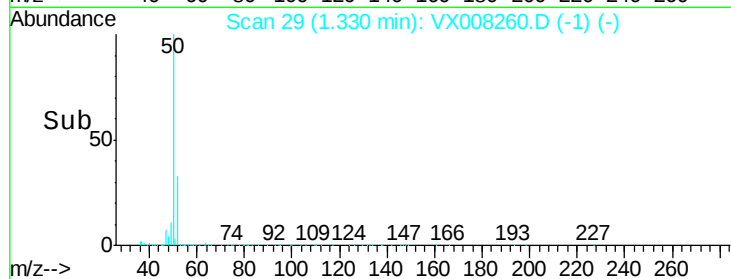
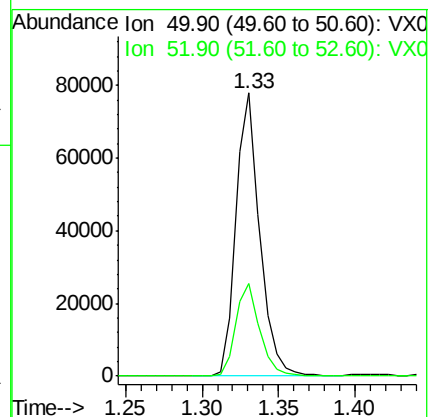
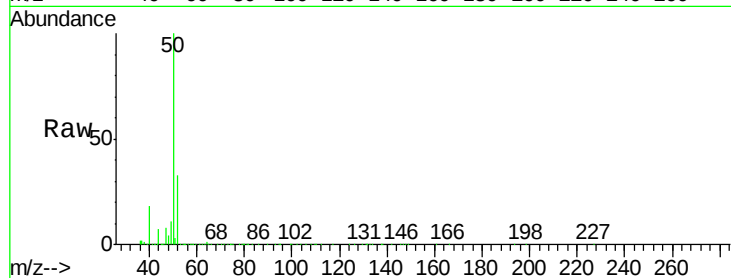
VX0320WBS02

Tot Ion: 50 Resp: 82911

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.969 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008260.D

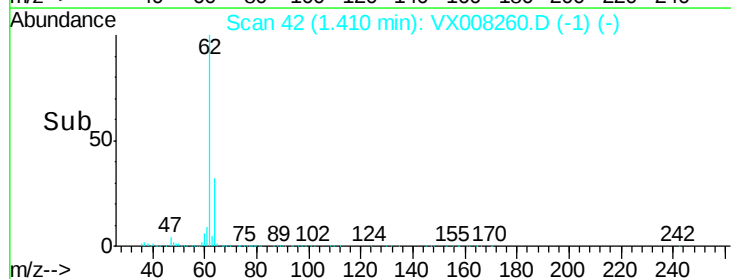
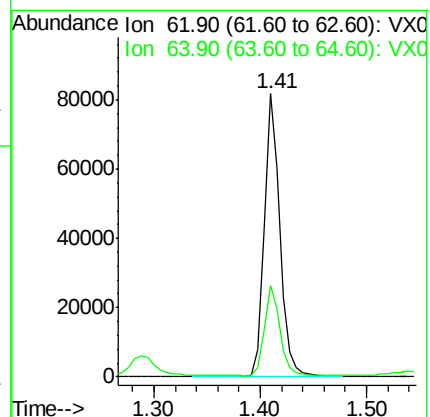
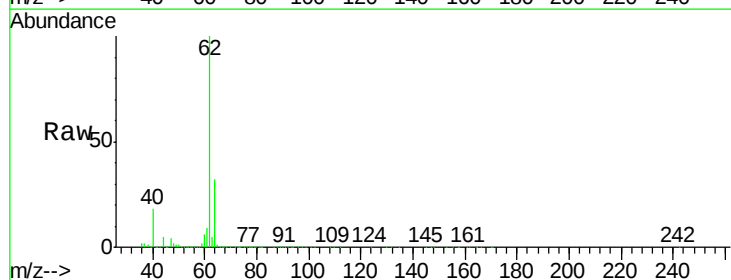
Acq: 20 Mar 2019 23:32

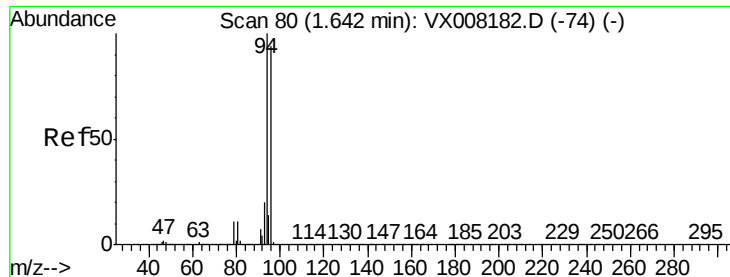
Tgt Ion: 62 Resp: 84337

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 16.585 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

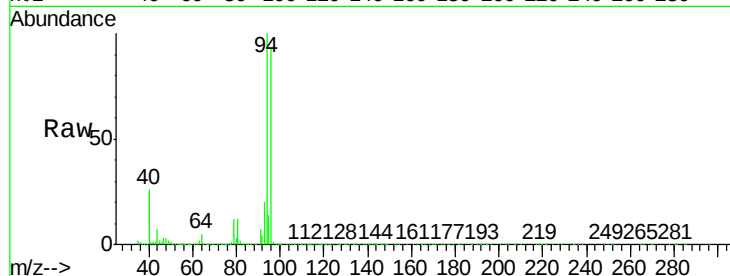
VX0320WBS02

Tot Ion: 94 Resp: 59665

Ion Ratio Lower Upper

94 100

96 92.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

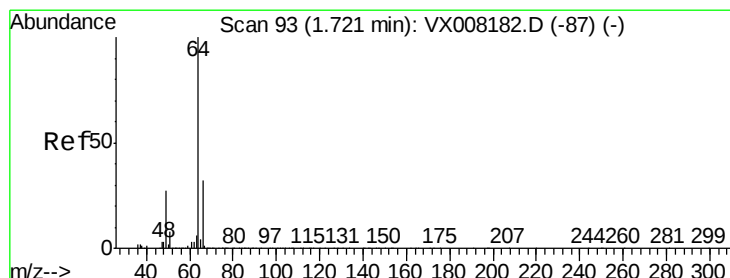
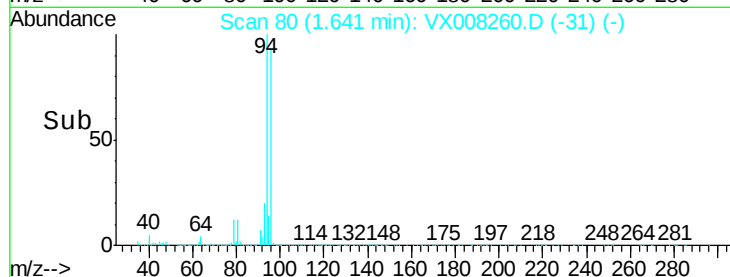
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.346 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008260.D

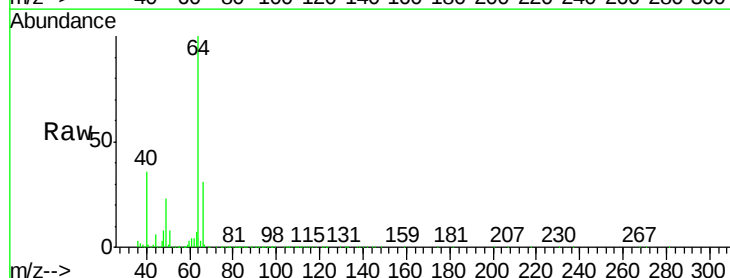
Acq: 20 Mar 2019 23:32

Tgt Ion: 64 Resp: 53878

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

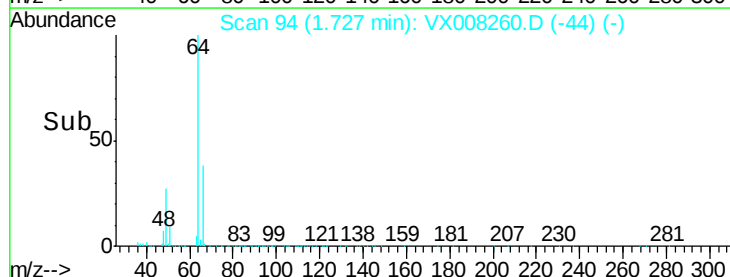
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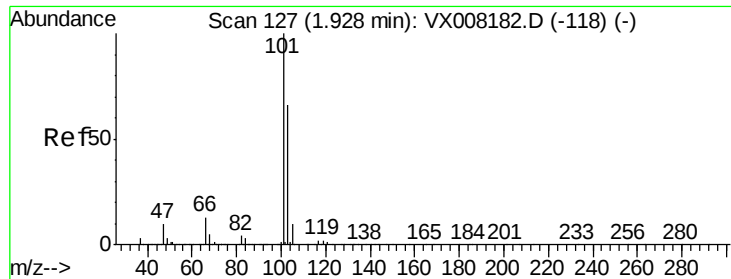
20000

10000

0

Time--> 1.70 1.80



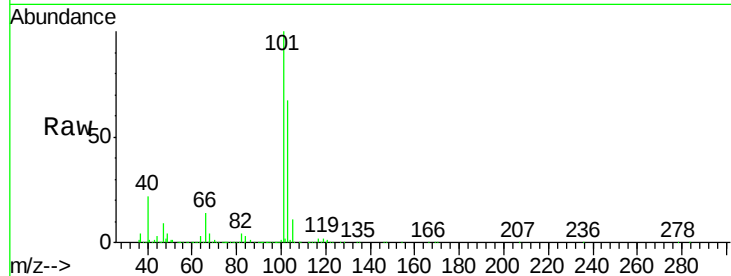


#7

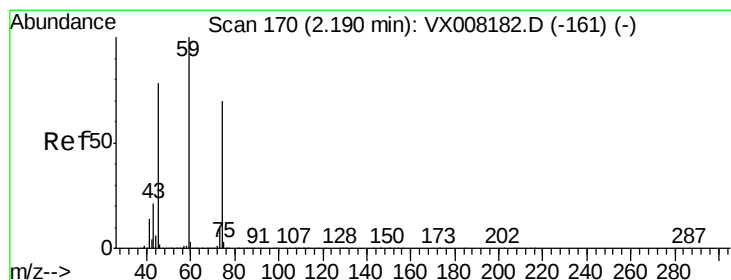
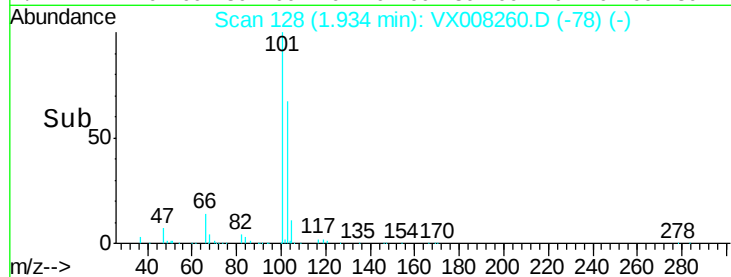
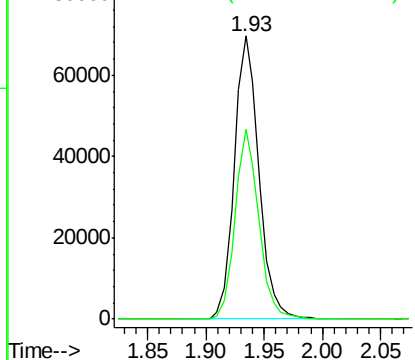
Trichlorofluoromethane
Concen: 19.038 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion:101 Resp: 102612
Ion Ratio Lower Upper
101 100
103 67.0 50.4 75.6



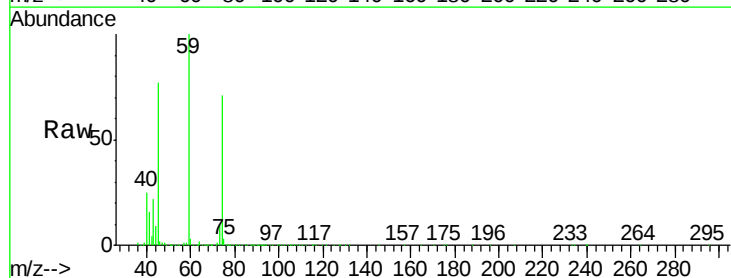
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



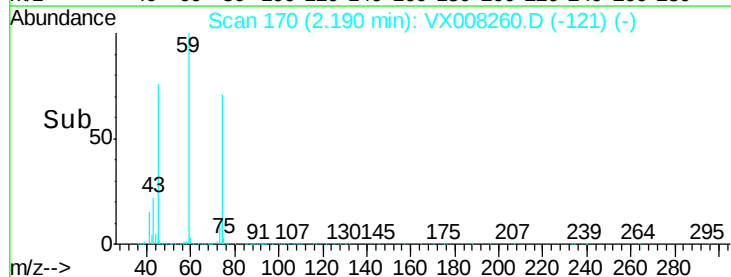
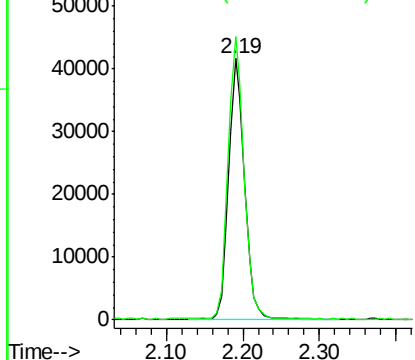
#8

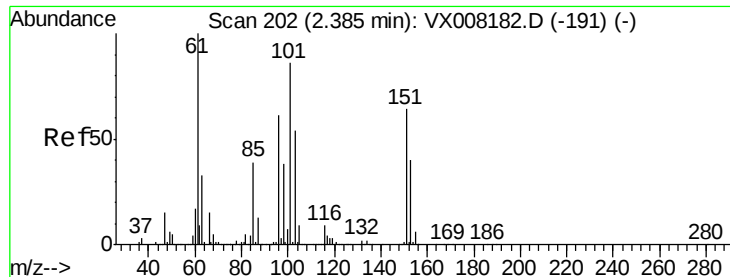
Diethyl Ether
Concen: 21.865 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 74 Resp: 60632
Ion Ratio Lower Upper
74 100
45 106.7 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.436 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

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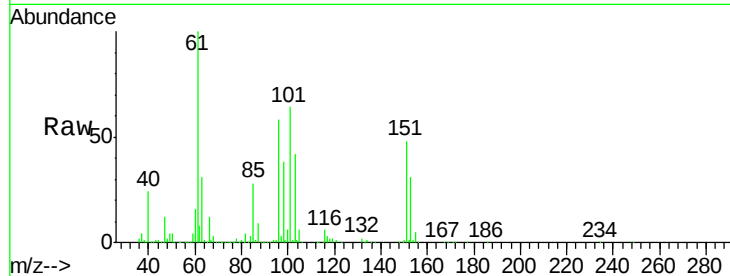
Tot Ion:101 Resp: 69552

Ion Ratio Lower Upper

101 100

85 45.2 33.8 50.6

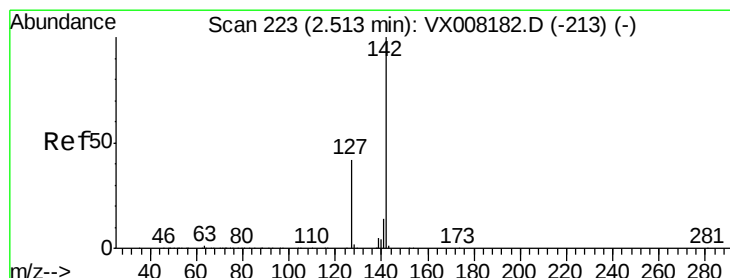
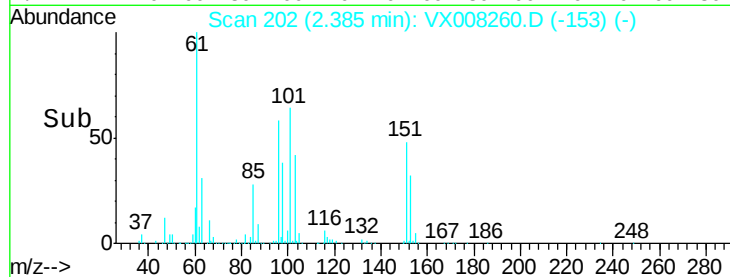
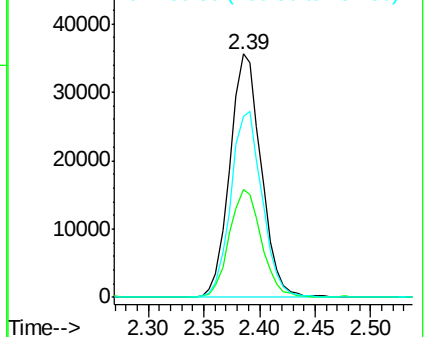
151 76.3 69.1 103.7



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: 20.779 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

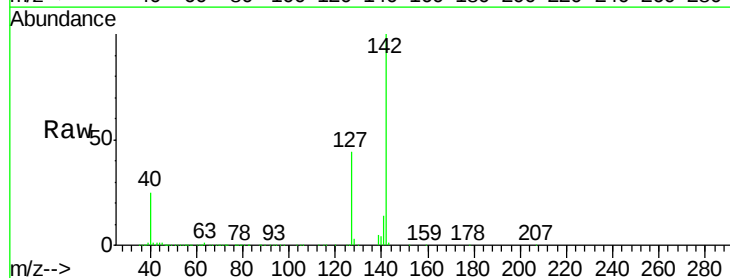
Tgt Ion:142 Resp: 94677

Ion Ratio Lower Upper

142 100

127 42.9 32.1 48.1

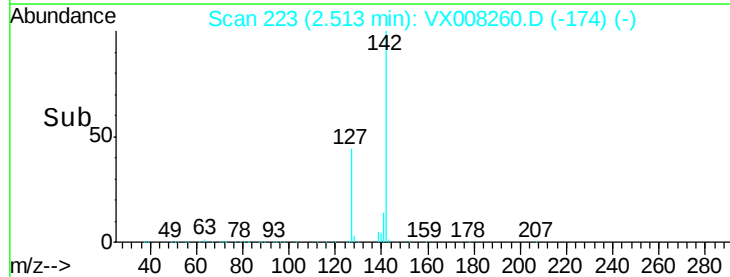
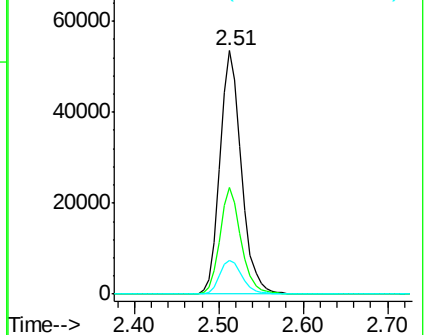
141 14.7 11.4 17.2

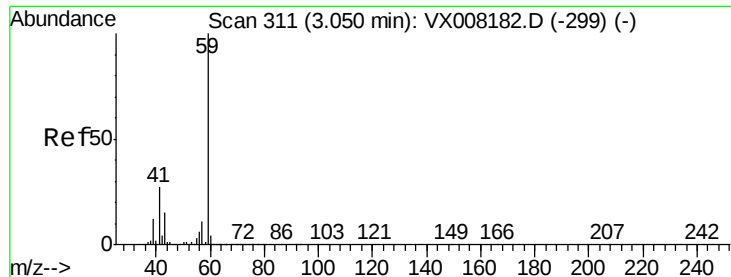


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



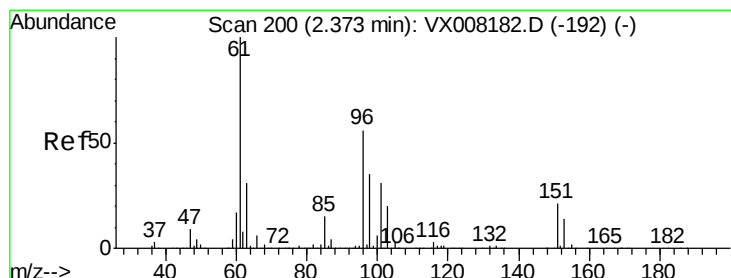
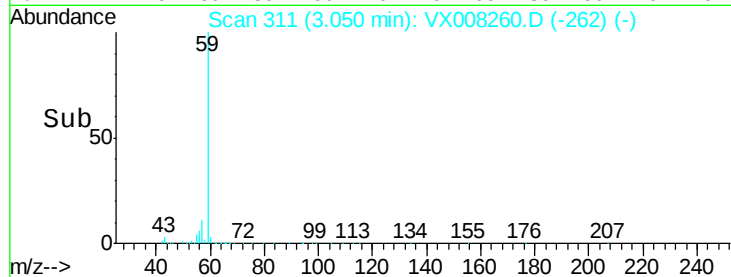
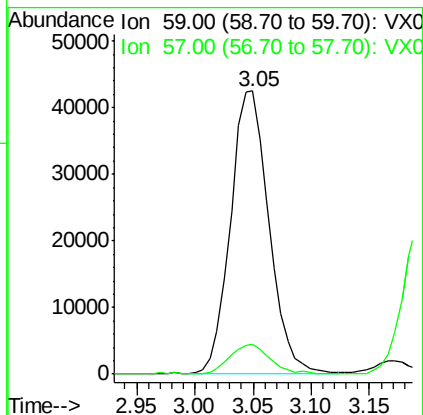
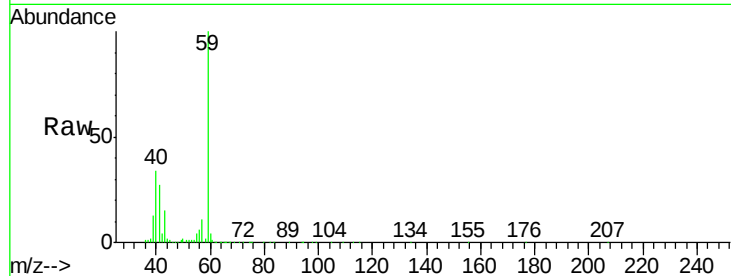


#11

Tert butyl alcohol
Concen: 108.694 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

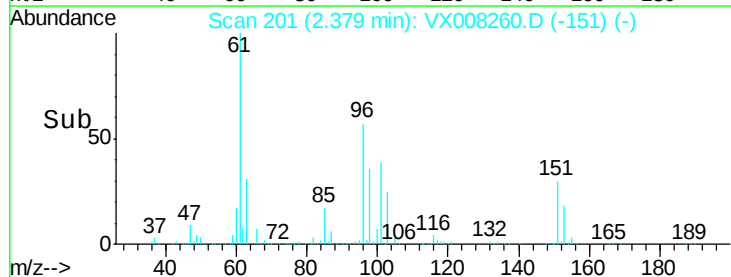
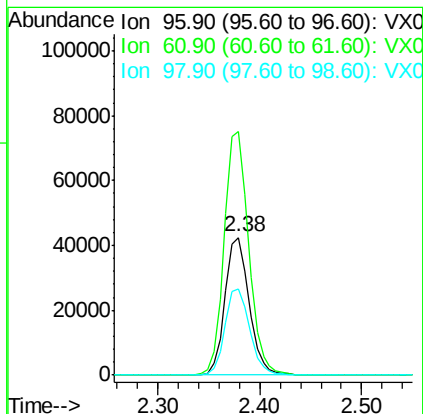
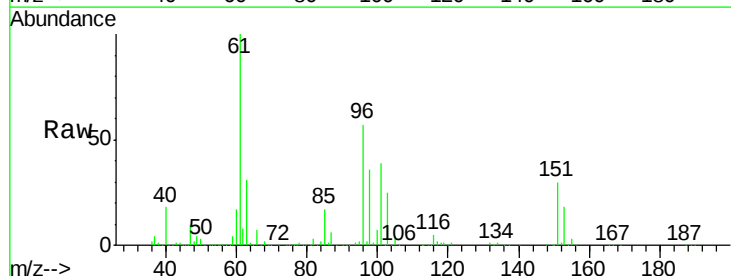
Tot Ion: 59 Resp: 97577
Ion Ratio Lower Upper
59 100
57 11.3 8.2 12.2

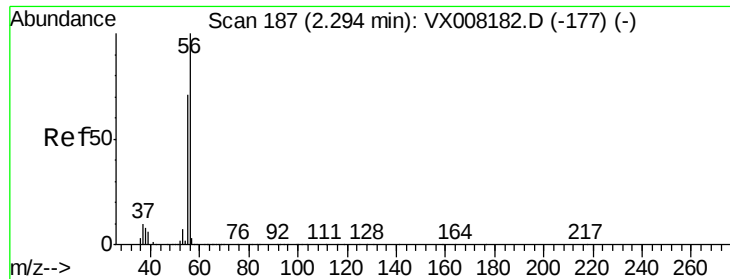


#12

1,1-Dichloroethene
Concen: 20.704 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 96 Resp: 69946
Ion Ratio Lower Upper
96 100
61 176.2 129.8 194.6
98 62.9 51.0 76.6





#13

Acrolein

Concen: 62.031 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

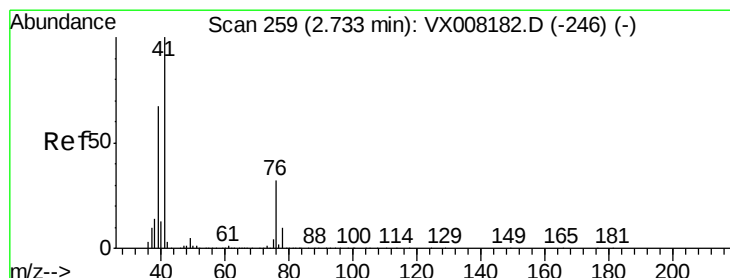
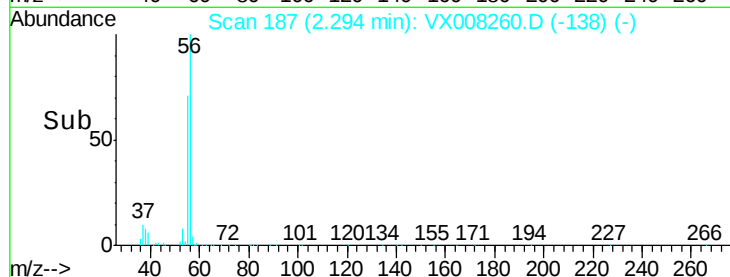
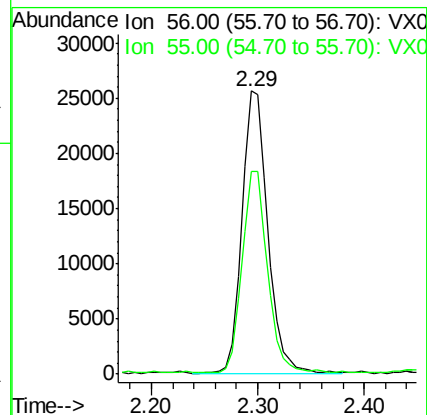
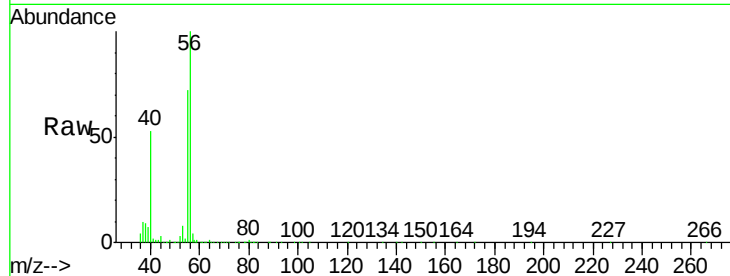
VX0320WBS02

Tot Ion: 56 Resp: 44176

Ion Ratio Lower Upper

56 100

55 69.8 57.8 86.6



#14

Allyl chloride

Concen: 20.514 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

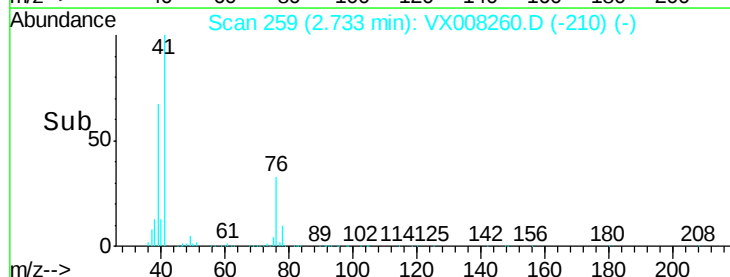
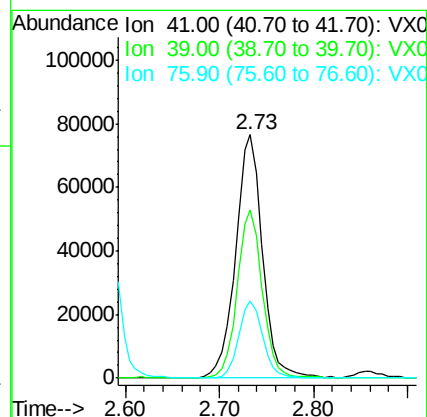
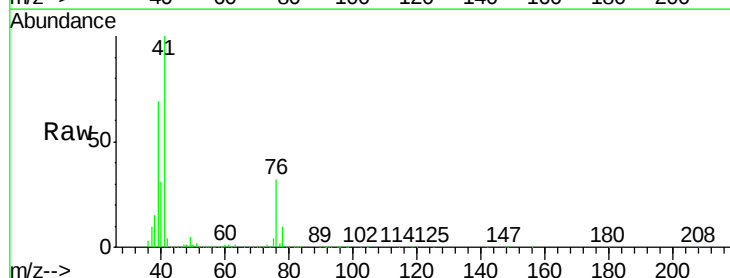
Tgt Ion: 41 Resp: 150870

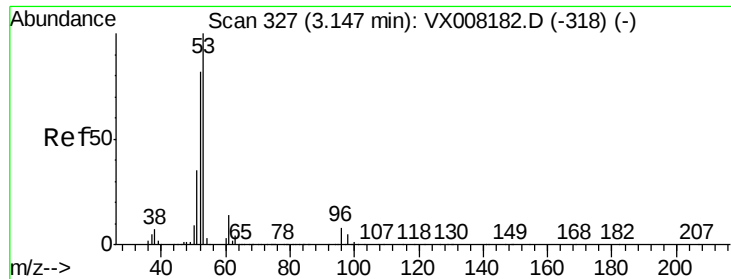
Ion Ratio Lower Upper

41 100

39 65.5 46.1 69.1

76 28.3 24.0 36.0





#15

Acrylonitrile

Concen: 107.331 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

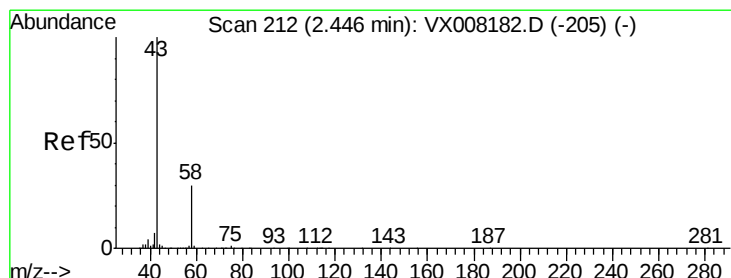
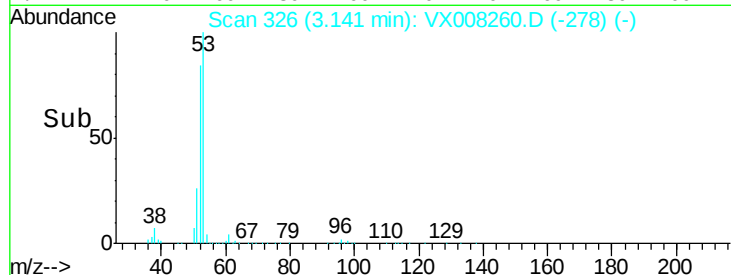
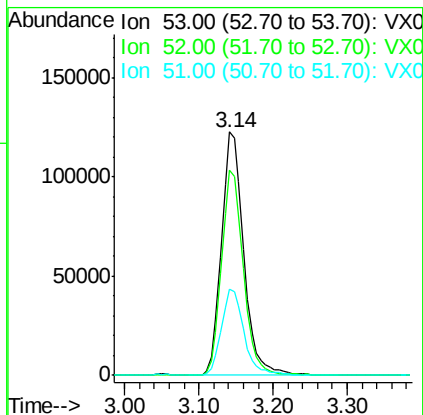
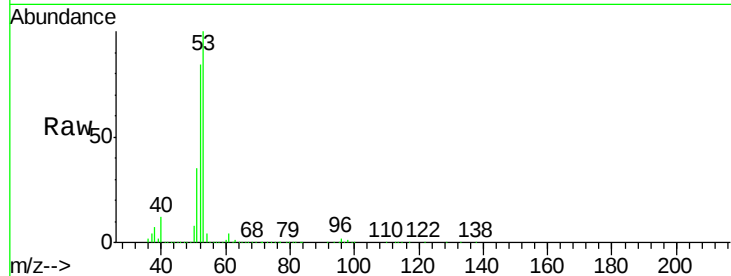
Tot Ion: 53 Resp: 254858

Ion Ratio Lower Upper

53 100

52 82.8 66.0 99.0

51 36.5 28.0 42.0



#16

Acetone

Concen: 95.368 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008260.D

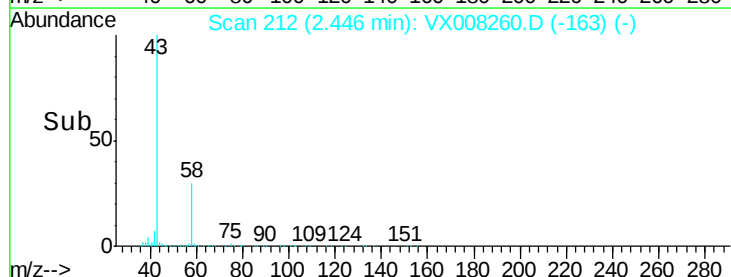
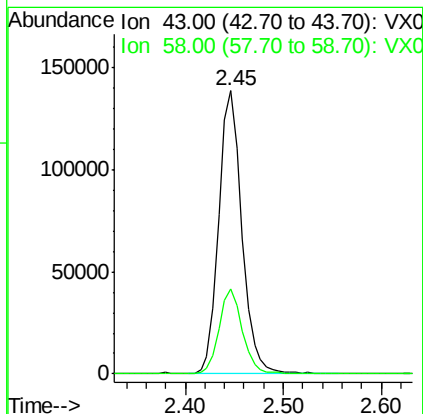
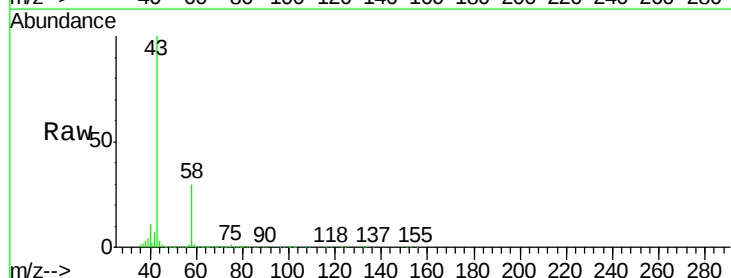
Acq: 20 Mar 2019 23:32

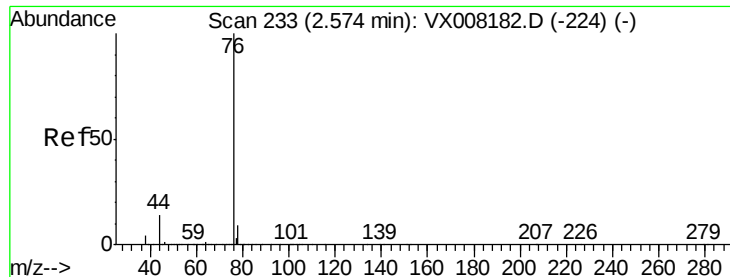
Tgt Ion: 43 Resp: 226823

Ion Ratio Lower Upper

43 100

58 30.0 25.5 38.3





#17

Carbon Disulfide

Concen: 19.861 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

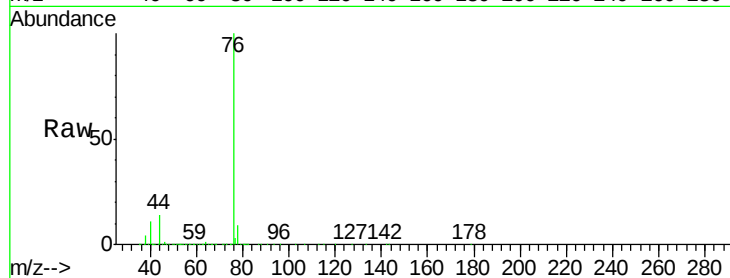
VX0320WBS02

Tot Ion: 76 Resp: 214469

Ion Ratio Lower Upper

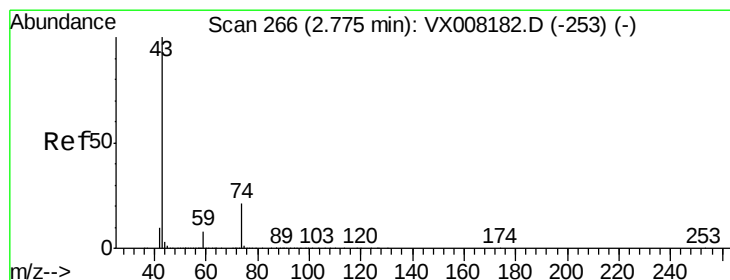
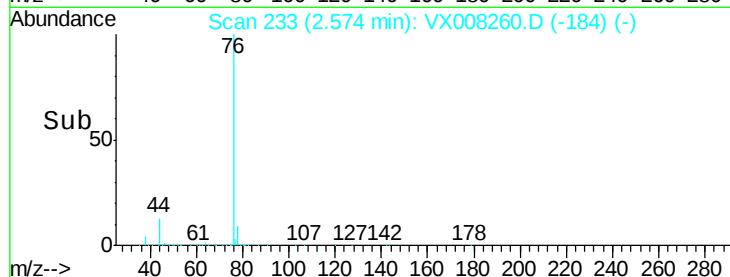
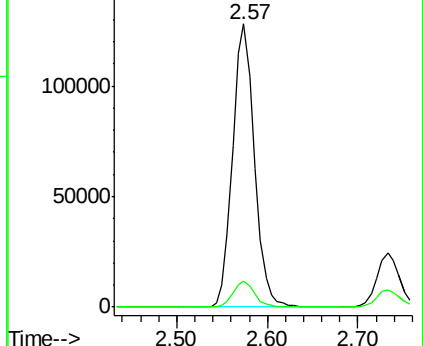
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.947 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008260.D

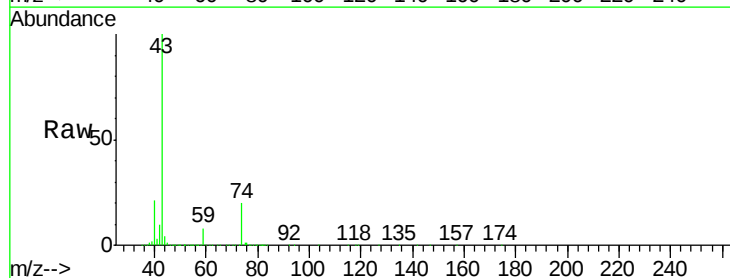
Acq: 20 Mar 2019 23:32

Tgt Ion: 43 Resp: 126353

Ion Ratio Lower Upper

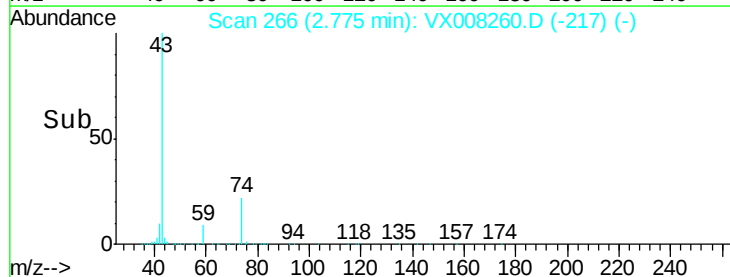
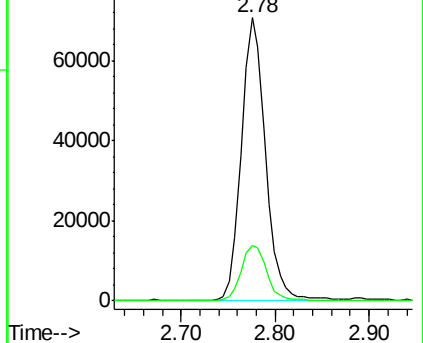
43 100

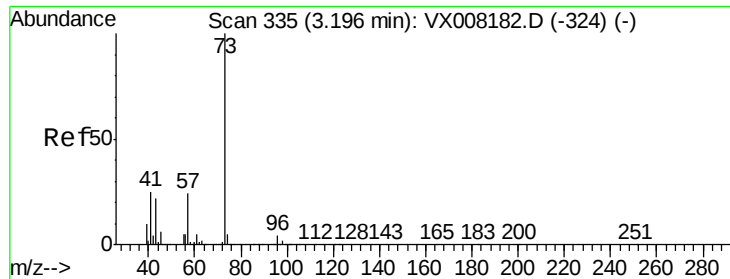
74 21.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 21.146 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

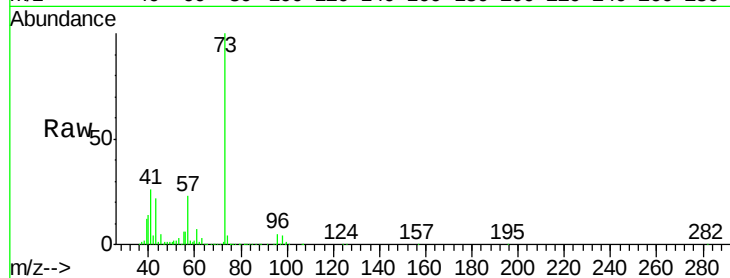
VX0320WBS02

Tot Ion: 73 Resp: 258310

Ion Ratio Lower Upper

73 100

57 23.4 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

120000

100000

80000

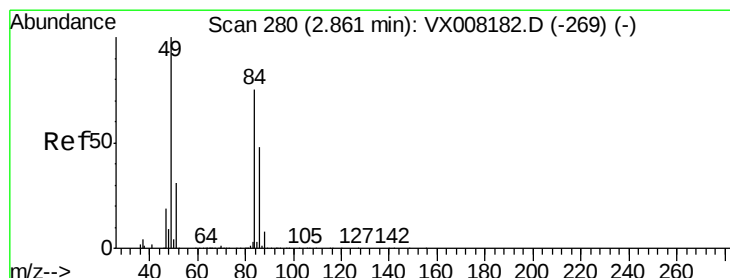
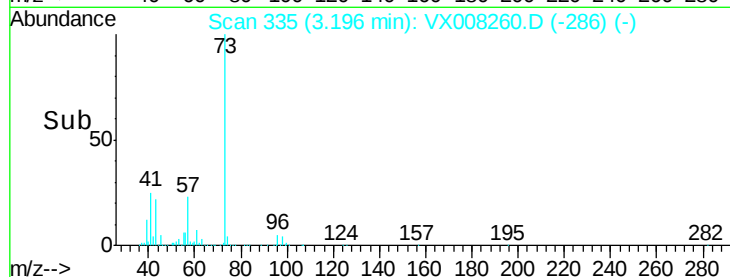
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 21.028 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion: 84 Resp: 83397

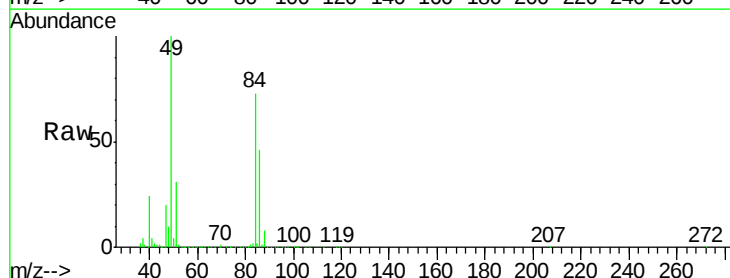
Ion Ratio Lower Upper

84 100

49 136.5 99.3 148.9

51 41.4 31.3 46.9

86 63.1 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

80000

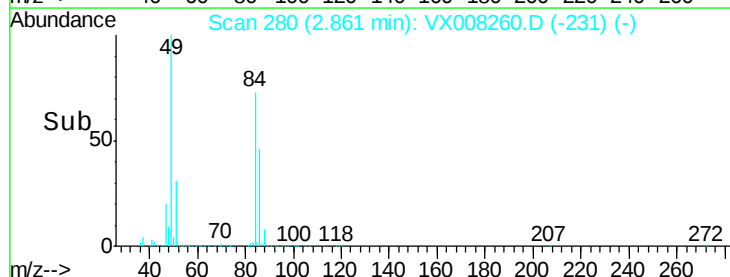
60000

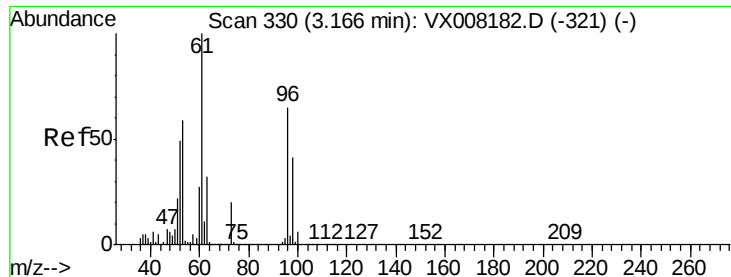
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 20.608 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

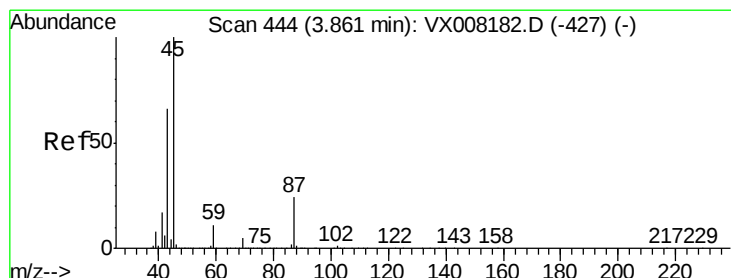
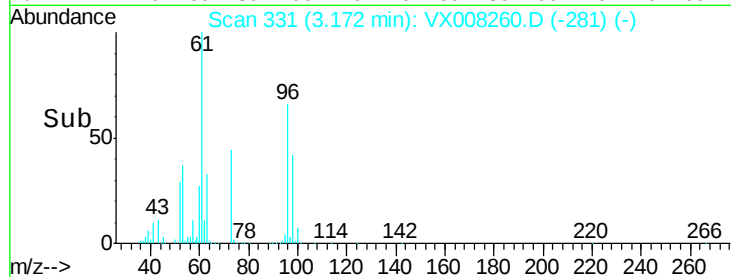
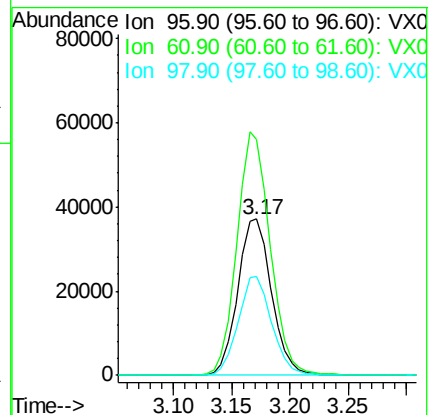
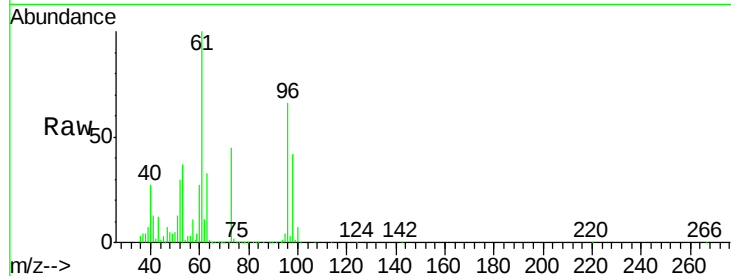
Tot Ion: 96 Resp: 75212

Ion Ratio Lower Upper

96 100

61 150.6 114.4 171.6

98 63.6 51.1 76.7



#22

Diisopropyl ether

Concen: 21.187 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion: 45 Resp: 305164

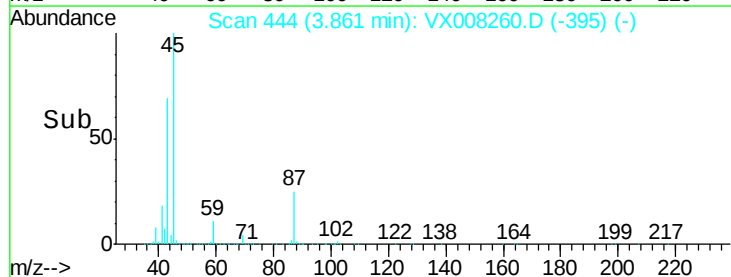
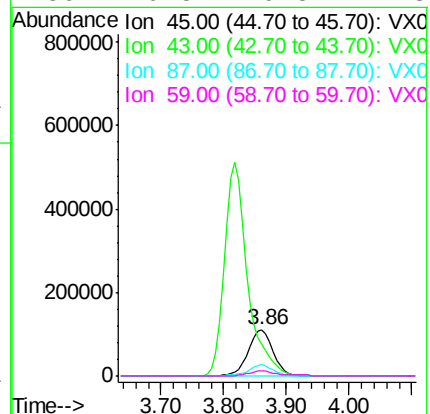
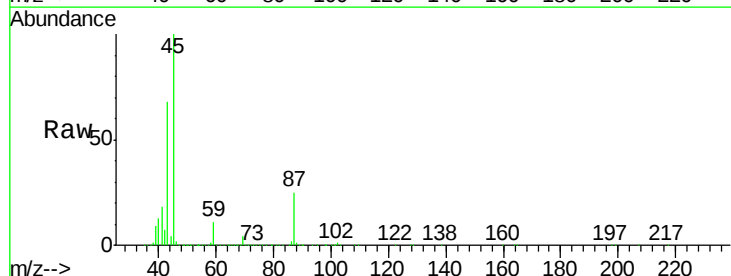
Ion Ratio Lower Upper

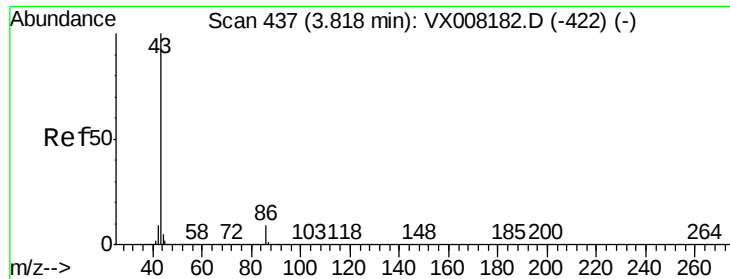
45 100

43 68.4 45.3 67.9#

87 24.6 21.4 32.0

59 10.8 9.5 14.3





#23

Vinyl Acetate

Concen: 105.958 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

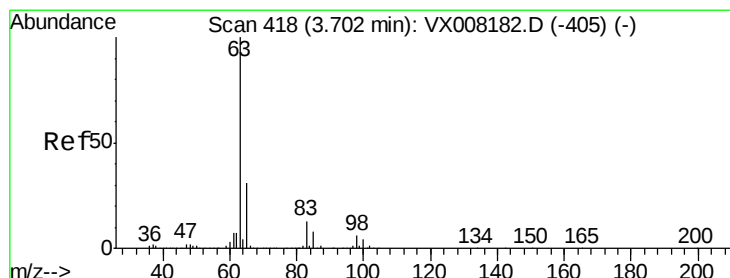
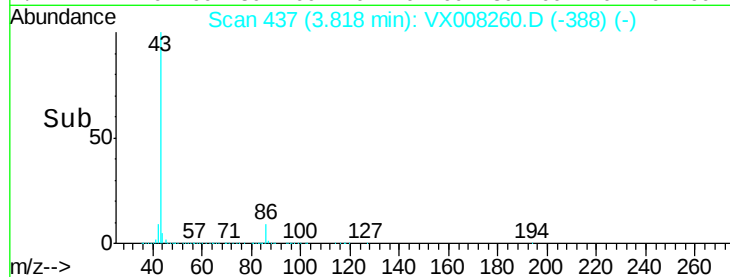
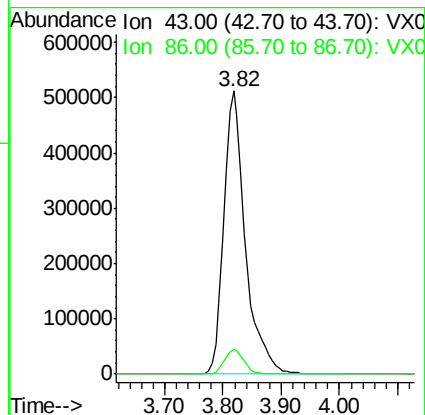
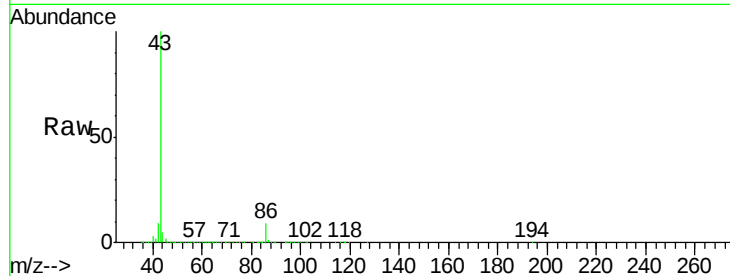
VX0320WBS02

Tot Ion: 43 Resp: 1308469

Ion Ratio Lower Upper

43 100

86 8.8 7.9 11.9



#24

1,1-Dichloroethane

Concen: 21.102 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

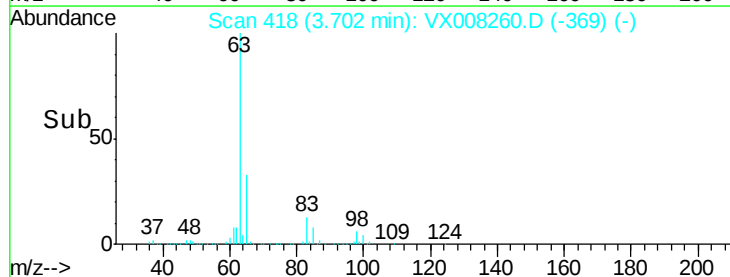
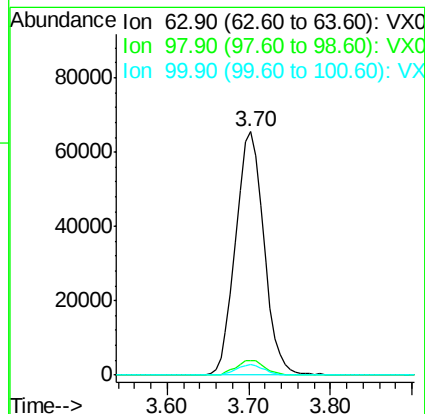
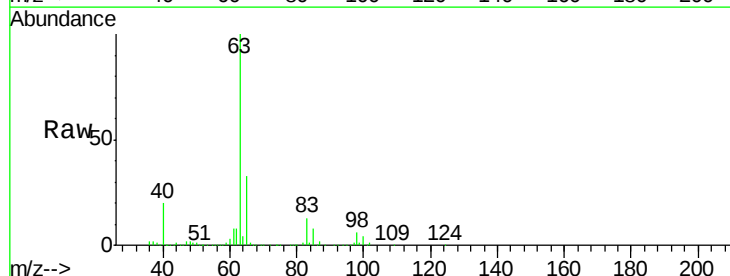
Tgt Ion: 63 Resp: 156328

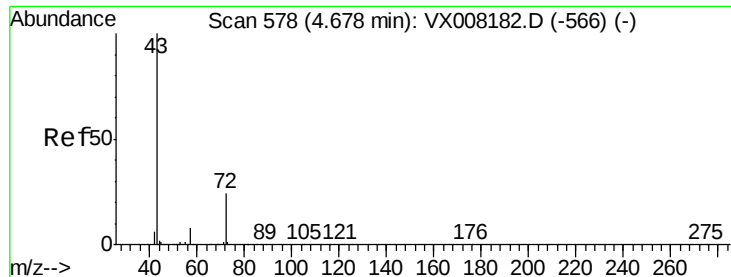
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 105.498 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

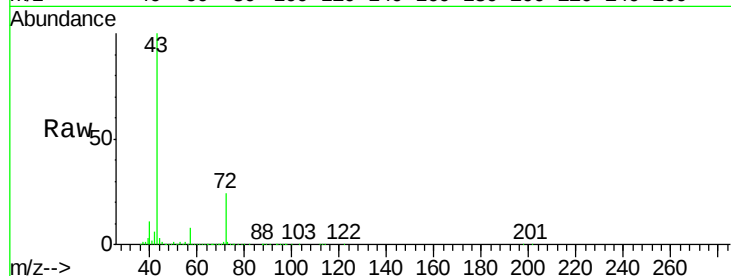
VX0320WBS02

Tot Ion: 43 Resp: 370389

Ion Ratio Lower Upper

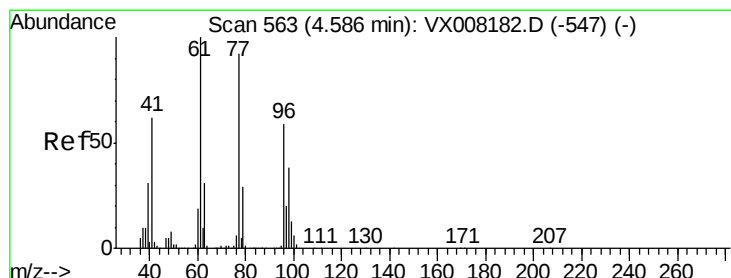
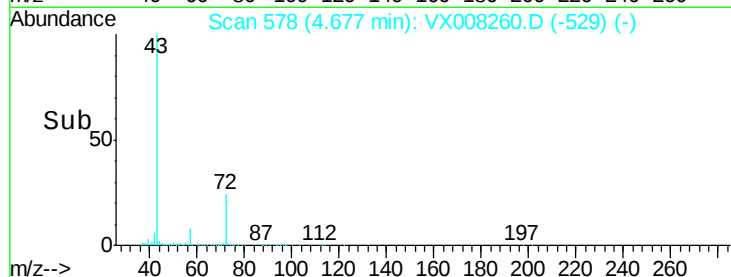
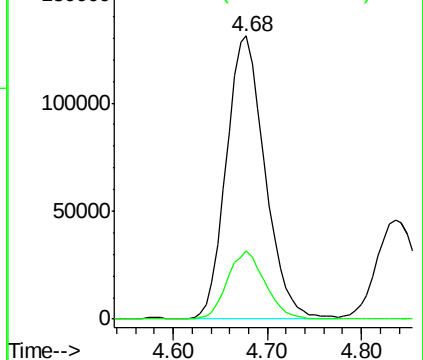
43 100

72 24.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.120 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX008260.D

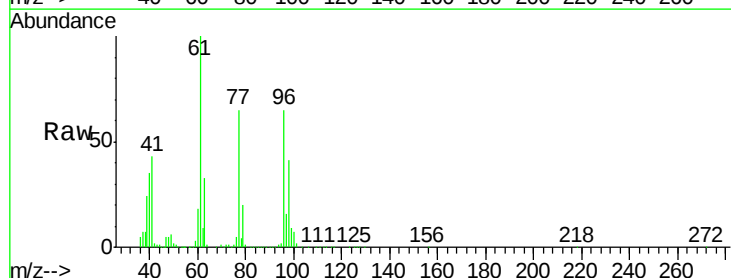
Acq: 20 Mar 2019 23:32

Tgt Ion: 77 Resp: 89963

Ion Ratio Lower Upper

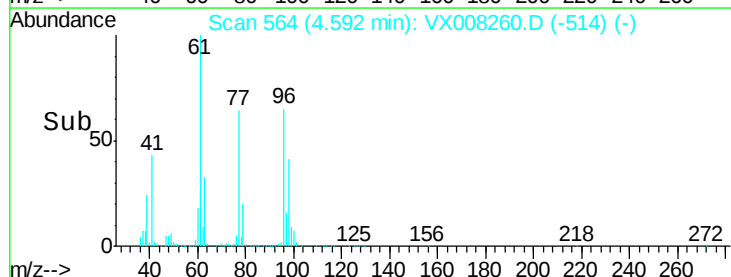
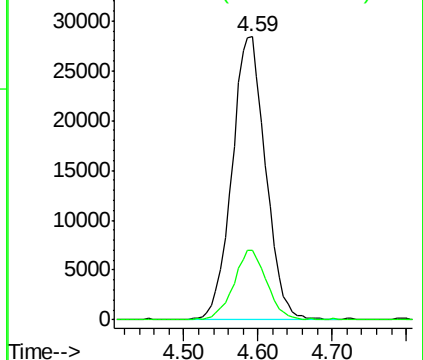
77 100

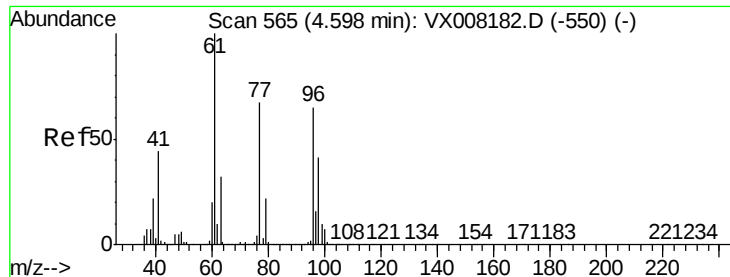
97 24.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



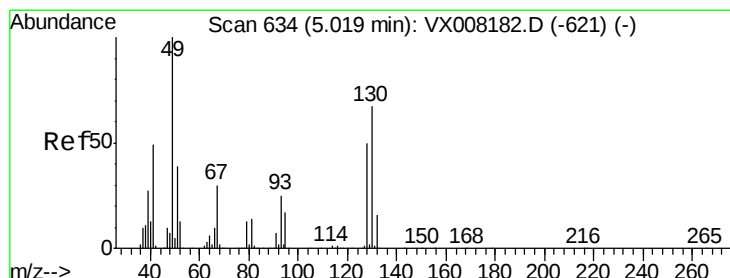
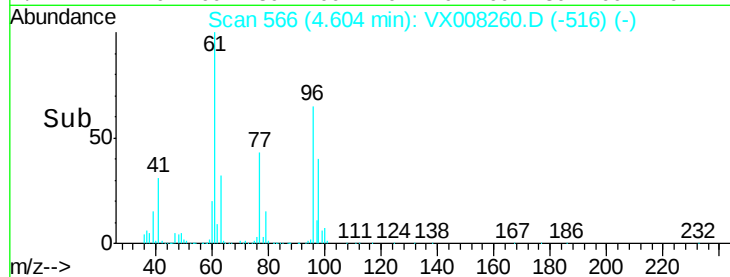
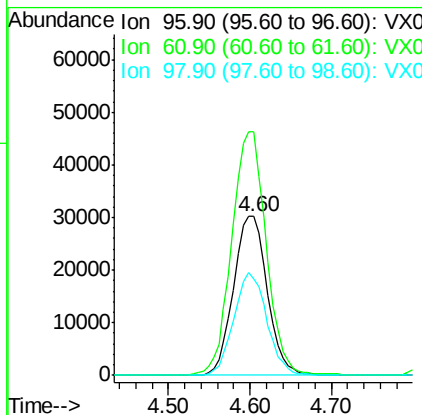
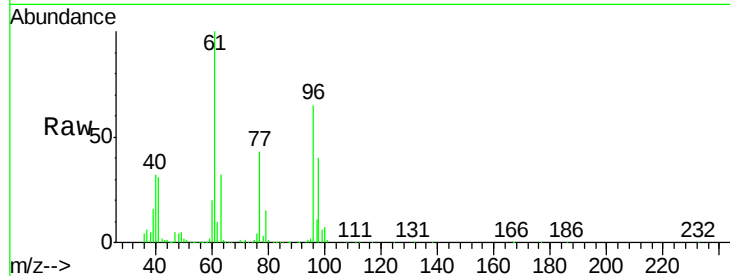


#27

cis-1,2-Dichloroethene
Concen: 20.851 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

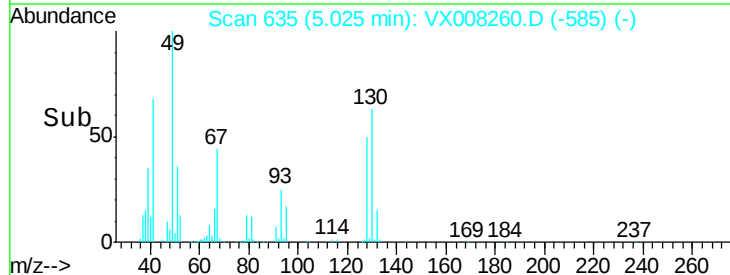
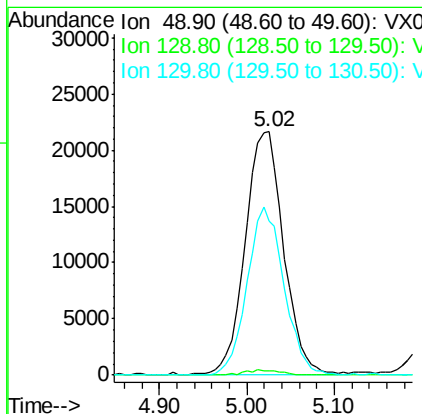
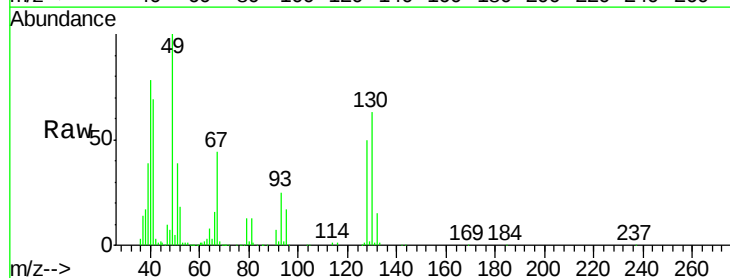
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	288.0
98	63.4	0.0	129.0

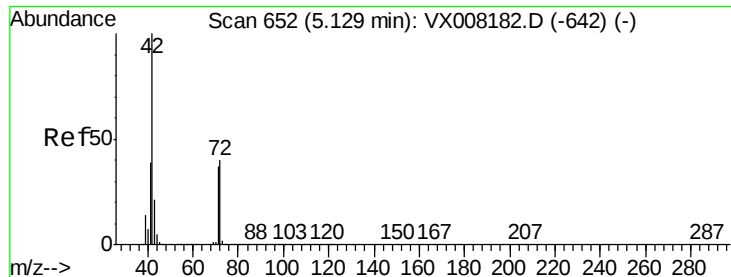


#28

Bromochloromethane
Concen: 19.869 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	66.3	65.0	97.4





#29

Tetrahydrofuran

Concen: 110.156 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

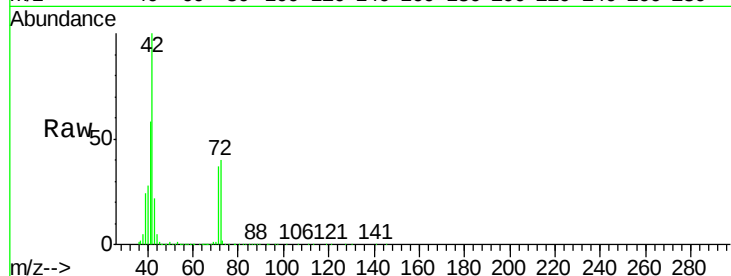
Tot Ion: 42 Resp: 241764

Ion Ratio Lower Upper

42 100

72 40.3 33.8 50.6

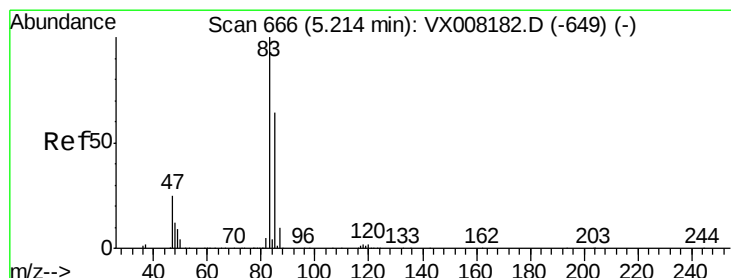
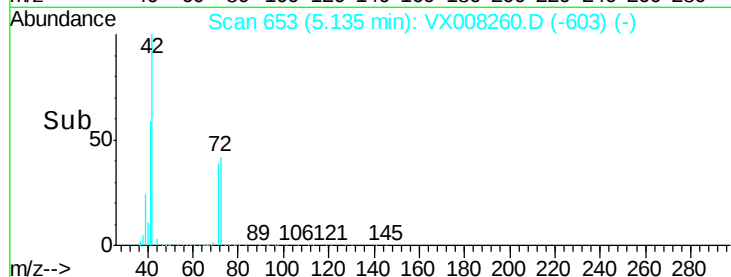
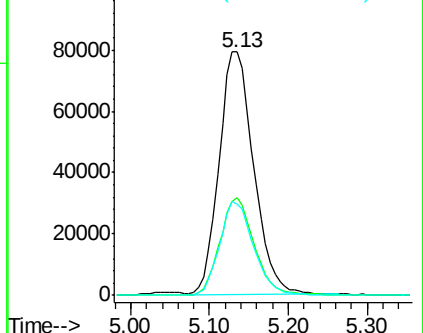
71 38.0 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 21.169 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008260.D

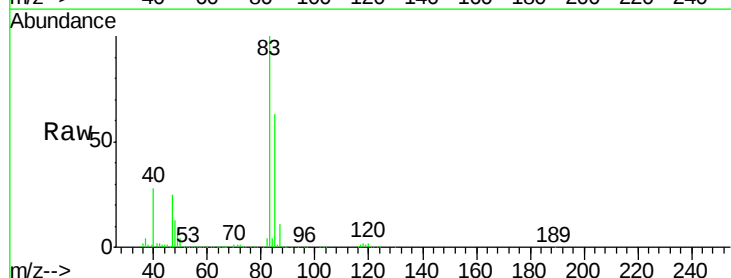
Acq: 20 Mar 2019 23:32

Tgt Ion: 83 Resp: 146695

Ion Ratio Lower Upper

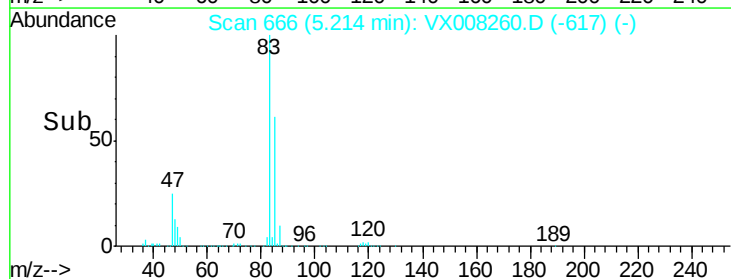
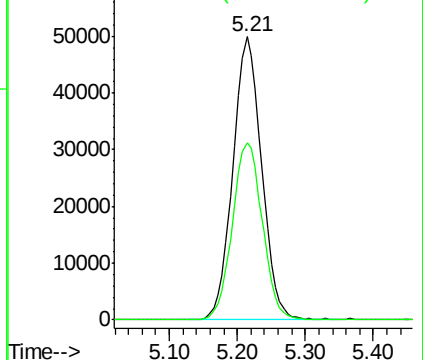
83 100

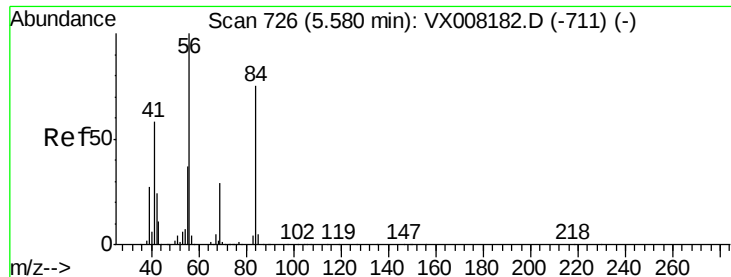
85 62.7 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.933 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

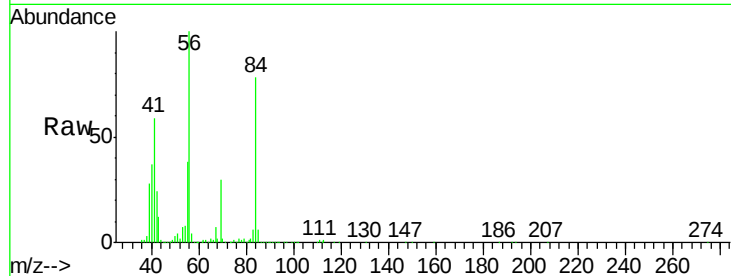
Tot Ion: 56 Resp: 138664

Ion Ratio Lower Upper

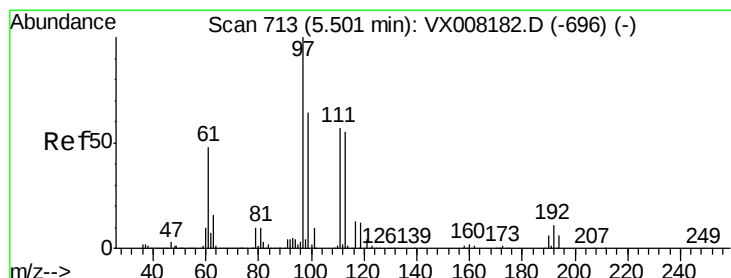
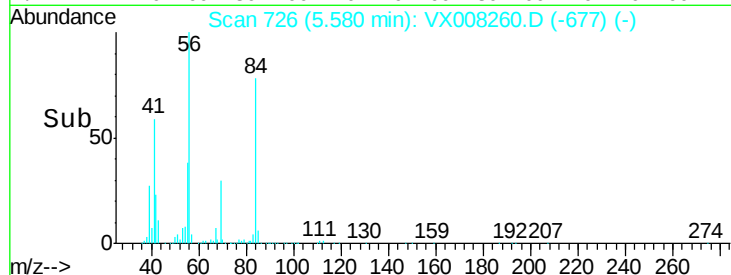
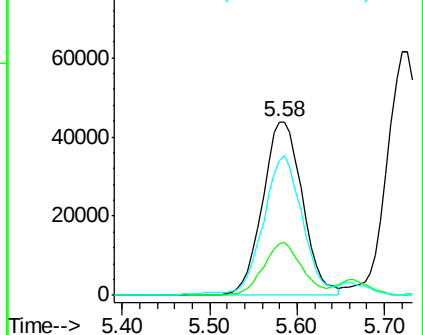
56 100

69 29.9 24.0 36.0

84 77.0 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 20.821 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

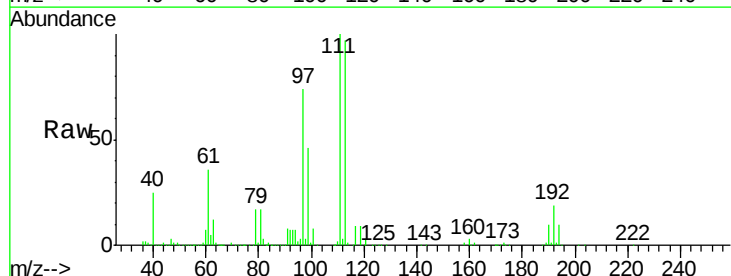
Tgt Ion: 97 Resp: 120022

Ion Ratio Lower Upper

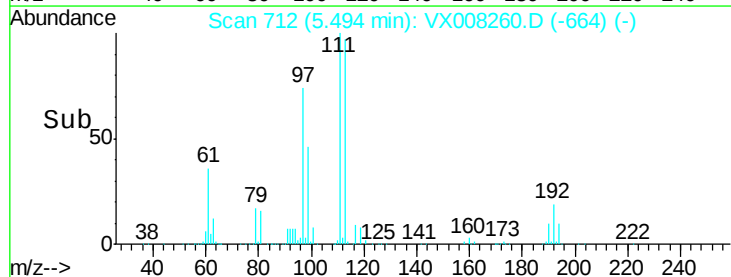
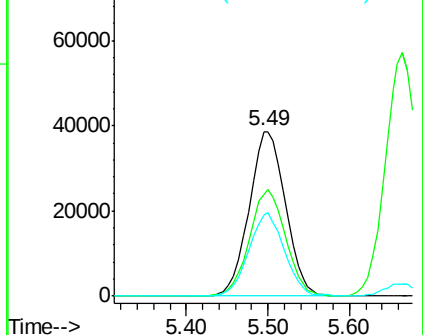
97 100

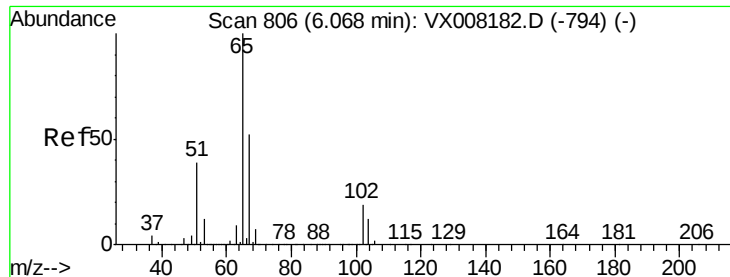
99 64.5 52.2 78.2

61 50.0 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 49.440 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

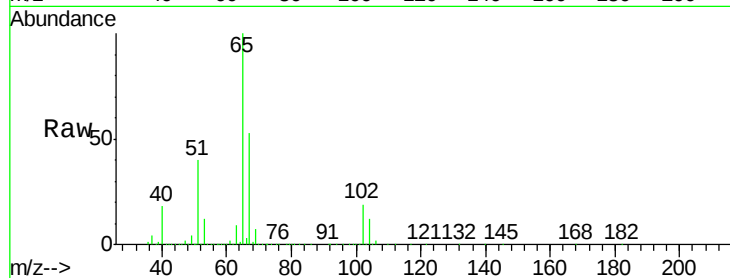
VX0320WBS02

Tot Ion: 65 Resp: 207327

Ion Ratio Lower Upper

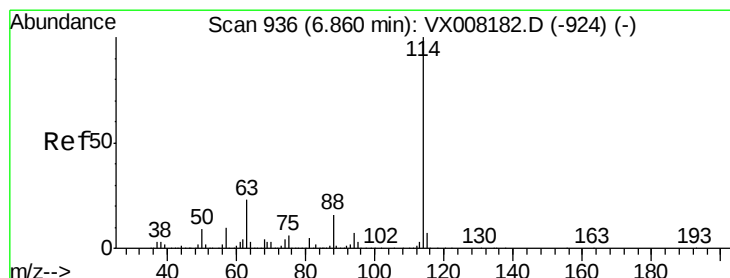
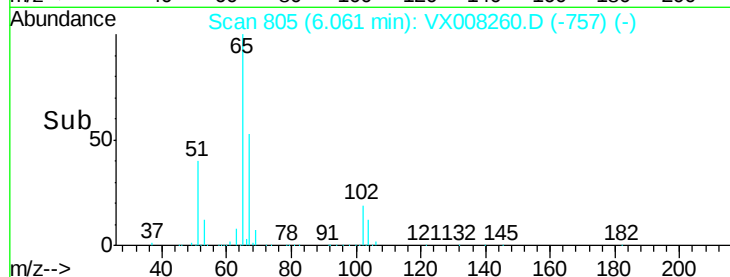
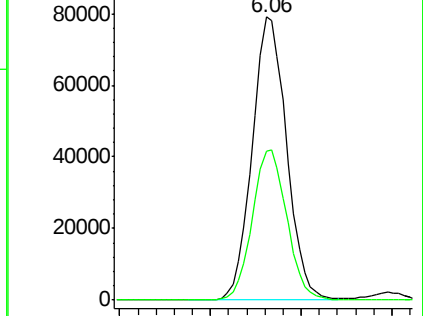
65 100

67 53.2 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

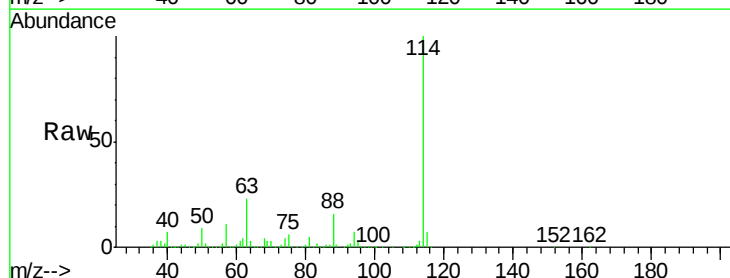
Tgt Ion: 114 Resp: 467198

Ion Ratio Lower Upper

114 100

63 23.3 0.0 39.8

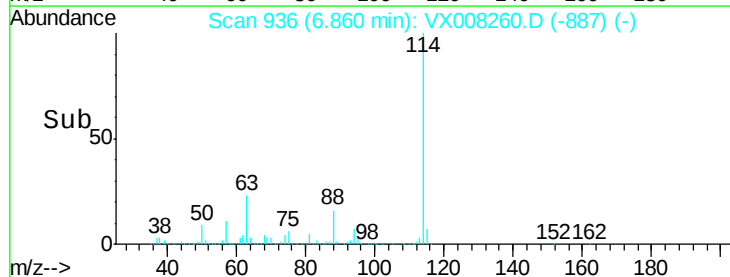
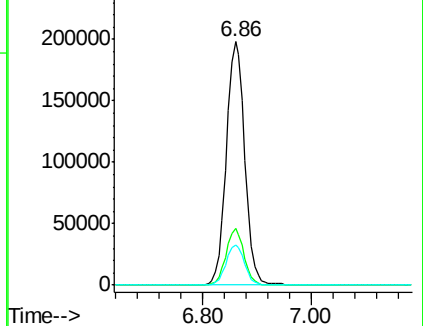
88 16.3 0.0 31.4

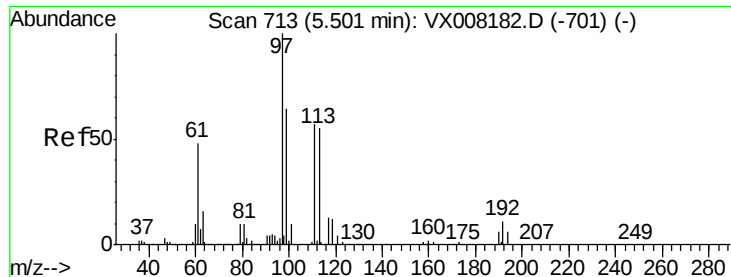


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.638 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

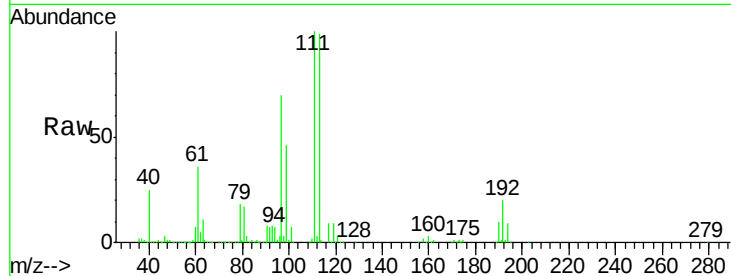
Tot Ion:113 Resp: 155248

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

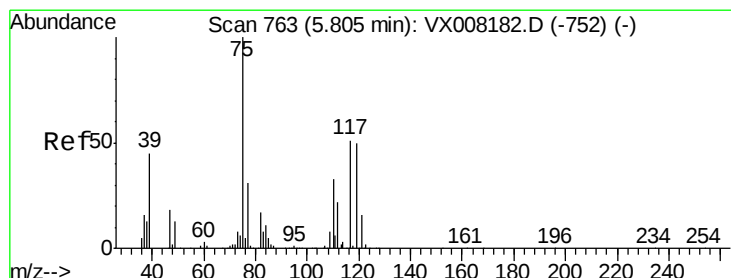
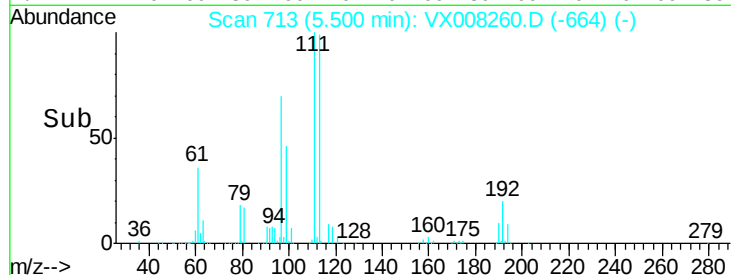
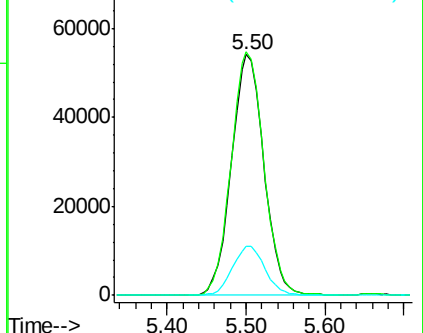
192 20.6 19.4 29.0



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: 20.217 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

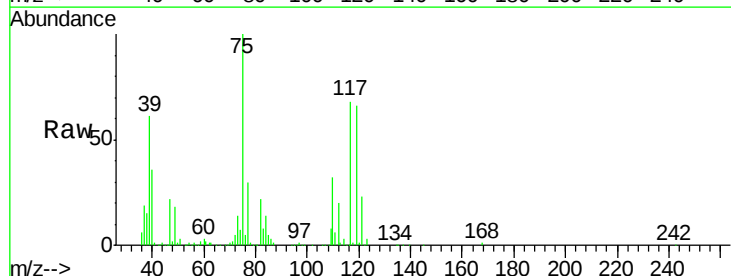
Tgt Ion: 75 Resp: 109967

Ion Ratio Lower Upper

75 100

110 34.0 18.4 55.0

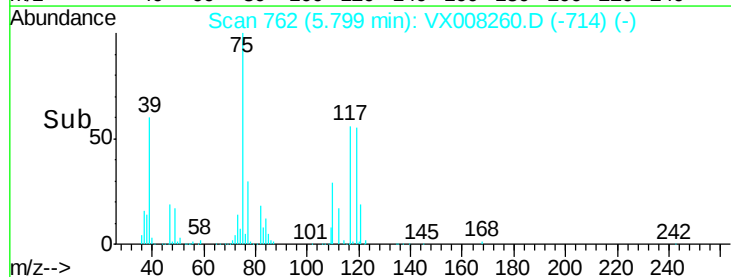
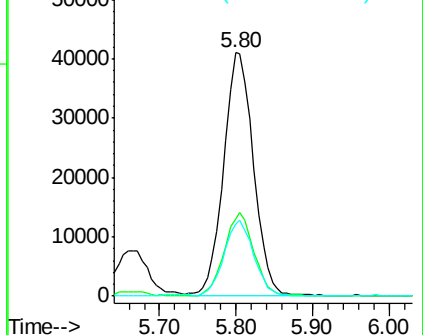
77 30.6 25.0 37.4

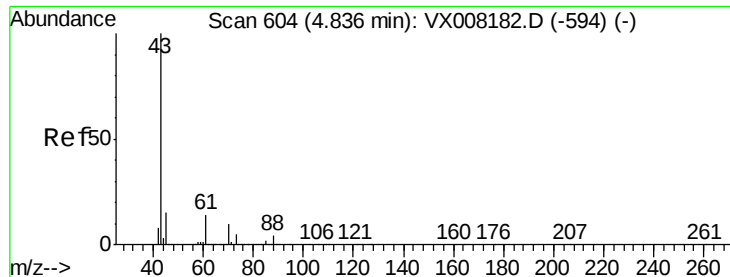


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

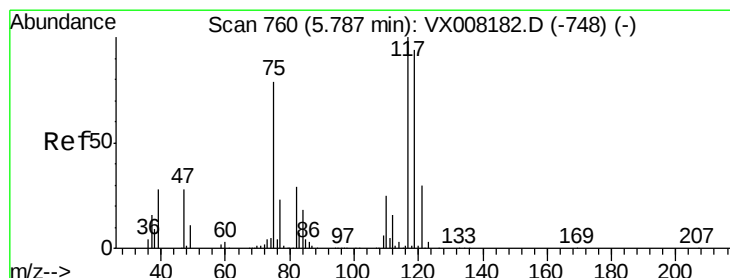
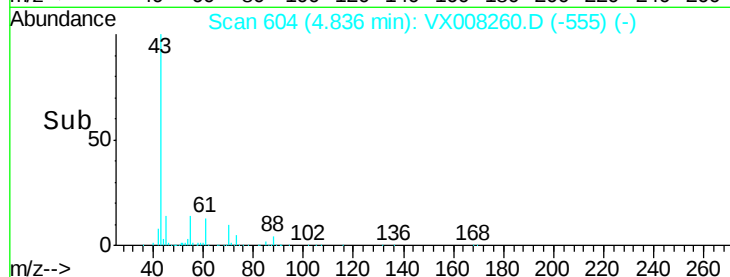
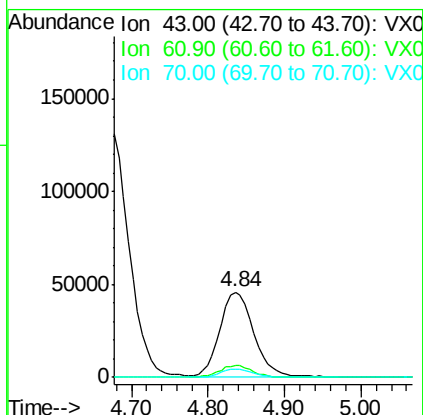
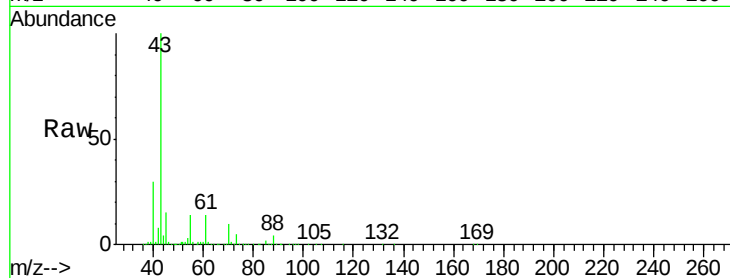




#37
Ethyl Acetate
Concen: 21.702 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

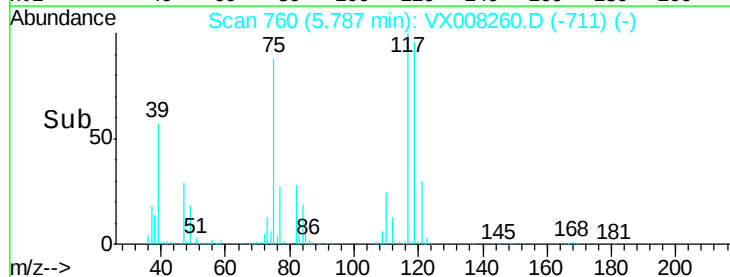
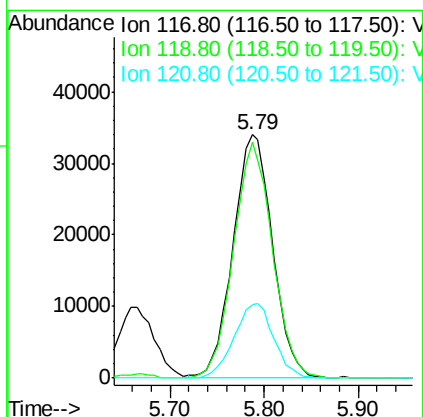
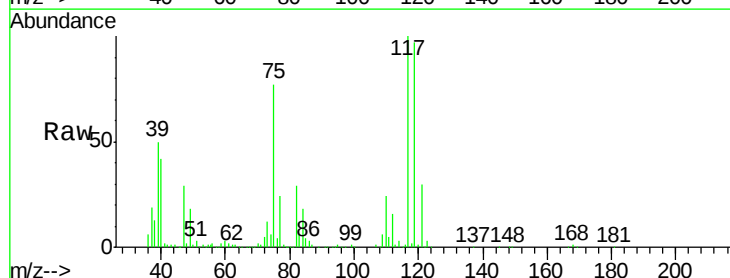
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

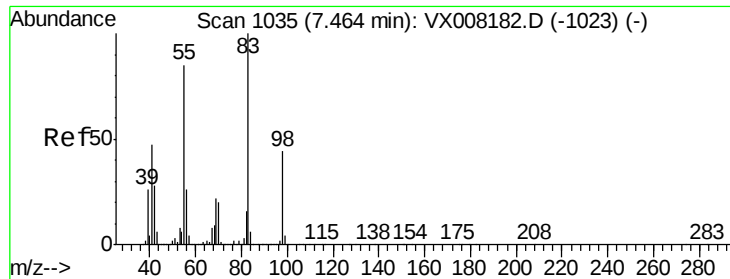
Tot Ion: 43 Resp: 139541
Ion Ratio Lower Upper
43 100
61 12.9 11.3 16.9
70 9.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.496 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 117 Resp: 99333
Ion Ratio Lower Upper
117 100
119 97.0 76.2 114.2
121 30.2 24.6 36.8

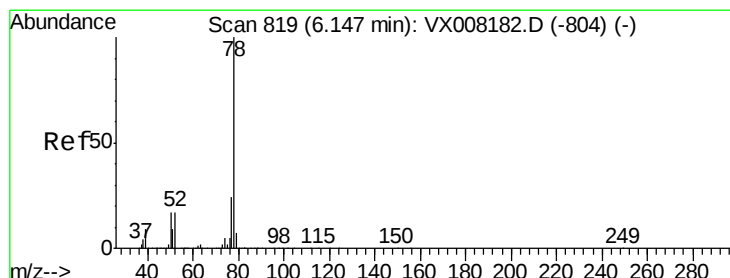
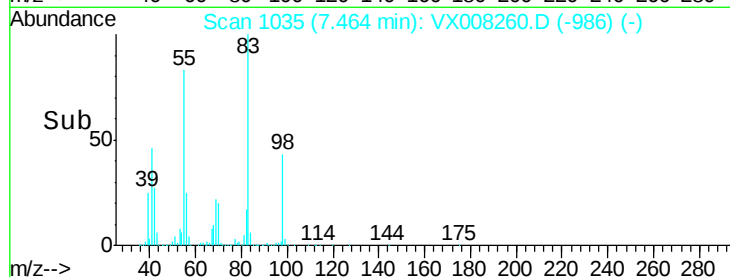
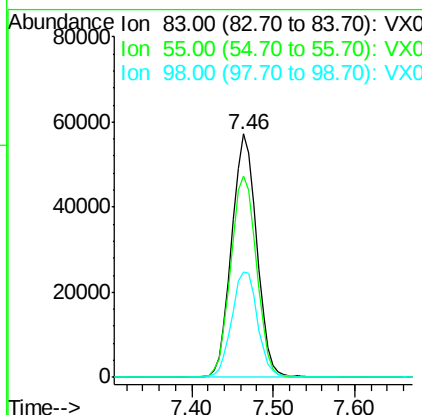
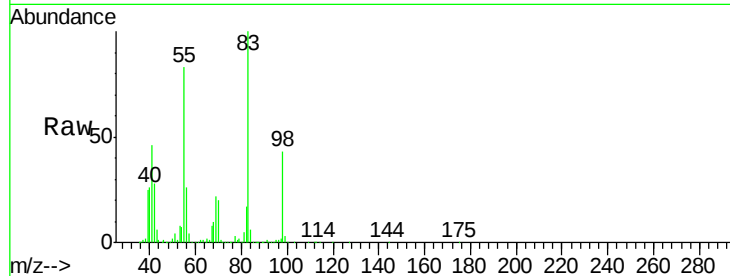




#39
Methvlcvclohexane
Concen: 18.510 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

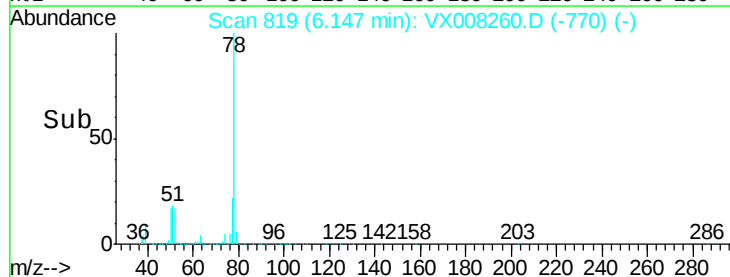
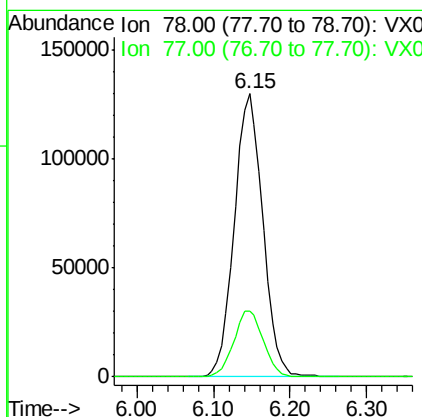
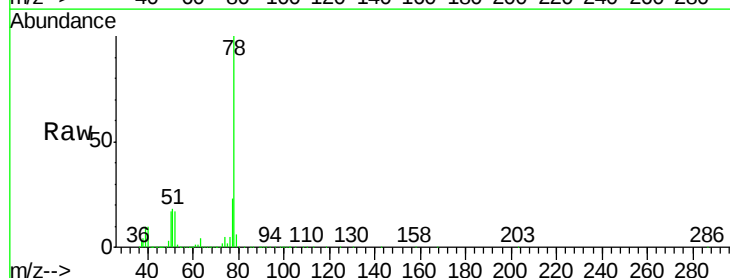
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

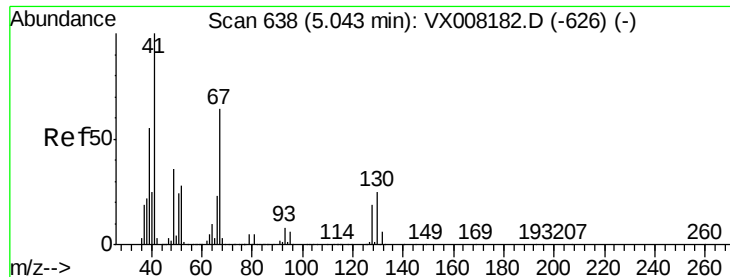
Tot Ion: 83 Resp: 121163
Ion Ratio Lower Upper
83 100
55 82.7 60.4 90.6
98 43.3 36.5 54.7



#40
Benzene
Concen: 20.861 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 78 Resp: 335844
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4





#41

Methacrylonitrile

Concen: 21.624 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 41 Resp: 77992

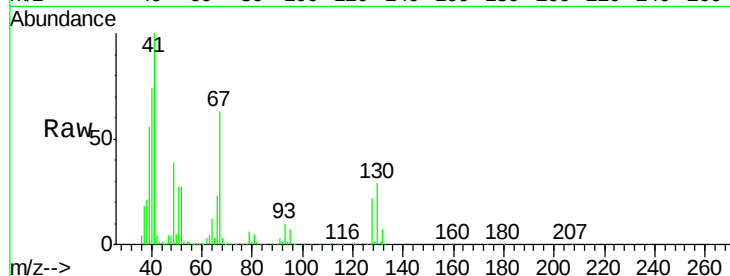
Ion Ratio Lower Upper

41 100

39 54.3 41.6 62.4

67 66.8 55.8 83.6

52 28.0 21.7 32.5

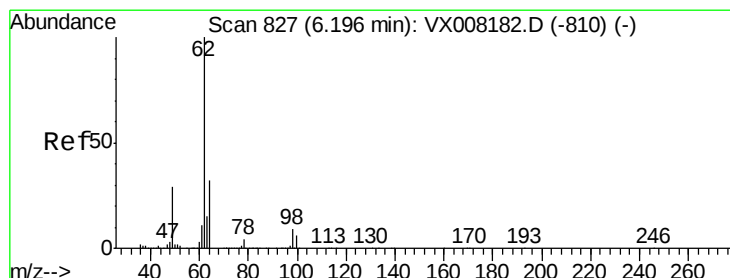
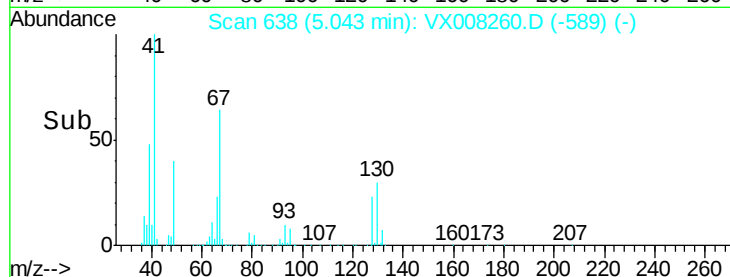
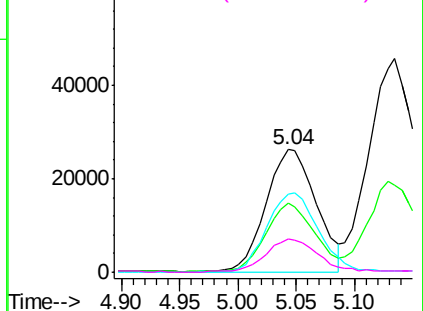


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.811 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008260.D

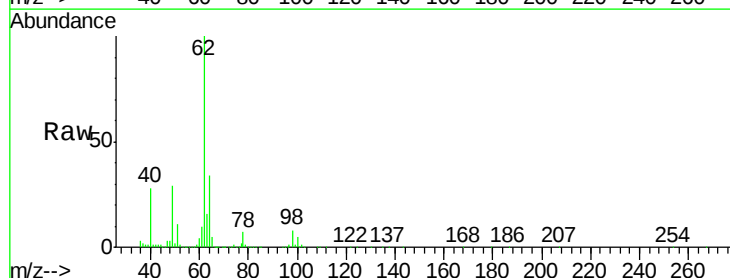
Acq: 20 Mar 2019 23:32

Tgt Ion: 62 Resp: 122735

Ion Ratio Lower Upper

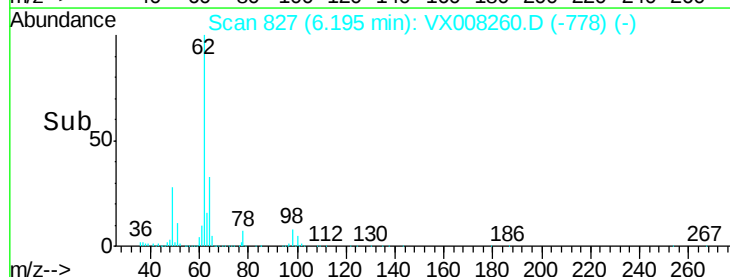
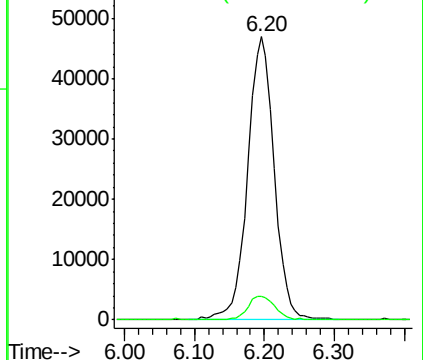
62 100

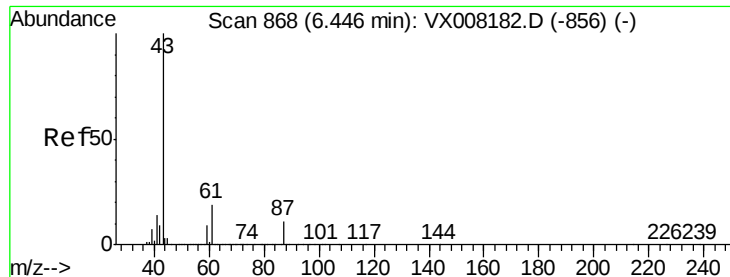
98 8.9 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



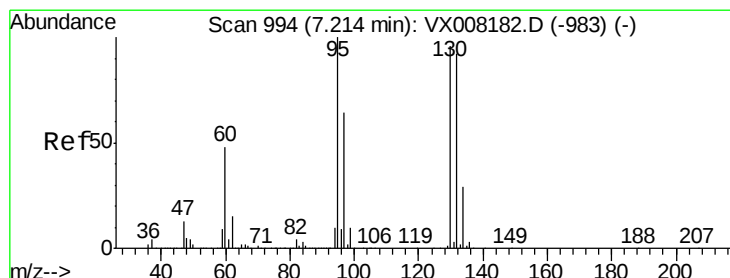
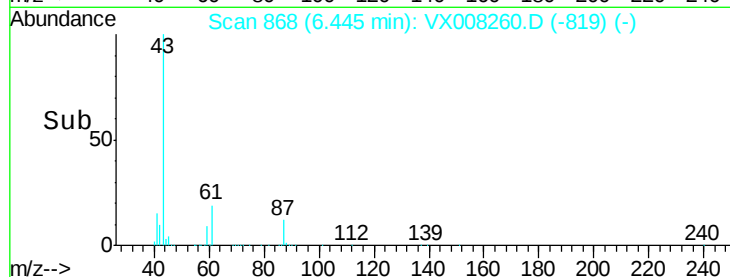
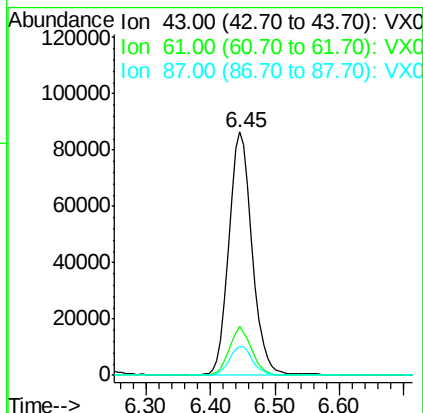
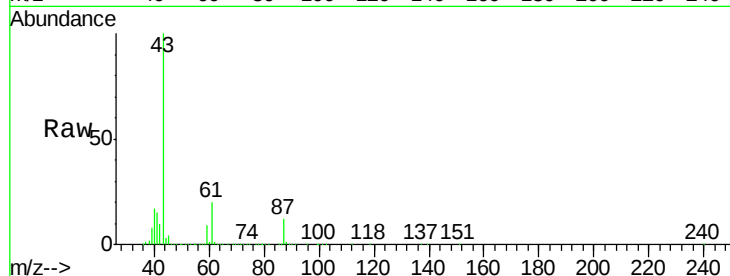


#43

Isopropyl Acetate
 Concen: 21.238 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

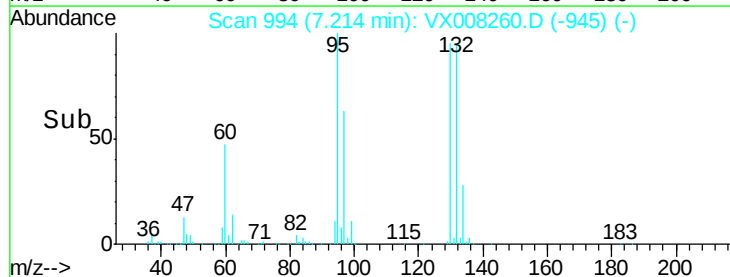
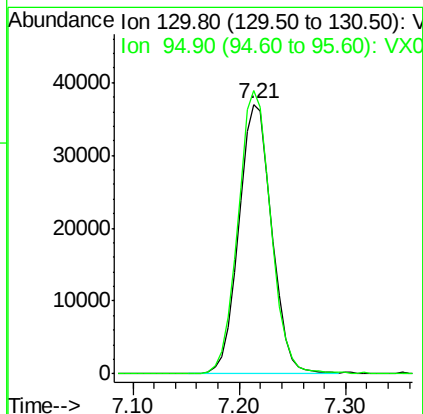
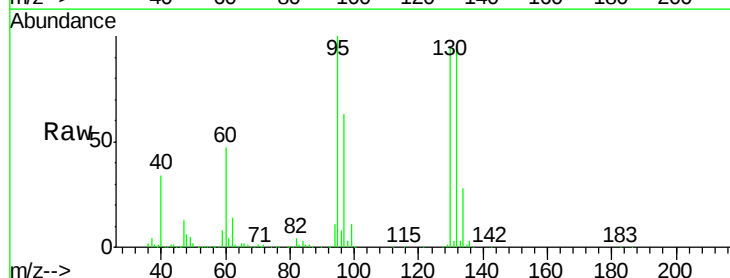
Tot Ion	43	Resp	218888
Ion Ratio	Lower	Upper	
43	100		
61	19.4	16.3	24.5
87	11.9	10.5	15.7

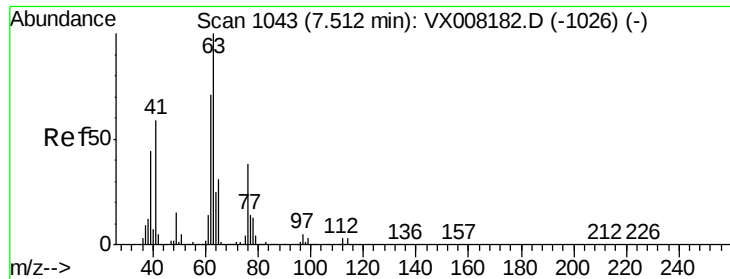


#44

Trichloroethene
 Concen: 20.471 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	130	Resp	80583
Ion Ratio	Lower	Upper	
130	100		
95	105.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.785 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

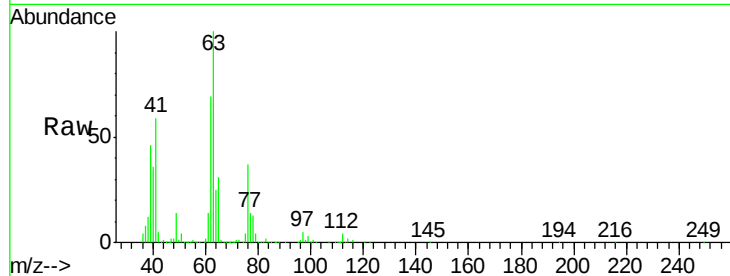
VX0320WBS02

Tot Ion: 63 Resp: 93675

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

50000

40000

30000

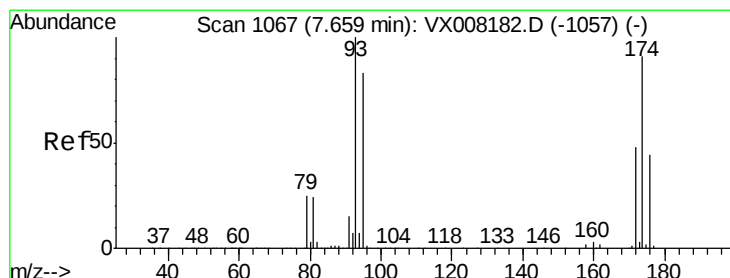
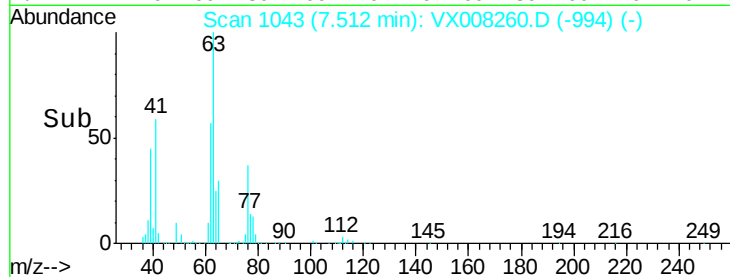
20000

10000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 20.551 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

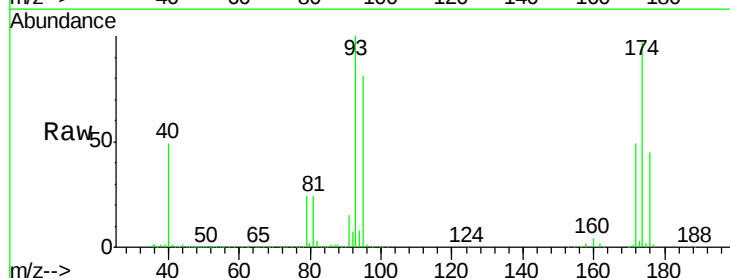
Tgt Ion: 93 Resp: 56080

Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 99.6 97.3 145.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

40000

30000

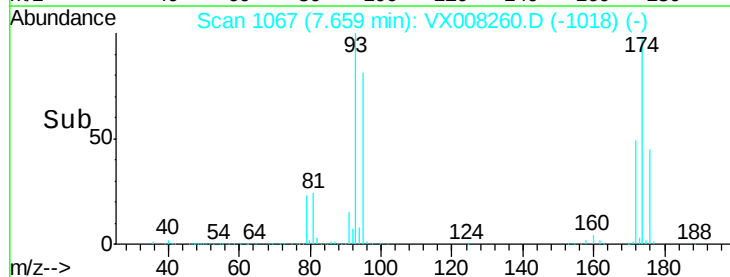
20000

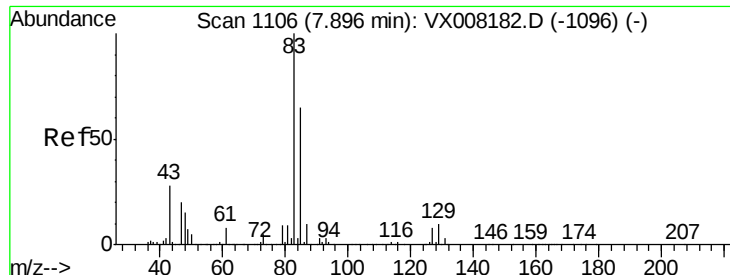
10000

0

Time-->

7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 20.776 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

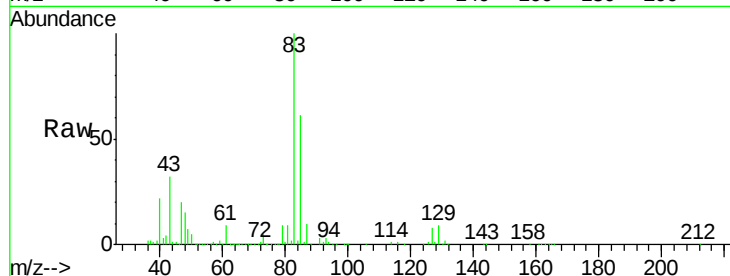
Tot Ion: 83 Resp: 108044

Ion Ratio Lower Upper

83 100

85 61.0 50.9 76.3

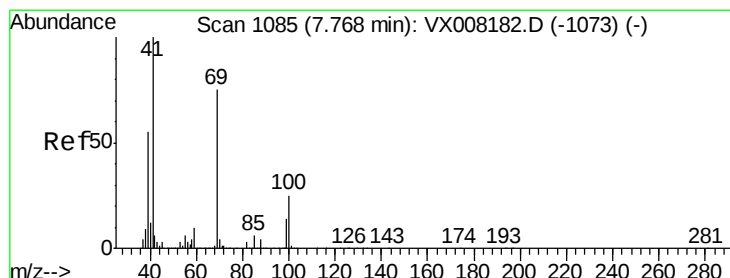
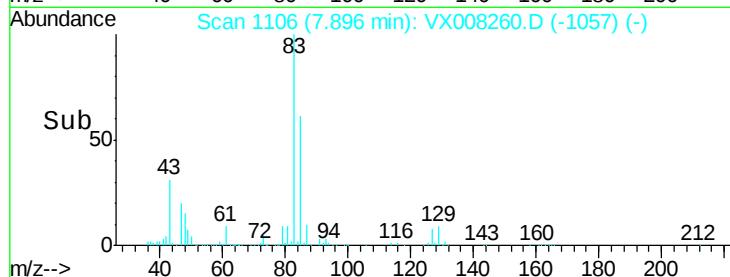
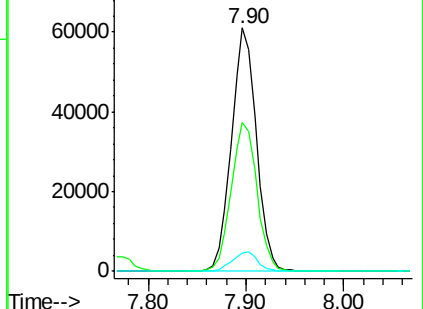
127 7.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.027 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

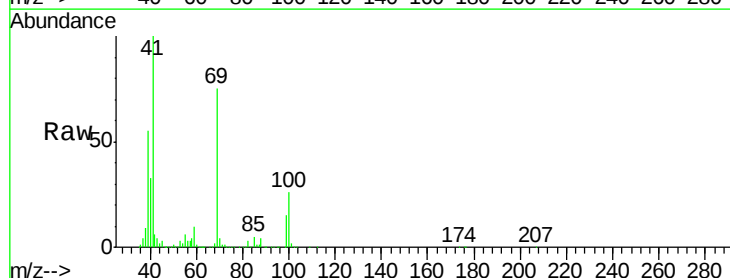
Tgt Ion: 41 Resp: 115232

Ion Ratio Lower Upper

41 100

69 75.7 65.2 97.8

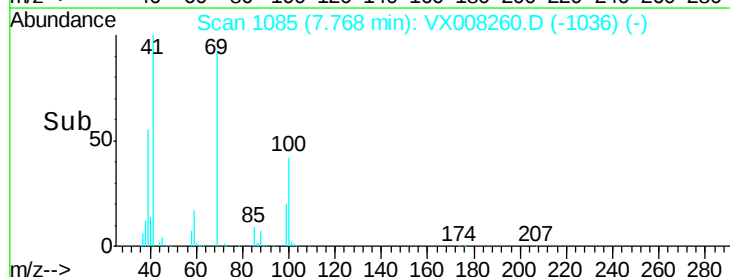
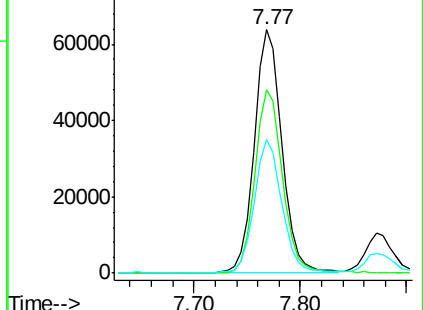
39 55.0 39.4 59.2

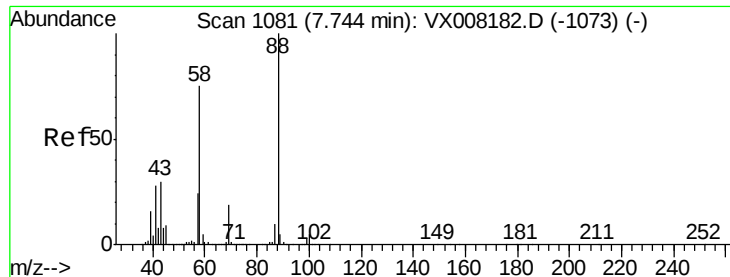


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 432.426 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

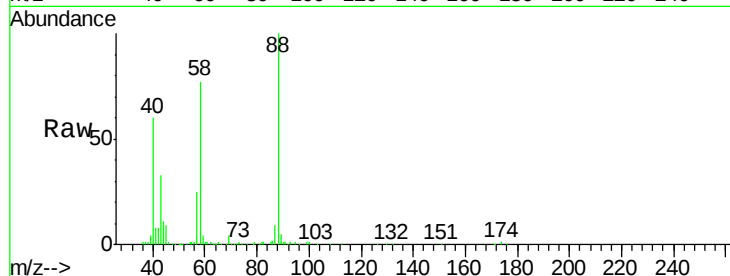
Tot Ion: 88 Resp: 41818

Ion Ratio Lower Upper

88 100

43 37.0 25.1 37.7

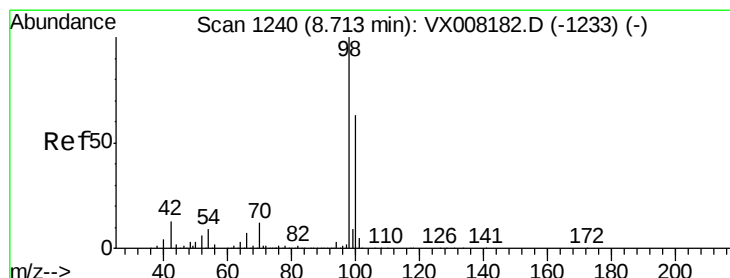
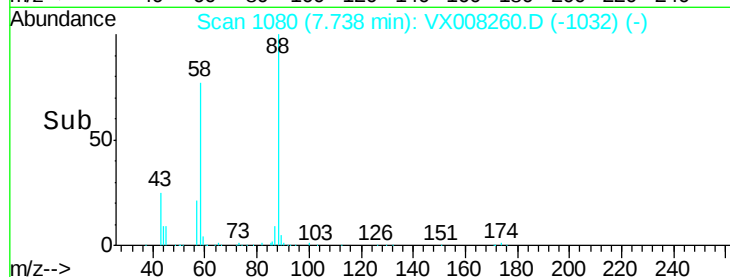
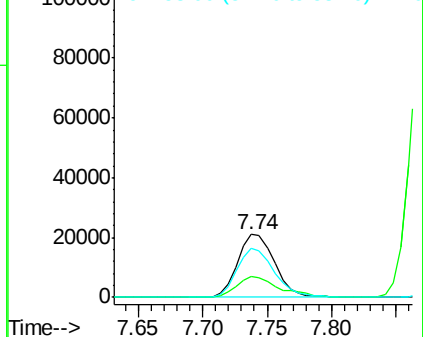
58 78.5 57.8 86.6



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: 49.905 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008260.D

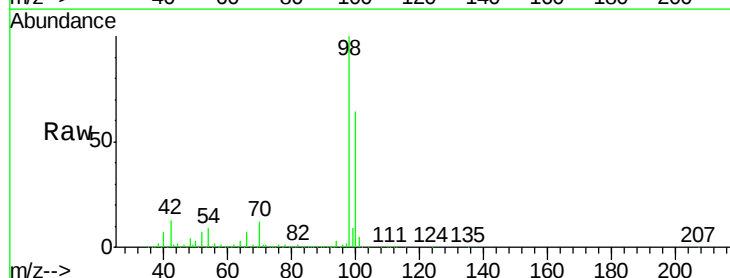
Acq: 20 Mar 2019 23:32

Tgt Ion: 98 Resp: 591756

Ion Ratio Lower Upper

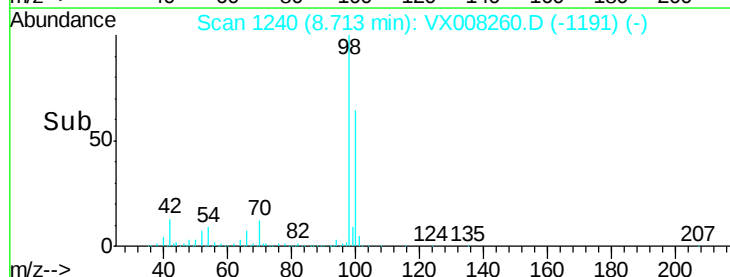
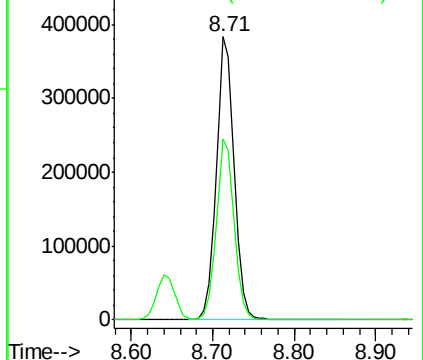
98 100

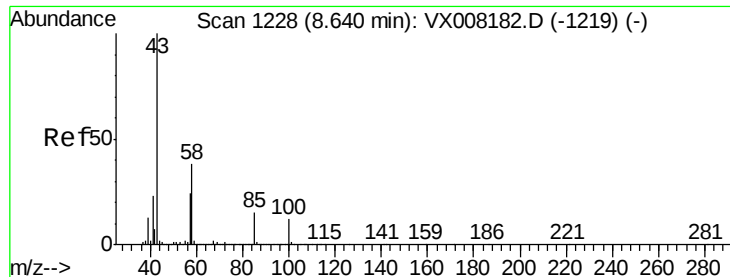
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

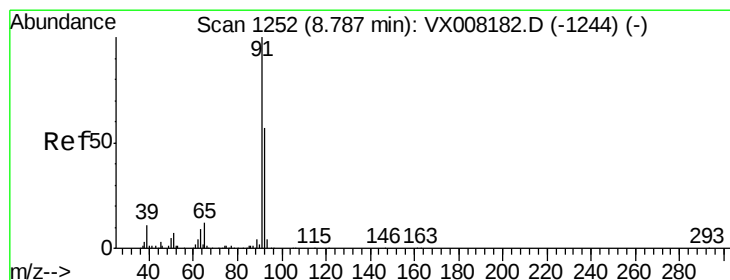
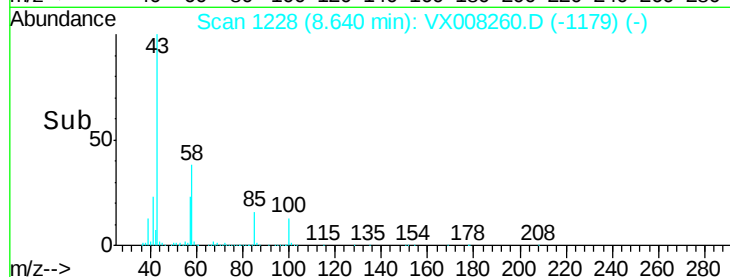
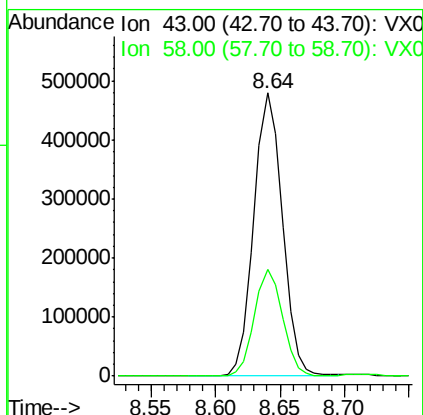
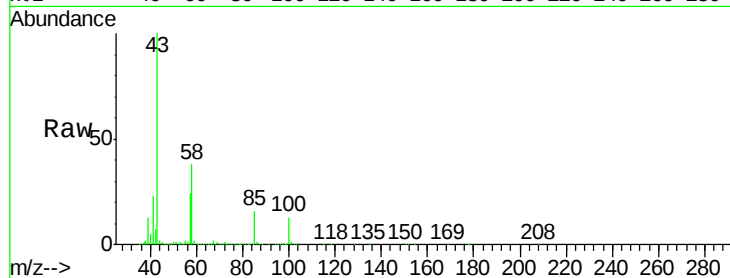




#51
4-Methyl-2-Pentanone
Concen: 110.073 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

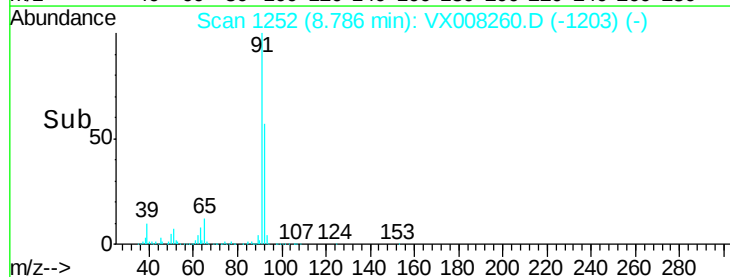
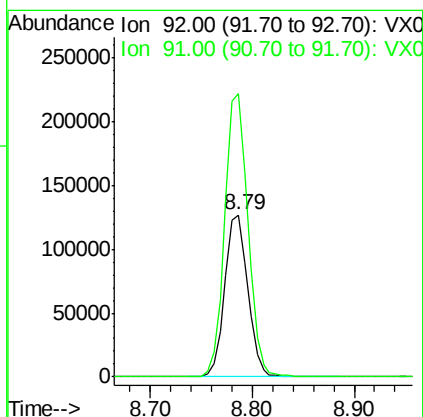
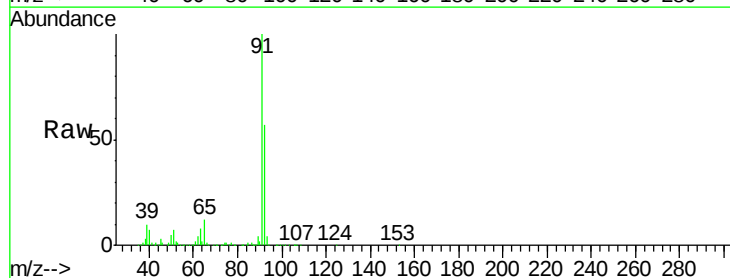
Instrument :
MSVOA_X
ClientSampled :
VX0320WBS02

Tot Ion: 43 Resp: 733423
Ion Ratio Lower Upper
43 100
58 37.5 31.3 46.9



#52
Toluene
Concen: 20.818 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 92 Resp: 198836
Ion Ratio Lower Upper
92 100
91 176.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 18.260 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

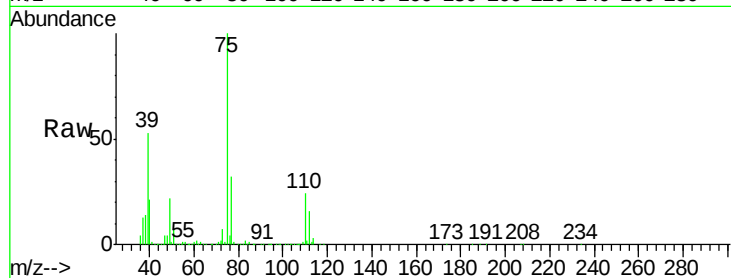
VX0320WBS02

Tot Ion: 75 Resp: 112872

Ion Ratio Lower Upper

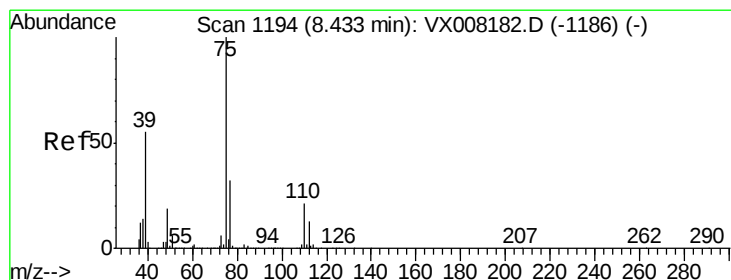
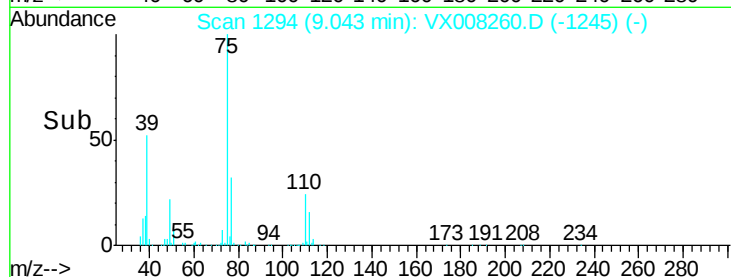
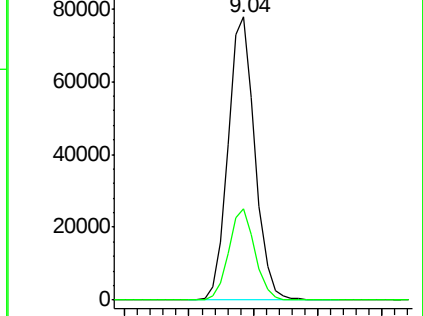
75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.714 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

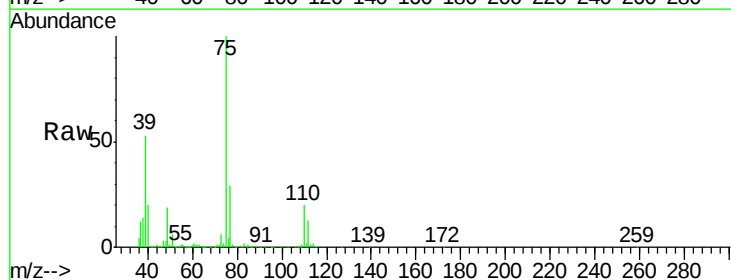
Tgt Ion: 75 Resp: 127237

Ion Ratio Lower Upper

75 100

77 29.3 25.0 37.6

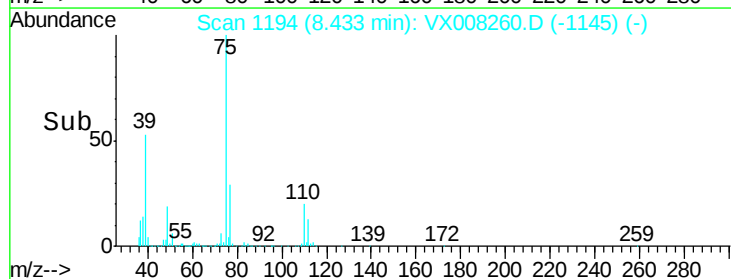
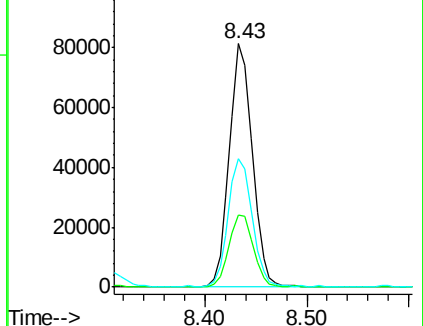
39 52.5 36.6 54.8

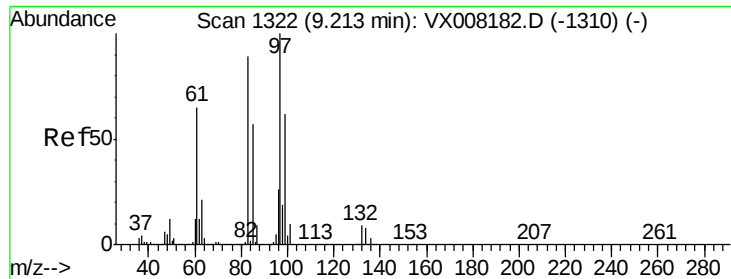


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

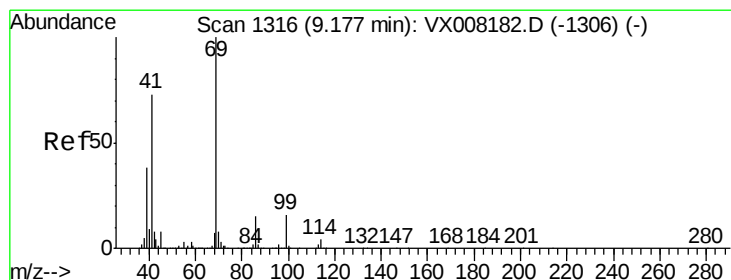
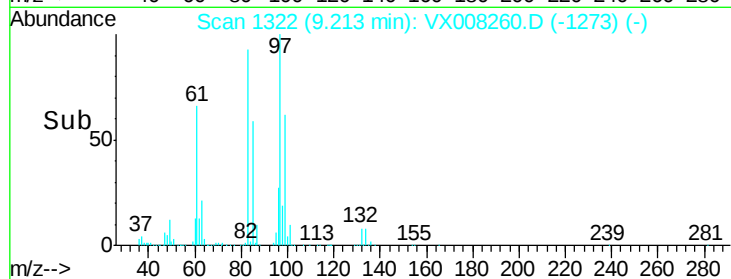
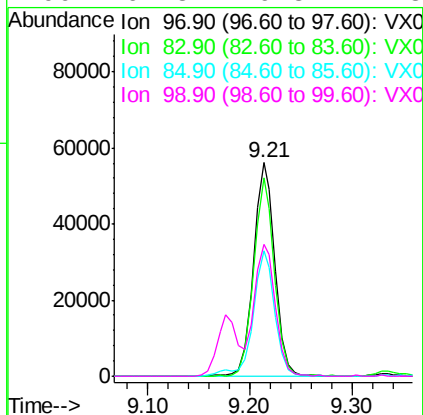
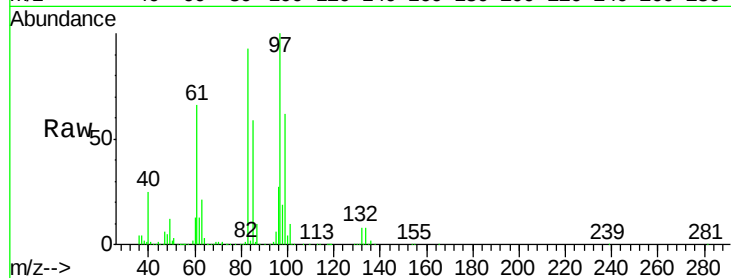




#55
 1,1,2-Trichloroethane
 Concen: 21.386 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

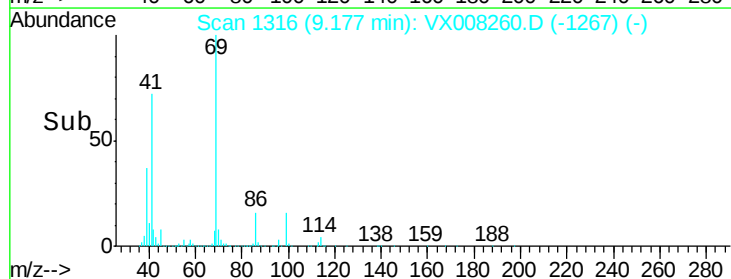
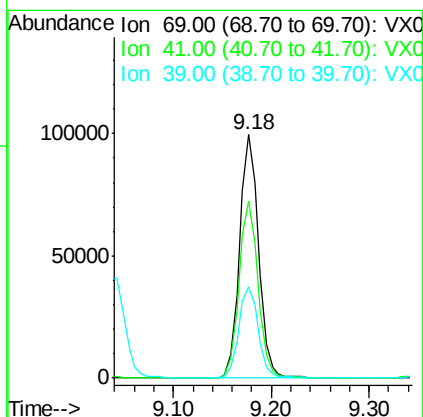
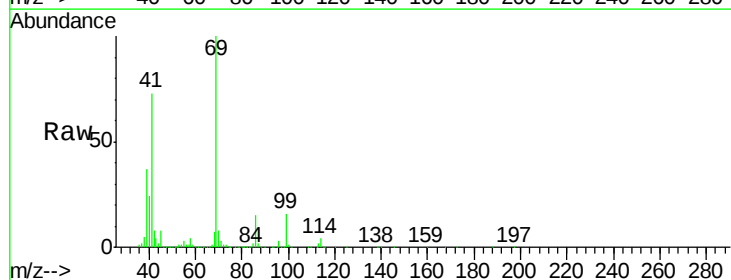
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.1	69.1	103.7
85	58.5	44.3	66.5
99	61.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.131 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.3	54.2	81.4
39	37.9	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 21.104 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

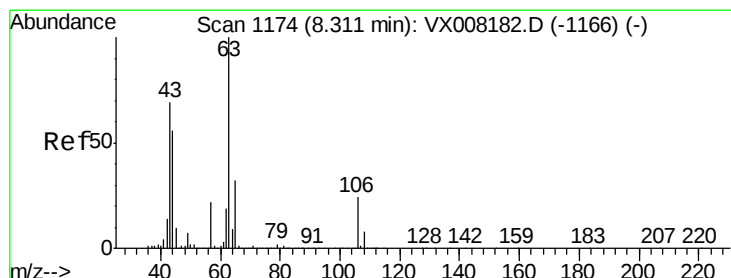
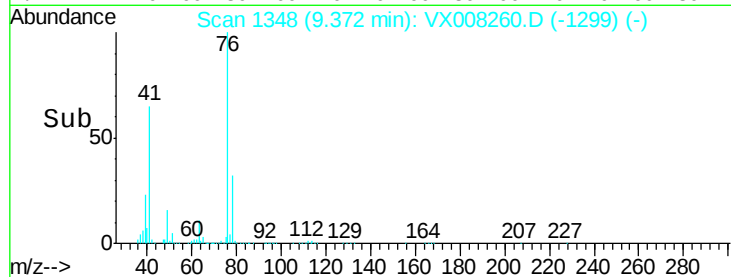
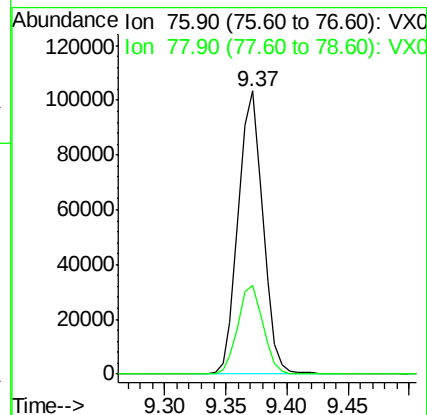
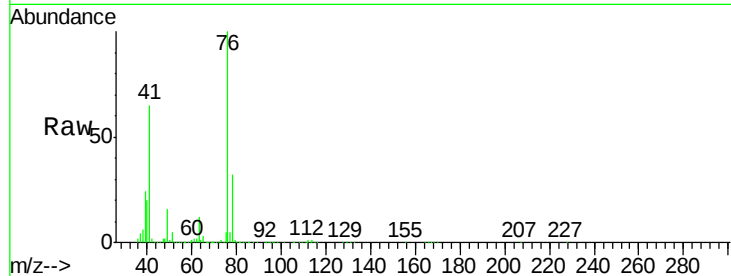
VX0320WBS02

Tot Ion: 76 Resp: 144070

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 96.552 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008260.D

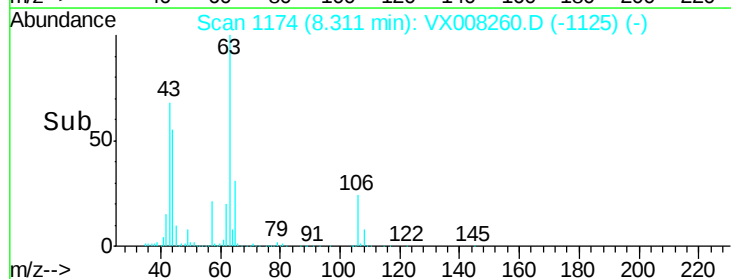
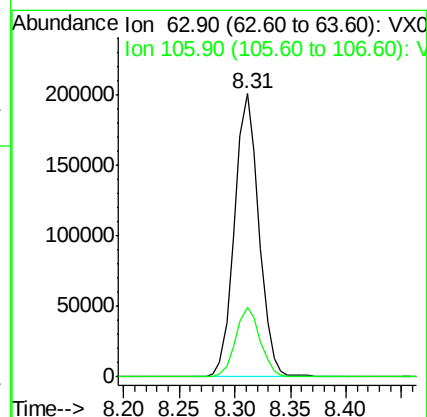
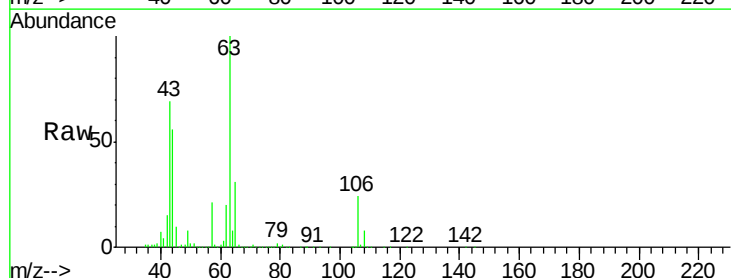
Acq: 20 Mar 2019 23:32

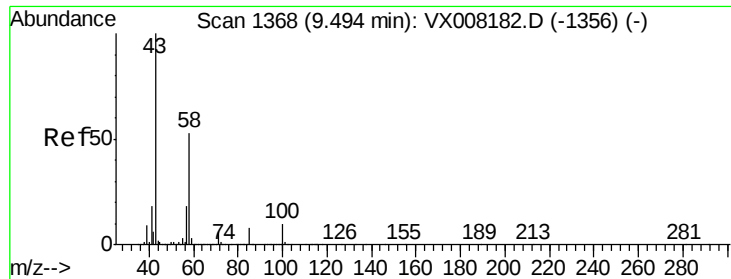
Tgt Ion: 63 Resp: 305278

Ion Ratio Lower Upper

63 100

106 24.7 22.2 33.2

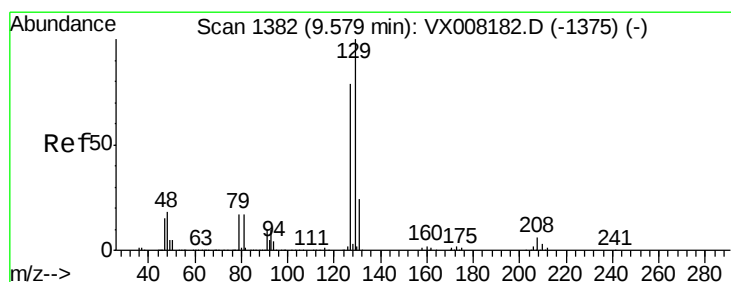
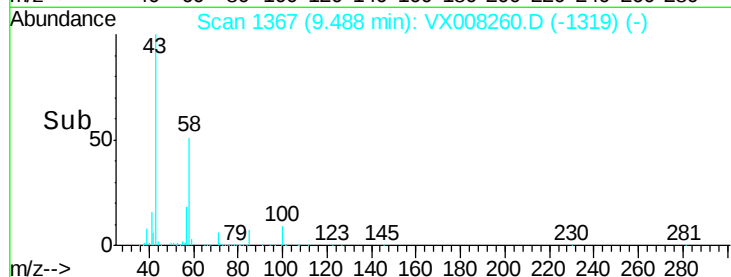
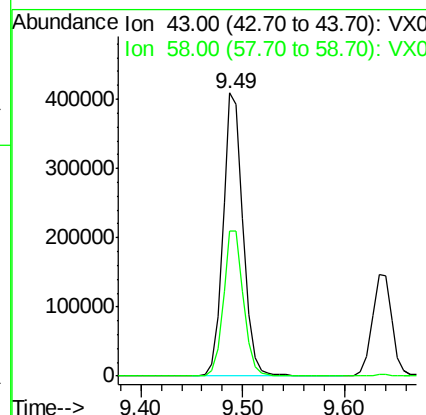
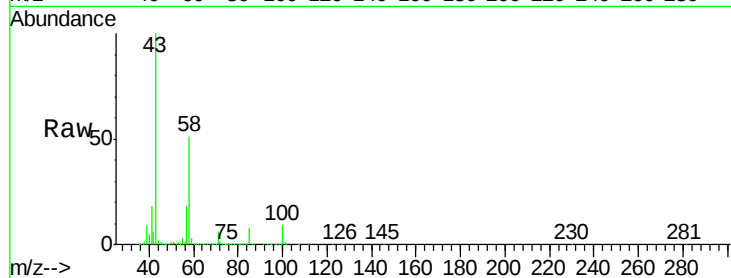




#59
2-Hexanone
Concen: 108.685 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

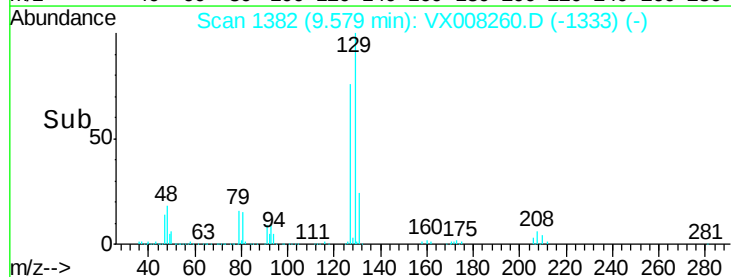
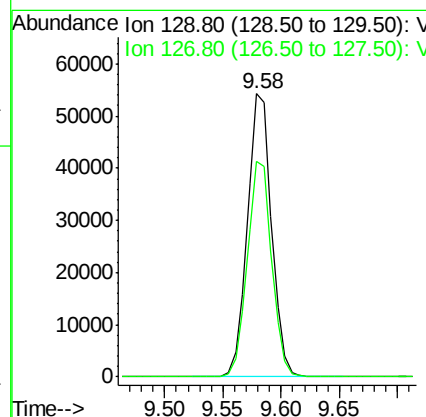
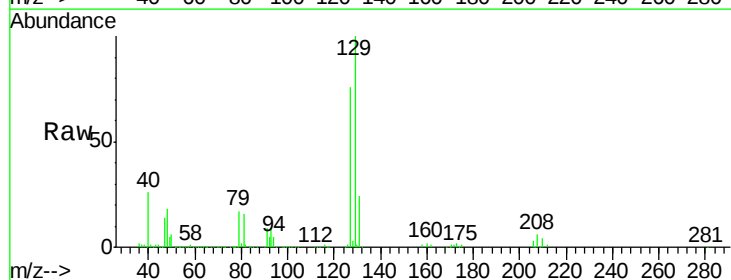
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

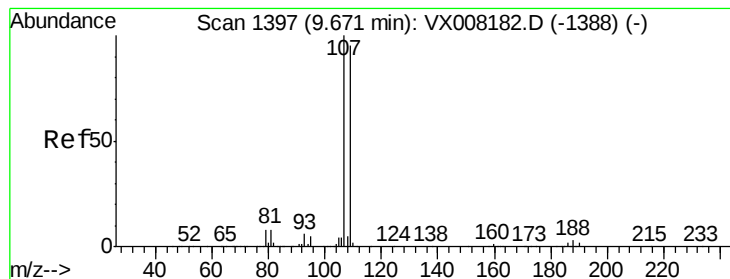
Tot Ion: 43 Resp: 557527
Ion Ratio Lower Upper
43 100
58 51.7 27.6 82.7



#60
Dibromochloromethane
Concen: 21.262 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion:129 Resp: 78855
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.462 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

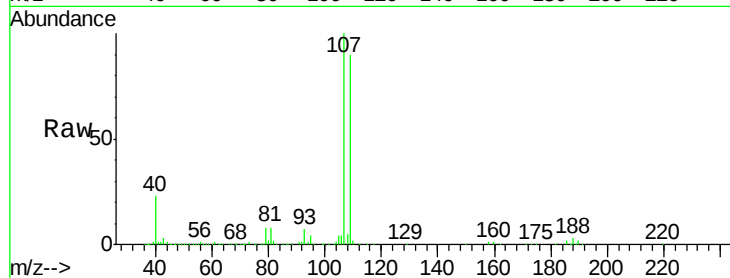
VX0320WBS02

Tot Ion:107 Resp: 86480

Ion Ratio Lower Upper

107 100

109 92.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

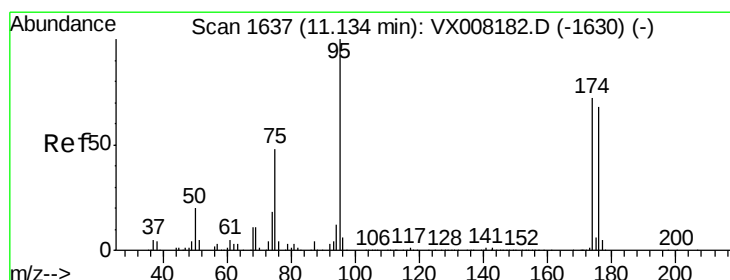
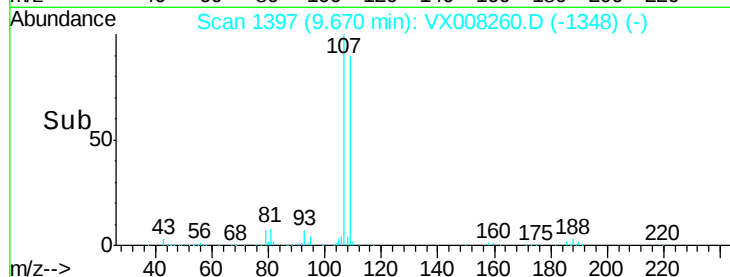
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.643 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

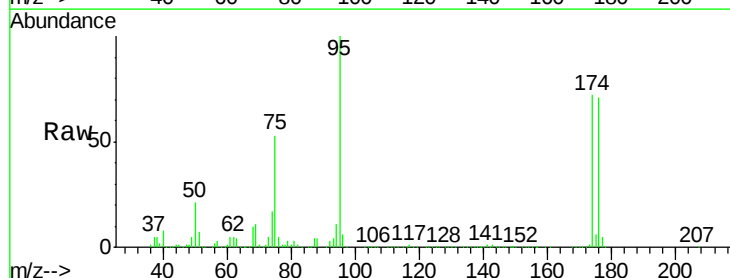
Tgt Ion: 95 Resp: 206770

Ion Ratio Lower Upper

95 100

174 78.5 0.0 182.8

176 77.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

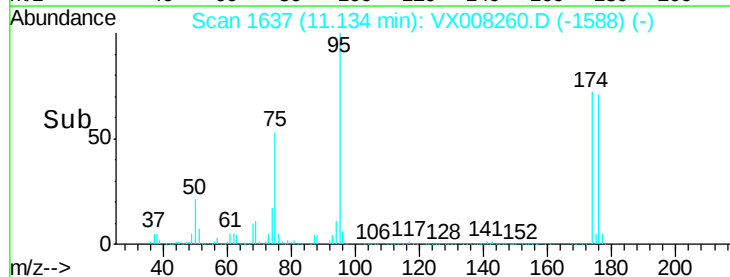
100000

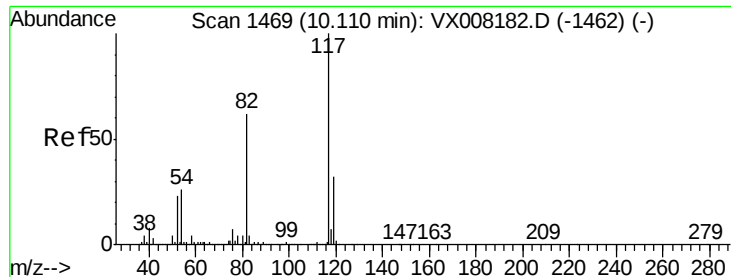
50000

0

11.10 11.20

Time-->

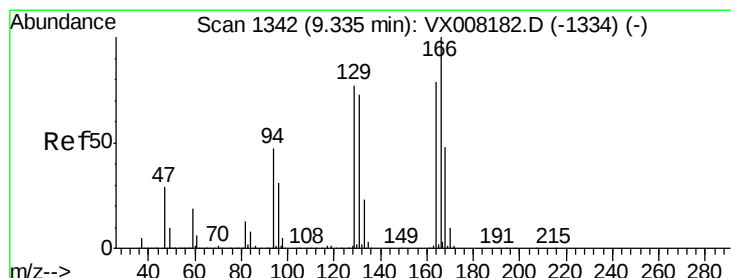
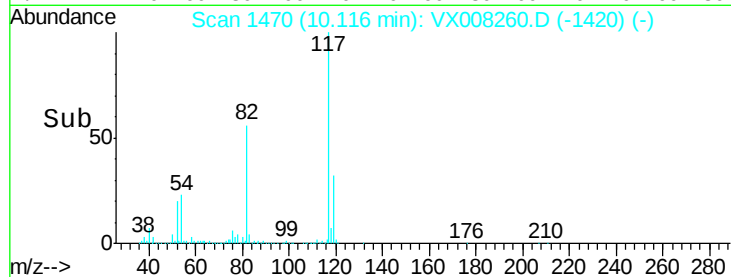
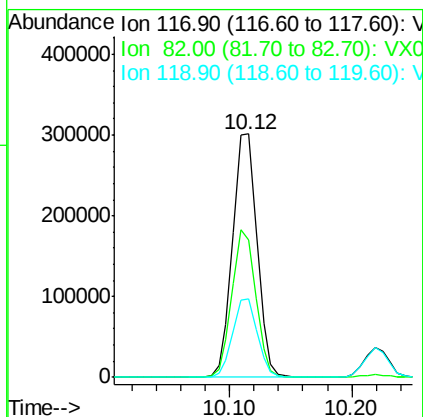
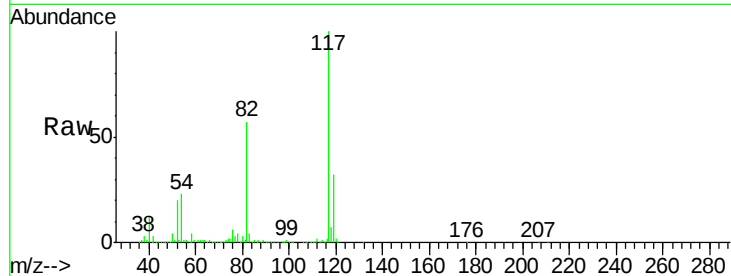




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

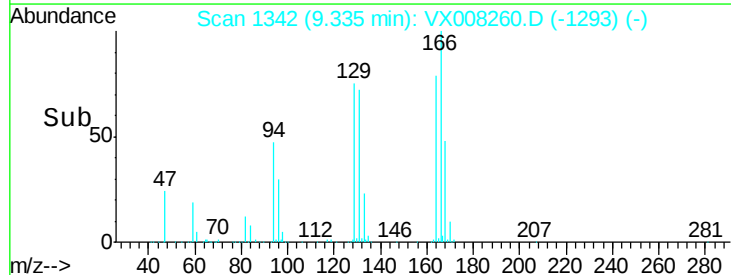
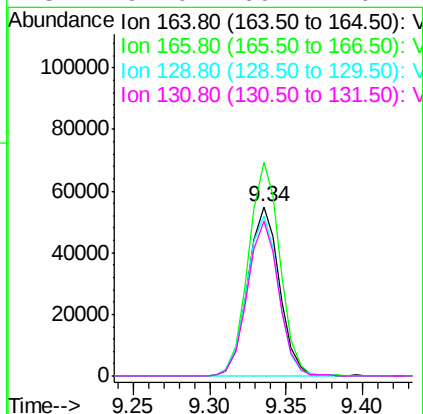
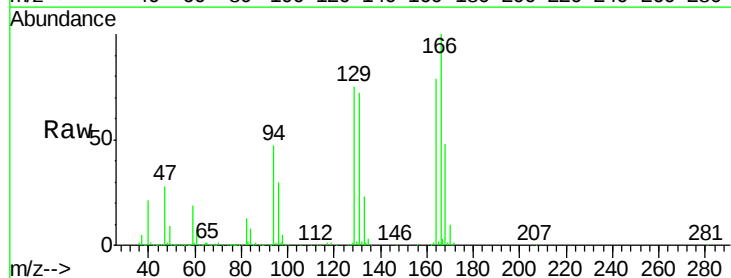
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

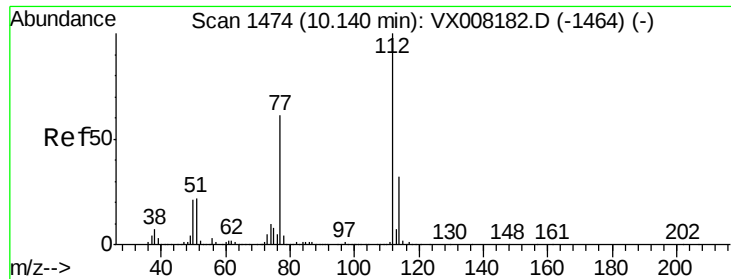
Tot Ion:117 Resp: 415454
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 21.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion:164 Resp: 79088
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 94.8 72.2 108.4
131 91.0 69.4 104.2

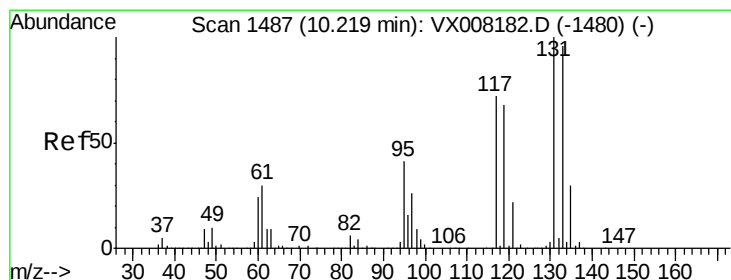
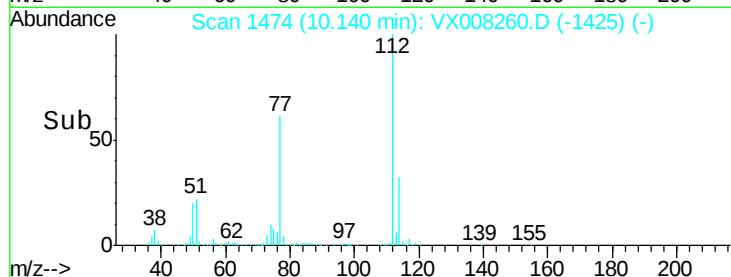
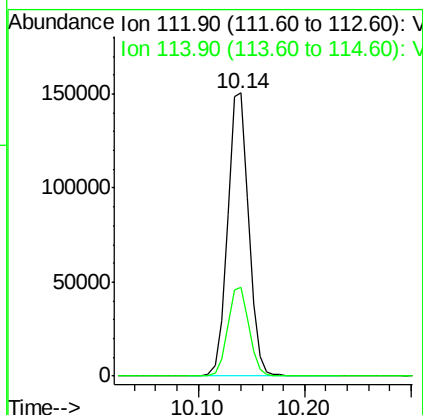
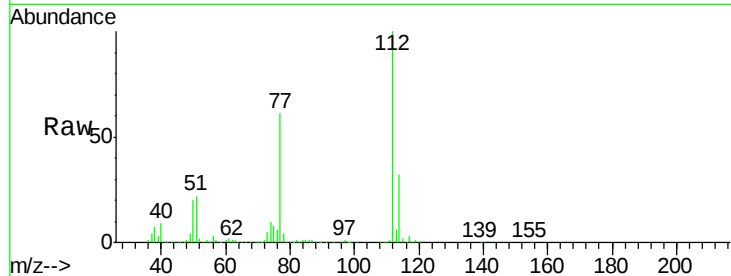




#65
Chlorobenzene
Concen: 20.448 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

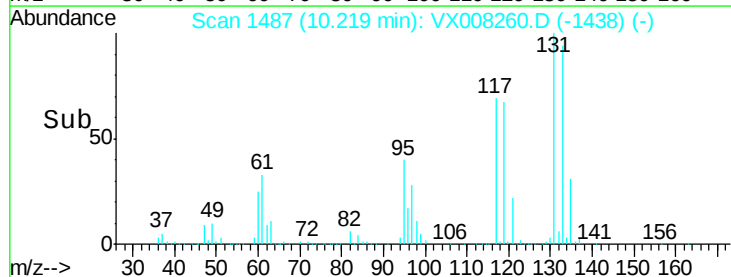
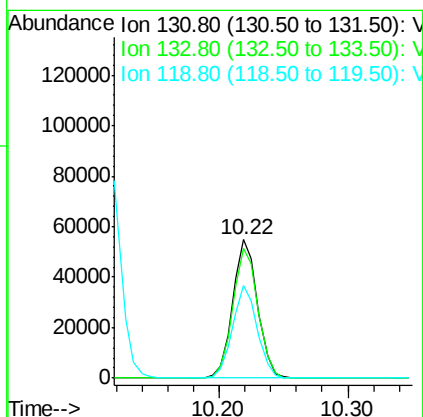
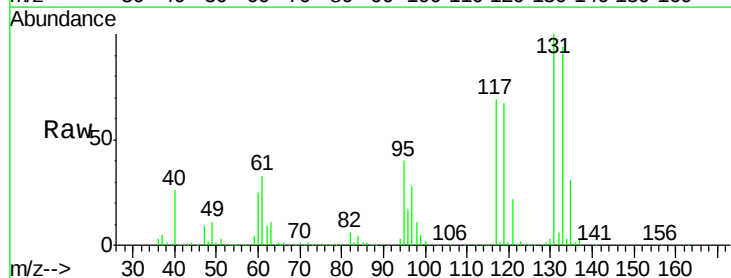
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

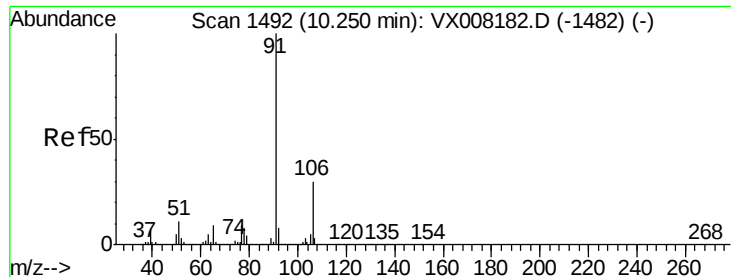
Tot Ion:112 Resp: 209030
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.650 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion:131 Resp: 73600
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 66.8 32.5 97.5





#67

Ethyl Benzene

Concen: 20.420 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

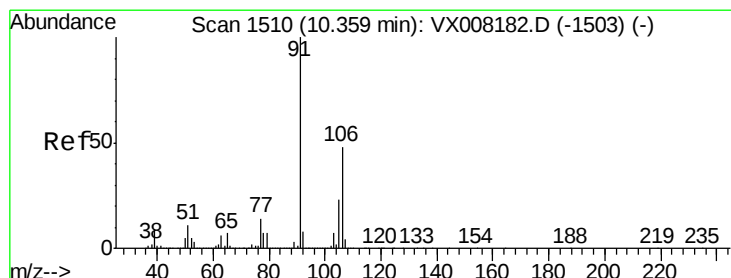
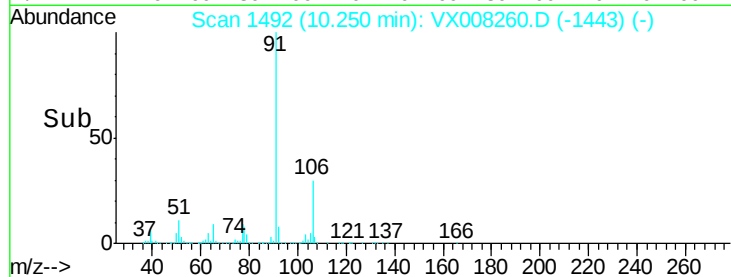
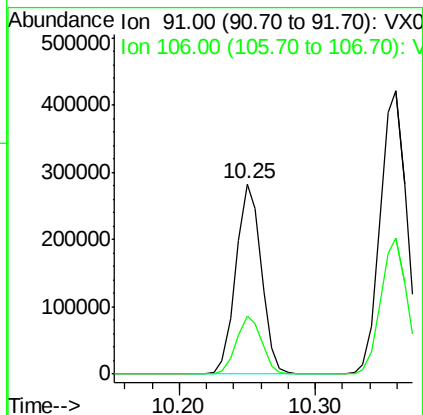
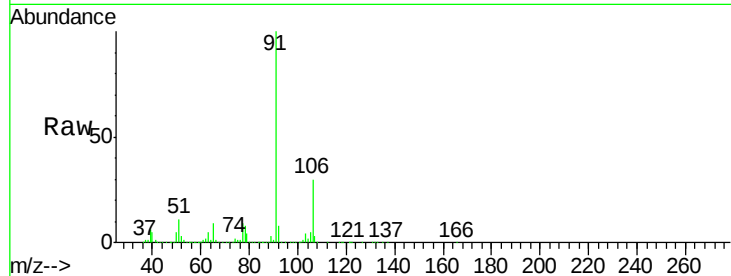
VX0320WBS02

Tot Ion: 91 Resp: 367849

Ion Ratio Lower Upper

91 100

106 30.3 25.2 37.8



#68

m/p-Xylenes

Concen: 40.913 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008260.D

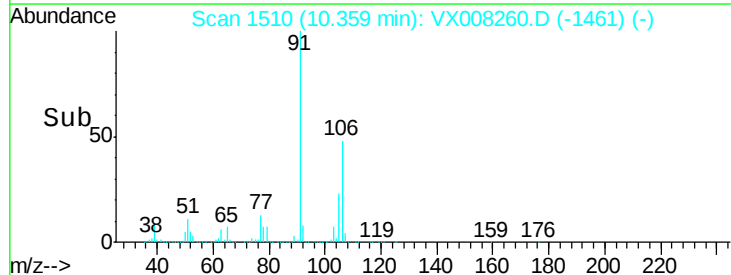
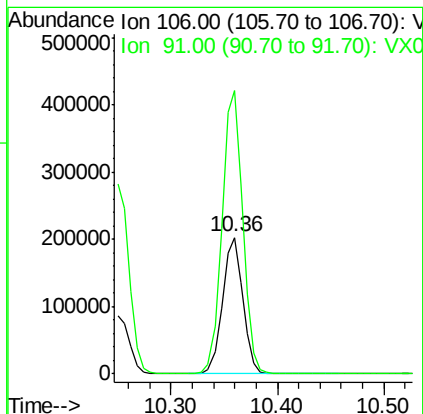
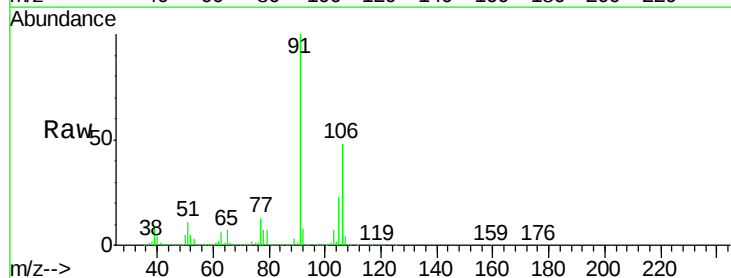
Acq: 20 Mar 2019 23:32

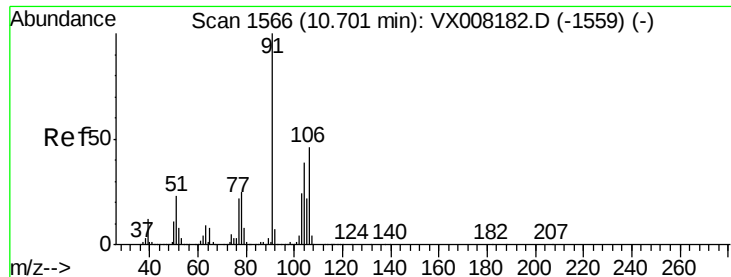
Tgt Ion: 106 Resp: 270735

Ion Ratio Lower Upper

106 100

91 210.6 159.8 239.6

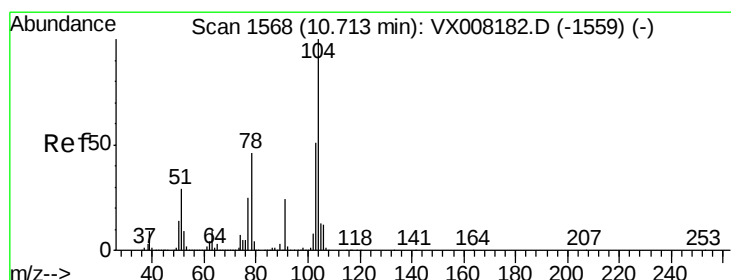
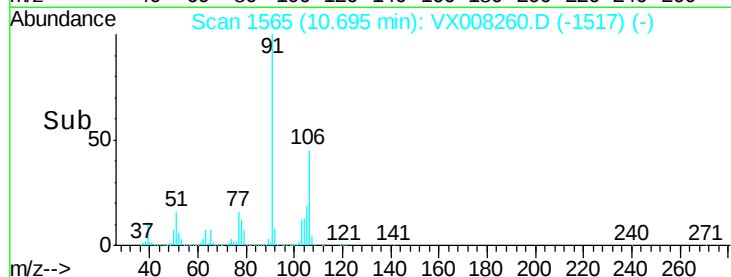
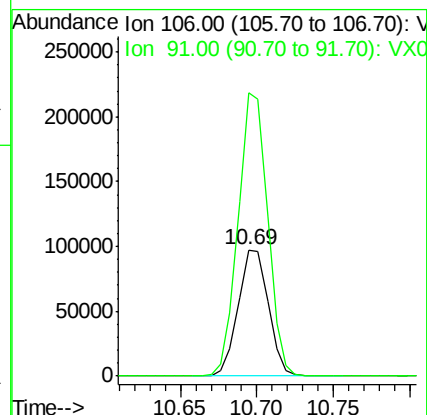
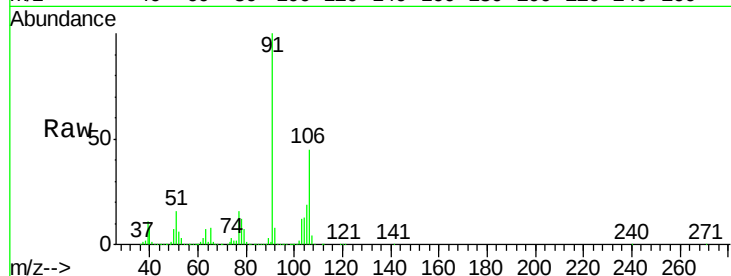




#69
o-Xylene
Concen: 20.701 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

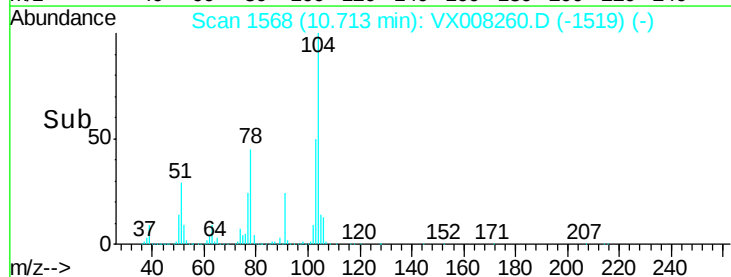
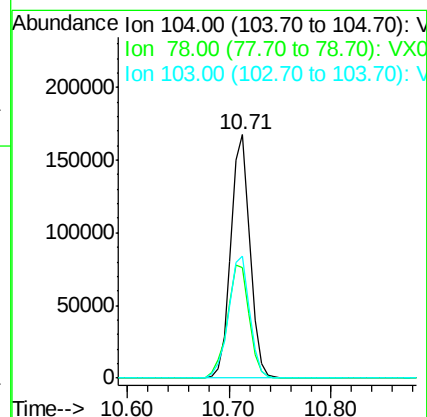
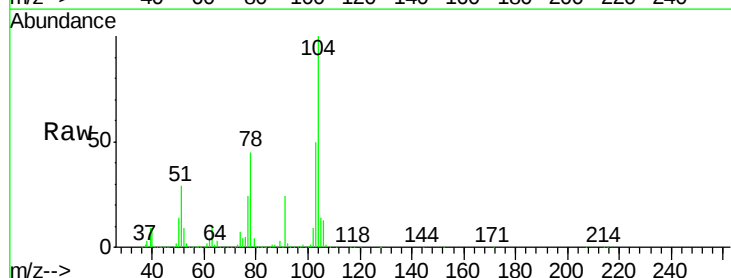
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

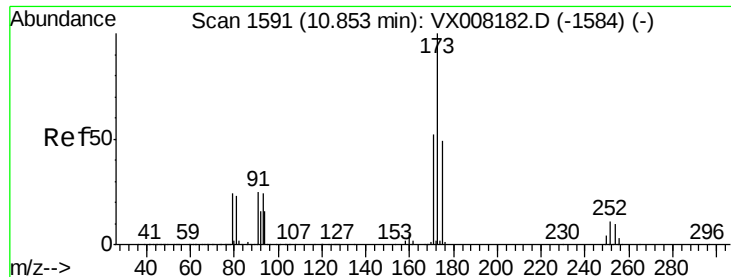
Tot Ion:106 Resp: 133110
Ion Ratio Lower Upper
106 100
91 220.1 106.3 318.9



#70
Styrene
Concen: 20.774 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion:104 Resp: 217087
Ion Ratio Lower Upper
104 100
78 53.4 38.5 57.7
103 55.7 44.1 66.1





#71

Bromoform

Concen: 19.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

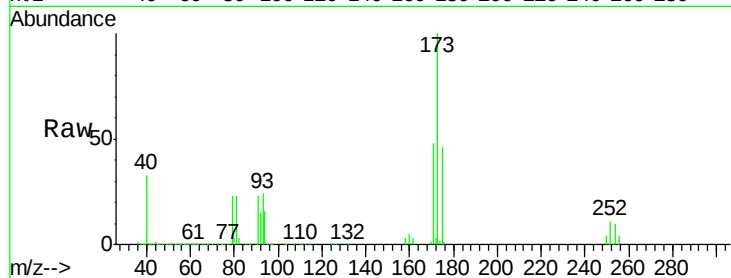
Tot Ion:173 Resp: 56242

Ion Ratio Lower Upper

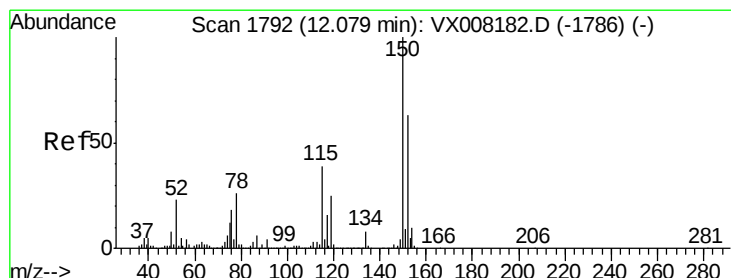
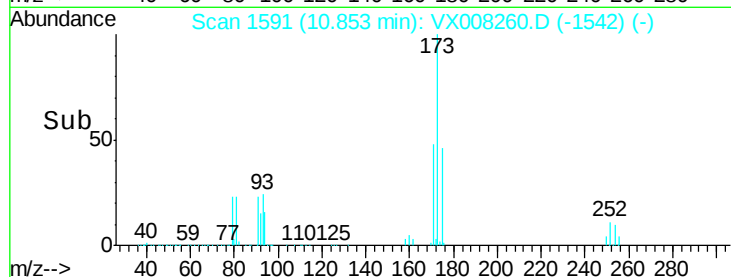
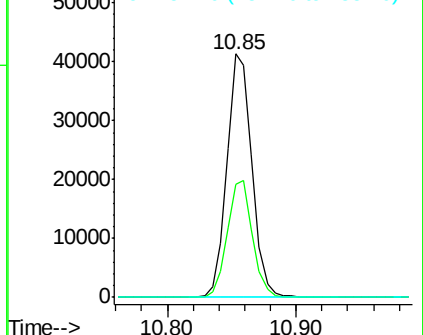
173 100

175 48.4 24.3 72.9

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

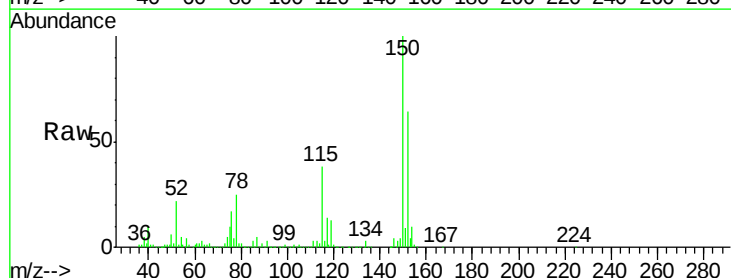
Tgt Ion:152 Resp: 192550

Ion Ratio Lower Upper

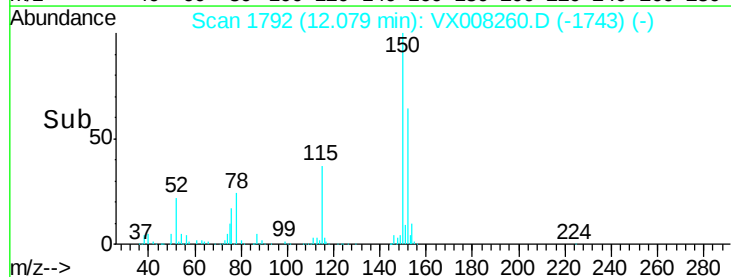
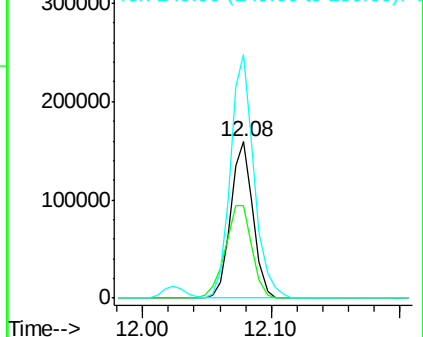
152 100

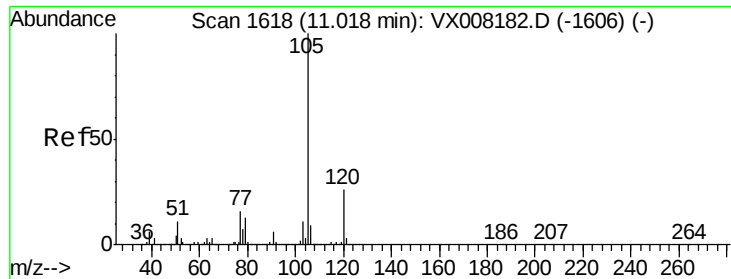
115 71.2 38.6 115.7

150 163.6 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: 20.670 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

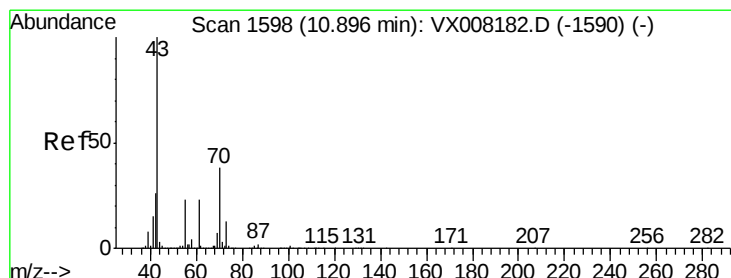
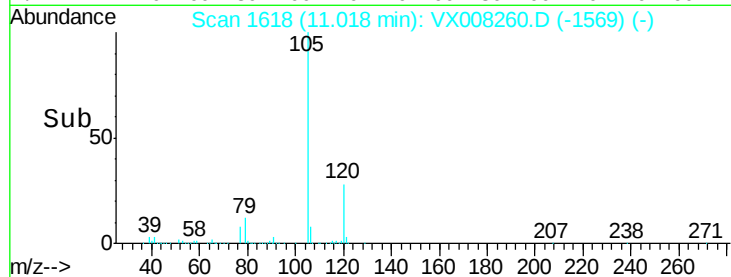
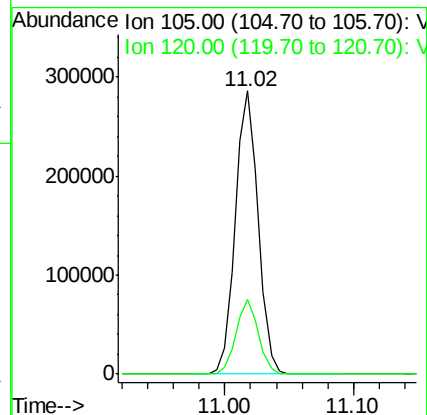
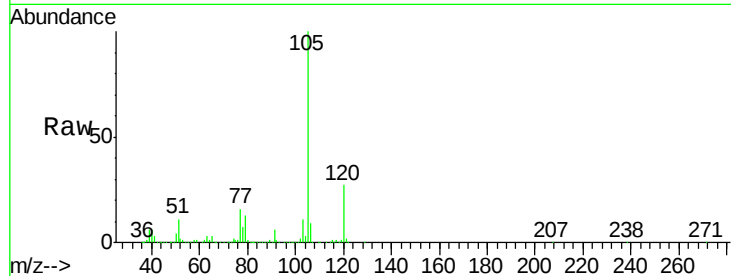
VX0320WBS02

Tot Ion:105 Resp: 354753

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



#74

N-ethyl acetate

Concen: 20.545 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion: 43 Resp: 184747

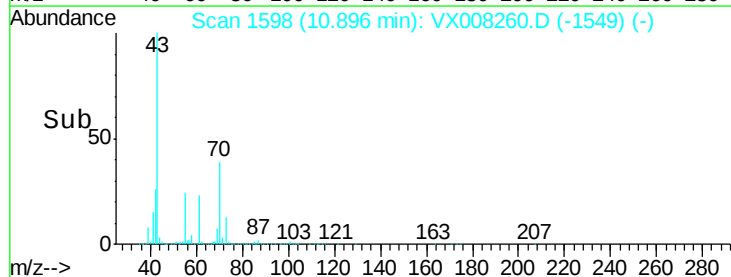
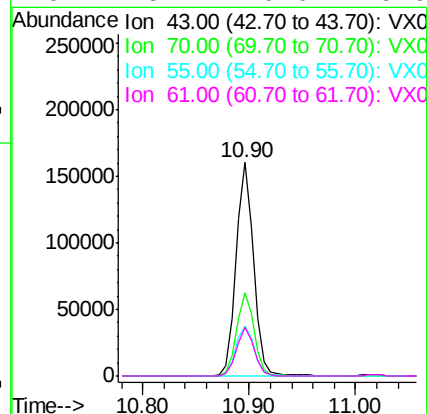
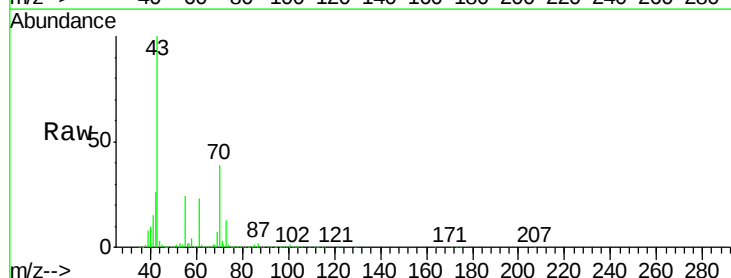
Ion Ratio Lower Upper

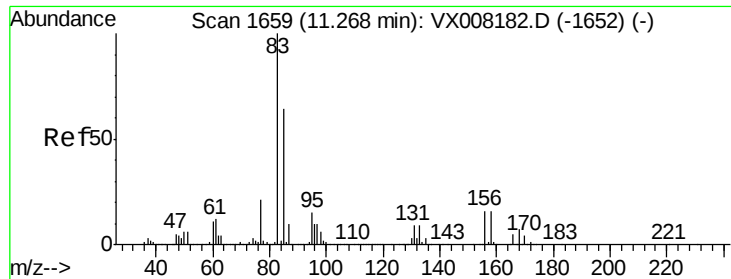
43 100

70 39.5 33.5 50.3

55 24.4 19.2 28.8

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.785 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

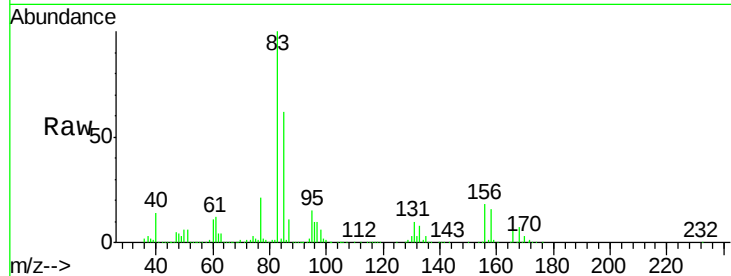
Tot Ion: 83 Resp: 127916

Ion Ratio Lower Upper

83 100

131 9.2 5.4 16.2

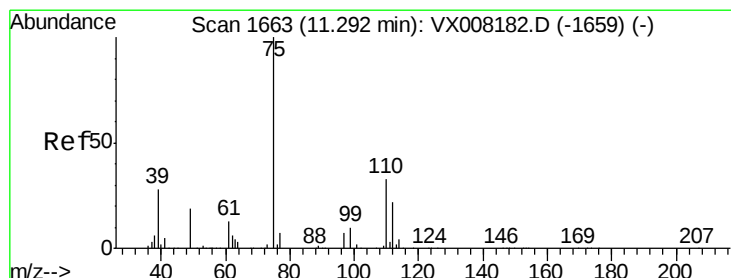
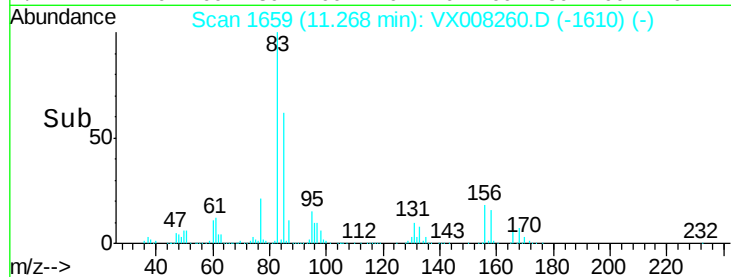
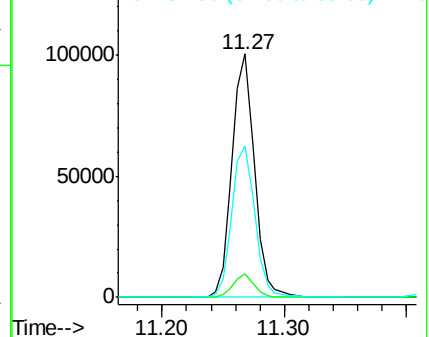
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.248 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008260.D

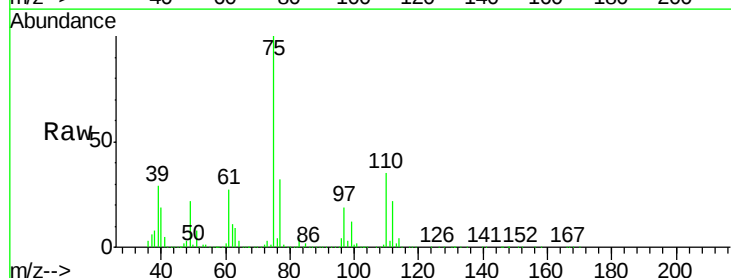
Acq: 20 Mar 2019 23:32

Tgt Ion: 75 Resp: 147565

Ion Ratio Lower Upper

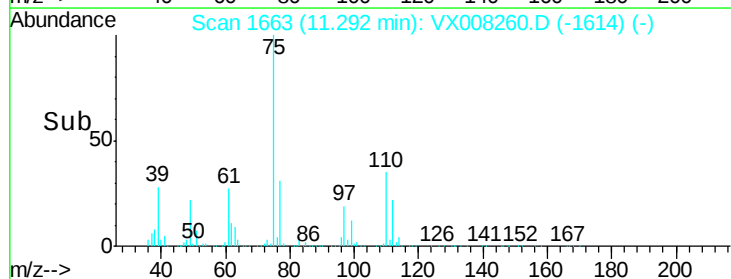
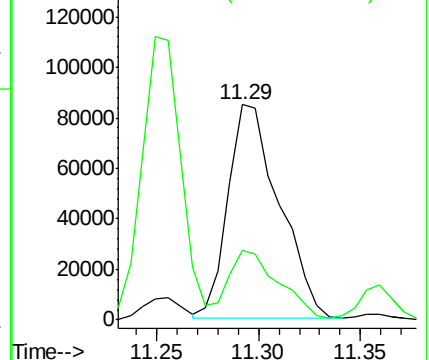
75 100

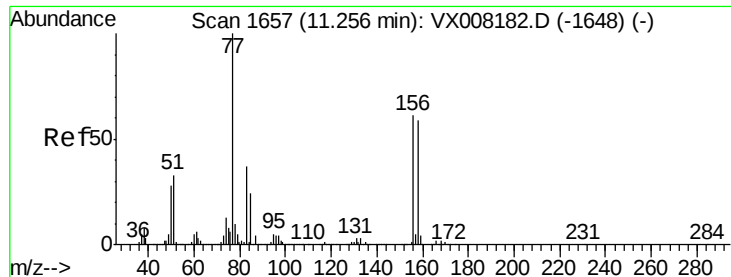
77 32.3 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

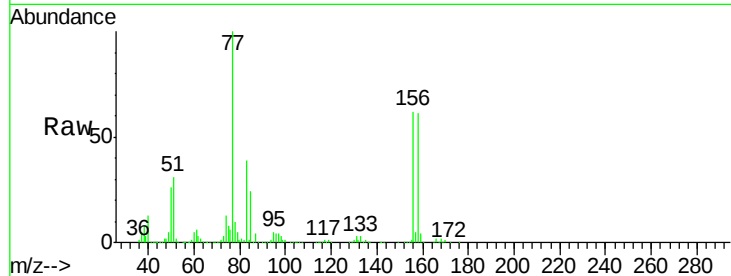
Tot Ion:156 Resp: 86488

Ion Ratio Lower Upper

156 100

77 171.1 72.0 215.9

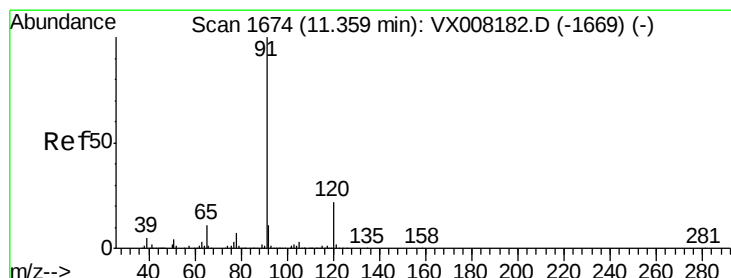
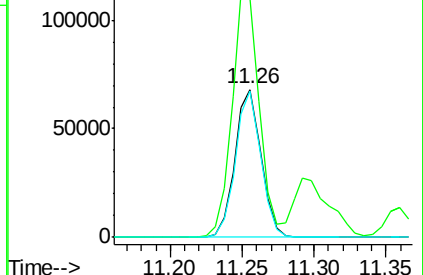
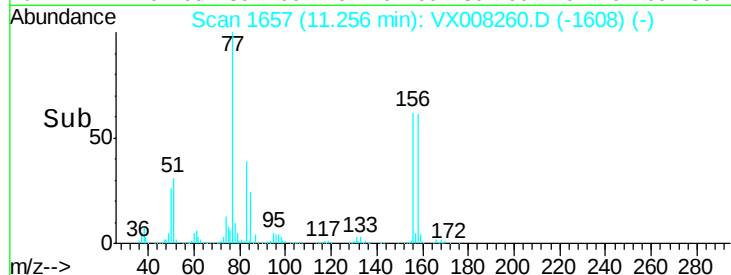
158 96.0 48.6 145.9



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: 20.298 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008260.D

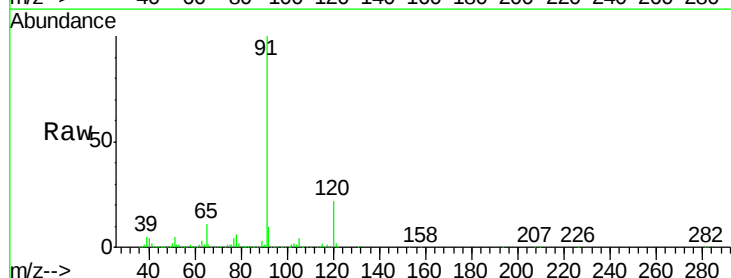
Acq: 20 Mar 2019 23:32

Tgt Ion: 91 Resp: 404623

Ion Ratio Lower Upper

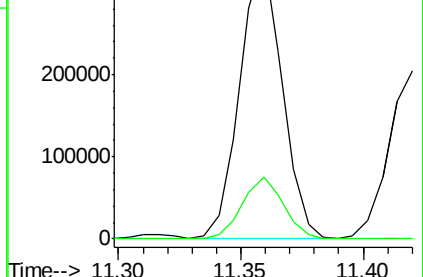
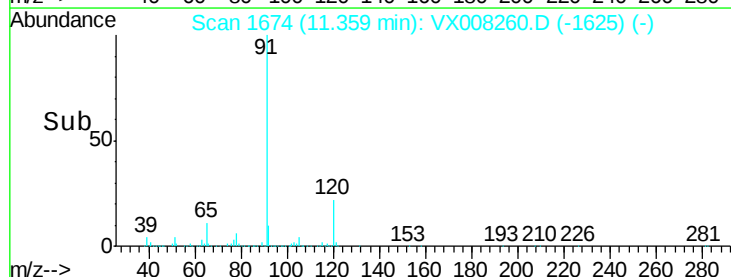
91 100

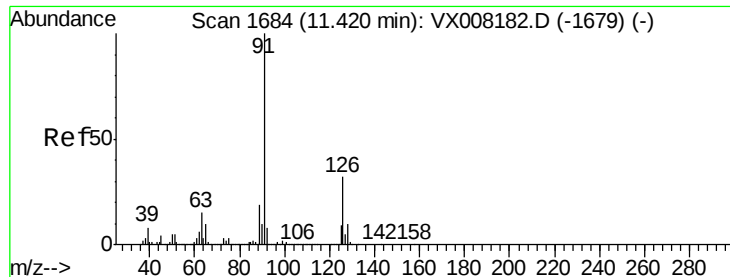
120 22.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

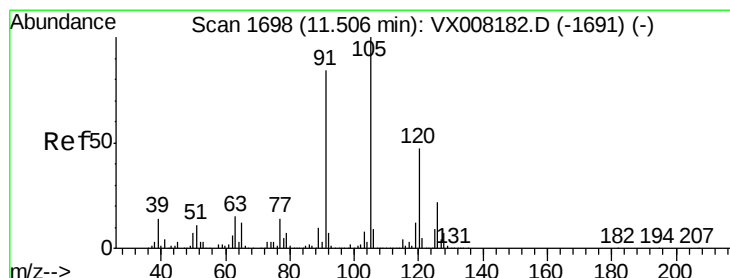
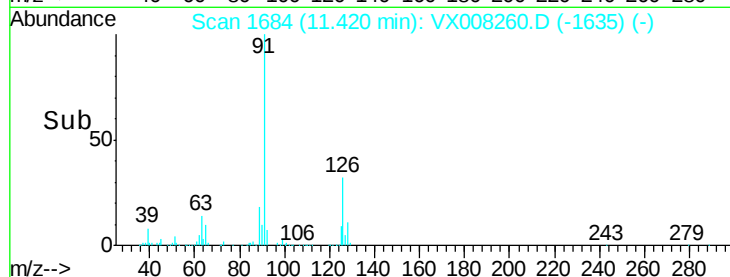
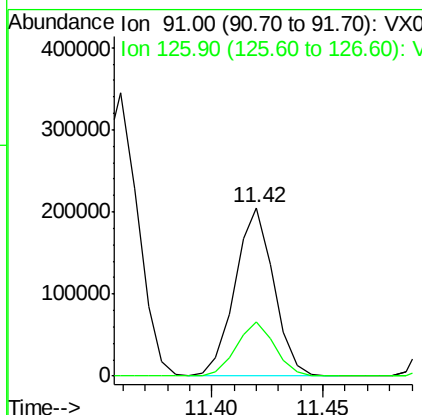
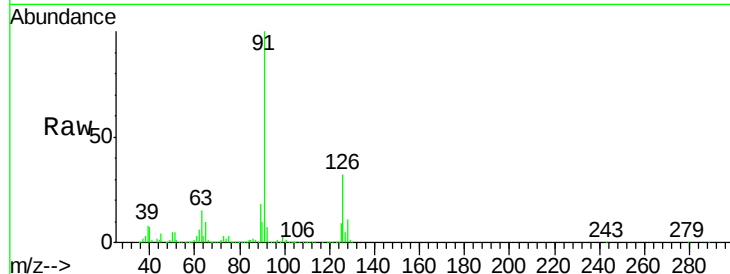




#79
 2-Chlorotoluene
 Concen: 20.617 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

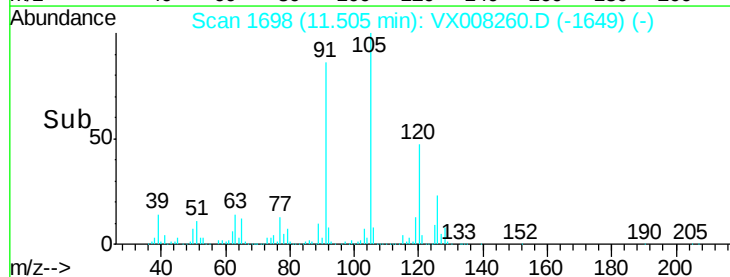
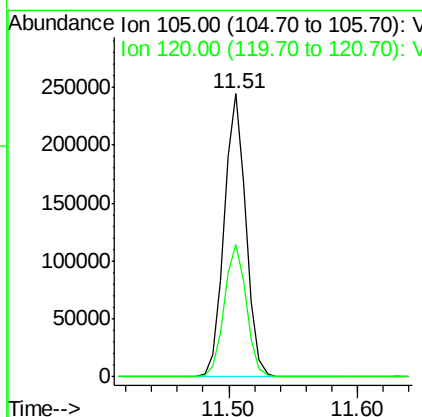
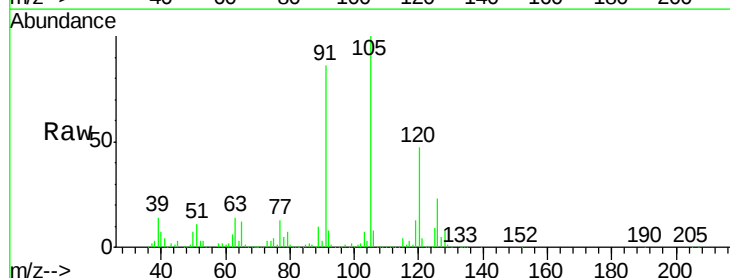
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

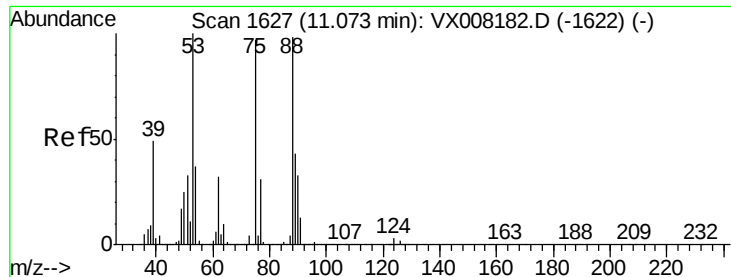
Tot Ion: 91 Resp: 246673
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.440 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion: 105 Resp: 289832
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.9 74.6

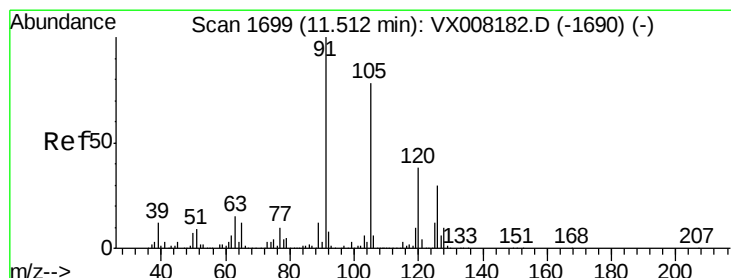
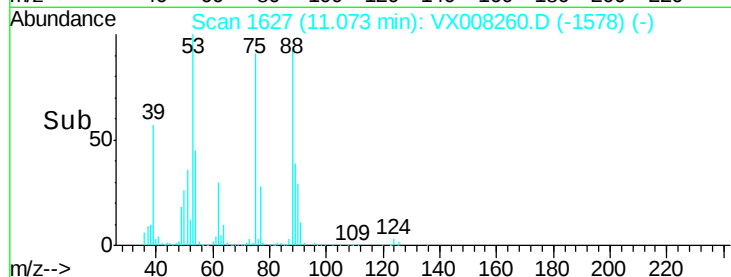
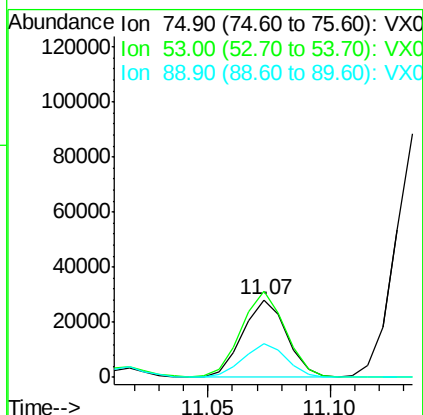
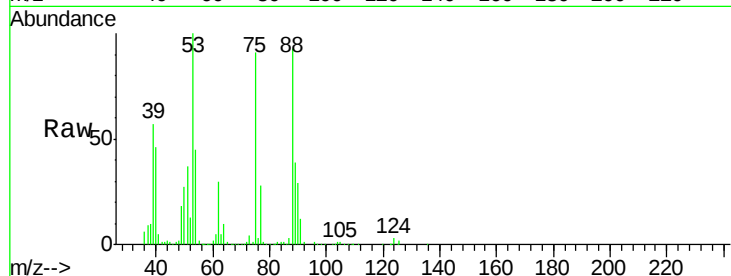




#81
trans-1,4-Dichloro-2-butene
Concen: 17.400 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

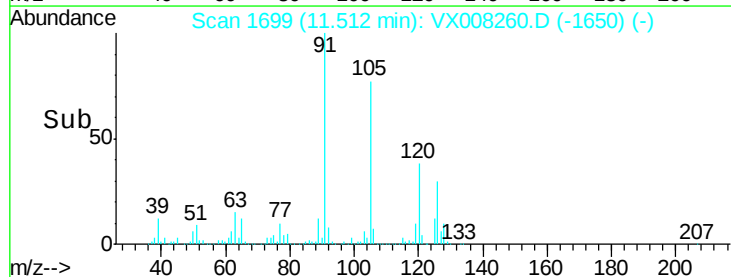
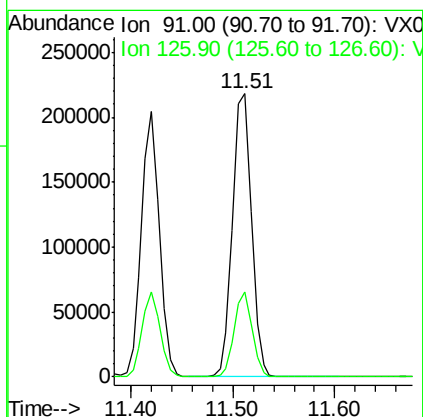
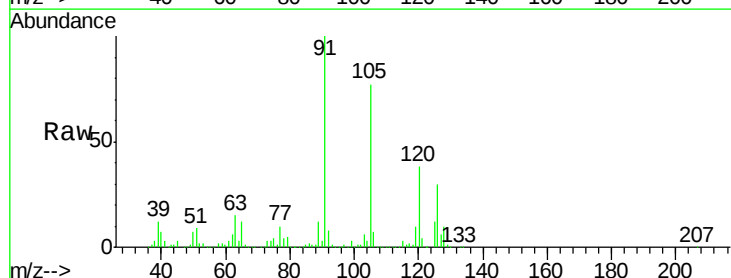
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

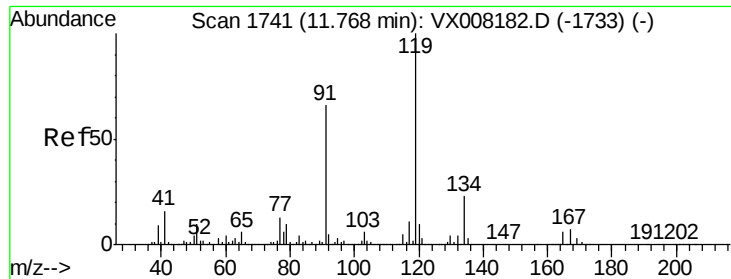
Tot Ion: 75 Resp: 34914
Ion Ratio Lower Upper
75 100
53 110.5 76.1 114.1
89 42.8 36.3 54.5



#82
4-Chlorotoluene
Concen: 20.076 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 91 Resp: 279515
Ion Ratio Lower Upper
91 100
126 28.3 15.6 46.8

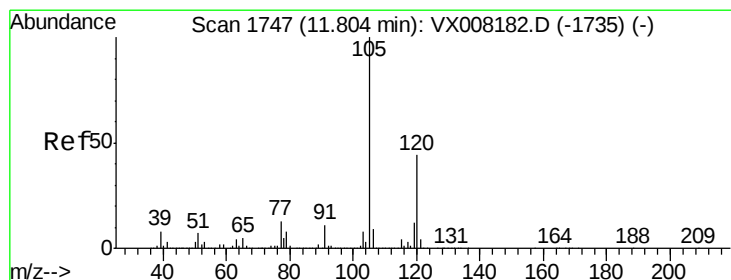
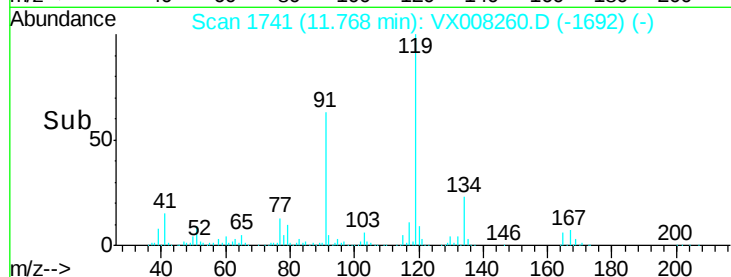
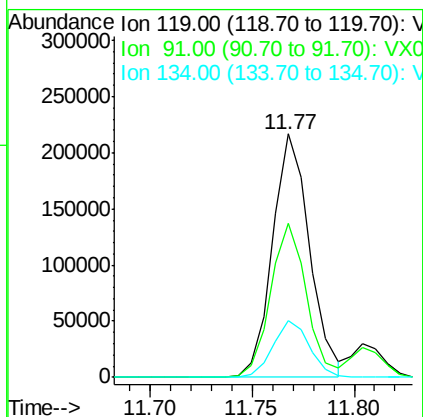
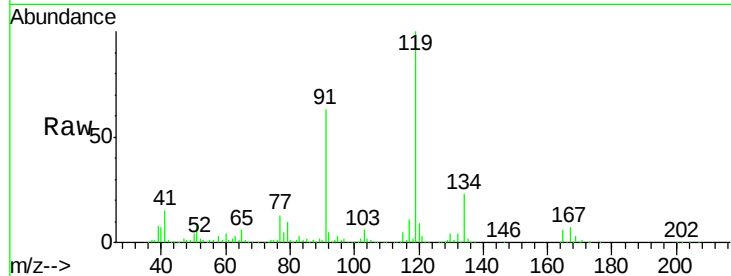




#83
 tert-Butylbenzene
 Concen: 20.325 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

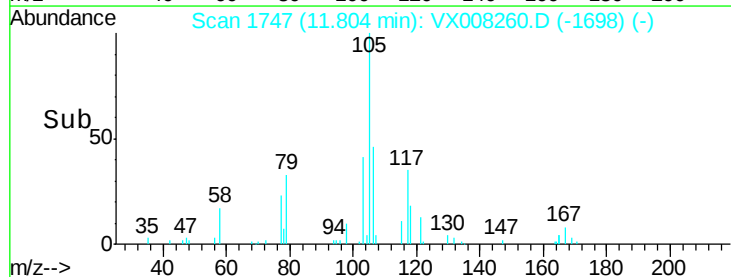
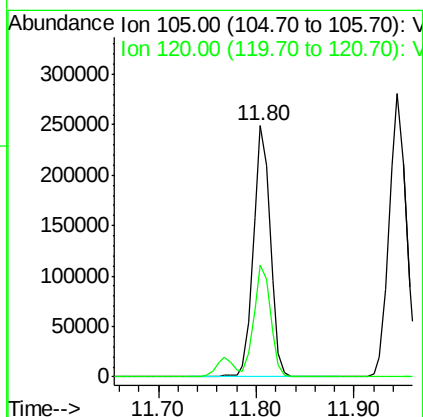
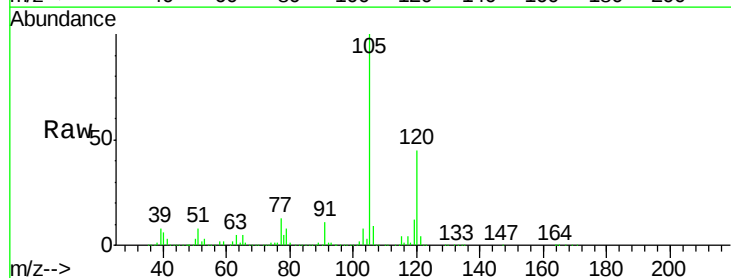
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

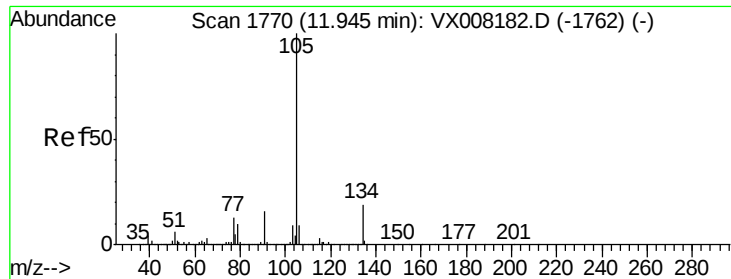
Tot Ion:119 Resp: 275150
 Ion Ratio Lower Upper
 119 100
 91 61.1 27.1 81.3
 134 22.8 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion:105 Resp: 296959
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.7

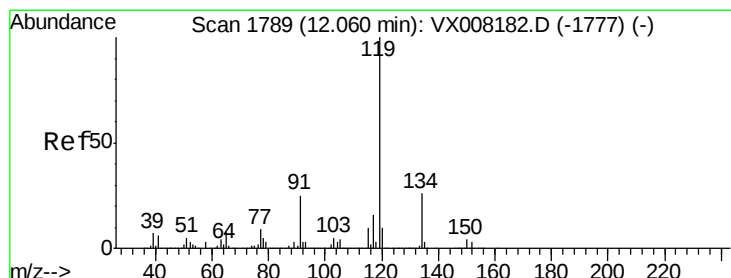
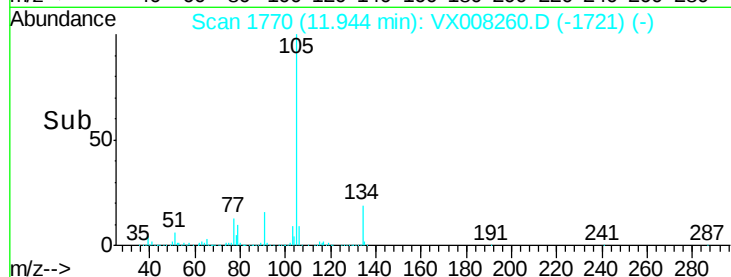
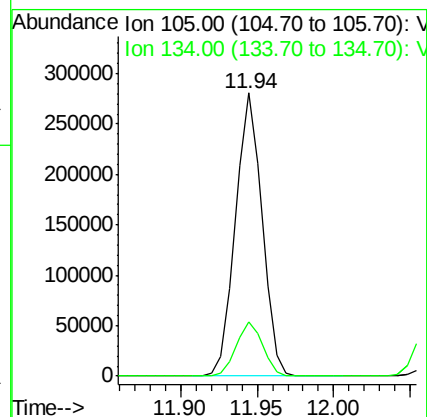
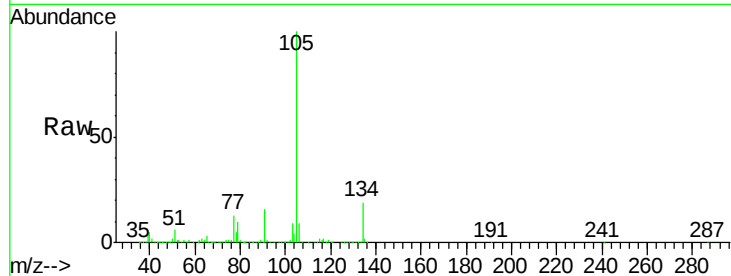




#85
 sec-Butylbenzene
 Concen: 20.141 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

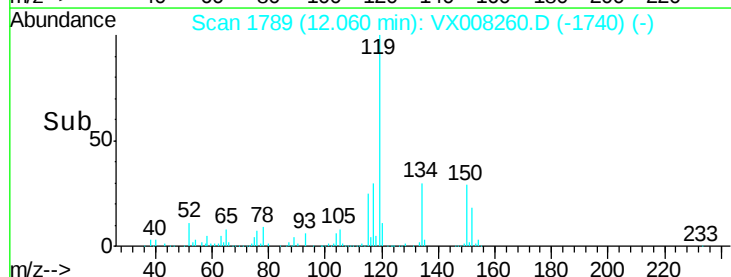
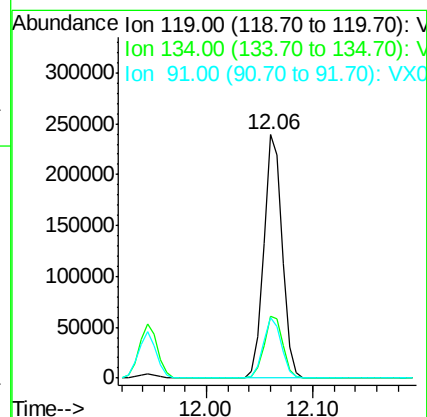
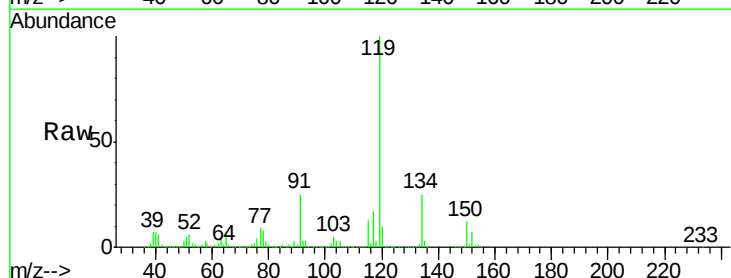
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

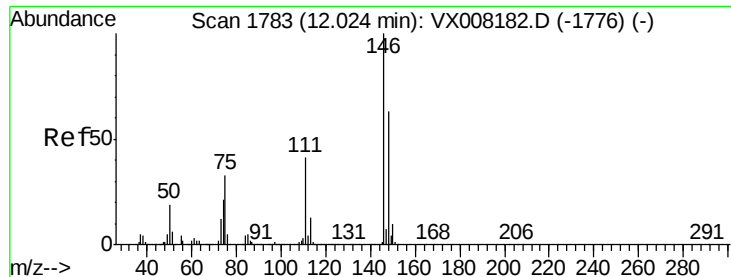
Tot Ion:105 Resp: 337654
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 19.994 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion:119 Resp: 290144
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.9
 91 24.4 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.147 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

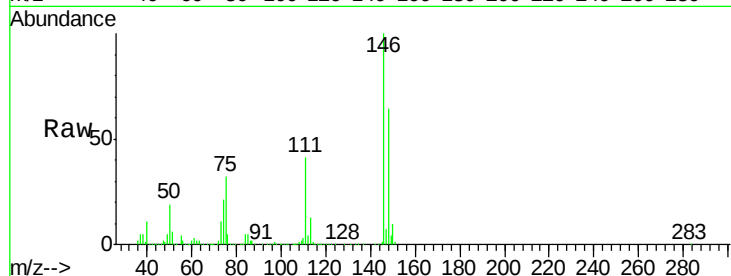
Tot Ion:146 Resp: 149413

Ion Ratio Lower Upper

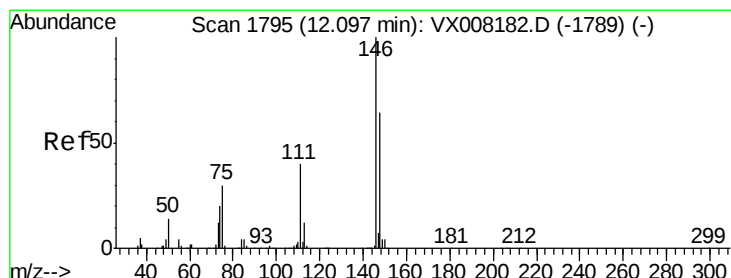
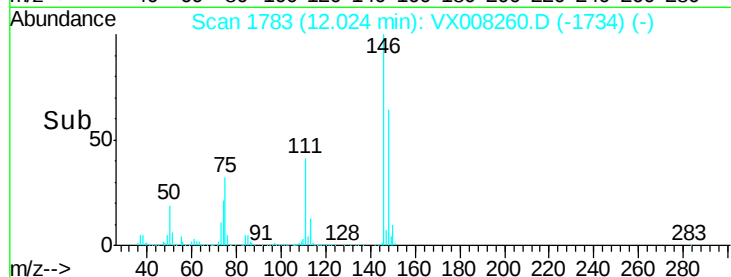
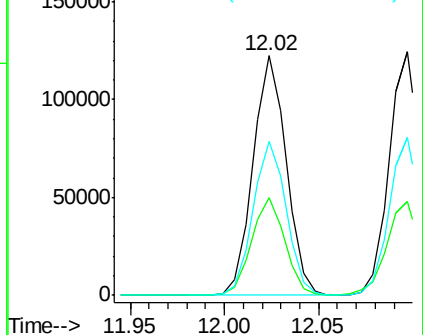
146 100

111 40.8 18.9 56.7

148 64.1 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: 19.482 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

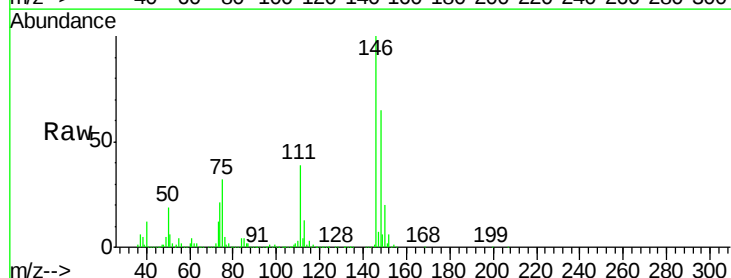
Tgt Ion:146 Resp: 149448

Ion Ratio Lower Upper

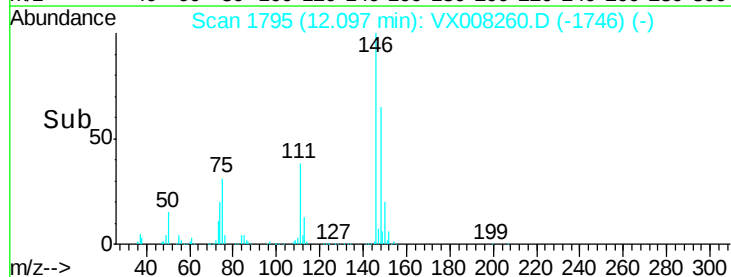
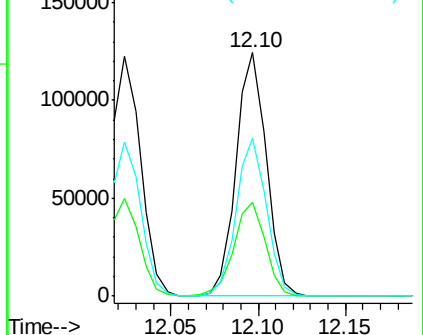
146 100

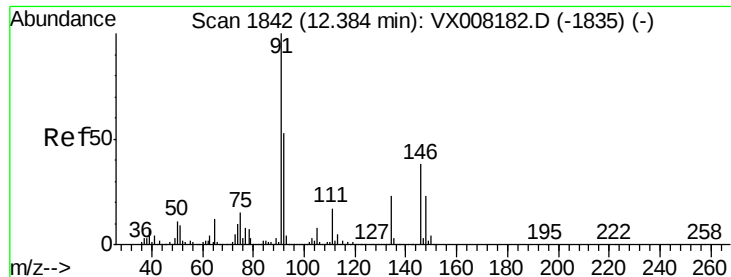
111 40.6 18.4 55.0

148 65.3 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: 18.828 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

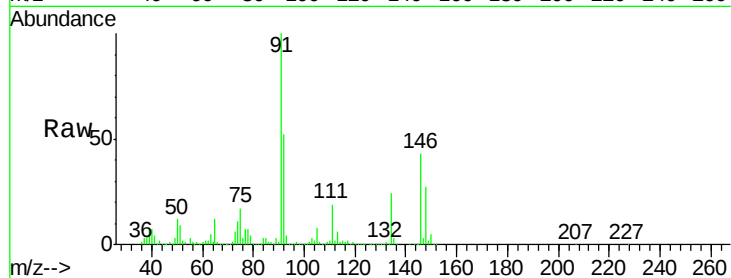
Tot Ion: 91 Resp: 256433

Ion Ratio Lower Upper

91 100

92 52.0 27.0 80.8

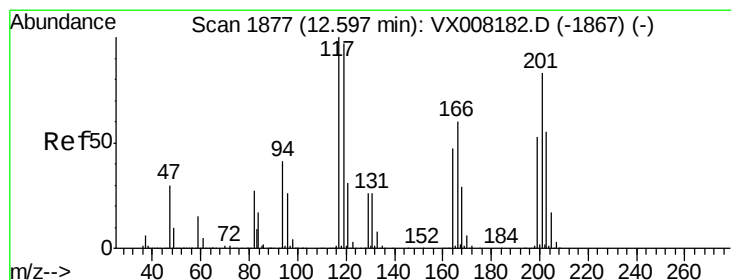
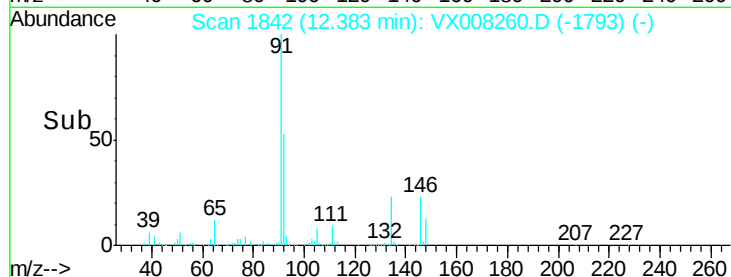
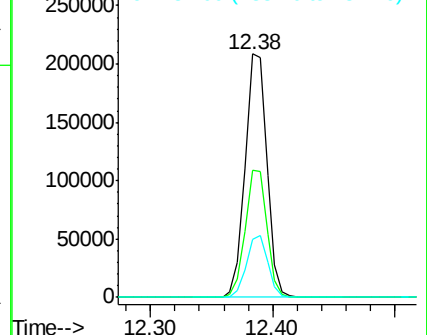
134 24.7 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.893 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008260.D

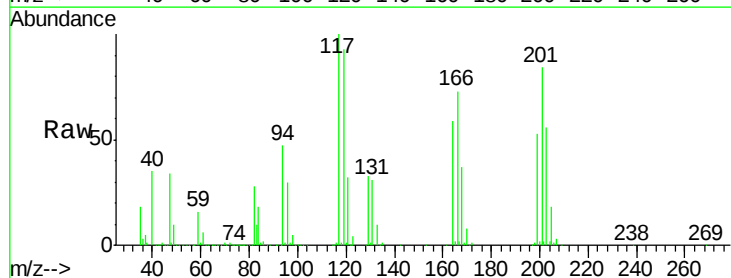
Acq: 20 Mar 2019 23:32

Tgt Ion: 117 Resp: 49164

Ion Ratio Lower Upper

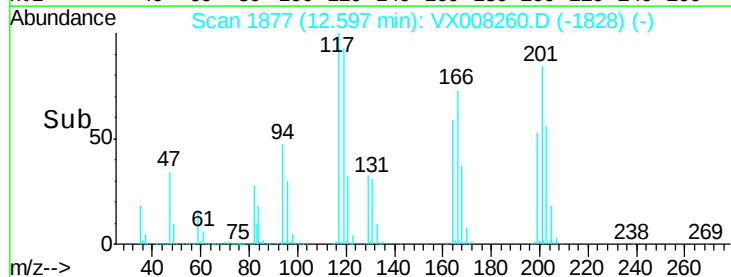
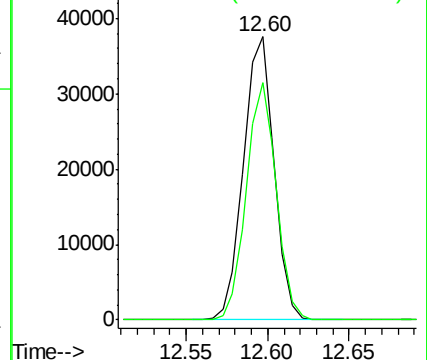
117 100

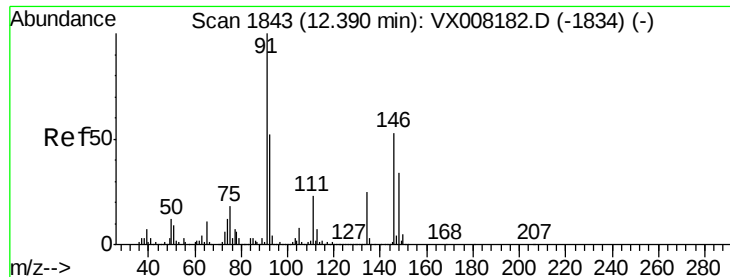
201 81.8 48.9 146.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.247 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

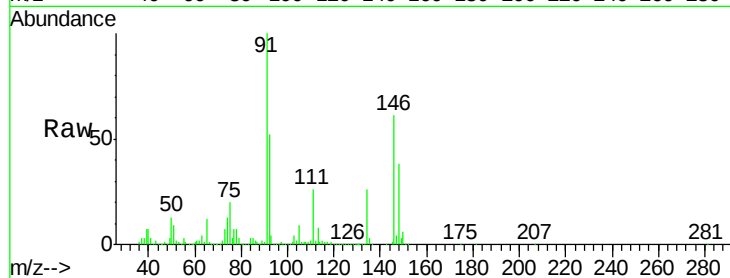
Tot Ion:146 Resp: 151398

Ion Ratio Lower Upper

146 100

111 42.2 19.6 58.8

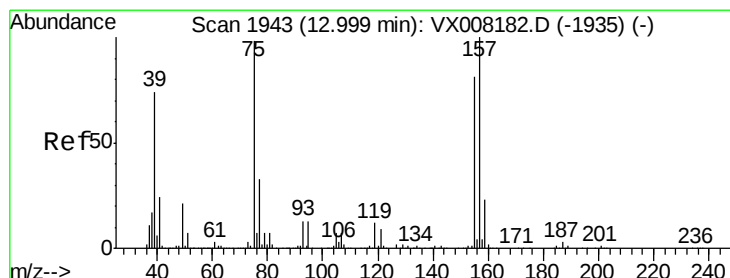
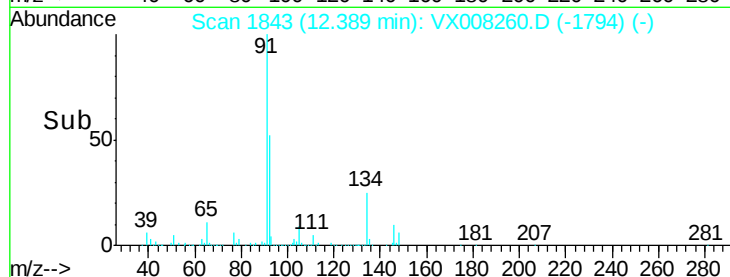
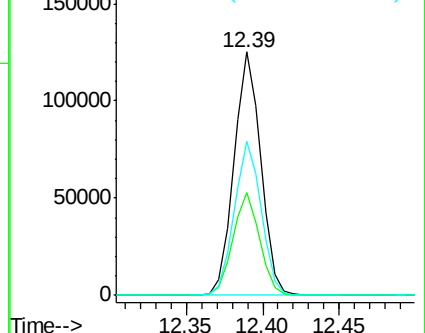
148 63.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.213 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

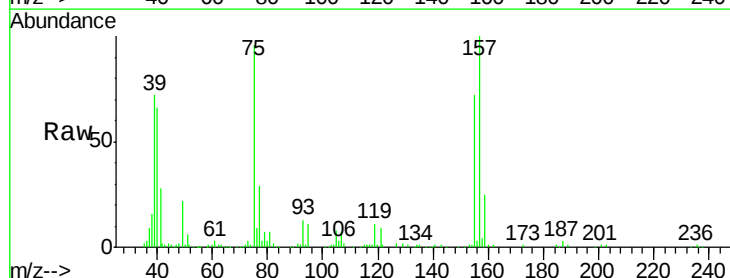
Tgt Ion: 75 Resp: 27629

Ion Ratio Lower Upper

75 100

155 78.3 49.7 149.1

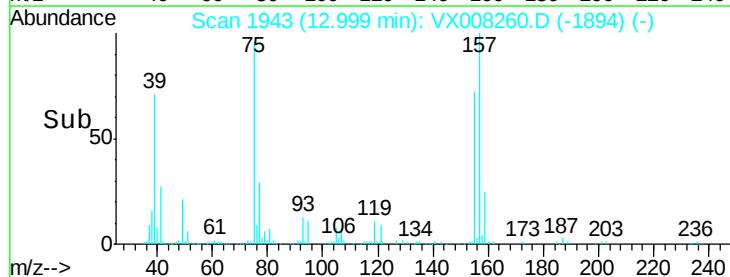
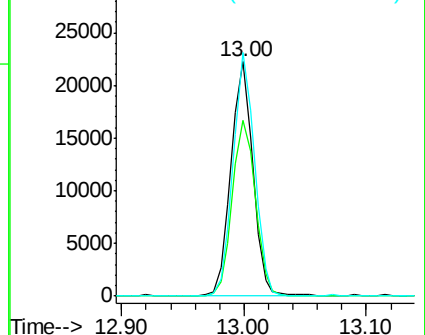
157 100.8 63.8 191.4

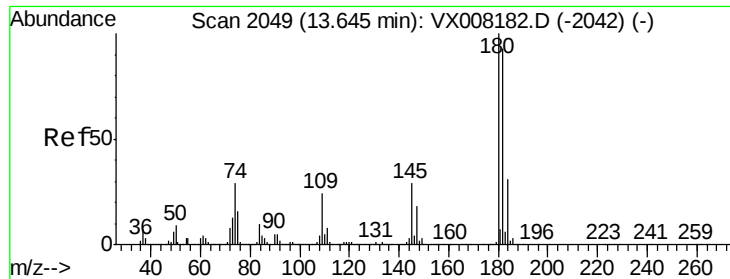


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

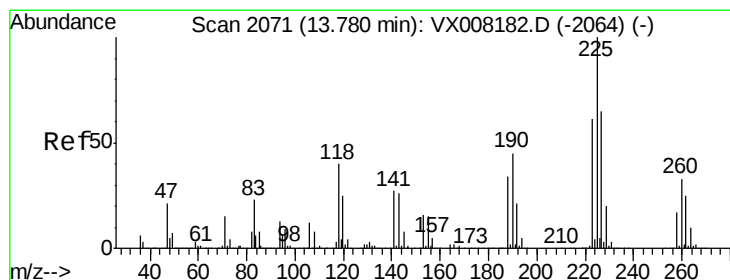
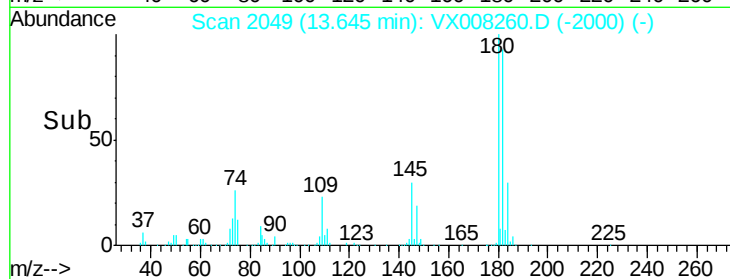
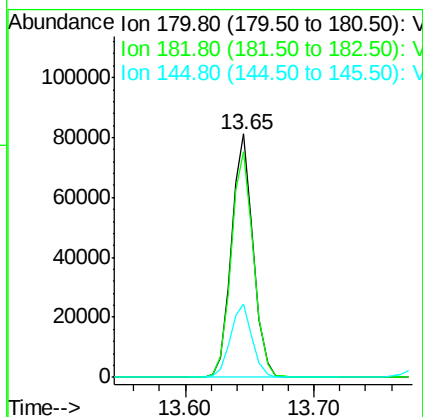
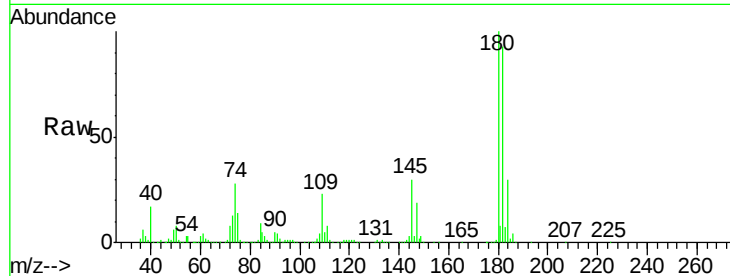




#93
 1,2,4-Trichlorobenzene
 Concen: 19.407 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

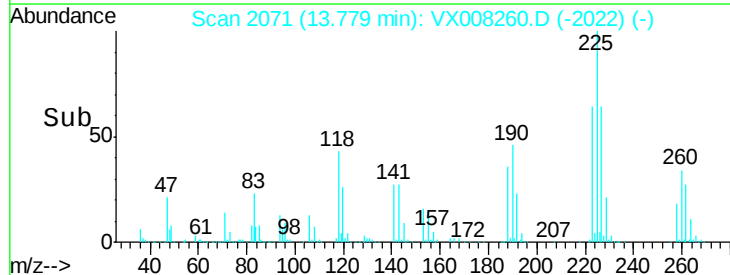
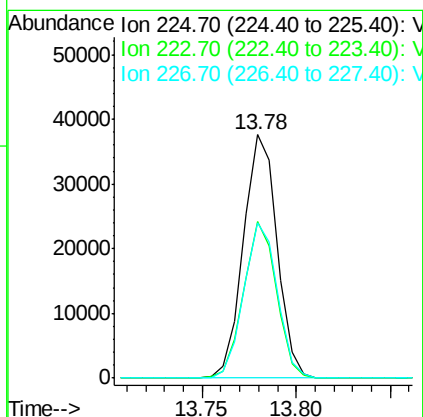
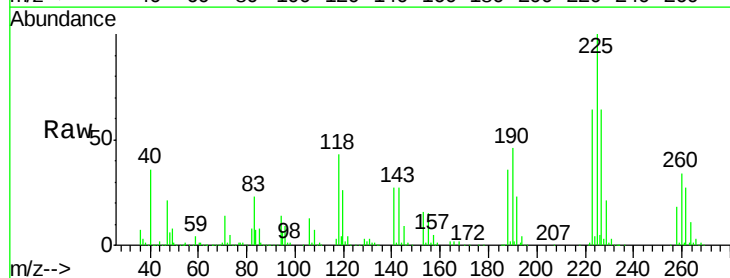
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

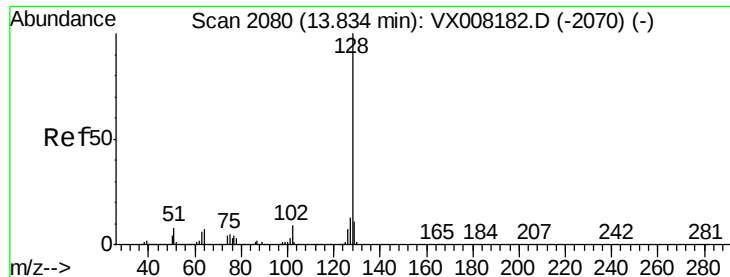
Tot Ion:180 Resp: 95587
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.7
 145 30.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 19.424 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion:225 Resp: 46660
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.2
 227 63.4 32.0 96.0

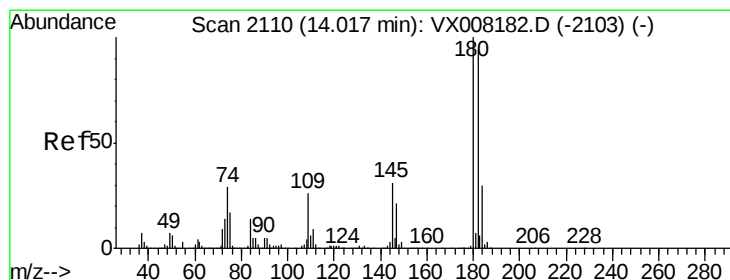
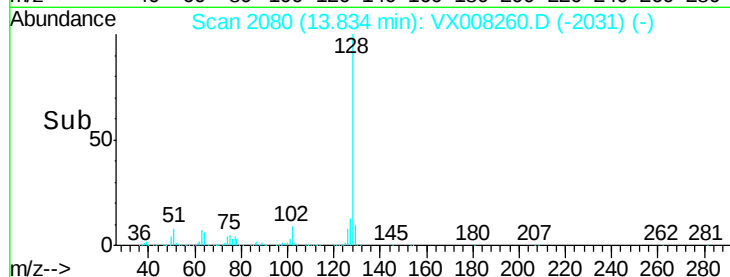
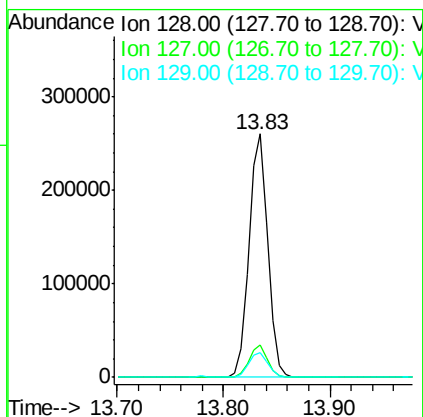
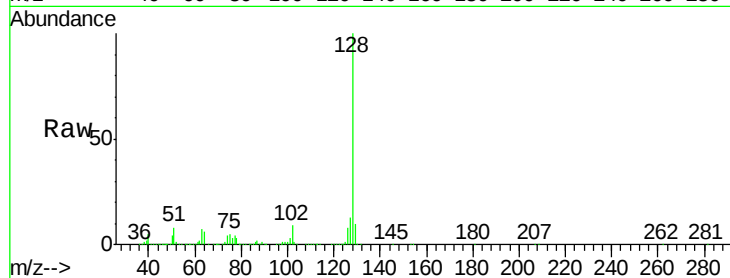




#95
Naphthalene
Concen: 20.637 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion:128 Resp: 320814
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.158 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion:180 Resp: 97694
Ion Ratio Lower Upper
180 100
182 94.0 47.5 142.5
145 31.8 14.8 44.3

