

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
 Data File : VX008330.D
 Acq On : 22 Mar 2019 10:58
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 22 15:27:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	39127	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	213436	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	188782	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	80806	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%
60) 4-Bromofluorobenzene	11.13	95	90074	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	8.71	98	256498	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10947	5.214 ug/l	100
3) Chloromethane	1.33	50	11290	5.260 ug/l	94
4) Vinyl Chloride	1.41	62	12875	5.322 ug/l	98
5) Bromomethane	1.64	94	26746	6.099 ug/l	100
6) Chloroethane	1.72	64	7893	4.591 ug/l	95
7) Trichlorofluoromethane	1.93	101	21283	5.526 ug/l	95
8) Diethyl Ether	2.19	74	8291	5.551 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12501	5.869 ug/l	96
10) 1,1-Dichloroethene	2.37	96	11384	5.415 ug/l	98
11) Methyl Iodide	2.51	142	15845	4.986 ug/l	99
12) Methyl Acetate	2.78	43	12294	5.359 ug/l	95
13) Acrolein	2.29	56	8065	22.441 ug/l	95
14) Acrylonitrile	3.14	53	29704	26.091 ug/l	98
15) Acetone	2.44	58	11703	26.214 ug/l	89
16) Carbon Disulfide	2.57	76	32097	5.506 ug/l	98
17) Allyl chloride	2.73	41	16249	5.238 ug/l	97
18) Methylene Chloride	2.85	84	12747	5.632 ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	12259	5.493 ug/l	91
20) Diisopropyl ether	3.86	45	34395	5.302 ug/l	96
21) 1,1-Dichloroethane	3.70	63	20734	5.412 ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	13822	5.370 ug/l	98
23) tert-Butyl Alcohol	3.04	59	11538	24.964 ug/l	# 99
24) Methyl tert-Butyl Ether	3.20	73	35333	5.231 ug/l	97
25) Chloroform	5.20	83	22259	5.477 ug/l	89
26) Cyclohexane	5.58	56	18067	5.333 ug/l	# 96
29) 1,1-Dichloropropene	5.80	75	16096	5.310 ug/l	96
30) 2-Butanone	4.67	43	44573	25.528 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	18679	5.237 ug/l	94
33) Carbon Tetrachloride	5.78	117	17010	5.193 ug/l	95
34) Benzene	6.14	78	47372	5.246 ug/l	98
35) Methacrylonitrile	5.04	41	8410	5.171 ug/l	96
36) 1,2-Dichloroethane	6.20	62	18568	5.579 ug/l	# 91
37) Trichloroethene	7.21	130	14601	5.500 ug/l	91
38) Methylcyclohexane	7.46	83	20251	5.330 ug/l	98
39) 1,2-Dichloropropane	7.51	63	12004	5.224 ug/l	97
40) Dibromomethane	7.66	93	8665	5.142 ug/l	95
41) Bromodichloromethane	7.90	83	16075	5.027 ug/l	# 95

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Quant Time: Mar 22 15:27:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.81	43	146604	24.981	ug/l	99
43) Ethyl Acetate	4.84	43	16252	5.270	ug/l #	89
44) Isopropyl Acetate	6.44	43	23932	4.934	ug/l #	75
45) 1,4-Dioxane	7.74	88	6396	104.840	ug/l #	92
46) Methyl methacrylate	7.76	41	11957	5.024	ug/l	93
47) n-amyl Acetate	10.90	43	18838	4.530	ug/l	92
48) t-1,3-Dichloropropene	9.04	75	14536	4.540	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	16482	4.614	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	13114	5.417	ug/l	96
51) Ethyl methacrylate	9.18	69	15784	4.466	ug/l	95
52) 1,3-Dichloropropane	9.37	76	20704	5.332	ug/l	99
53) Dibromochloromethane	9.58	129	13035	4.776	ug/l	97
54) 1,2-Dibromoethane	9.67	107	13738	5.172	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	42828	24.085	ug/l	99
56) Bromoform	10.85	173	9912	4.601	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	79871	25.128	ug/l	97
59) 2-Hexanone	9.49	43	62182	24.731	ug/l	98
61) Tetrachloroethene	9.34	164	14172	5.577	ug/l	96
62) Toluene	8.78	91	52221	5.211	ug/l	97
64) Chlorobenzene	10.13	112	35394	5.479	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	12360	5.010	ug/l	99
66) Ethyl Benzene	10.25	91	55125	5.087	ug/l	97
67) m/p-Xylenes	10.36	106	44323	10.291	ug/l	99
68) o-Xylene	10.69	106	21144	5.110	ug/l	99
69) Styrene	10.71	104	33194	4.752	ug/l	97
70) Isopropylbenzene	11.02	105	55565	5.104	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	19652	5.294	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	19481	6.287	ug/l	94
73) Bromobenzene	11.26	156	15599	5.179	ug/l	100
74) n-propylbenzene	11.36	91	61814	5.094	ug/l	99
75) 2-Chlorotoluene	11.42	91	37829	5.220	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	46701	5.022	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	3997	3.773	ug/l	94
78) 4-Chlorotoluene	11.51	91	44167	5.179	ug/l	98
79) tert-butylbenzene	12.06	119	48138	4.921	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	46537	5.036	ug/l	99
81) sec-Butylbenzene	11.94	105	56538	5.330	ug/l	99
82) p-Isopropyltoluene	12.06	119	48138	4.921	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	27124	5.188	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	26698	5.128	ug/l	96
85) n-Butylbenzene	12.39	91	40352	4.795	ug/l	99
86) Hexachloroethane	12.60	117	8213	4.871	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	26448	5.130	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	4199	4.941	ug/l	81
89) 1,2,4-Trichlorobenzene	13.65	180	17429	4.777	ug/l	97
90) Hexachlorobutadiene	13.78	225	9353	5.092	ug/l	96
91) Naphthalene	13.83	128	48923	4.464	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	17811	4.828	ug/l	96

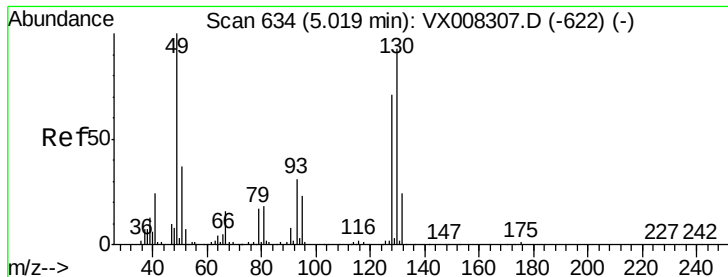
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
Data File : VX008330.D
Acq On : 22 Mar 2019 10:58
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Mar 22 15:27:36 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 22 13:03:05 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

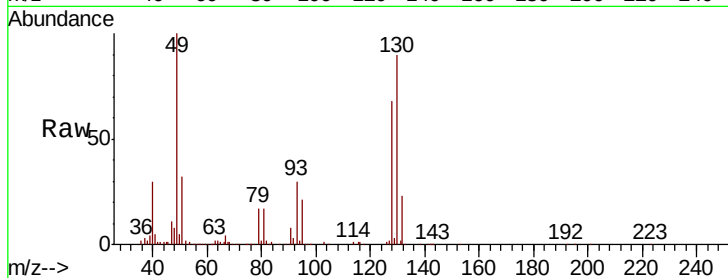
Tgt Ion:128 Resp: 39127

Ion Ratio Lower Upper

128 100

49 138.7 0.0 350.8

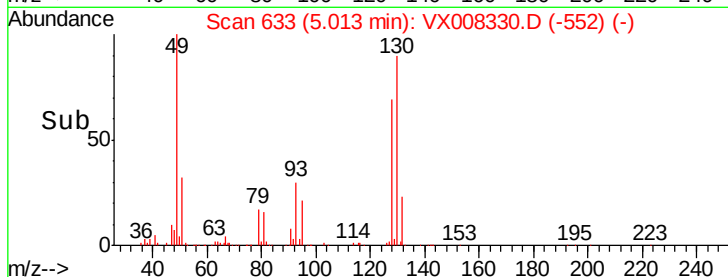
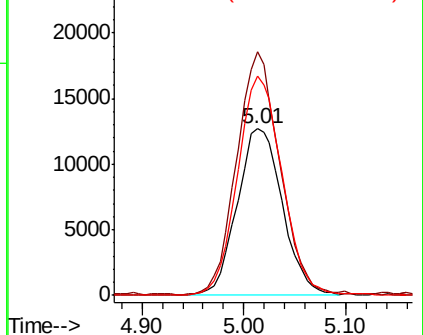
130 129.4 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.214 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008330.D

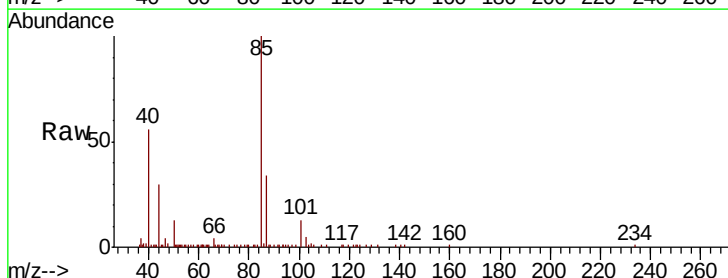
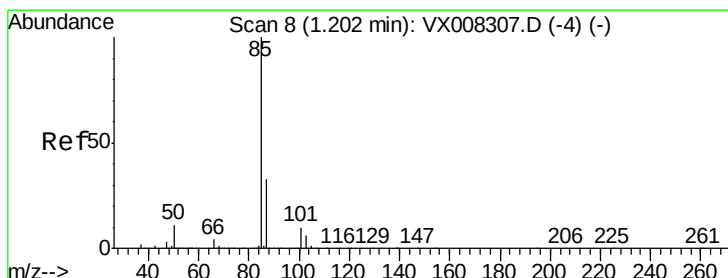
Acq: 22 Mar 2019 10:58

Tgt Ion: 85 Resp: 10947

Ion Ratio Lower Upper

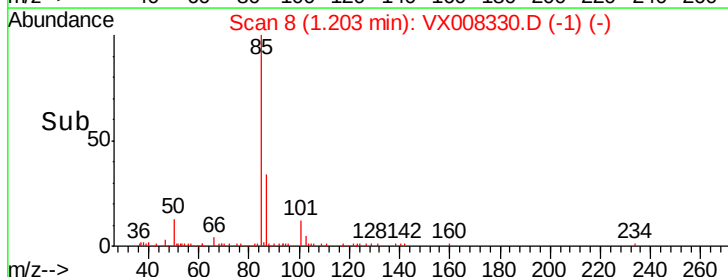
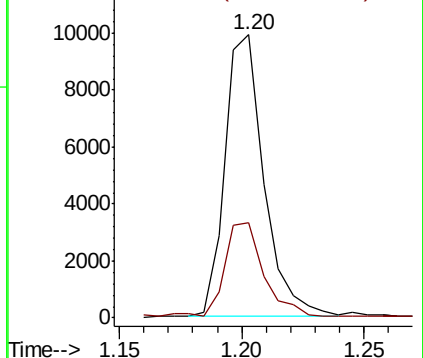
85 100

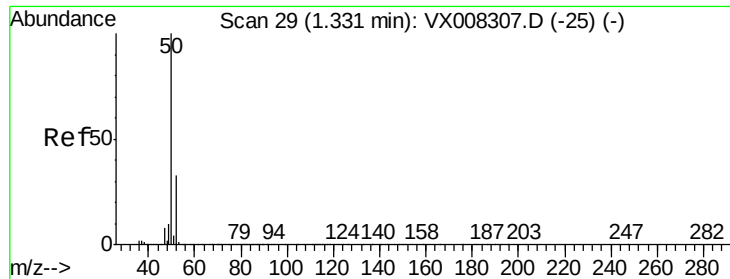
87 33.1 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.260 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

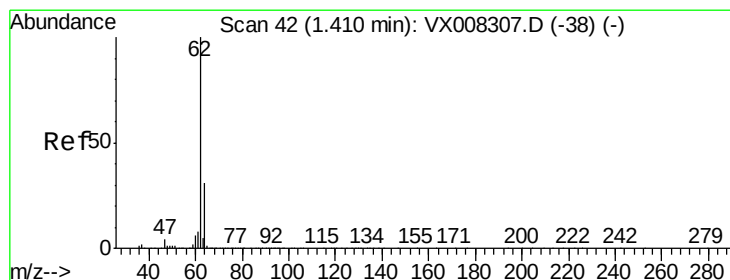
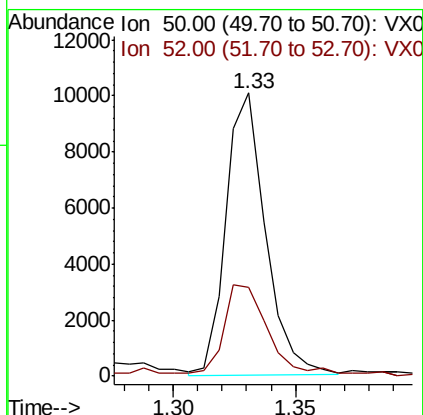
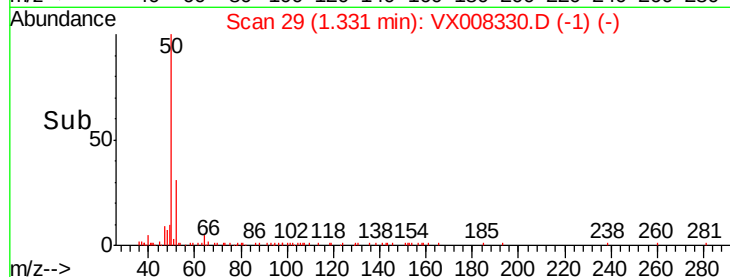
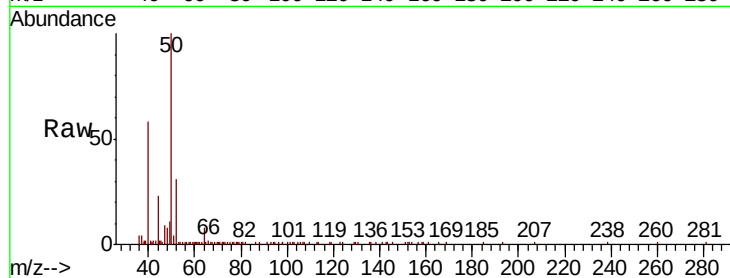
VSTDIC005

Tgt Ion: 50 Resp: 11290

Ion Ratio Lower Upper

50 100

52 30.8 27.5 41.3



#4

Vinyl Chloride

Concen: 5.322 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008330.D

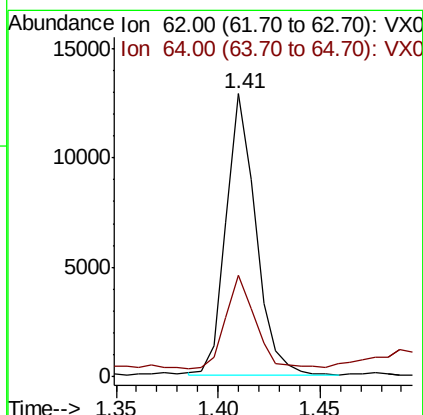
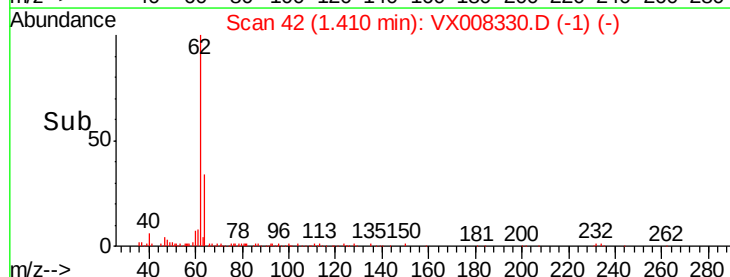
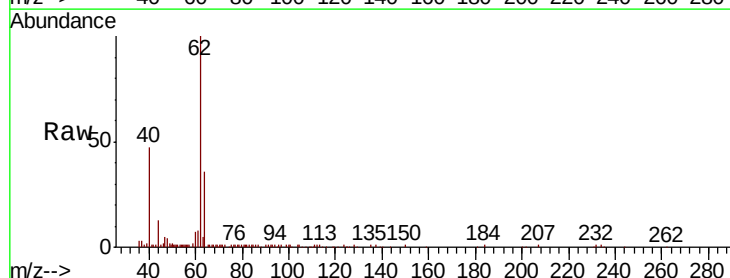
Acq: 22 Mar 2019 10:58

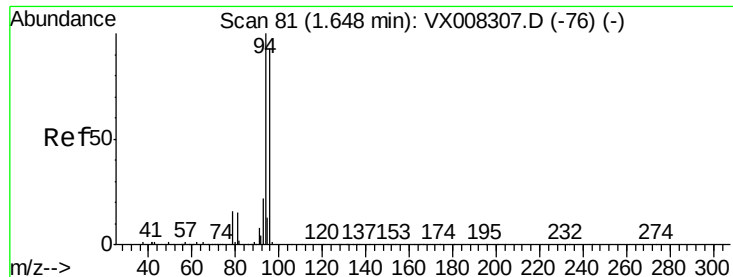
Tgt Ion: 62 Resp: 12875

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9





#5

Bromomethane

Concen: 6.099 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

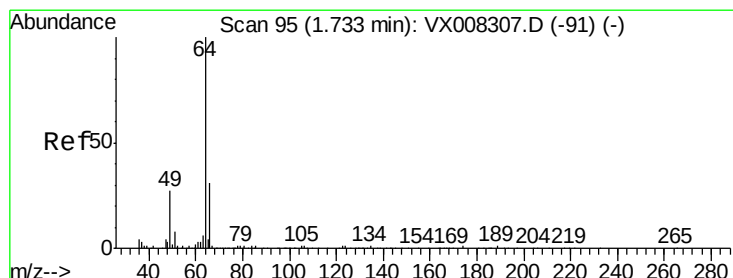
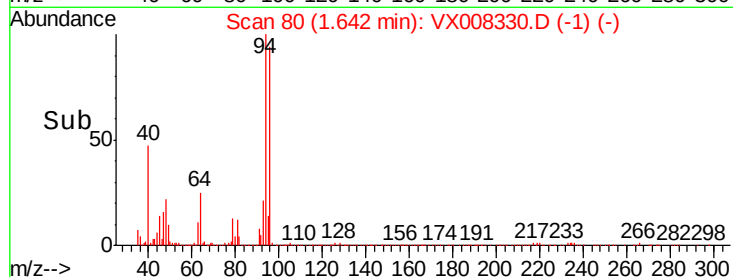
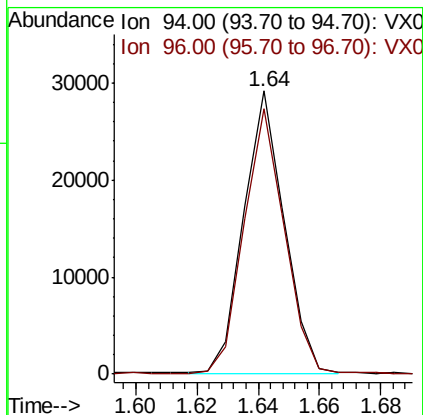
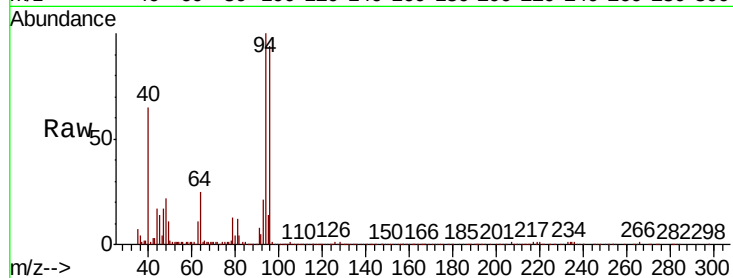
VSTDIC005

Tgt Ion: 94 Resp: 26746

Ion Ratio Lower Upper

94 100

96 94.2 75.6 113.4



#6

Chloroethane

Concen: 4.591 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX008330.D

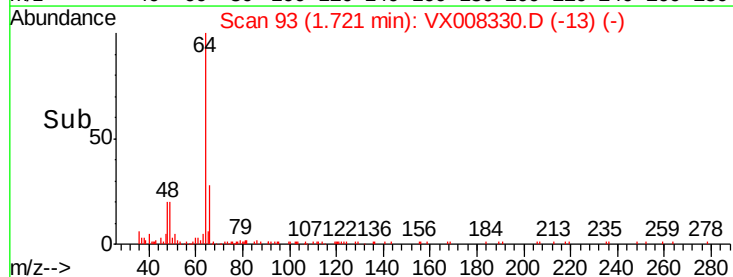
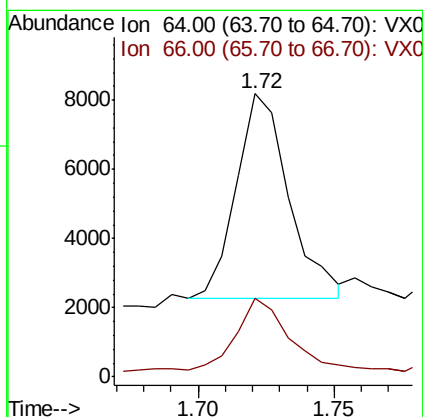
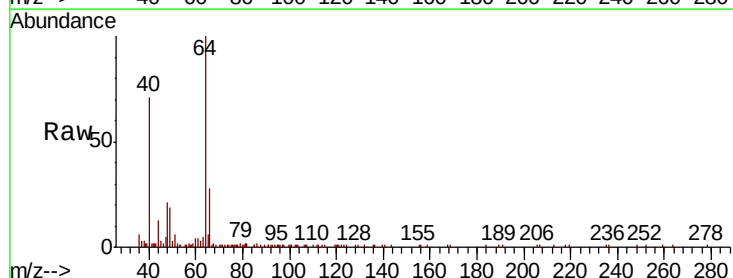
Acq: 22 Mar 2019 10:58

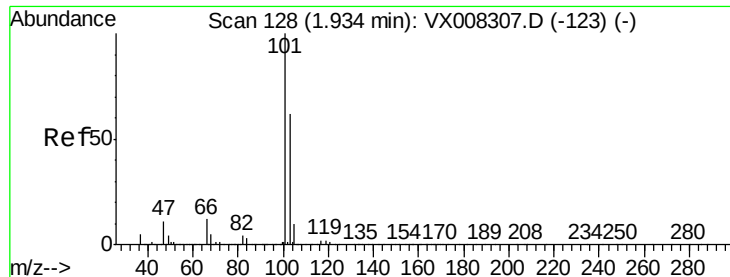
Tgt Ion: 64 Resp: 7893

Ion Ratio Lower Upper

64 100

66 32.7 23.9 35.9



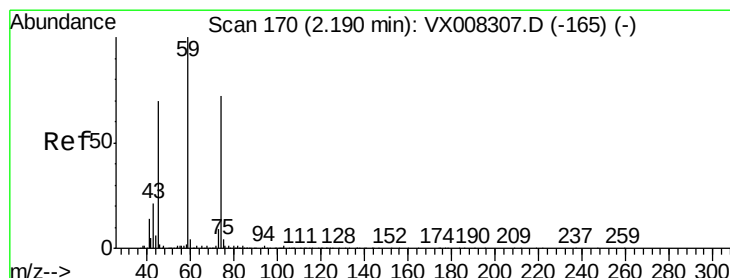
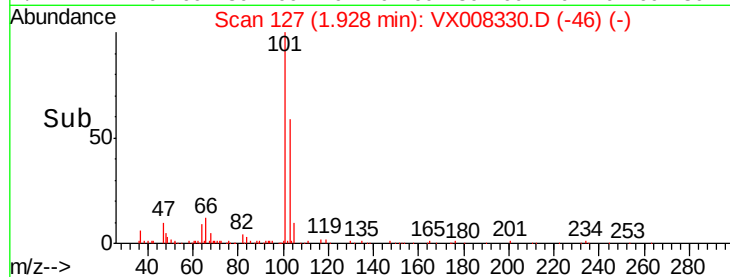
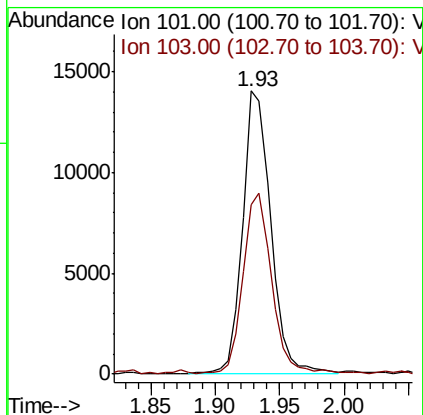
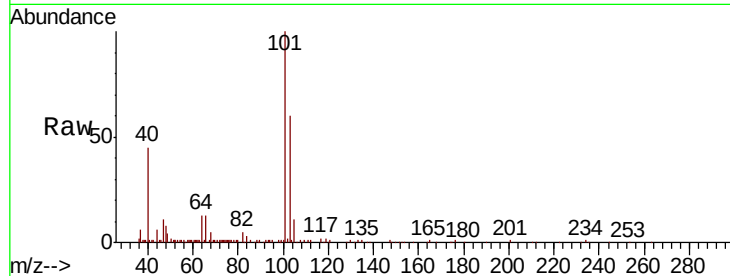


#7

Trichlorofluoromethane
 Concen: 5.526 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

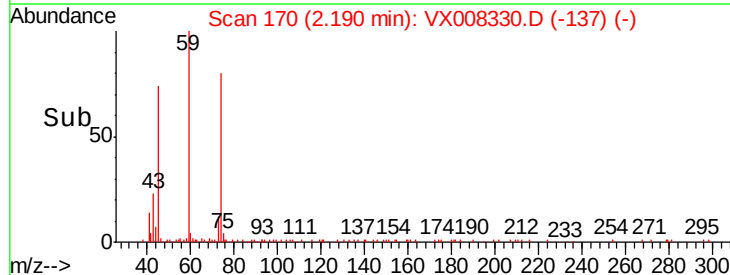
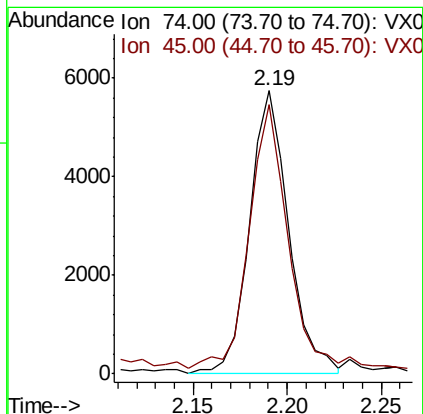
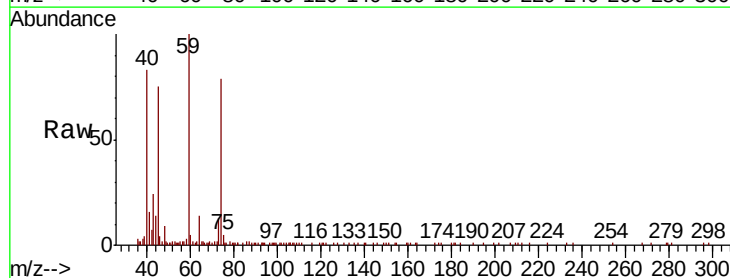
Tgt Ion:101 Resp: 21283
 Ion Ratio Lower Upper
 101 100
 103 59.4 50.4 75.6

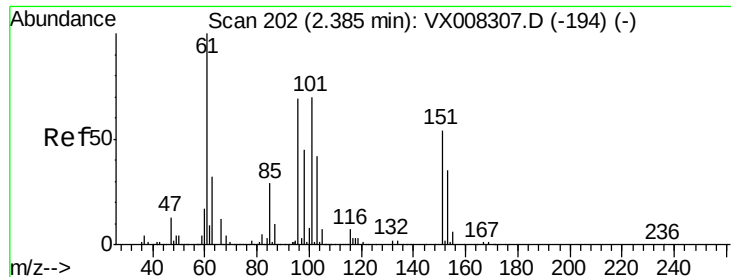


#8

Diethyl Ether
 Concen: 5.551 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 74 Resp: 8291
 Ion Ratio Lower Upper
 74 100
 45 83.3 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.869 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

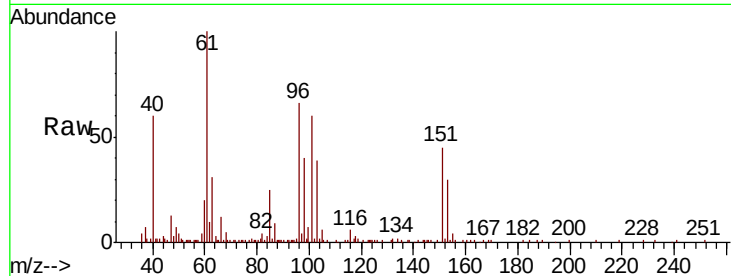
Tgt Ion:101 Resp: 12501

Ion Ratio Lower Upper

101 100

85 45.4 0.0 86.8

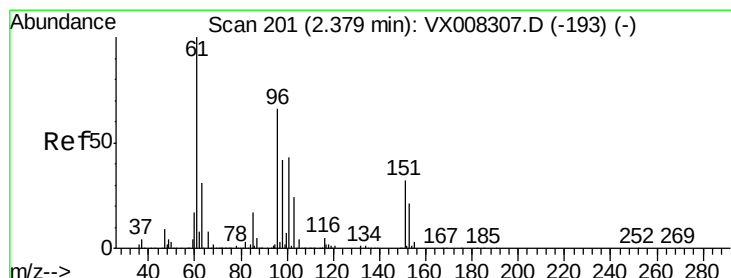
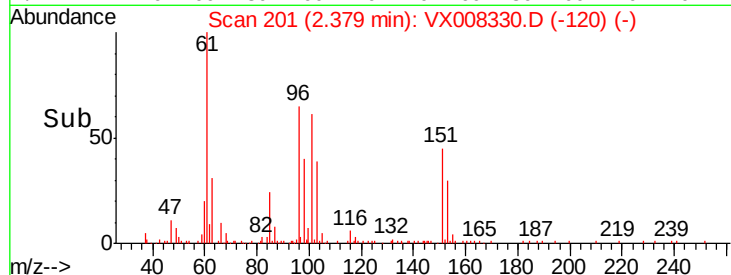
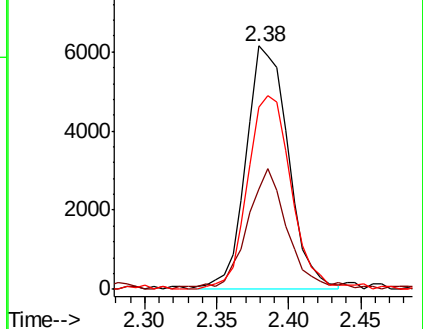
151 80.9 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.415 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

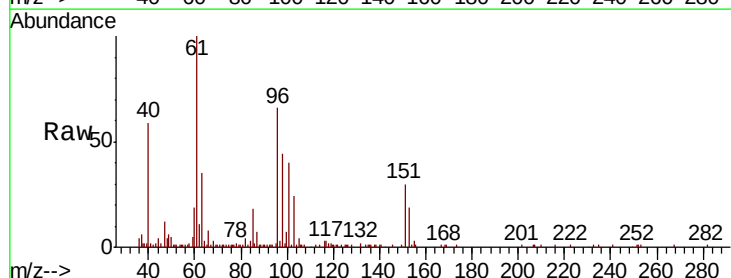
Tgt Ion: 96 Resp: 11384

Ion Ratio Lower Upper

96 100

61 149.1 120.2 180.2

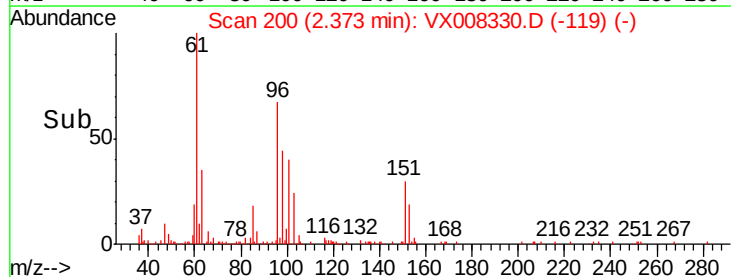
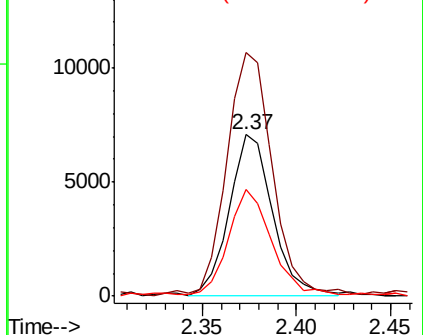
98 65.1 49.0 73.4

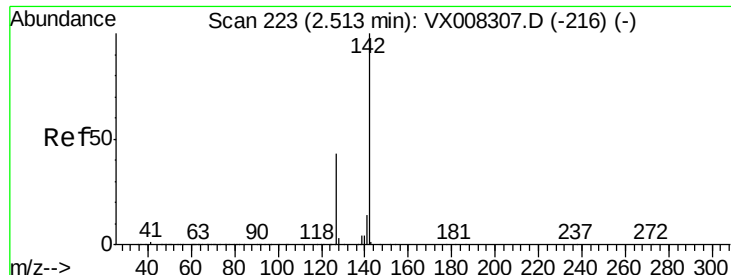


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

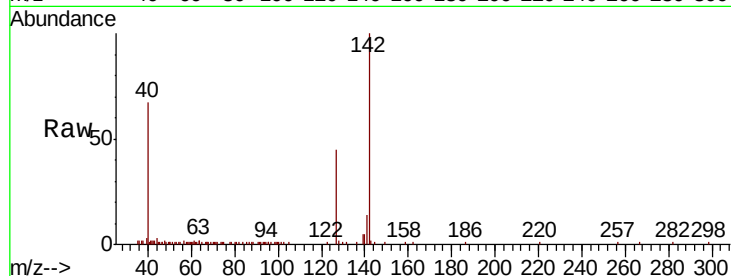




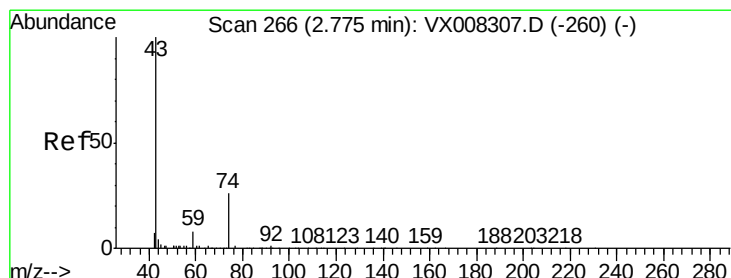
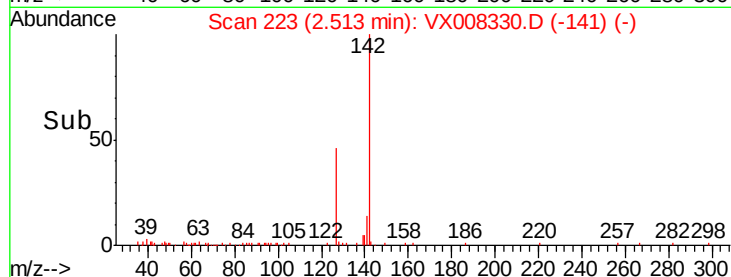
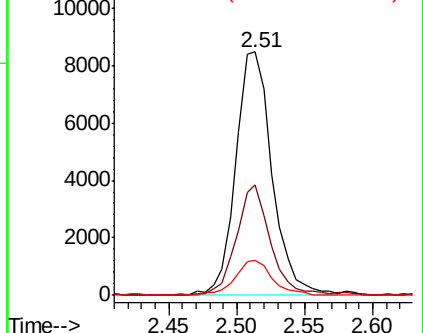
#11
Methyl Iodide
Concen: 4.986 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tgt Ion:142 Resp: 15845
Ion Ratio Lower Upper
142 100
127 45.0 22.1 66.5
141 14.4 7.4 22.3

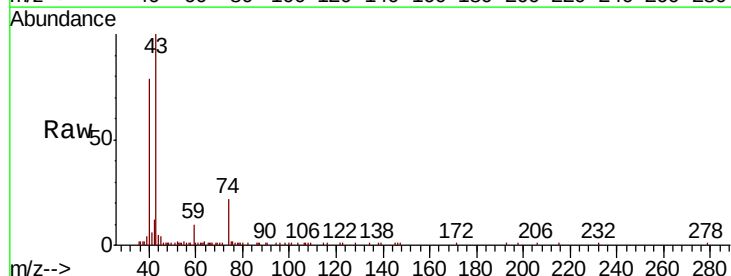


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

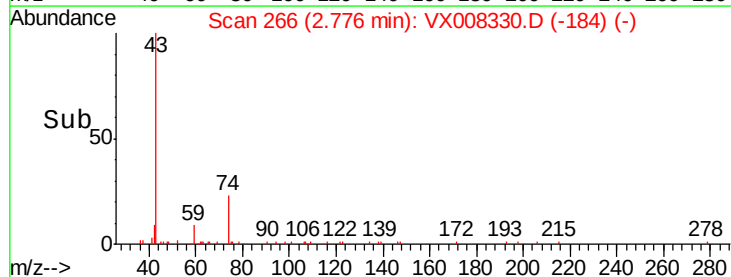
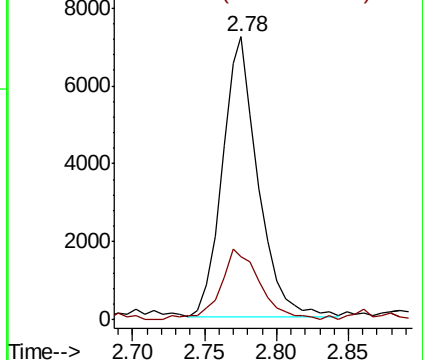


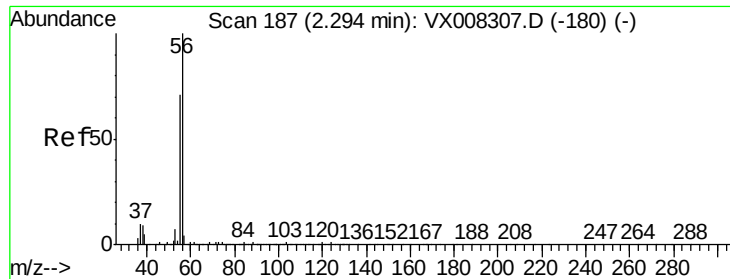
#12
Methyl Acetate
Concen: 5.359 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 43 Resp: 12294
Ion Ratio Lower Upper
43 100
74 21.8 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 22.441 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

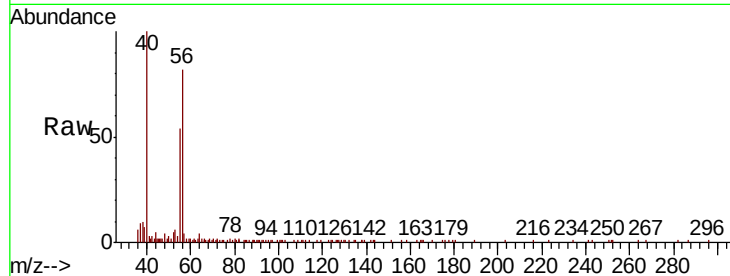
VSTDIC005

Tgt Ion: 56 Resp: 8065

Ion Ratio Lower Upper

56 100

55 68.6 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

6000

5000

4000

3000

2000

1000

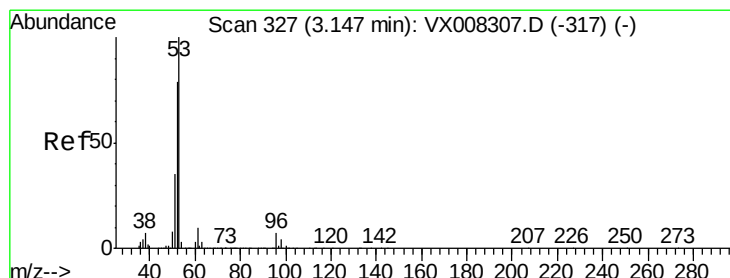
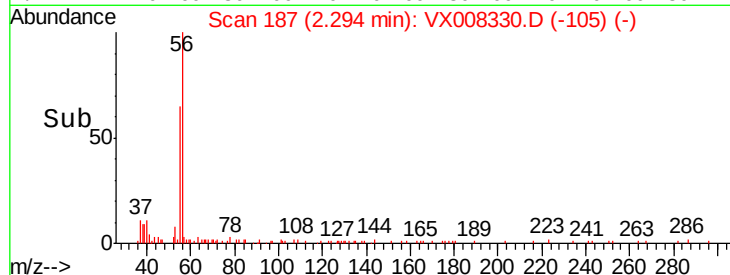
0

Time-->

2.25

2.30

2.35



#14

Acrylonitrile

Concen: 26.091 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

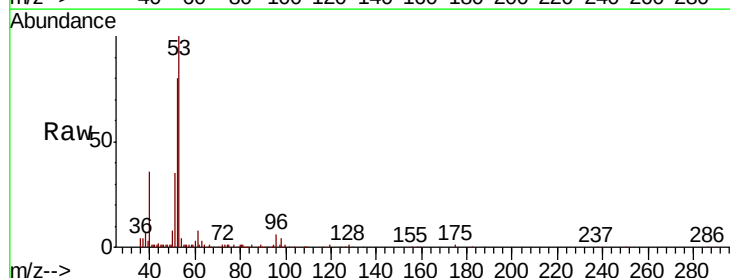
Tgt Ion: 53 Resp: 29704

Ion Ratio Lower Upper

53 100

52 84.1 41.3 124.1

51 36.3 17.5 52.6



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

3.14

20000

15000

10000

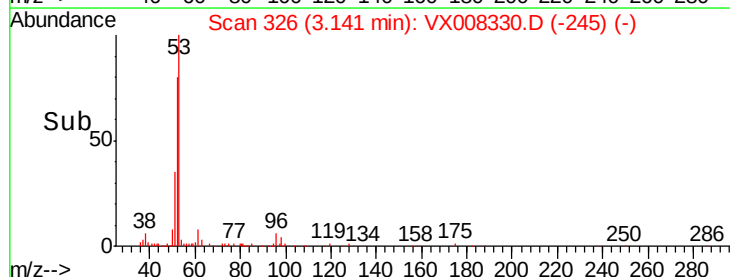
5000

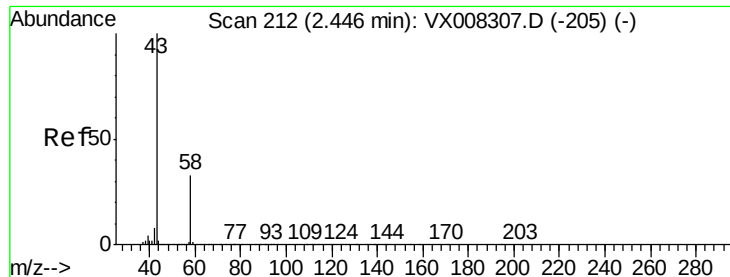
0

Time-->

3.10

3.20





#15

Acetone

Concen: 26.214 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

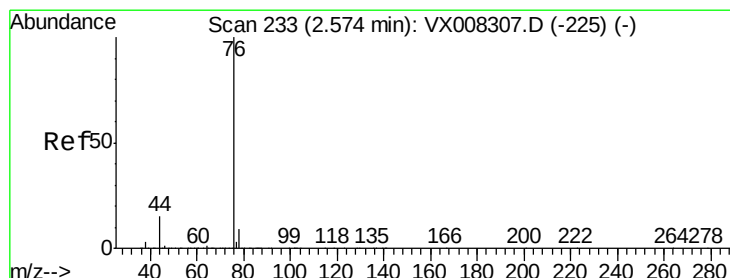
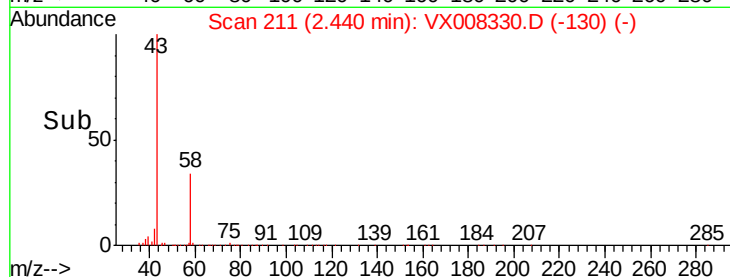
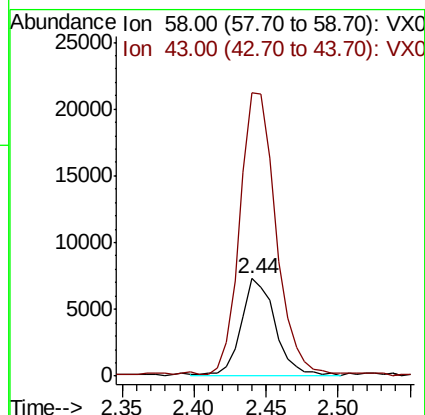
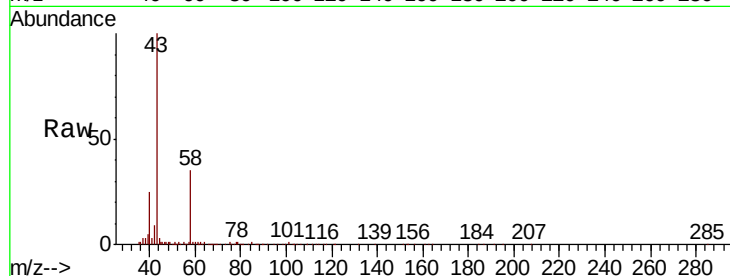
VSTDIC005

Tgt Ion: 58 Resp: 11703

Ion Ratio Lower Upper

58 100

43 289.7 249.8 374.6



#16

Carbon Disulfide

Concen: 5.506 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008330.D

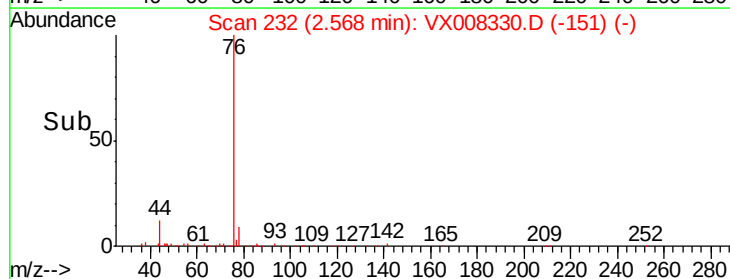
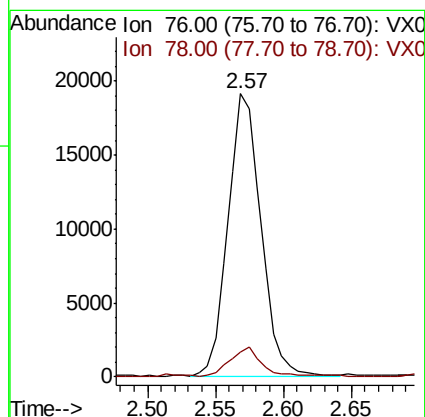
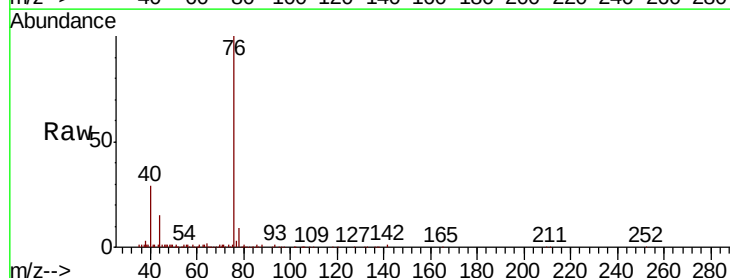
Acq: 22 Mar 2019 10:58

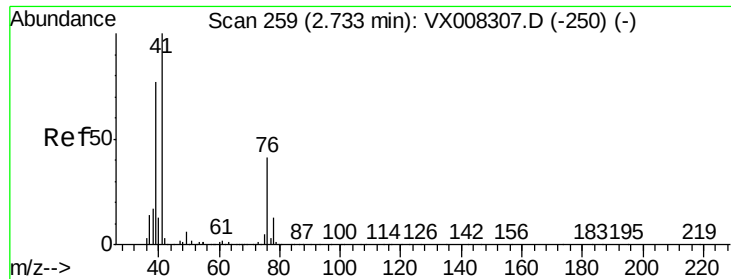
Tgt Ion: 76 Resp: 32097

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

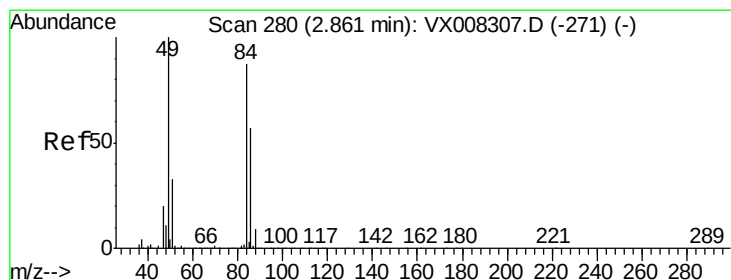
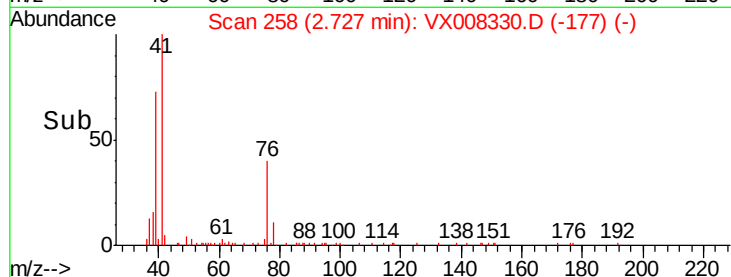
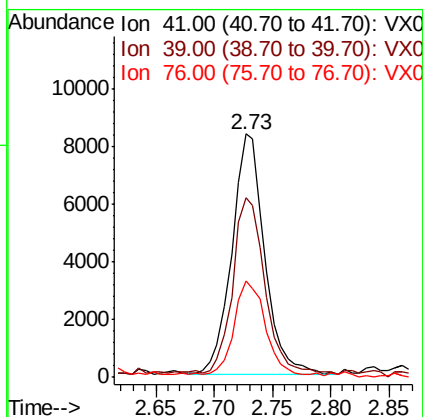
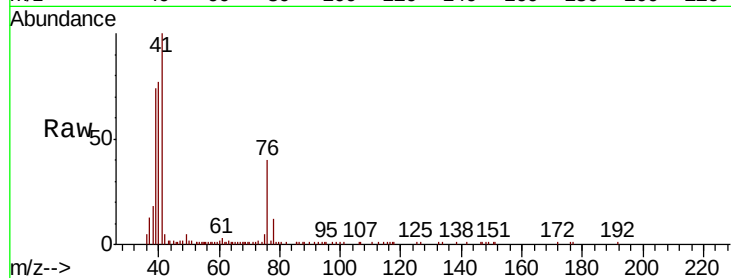




#17
 Allyl chloride
 Concen: 5.238 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

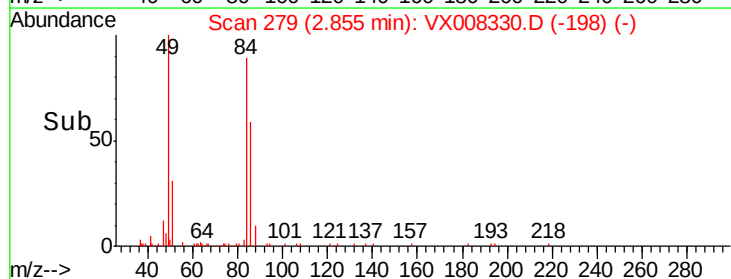
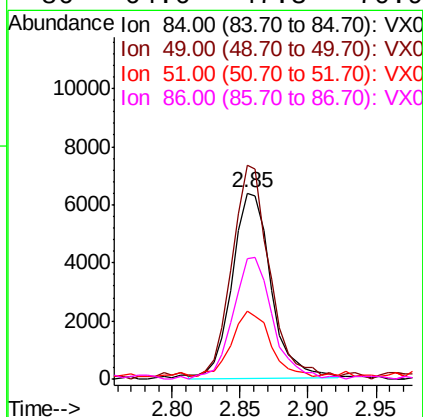
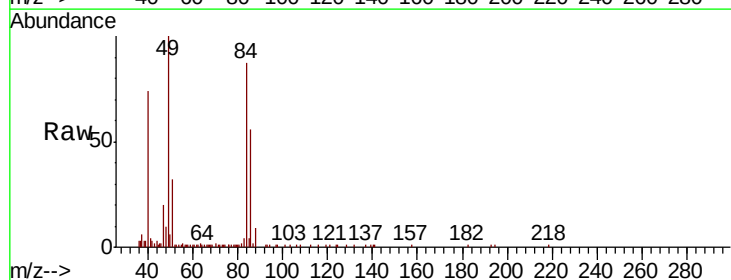
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

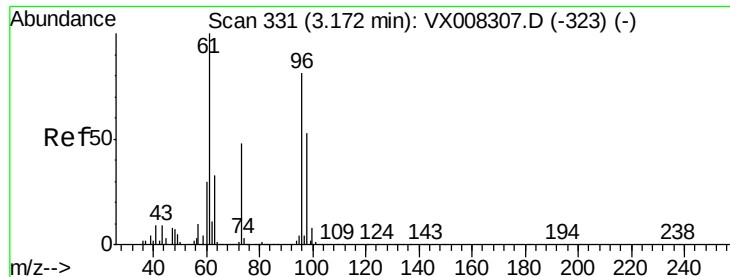
Tgt Ion: 41 Resp: 16249
 Ion Ratio Lower Upper
 41 100
 39 73.2 35.8 107.4
 76 39.1 18.3 54.9



#18
 Methylene Chloride
 Concen: 5.632 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 84 Resp: 12747
 Ion Ratio Lower Upper
 84 100
 49 115.1 96.1 144.1
 51 34.9 29.1 43.7
 86 64.6 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 5.493 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

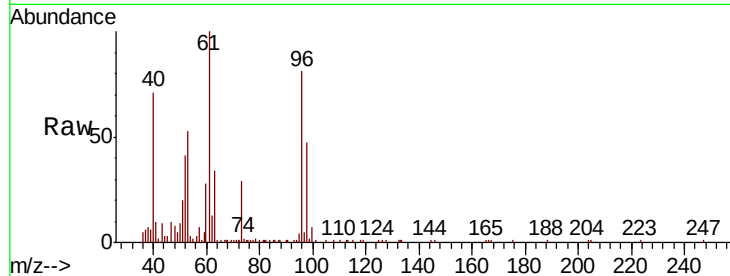
Tgt Ion: 96 Resp: 12259

Ion Ratio Lower Upper

96 100

61 124.0 109.9 164.9

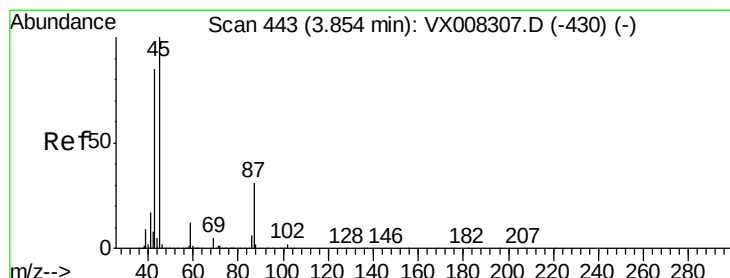
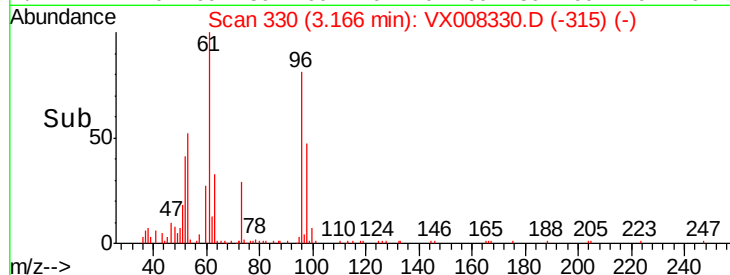
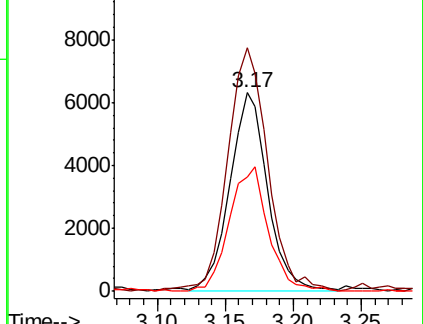
98 58.4 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.302 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion: 45 Resp: 34395

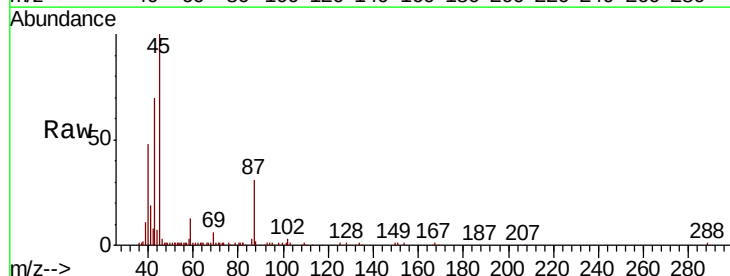
Ion Ratio Lower Upper

45 100

43 68.1 50.6 76.0

87 30.7 24.5 36.7

59 11.9 10.2 15.2

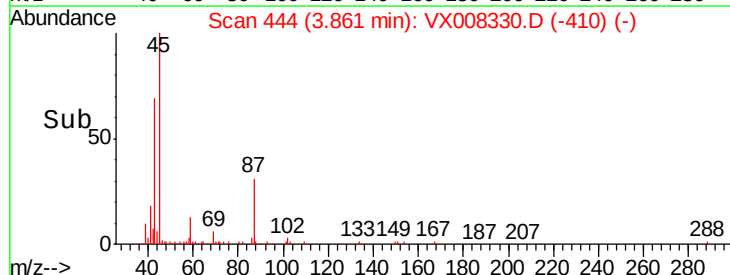
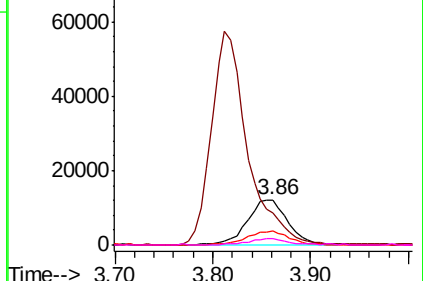


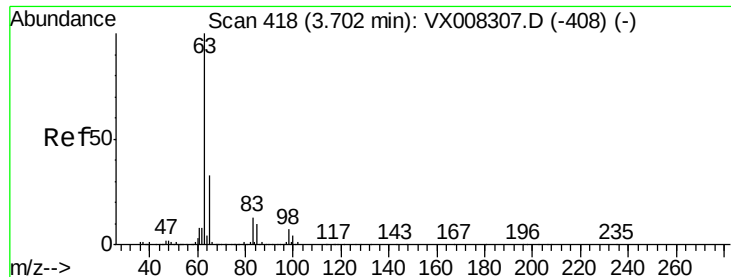
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 5.412 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

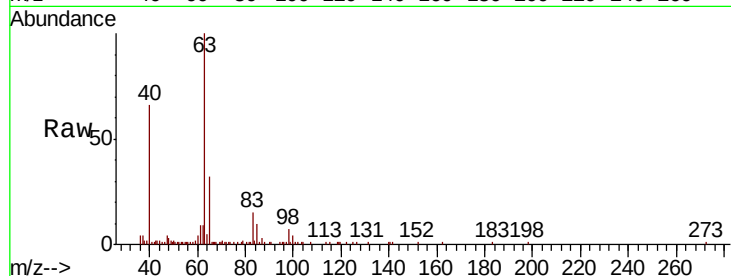
Tgt Ion: 63 Resp: 20734

Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.4

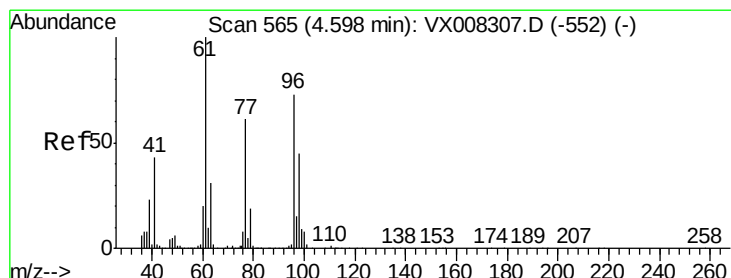
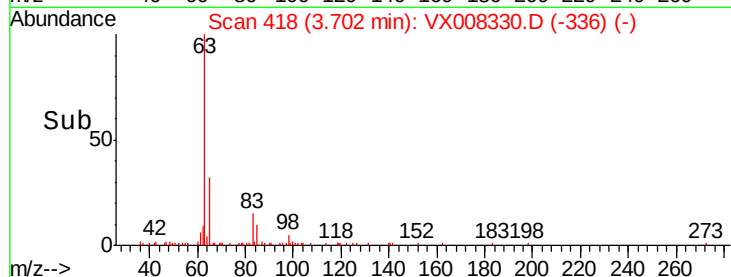
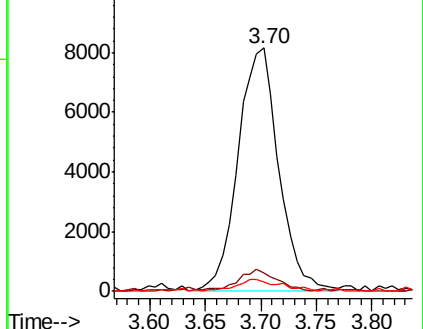
100 3.7 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.370 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

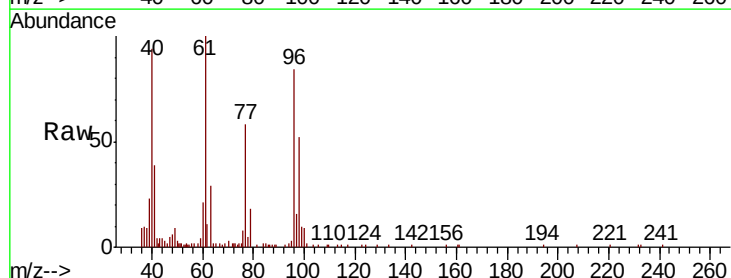
Tgt Ion: 96 Resp: 13822

Ion Ratio Lower Upper

96 100

61 128.5 103.5 155.3

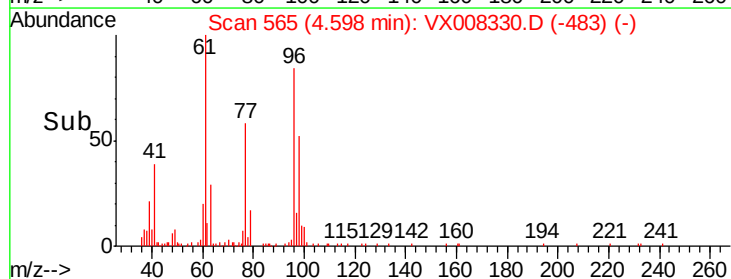
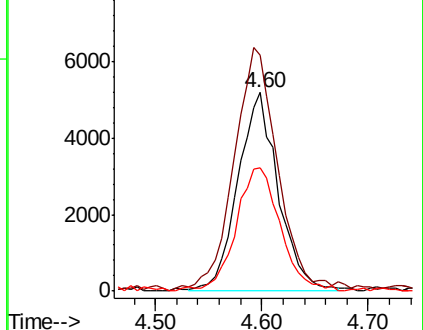
98 67.5 52.1 78.1

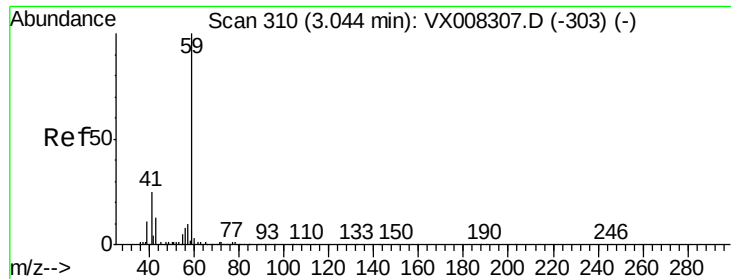


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 24.964 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

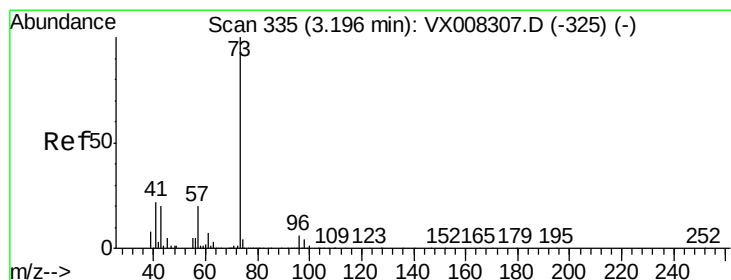
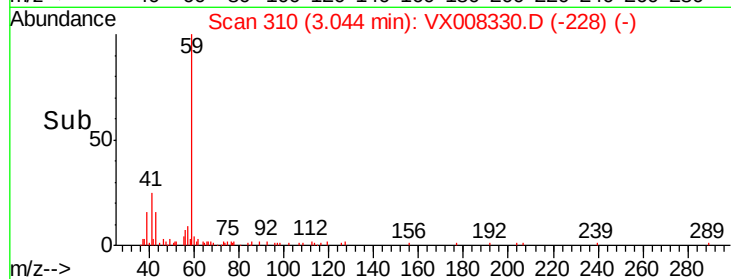
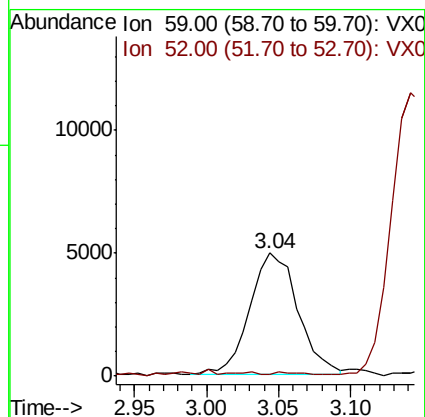
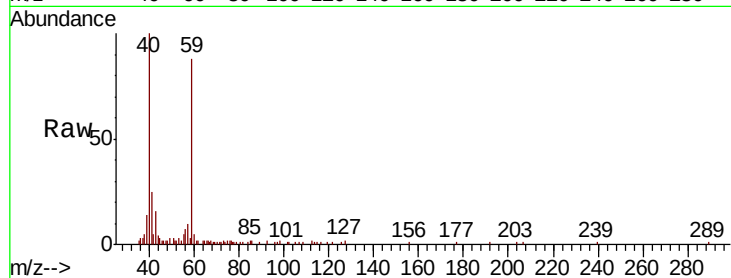
VSTDIC005

Tgt Ion: 59 Resp: 11538

Ion Ratio Lower Upper

59 100

52 1.1 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 5.231 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX008330.D

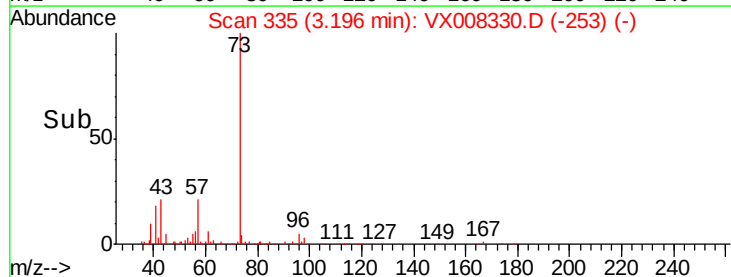
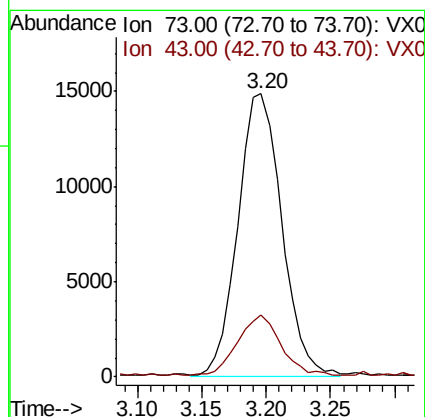
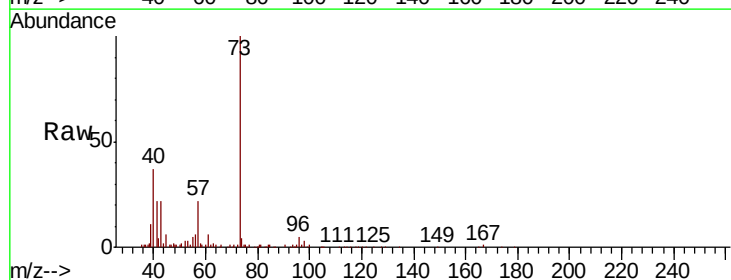
Acq: 22 Mar 2019 10:58

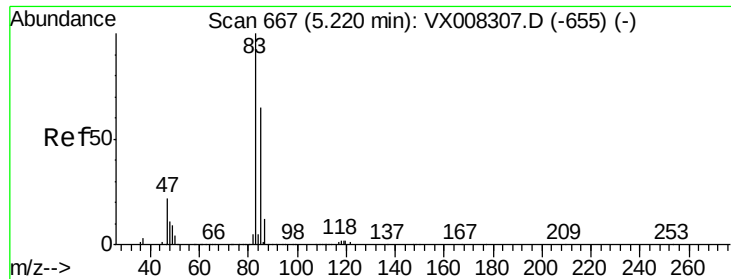
Tgt Ion: 73 Resp: 35333

Ion Ratio Lower Upper

73 100

43 20.1 17.1 25.7





#25

Chloroform

Concen: 5.477 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.02 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

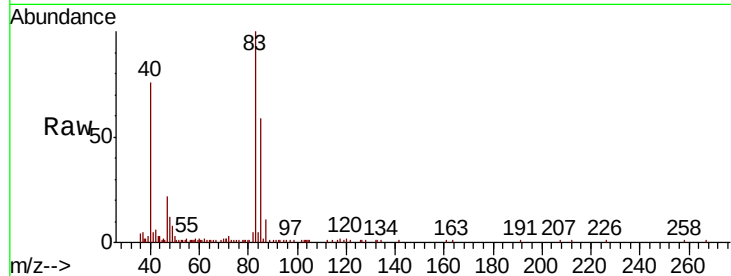
VSTDIC005

Tgt Ion: 83 Resp: 22259

Ion Ratio Lower Upper

83 100

85 58.0 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

8000

6000

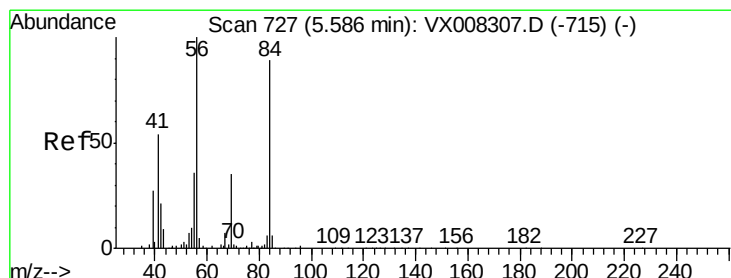
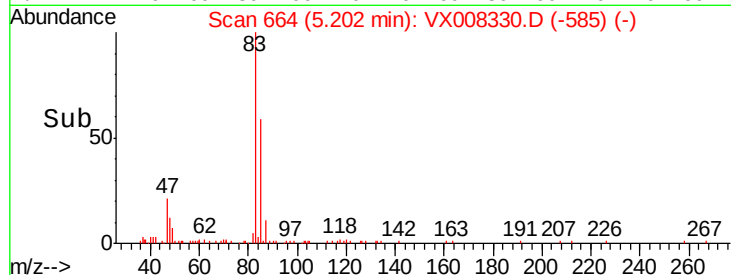
4000

2000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 5.333 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

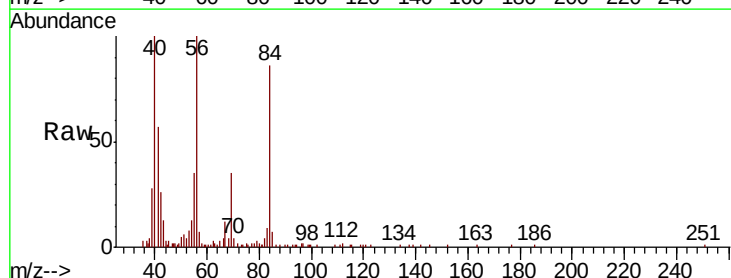
Tgt Ion: 56 Resp: 18067

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 96.3 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

8000

6000

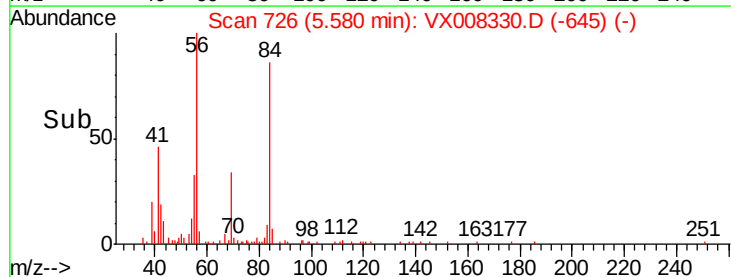
4000

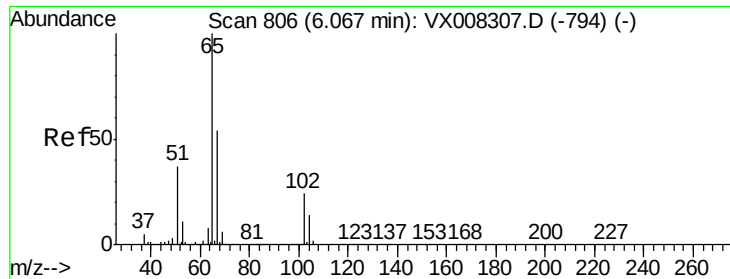
2000

0

5.50 5.55 5.60 5.65

Time-->

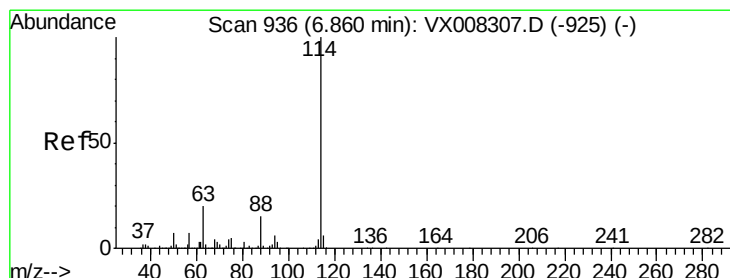
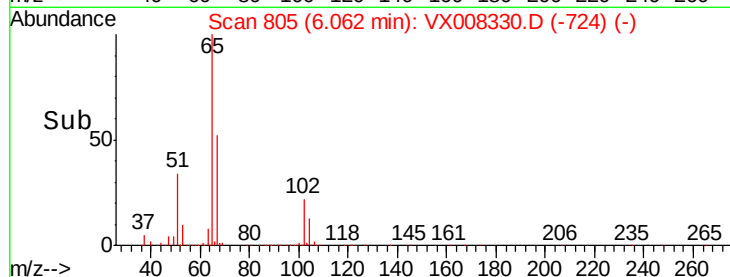
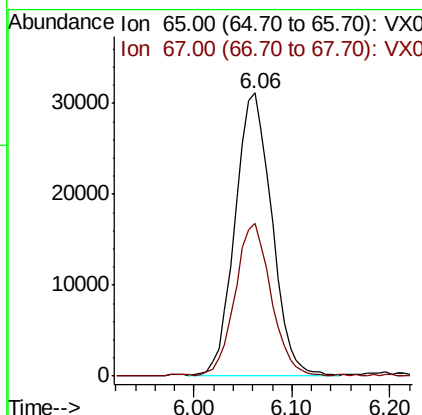
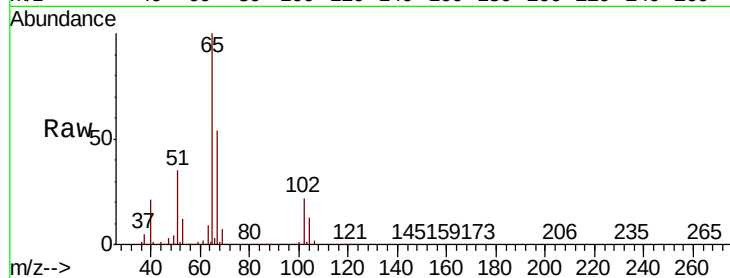




#27
 1,2-Dichloroethane-d4
 Concen: 30.222 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

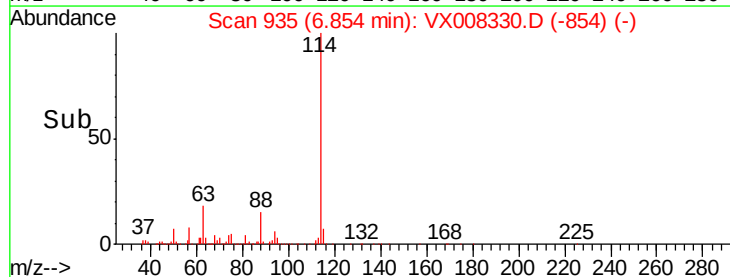
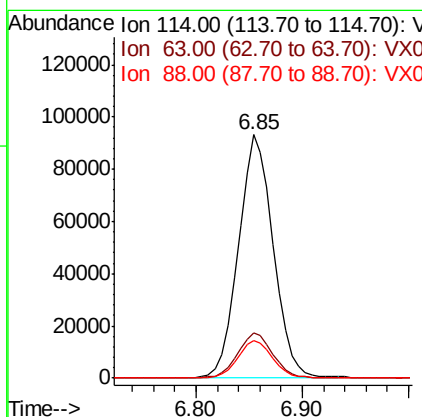
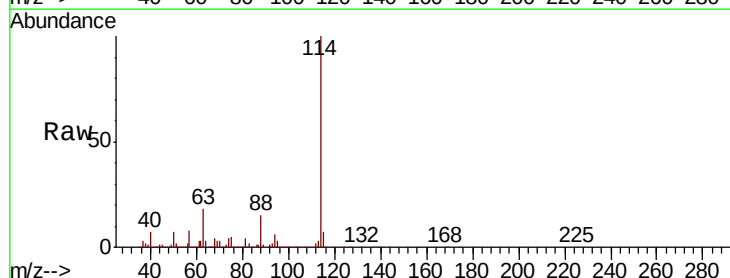
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

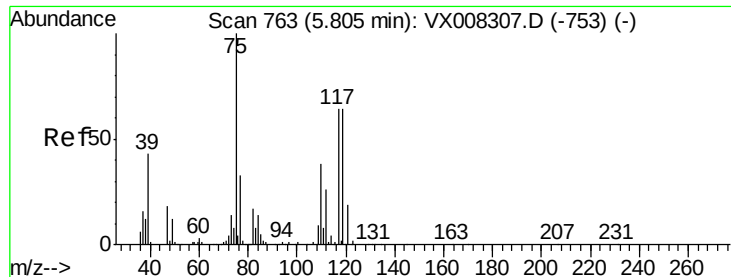
Tgt Ion: 65 Resp: 80806
 Ion Ratio Lower Upper
 65 100
 67 52.6 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 114 Resp: 213436
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.2 21.4
 88 15.6 11.9 17.9





#29

1,1-Dichloropropene

Concen: 5.310 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

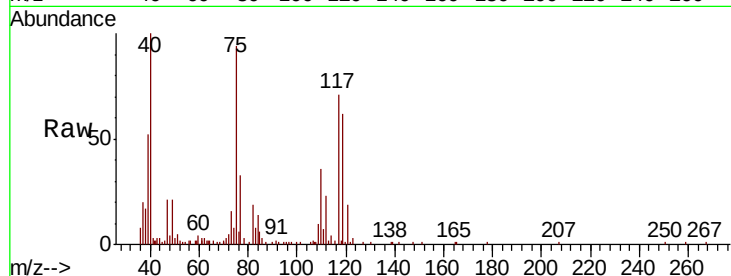
Tgt Ion: 75 Resp: 16096

Ion Ratio Lower Upper

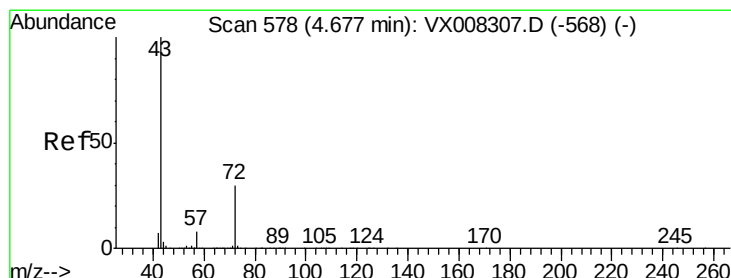
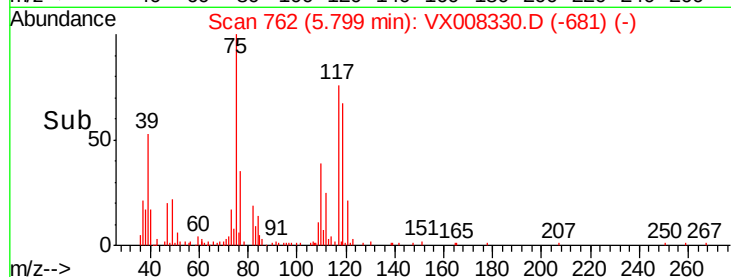
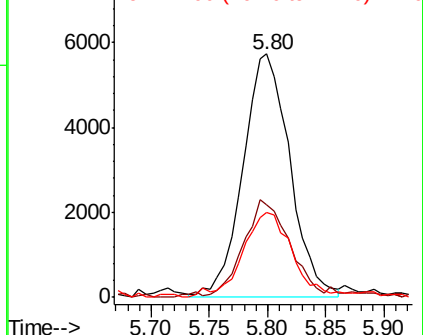
75 100

110 39.0 0.0 80.8

77 34.0 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 25.528 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

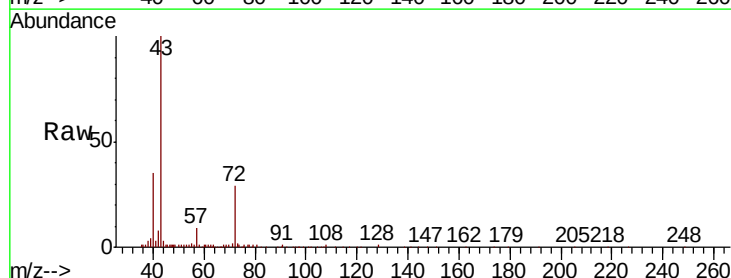
Tgt Ion: 43 Resp: 44573

Ion Ratio Lower Upper

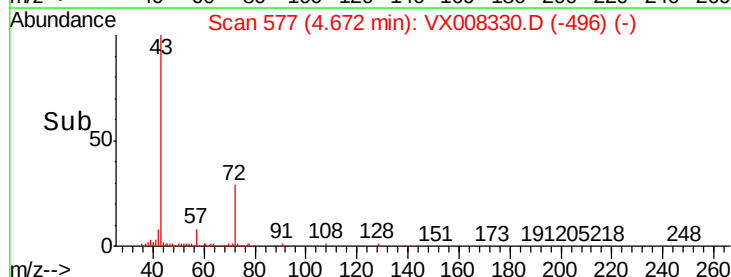
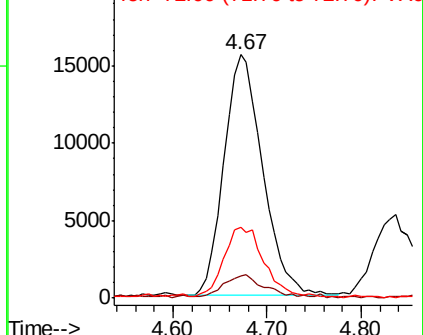
43 100

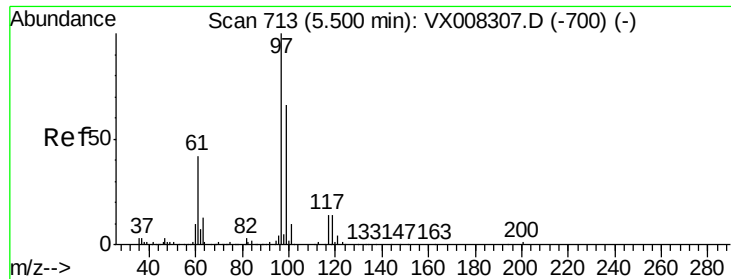
57 9.1 7.0 10.6

72 28.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#32

1,1,1-Trichloroethane

Concen: 5.237 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

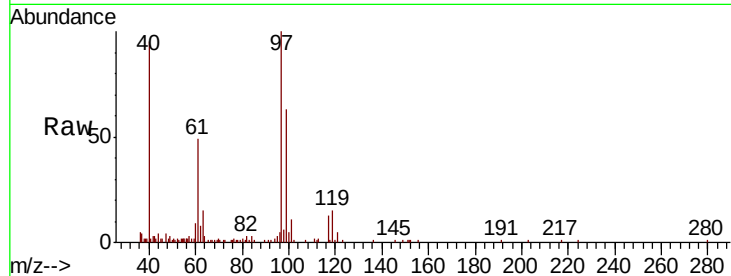
Tgt Ion: 97 Resp: 18679

Ion Ratio Lower Upper

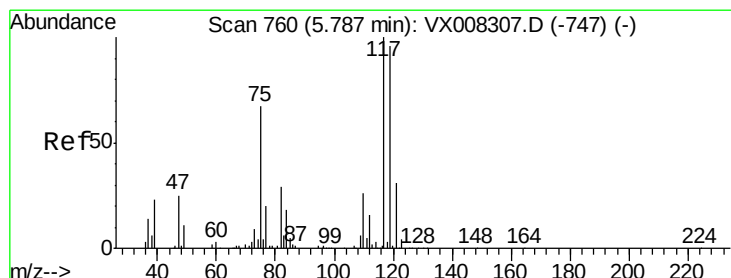
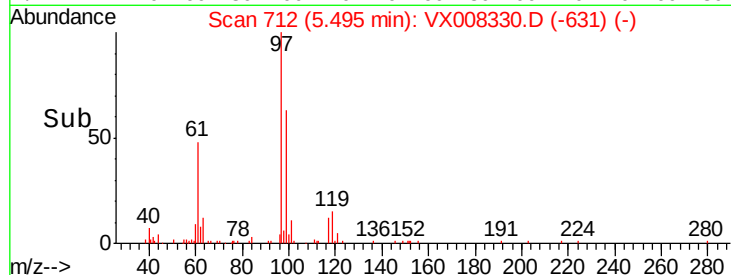
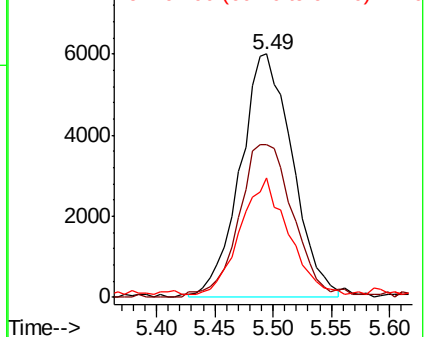
97 100

99 60.0 51.7 77.5

61 45.2 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 5.193 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

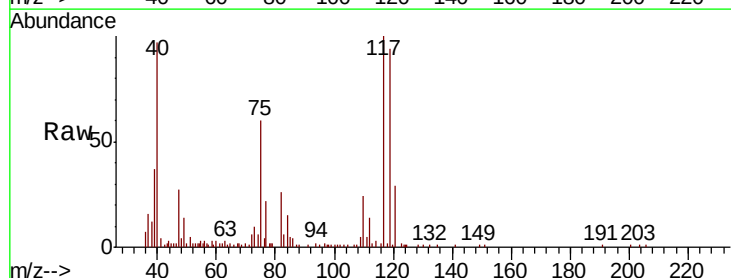
Tgt Ion: 117 Resp: 17010

Ion Ratio Lower Upper

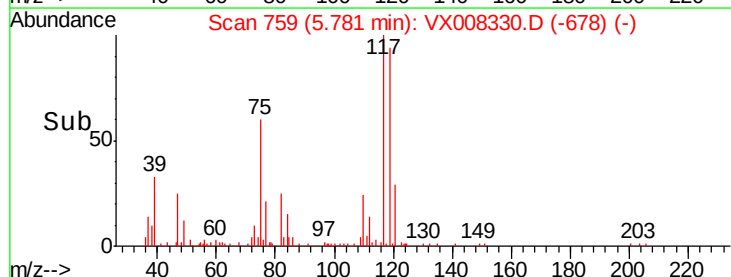
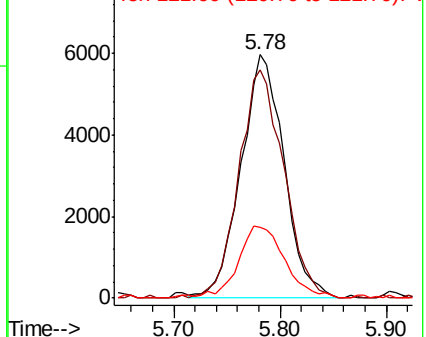
117 100

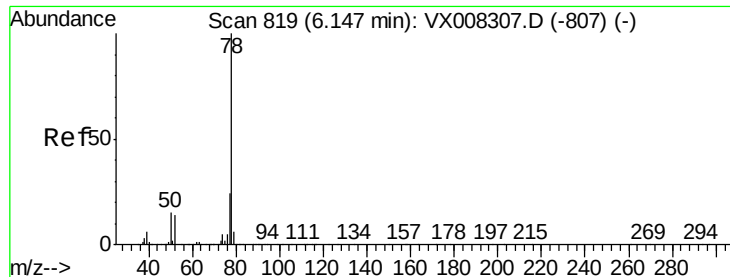
119 93.7 78.1 117.1

121 29.0 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 5.246 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

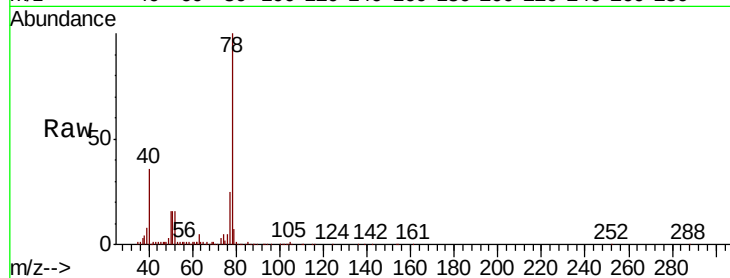
Tgt Ion: 78 Resp: 47372

Ion Ratio Lower Upper

78 100

77 24.8 19.1 28.7

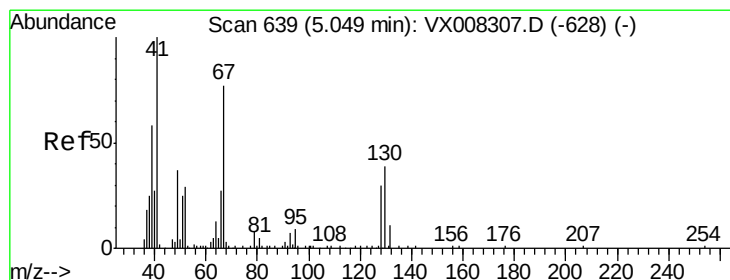
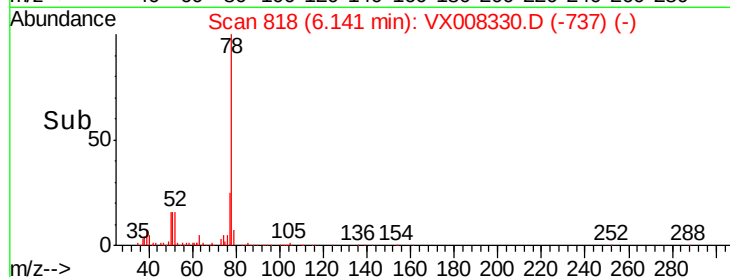
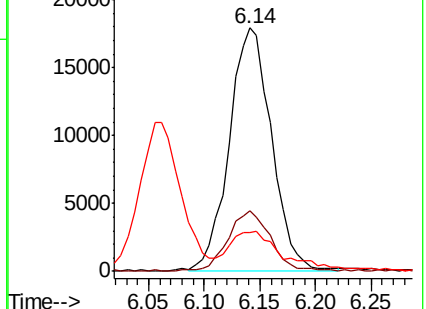
51 14.5 10.8 16.2



Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#35

Methacrylonitrile

Concen: 5.171 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion: 41 Resp: 8410

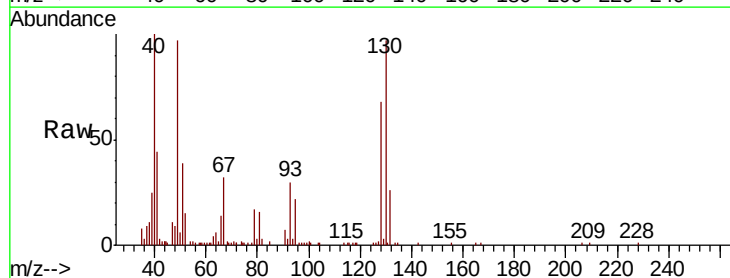
Ion Ratio Lower Upper

41 100

39 54.9 27.4 82.0

67 72.4 37.9 113.6

52 31.9 13.3 39.9

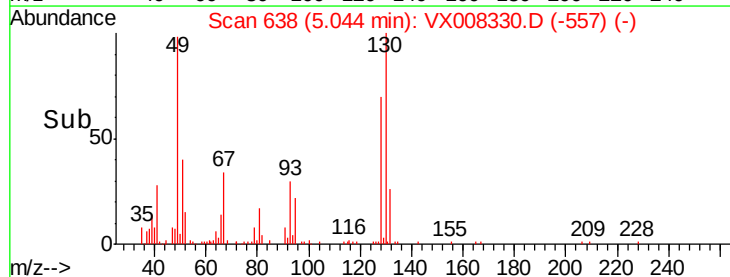
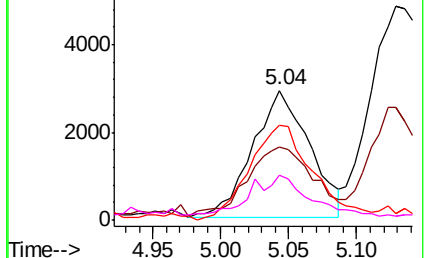


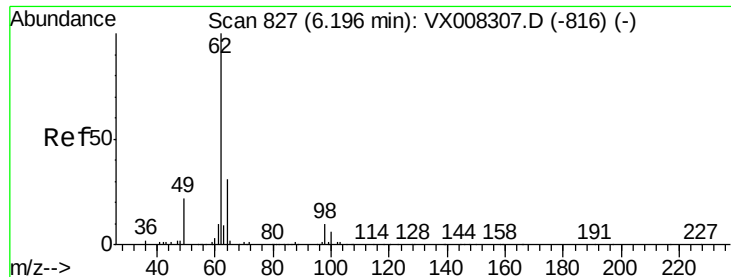
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

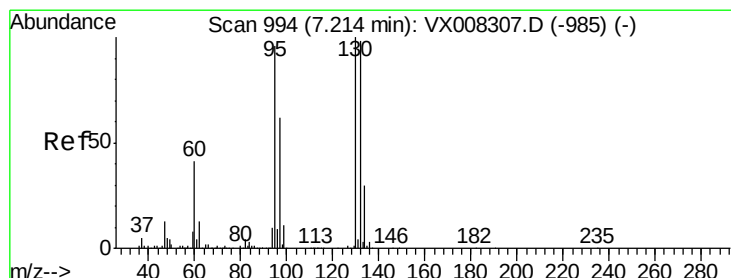
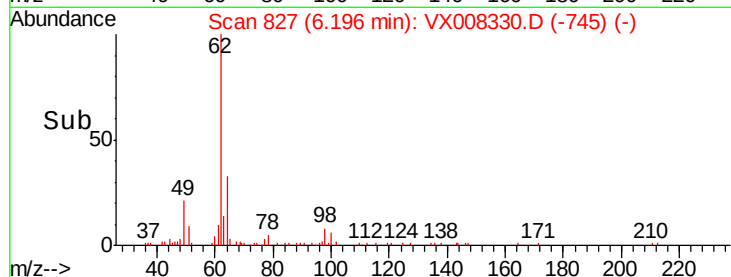
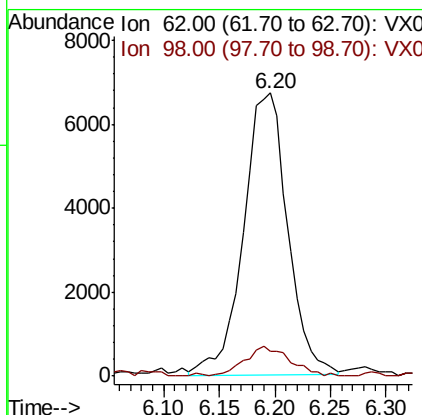
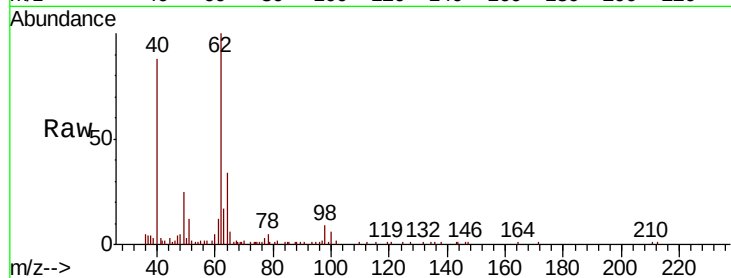




#36
 1,2-Dichloroethane
 Concen: 5.579 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

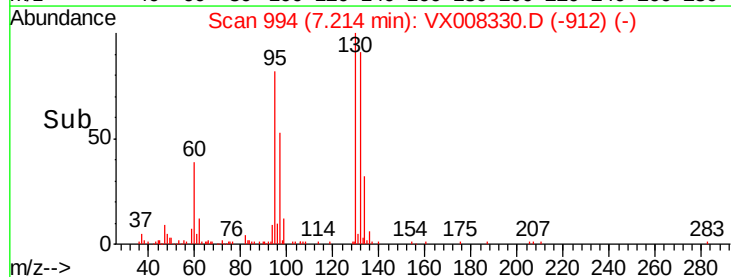
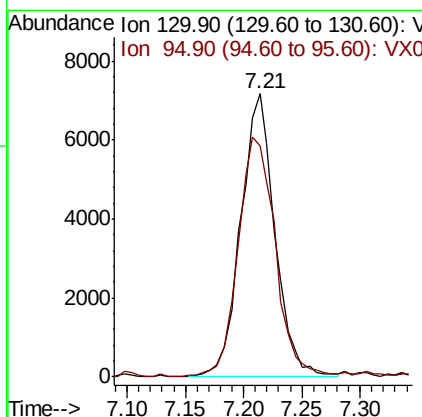
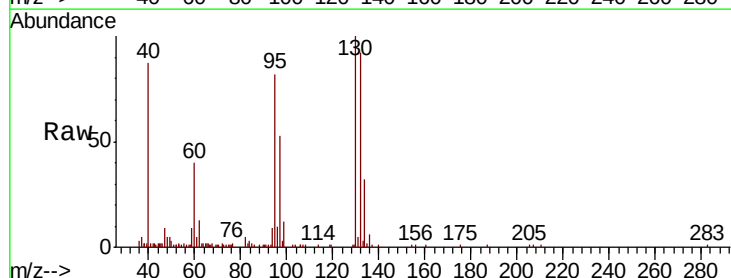
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

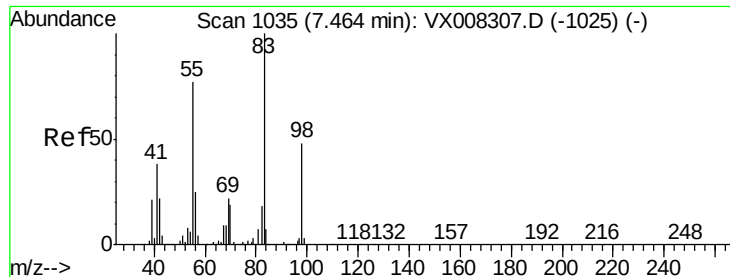
Tgt Ion: 62 Resp: 18568
 Ion Ratio Lower Upper
 62 100
 98 6.4 7.8 11.8#



#37
 Trichloroethene
 Concen: 5.500 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 130 Resp: 14601
 Ion Ratio Lower Upper
 130 100
 95 80.8 71.3 106.9

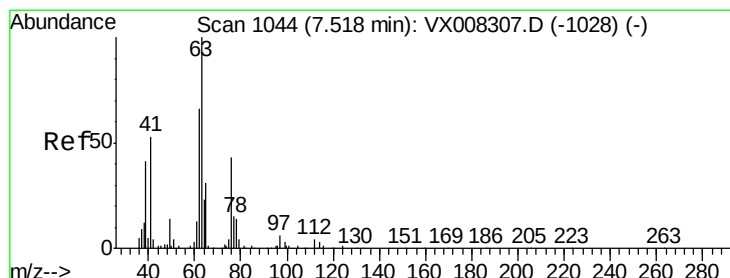
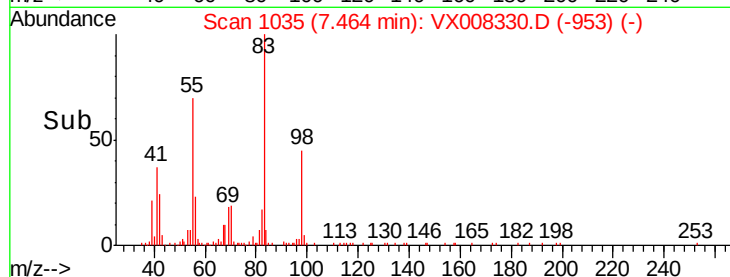
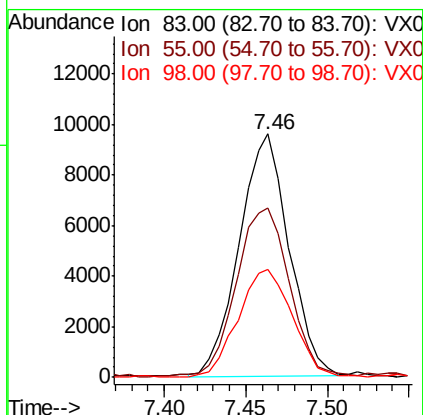
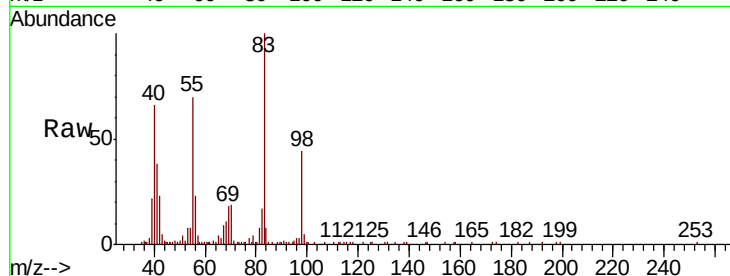




#38
Methylcyclohexane
Concen: 5.330 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

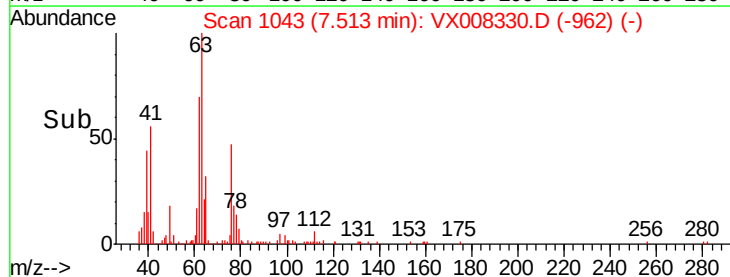
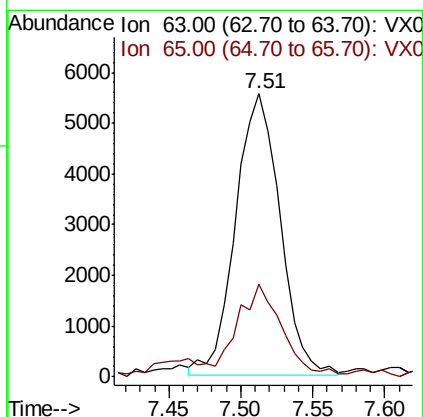
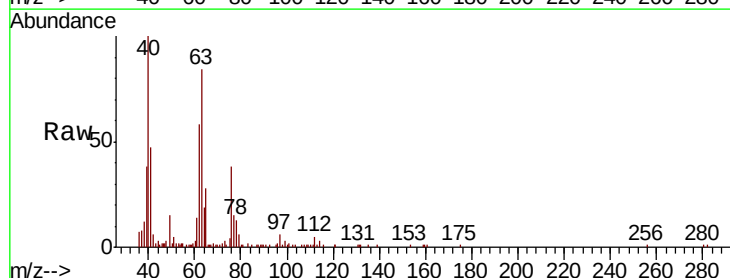
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

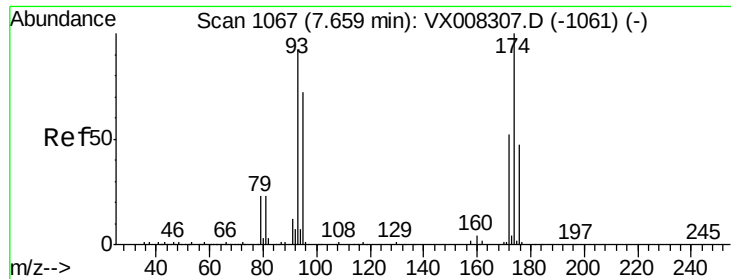
Tgt Ion: 83 Resp: 20251
Ion Ratio Lower Upper
83 100
55 73.9 36.0 108.0
98 48.8 23.8 71.4



#39
1,2-Dichloropropane
Concen: 5.224 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 63 Resp: 12004
Ion Ratio Lower Upper
63 100
65 32.3 24.6 37.0





#40

Dibromomethane

Concen: 5.142 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

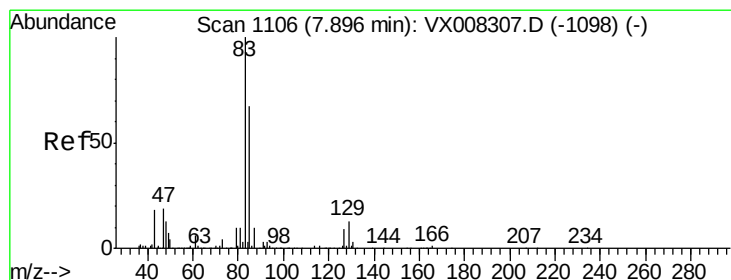
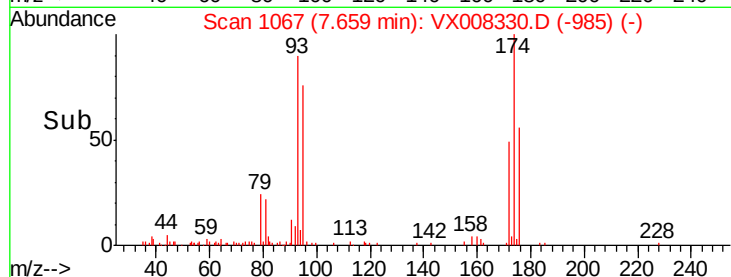
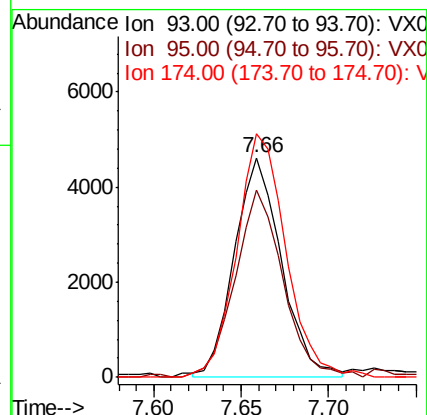
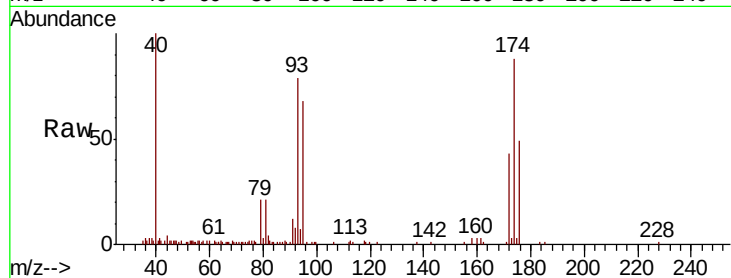
Tgt Ion: 93 Resp: 8665

Ion Ratio Lower Upper

93 100

95 86.4 0.0 158.8

174 114.4 0.0 224.2



#41

Bromodichloromethane

Concen: 5.027 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

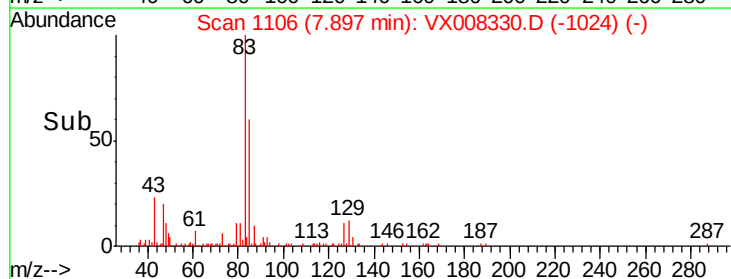
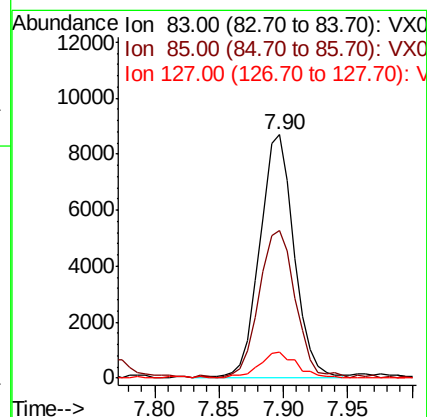
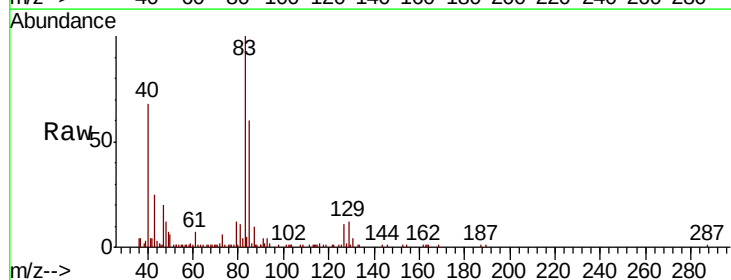
Tgt Ion: 83 Resp: 16075

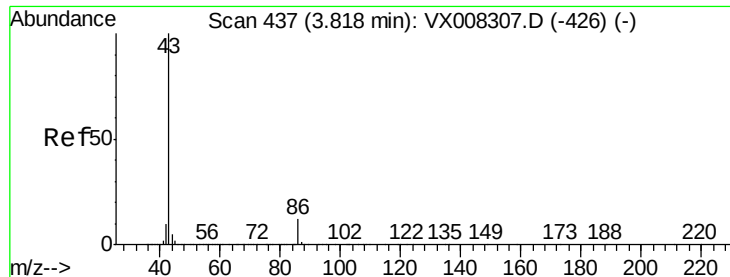
Ion Ratio Lower Upper

83 100

85 60.5 51.1 76.7

127 12.7 7.2 10.8#





#42

Vinyl Acetate

Concen: 24.981 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

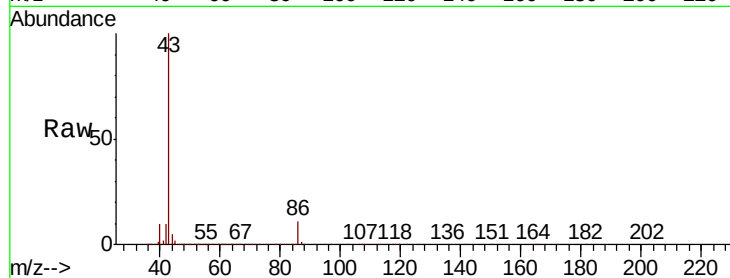
VSTDIC005

Tgt Ion: 43 Resp: 146604

Ion Ratio Lower Upper

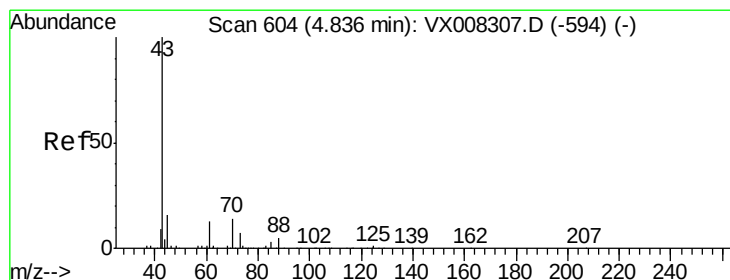
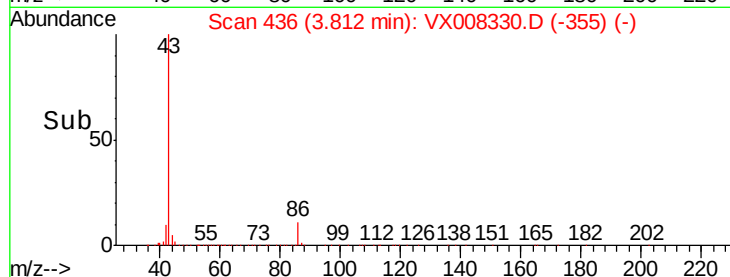
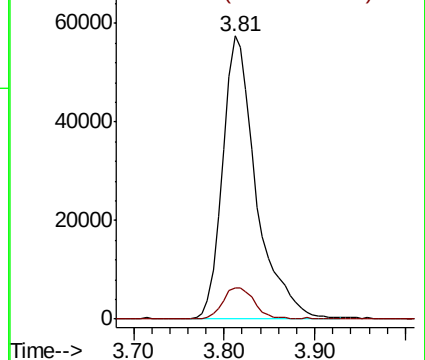
43 100

86 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 5.270 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008330.D

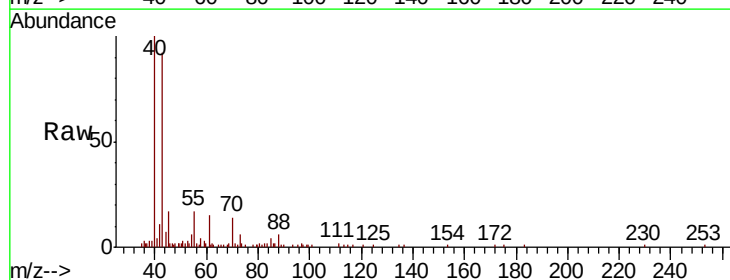
Acq: 22 Mar 2019 10:58

Tgt Ion: 43 Resp: 16252

Ion Ratio Lower Upper

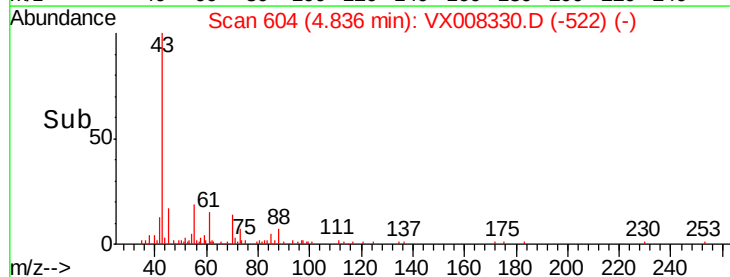
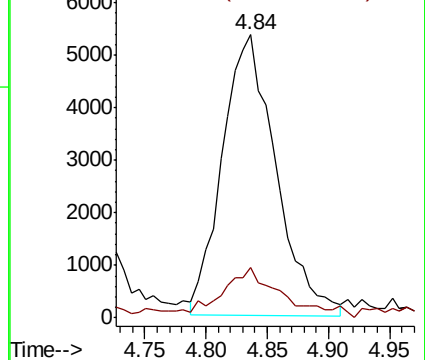
43 100

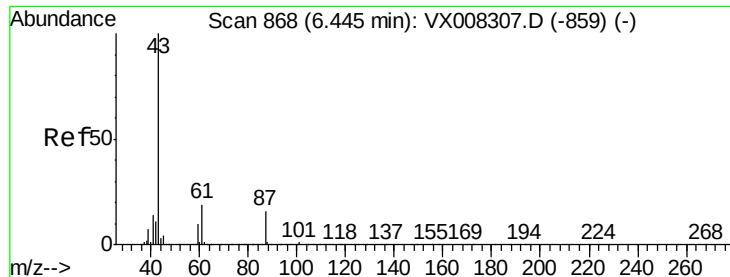
45 12.4 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#44

Isopropyl Acetate

Concen: 4.934 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampled :

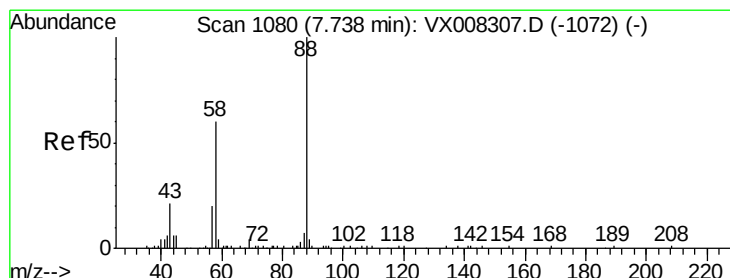
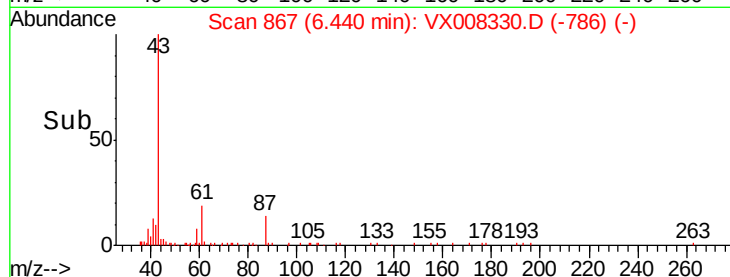
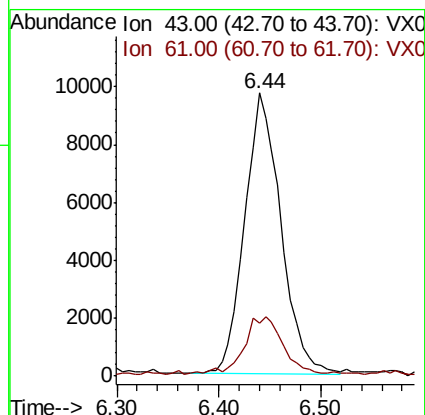
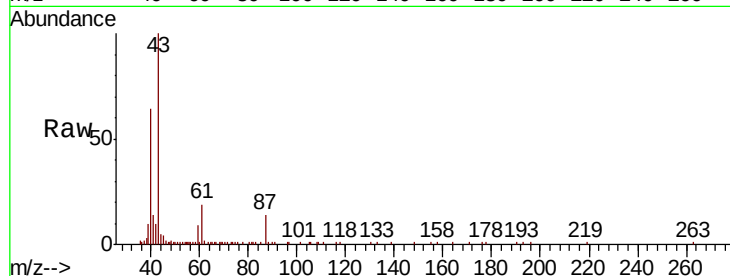
VSTDIC005

Tgt Ion: 43 Resp: 23932

Ion Ratio Lower Upper

43 100

61 8.5 16.1 24.1#



#45

1,4-Dioxane

Concen: 104.840 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

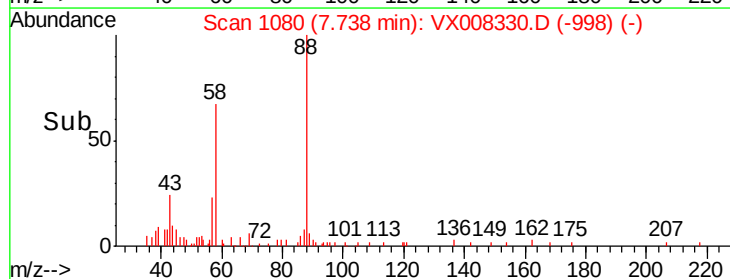
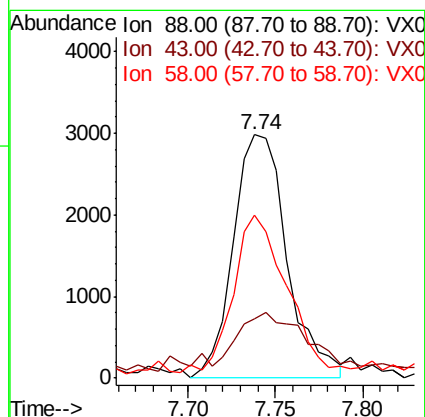
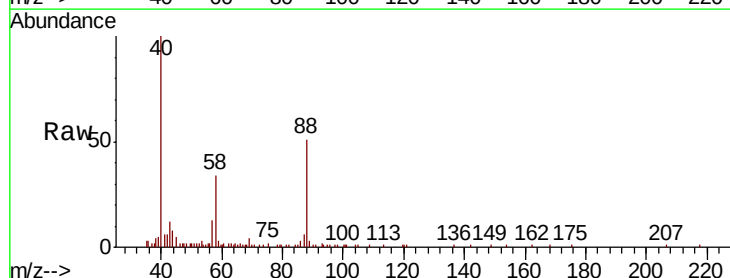
Tgt Ion: 88 Resp: 6396

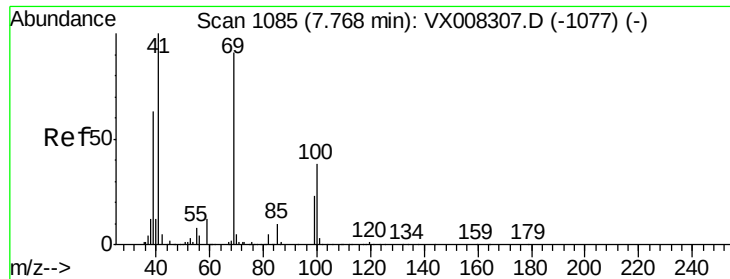
Ion Ratio Lower Upper

88 100

43 18.1 23.6 35.4#

58 62.7 51.6 77.4

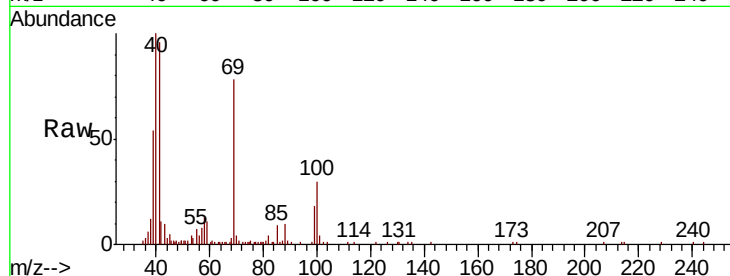




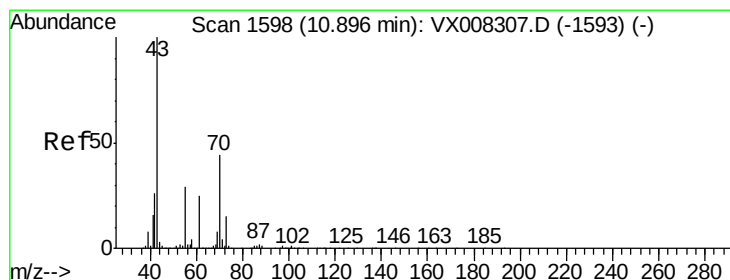
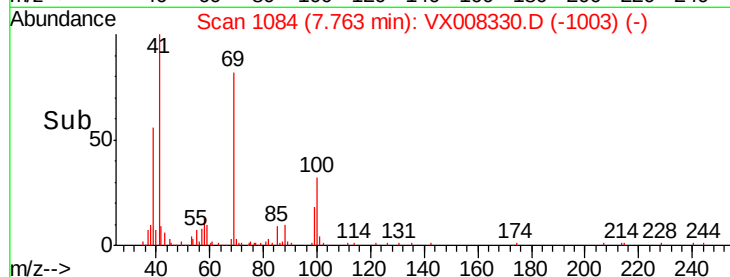
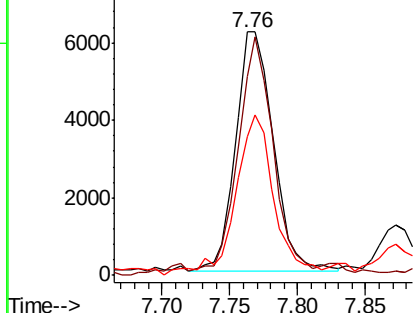
#46
Methyl methacrylate
Concen: 5.024 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 11957
Ion Ratio Lower Upper
41 100
69 80.9 44.2 132.6
39 55.2 29.9 89.8

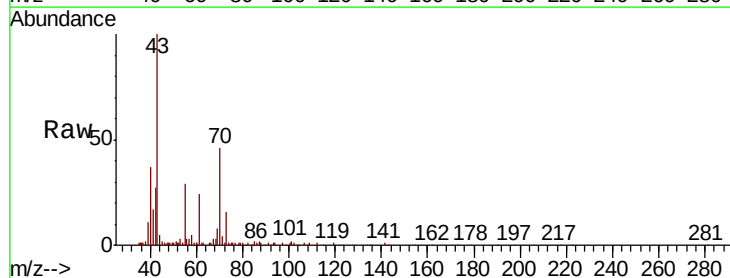


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

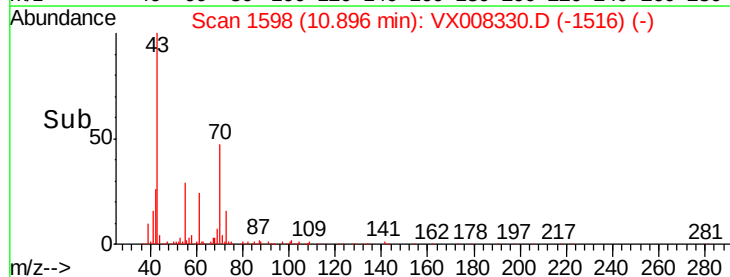
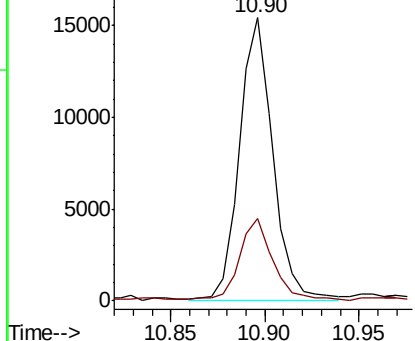


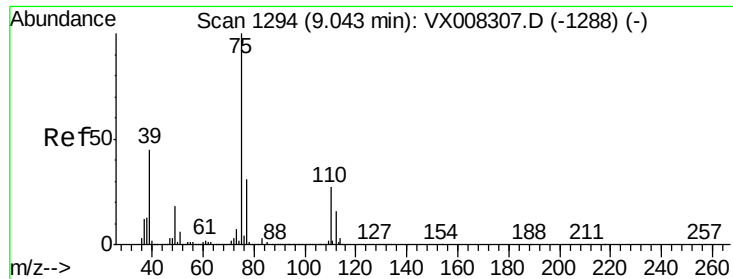
#47
n-amyl Acetate
Concen: 4.530 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 43 Resp: 18838
Ion Ratio Lower Upper
43 100
55 29.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#48

t-1,3-Dichloropropene

Concen: 4.540 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

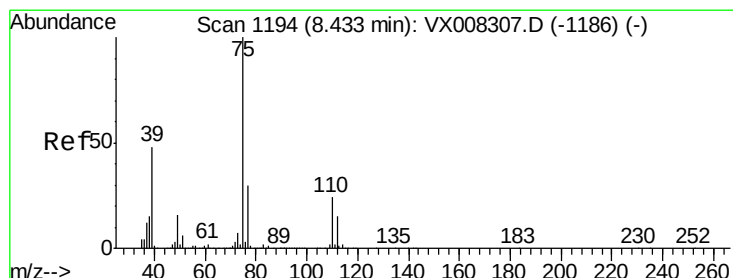
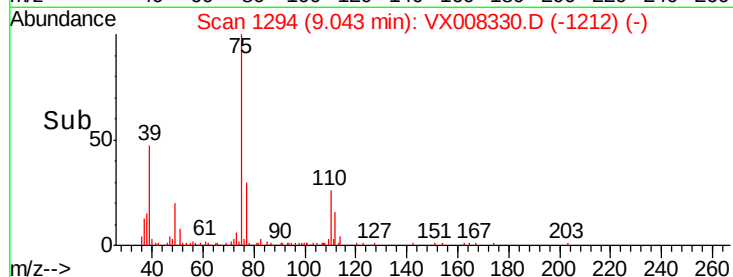
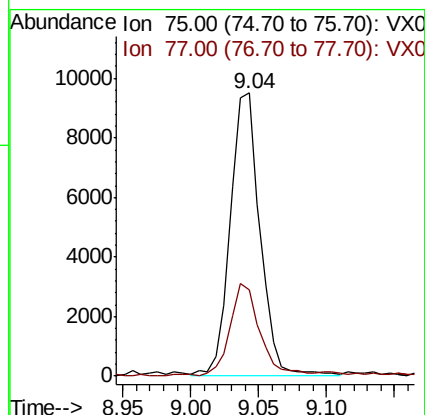
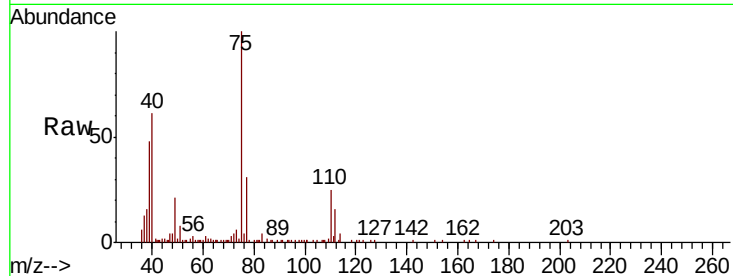
VSTDIC005

Tgt Ion: 75 Resp: 14536

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7



#49

cis-1,3-Dichloropropene

Concen: 4.614 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

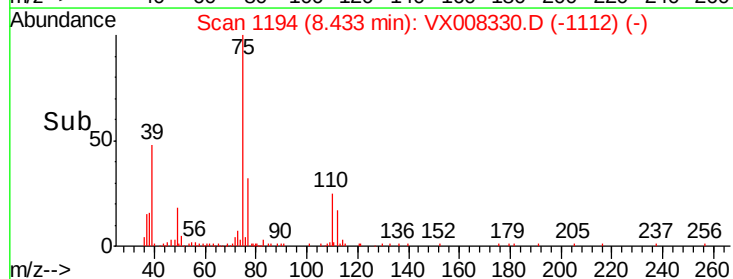
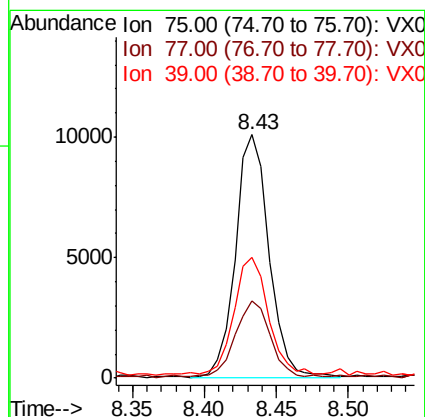
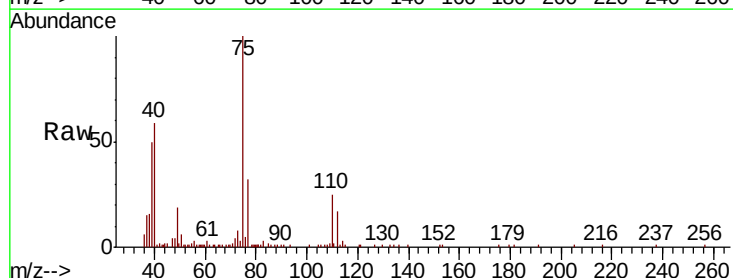
Tgt Ion: 75 Resp: 16482

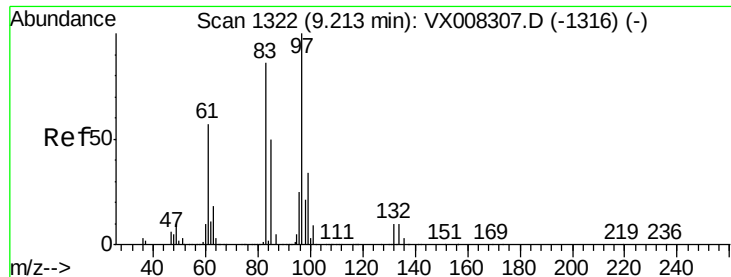
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 47.7 38.5 57.7

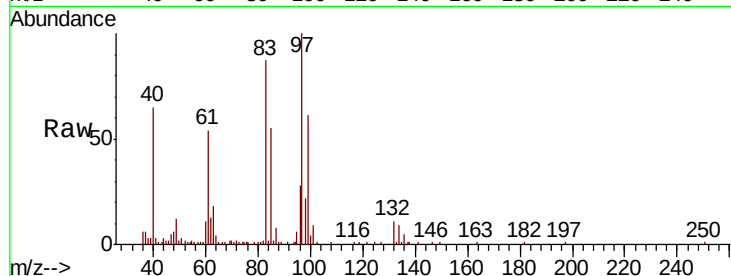




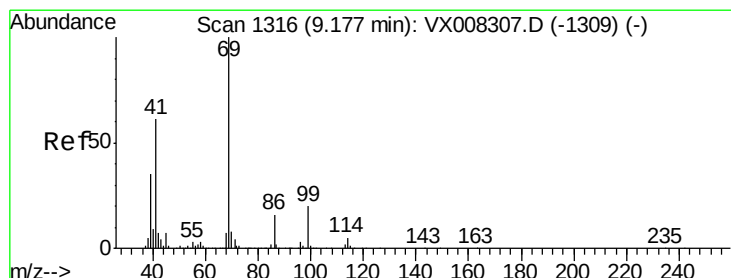
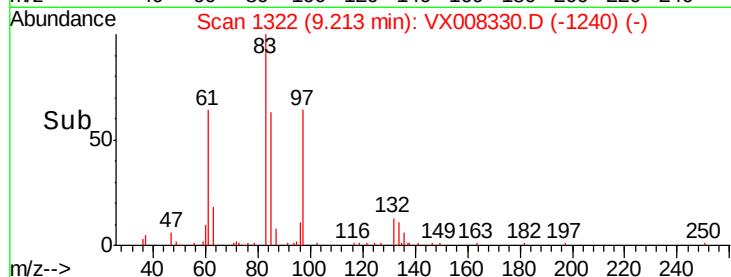
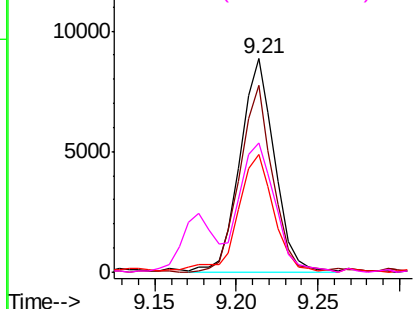
#50
1,1,2-Trichloroethane
Concen: 5.417 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:	97	Resp:	13114
Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.0	108.0
85	55.6	45.0	67.6
99	61.3	54.2	81.4

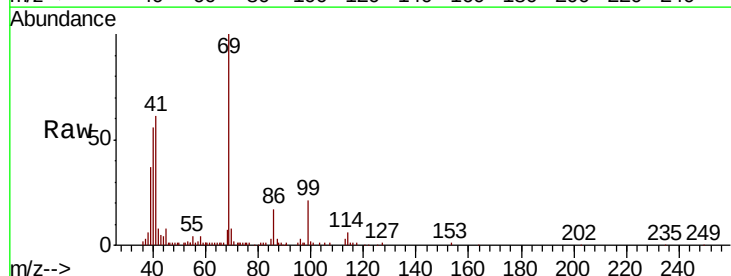


Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 82.95 (82.65 to 83.65): VX0
Ion 84.95 (84.65 to 85.65): VX0
Ion 98.95 (98.65 to 99.65): VX0

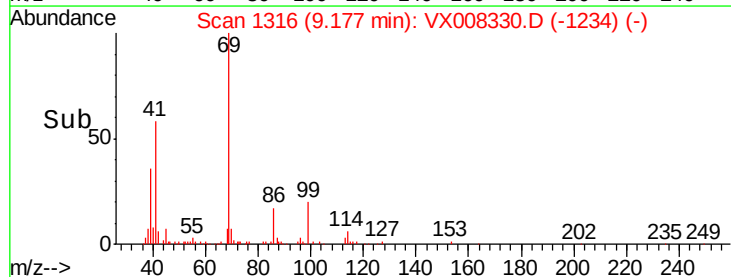
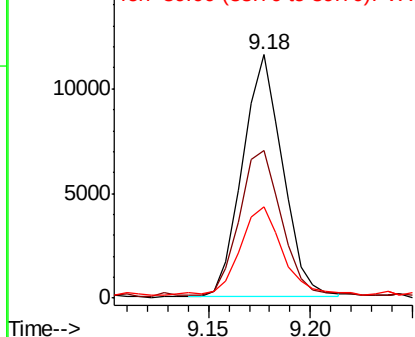


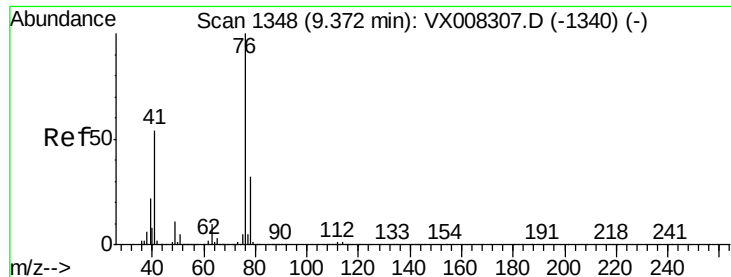
#51
Ethyl methacrylate
Concen: 4.466 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion:	69	Resp:	15784
Ion	Ratio	Lower	Upper
69	100		
41	60.0	32.1	96.5
39	35.7	18.8	56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#52

1,3-Dichloropropane

Concen: 5.332 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

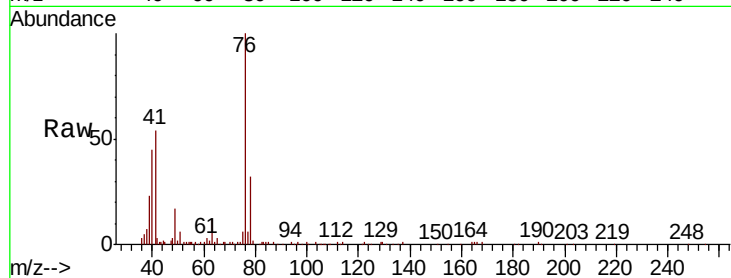
VSTDIC005

Tgt Ion: 76 Resp: 20704

Ion Ratio Lower Upper

76 100

78 33.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

15000

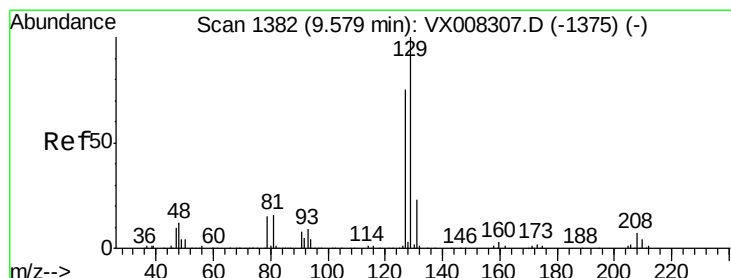
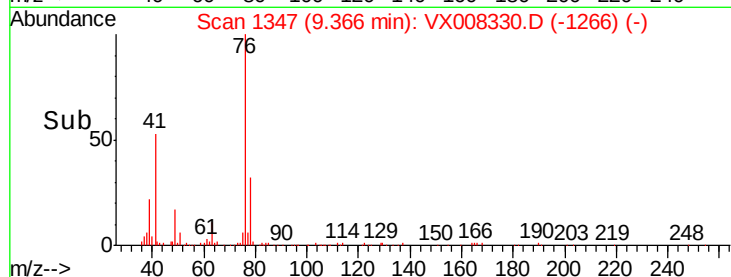
10000

5000

0

9.30 9.35 9.40

Time-->



#53

Dibromochloromethane

Concen: 4.776 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008330.D

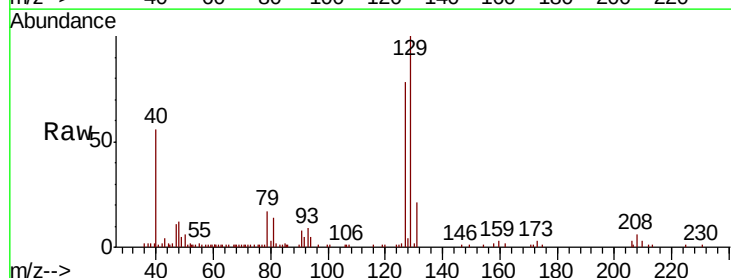
Acq: 22 Mar 2019 10:58

Tgt Ion: 129 Resp: 13035

Ion Ratio Lower Upper

129 100

127 79.6 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10000

8000

6000

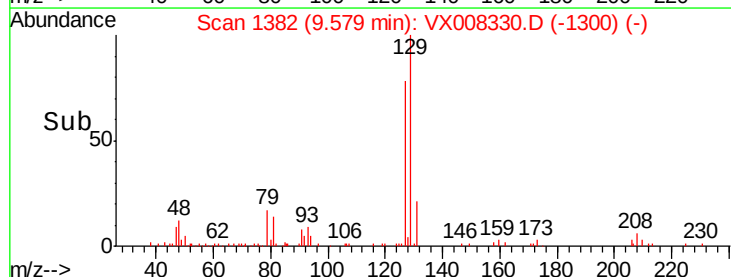
4000

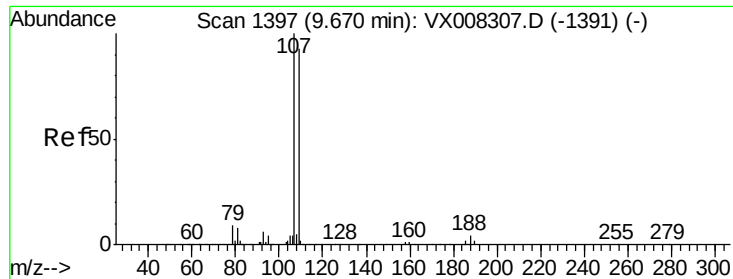
2000

0

9.50 9.55 9.60 9.65

Time-->

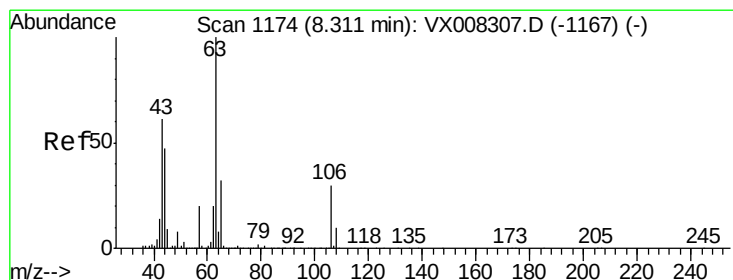
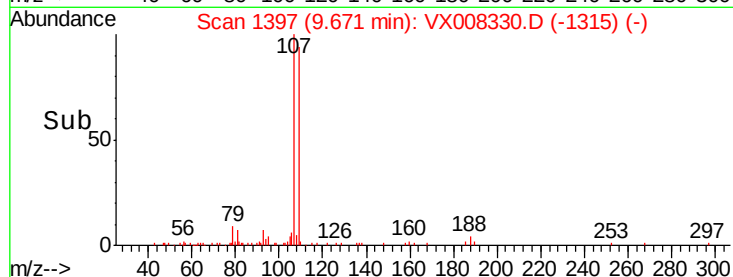
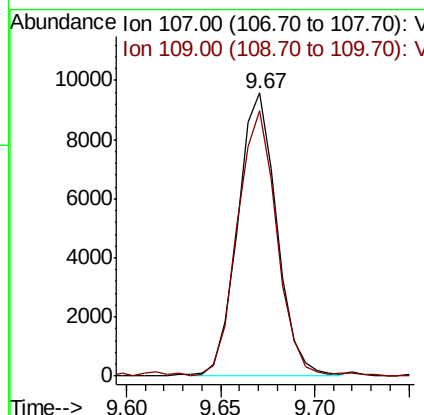
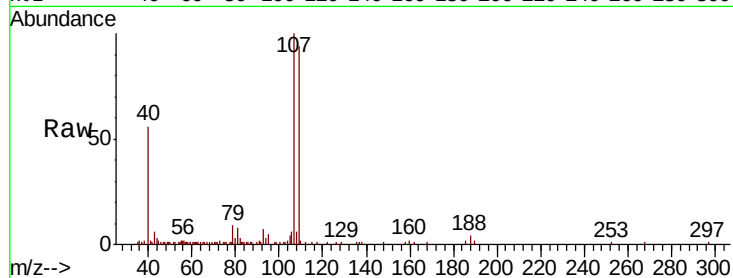




#54
 1,2-Dibromoethane
 Concen: 5.172 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

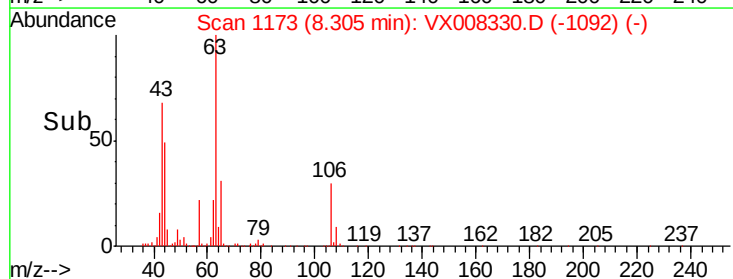
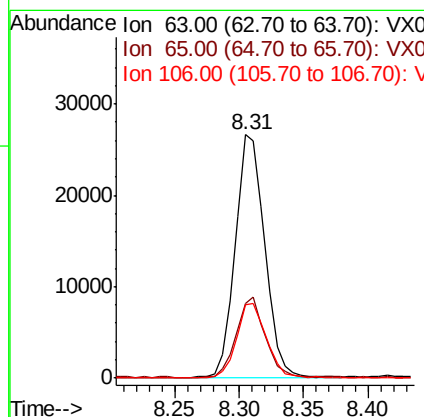
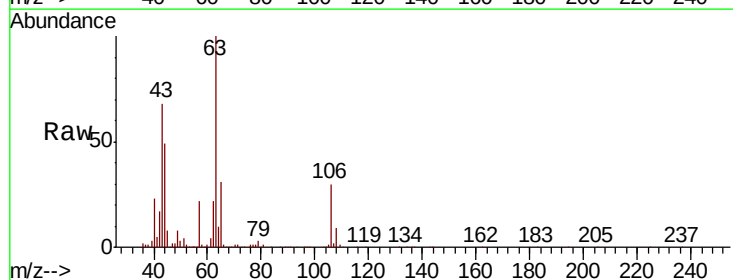
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

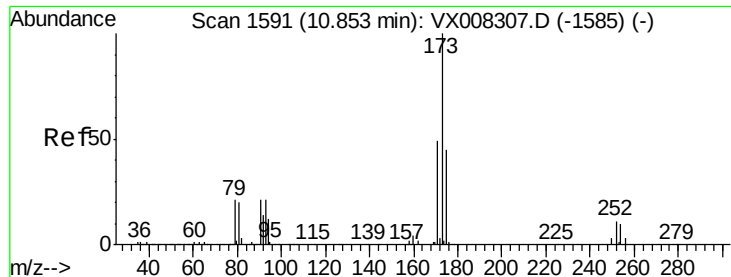
Tgt Ion: 107 Resp: 13738
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.6 115.0



#55
 2-Chloroethyl vinyl ether
 Concen: 24.085 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 63 Resp: 42828
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.7 38.5
 106 30.6 23.7 35.5





#56

Bromoform

Concen: 4.601 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

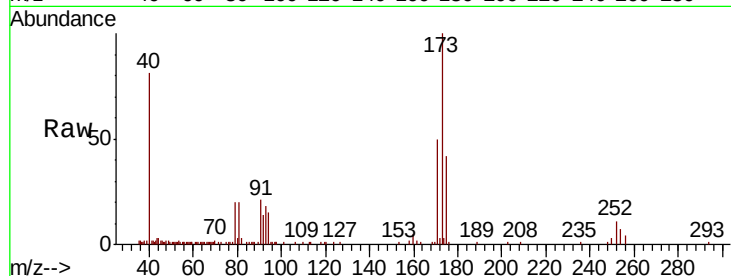
Tgt Ion:173 Resp: 9912

Ion Ratio Lower Upper

173 100

175 46.8 38.5 57.7

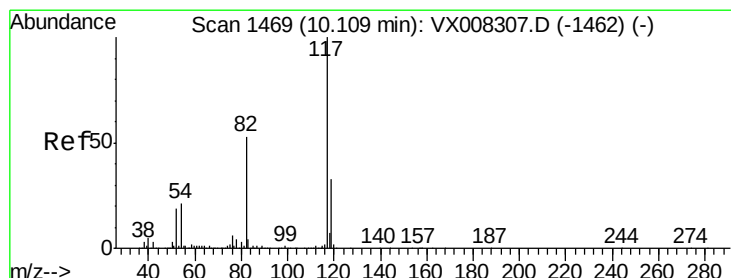
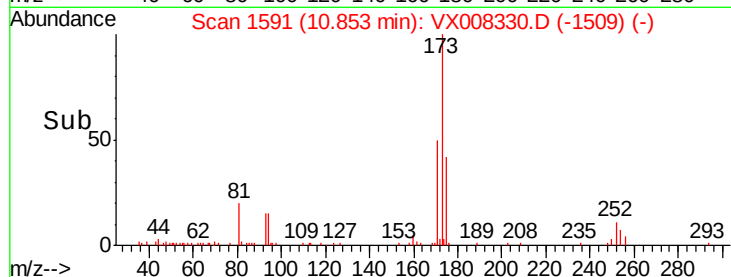
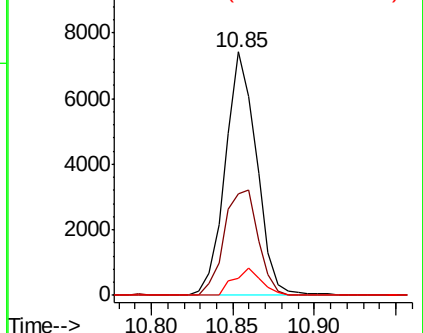
254 9.8 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

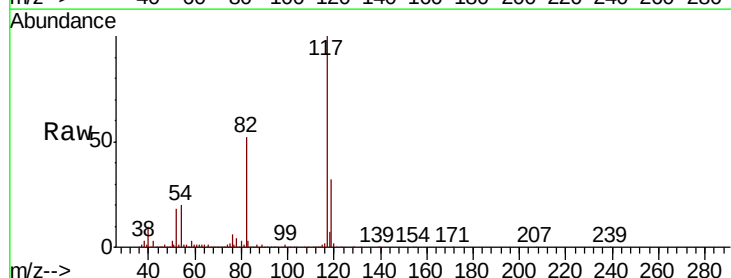
Tgt Ion:117 Resp: 188782

Ion Ratio Lower Upper

117 100

82 52.1 40.4 60.6

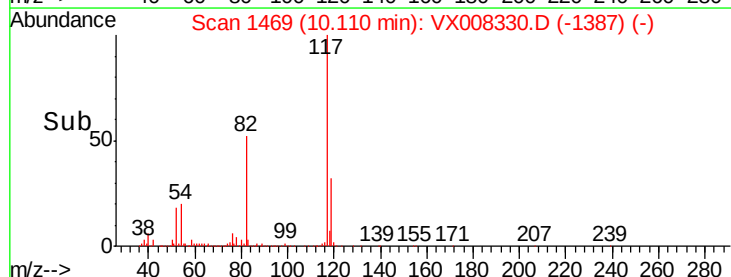
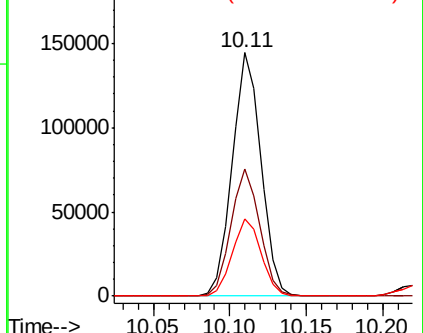
119 32.0 25.8 38.6

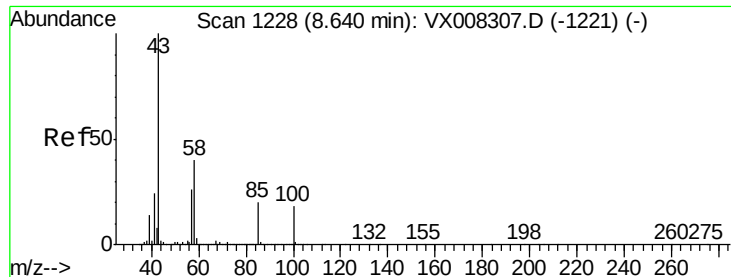


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

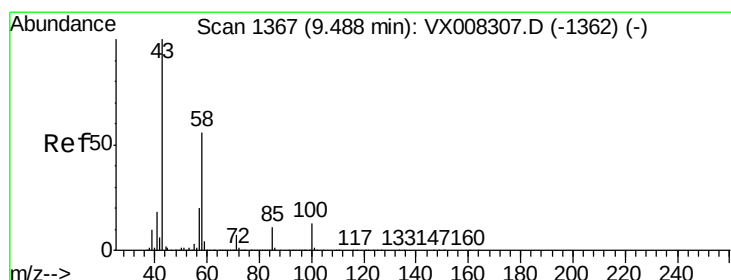
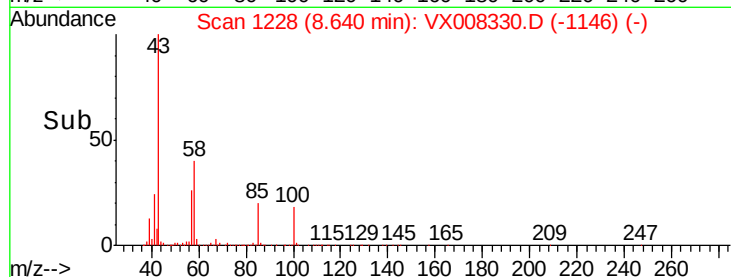
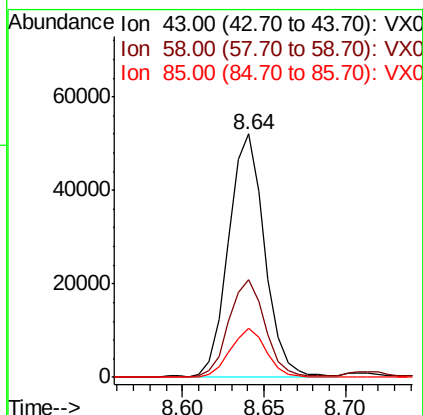
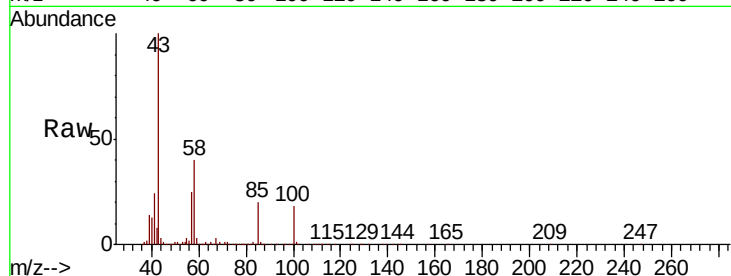




#58
4-Methyl-2-Pentanone
Concen: 25.128 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

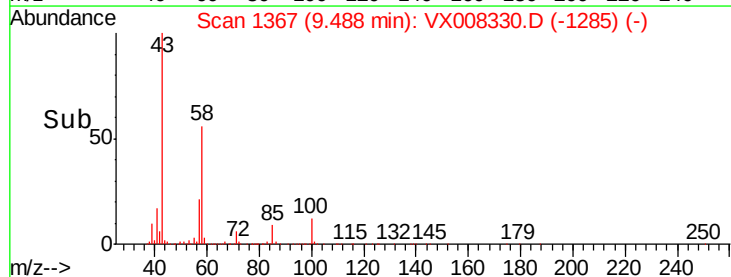
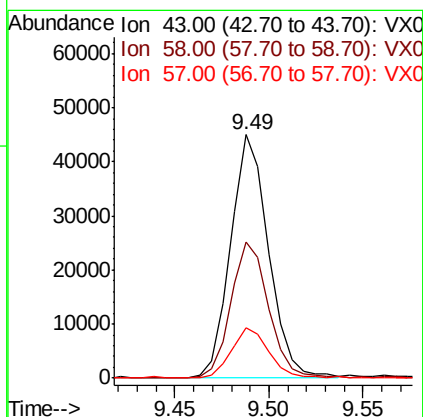
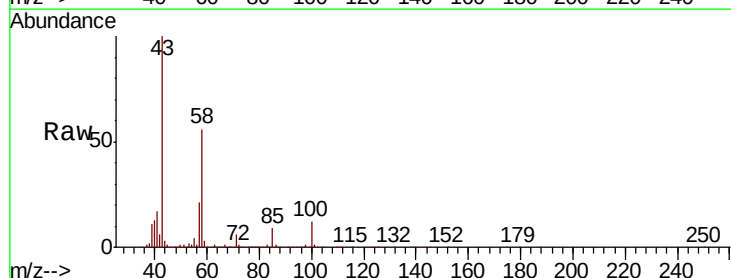
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

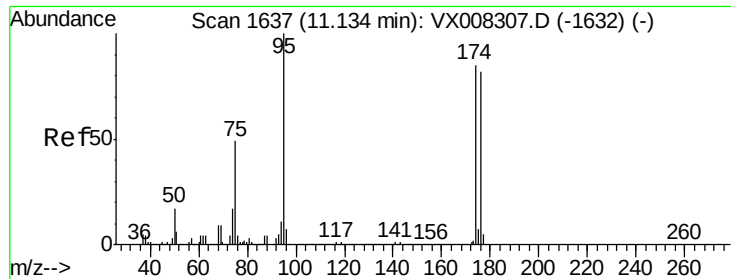
Tgt Ion: 43 Resp: 79871
Ion Ratio Lower Upper
43 100
58 40.8 31.4 47.0
85 20.4 15.0 22.6



#59
2-Hexanone
Concen: 24.731 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 43 Resp: 62182
Ion Ratio Lower Upper
43 100
58 55.9 43.9 65.9
57 20.7 14.9 22.3

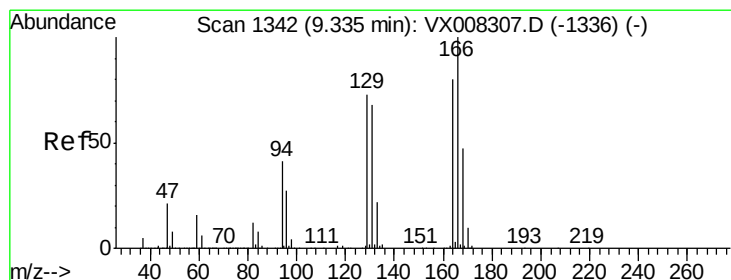
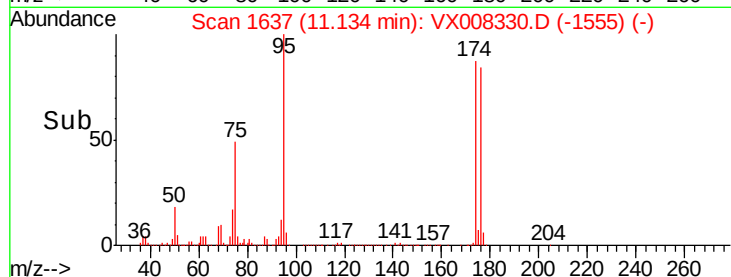
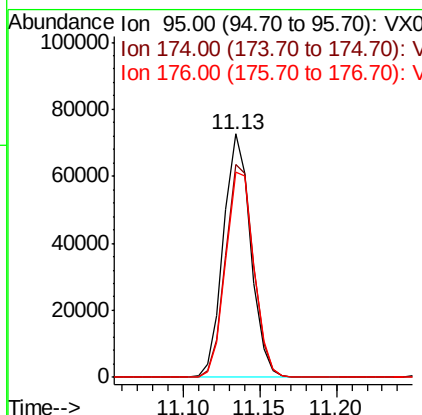
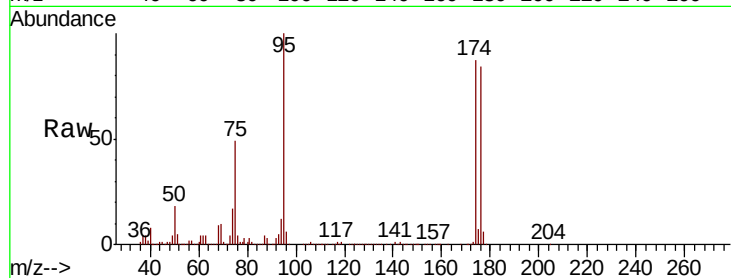




#60
4-Bromofluorobenzene
Concen: 29.312 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

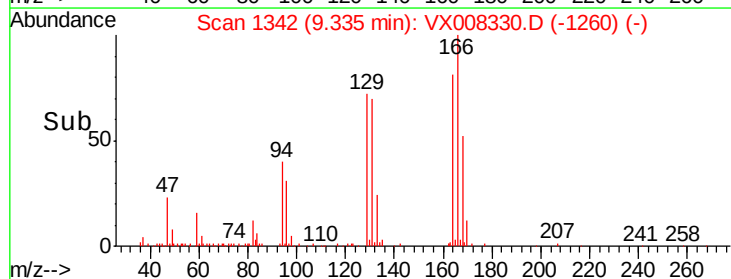
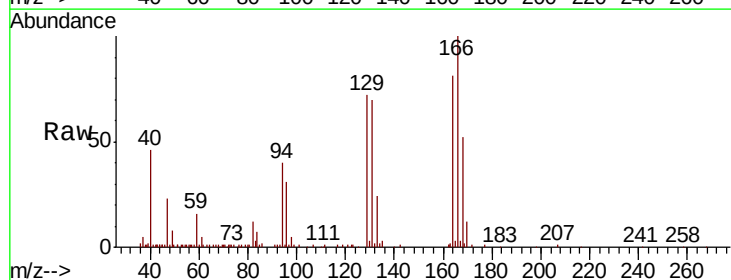
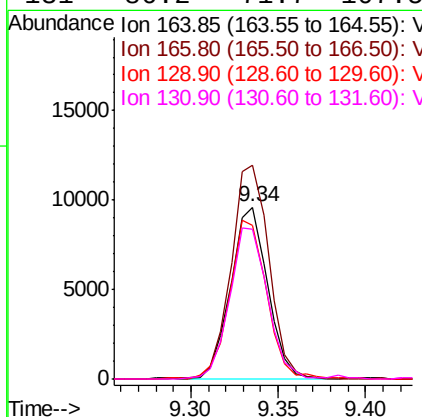
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

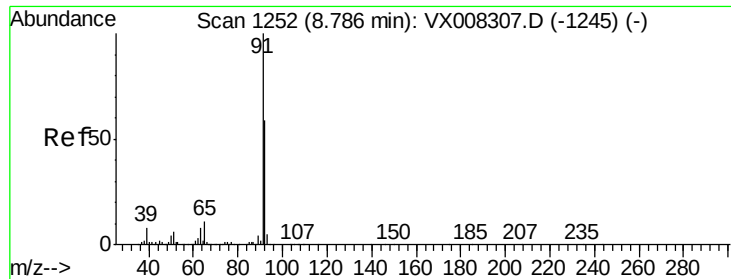
Tgt Ion: 95 Resp: 90074
Ion Ratio Lower Upper
95 100
174 89.9 74.9 112.3
176 87.7 70.7 106.1



#61
Tetrachloroethene
Concen: 5.577 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 164 Resp: 14172
Ion Ratio Lower Upper
164 100
166 124.1 103.9 155.9
129 89.5 74.7 112.1
131 86.2 71.7 107.5





#62

Toluene

Concen: 5.211 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

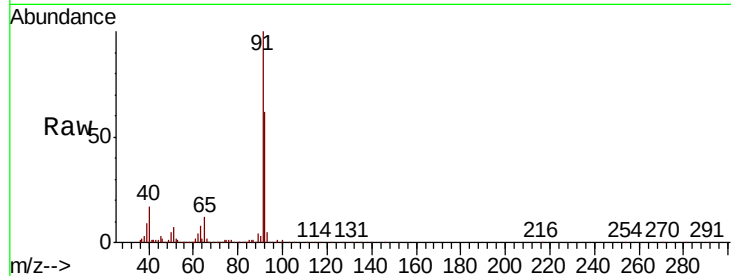
VSTDIC005

Tgt Ion: 91 Resp: 52221

Ion Ratio Lower Upper

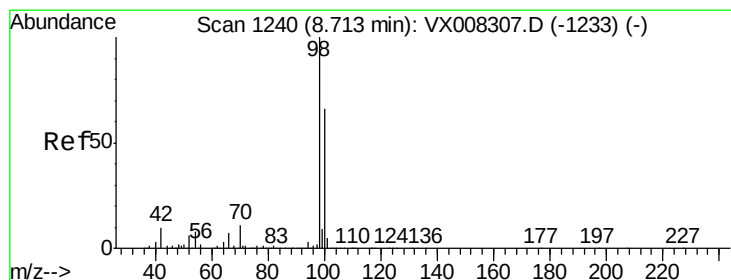
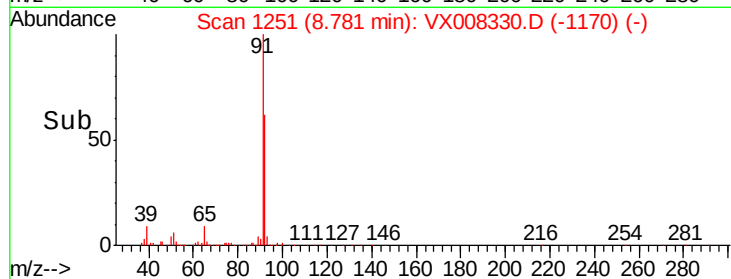
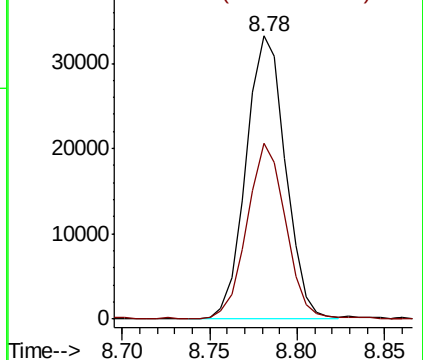
91 100

92 60.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 30.157 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008330.D

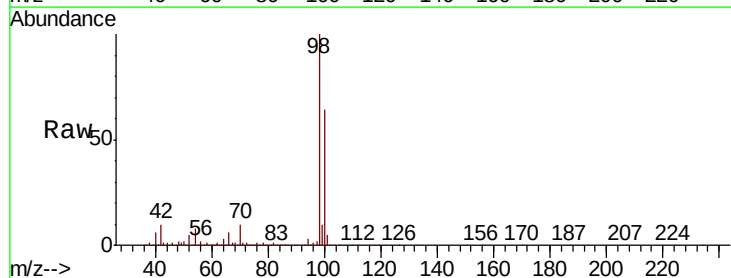
Acq: 22 Mar 2019 10:58

Tgt Ion: 98 Resp: 256498

Ion Ratio Lower Upper

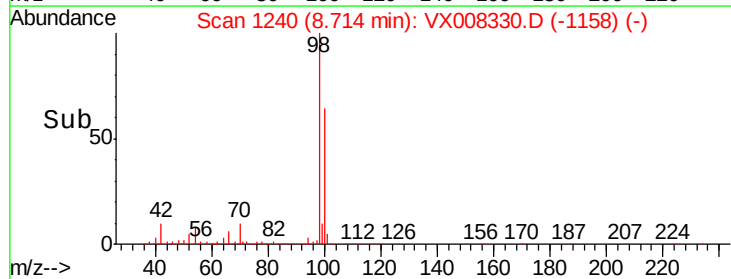
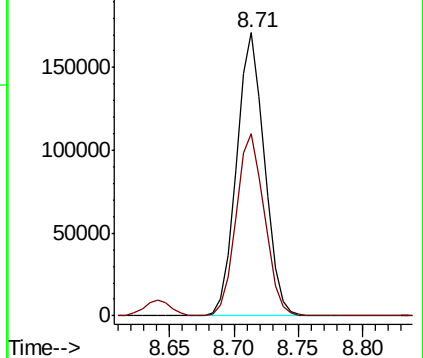
98 100

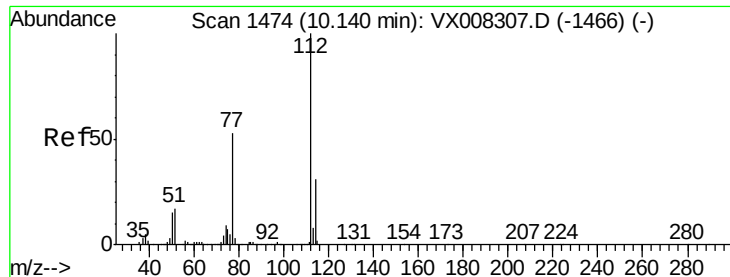
100 64.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#64

Chlorobenzene

Concen: 5.479 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

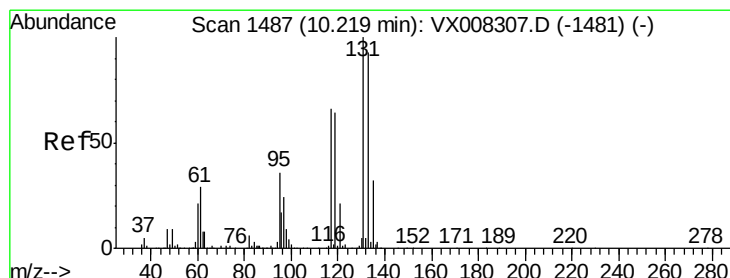
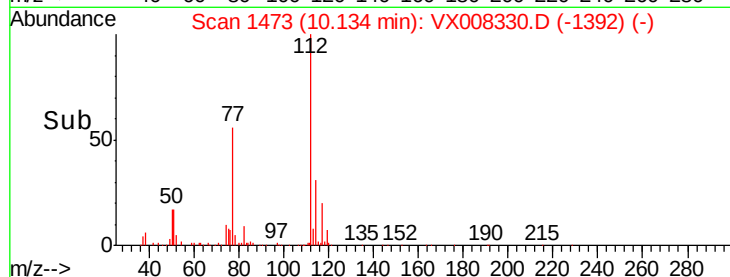
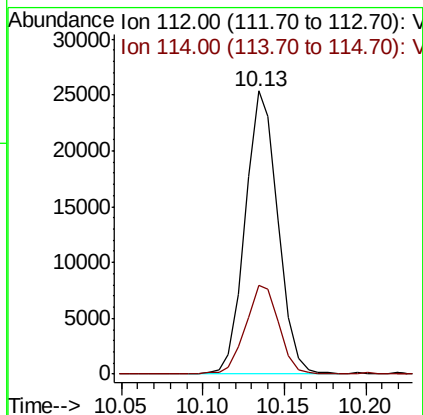
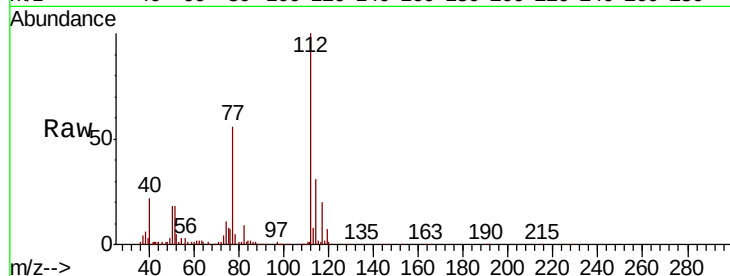
VSTDIC005

Tgt Ion:112 Resp: 35394

Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2



#65

1,1,1,2-Tetrachloroethane

Concen: 5.010 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

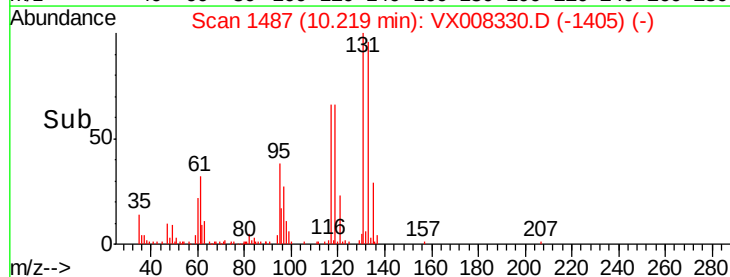
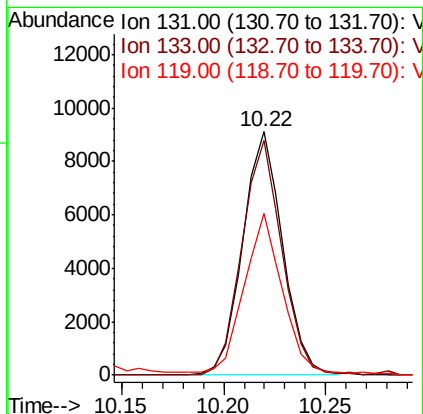
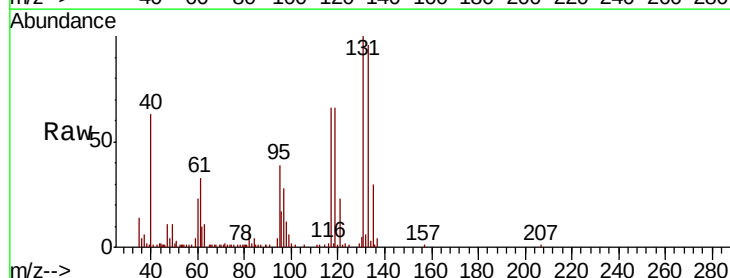
Tgt Ion:131 Resp: 12360

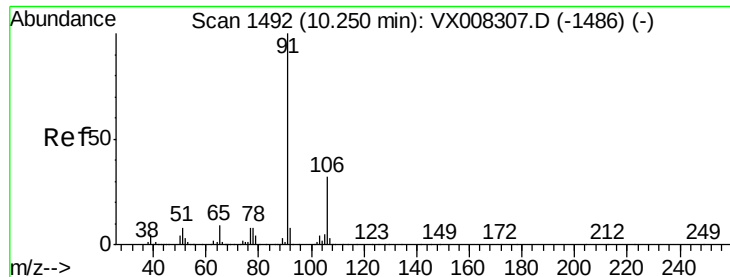
Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.6

119 63.2 0.0 127.4





#66

Ethyl Benzene

Concen: 5.087 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

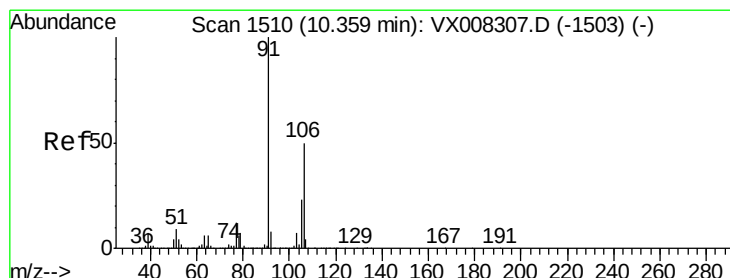
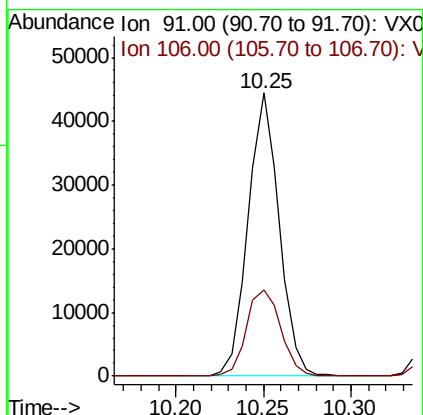
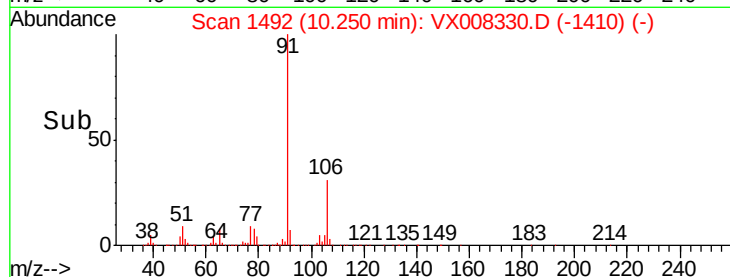
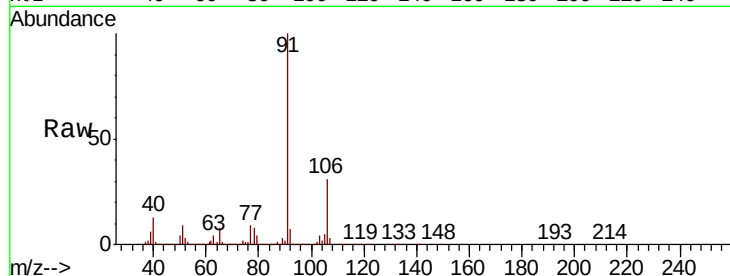
VSTDIC005

Tgt Ion: 91 Resp: 55125

Ion Ratio Lower Upper

91 100

106 30.6 26.0 39.0



#67

m/p-Xylenes

Concen: 10.291 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008330.D

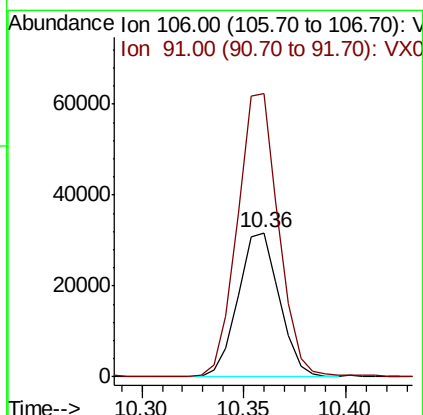
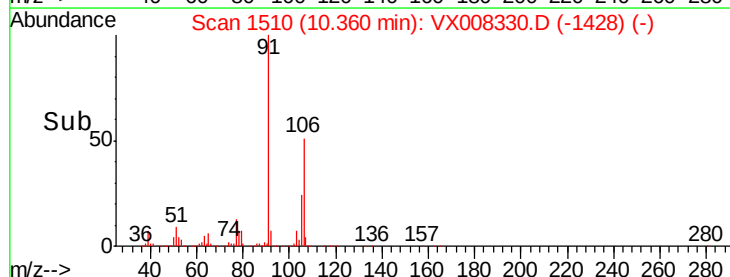
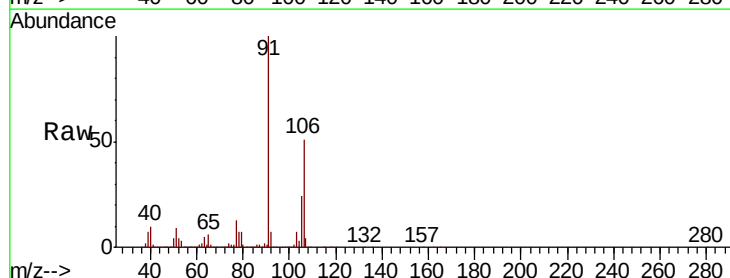
Acq: 22 Mar 2019 10:58

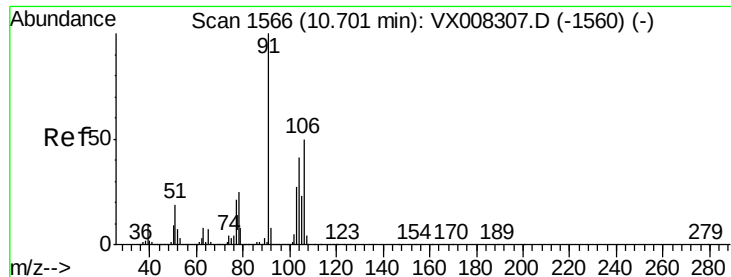
Tgt Ion: 106 Resp: 44323

Ion Ratio Lower Upper

106 100

91 194.9 157.0 235.4

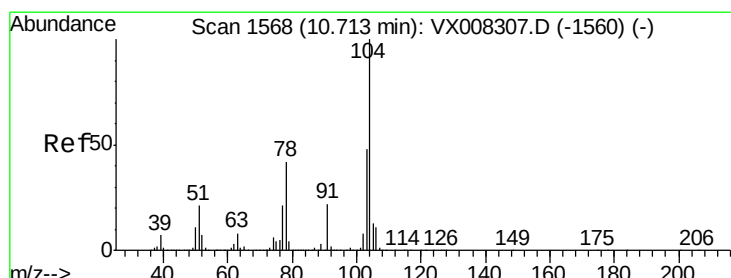
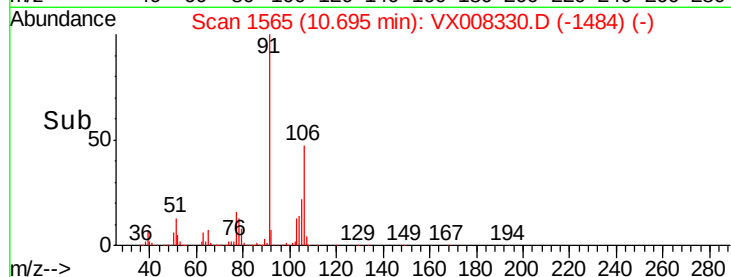
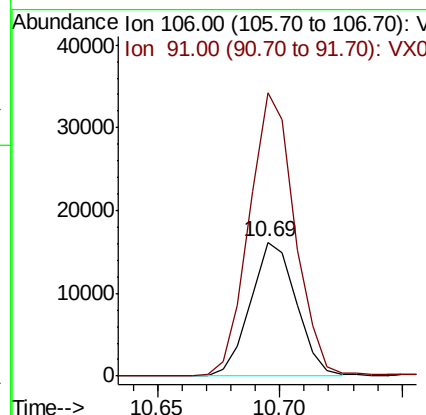
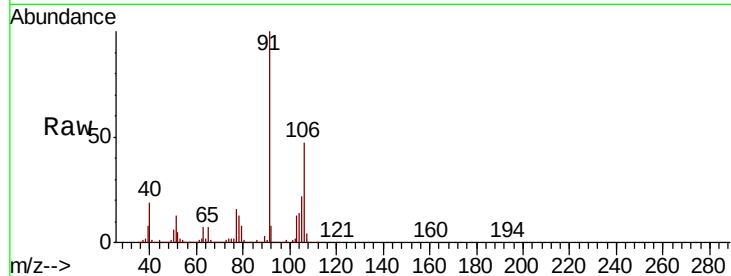




#68
o-Xylene
Concen: 5.110 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

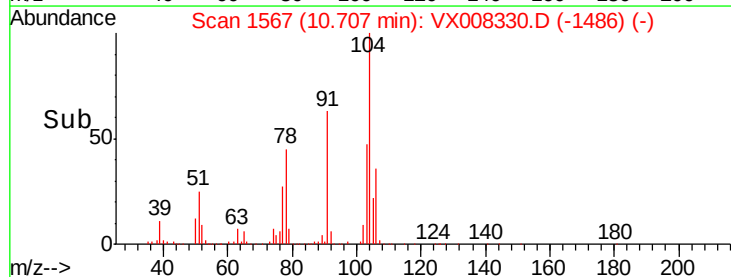
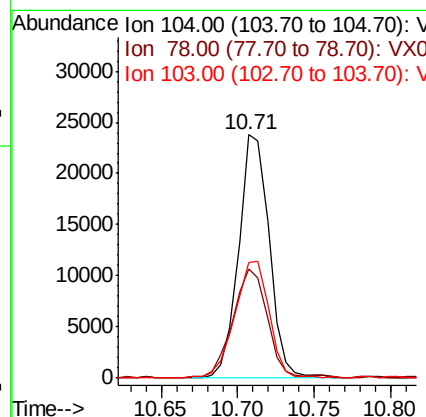
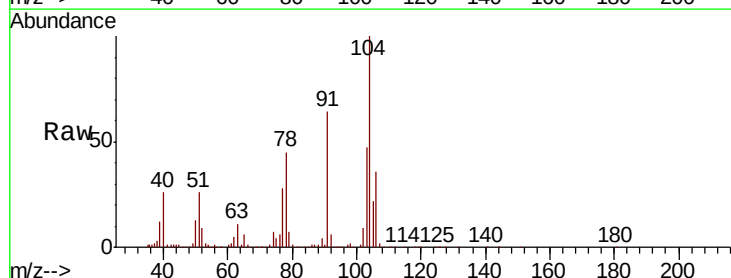
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

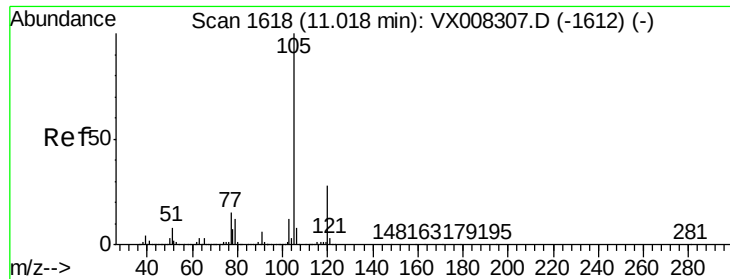
Tgt Ion:106 Resp: 21144
Ion Ratio Lower Upper
106 100
91 209.8 104.4 313.2



#69
Styrene
Concen: 4.752 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion:104 Resp: 33194
Ion Ratio Lower Upper
104 100
78 49.9 38.2 57.2
103 53.6 45.0 67.4





#70

Isopropylbenzene

Concen: 5.104 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

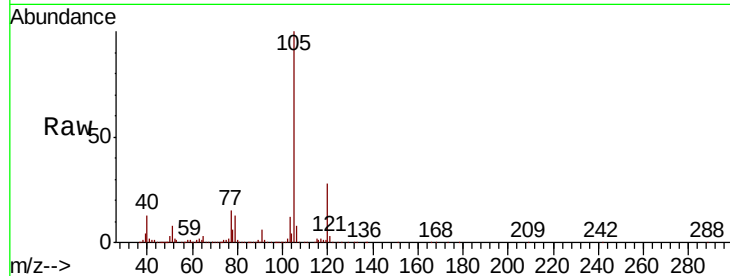
VSTDIC005

Tgt Ion: 105 Resp: 55565

Ion Ratio Lower Upper

105 100

120 28.8 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

50000

40000

30000

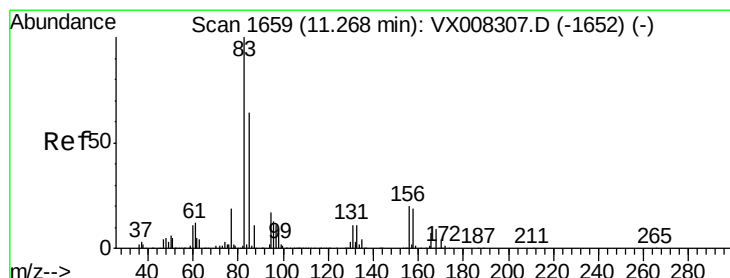
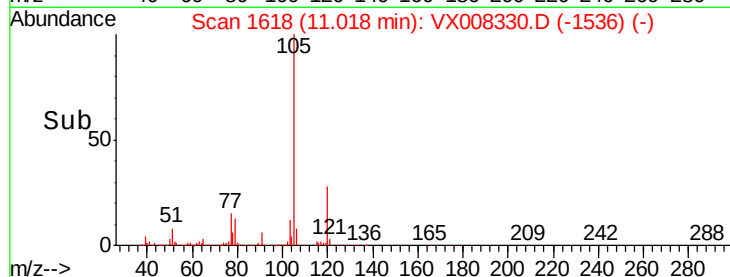
20000

10000

0

Time-->

11.00 11.05



#71

1,1,2,2-Tetrachloroethane

Concen: 5.294 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

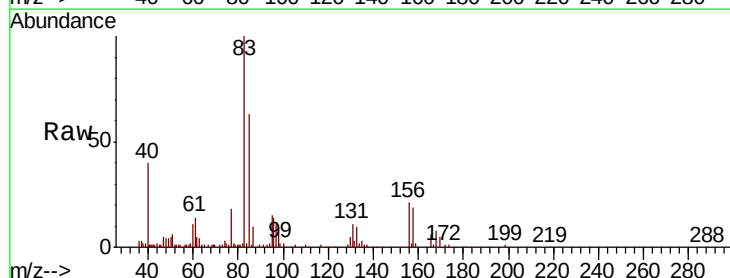
Tgt Ion: 83 Resp: 19652

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

85 64.7 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0

20000

15000

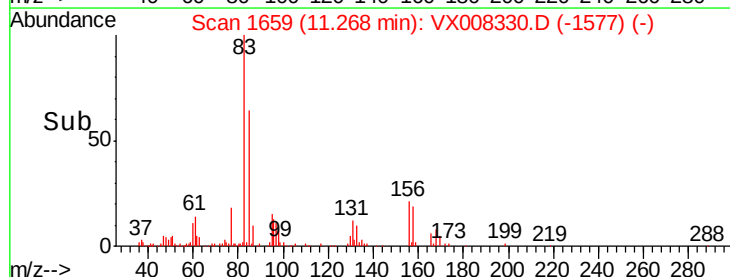
10000

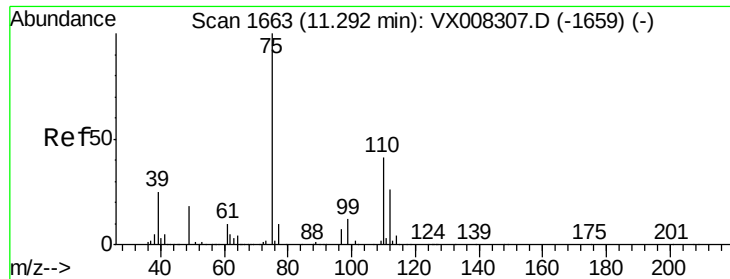
5000

0

Time-->

11.20 11.25 11.30





#72

1,2,3-Trichloropropane

Concen: 6.287 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

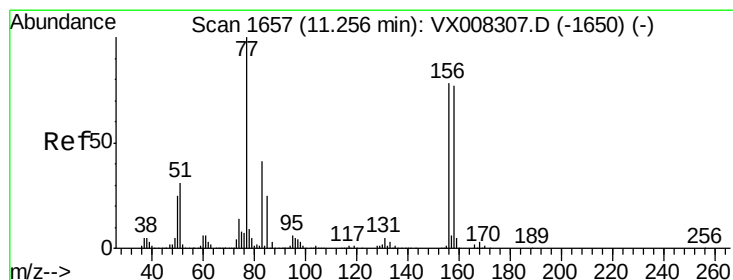
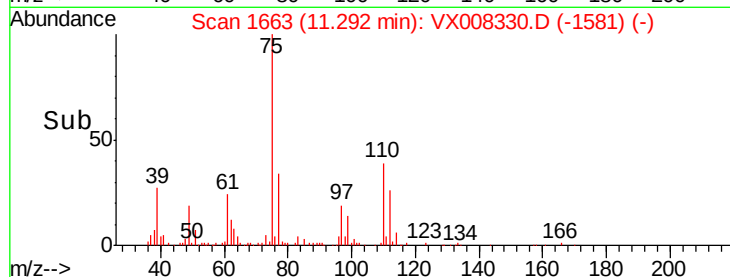
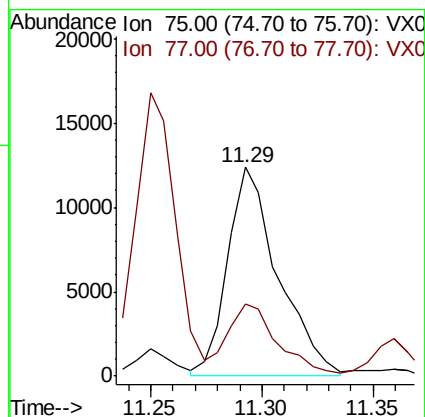
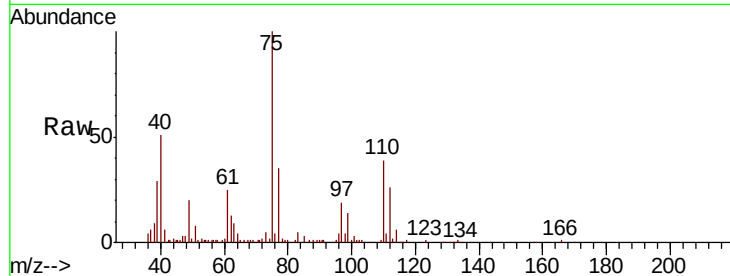
VSTDIC005

Tgt Ion: 75 Resp: 19481

Ion Ratio Lower Upper

75 100

77 34.6 0.0 76.4



#73

Bromobenzene

Concen: 5.179 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

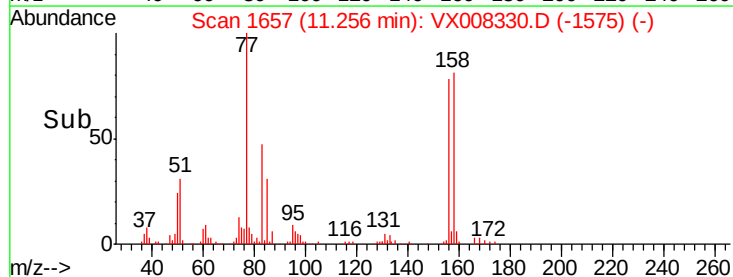
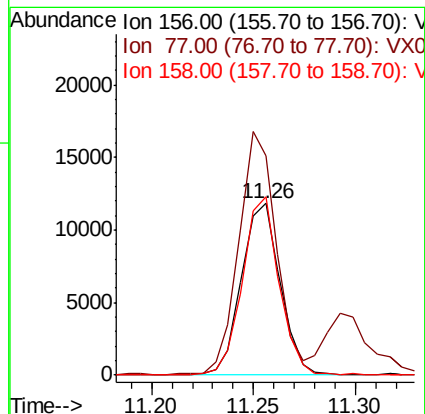
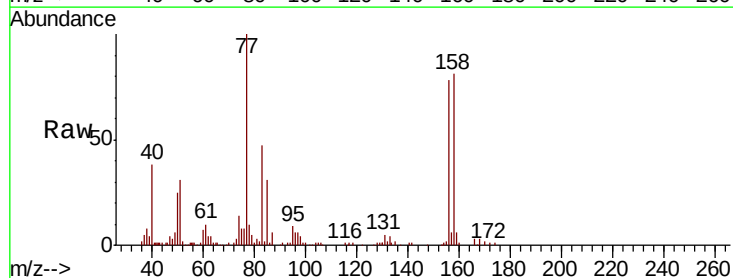
Tgt Ion: 156 Resp: 15599

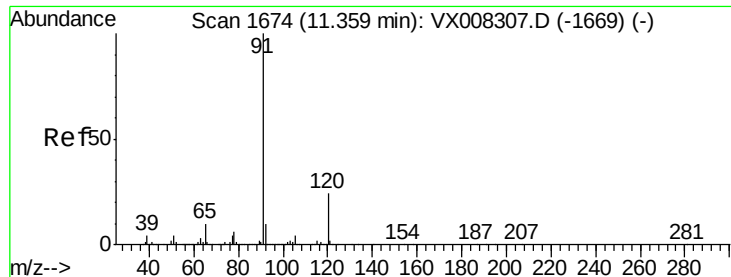
Ion Ratio Lower Upper

156 100

77 135.7 0.0 271.4

158 97.9 0.0 194.0





#74

n-propylbenzene

Concen: 5.094 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

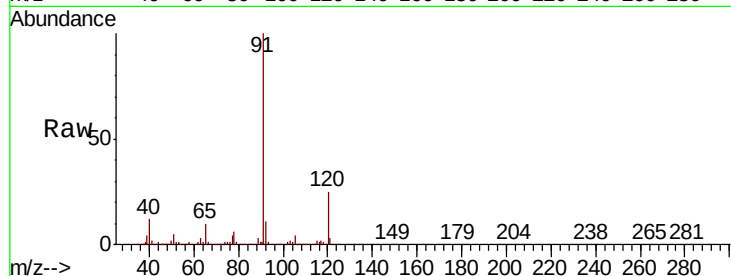
VSTDIC005

Tgt Ion: 91 Resp: 61814

Ion Ratio Lower Upper

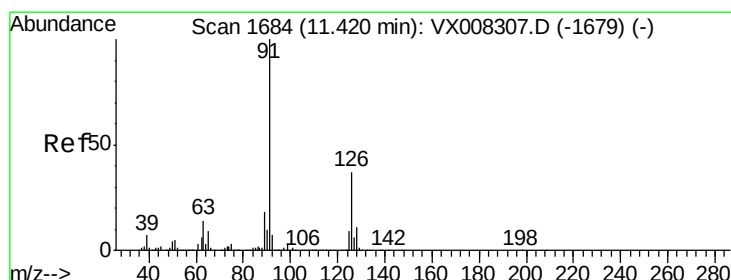
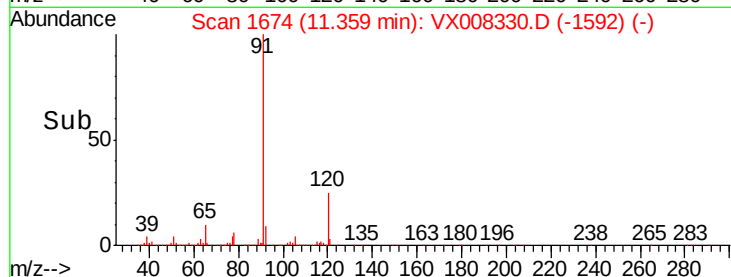
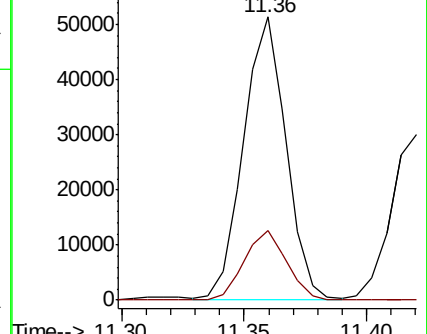
91 100

120 24.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 5.220 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008330.D

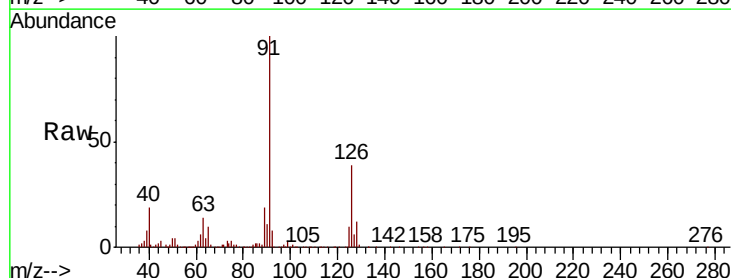
Acq: 22 Mar 2019 10:58

Tgt Ion: 91 Resp: 37829

Ion Ratio Lower Upper

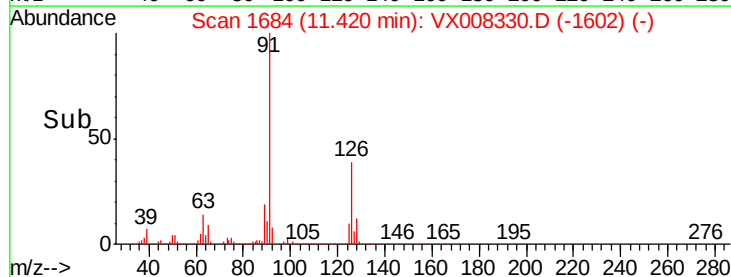
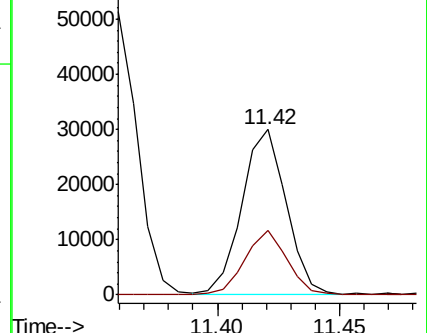
91 100

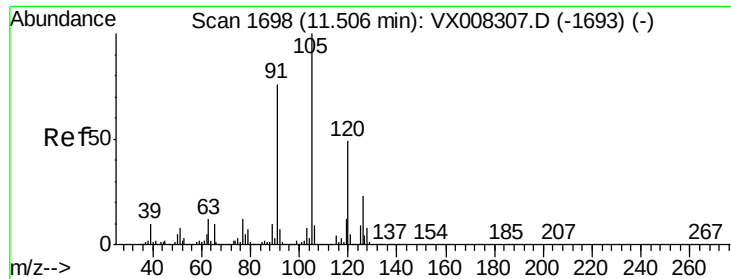
126 37.2 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

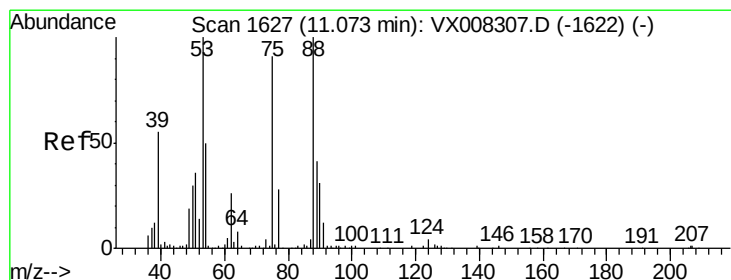
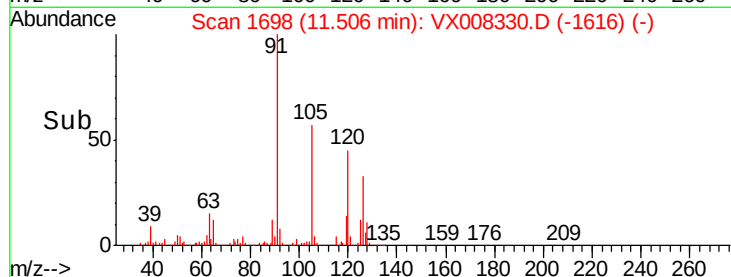
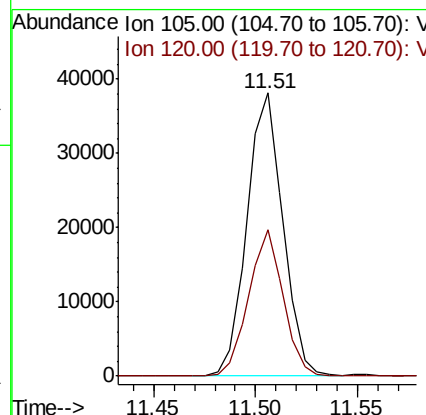
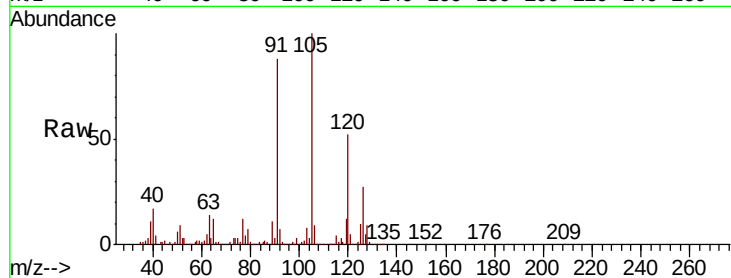




#76
 1,3,5-Trimethylbenzene
 Concen: 5.022 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

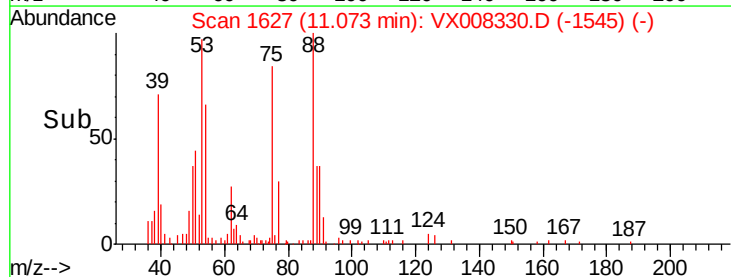
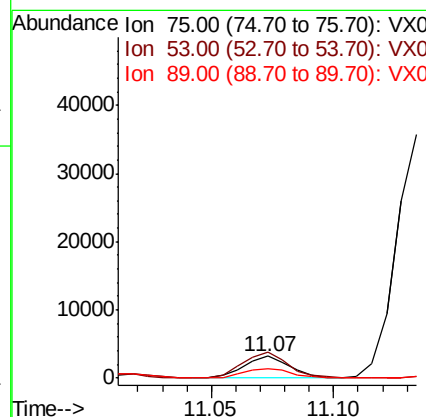
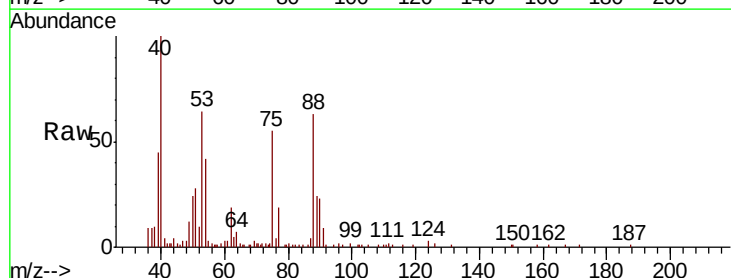
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

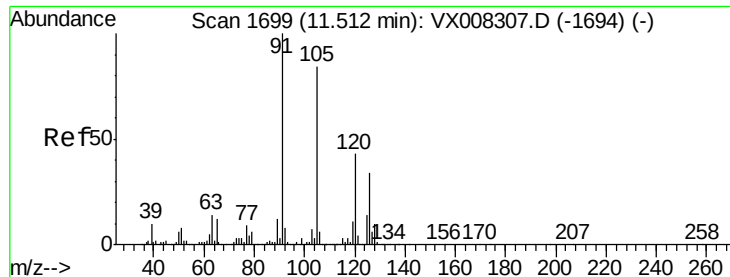
Tgt Ion: 105 Resp: 46701
 Ion Ratio Lower Upper
 105 100
 120 49.4 0.0 101.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 3.773 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 75 Resp: 3997
 Ion Ratio Lower Upper
 75 100
 53 116.2 55.5 166.7
 89 43.9 24.4 73.2





#78

4-Chlorotoluene

Concen: 5.179 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

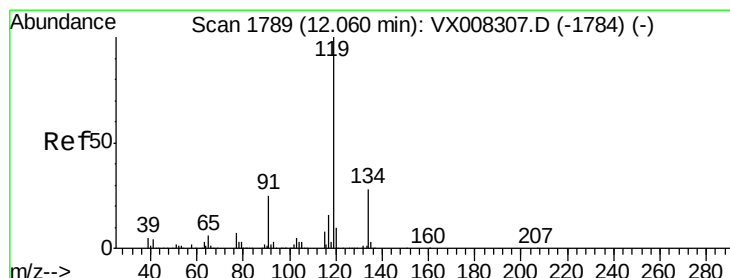
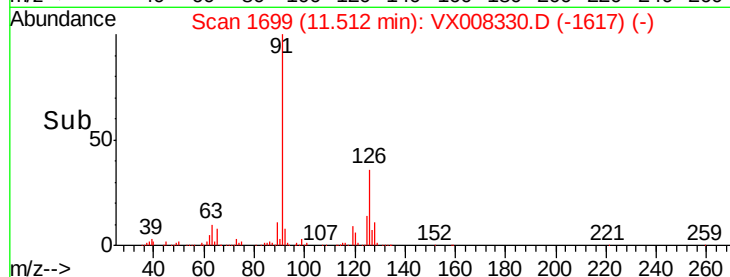
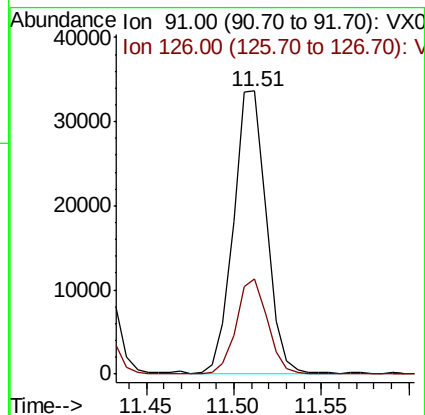
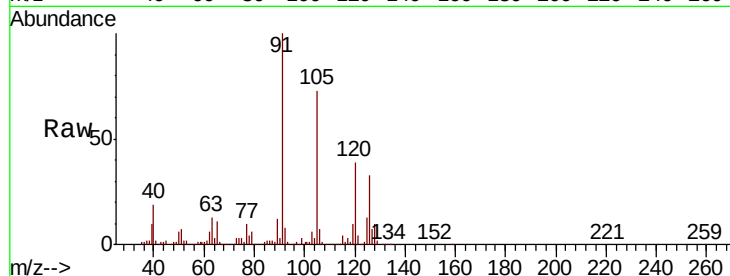
VSTDIC005

Tgt Ion: 91 Resp: 44167

Ion Ratio Lower Upper

91 100

126 31.9 0.0 66.2



#79

tert-butylbenzene

Concen: 4.921 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

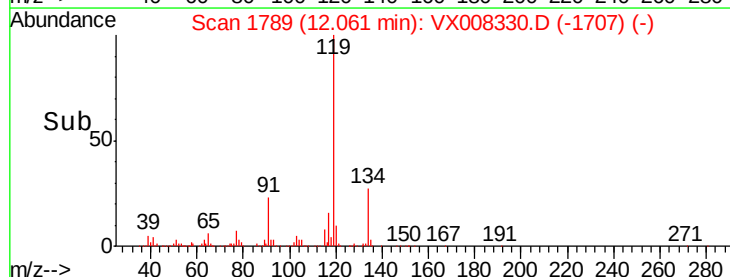
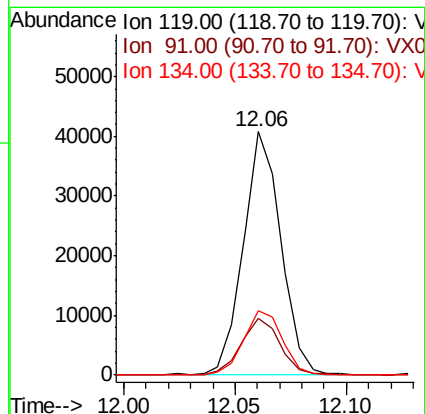
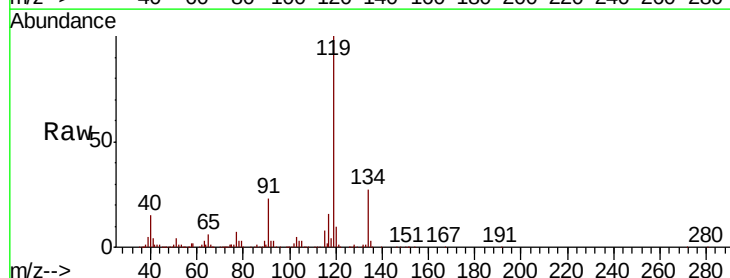
Tgt Ion: 119 Resp: 48138

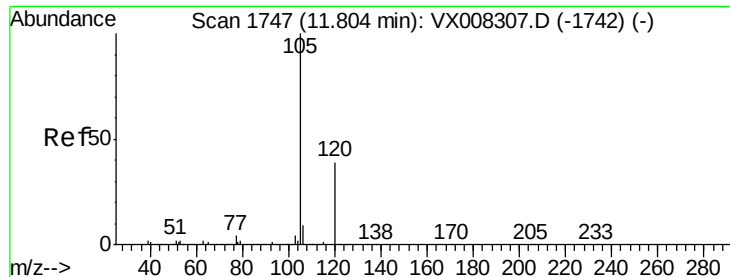
Ion Ratio Lower Upper

119 100

91 23.9 0.0 45.0

134 27.6 0.0 55.4





#80

1,2,4-Trimethylbenzene

Concen: 5.036 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

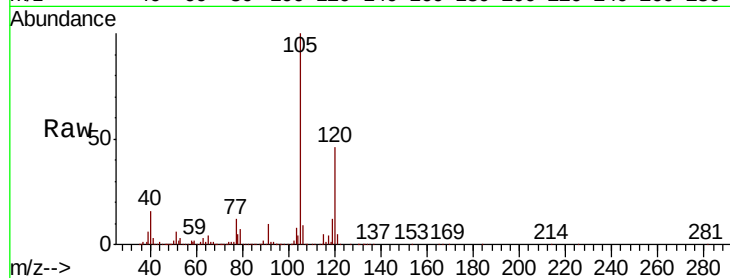
VSTDIC005

Tgt Ion:105 Resp: 46537

Ion Ratio Lower Upper

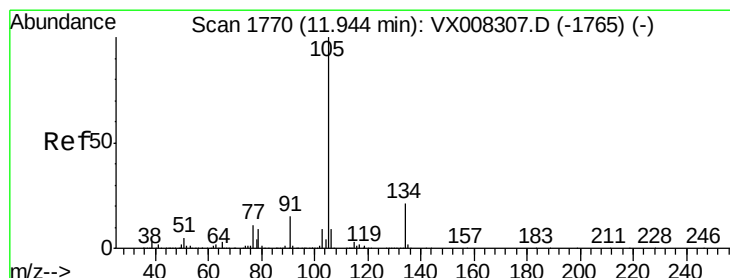
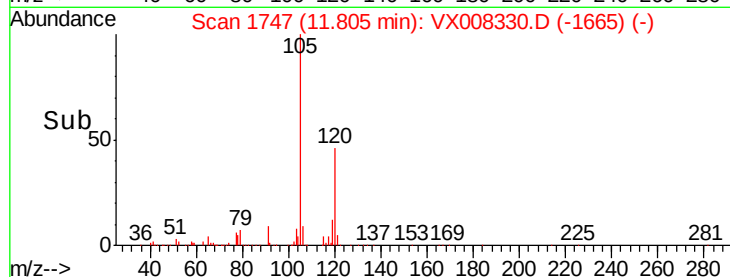
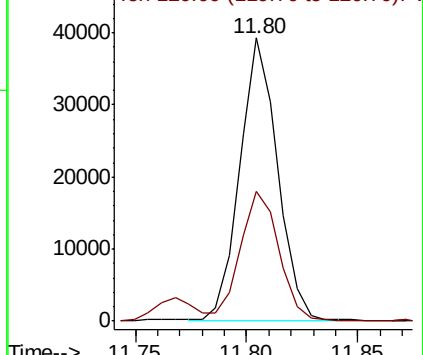
105 100

120 46.6 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 5.330 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008330.D

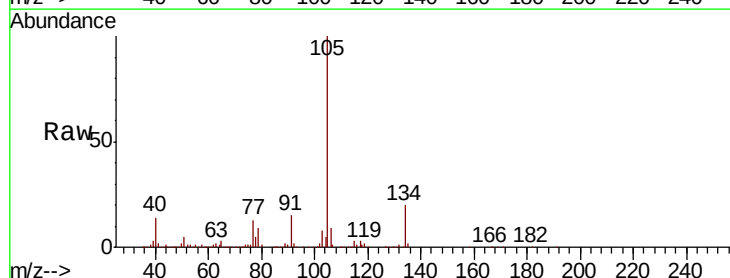
Acq: 22 Mar 2019 10:58

Tgt Ion:105 Resp: 56538

Ion Ratio Lower Upper

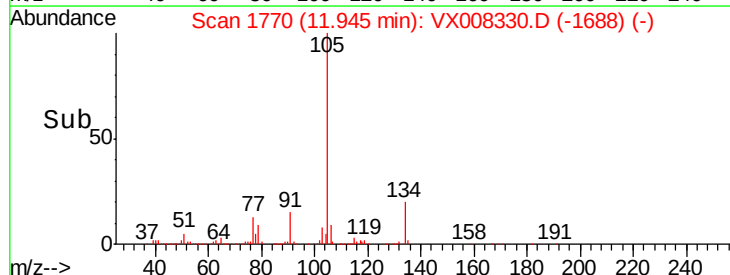
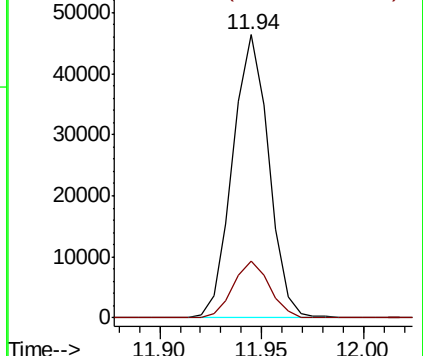
105 100

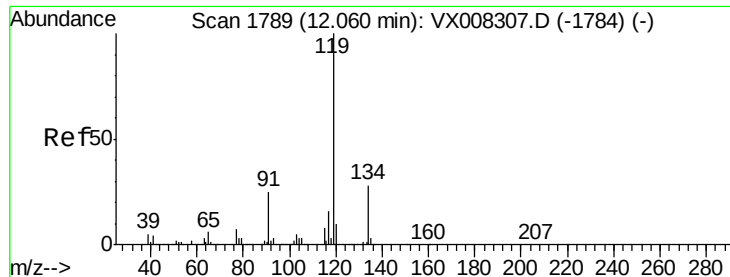
134 20.4 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

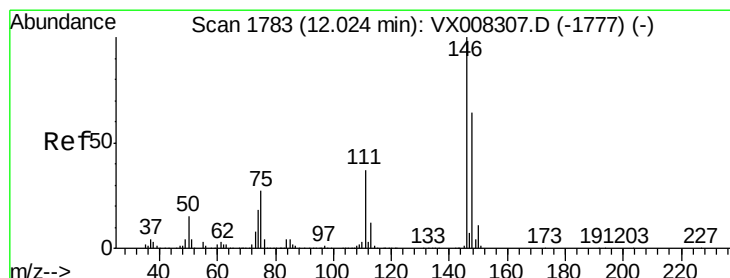
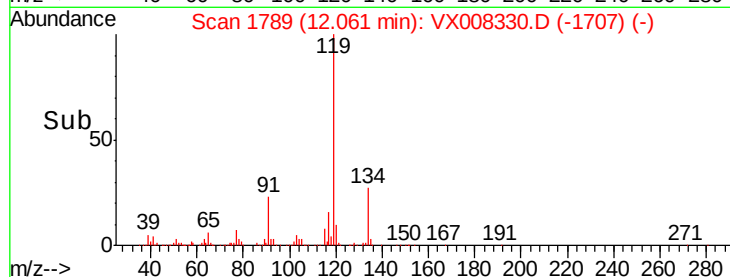
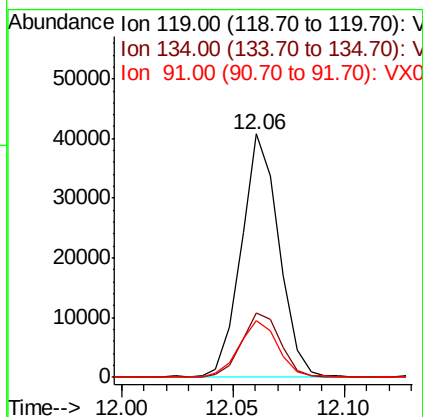
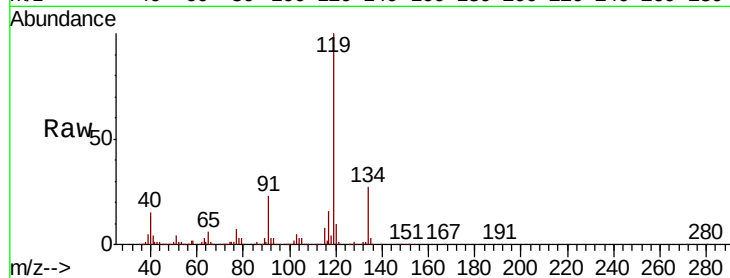




#82
p-Isopropyltoluene
Concen: 4.921 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

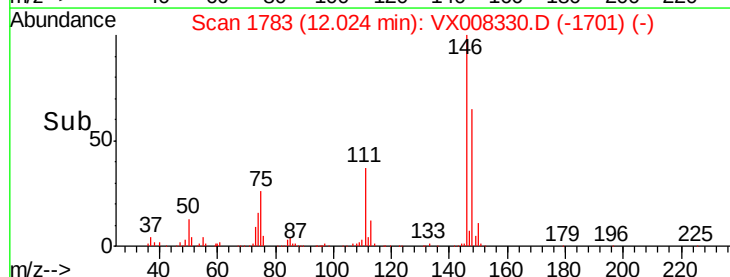
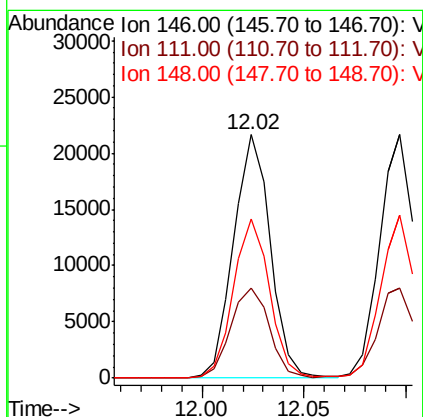
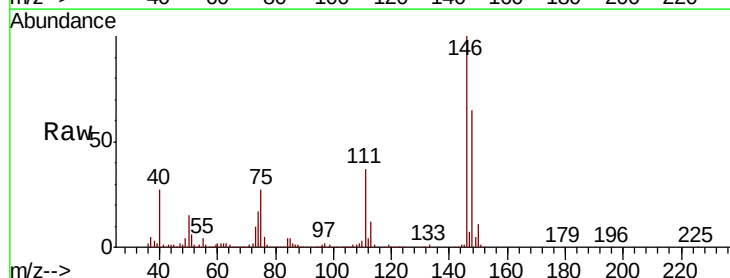
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

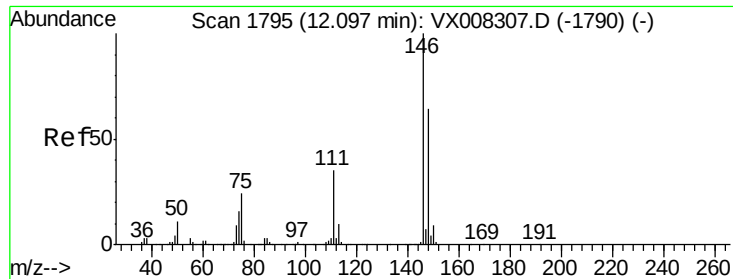
Tgt Ion:119 Resp: 48138
Ion Ratio Lower Upper
119 100
134 27.6 0.0 55.4
91 23.9 0.0 45.0



#83
1,3-Dichlorobenzene
Concen: 5.188 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion:146 Resp: 27124
Ion Ratio Lower Upper
146 100
111 37.6 18.8 56.3
148 64.5 30.6 91.8

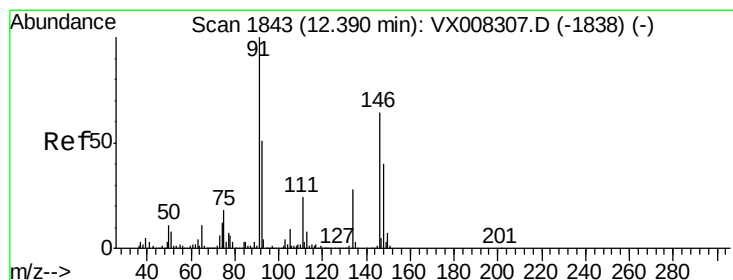
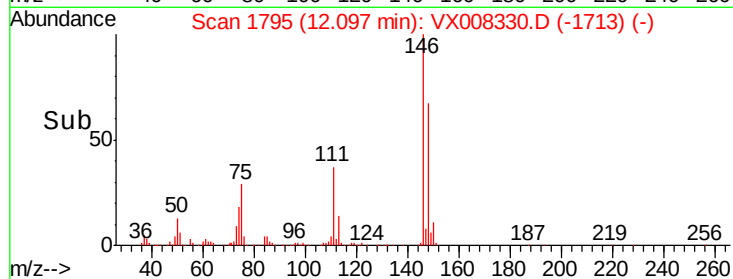
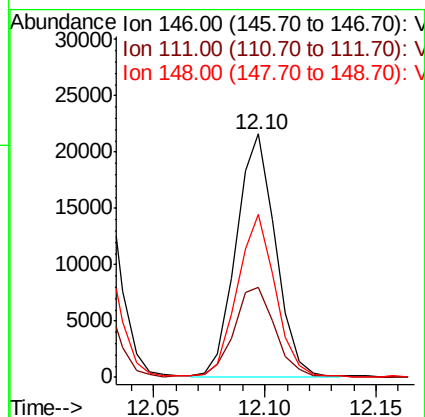
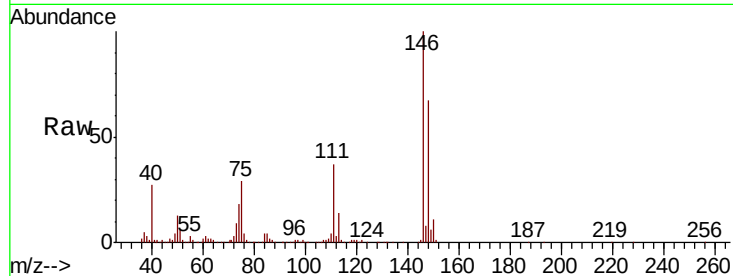




#84
 1,4-Dichlorobenzene
 Concen: 5.128 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

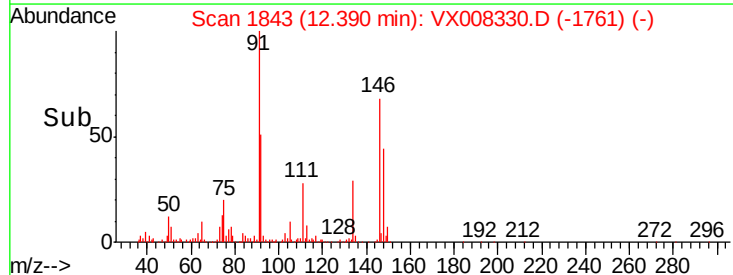
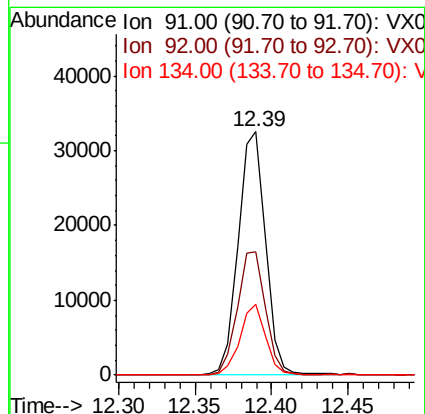
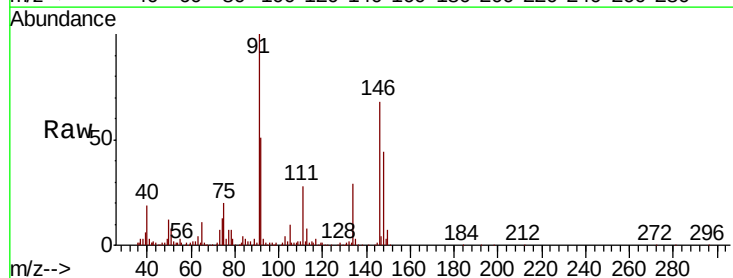
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

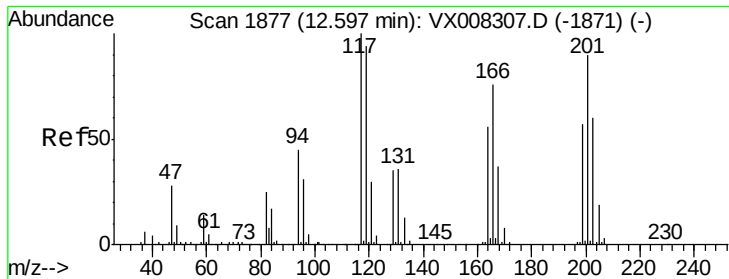
Tgt Ion: 146 Resp: 26698
 Ion Ratio Lower Upper
 146 100
 111 38.1 17.6 52.8
 148 65.1 31.4 94.2



#85
 n-Butylbenzene
 Concen: 4.795 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion: 91 Resp: 40352
 Ion Ratio Lower Upper
 91 100
 92 52.2 0.0 105.2
 134 27.3 0.0 56.4

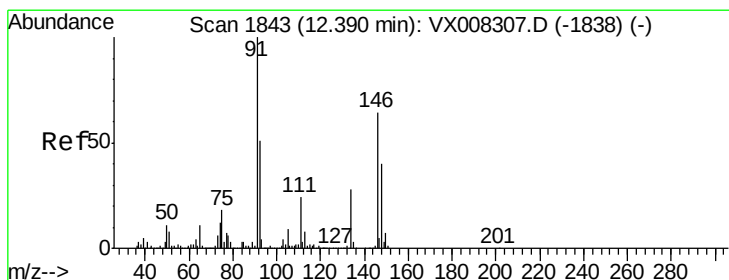
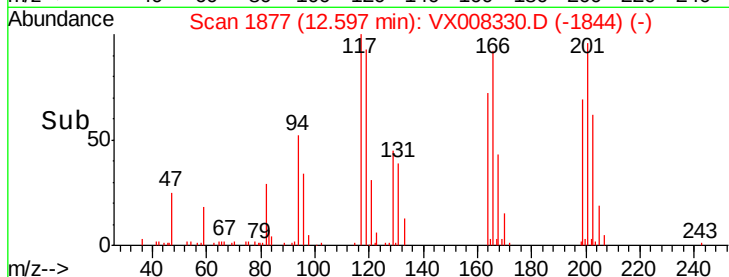
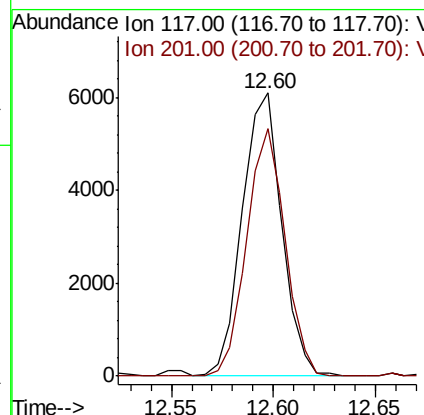
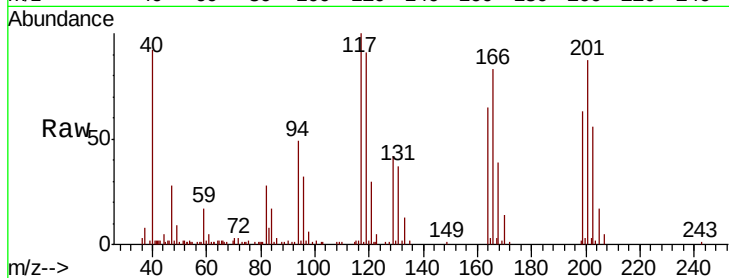




#86
Hexachloroethane
Concen: 4.871 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

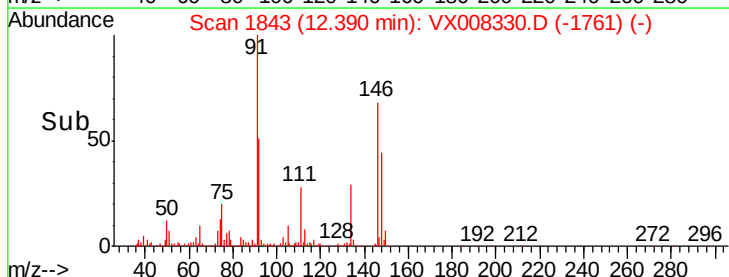
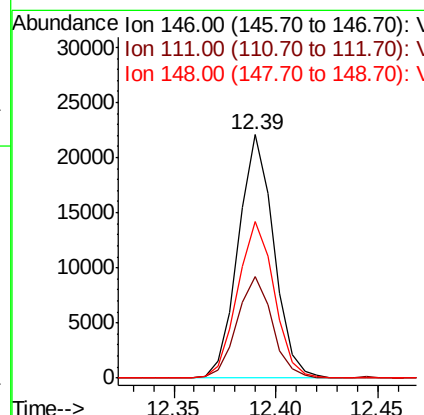
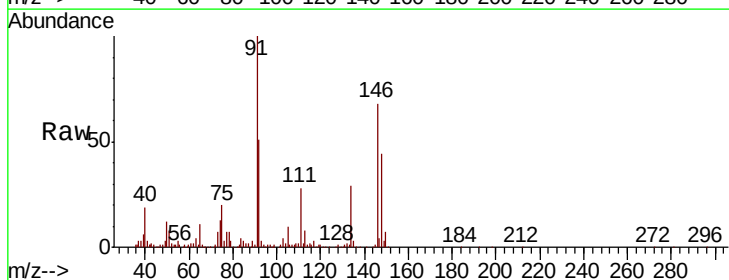
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

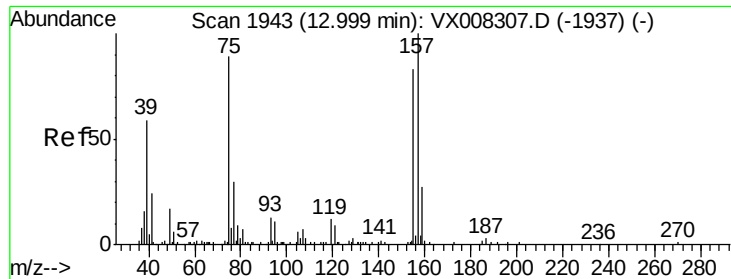
Tgt Ion:117 Resp: 8213
Ion Ratio Lower Upper
117 100
201 84.5 41.1 123.3



#87
1,2-Dichlorobenzene
Concen: 5.130 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion:146 Resp: 26448
Ion Ratio Lower Upper
146 100
111 41.7 19.3 57.8
148 67.3 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 4.941 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

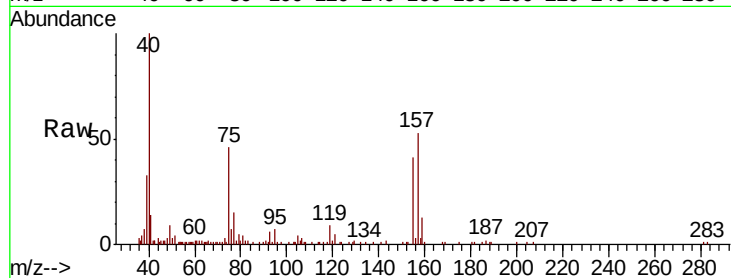
Tgt Ion: 75 Resp: 4199

Ion Ratio Lower Upper

75 100

155 83.5 81.0 121.6

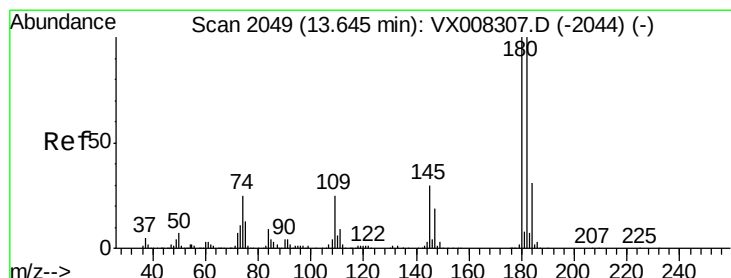
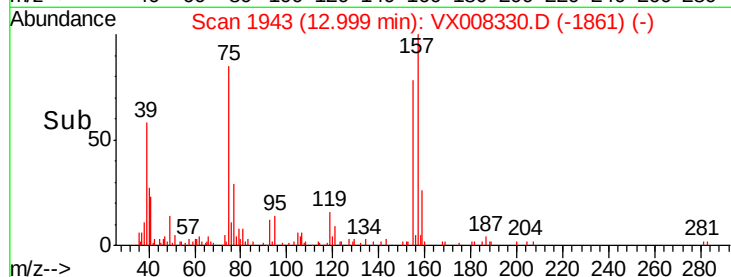
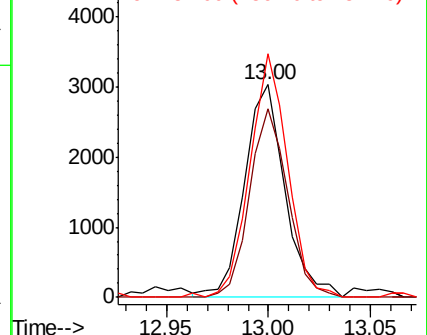
157 106.3 103.2 154.8



Abundance Ion 75.00 (74.70 to 75.70): VX008330.D (-1937) (-)

Ion 155.00 (154.70 to 155.70): VX008330.D (-1937) (-)

Ion 157.00 (156.70 to 157.70): VX008330.D (-1937) (-)



#89

1,2,4-Trichlorobenzene

Concen: 4.777 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

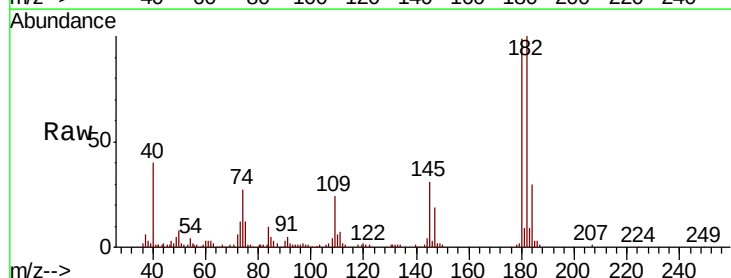
Tgt Ion: 180 Resp: 17429

Ion Ratio Lower Upper

180 100

182 96.8 75.6 113.4

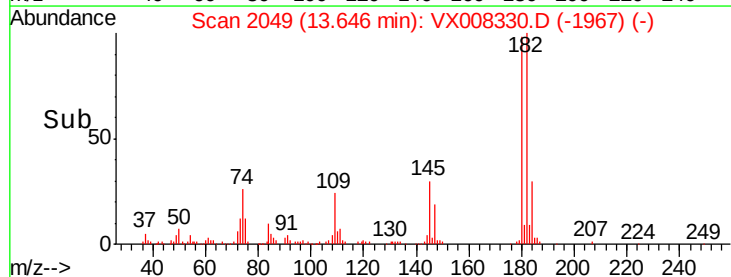
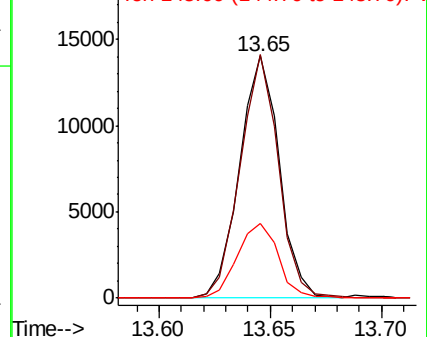
145 32.1 23.0 34.6

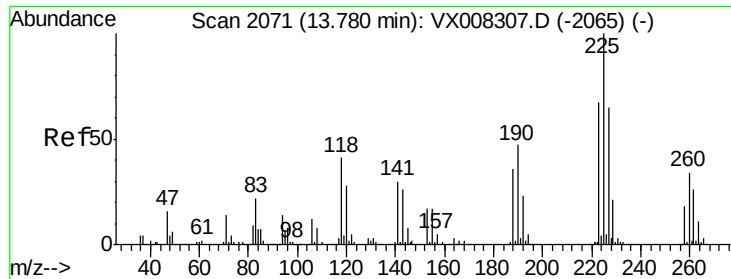


Abundance Ion 180.00 (179.70 to 180.70): VX008330.D (-2044) (-)

Ion 182.00 (181.70 to 182.70): VX008330.D (-2044) (-)

Ion 145.00 (144.70 to 145.70): VX008330.D (-2044) (-)

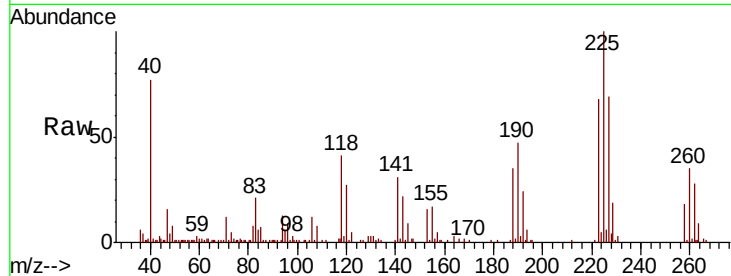




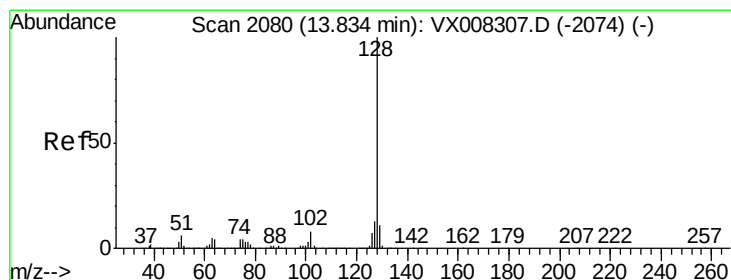
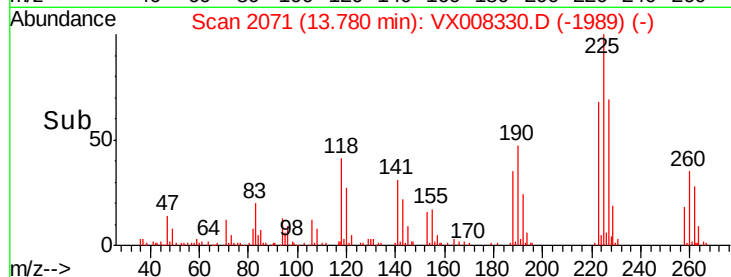
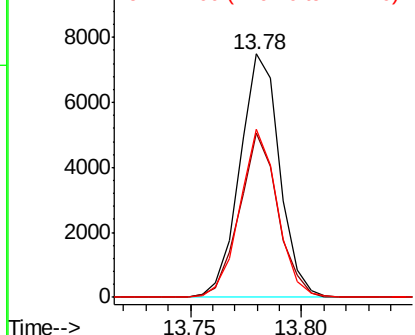
#90
Hexachlorobutadiene
Concen: 5.092 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 225 Resp: 9353
Ion Ratio Lower Upper
225 100
223 65.0 0.0 123.8
227 65.3 0.0 124.4

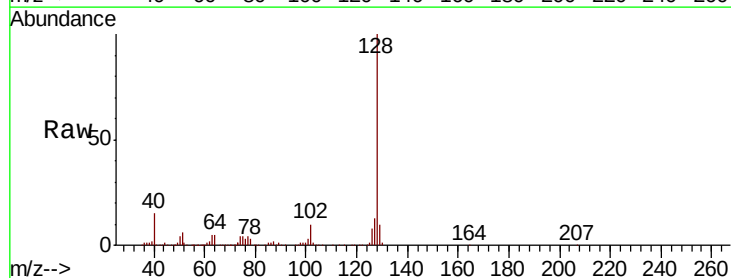


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

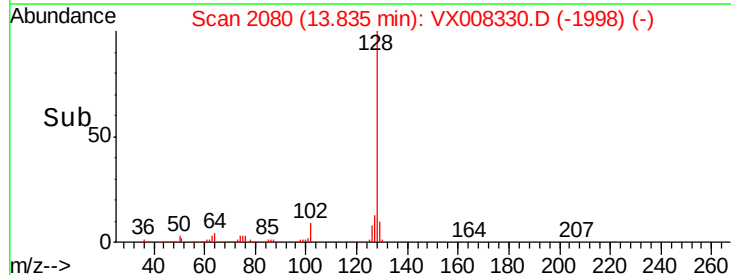
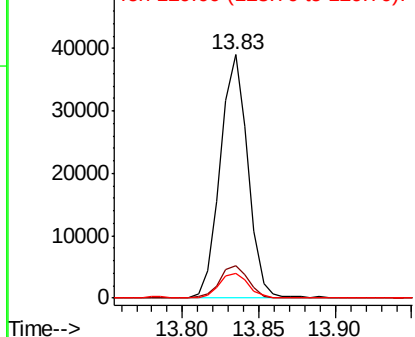


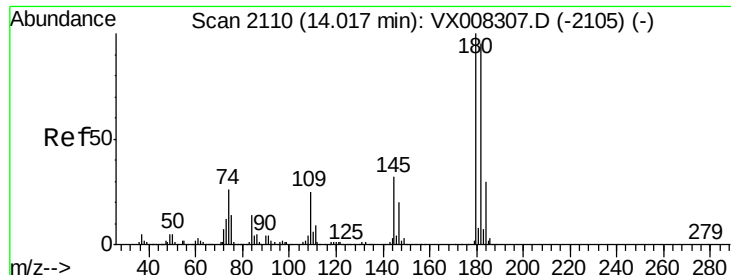
#91
Naphthalene
Concen: 4.464 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion: 128 Resp: 48923
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 10.7 8.9 13.3



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

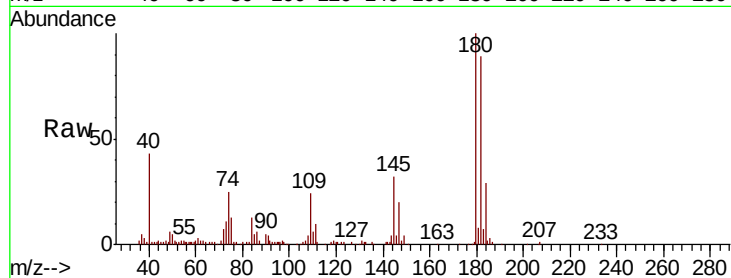




#92
 1,2,3-Trichlorobenzene
 Concen: 4.828 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	0.0	193.0
145	32.0	0.0	63.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

