

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
 Data File : VX007851.D
 Acq On : 06 Mar 2019 09:41
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 07 07:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	464709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	661644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	590800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	284905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	6050	1.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.46%	
35) Dibromofluoromethane	5.50	113	4813	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
50) Toluene-d8	8.71	98	15693	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
62) 4-Bromofluorobenzene	11.13	95	5256	0.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	2731	0.688	ug/l	98
3) Chloromethane	1.33	50	3918	0.766	ug/l	99
4) Vinyl Chloride	1.41	62	3568	0.702	ug/l	95
5) Bromomethane	1.64	94	2261	0.731	ug/l	99
6) Chloroethane	1.73	64	2386	0.706	ug/l	92
7) Trichlorofluoromethane	1.94	101	4626	0.699	ug/l	99
8) Diethyl Ether	2.19	74	1999	0.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2937	0.716	ug/l	97
10) Methyl Iodide	2.51	142	3562	0.612	ug/l	99
11) Tert butyl alcohol	3.06	59	4851	4.425	ug/l	99
12) 1,1-Dichloroethene	2.38	96	2764	0.699	ug/l	98
13) Acrolein	2.30	56	3878	5.858	ug/l	96
14) Allyl chloride	2.73	41	5644	0.679	ug/l	95
15) Acrylonitrile	3.15	53	9580	3.462	ug/l	98
16) Acetone	2.45	43	10817	3.812	ug/l	99
17) Carbon Disulfide	2.57	76	9175	0.691	ug/l	99
18) Methyl Acetate	2.78	43	3954	0.656	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	9223	0.678	ug/l	91
20) Methylene Chloride	2.86	84	3465	0.767	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	3199	0.735	ug/l	98
22) Diisopropyl ether	3.87	45	11280	0.741	ug/l	94
23) Vinyl Acetate	3.82	43	47779	3.578	ug/l	99
24) 1,1-Dichloroethane	3.70	63	5763	0.703	ug/l	97
25) 2-Butanone	4.70	43	14131	3.518	ug/l	99
26) 2,2-Dichloropropane	4.58	77	3909	0.720	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	3331	0.669	ug/l	92
28) Bromochloromethane	5.01	49	2807	0.735	ug/l #	97
29) Tetrahydrofuran	5.15	42	8572	3.421	ug/l	97
30) Chloroform	5.21	83	5308	0.685	ug/l	92
31) Cyclohexane	5.57	56	4929	0.654	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	4256	0.662	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	4391	0.733	ug/l	96
37) Ethyl Acetate	4.85	43	5161	0.726	ug/l	96
38) Carbon Tetrachloride	5.78	117	4150	0.730	ug/l	91

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 ClientSampleId :
 VSTDIC001

Quant Time: Mar 07 07:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	5062	0.697	ug/l	98
40) Benzene	6.14	78	12637	0.709	ug/l	99
41) Methacrylonitrile	5.06	41	2686	0.693	ug/l	97
42) 1,2-Dichloroethane	6.20	62	4122	0.707	ug/l	98
43) Isopropyl Acetate	6.46	43	7212	0.685	ug/l	99
44) Trichloroethene	7.21	130	3549	0.722	ug/l	94
45) 1,2-Dichloropropane	7.52	63	3201	0.680	ug/l	96
46) Dibromomethane	7.66	93	2029	0.681	ug/l	97
47) Bromodichloromethane	7.90	83	3778	0.668	ug/l #	96
48) Methyl methacrylate	7.77	41	3683	0.666	ug/l	97
49) 1,4-Dioxane	7.76	88	1481	13.033	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	21880	3.234	ug/l	99
52) Toluene	8.78	92	7450	0.684	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	3358	0.569	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	4225	0.634	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	3068	0.696	ug/l	94
56) Ethyl methacrylate	9.18	69	4125	0.623	ug/l	96
57) 1,3-Dichloropropane	9.37	76	5141	0.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	7787	2.275	ug/l	99
59) 2-Hexanone	9.49	43	17145	3.264	ug/l	97
60) Dibromochloromethane	9.58	129	3038	0.659	ug/l	98
61) 1,2-Dibromoethane	9.67	107	3006	0.642	ug/l	96
64) Tetrachloroethene	9.34	164	3780	0.772	ug/l	98
65) Chlorobenzene	10.14	112	8654	0.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	2919	0.659	ug/l #	65
67) Ethyl Benzene	10.25	91	13635	0.670	ug/l	97
68) m/p-Xylenes	10.36	106	10332	1.317	ug/l	99
69) o-Xylene	10.70	106	4927	0.651	ug/l	97
70) Styrene	10.71	104	7652	0.617	ug/l	98
71) Bromoform	10.85	173	2350	0.618	ug/l #	95
73) Isopropylbenzene	11.02	105	12646	0.656	ug/l	99
74) N-amyl acetate	10.90	43	5369	0.610	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	4843	0.729	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	5002	0.830	ug/l	96
77) Bromobenzene	11.26	156	3629	0.687	ug/l	97
78) n-propylbenzene	11.36	91	13680	0.640	ug/l	97
79) 2-Chlorotoluene	11.42	91	8974	0.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	10094	0.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1094	0.585	ug/l #	82
82) 4-Chlorotoluene	11.51	91	9877	0.659	ug/l	98
83) tert-Butylbenzene	11.77	119	10813	0.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	10210	0.628	ug/l	100
85) sec-Butylbenzene	11.94	105	12092	0.643	ug/l	100
86) p-Isopropyltoluene	12.06	119	10751	0.638	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	6561	0.702	ug/l	98
88) 1,4-Dichlorobenzene	12.02	146	6561	0.685	ug/l	97
89) n-Butylbenzene	12.38	91	8808	0.617	ug/l	99
90) Hexachloroethane	12.60	117	1984	0.704	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	6762	0.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	936	0.674	ug/l	95

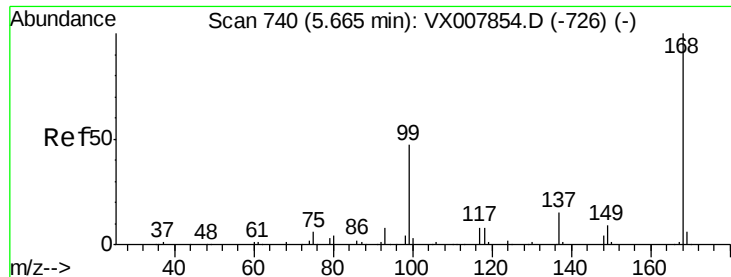
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4025	0.617	ug/l	100
94) Hexachlorobutadiene	13.78	225	2530	0.742	ug/l	98
95) Naphthalene	13.83	128	10138	0.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	4073	0.627	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

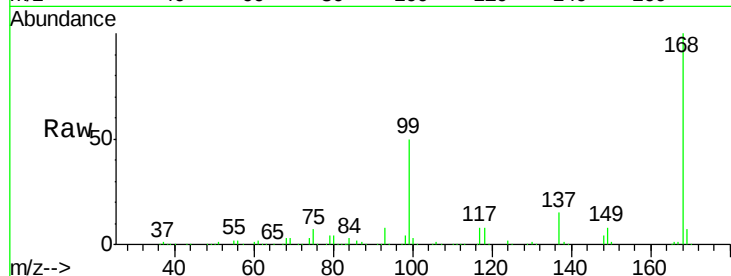
VSTDIC001

Tgt Ion:168 Resp: 464709

Ion Ratio Lower Upper

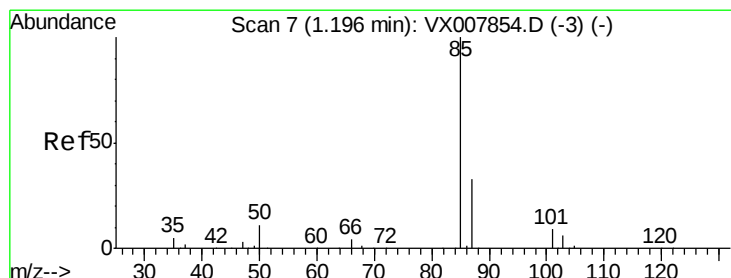
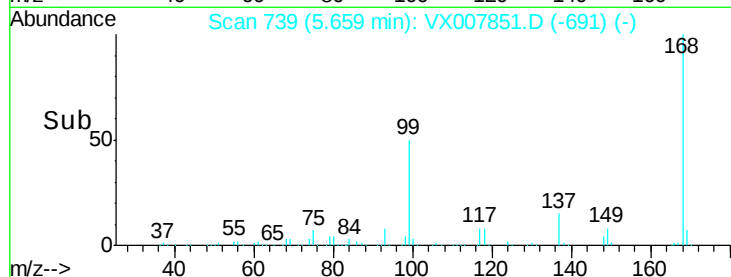
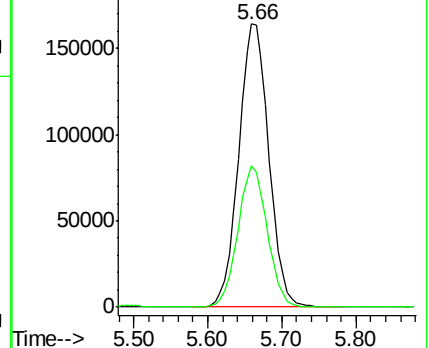
168 100

99 49.9 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: 0.688 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007851.D

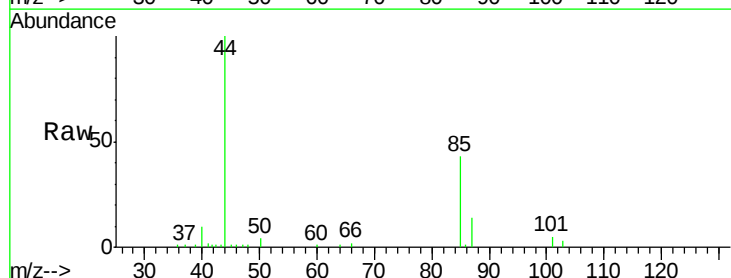
Acq: 06 Mar 2019 09:41

Tgt Ion: 85 Resp: 2731

Ion Ratio Lower Upper

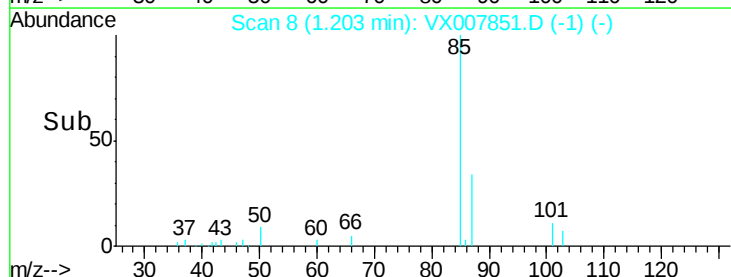
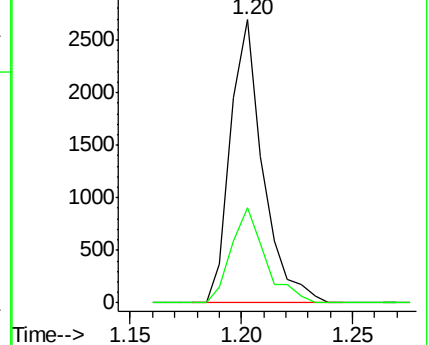
85 100

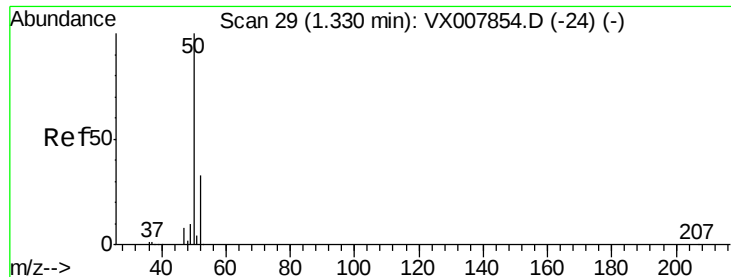
87 33.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.766 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

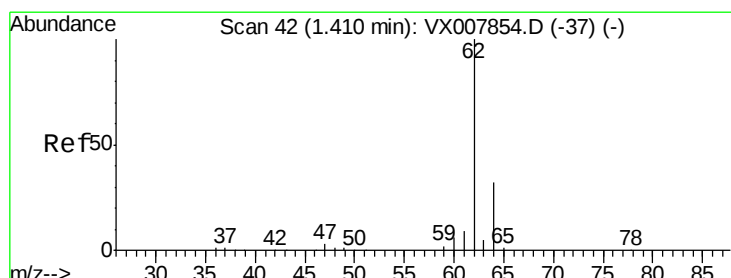
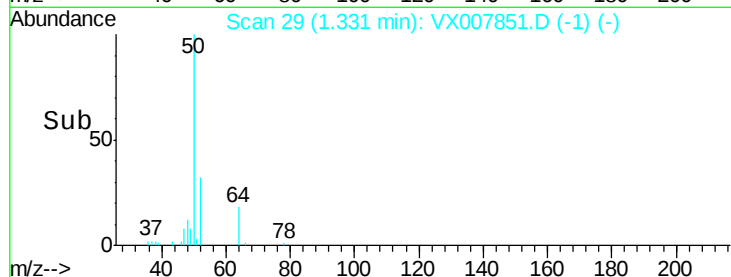
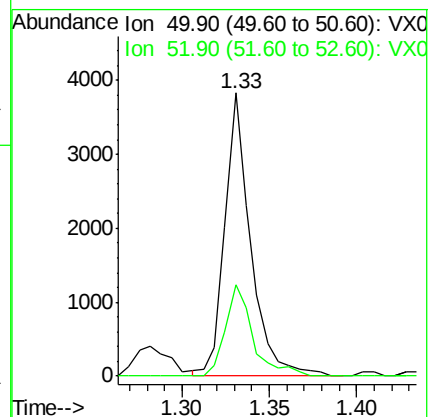
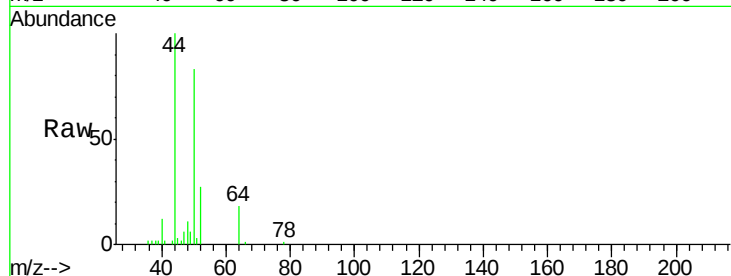
VSTDIC001

Tgt Ion: 50 Resp: 3918

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 0.702 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007851.D

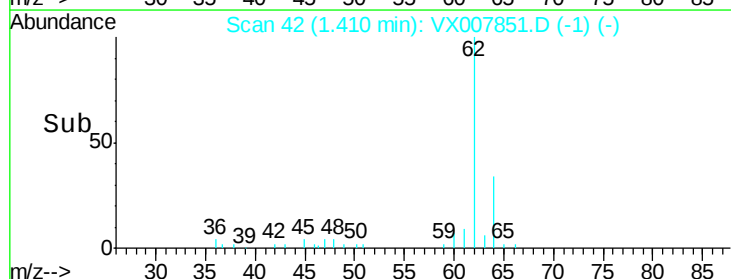
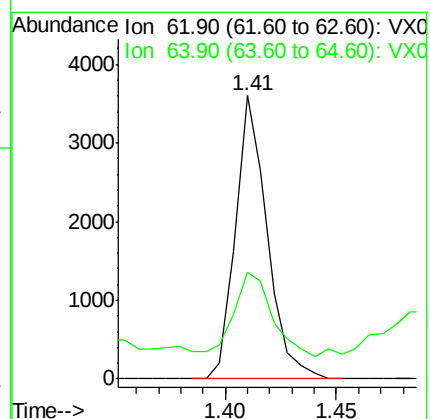
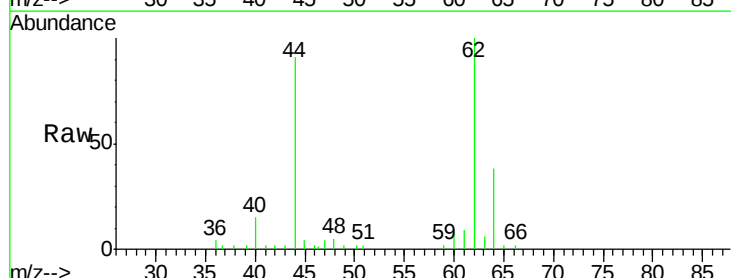
Acq: 06 Mar 2019 09:41

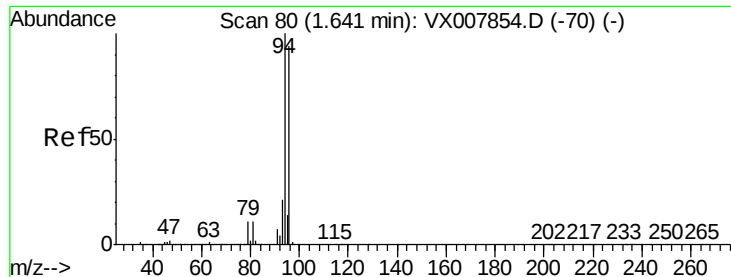
Tgt Ion: 62 Resp: 3568

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9





#5

Bromomethane

Concen: 0.731 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

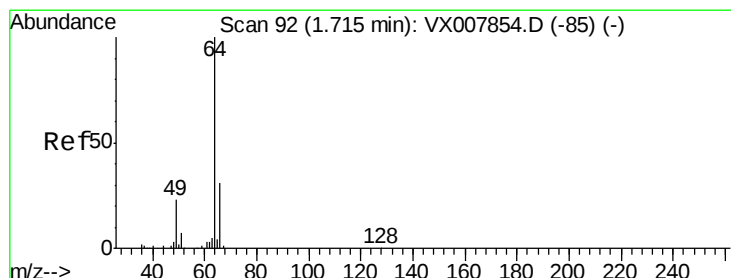
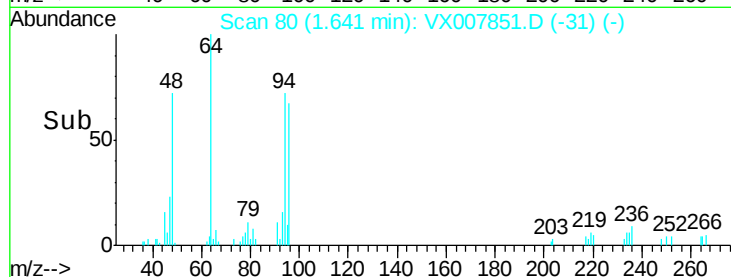
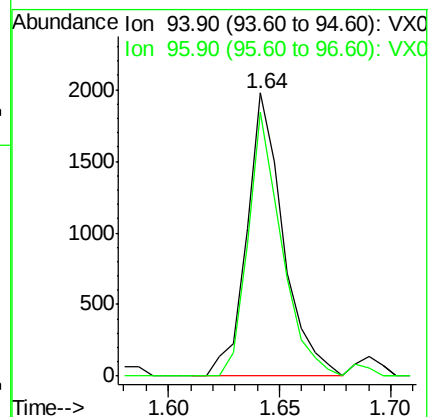
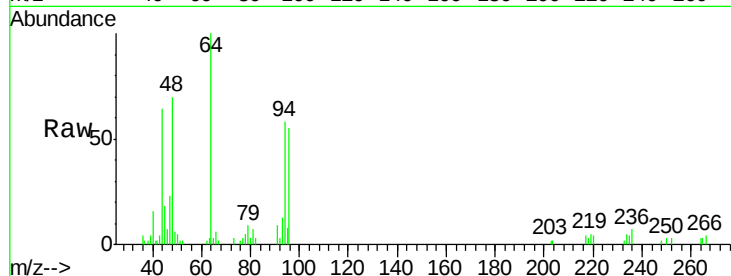
VSTDIC001

Tgt Ion: 94 Resp: 2261

Ion Ratio Lower Upper

94 100

96 93.3 75.5 113.3



#6

Chloroethane

Concen: 0.706 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX007851.D

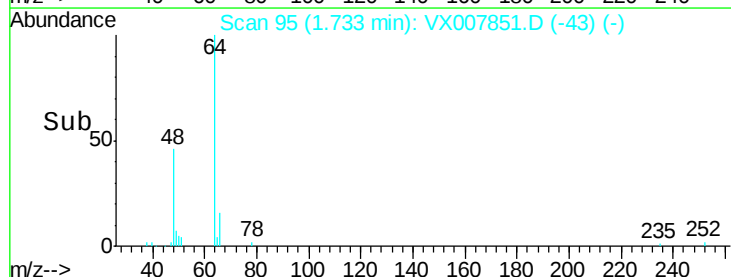
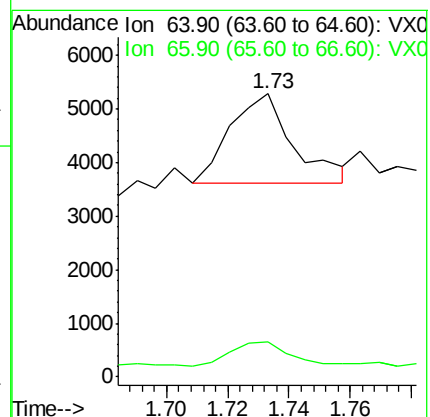
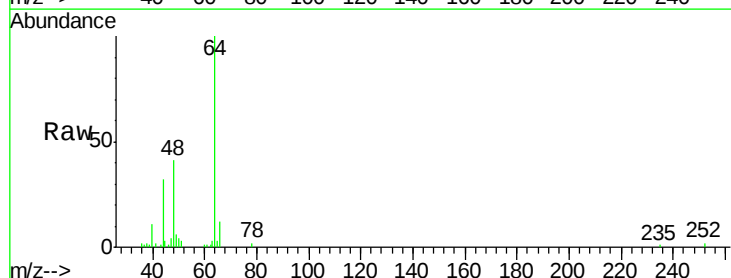
Acq: 06 Mar 2019 09:41

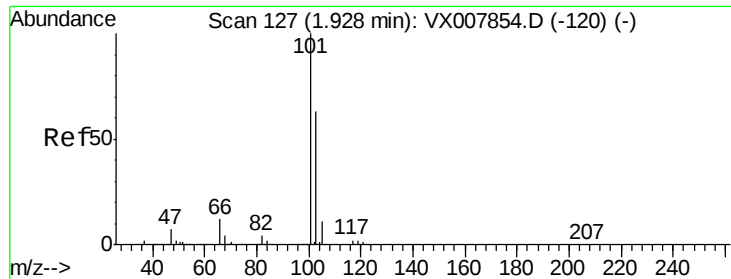
Tgt Ion: 64 Resp: 2386

Ion Ratio Lower Upper

64 100

66 27.0 25.2 37.8



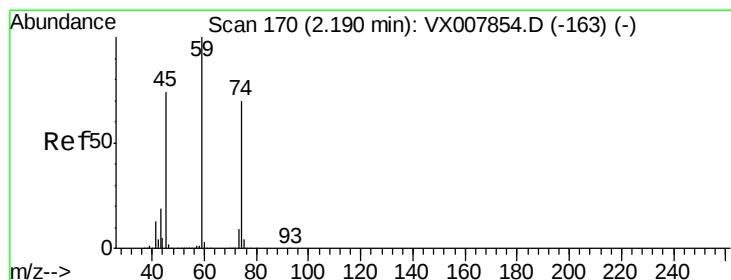
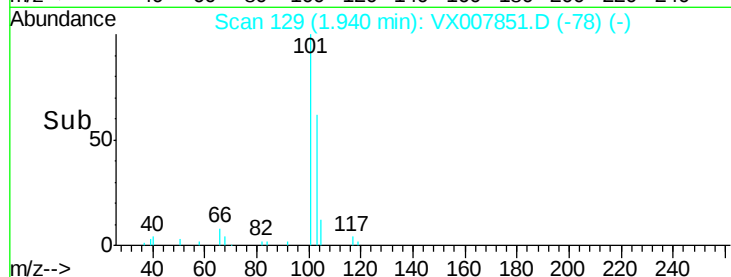
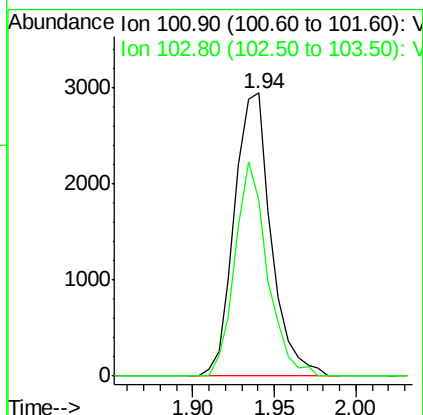
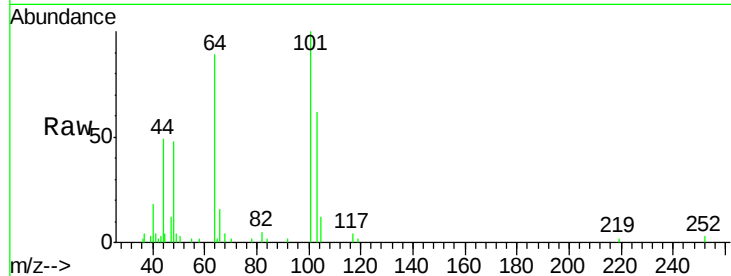


#7

Trichlorofluoromethane
 Concen: 0.699 ug/l
 RT: 1.94 min Scan# 129
 Delta R.T. 0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

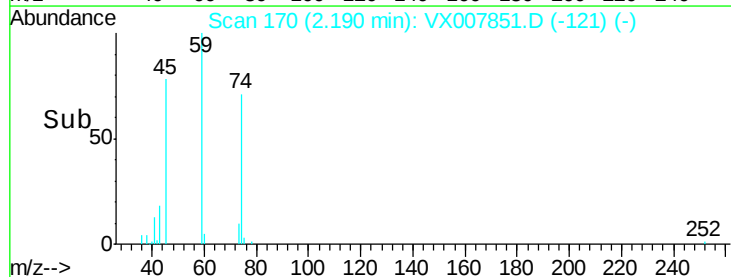
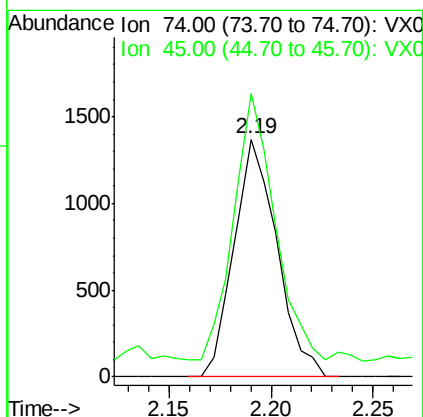
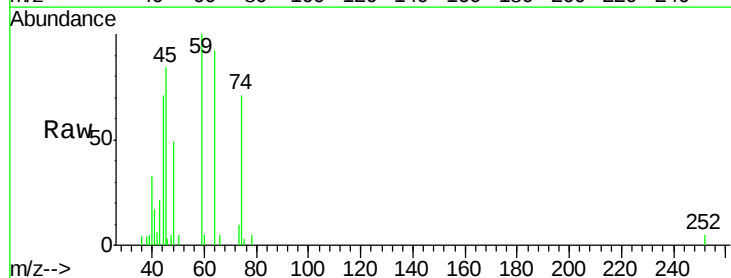
Tgt Ion: 101 Resp: 4626
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.4 75.6

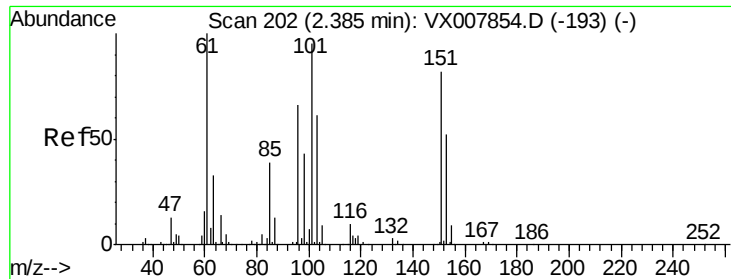


#8

Diethyl Ether
 Concen: 0.697 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 74 Resp: 1999
 Ion Ratio Lower Upper
 74 100
 45 109.8 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.716 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

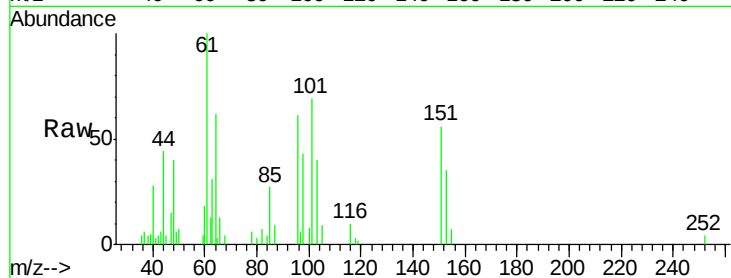
Tgt Ion:101 Resp: 2937

Ion Ratio Lower Upper

101 100

85 44.8 33.8 50.6

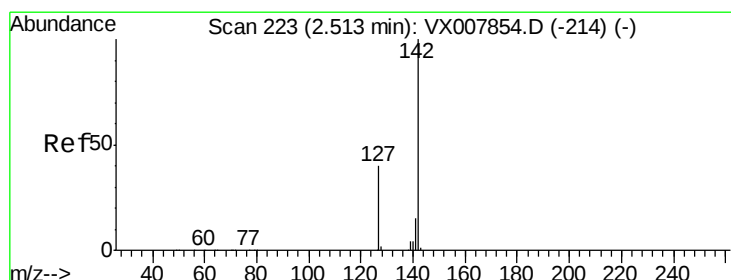
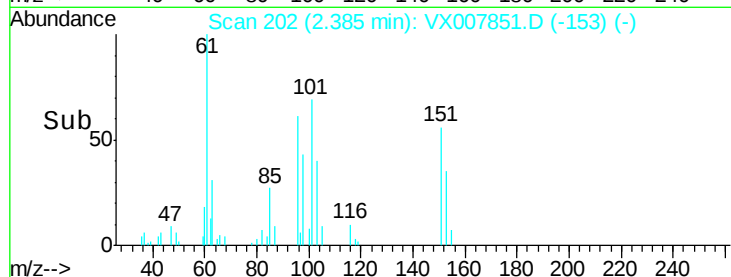
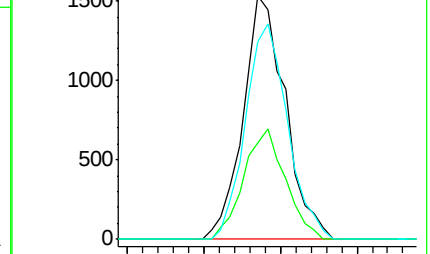
151 88.4 69.1 103.7



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: 0.612 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

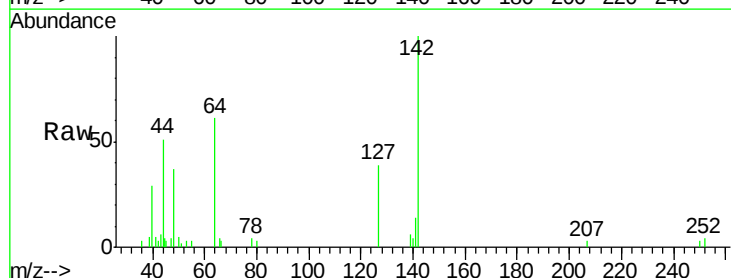
Tgt Ion:142 Resp: 3562

Ion Ratio Lower Upper

142 100

127 40.4 32.1 48.1

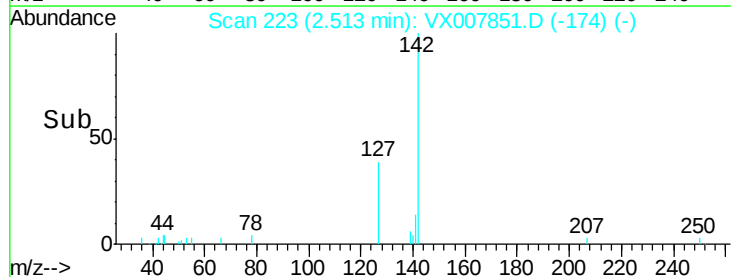
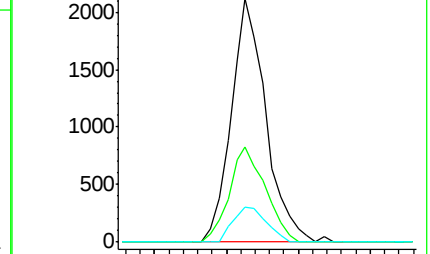
141 13.9 11.4 17.2

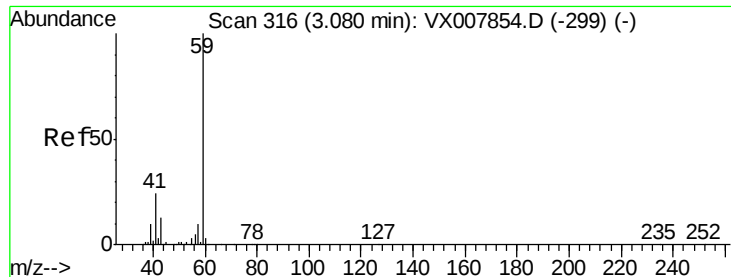


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

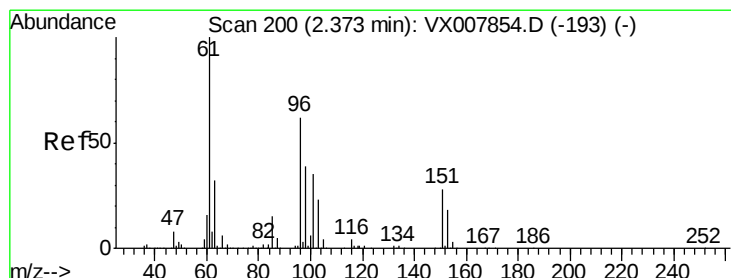
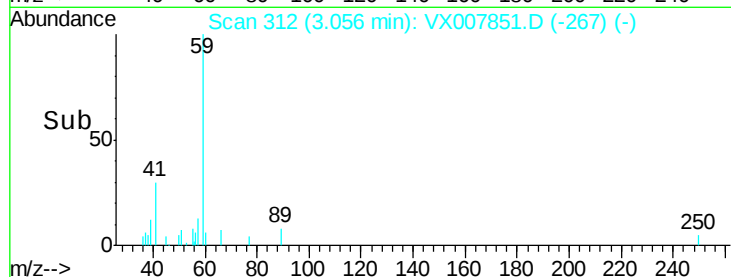
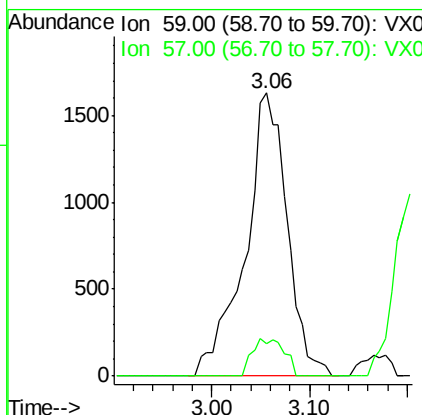
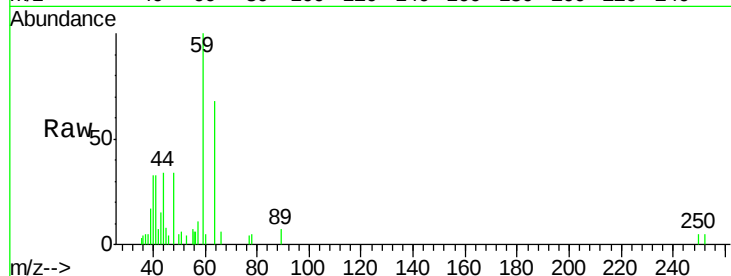




#11
Tert butyl alcohol
Concen: 4.425 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

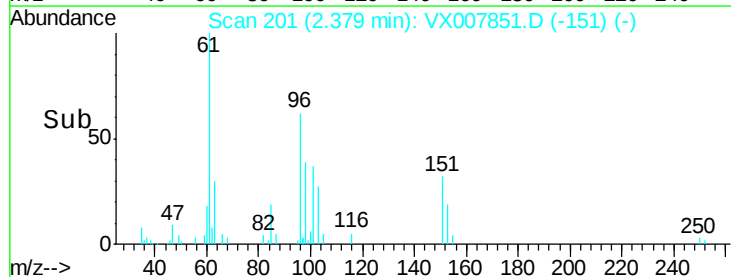
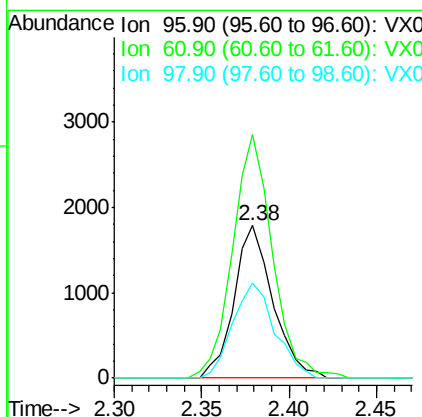
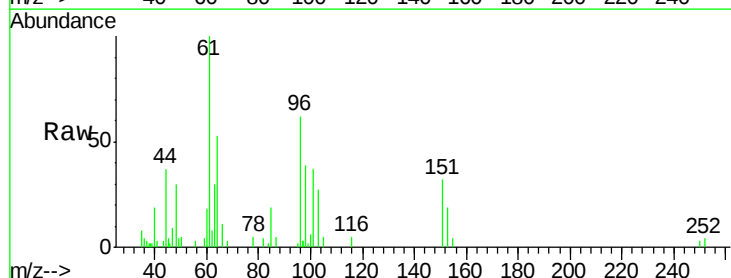
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

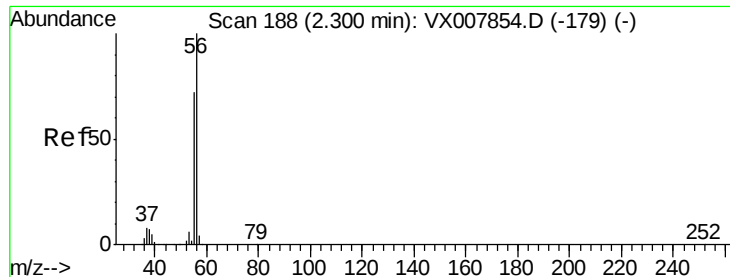
Tgt Ion: 59 Resp: 4851
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 0.699 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 96 Resp: 2764
Ion Ratio Lower Upper
96 100
61 160.0 129.8 194.6
98 62.8 51.0 76.6





#13

Acrolein

Concen: 5.858 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

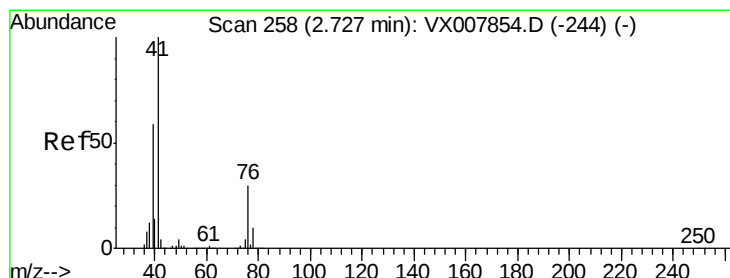
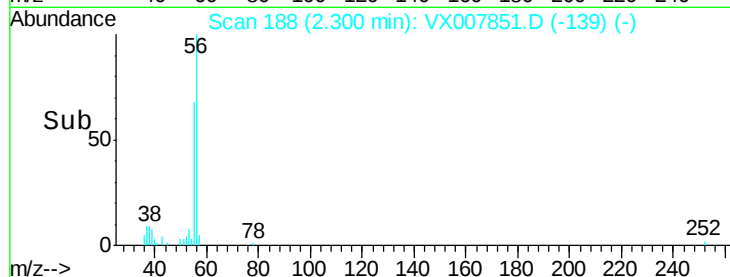
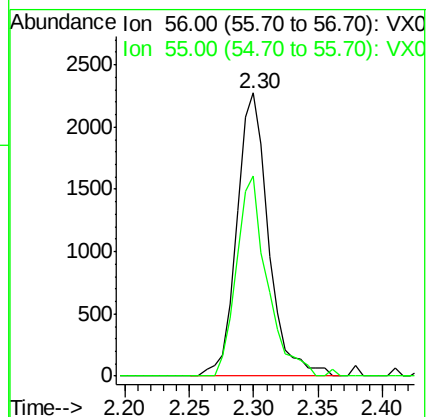
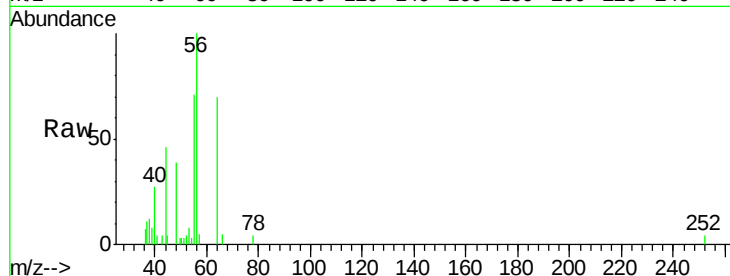
VSTDIC001

Tgt Ion: 56 Resp: 3878

Ion Ratio Lower Upper

56 100

55 68.7 57.8 86.6



#14

Allyl chloride

Concen: 0.679 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

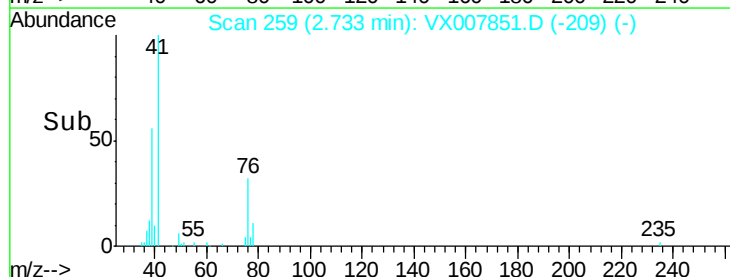
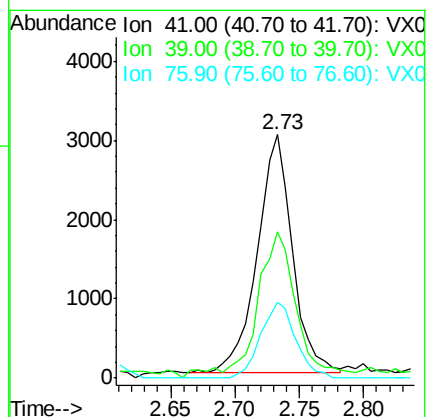
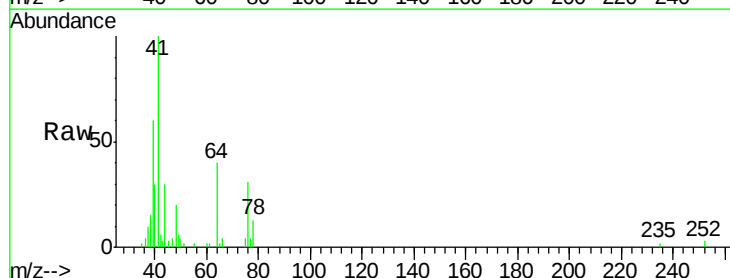
Tgt Ion: 41 Resp: 5644

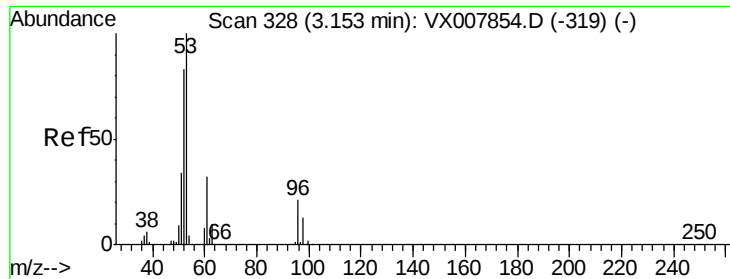
Ion Ratio Lower Upper

41 100

39 62.4 46.1 69.1

76 31.8 24.0 36.0





#15

Acrylonitrile

Concen: 3.462 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

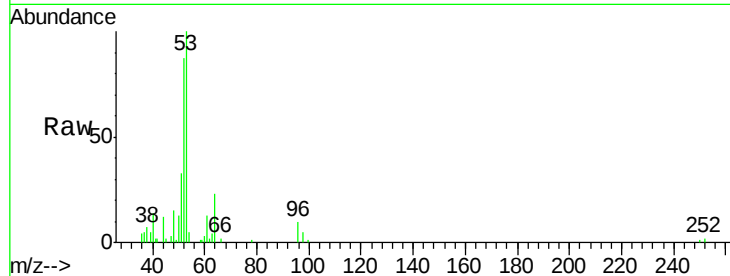
Tgt Ion: 53 Resp: 9580

Ion Ratio Lower Upper

53 100

52 83.6 66.0 99.0

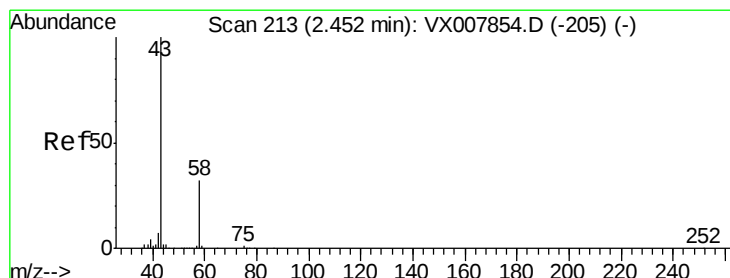
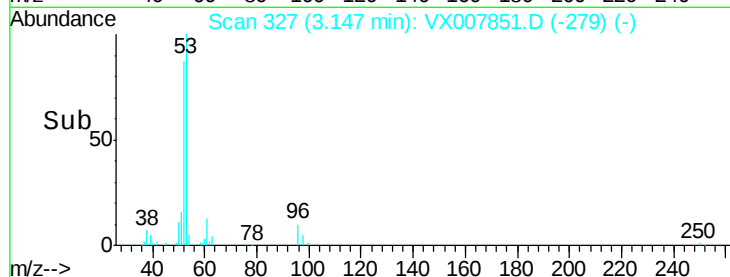
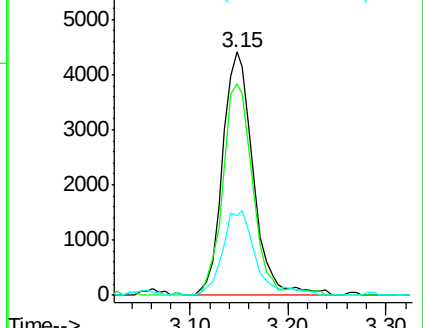
51 37.6 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.812 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007851.D

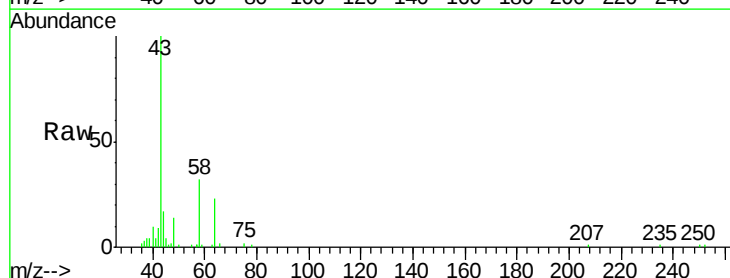
Acq: 06 Mar 2019 09:41

Tgt Ion: 43 Resp: 10817

Ion Ratio Lower Upper

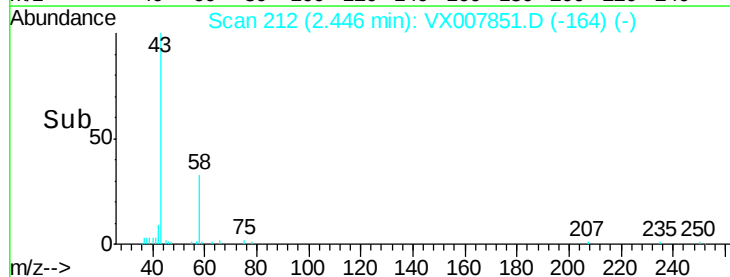
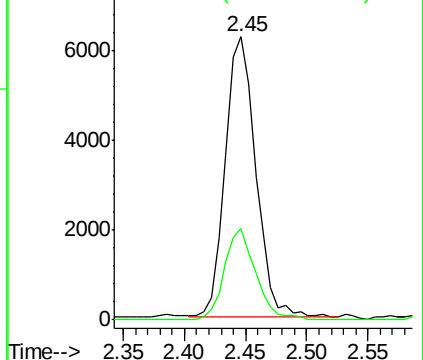
43 100

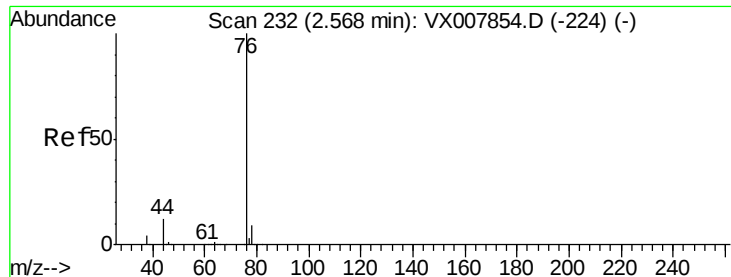
58 32.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.691 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

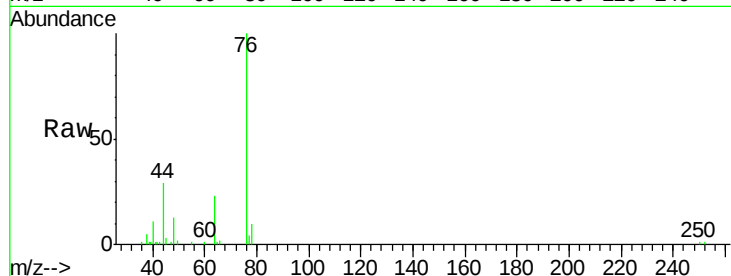
VSTDIC001

Tgt Ion: 76 Resp: 9175

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

6000

5000

4000

3000

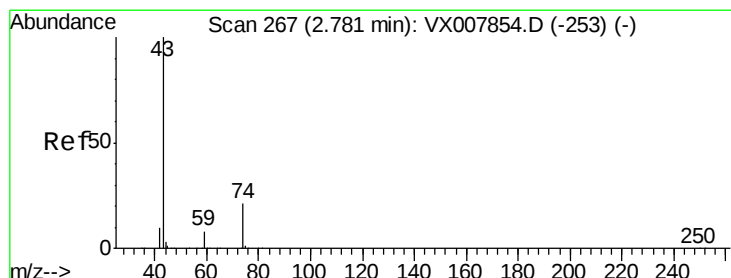
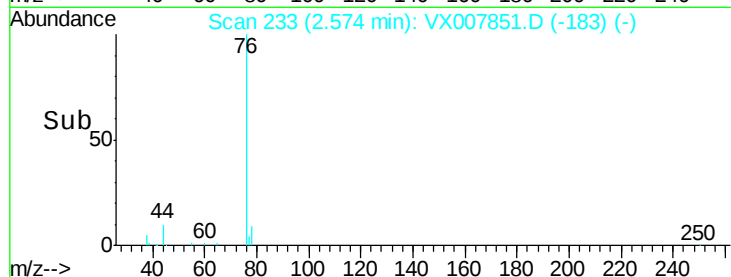
2000

1000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007851.D

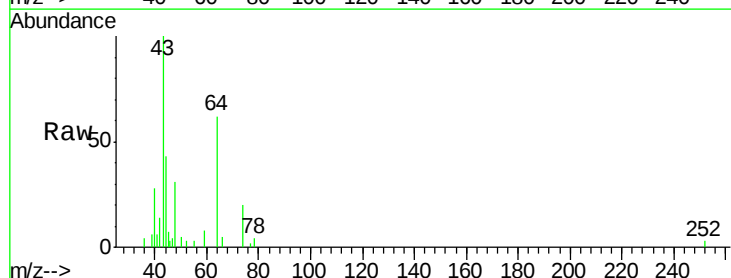
Acq: 06 Mar 2019 09:41

Tgt Ion: 43 Resp: 3954

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2500

2000

1500

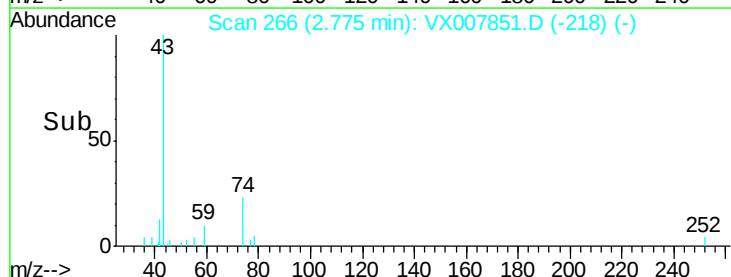
1000

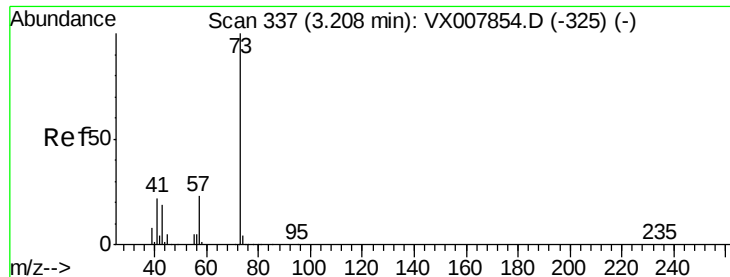
500

0

Time-->

2.70 2.75 2.80 2.85



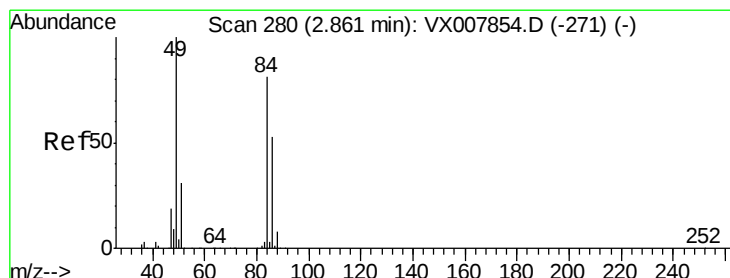
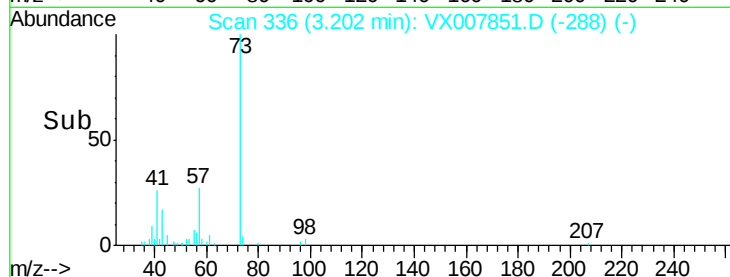
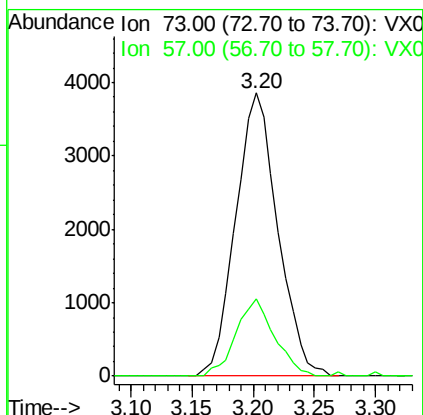
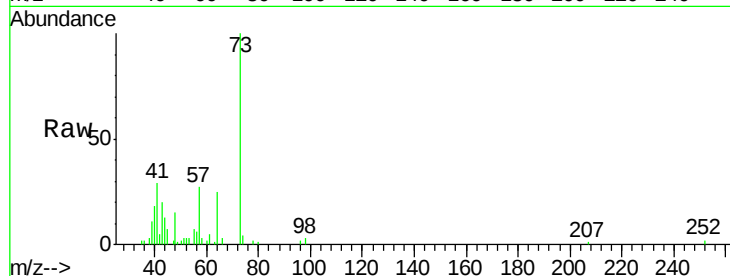


#19

Methyl tert-butyl Ether
 Concen: 0.678 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

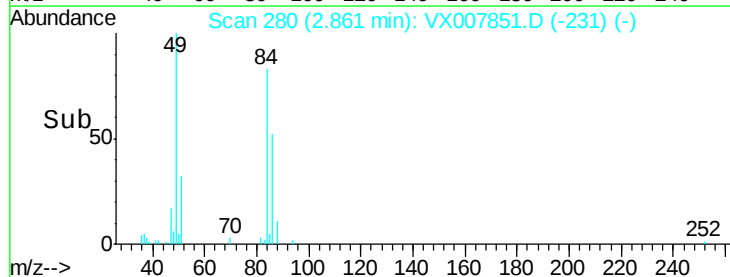
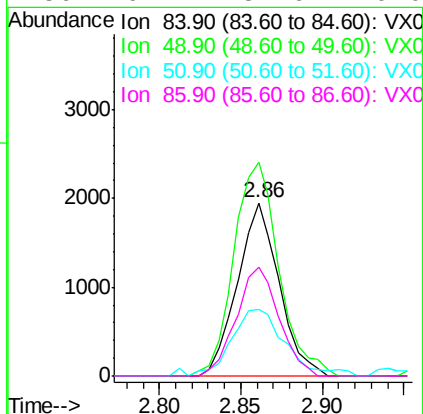
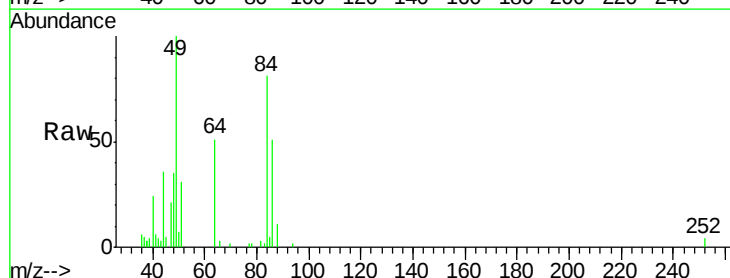
Tgt Ion: 73 Resp: 9223
 Ion Ratio Lower Upper
 73 100
 57 27.2 18.2 27.4

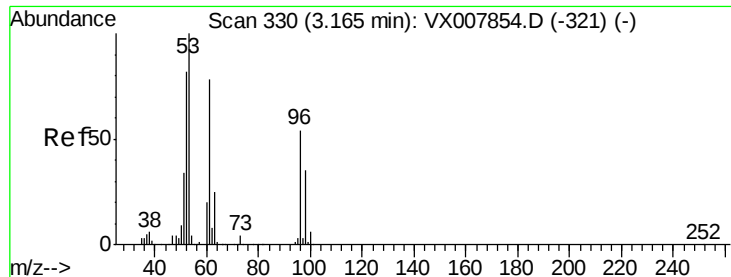


#20

Methylene Chloride
 Concen: 0.767 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 84 Resp: 3465
 Ion Ratio Lower Upper
 84 100
 49 123.6 99.3 148.9
 51 38.7 31.3 46.9
 86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 0.735 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

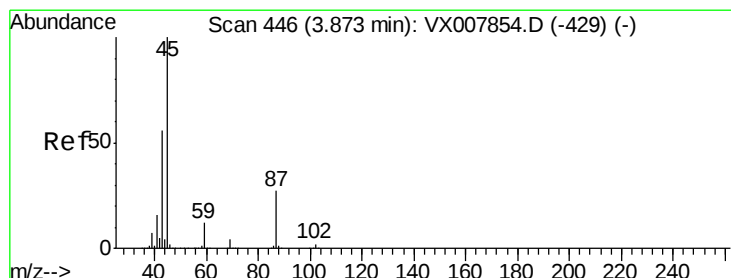
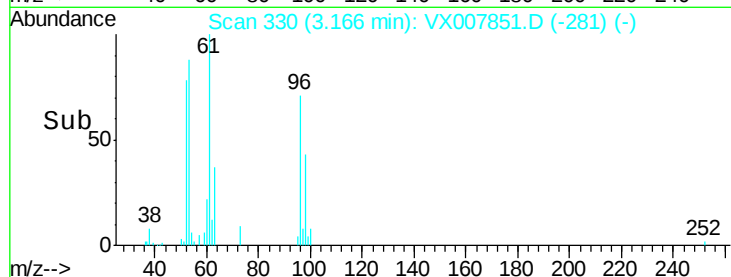
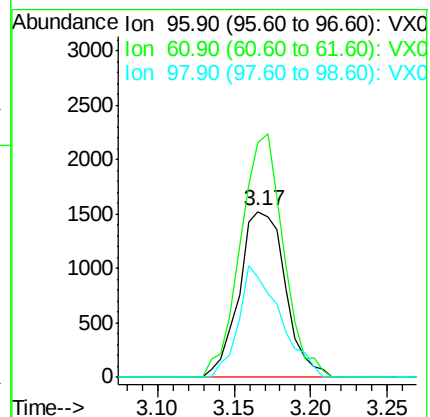
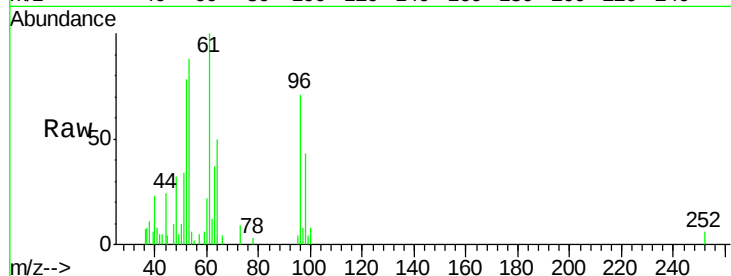
Tgt Ion: 96 Resp: 3199

Ion Ratio Lower Upper

96 100

61 141.8 114.4 171.6

98 60.9 51.1 76.7



#22

Diisopropyl ether

Concen: 0.741 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion: 45 Resp: 11280

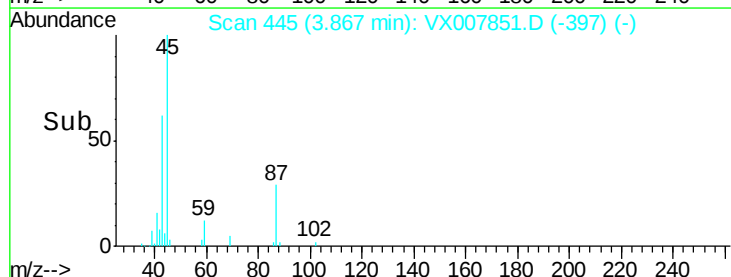
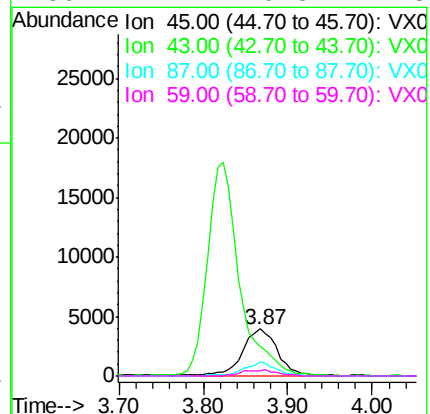
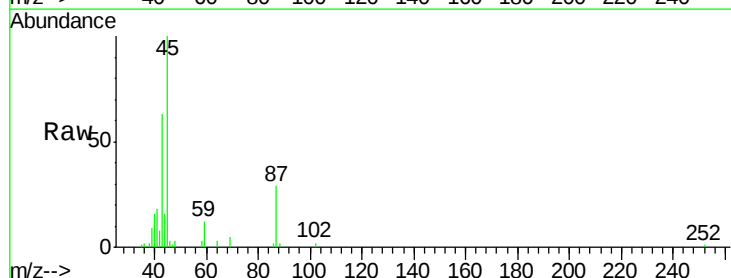
Ion Ratio Lower Upper

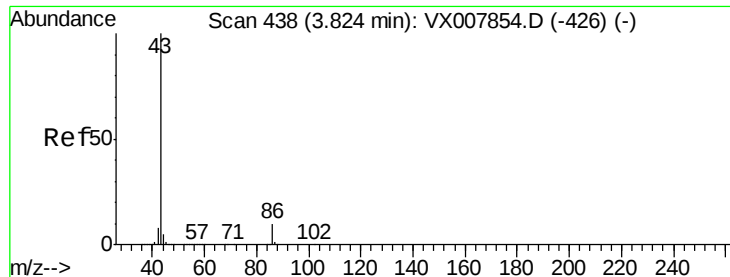
45 100

43 62.7 45.3 67.9

87 28.6 21.4 32.0

59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 3.578 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

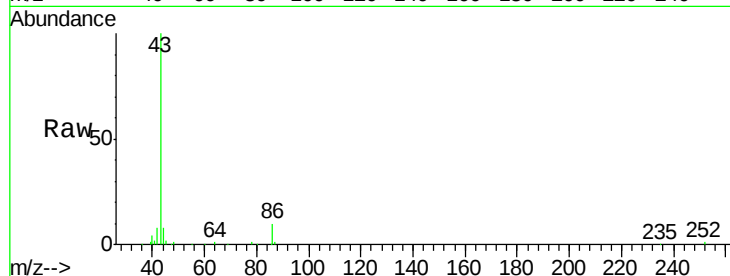
VSTDIC001

Tgt Ion: 43 Resp: 47779

Ion Ratio Lower Upper

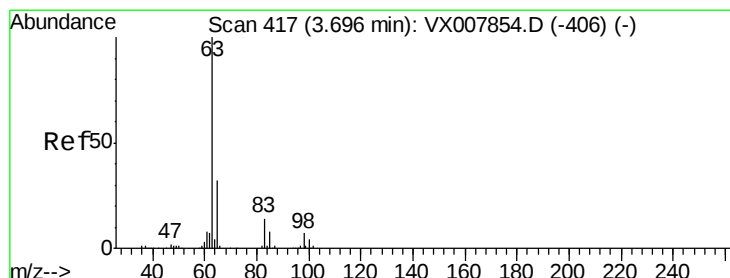
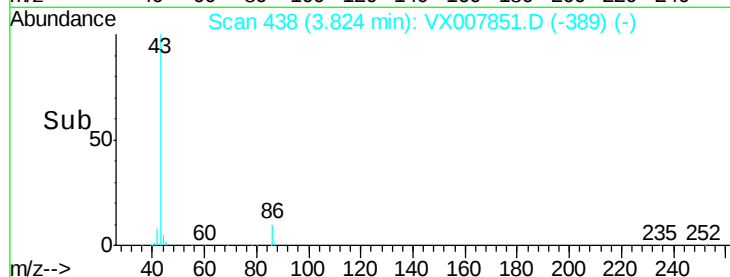
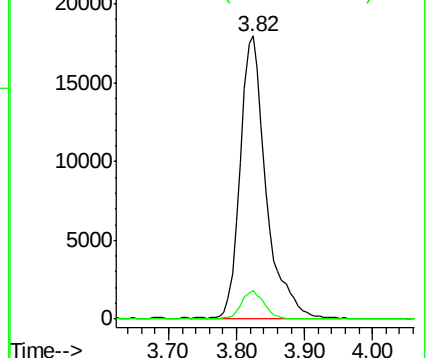
43 100

86 10.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.703 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

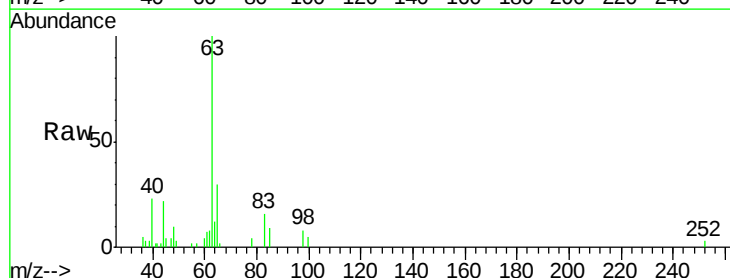
Tgt Ion: 63 Resp: 5763

Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.8

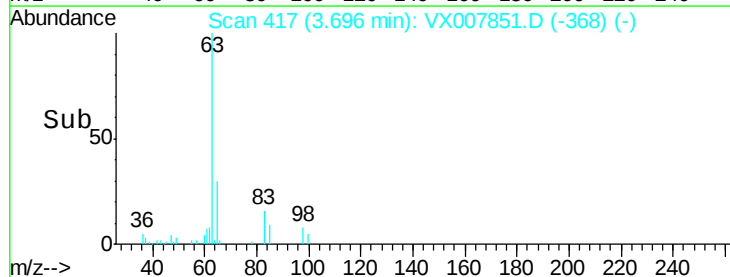
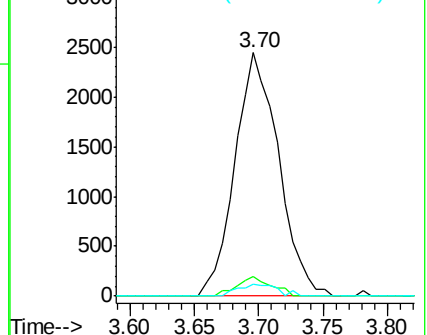
100 5.1 2.3 6.8

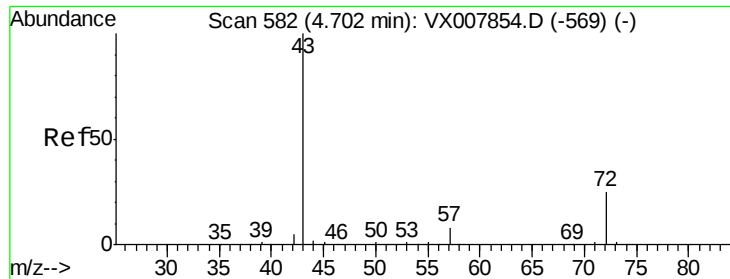


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 3.518 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

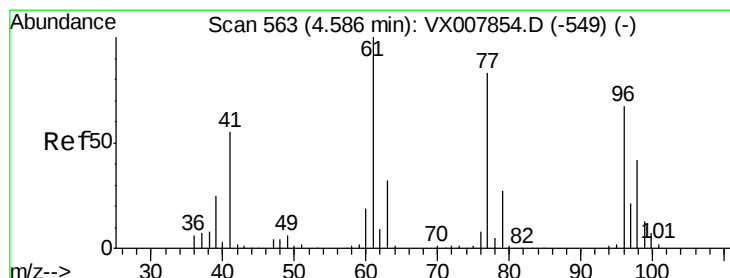
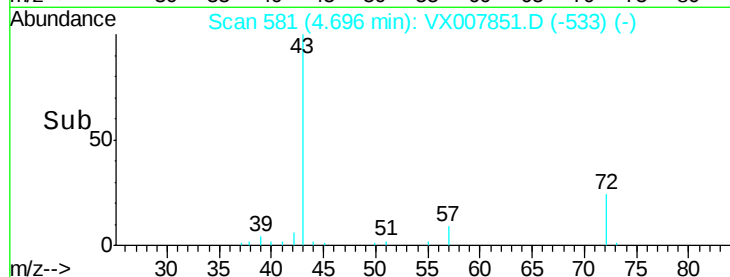
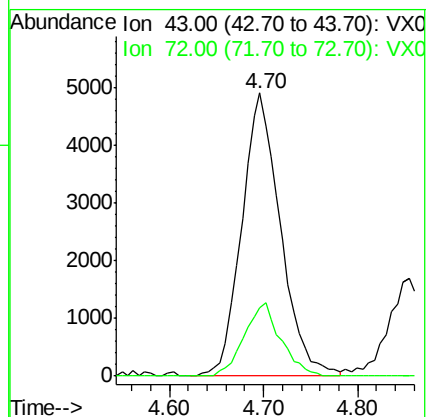
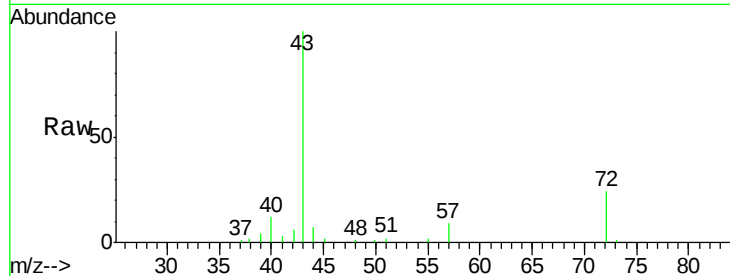
VSTDIC001

Tgt Ion: 43 Resp: 14131

Ion Ratio Lower Upper

43 100

72 24.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 0.720 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007851.D

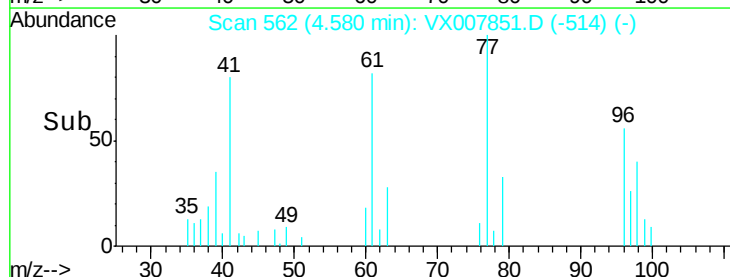
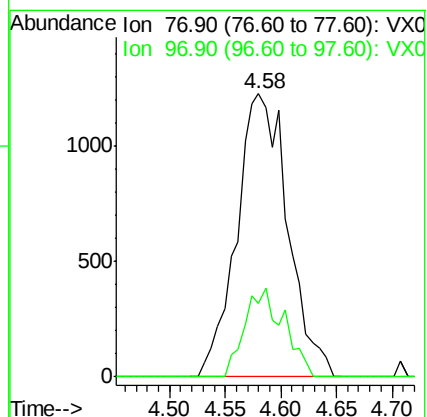
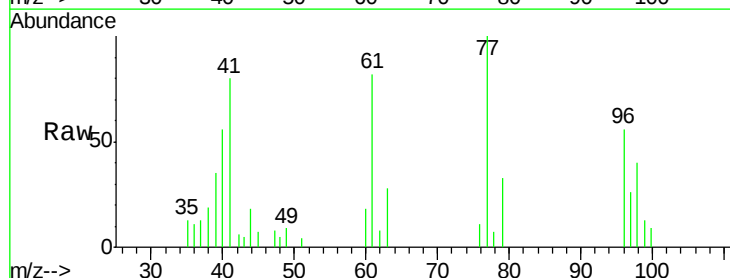
Acq: 06 Mar 2019 09:41

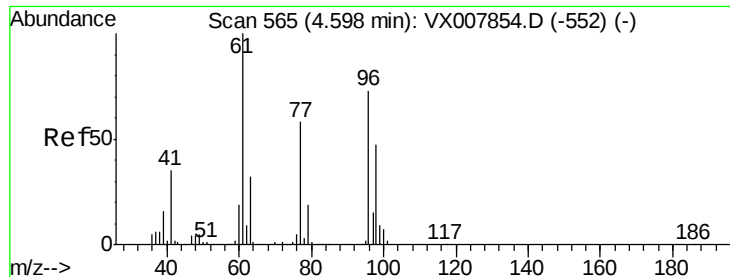
Tgt Ion: 77 Resp: 3909

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6



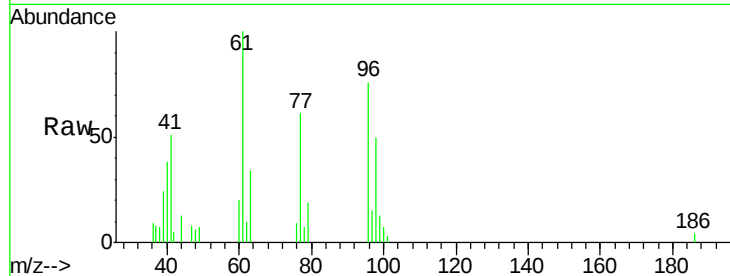


#27

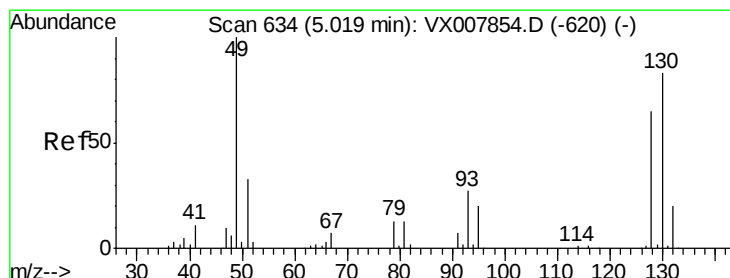
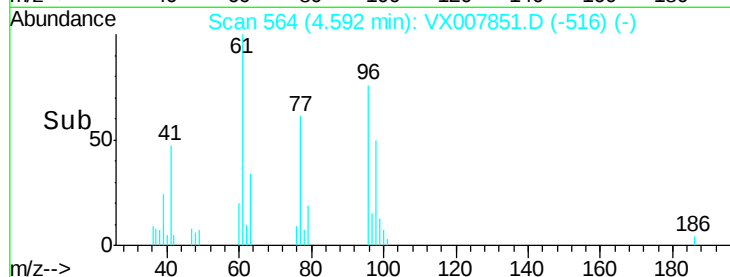
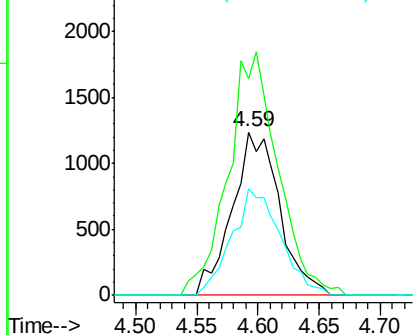
cis-1,2-Dichloroethene
Concen: 0.669 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 3331
Ion Ratio Lower Upper
96 100
61 157.2 0.0 288.0
98 67.1 0.0 129.0



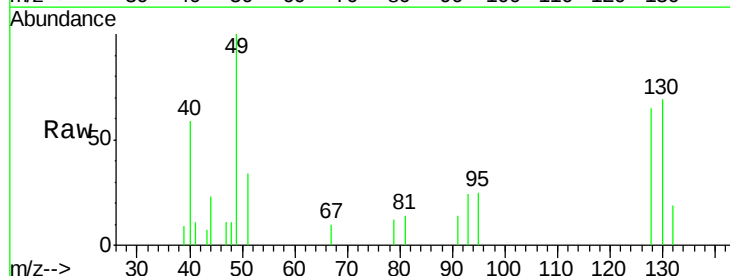
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



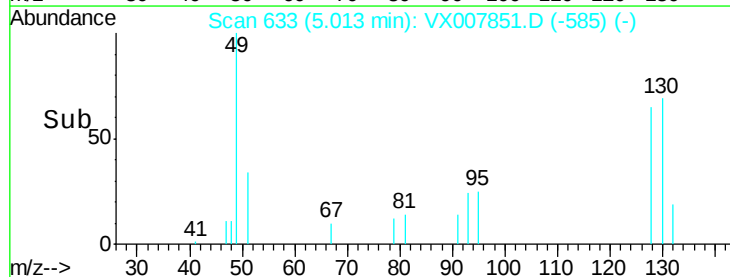
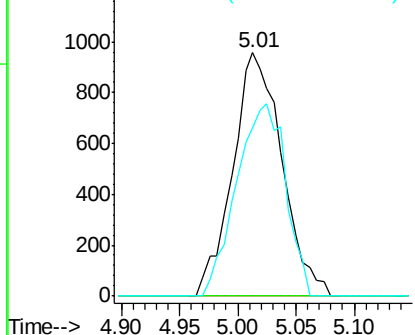
#28

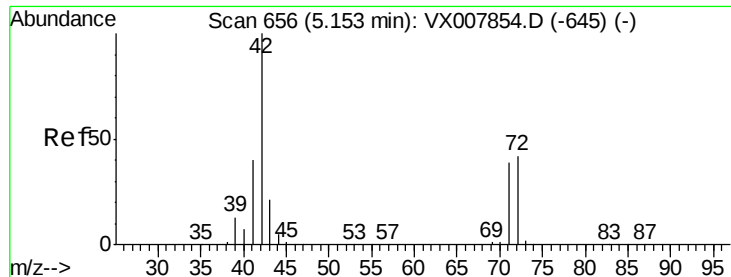
Bromochloromethane
Concen: 0.735 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 49 Resp: 2807
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 78.8 65.0 97.4



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

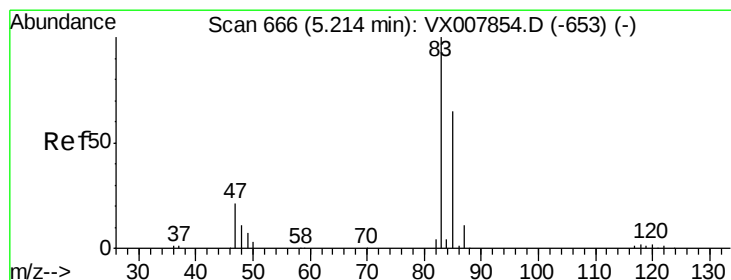
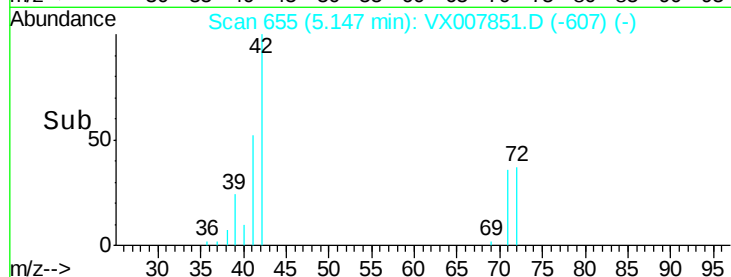
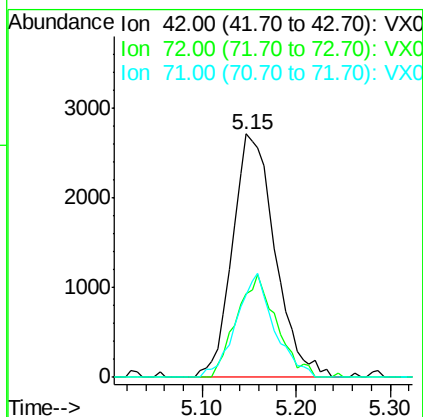
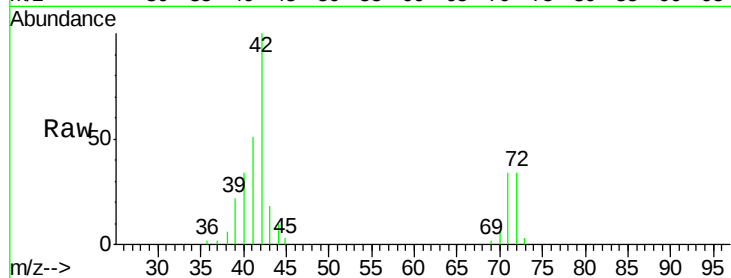




#29
Tetrahydrofuran
Concen: 3.421 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

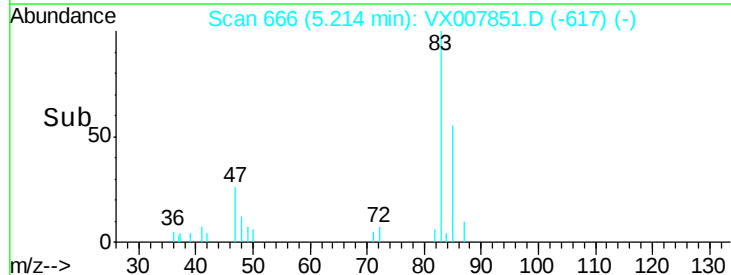
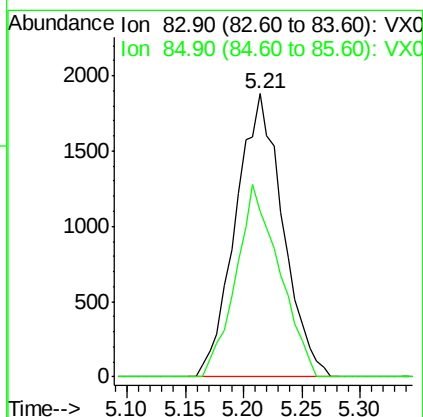
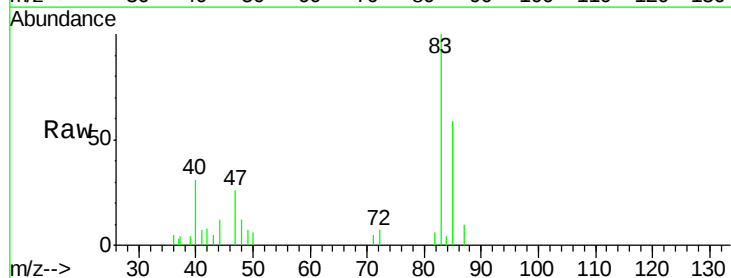
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

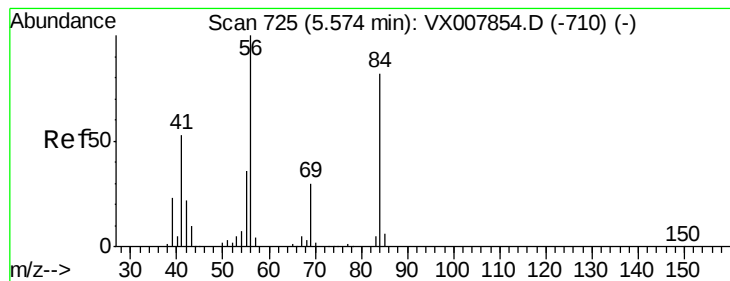
Tgt Ion: 42 Resp: 8572
Ion Ratio Lower Upper
42 100
72 39.6 33.8 50.6
71 38.0 31.5 47.3



#30
Chloroform
Concen: 0.685 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 83 Resp: 5308
Ion Ratio Lower Upper
83 100
85 58.6 51.8 77.6





#31

Cyclohexane

Concen: 0.654 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

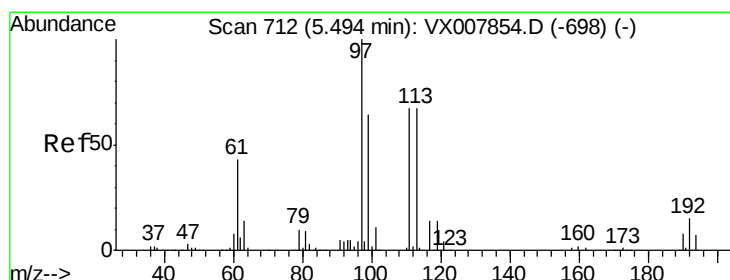
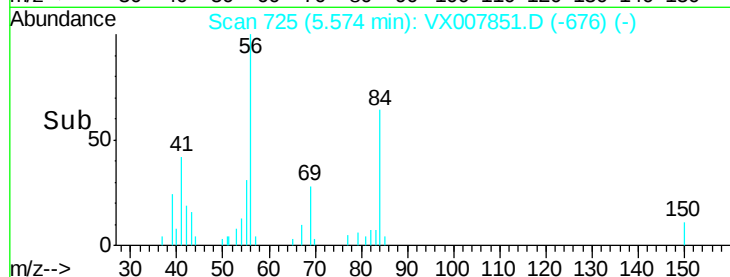
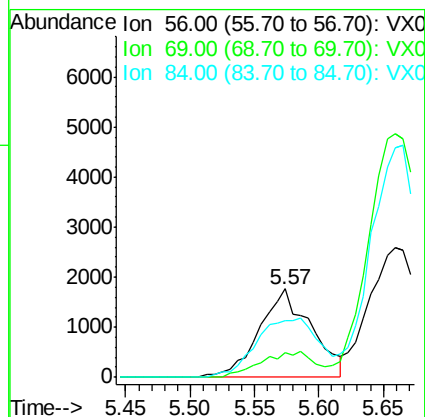
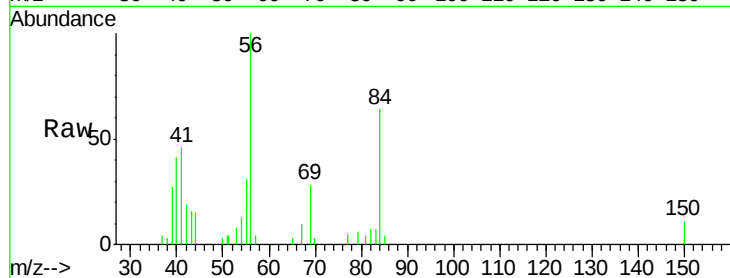
Tgt Ion: 56 Resp: 4929

Ion Ratio Lower Upper

56 100

69 28.0 24.0 36.0

84 64.5 65.3 97.9#



#32

1,1,1-Trichloroethane

Concen: 0.662 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

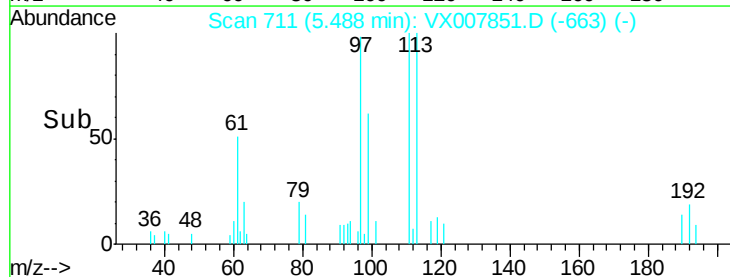
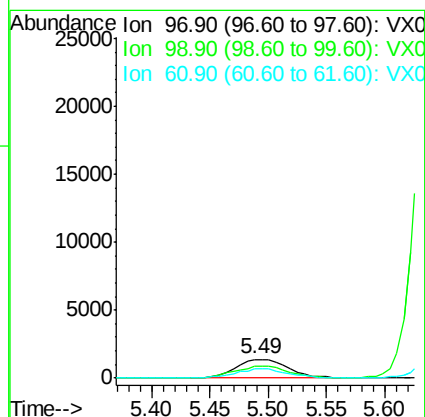
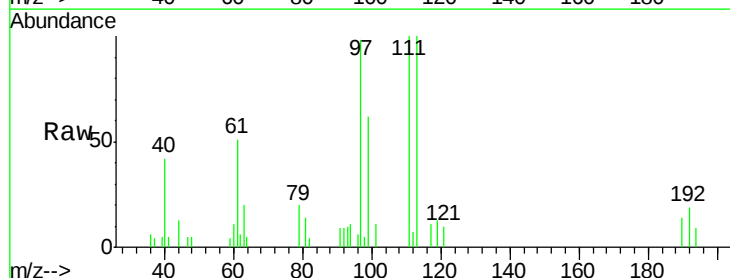
Tgt Ion: 97 Resp: 4256

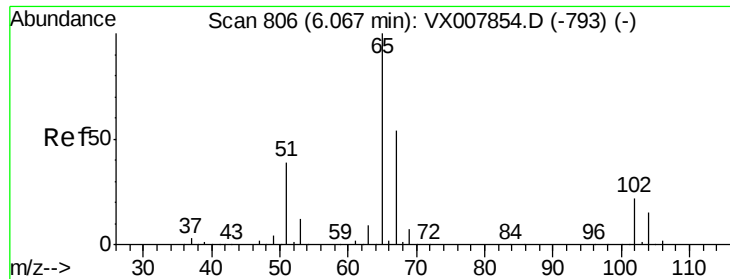
Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 46.9 34.9 52.3

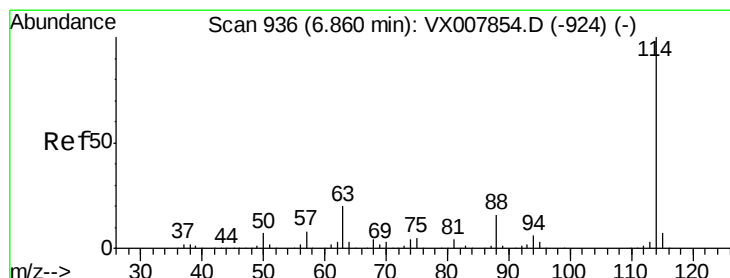
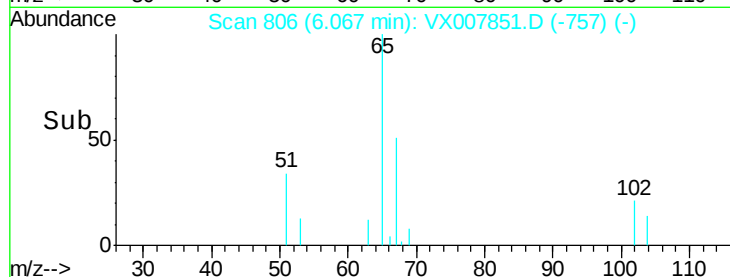
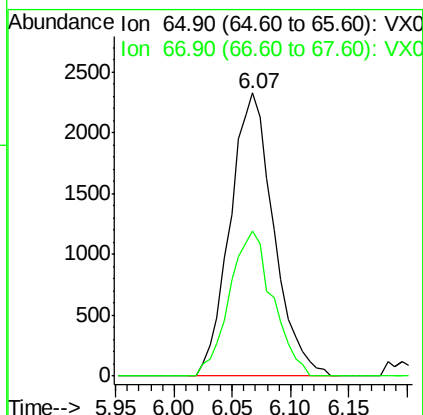
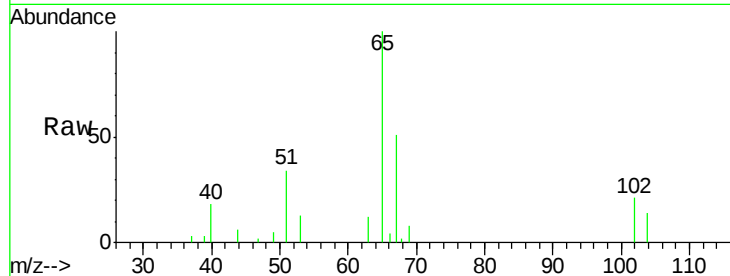




#33
 1,2-Dichloroethane-d4
 Concen: 1.234 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

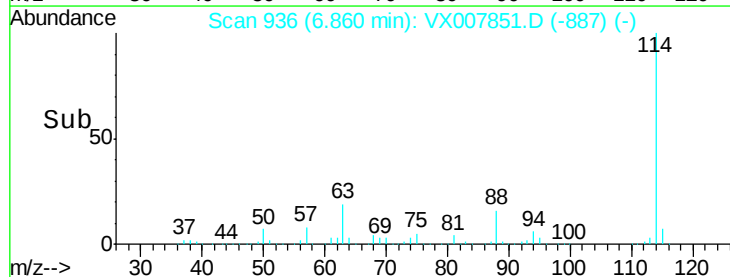
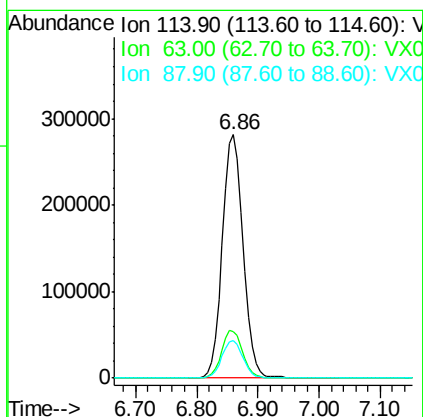
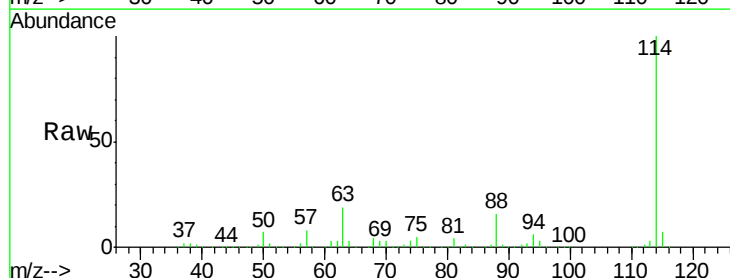
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

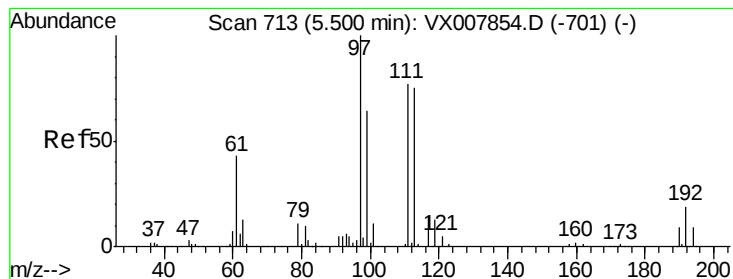
Tgt Ion: 65 Resp: 6050
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 114 Resp: 661644
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 1.137 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

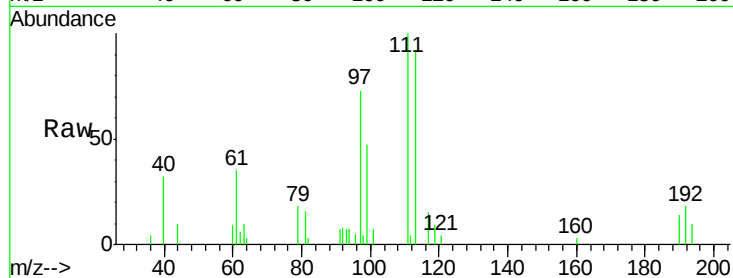
Tgt Ion:113 Resp: 4813

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

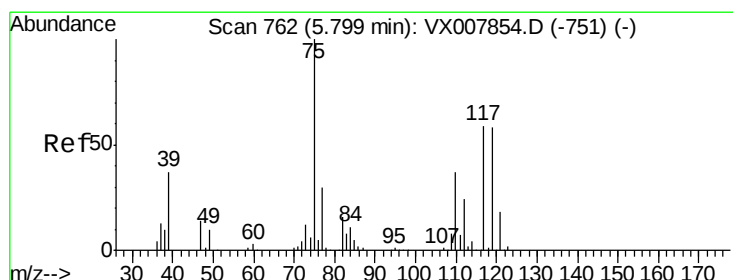
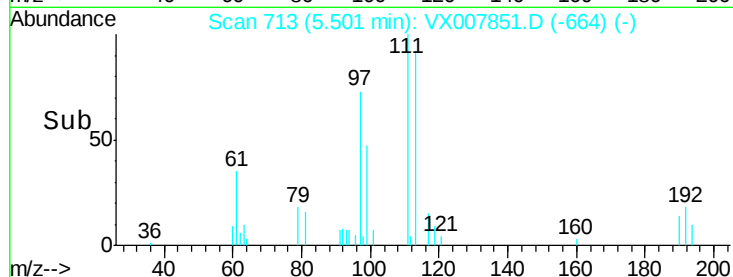
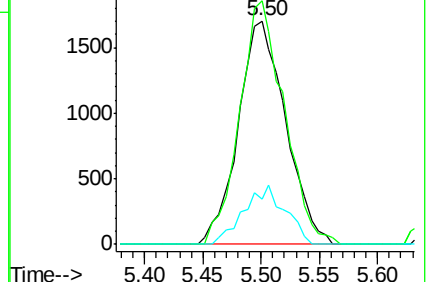
192 22.8 19.4 29.0



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: 0.733 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

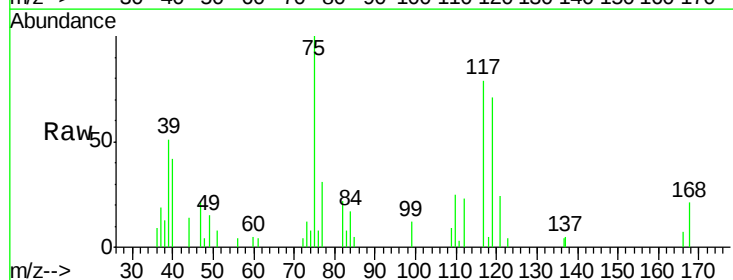
Tgt Ion: 75 Resp: 4391

Ion Ratio Lower Upper

75 100

110 33.6 18.4 55.0

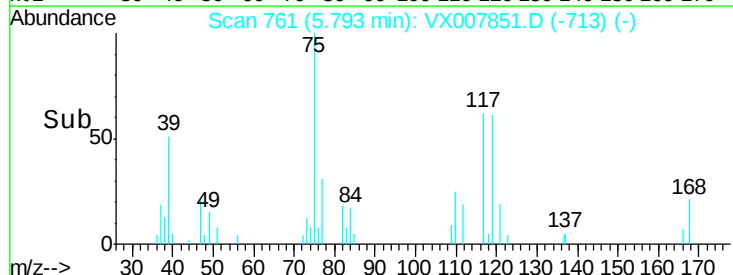
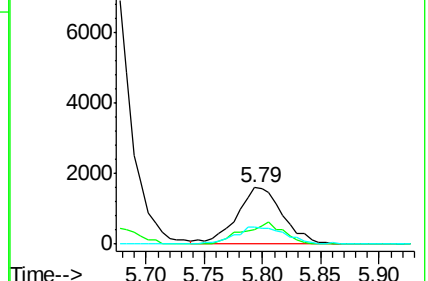
77 32.8 25.0 37.4

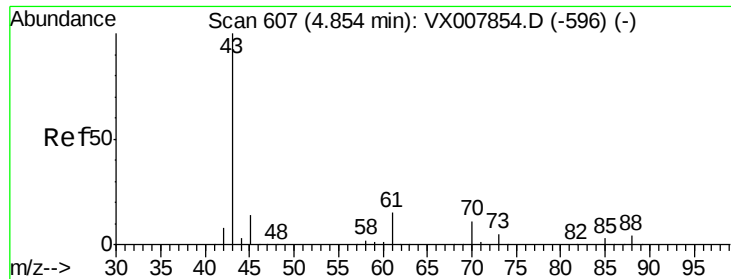


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

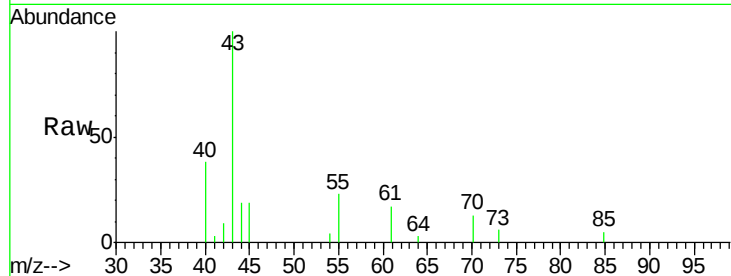




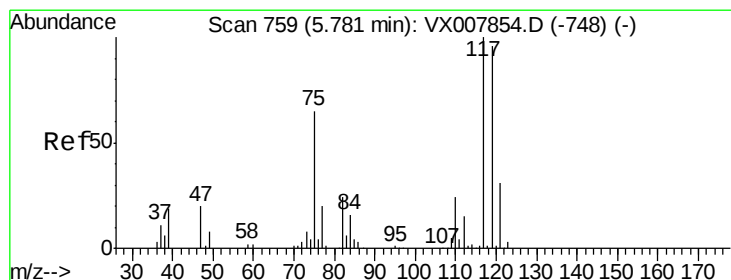
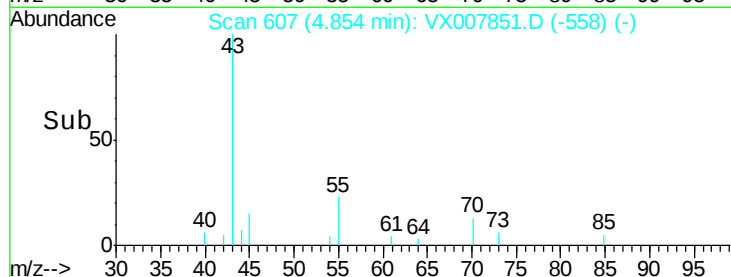
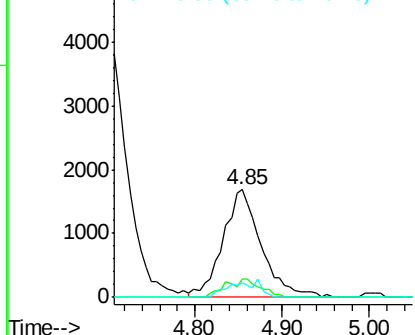
#37
Ethyl Acetate
Concen: 0.726 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 5161
Ion Ratio Lower Upper
43 100
61 15.8 11.3 16.9
70 12.3 8.5 12.7

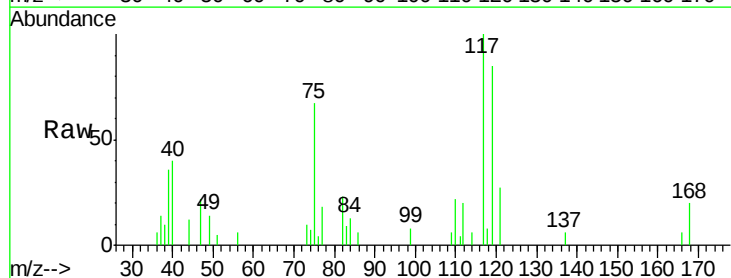


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

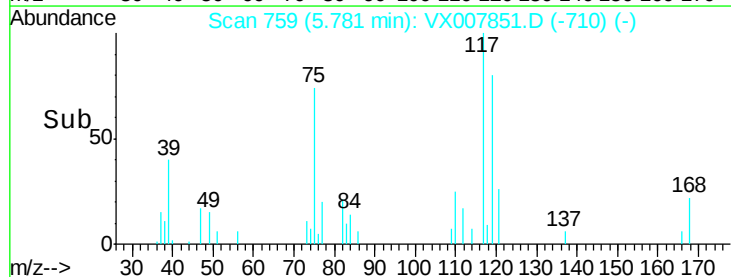
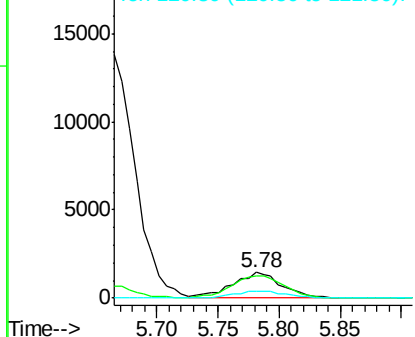


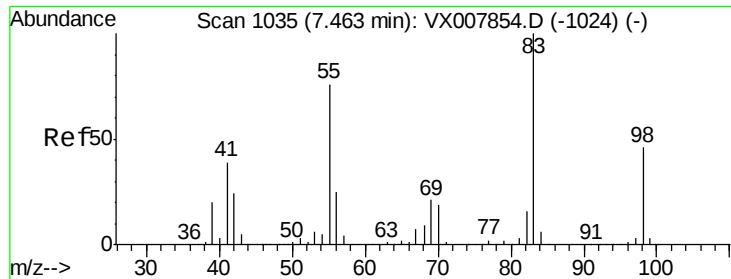
#38
Carbon Tetrachloride
Concen: 0.730 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 117 Resp: 4150
Ion Ratio Lower Upper
117 100
119 85.5 76.2 114.2
121 27.1 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

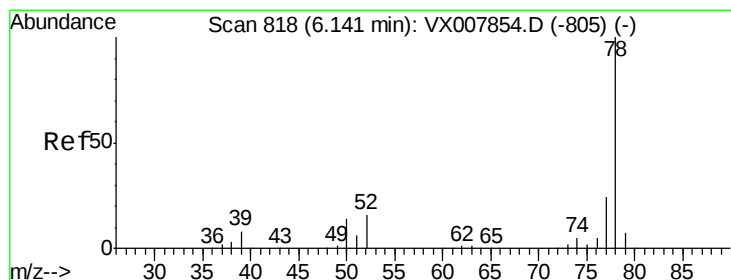
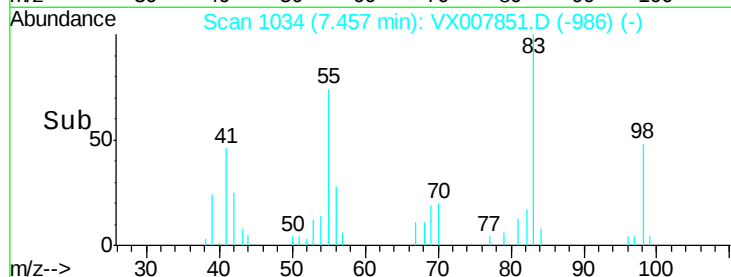
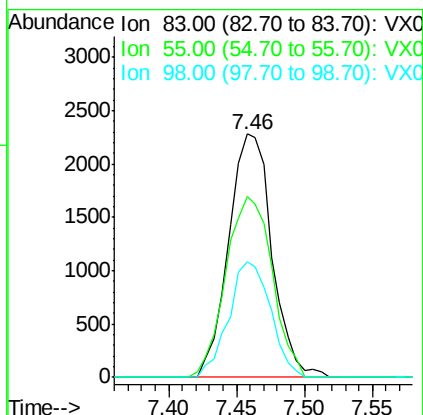
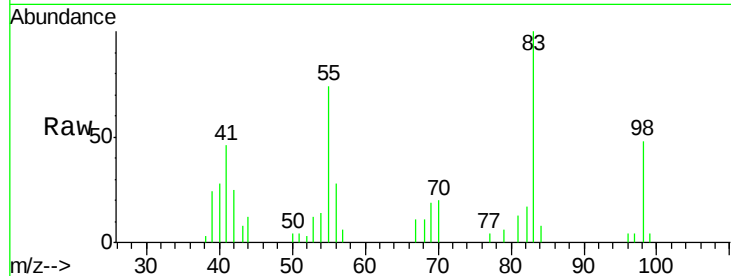




#39
Methylcyclohexane
Concen: 0.697 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

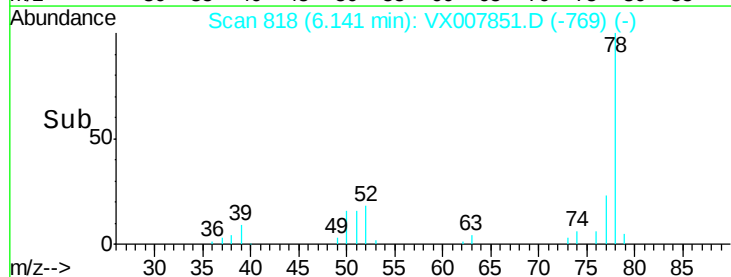
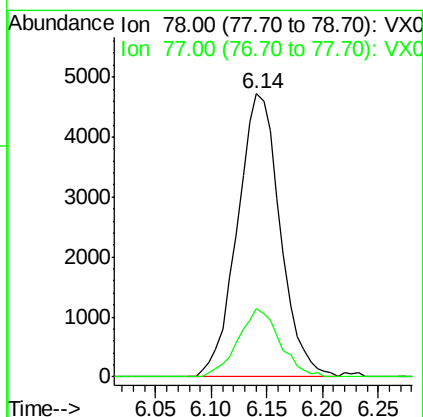
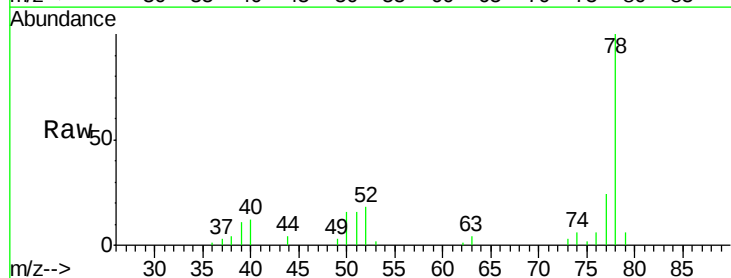
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

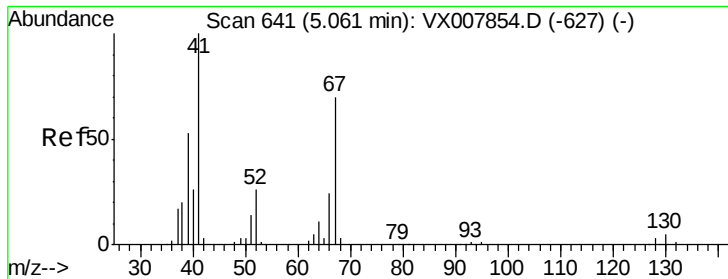
Tgt Ion: 83 Resp: 5062
Ion Ratio Lower Upper
83 100
55 74.5 60.4 90.6
98 47.5 36.5 54.7



#40
Benzene
Concen: 0.709 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 78 Resp: 12637
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4





#41

Methacrylonitrile

Concen: 0.693 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 2686

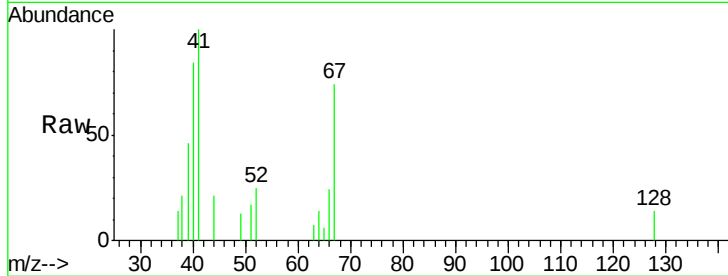
Ion Ratio Lower Upper

41 100

39 57.6 41.6 62.4

67 69.4 55.8 83.6

52 27.7 21.7 32.5

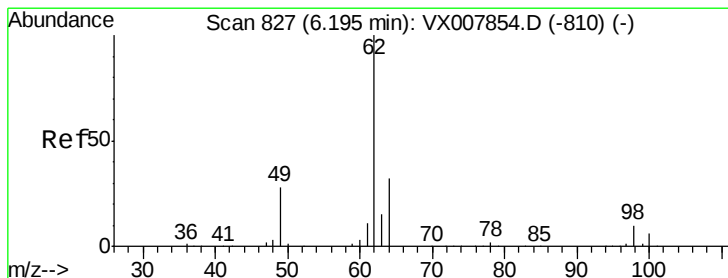
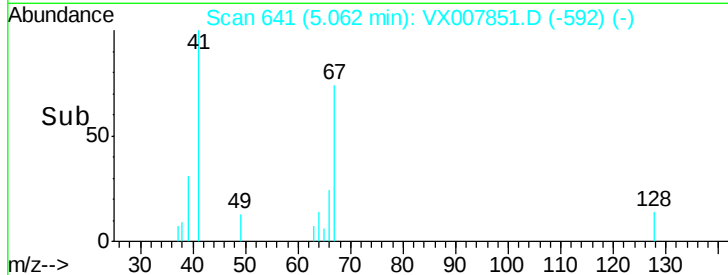
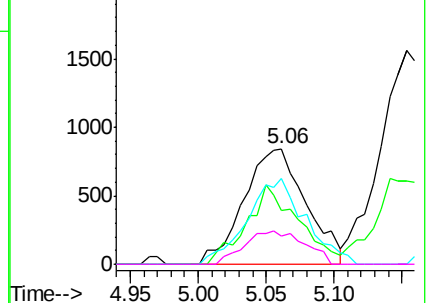


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.707 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX007851.D

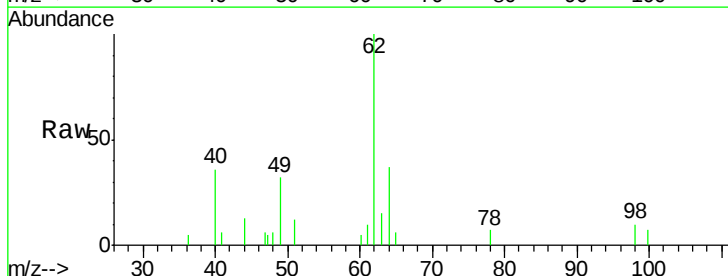
Acq: 06 Mar 2019 09:41

Tgt Ion: 62 Resp: 4122

Ion Ratio Lower Upper

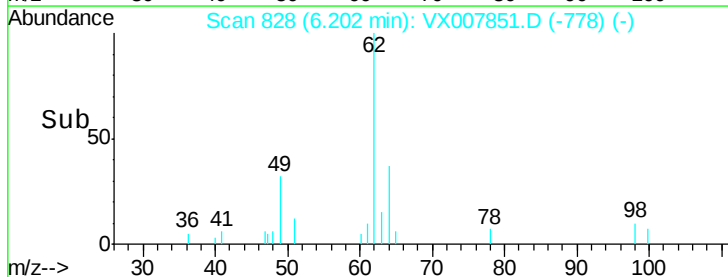
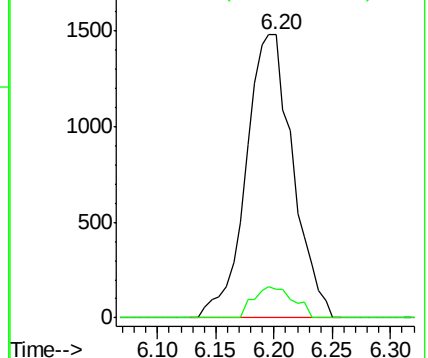
62 100

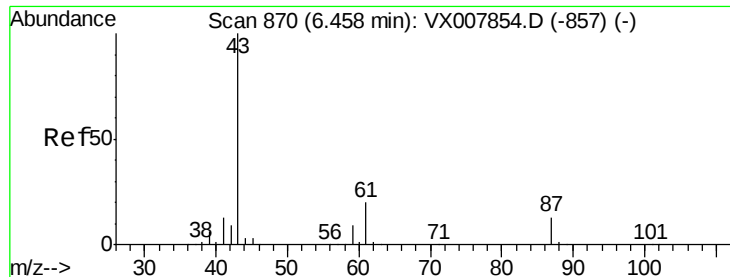
98 9.3 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.685 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

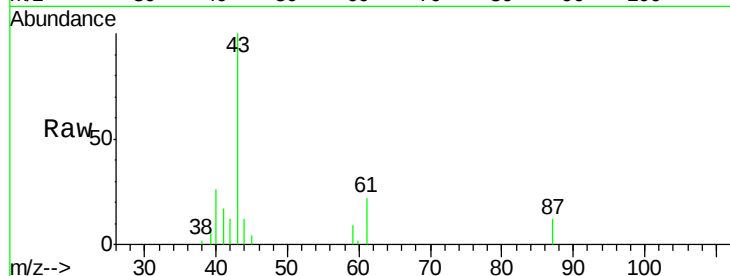
Tgt Ion: 43 Resp: 7212

Ion Ratio Lower Upper

43 100

61 19.6 16.3 24.5

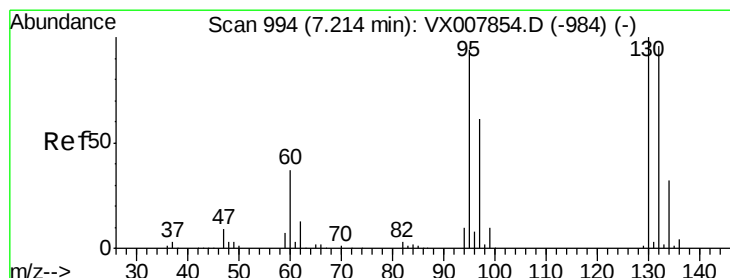
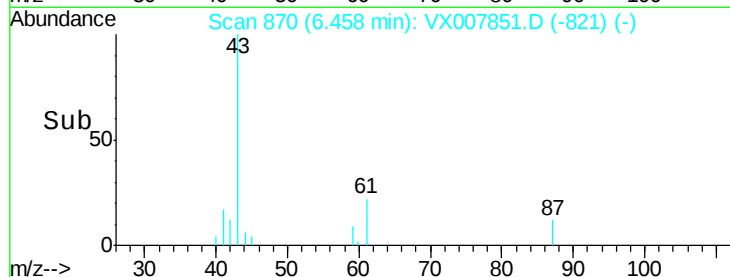
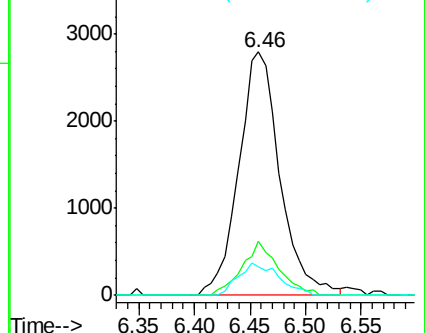
87 12.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.722 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007851.D

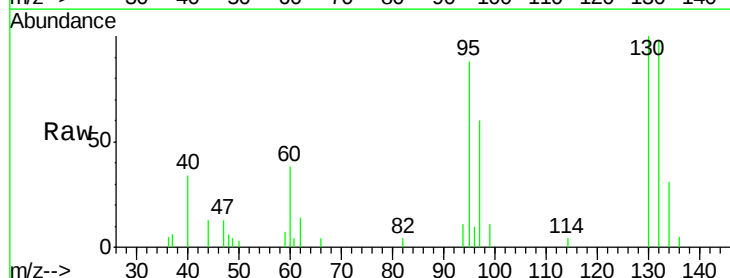
Acq: 06 Mar 2019 09:41

Tgt Ion: 130 Resp: 3549

Ion Ratio Lower Upper

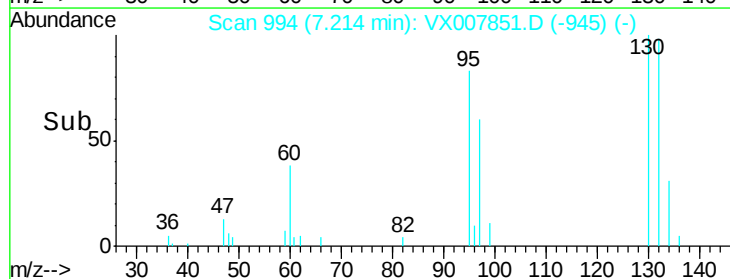
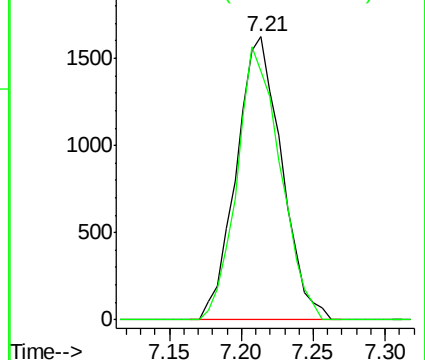
130 100

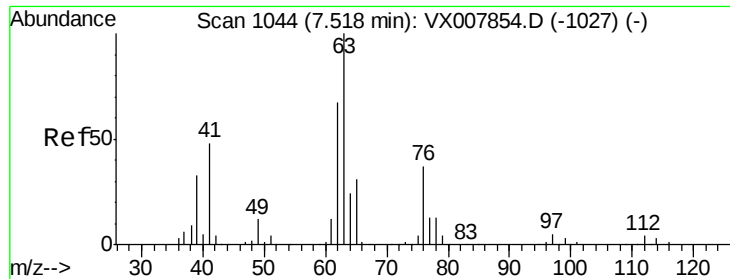
95 87.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

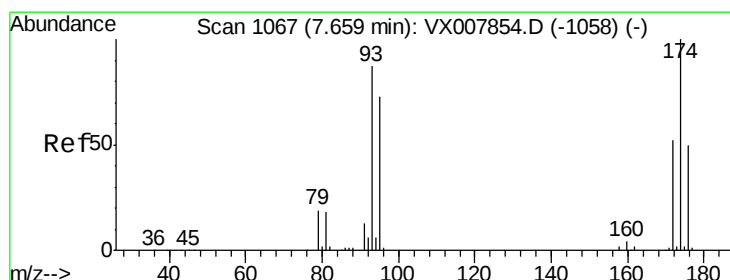
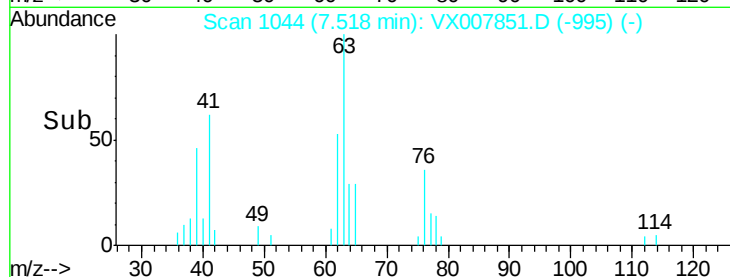
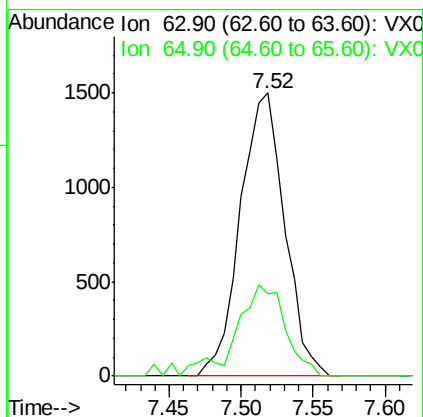
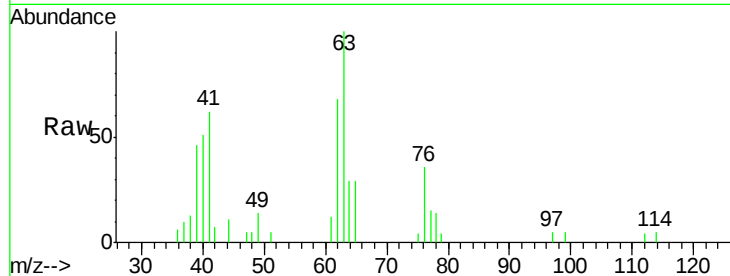




#45
 1,2-Dichloropropane
 Concen: 0.680 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

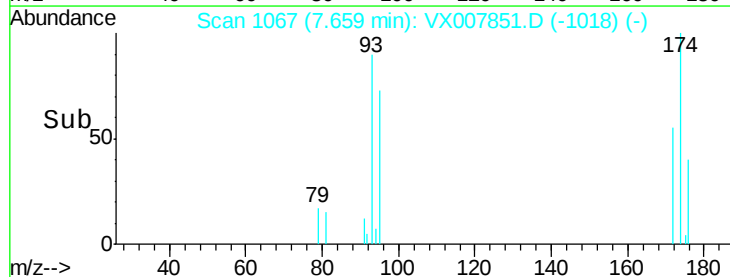
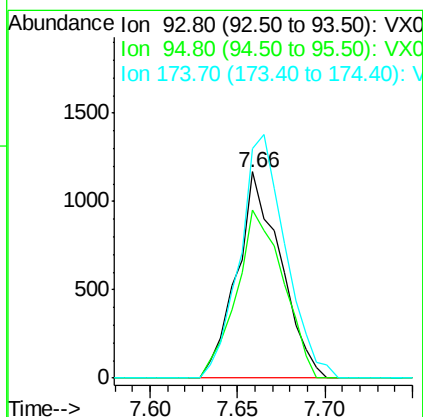
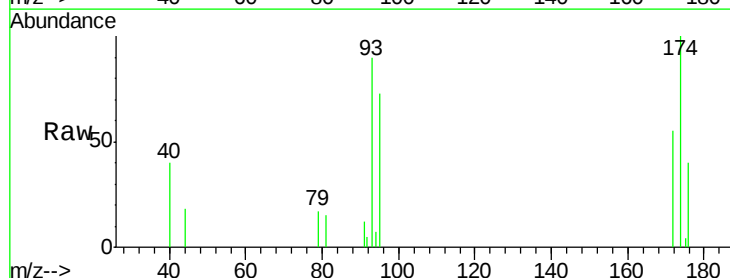
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

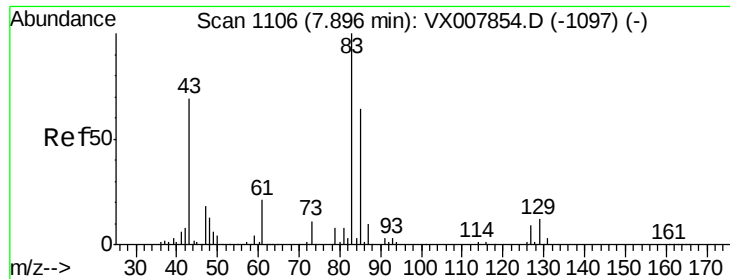
Tgt Ion: 63 Resp: 3201
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.7 37.1



#46
 Dibromomethane
 Concen: 0.681 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 93 Resp: 2029
 Ion Ratio Lower Upper
 93 100
 95 86.9 66.8 100.2
 174 123.5 97.3 145.9





#47

Bromodichloromethane

Concen: 0.668 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

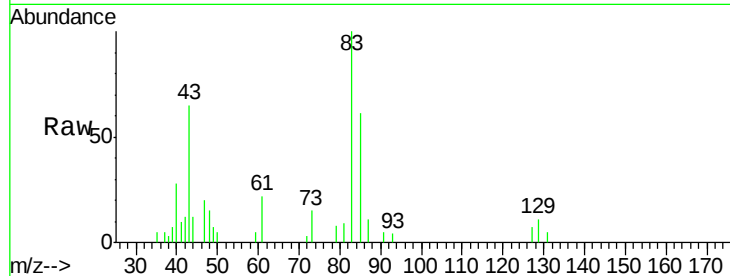
Tgt Ion: 83 Resp: 3778

Ion Ratio Lower Upper

83 100

85 60.9 50.9 76.3

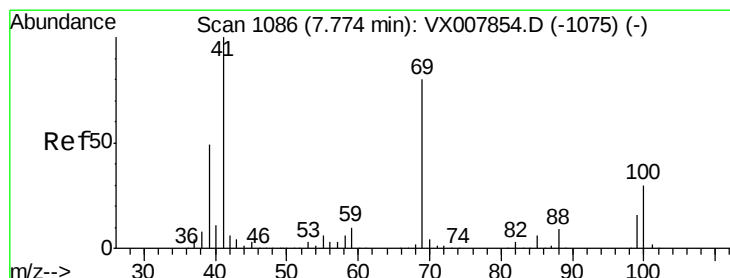
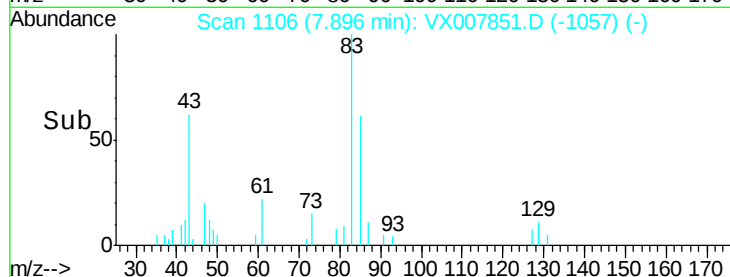
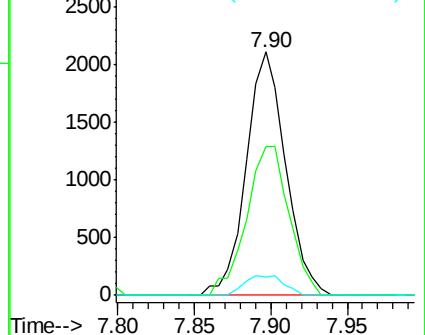
127 7.3 7.4 11.0#



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: 0.666 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

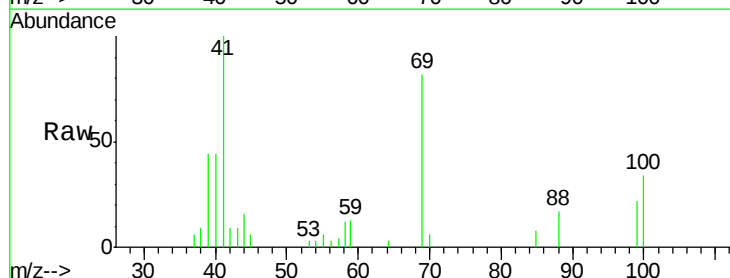
Tgt Ion: 41 Resp: 3683

Ion Ratio Lower Upper

41 100

69 78.0 65.2 97.8

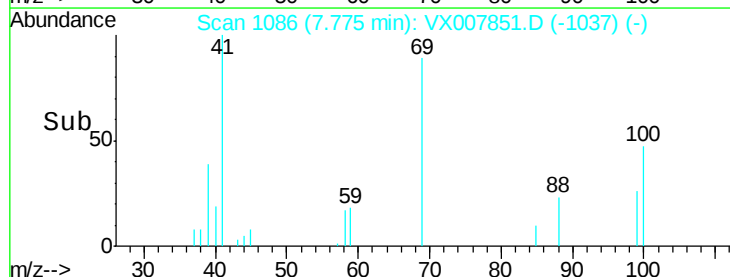
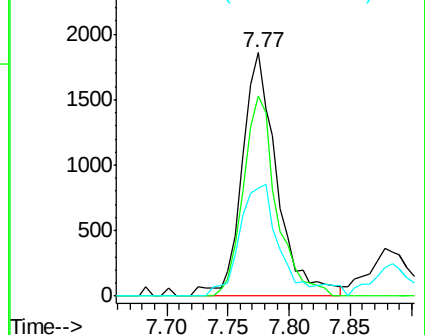
39 50.8 39.4 59.2

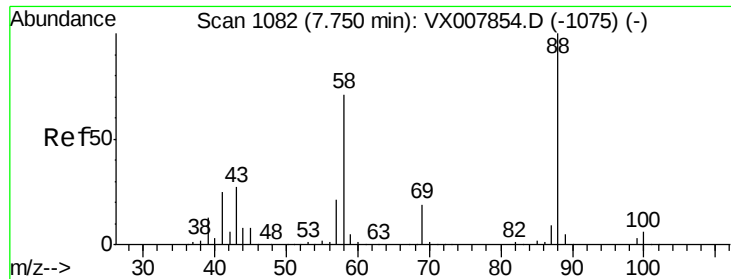


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

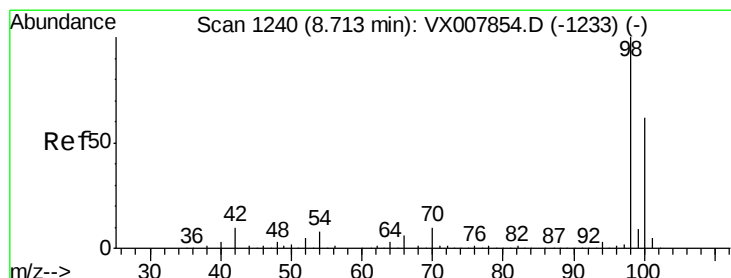
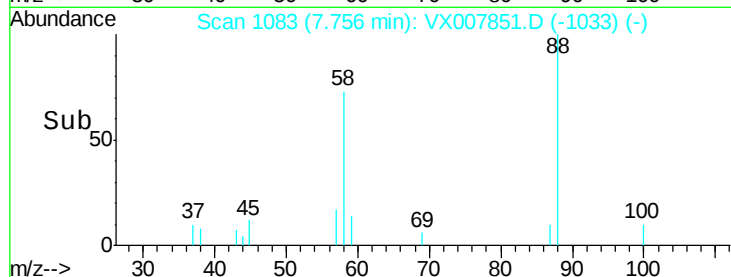
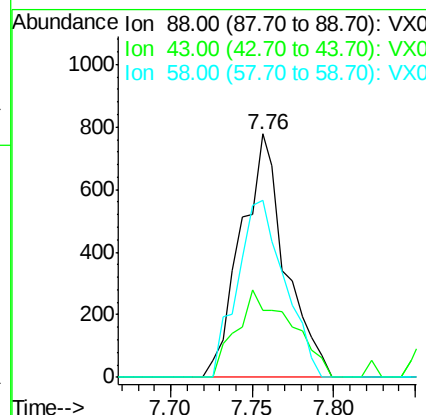
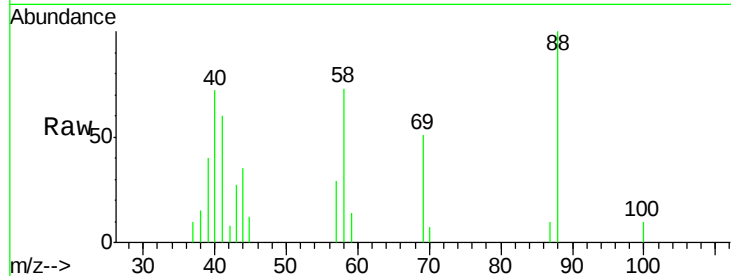




#49
 1,4-Dioxane
 Concen: 13.033 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

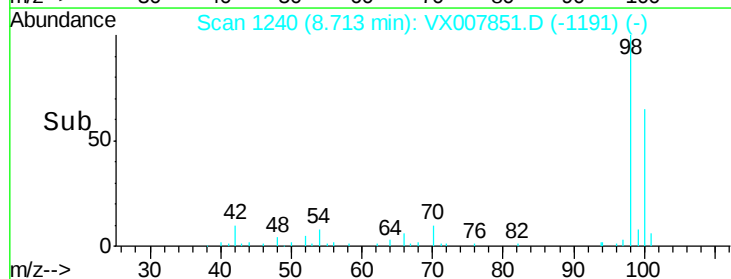
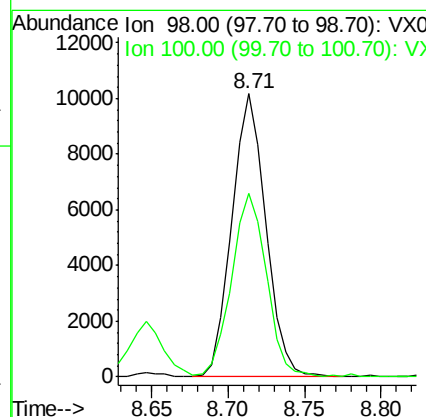
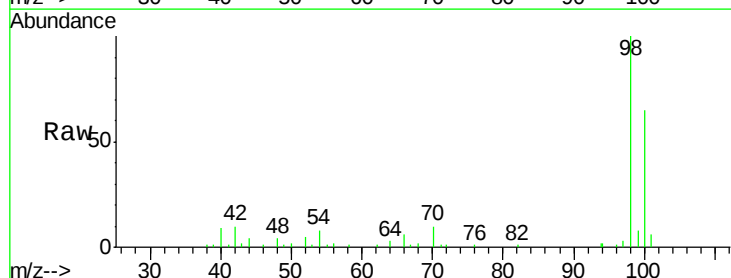
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

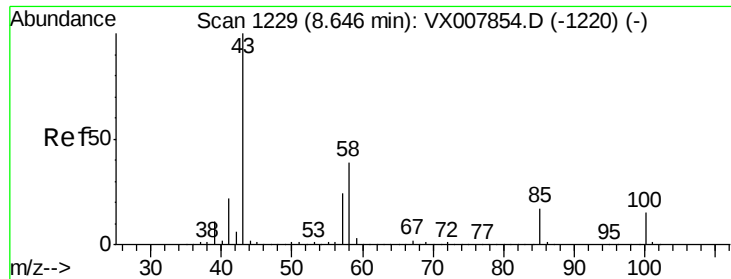
Tgt Ion: 88 Resp: 1481
 Ion Ratio Lower Upper
 88 100
 43 44.1 25.1 37.7#
 58 77.3 57.8 86.6



#50
 Toluene-d8
 Concen: 1.010 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 98 Resp: 15693
 Ion Ratio Lower Upper
 98 100
 100 66.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 3.234 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

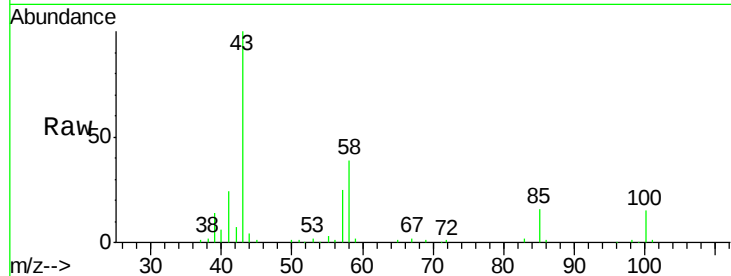
VSTDIC001

Tgt Ion: 43 Resp: 21880

Ion Ratio Lower Upper

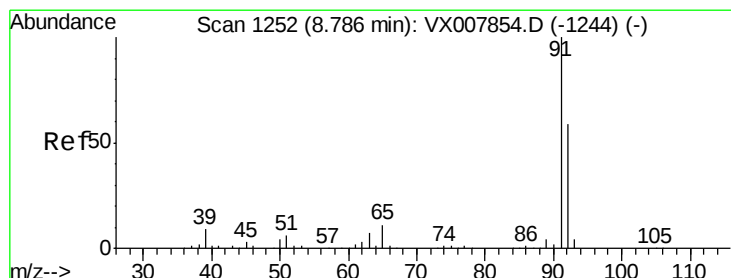
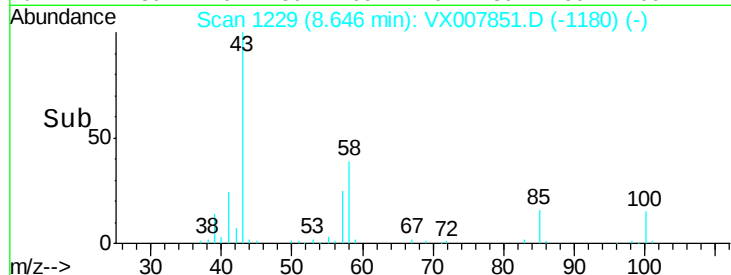
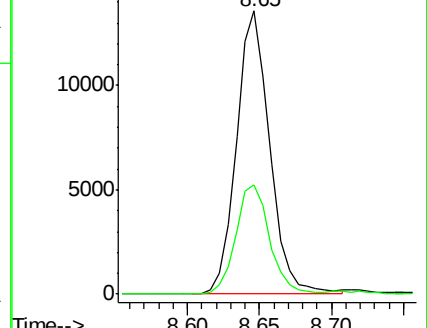
43 100

58 39.5 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.684 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007851.D

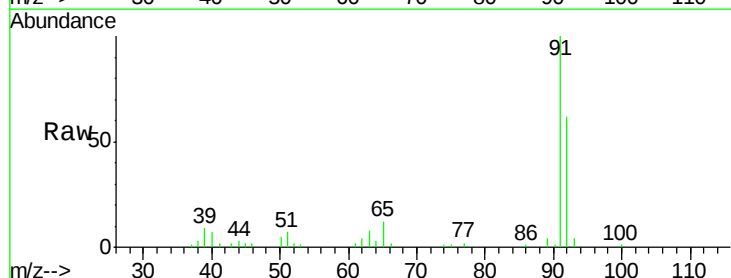
Acq: 06 Mar 2019 09:41

Tgt Ion: 92 Resp: 7450

Ion Ratio Lower Upper

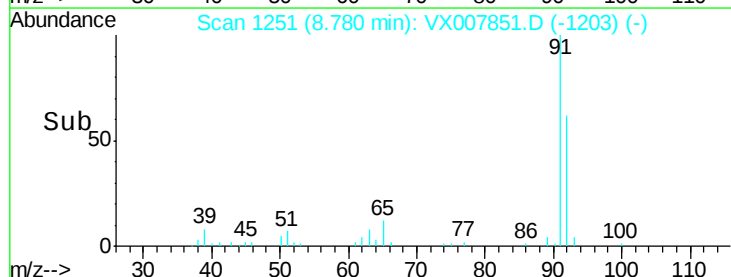
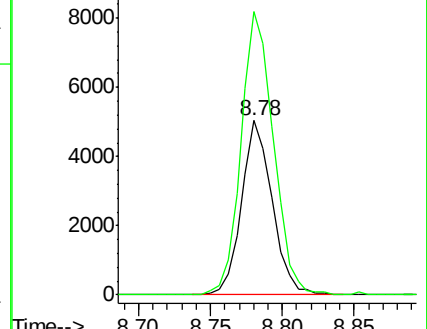
92 100

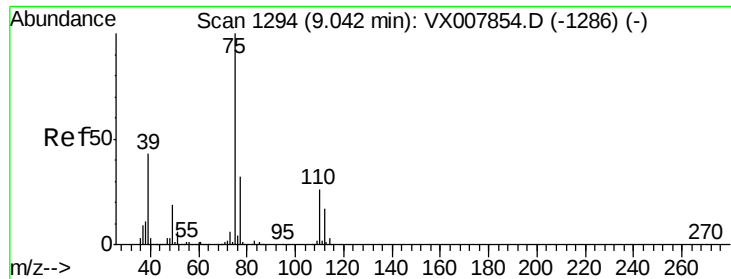
91 171.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

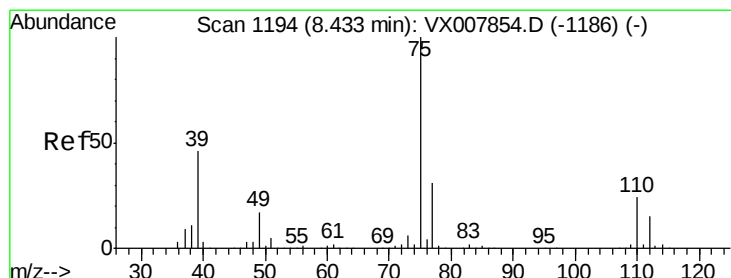
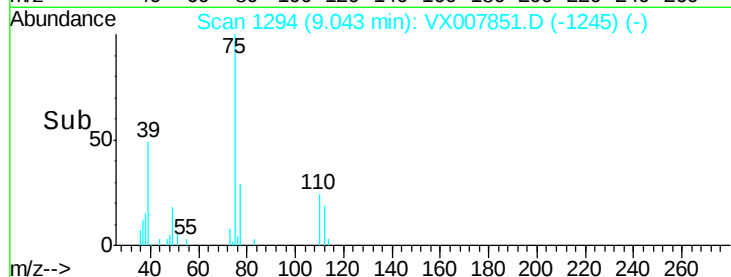
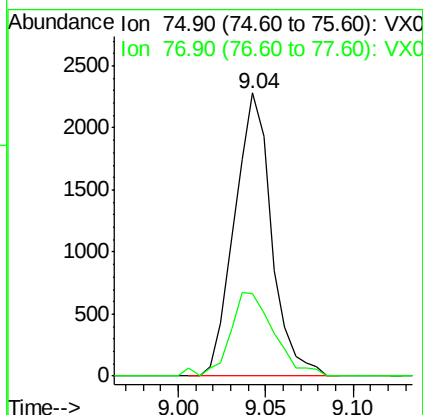
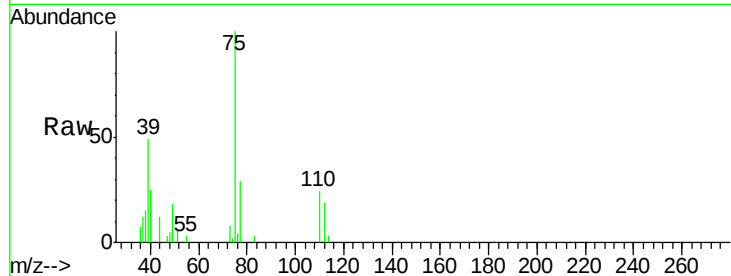




#53
 t-1,3-Dichloropropene
 Concen: 0.569 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

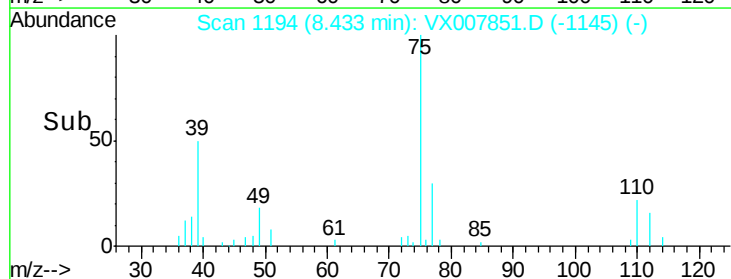
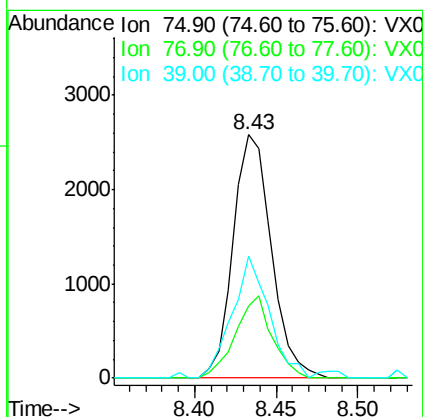
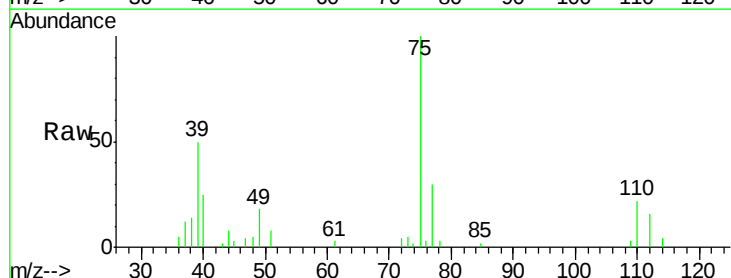
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

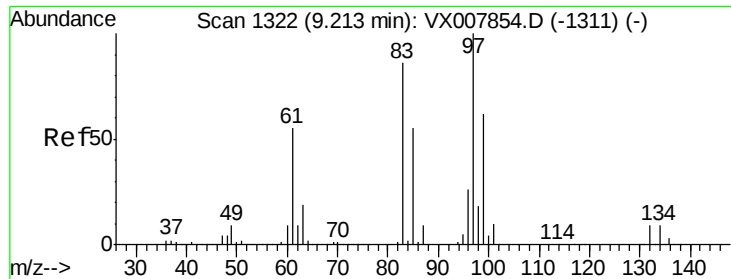
Tgt Ion: 75 Resp: 3358
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 0.634 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 75 Resp: 4225
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.0 37.6
 39 49.9 36.6 54.8

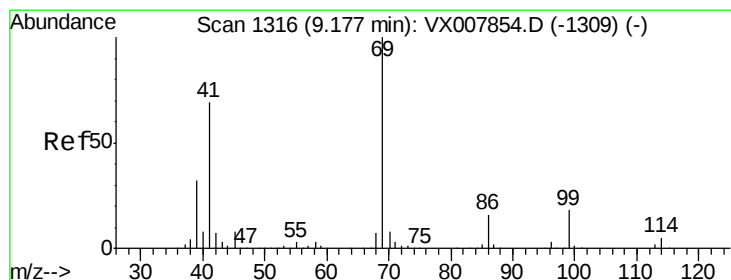
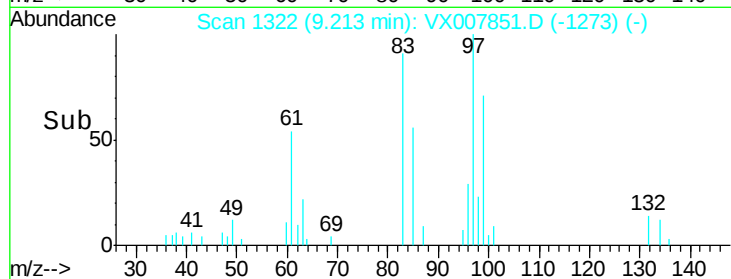
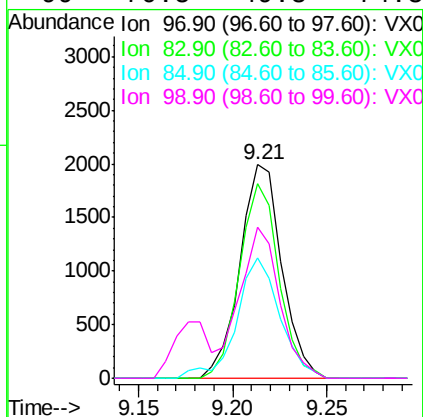
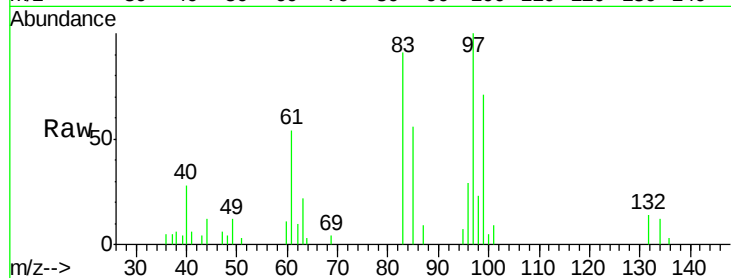




#55
 1,1,2-Trichloroethane
 Concen: 0.696 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

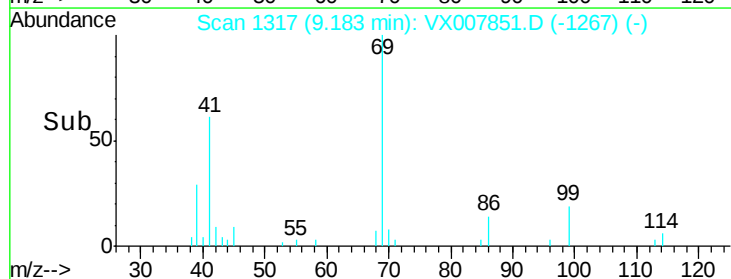
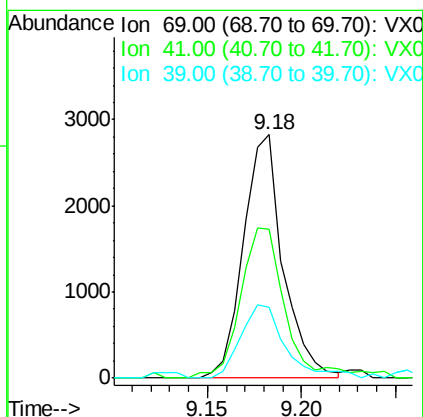
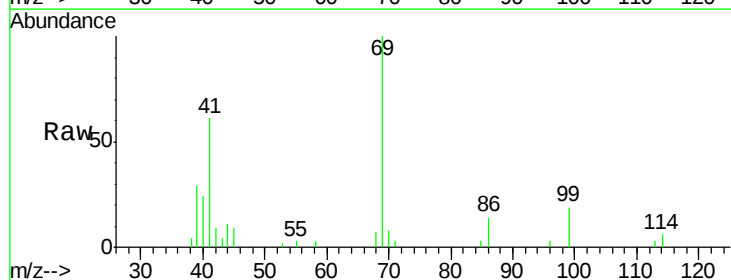
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

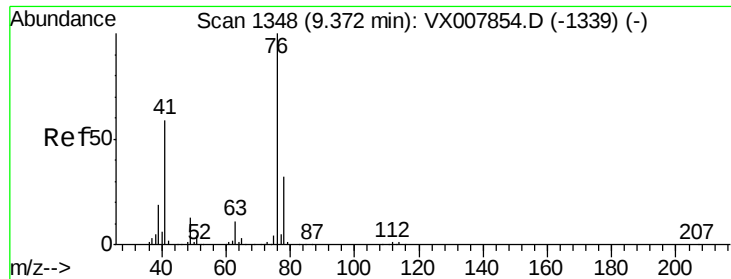
Tgt Ion:	97	Resp:	3068
Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.1	103.7
85	56.2	44.3	66.5
99	70.5	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 0.623 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion:	69	Resp:	4125
Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.2	81.4
39	34.0	25.0	37.4





#57

1,3-Dichloropropane

Concen: 0.695 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

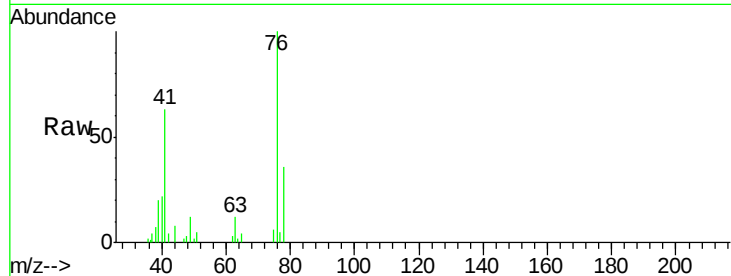
VSTDIC001

Tgt Ion: 76 Resp: 5141

Ion Ratio Lower Upper

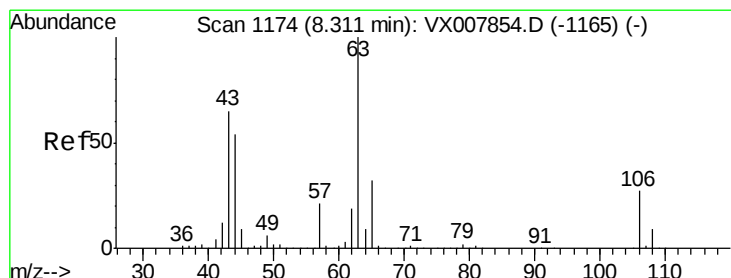
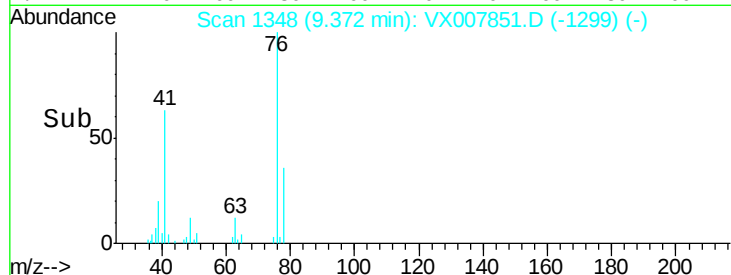
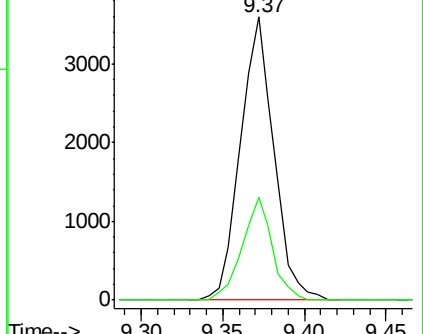
76 100

78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.275 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007851.D

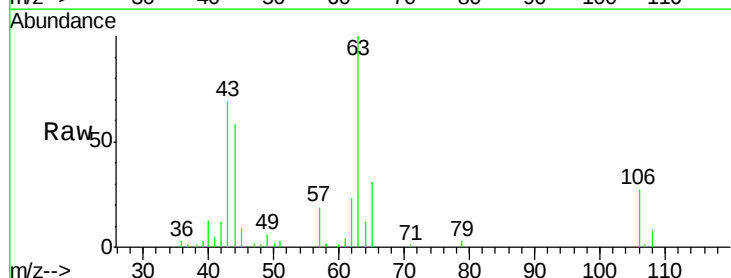
Acq: 06 Mar 2019 09:41

Tgt Ion: 63 Resp: 7787

Ion Ratio Lower Upper

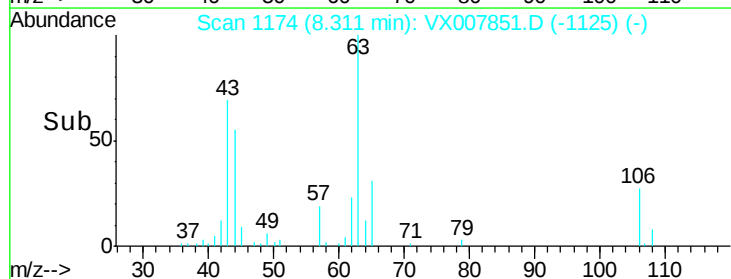
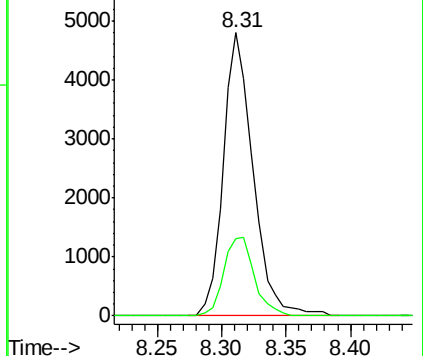
63 100

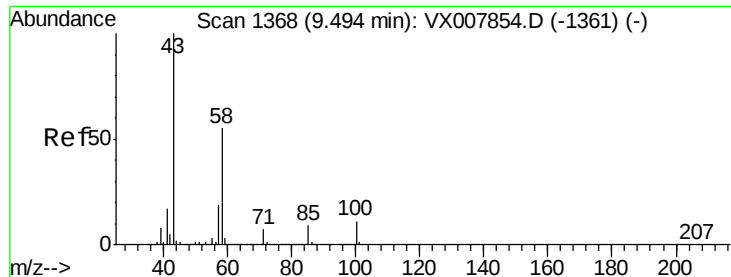
106 28.4 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

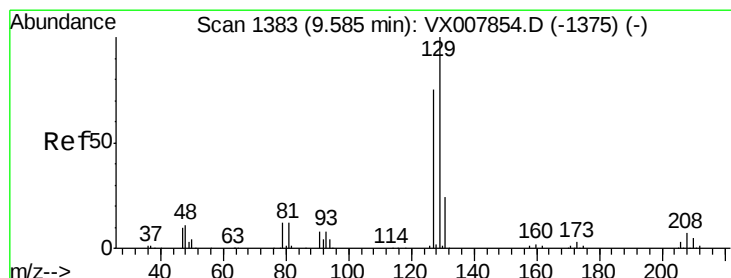
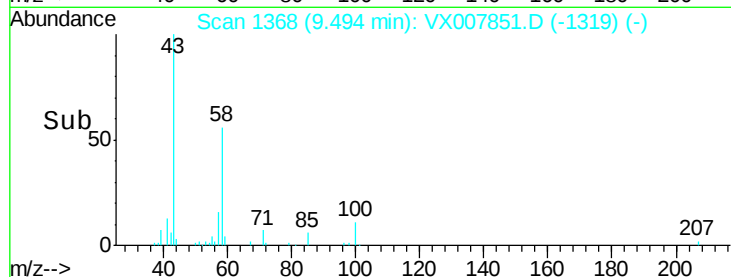
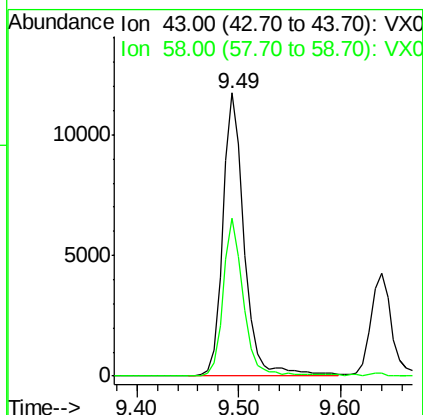
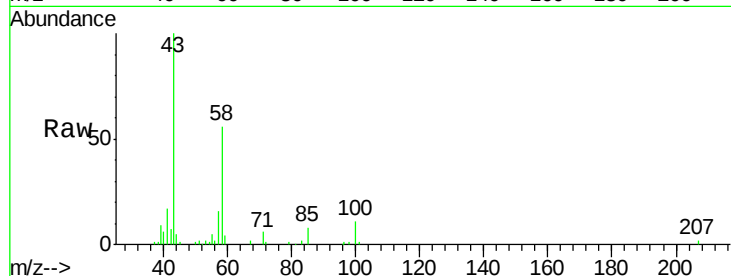




#59
2-Hexanone
Concen: 3.264 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

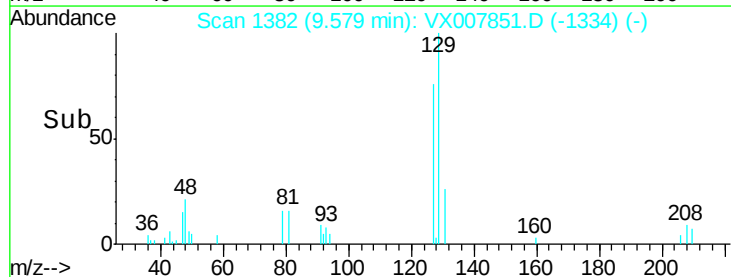
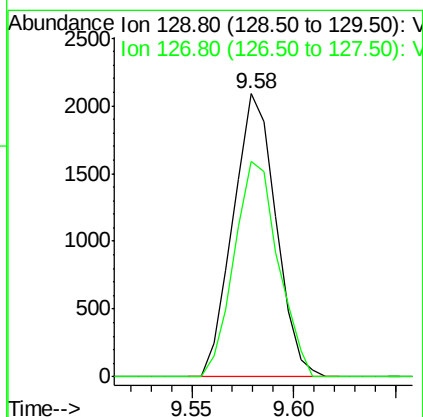
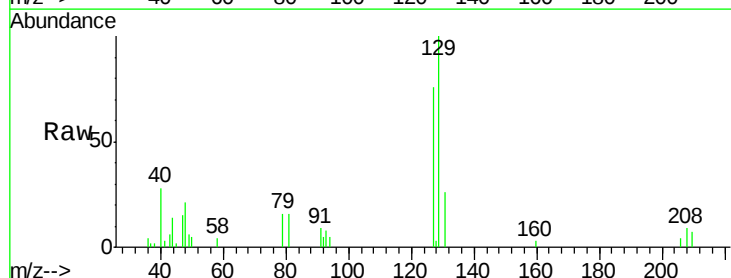
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

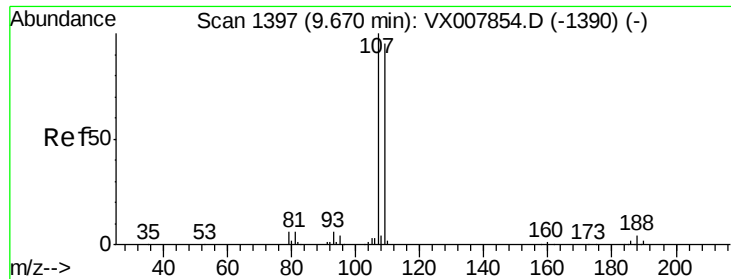
Tgt Ion: 43 Resp: 17145
Ion Ratio Lower Upper
43 100
58 52.9 27.6 82.7



#60
Dibromochloromethane
Concen: 0.659 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 129 Resp: 3038
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 0.642 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

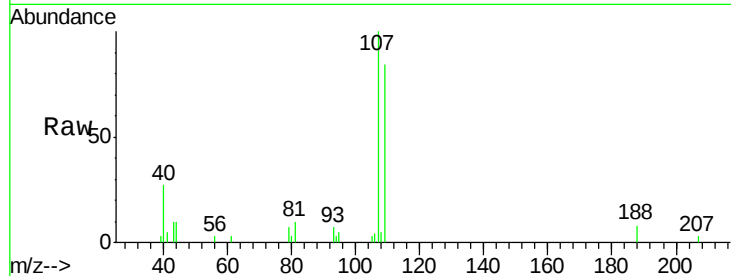
VSTDIC001

Tgt Ion: 107 Resp: 3006

Ion Ratio Lower Upper

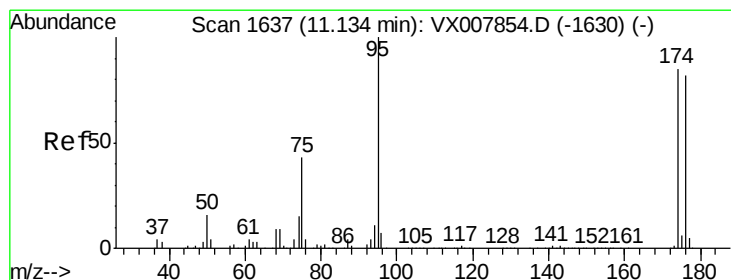
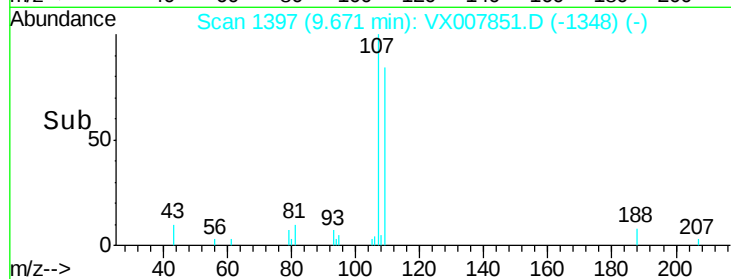
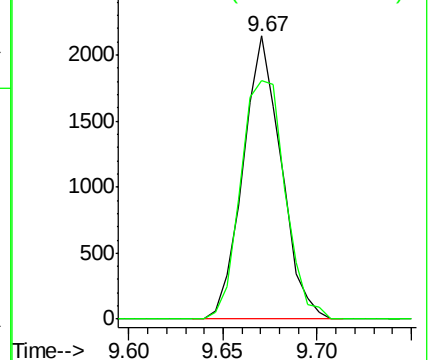
107 100

109 98.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 0.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

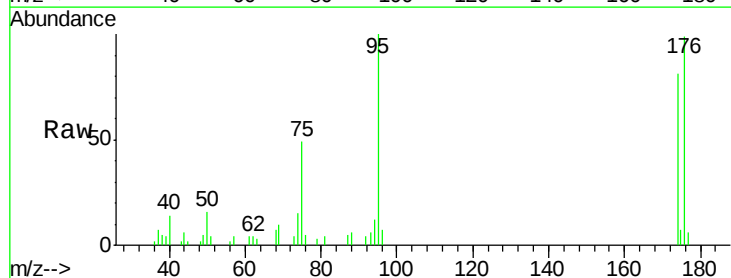
Tgt Ion: 95 Resp: 5256

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

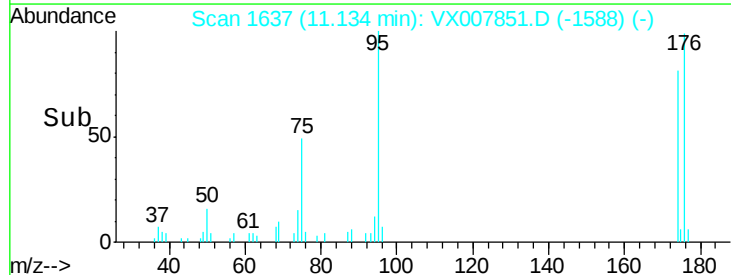
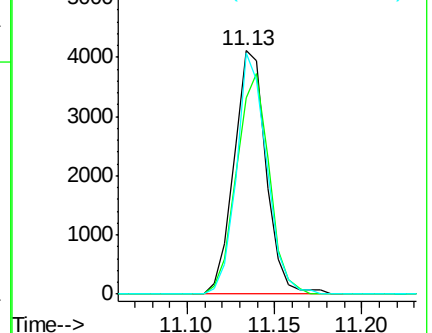
176 93.1 0.0 178.0

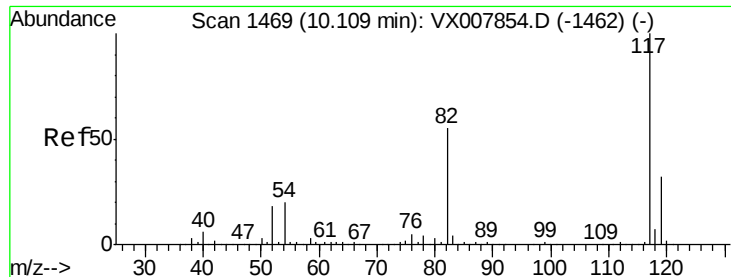


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

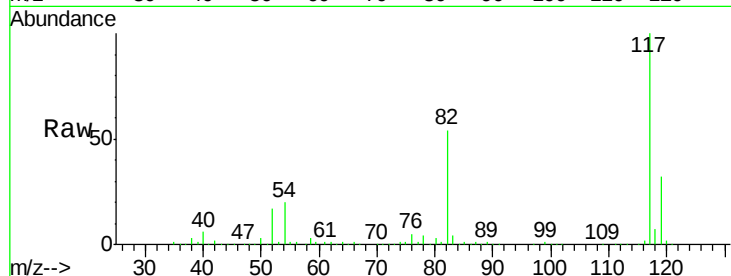
Tgt Ion:117 Resp: 590800

Ion Ratio Lower Upper

117 100

82 54.2 44.3 66.5

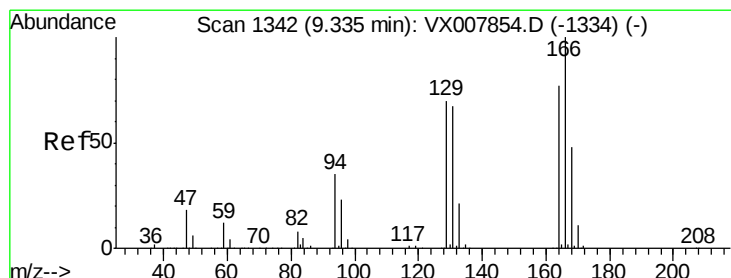
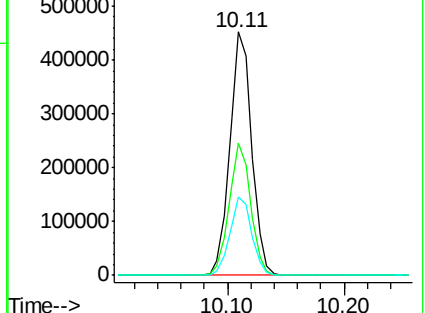
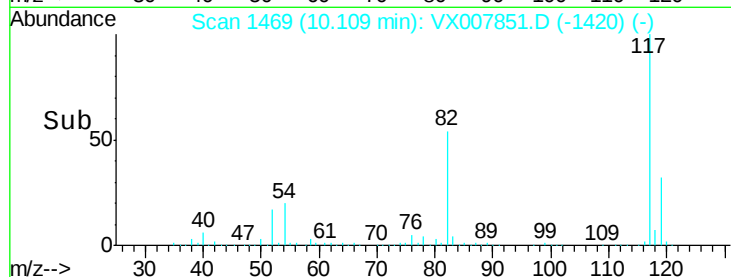
119 32.3 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.772 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:164 Resp: 3780

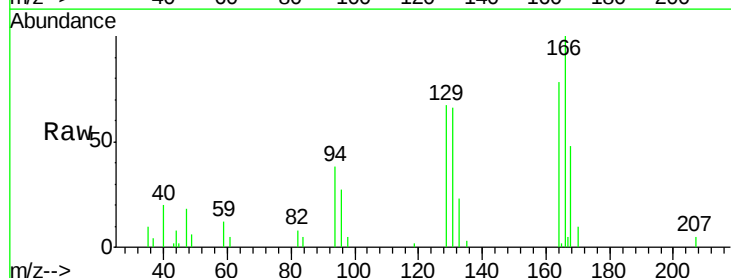
Ion Ratio Lower Upper

164 100

166 128.1 103.4 155.0

129 85.8 72.2 108.4

131 85.0 69.4 104.2

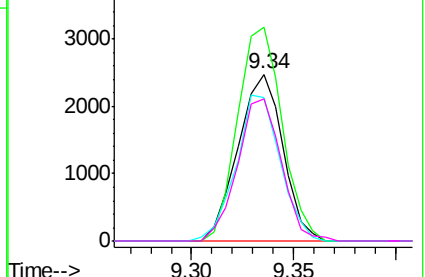
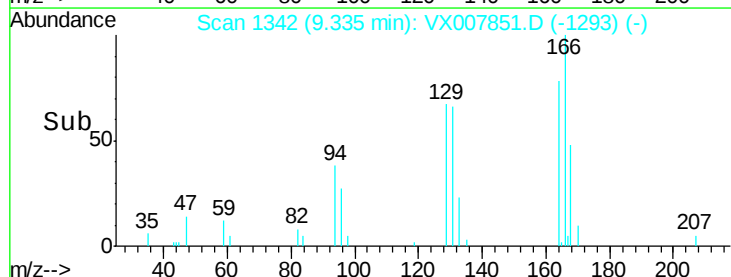


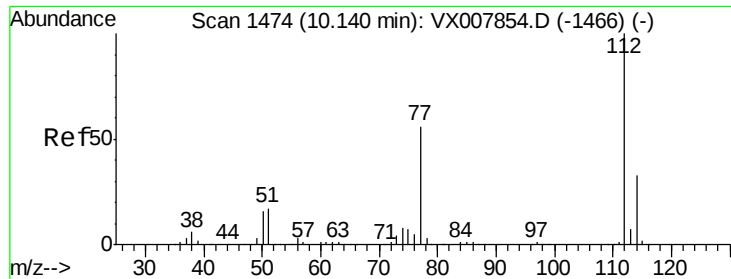
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

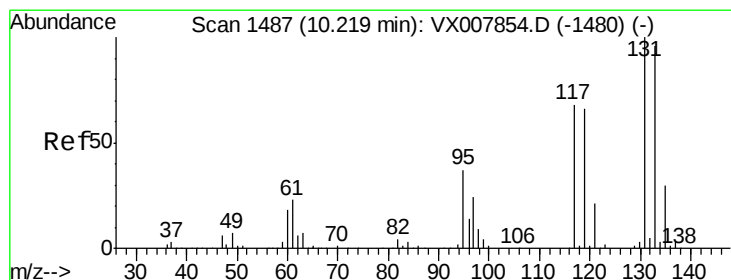
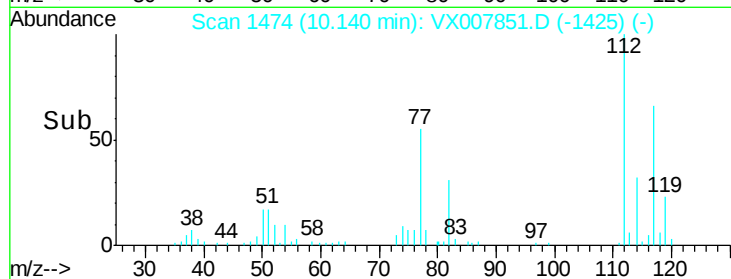
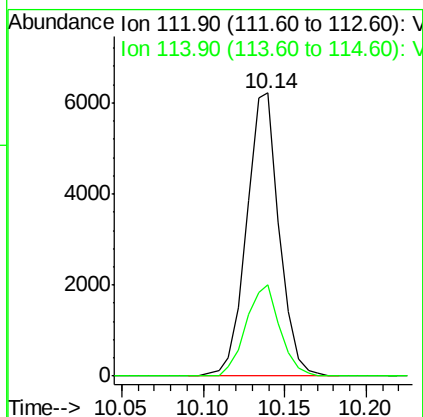
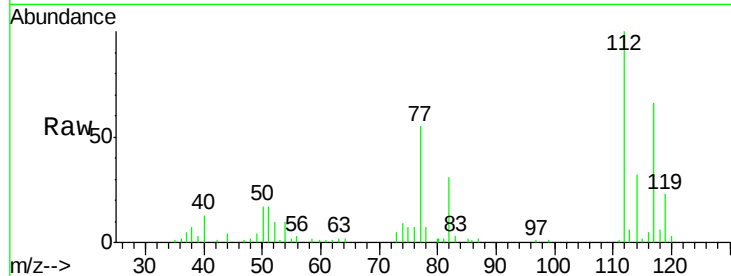




#65
Chlorobenzene
Concen: 0.700 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

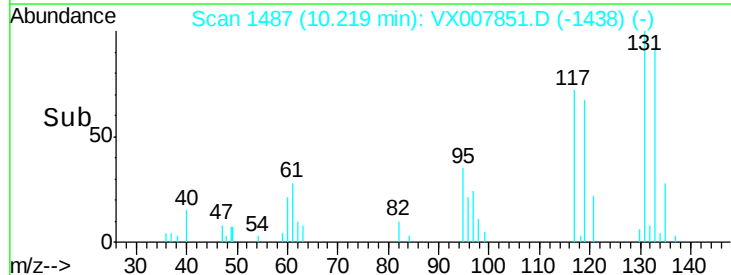
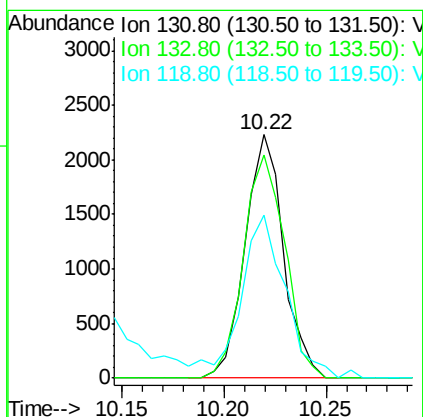
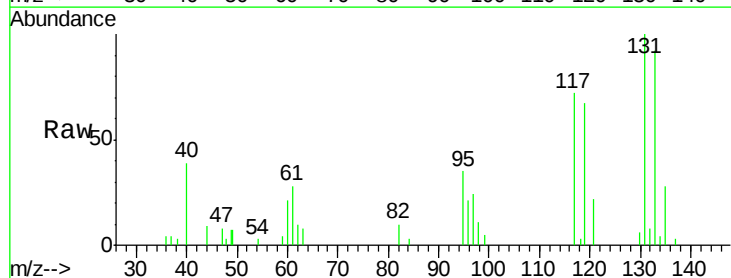
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

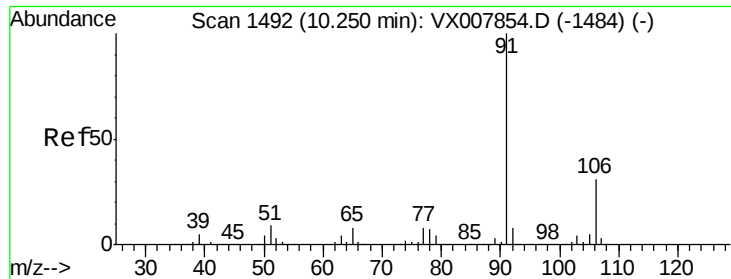
Tgt Ion:112 Resp: 8654
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.659 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion:131 Resp: 2919
Ion Ratio Lower Upper
131 100
133 99.0 47.8 143.3
119 0.0 32.5 97.5#





#67

Ethyl Benzene

Concen: 0.670 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

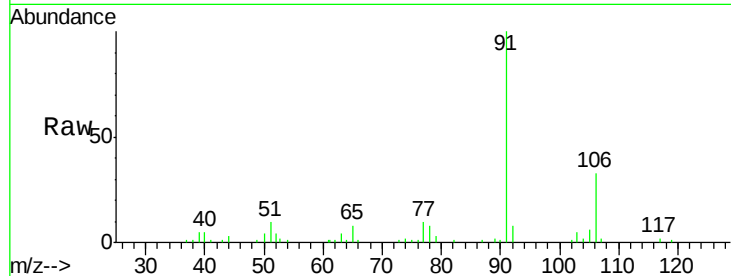
VSTDIC001

Tgt Ion: 91 Resp: 13635

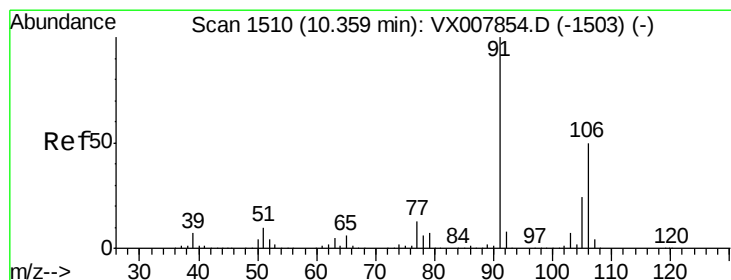
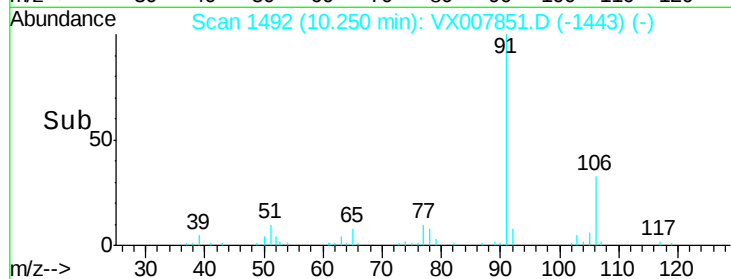
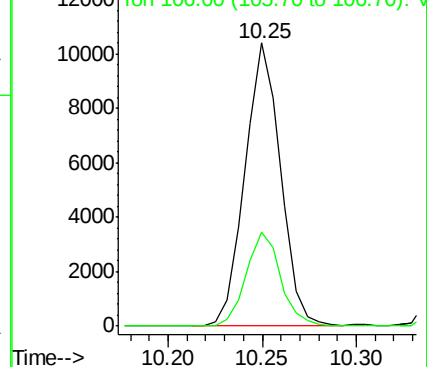
Ion Ratio Lower Upper

91 100

106 33.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX007851.D (-1484) (-)



#68

m/p-Xylenes

Concen: 1.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007851.D

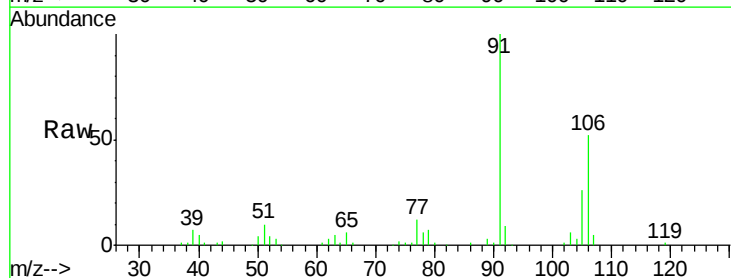
Acq: 06 Mar 2019 09:41

Tgt Ion: 106 Resp: 10332

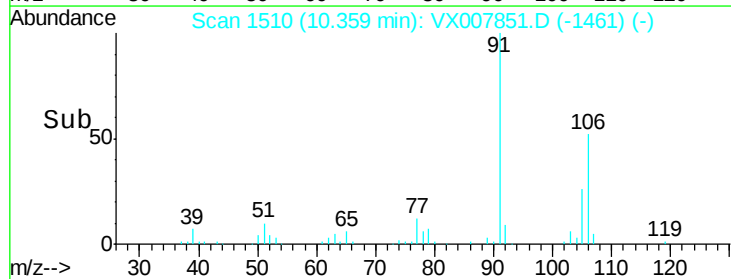
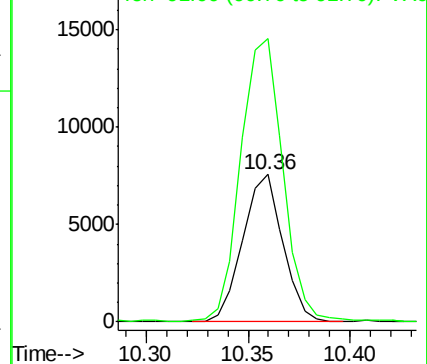
Ion Ratio Lower Upper

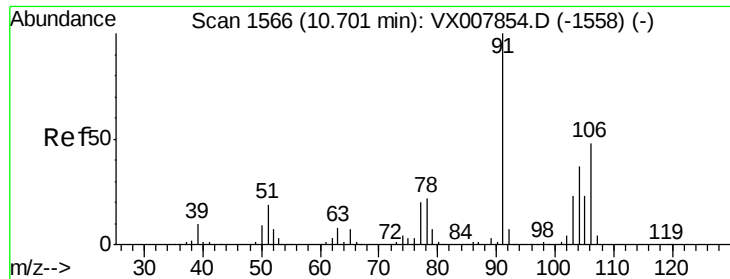
106 100

91 201.8 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VX007851.D (-1503) (-)

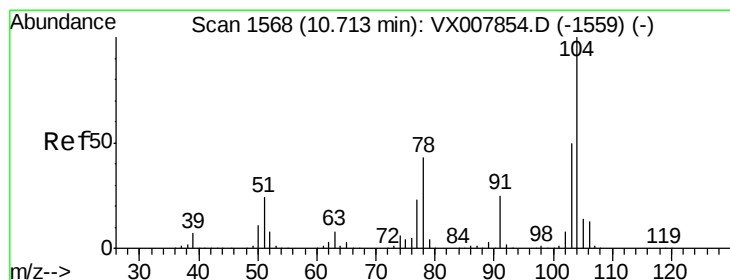
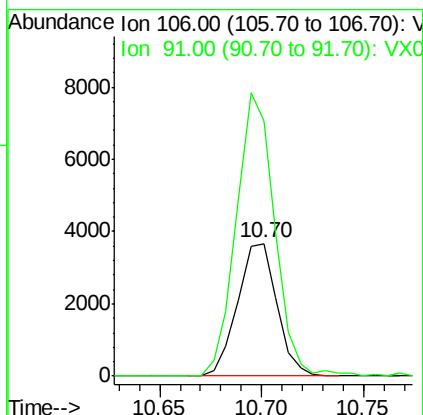
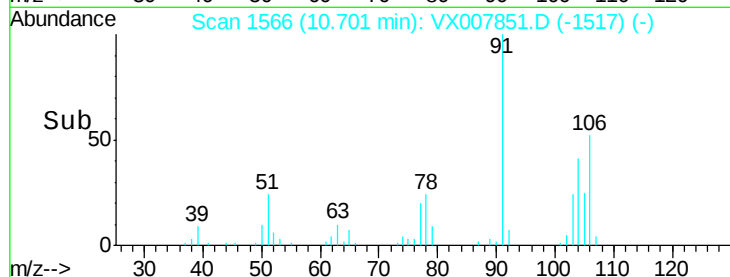
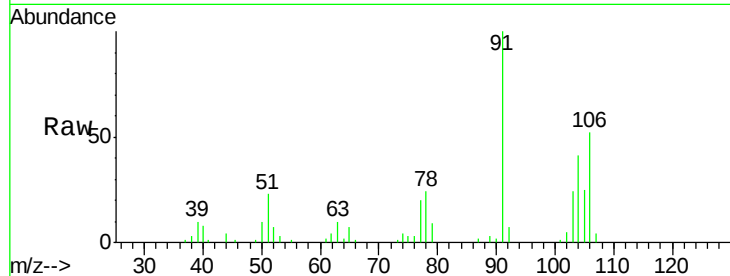




#69
o-Xylene
Concen: 0.651 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

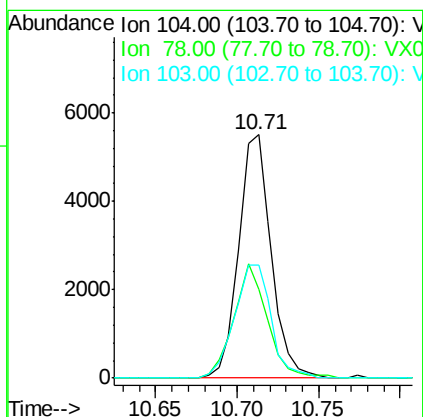
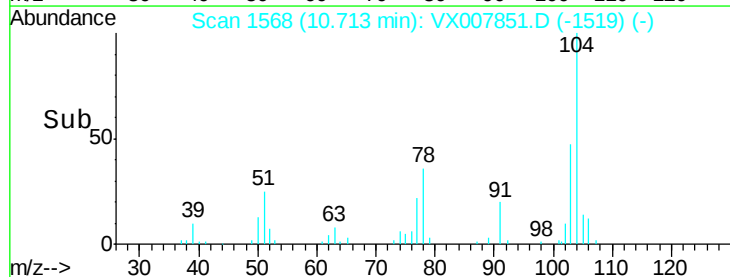
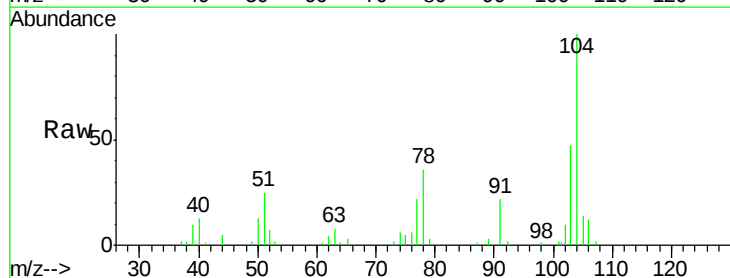
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

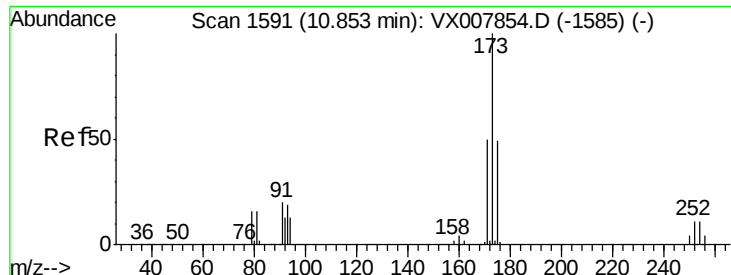
Tgt Ion:106 Resp: 4927
Ion Ratio Lower Upper
106 100
91 207.3 106.3 318.9



#70
Styrene
Concen: 0.617 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion:104 Resp: 7652
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 52.6 44.1 66.1

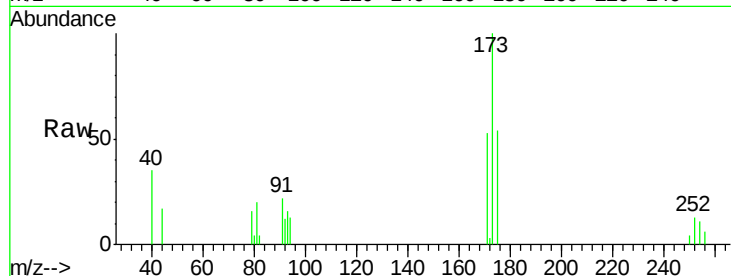




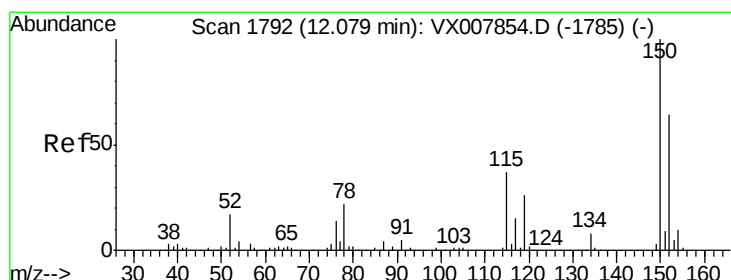
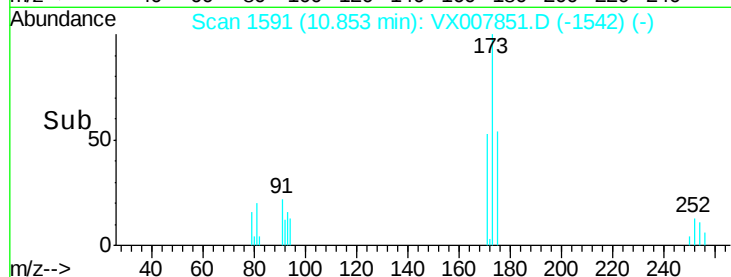
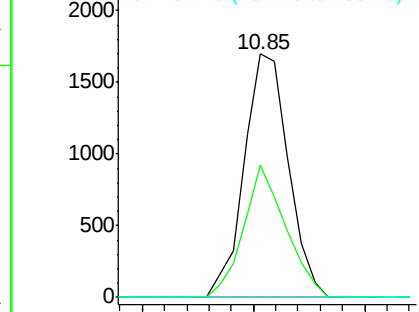
#71
Bromoform
Concen: 0.618 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tgt Ion:173 Resp: 2350
Ion Ratio Lower Upper
173 100
175 51.9 24.3 72.9
254 0.0 0.1 0.1#

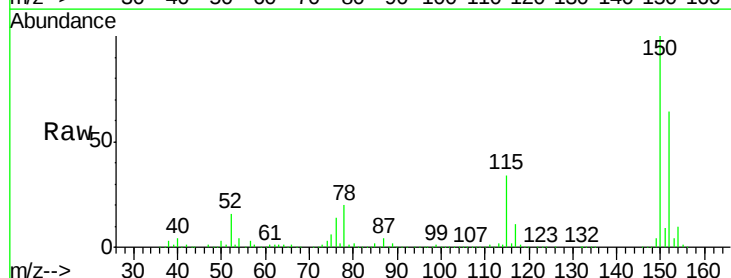


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

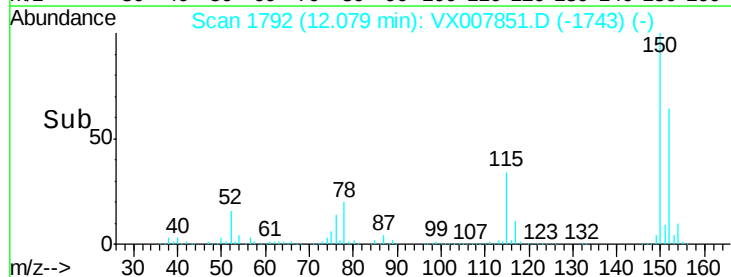
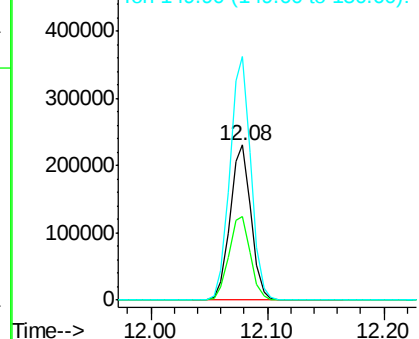


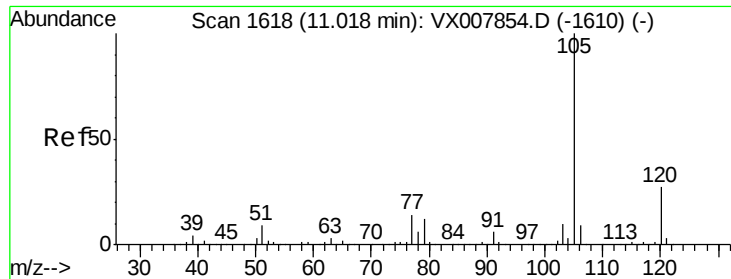
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion:152 Resp: 284905
Ion Ratio Lower Upper
152 100
115 55.7 38.6 115.7
150 157.3 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: 0.656 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

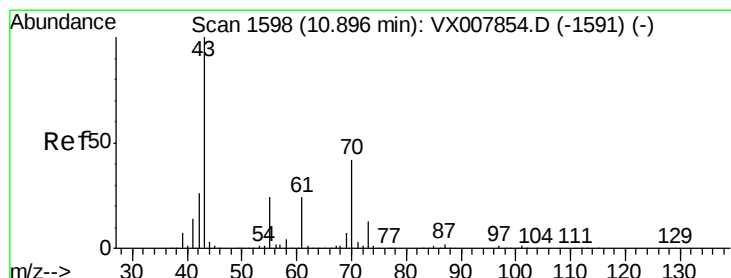
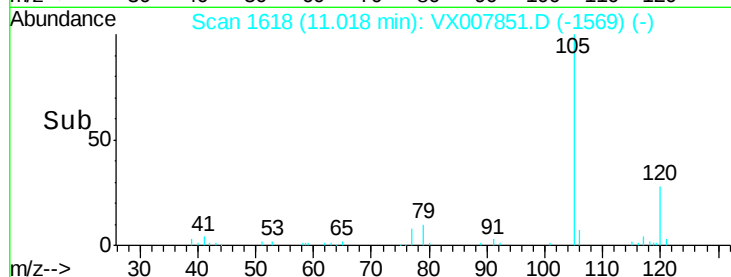
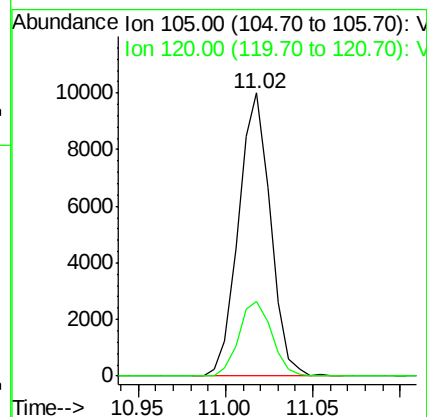
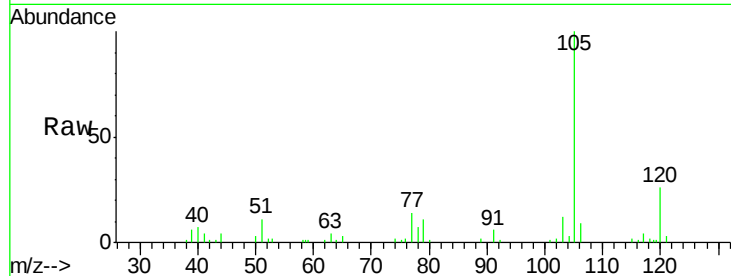
VSTDIC001

Tgt Ion: 105 Resp: 12646

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



#74

N-ethyl acetate

Concen: 0.610 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion: 43 Resp: 5369

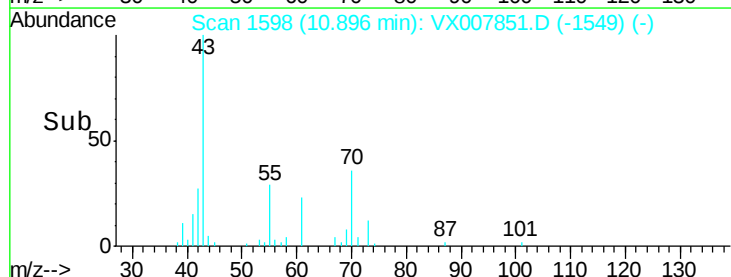
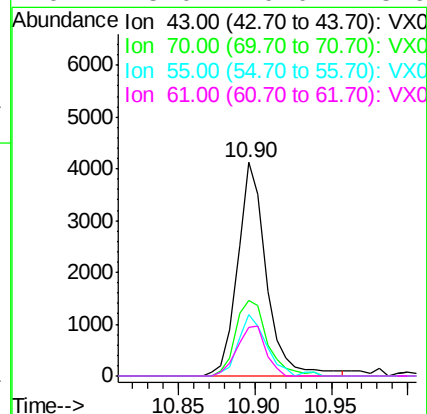
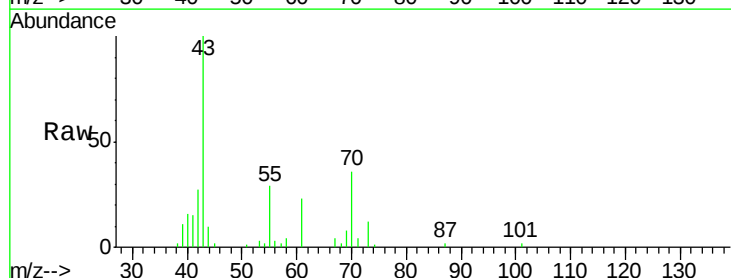
Ion Ratio Lower Upper

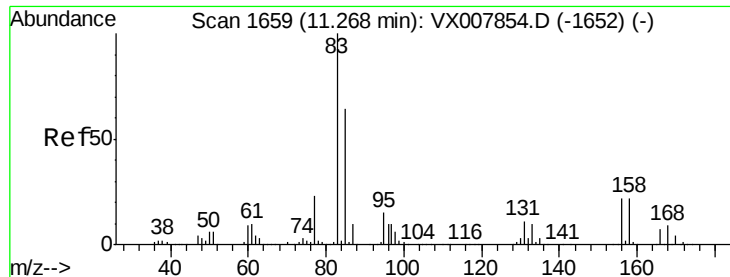
43 100

70 39.3 33.5 50.3

55 28.5 19.2 28.8

61 23.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.729 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

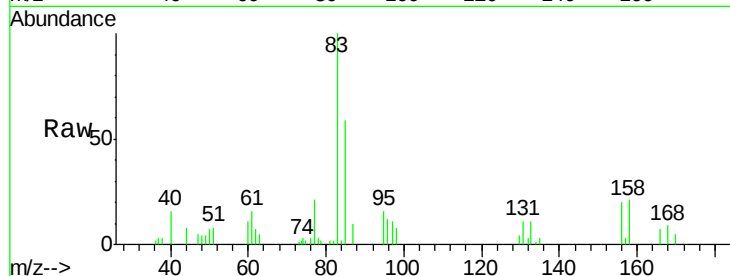
Tgt Ion: 83 Resp: 4843

Ion Ratio Lower Upper

83 100

131 9.7 5.4 16.2

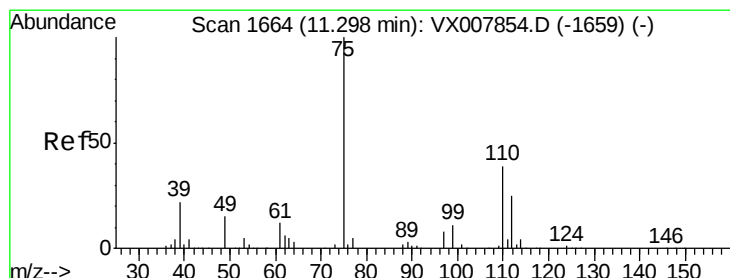
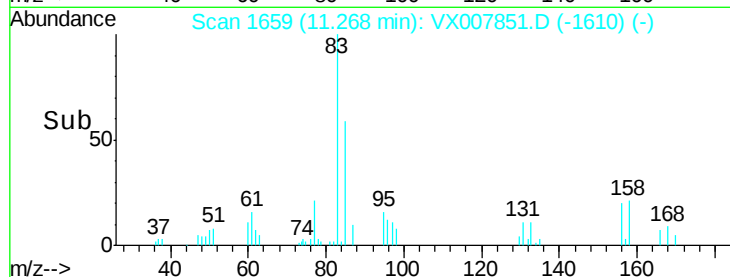
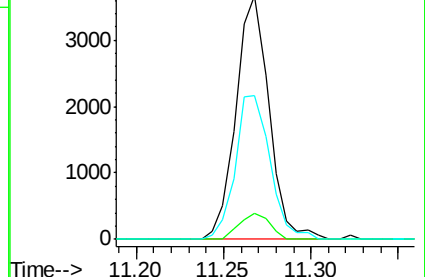
85 62.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.830 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007851.D

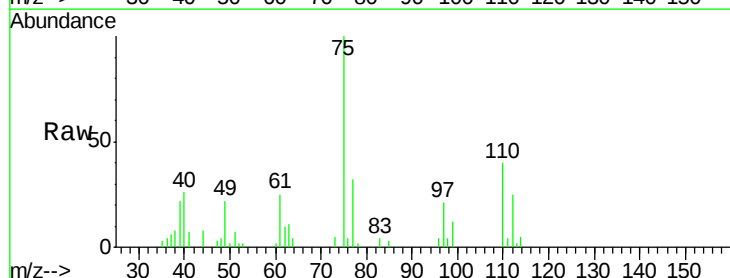
Acq: 06 Mar 2019 09:41

Tgt Ion: 75 Resp: 5002

Ion Ratio Lower Upper

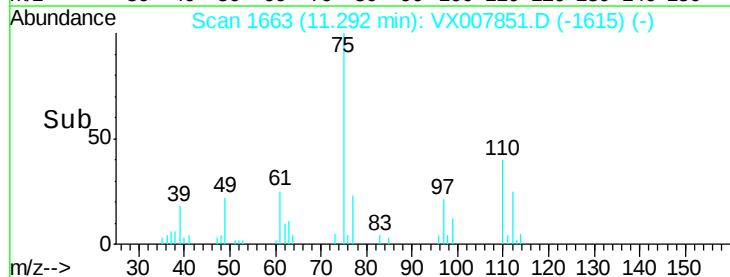
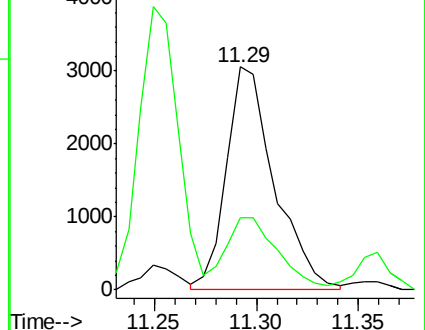
75 100

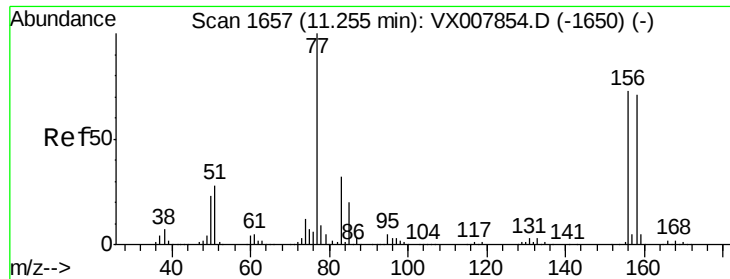
77 35.4 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.687 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

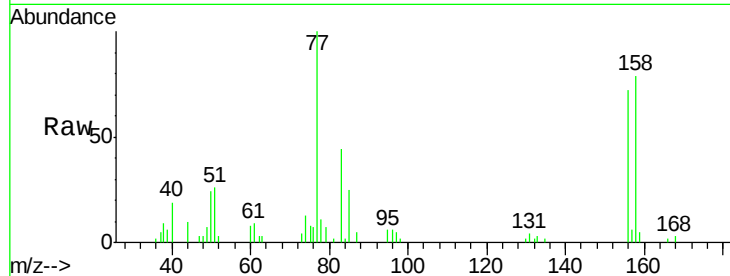
Tgt Ion:156 Resp: 3629

Ion Ratio Lower Upper

156 100

77 143.0 72.0 215.9

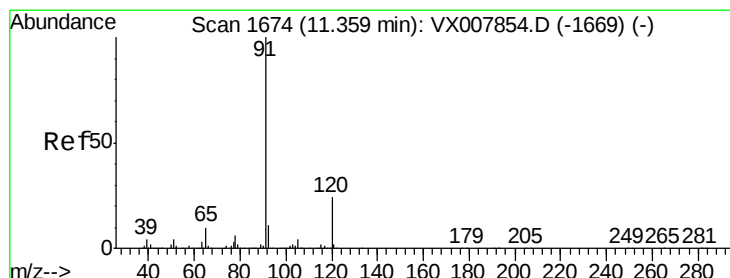
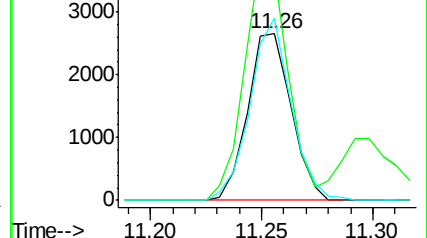
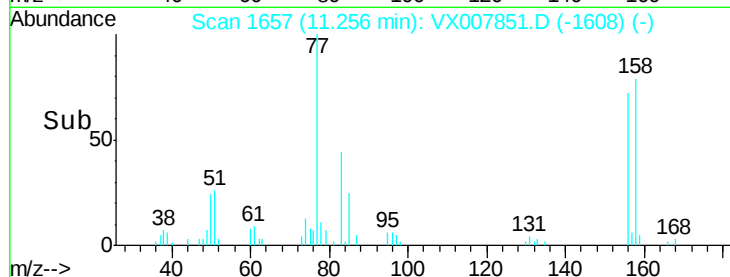
158 103.5 48.6 145.9



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: 0.640 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007851.D

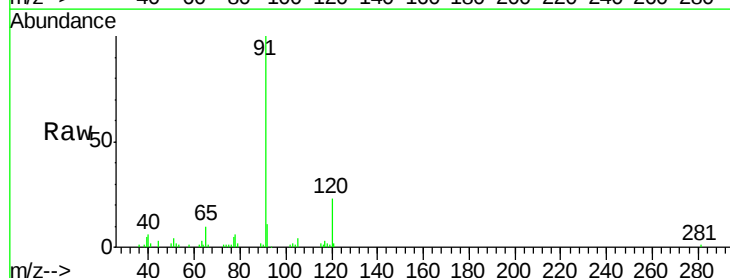
Acq: 06 Mar 2019 09:41

Tgt Ion: 91 Resp: 13680

Ion Ratio Lower Upper

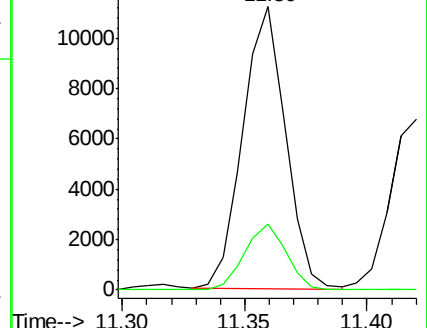
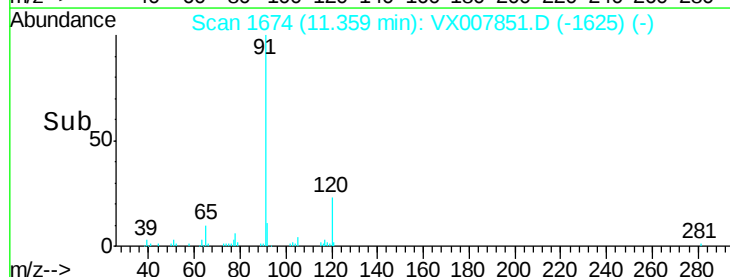
91 100

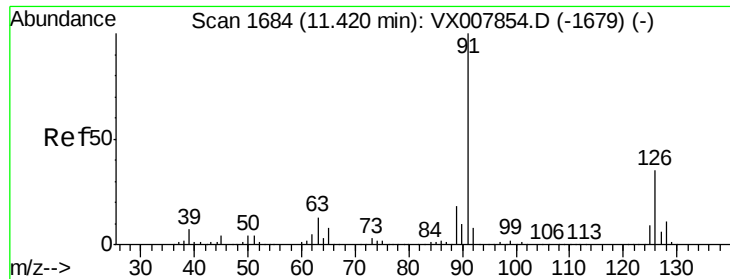
120 22.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

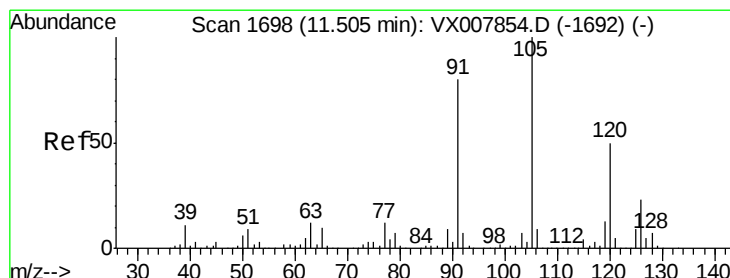
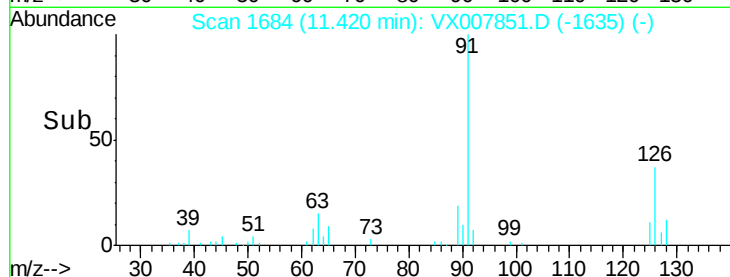
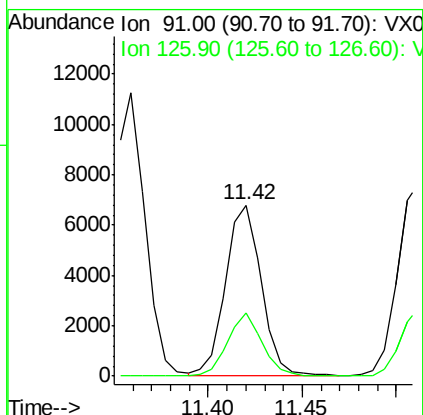
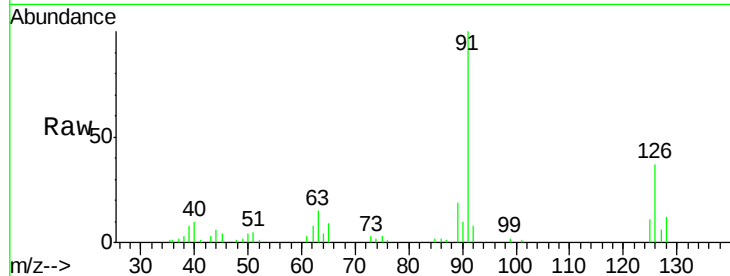




#79
 2-Chlorotoluene
 Concen: 0.687 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

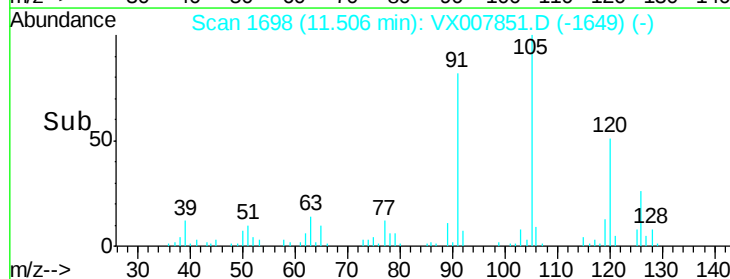
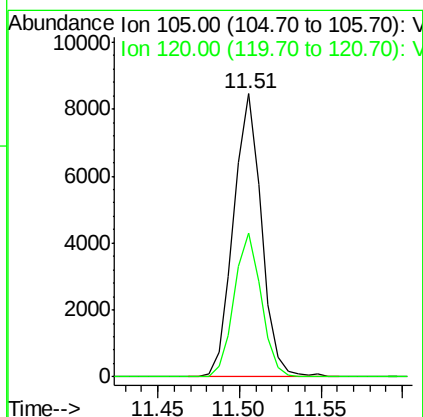
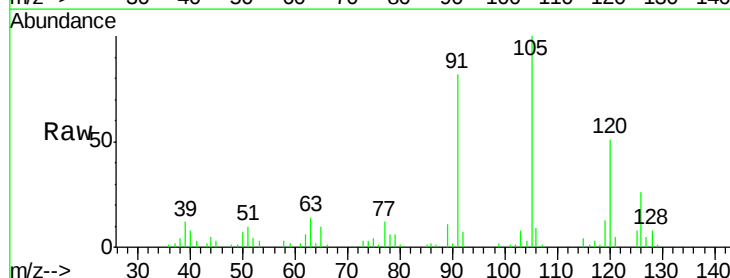
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

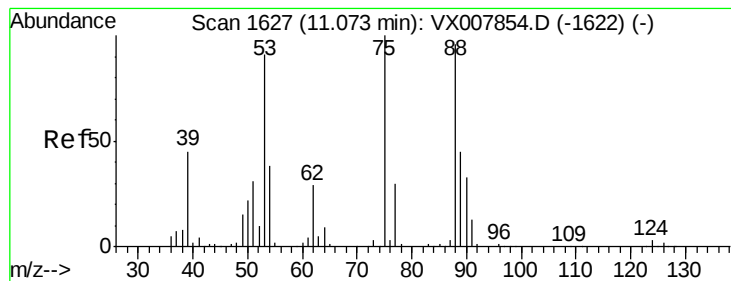
Tgt Ion: 91 Resp: 8974
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 0.636 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 105 Resp: 10094
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 0.585 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

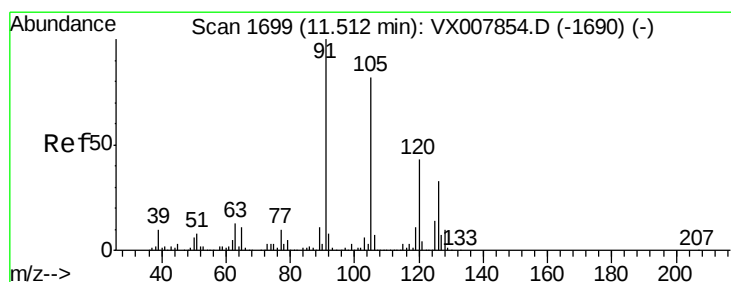
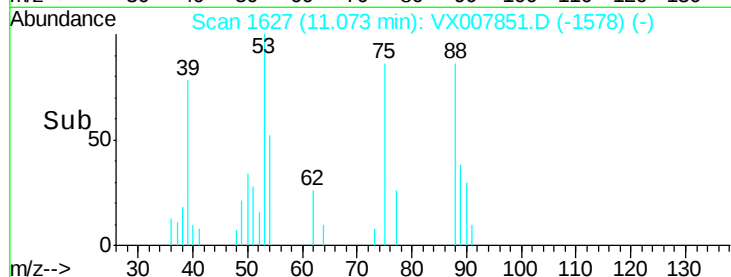
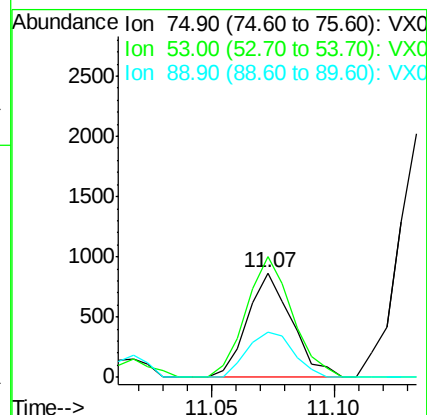
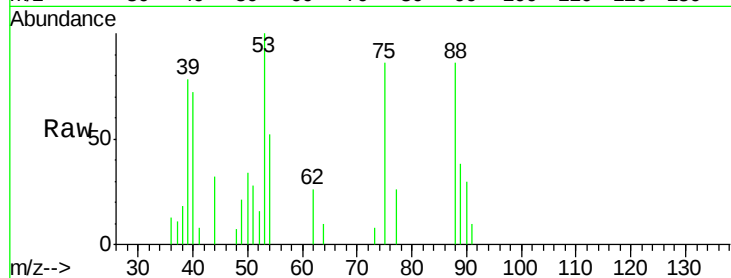
Tgt Ion: 75 Resp: 1094

Ion Ratio Lower Upper

75 100

53 120.4 76.1 114.1#

89 45.4 36.3 54.5



#82

4-Chlorotoluene

Concen: 0.659 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007851.D

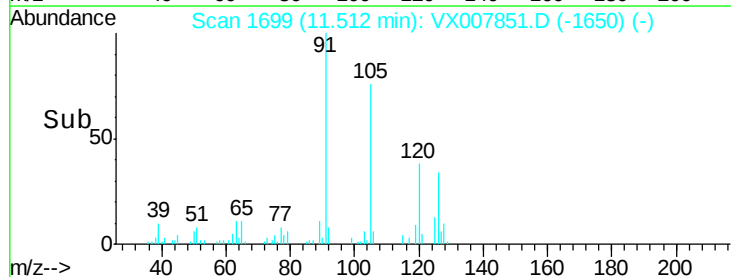
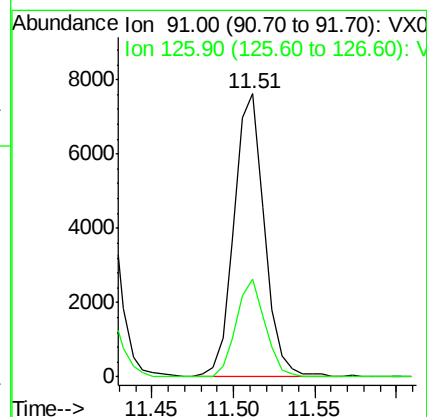
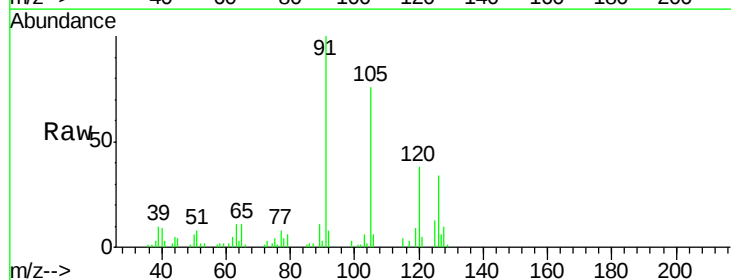
Acq: 06 Mar 2019 09:41

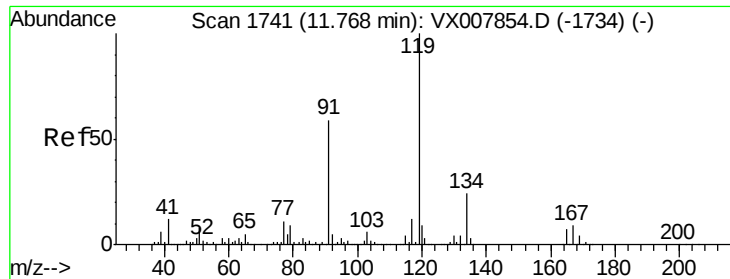
Tgt Ion: 91 Resp: 9877

Ion Ratio Lower Upper

91 100

126 32.5 15.6 46.8

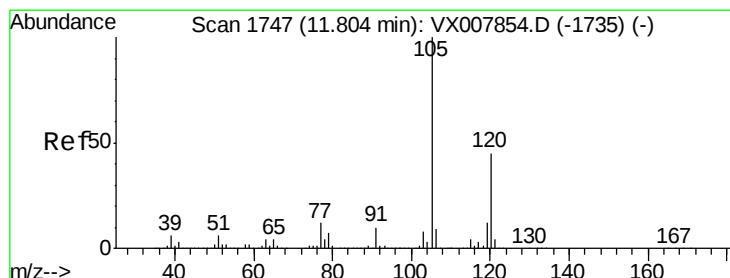
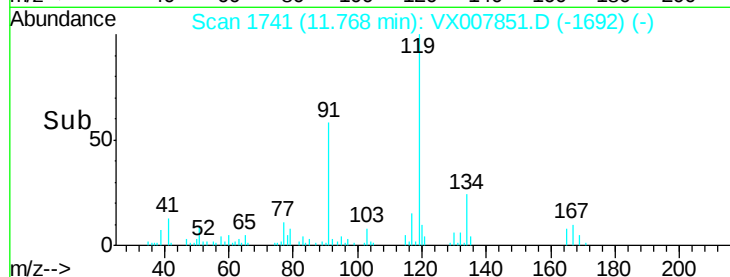
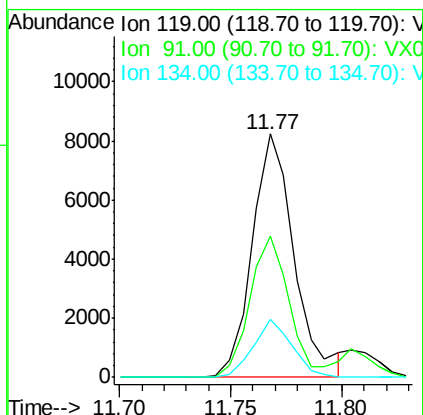
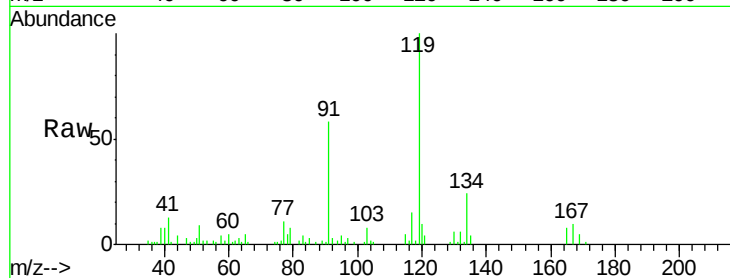




#83
 tert-Butylbenzene
 Concen: 0.677 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

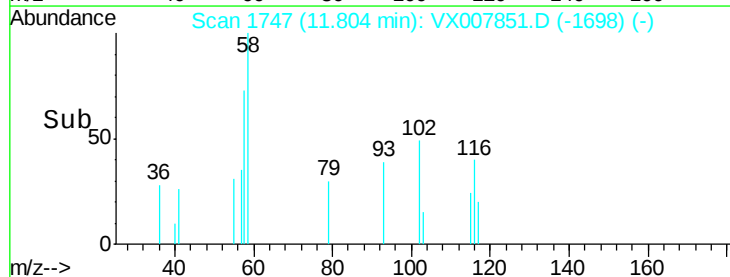
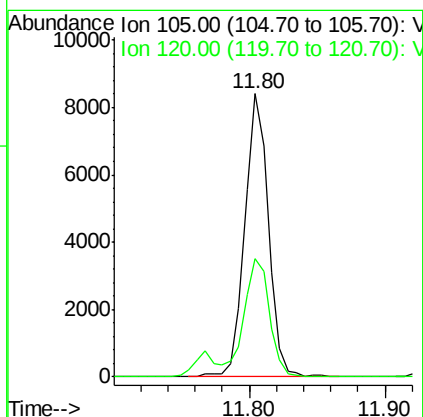
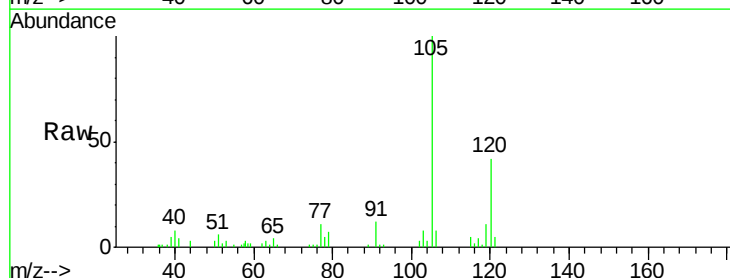
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

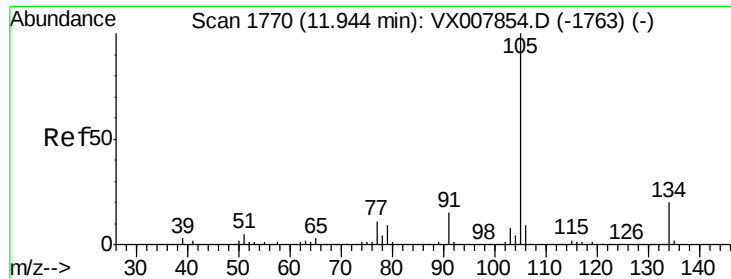
Tgt Ion:119 Resp: 10813
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.1 81.3
 134 22.0 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.628 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion:105 Resp: 10210
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 0.643 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

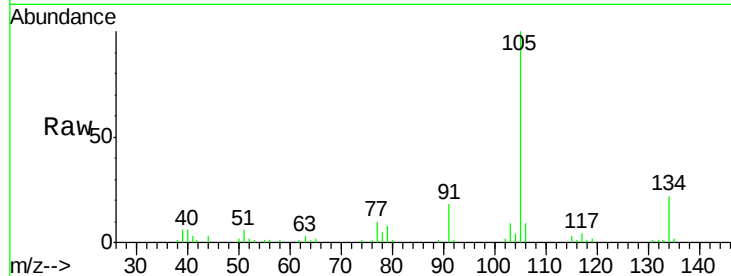
VSTDIC001

Tgt Ion:105 Resp: 12092

Ion Ratio Lower Upper

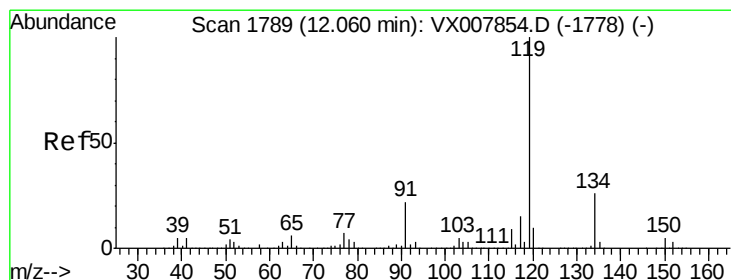
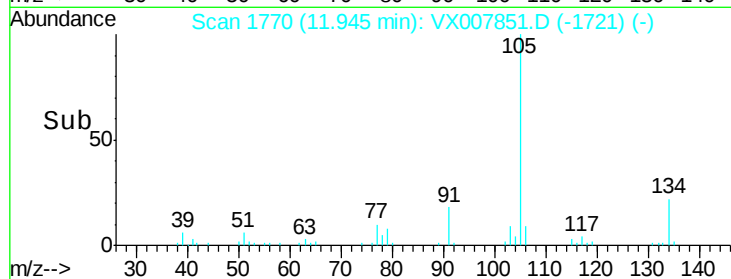
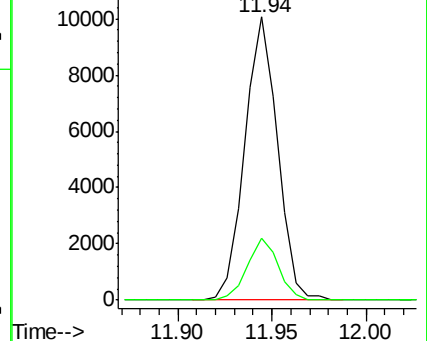
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.638 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

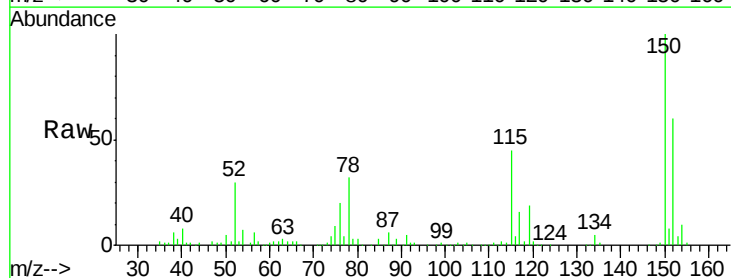
Tgt Ion:119 Resp: 10751

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

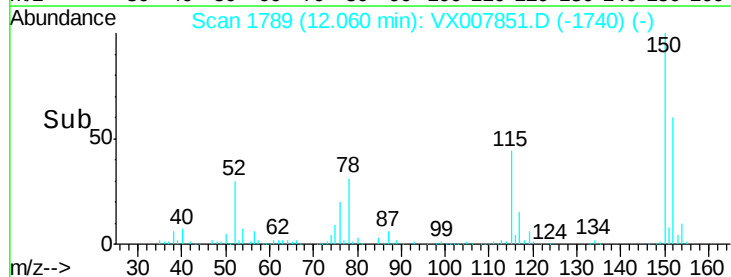
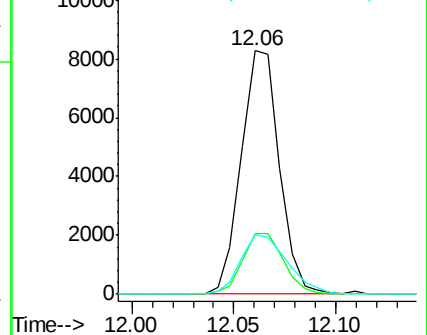
91 30.0 10.9 32.7

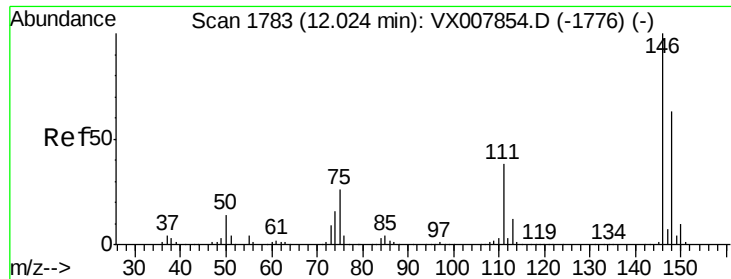


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

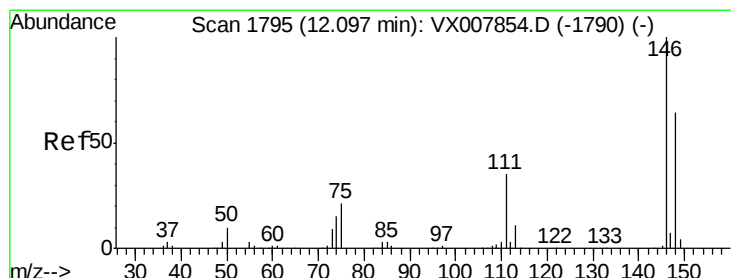
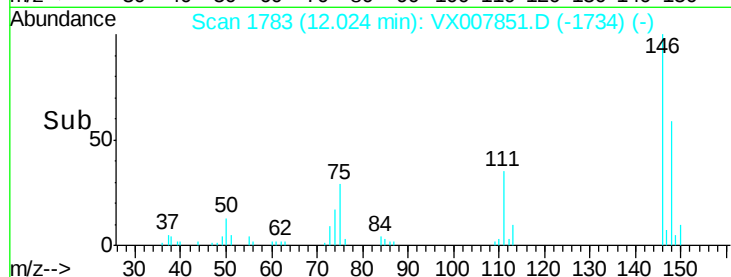
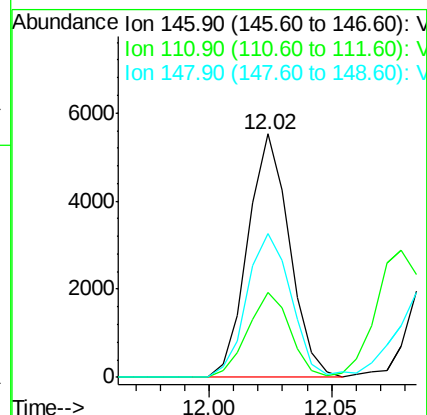
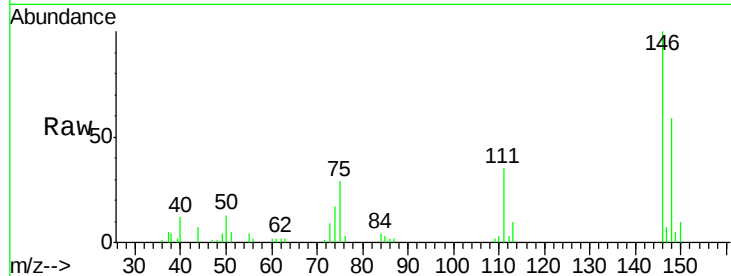




#87
 1,3-Dichlorobenzene
 Concen: 0.702 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

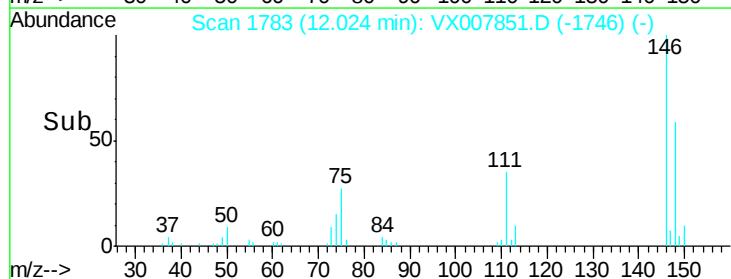
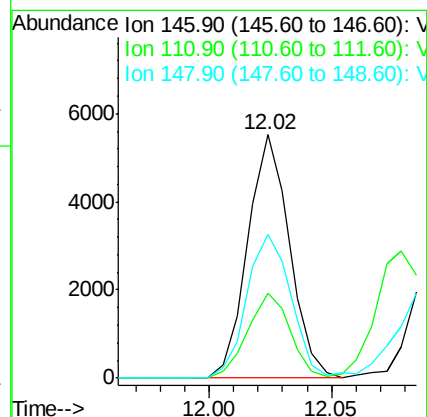
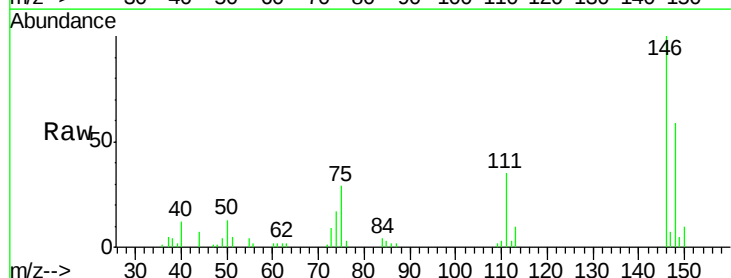
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

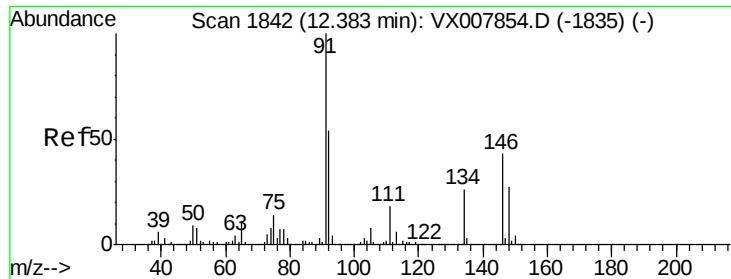
Tgt Ion:146 Resp: 6561
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.9 56.7
 148 62.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 0.685 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion:146 Resp: 6561
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.0
 148 62.3 32.2 96.6





#89

n-Butylbenzene

Concen: 0.617 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

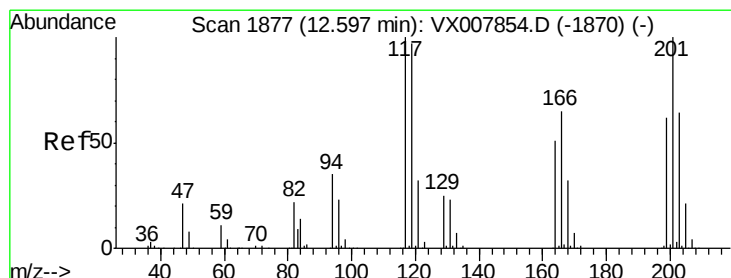
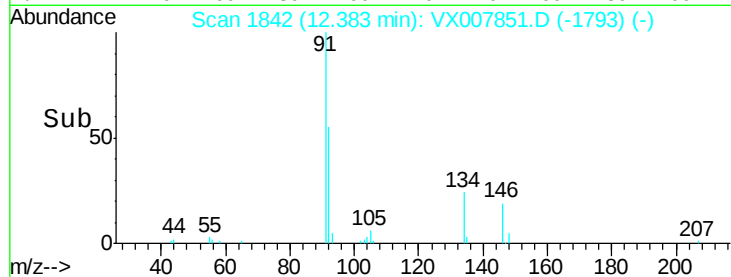
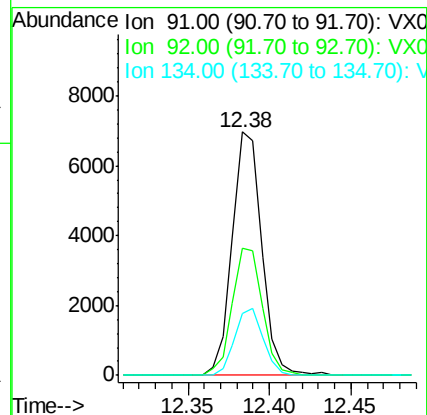
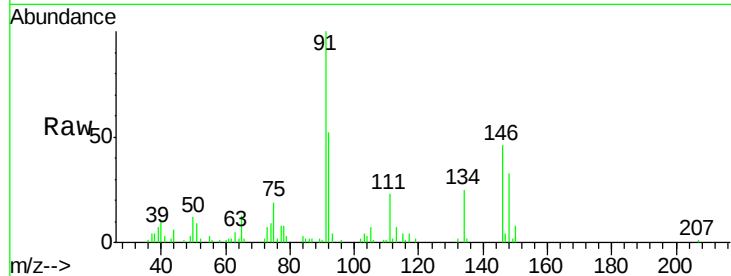
Tgt Ion: 91 Resp: 8808

Ion Ratio Lower Upper

91 100

92 53.1 27.0 80.8

134 26.2 13.7 41.0



#90

Hexachloroethane

Concen: 0.704 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007851.D

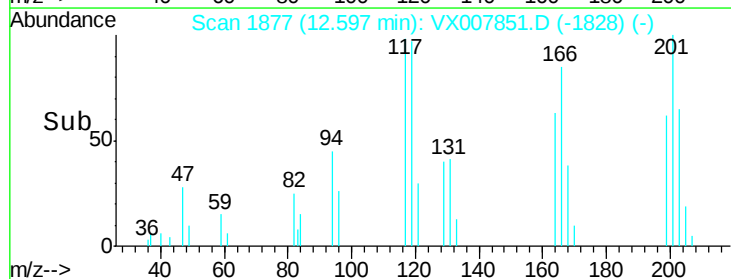
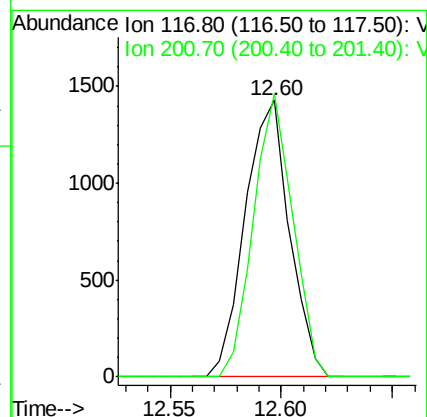
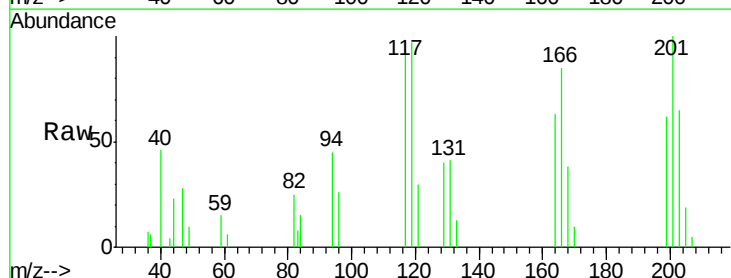
Acq: 06 Mar 2019 09:41

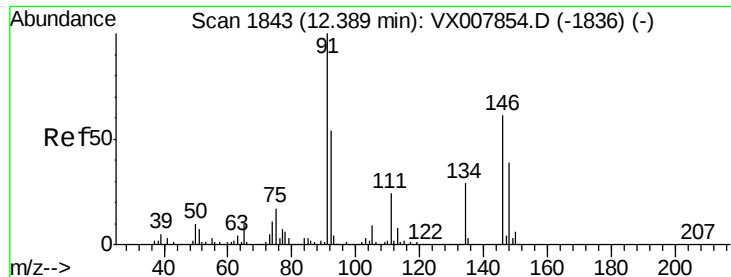
Tgt Ion: 117 Resp: 1984

Ion Ratio Lower Upper

117 100

201 90.9 48.9 146.7

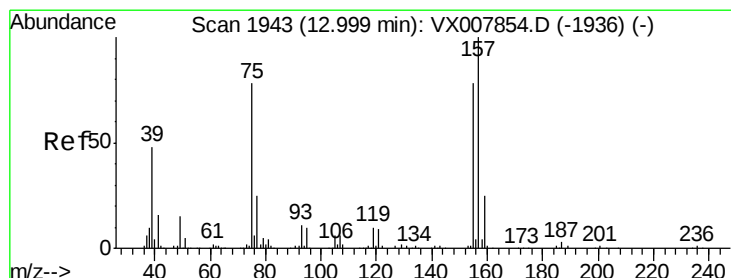
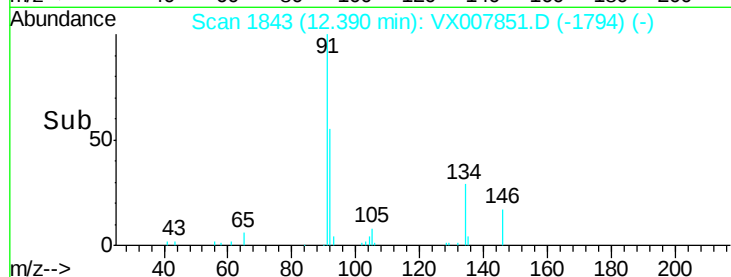
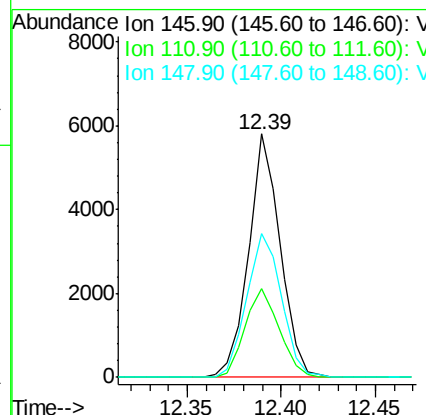
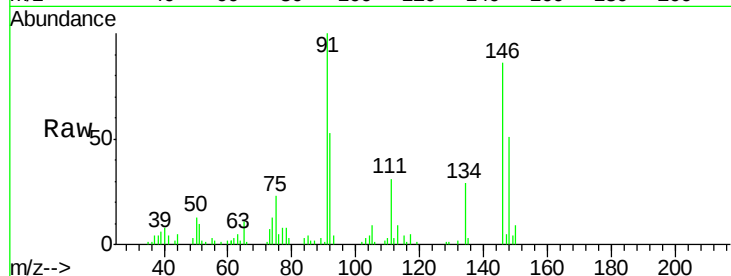




#91
 1,2-Dichlorobenzene
 Concen: 0.728 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

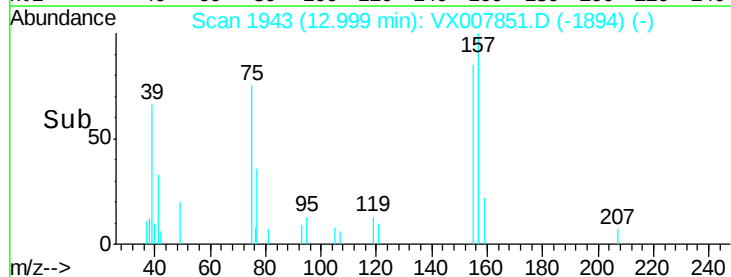
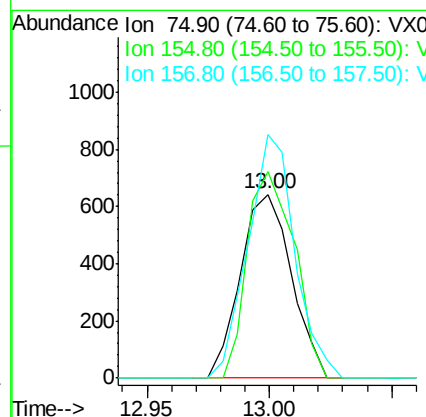
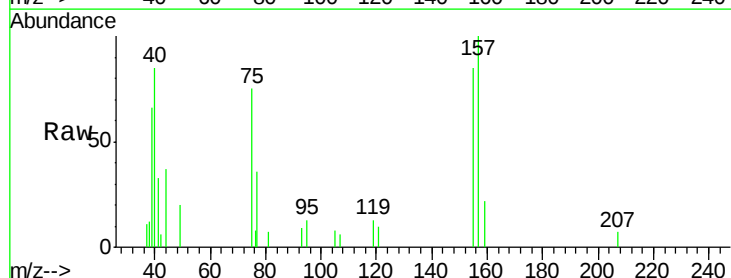
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

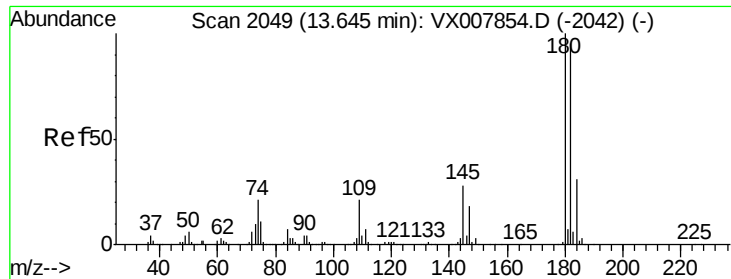
Tgt Ion: 146 Resp: 6762
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.6 58.8
 148 64.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.674 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 75 Resp: 936
 Ion Ratio Lower Upper
 75 100
 155 103.8 49.7 149.1
 157 122.1 63.8 191.4

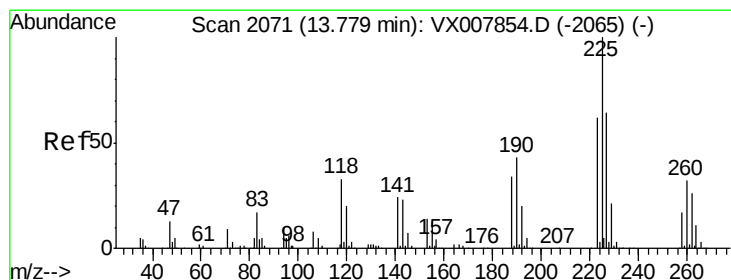
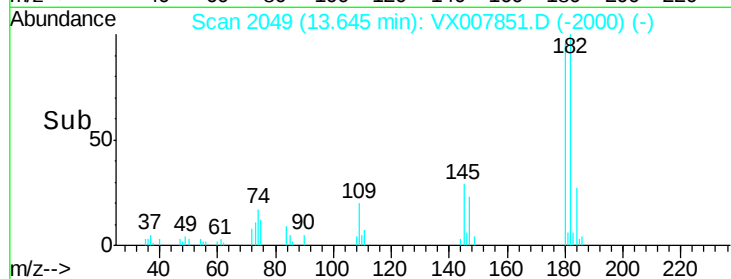
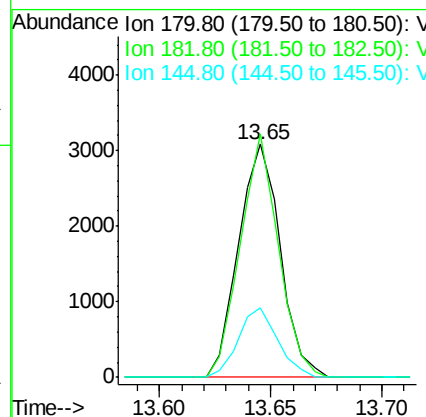
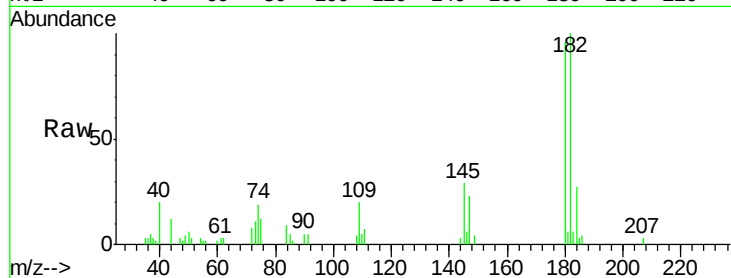




#93
 1,2,4-Trichlorobenzene
 Concen: 0.617 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

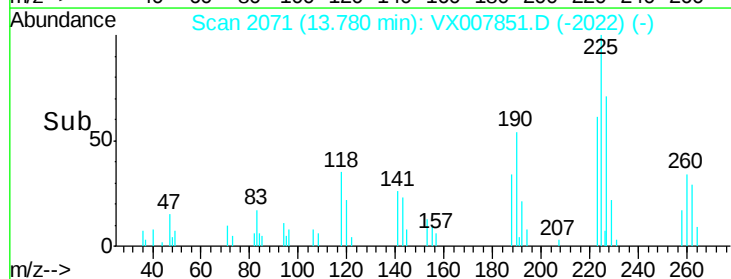
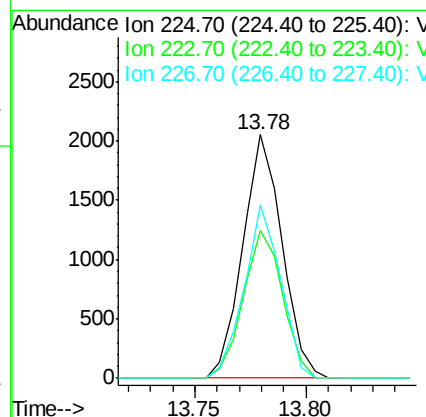
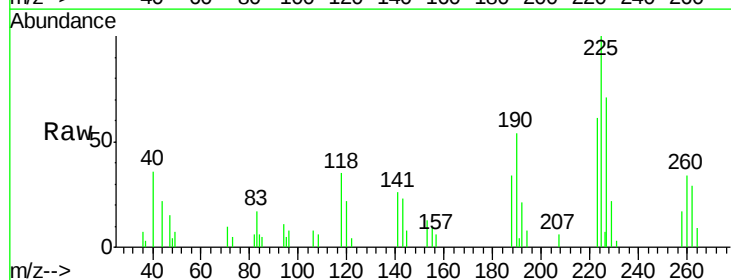
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

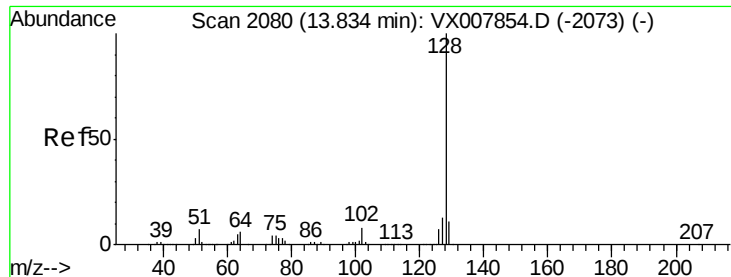
Tgt Ion:180 Resp: 4025
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.7
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 0.742 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion:225 Resp: 2530
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.1 93.2
 227 66.1 32.0 96.0

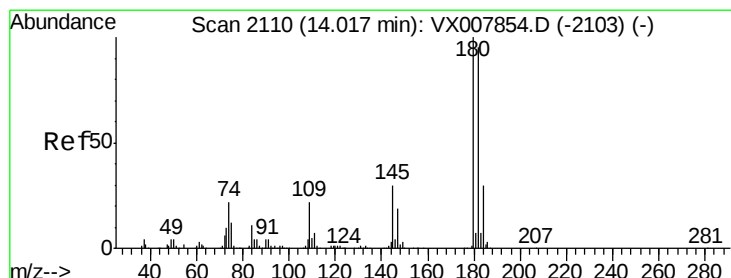
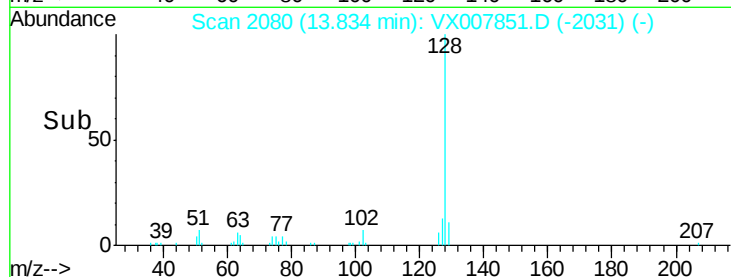
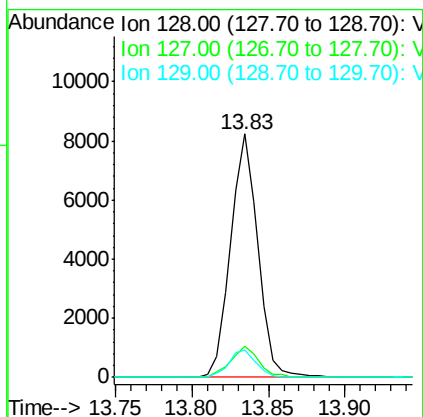
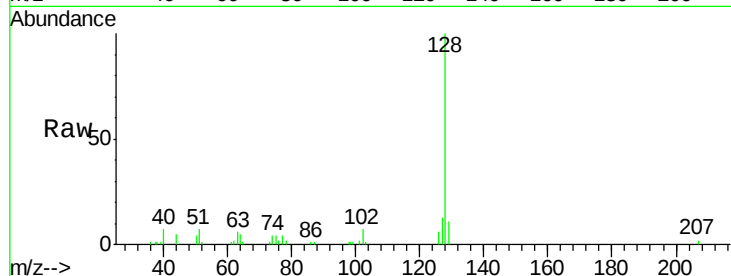




#95
Naphthalene
Concen: 0.539 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 10138
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.627 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion:180 Resp: 4073
Ion Ratio Lower Upper
180 100
182 93.3 47.5 142.5
145 31.0 14.8 44.3

