

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011868.D
 Acq On : 28 Aug 2019 10:41
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 29 06:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	353139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	486836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	422334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	204791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	15846	5.06	ug/l	0.00
Spiked Amount			Recovery	=	10.12%	
35) Dibromofluoromethane	5.48	113	13767	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
50) Toluene-d8	8.71	98	62660	5.69	ug/l	0.00
Spiked Amount			Recovery	=	11.38%	
62) 4-Bromofluorobenzene	11.13	95	41555	9.46	ug/l	0.00
Spiked Amount			Recovery	=	18.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	12224	5.583	ug/l	100
3) Chloromethane	1.32	50	17216	6.201	ug/l	98
4) Vinyl Chloride	1.40	62	14002	5.528	ug/l	99
5) Bromomethane	1.63	94	9396	6.326	ug/l	100
6) Chloroethane	1.71	64	8928	5.505	ug/l	99
7) Trichlorofluoromethane	1.92	101	23253	5.585	ug/l	97
8) Diethyl Ether	2.18	74	6842	5.389	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14312	5.349	ug/l	96
10) Methyl Iodide	2.50	142	11533	4.191	ug/l	96
11) Tert butyl alcohol	3.02	59	8032	14.404	ug/l #	87
12) 1,1-Dichloroethene	2.36	96	13382	5.055	ug/l	98
13) Acrolein	2.28	56	3373	28.550	ug/l #	77
14) Allyl chloride	2.71	41	23751	5.312	ug/l	100
15) Acrylonitrile	3.13	53	16997	25.191	ug/l	97
16) Acetone	2.43	43	42729	27.457	ug/l	100
17) Carbon Disulfide	2.56	76	43403	5.431	ug/l	100
18) Methyl Acetate	2.76	43	17524	1.333	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	36697	5.100	ug/l	99
20) Methylene Chloride	2.84	84	21123	5.285	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	15815	5.283	ug/l	97
22) Diisopropyl ether	3.84	45	44706	5.036	ug/l #	84
23) Vinyl Acetate	3.80	43	96169	24.613	ug/l	99
24) 1,1-Dichloroethane	3.68	63	27224	5.200	ug/l	100
25) 2-Butanone	4.67	43	22816	24.852	ug/l	99
26) 2,2-Dichloropropane	4.57	77	23150	5.423	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	17645	5.166	ug/l	89
28) Bromochloromethane	4.99	49	10771	4.583	ug/l	99
29) Tetrahydrofuran	5.12	42	12621	23.231	ug/l	94
30) Chloroform	5.20	83	29437	5.374	ug/l	98
31) Cyclohexane	5.57	56	24456	5.365	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	26183	5.315	ug/l	99
36) 1,1-Dichloropropene	5.78	75	21046	5.256	ug/l	99
37) Ethyl Acetate	4.82	43	8446	5.016	ug/l	95
38) Carbon Tetrachloride	5.77	117	20574	5.273	ug/l	96

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 Data File : VX011868.D
 Acq On : 28 Aug 2019 10:41
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 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 29 06:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	26574	5.430	ug/l	98
40) Benzene	6.13	78	59622	5.162	ug/l	96
41) Methacrylonitrile	5.03	41	5716	5.004	ug/l #	92
42) 1,2-Dichloroethane	6.18	62	18433	5.026	ug/l	98
43) Isopropyl Acetate	6.43	43	15919	4.812	ug/l #	95
44) Trichloroethene	7.20	130	20242	5.213	ug/l	99
45) 1,2-Dichloropropane	7.50	63	14523	5.053	ug/l	95
46) Dibromomethane	7.65	93	9098	5.343	ug/l	92
47) Bromodichloromethane	7.89	83	20226	5.052	ug/l	98
48) Methyl methacrylate	7.76	41	7926	4.791	ug/l	100
49) 1,4-Dioxane	7.74	88	1771	99.345	ug/l #	73
51) 4-Methyl-2-Pentanone	8.63	43	30314	22.748	ug/l	99
52) Toluene	8.77	92	38603	5.186	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	17050	4.998	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	21501	4.992	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	10819	4.875	ug/l	98
56) Ethyl methacrylate	9.18	69	9823	4.540	ug/l	96
57) 1,3-Dichloropropane	9.37	76	18698	5.070	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	18273	50.057	ug/l	100
59) 2-Hexanone	9.49	43	18696	21.954	ug/l	100
60) Dibromochloromethane	9.58	129	14737	4.991	ug/l	100
61) 1,2-Dibromoethane	9.66	107	11225	5.166	ug/l	93
64) Tetrachloroethene	9.33	164	22828	5.555	ug/l	98
65) Chlorobenzene	10.13	112	41112	5.256	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	14913	5.197	ug/l	97
67) Ethyl Benzene	10.24	91	70832	5.272	ug/l	99
68) m/p-Xylenes	10.35	106	52633	10.292	ug/l	98
69) o-Xylene	10.69	106	24699	5.132	ug/l	99
70) Styrene	10.71	104	39577	4.973	ug/l	100
71) Bromoform	10.85	173	9410	5.061	ug/l #	96
73) Isopropylbenzene	11.01	105	65116	5.506	ug/l	100
74) N-amyl acetate	6.43	43	15919	5.346	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	10864	5.490	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	8139m	5.174	ug/l	
77) Bromobenzene	11.25	156	17679	5.362	ug/l	99
78) n-propylbenzene	11.35	91	69723	5.360	ug/l	99
79) 2-Chlorotoluene	11.41	91	44514	5.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	53406	5.383	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2338	5.471	ug/l #	86
82) 4-Chlorotoluene	11.51	91	50858	5.381	ug/l	98
83) tert-Butylbenzene	11.77	119	49619	5.381	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	50494	5.365	ug/l	99
85) sec-Butylbenzene	11.94	105	57230	5.343	ug/l	100
86) p-Isopropyltoluene	12.06	119	52305	5.302	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	31963	5.399	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	30248	5.276	ug/l	93
89) n-Butylbenzene	12.38	91	43386	5.301	ug/l	98
90) Hexachloroethane	12.59	117	9041	5.710	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	26480	5.240	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1608	5.772	ug/l	92

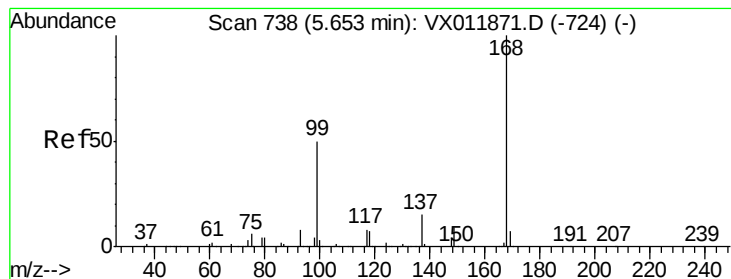
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
Data File : VX011868.D
Acq On : 28 Aug 2019 10:41
Operator : SY/SP
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Aug 29 06:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	17583	5.013	ug/l	98
94) Hexachlorobutadiene	13.78	225	13496	5.277	ug/l	99
95) Naphthalene	13.83	128	20253	4.802	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	13875	4.876	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

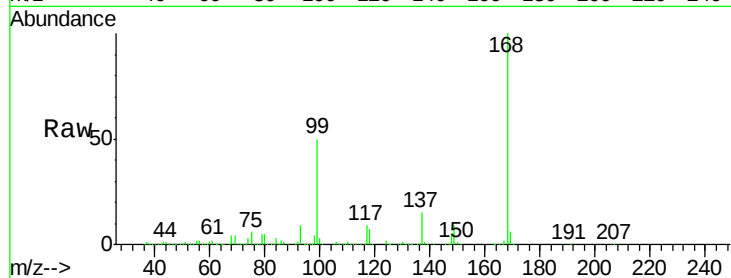
VSTDIC005

Tot Ion:168 Resp: 353139

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

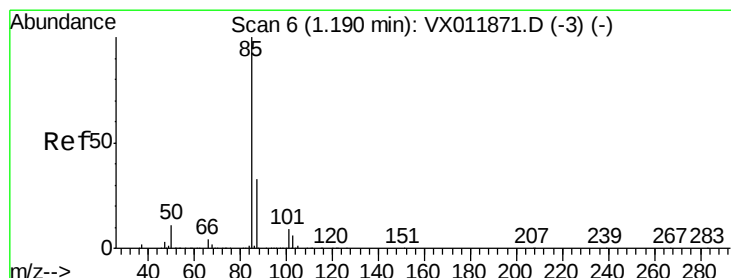
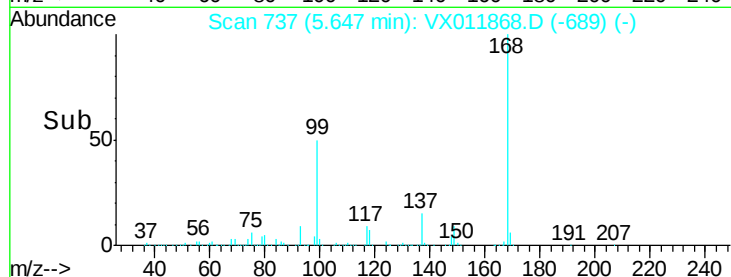
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 5.583 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011868.D

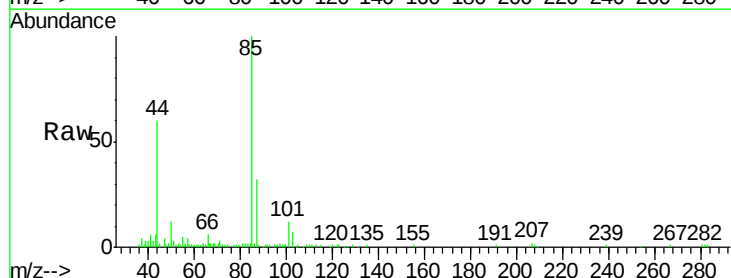
Acq: 28 Aug 2019 10:41

Tgt Ion: 85 Resp: 12224

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

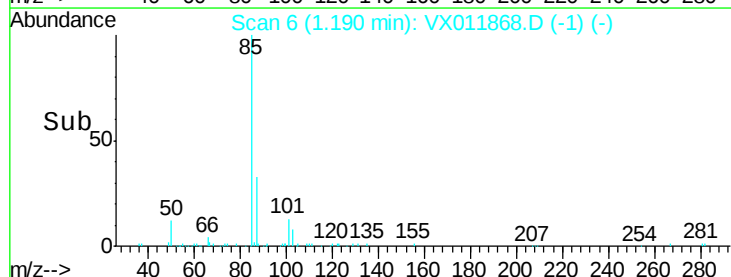
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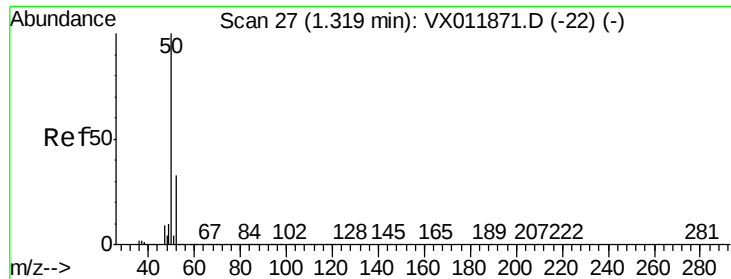
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 6.201 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

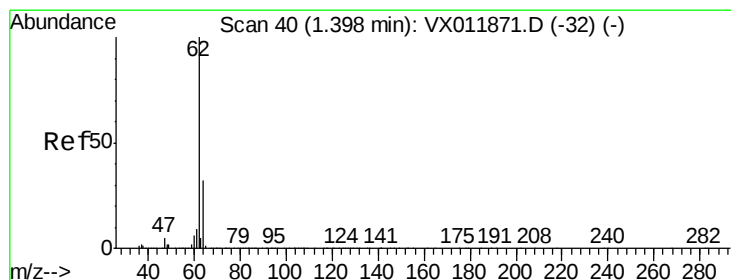
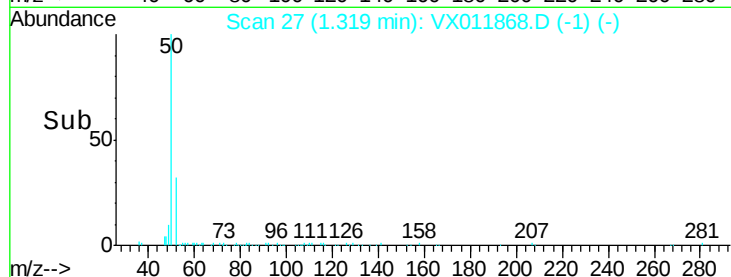
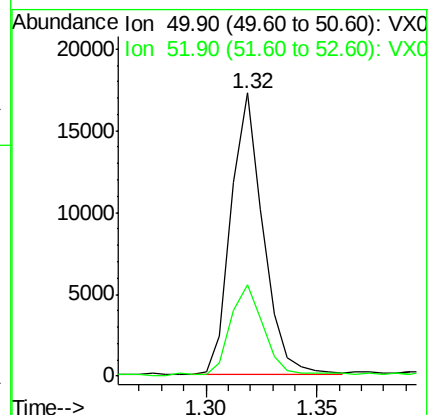
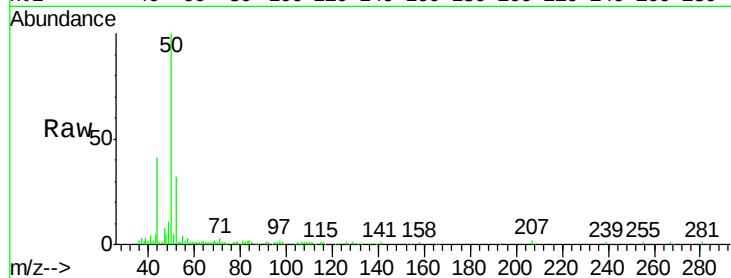
VSTDIC005

Tot Ion: 50 Resp: 17216

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 5.528 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011868.D

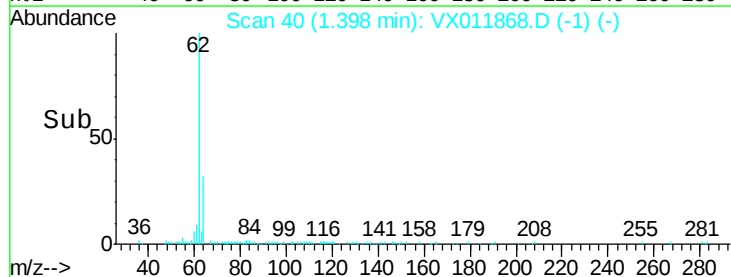
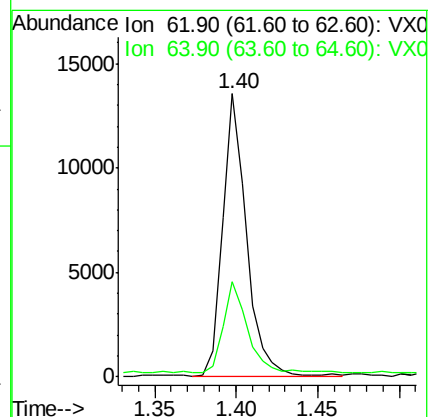
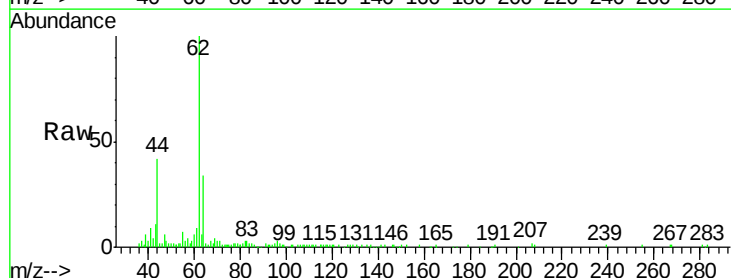
Acq: 28 Aug 2019 10:41

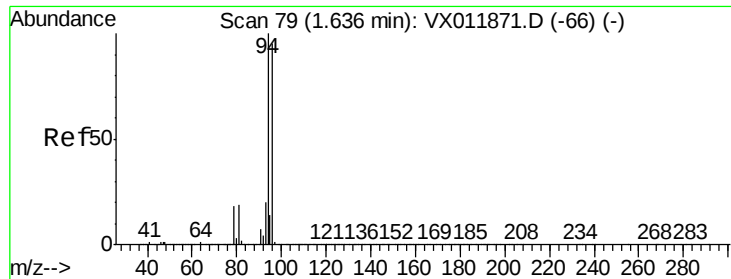
Tgt Ion: 62 Resp: 14002

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 6.326 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

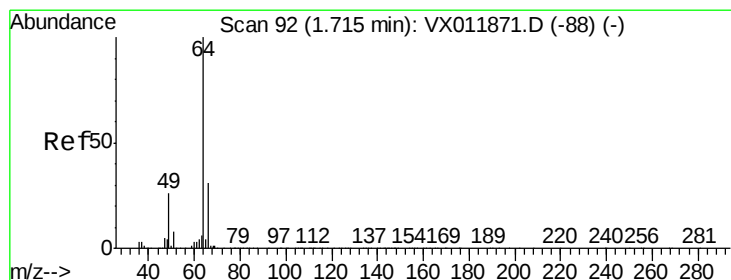
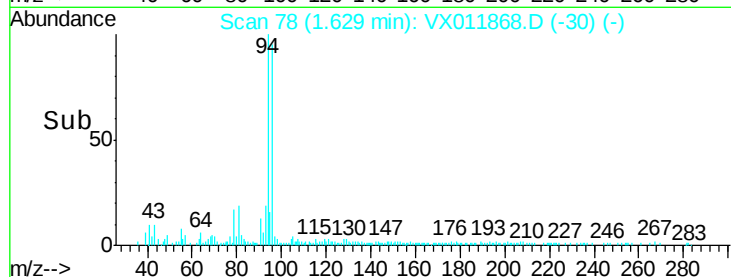
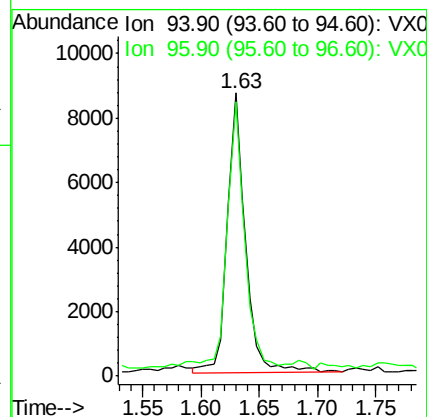
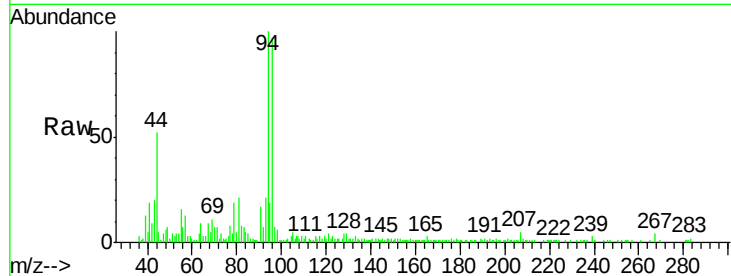
VSTDIC005

Tot Ion: 94 Resp: 9396

Ion Ratio Lower Upper

94 100

96 95.1 76.0 114.0



#6

Chloroethane

Concen: 5.505 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011868.D

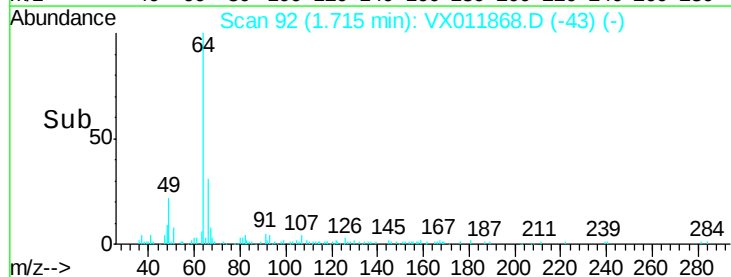
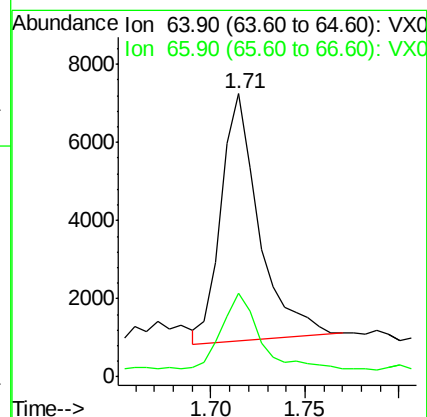
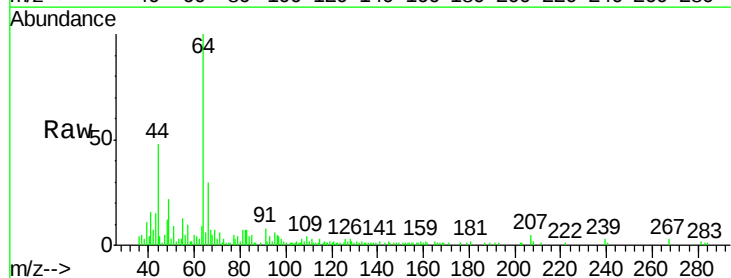
Acq: 28 Aug 2019 10:41

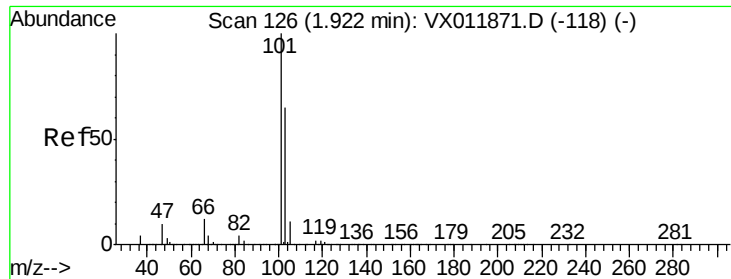
Tgt Ion: 64 Resp: 8928

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4



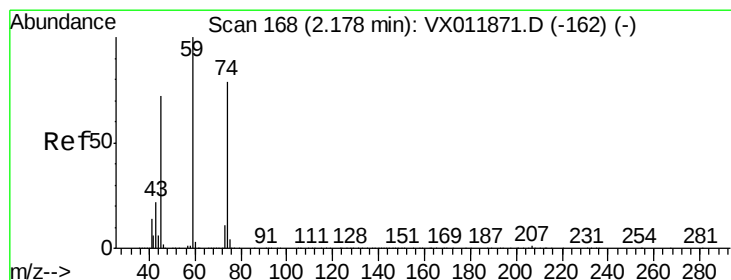
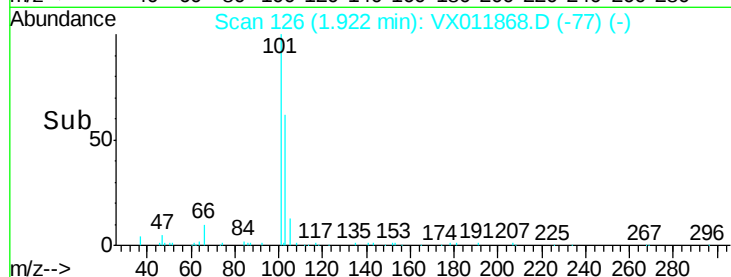
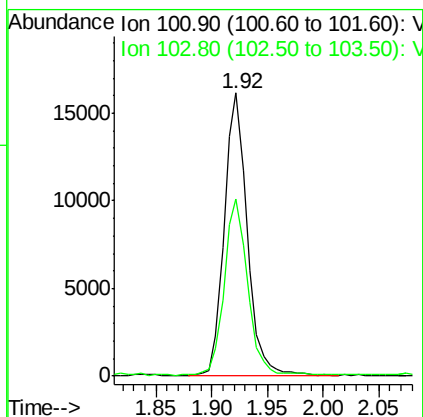
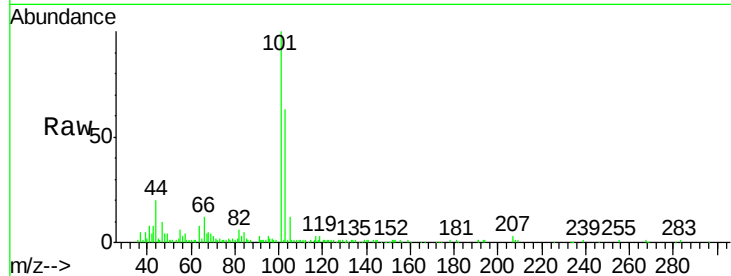


#7

Trichlorofluoromethane
Concen: 5.585 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

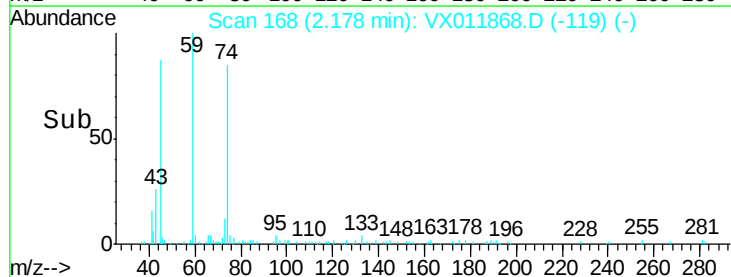
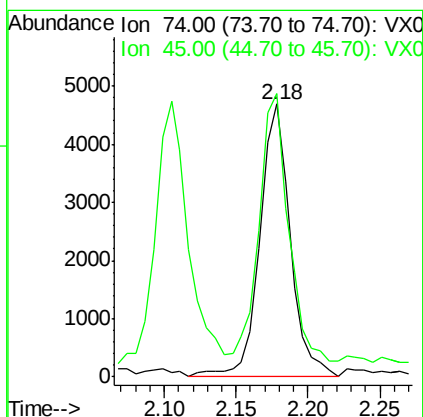
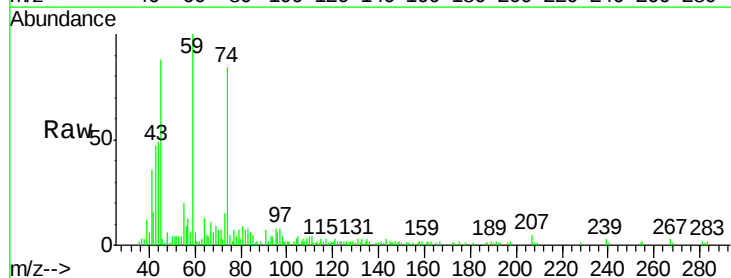
Tot Ion:101 Resp: 23253
Ion Ratio Lower Upper
101 100
103 62.1 51.8 77.8

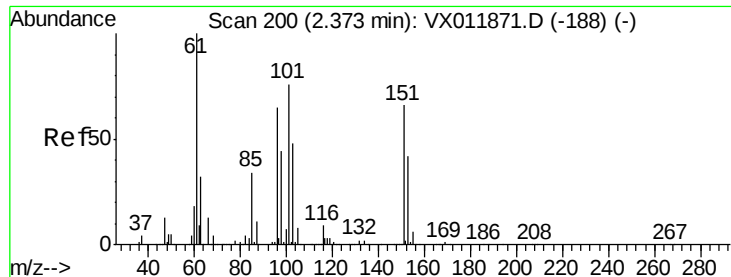


#8

Diethyl Ether
Concen: 5.389 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 74 Resp: 6842
Ion Ratio Lower Upper
74 100
45 94.9 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.349 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

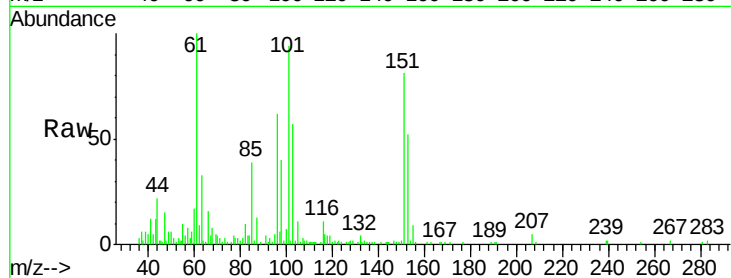
Tot Ion:101 Resp: 14312

Ion Ratio Lower Upper

101 100

85 47.2 34.5 51.7

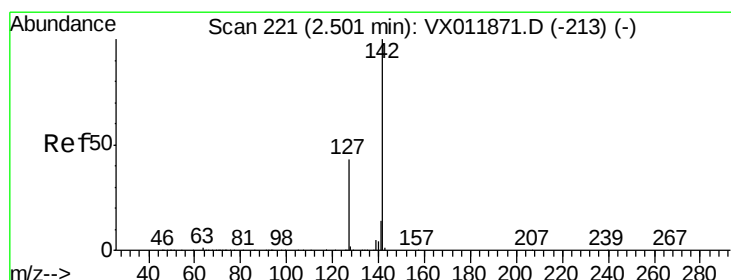
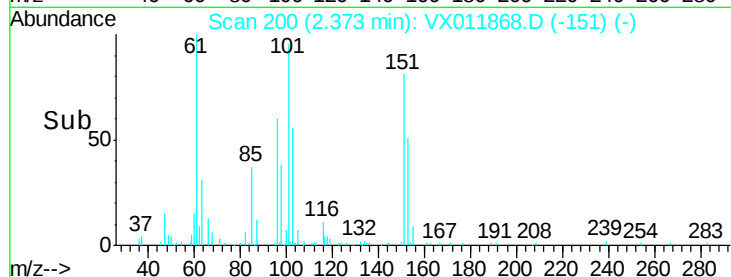
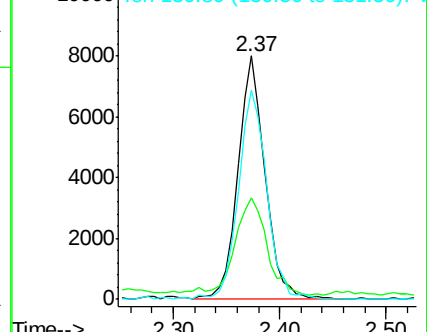
151 89.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.191 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

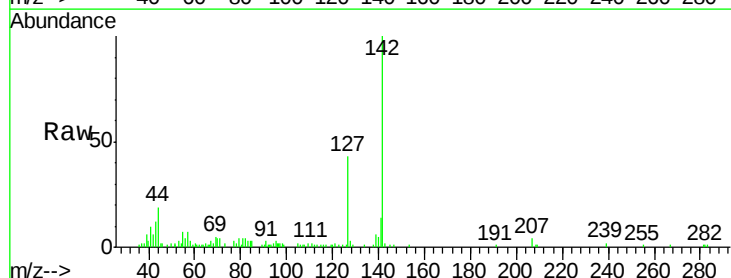
Tgt Ion:142 Resp: 11533

Ion Ratio Lower Upper

142 100

127 45.8 34.5 51.7

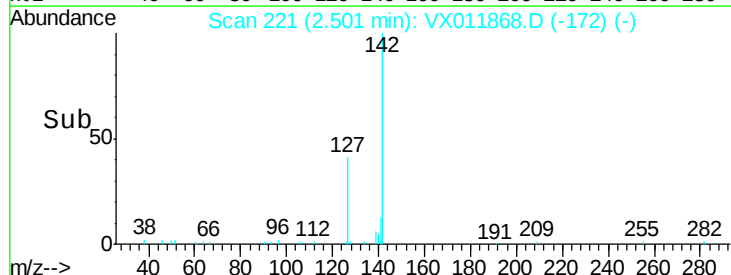
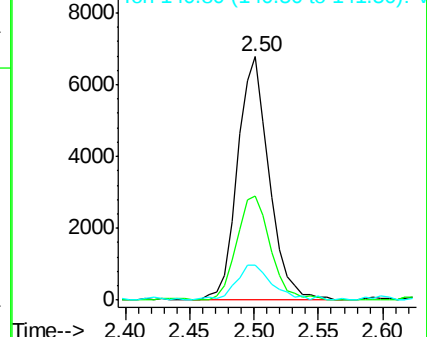
141 16.5 11.6 17.4

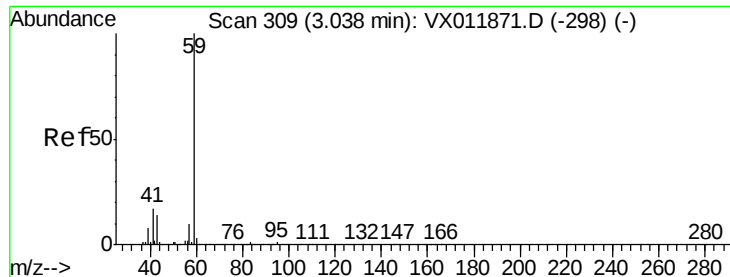


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



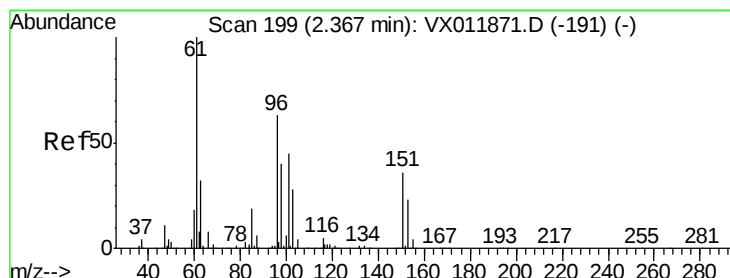
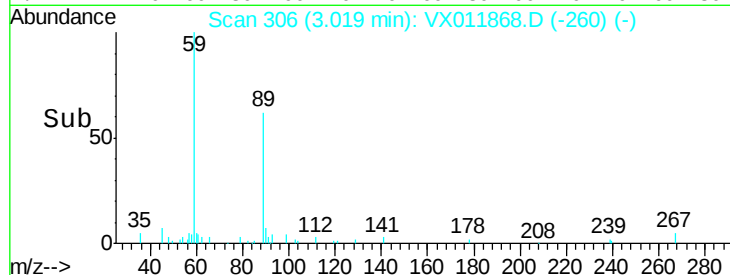
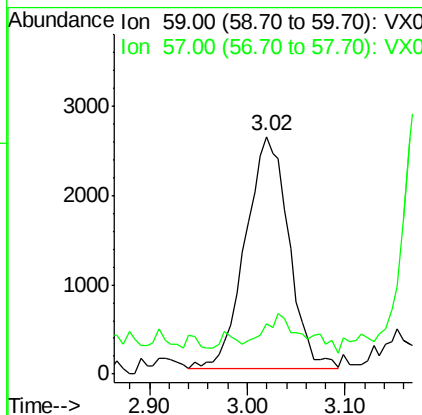
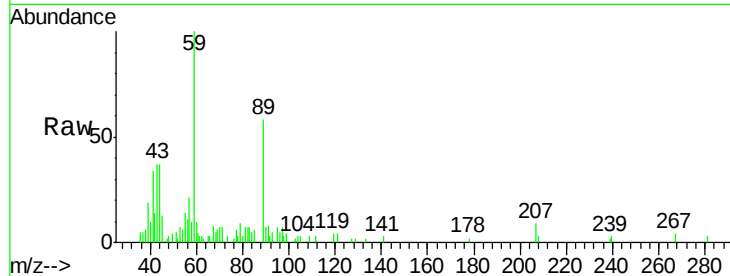


#11

Tert butyl alcohol
Concen: 14.404 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

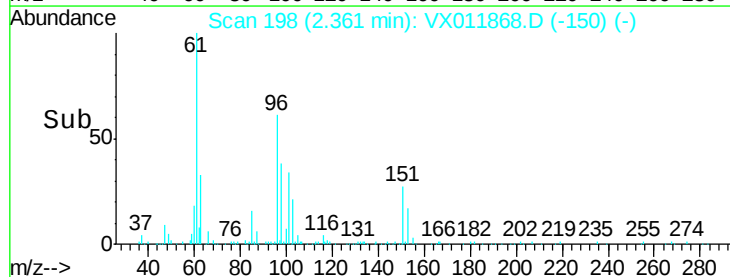
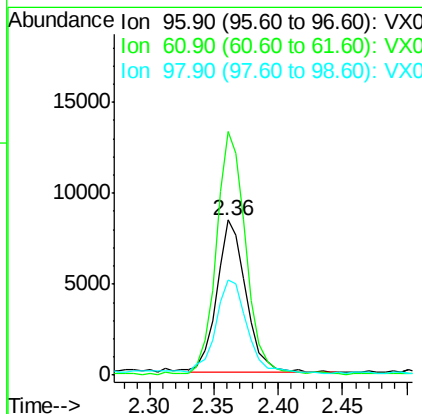
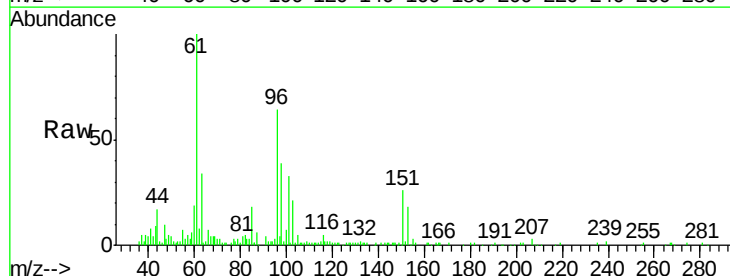
Tot Ion: 59 Resp: 8032
Ion Ratio Lower Upper
59 100
57 15.4 8.3 12.5#

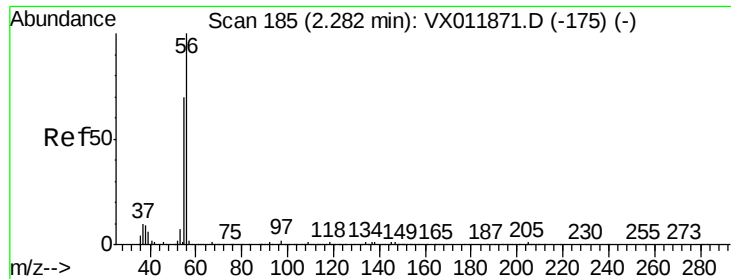


#12

1,1-Dichloroethene
Concen: 5.055 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 96 Resp: 13382
Ion Ratio Lower Upper
96 100
61 158.9 128.0 192.0
98 60.1 51.4 77.2





#13

Acrolein

Concen: 28.550 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

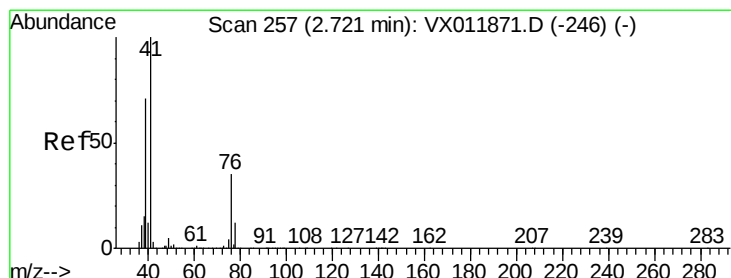
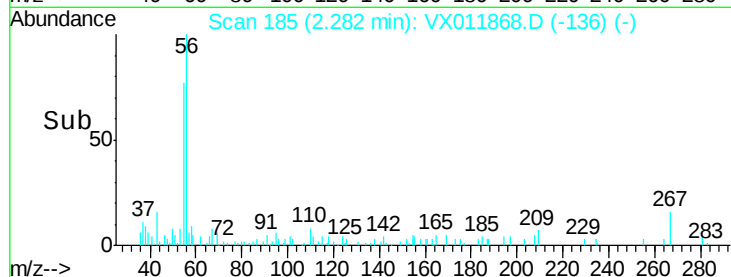
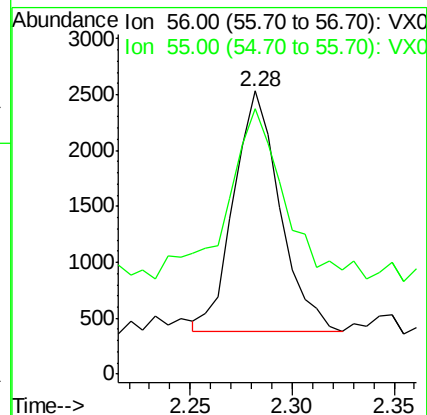
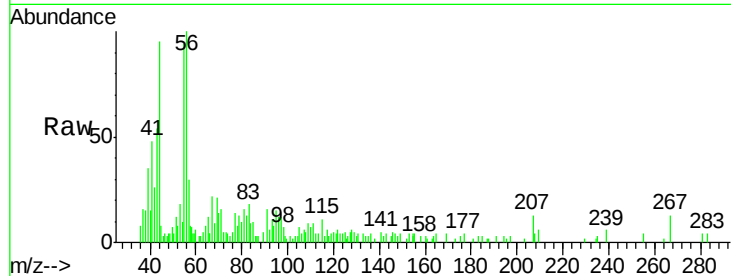
VSTDIC005

Tot Ion: 56 Resp: 3373

Ion Ratio Lower Upper

56 100

55 94.8 60.2 90.4#



#14

Allyl chloride

Concen: 5.312 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

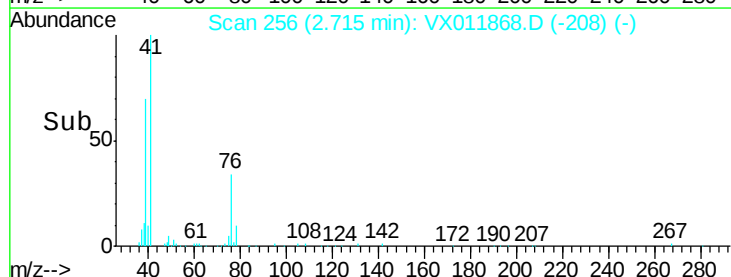
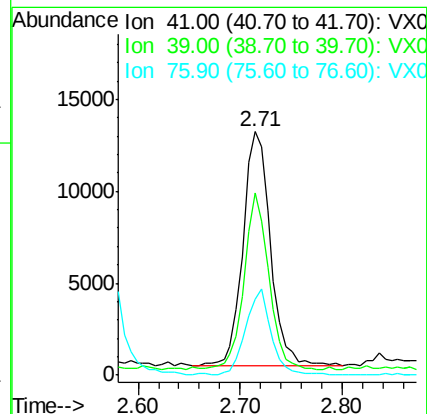
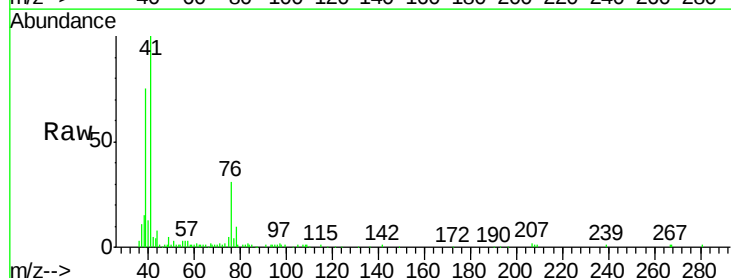
Tgt Ion: 41 Resp: 23751

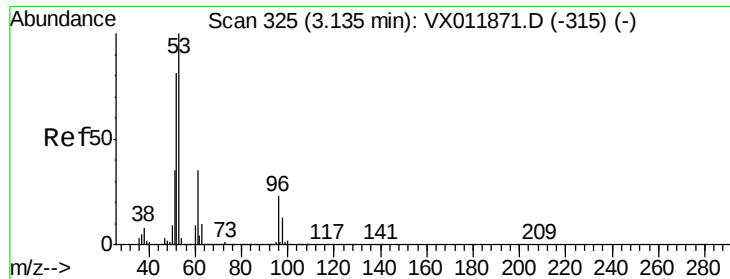
Ion Ratio Lower Upper

41 100

39 67.9 54.6 82.0

76 34.1 27.1 40.7

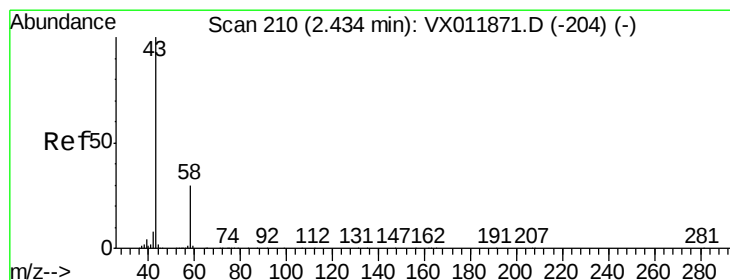
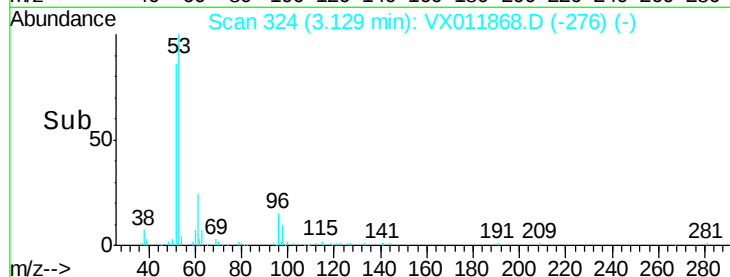
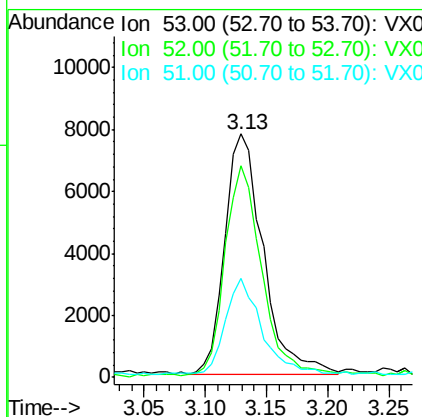
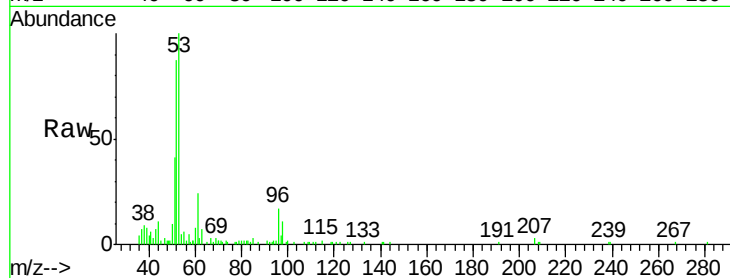




#15
 Acrylonitrile
 Concen: 25.191 ug/l
 RT: 3.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

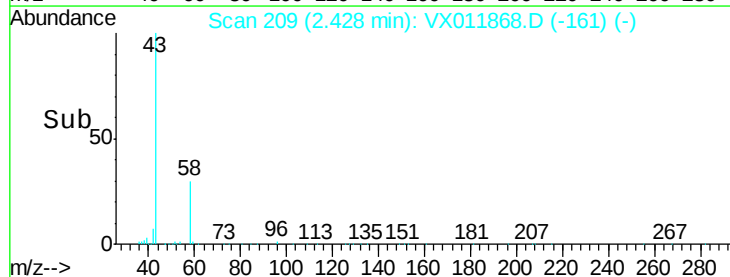
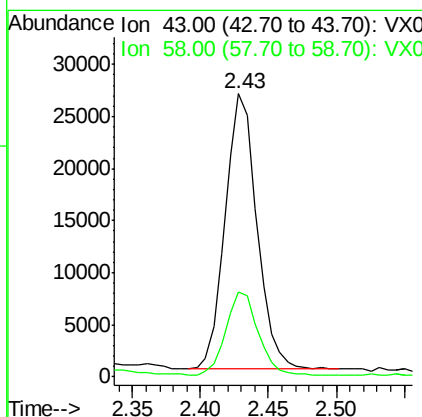
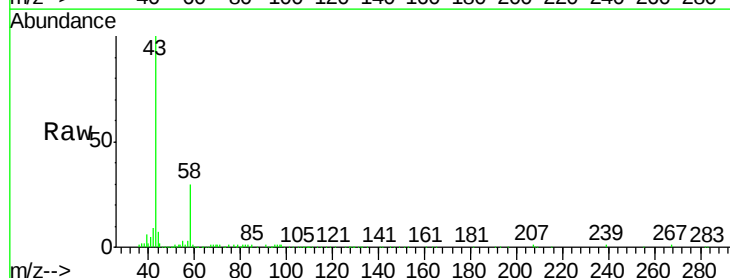
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

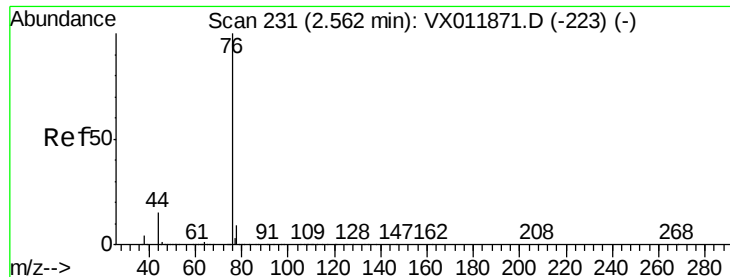
Tot Ion:	53	Resp:	16997
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.1	29.1	43.7



#16
 Acetone
 Concen: 27.457 ug/l
 RT: 2.43 min Scan# 209
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion:	43	Resp:	42729
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0

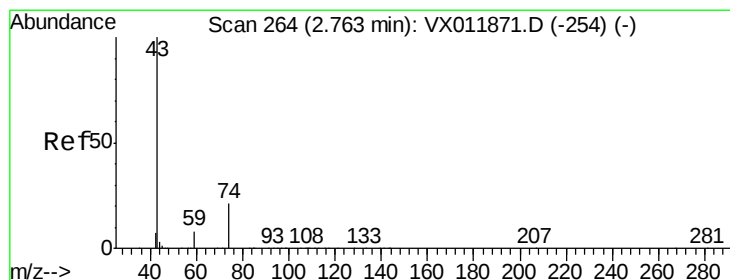
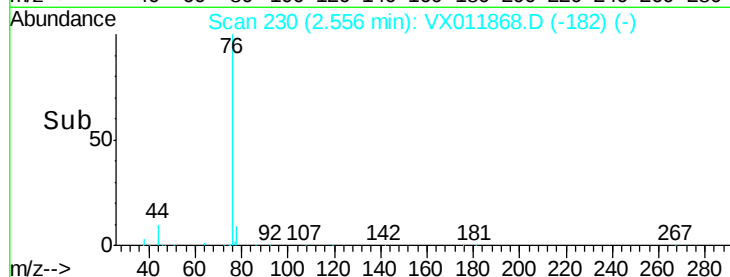
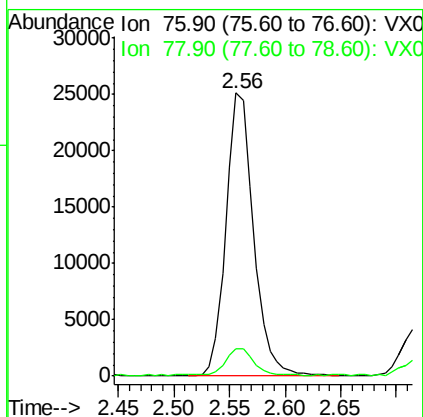
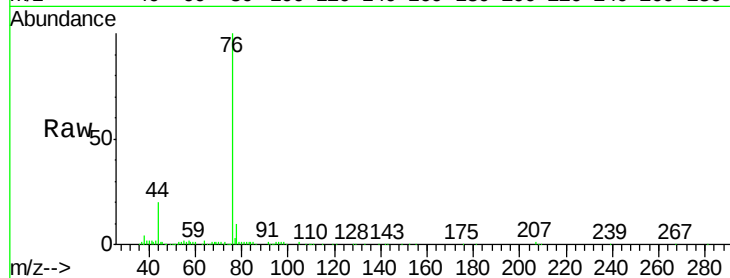




#17
Carbon Disulfide
Concen: 5.431 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

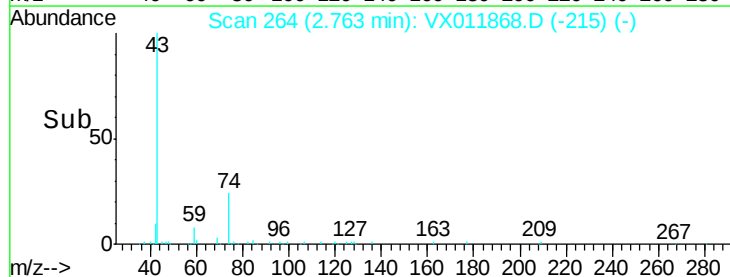
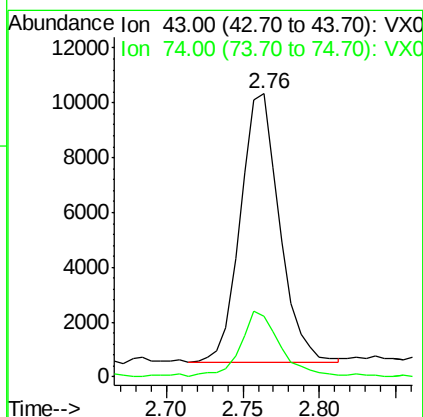
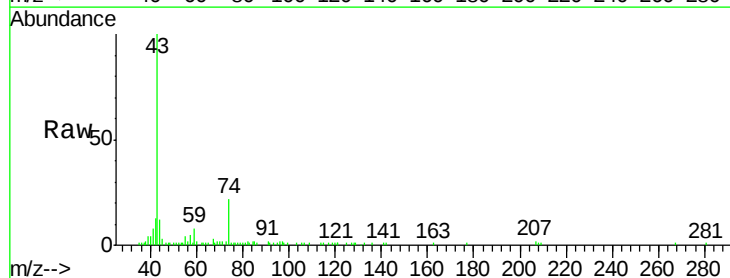
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

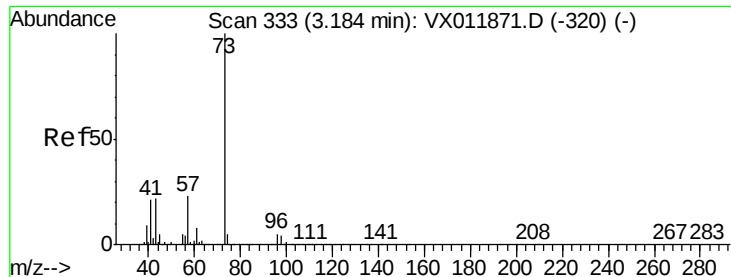
Tot Ion: 76 Resp: 43403
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 1.333 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 43 Resp: 17524
Ion Ratio Lower Upper
43 100
74 24.7 18.6 28.0



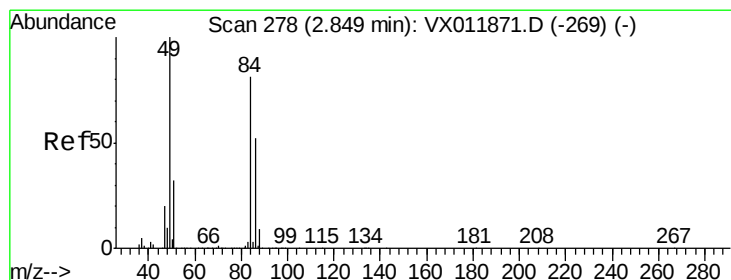
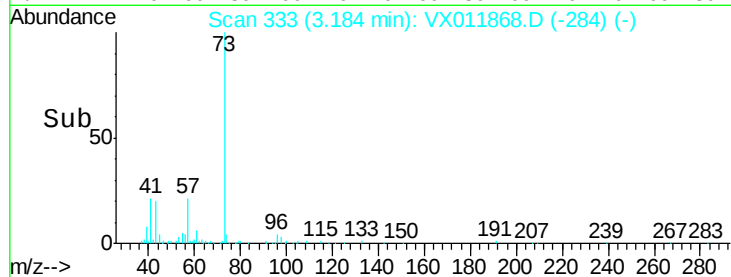
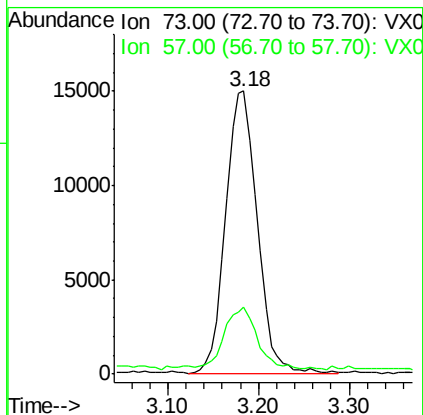
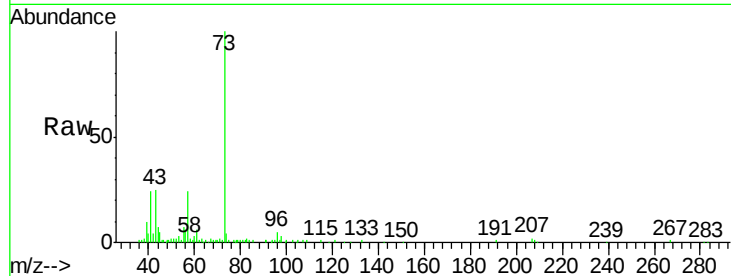


#19

Methyl tert-butyl Ether
 Concen: 5.100 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

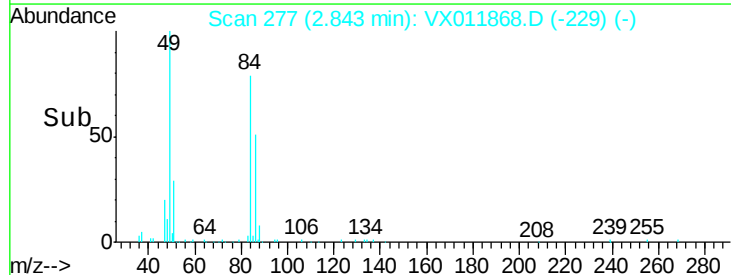
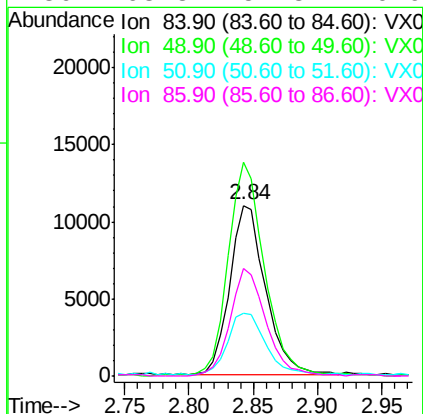
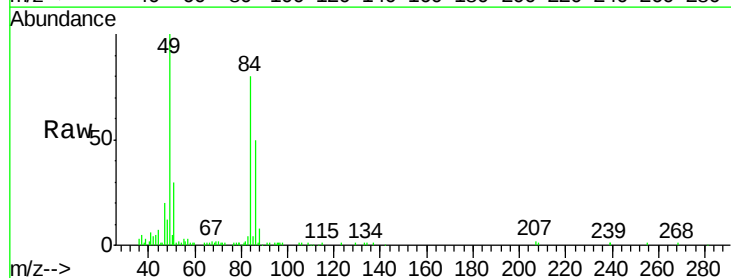
Tot Ion: 73 Resp: 36697
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.1 27.1

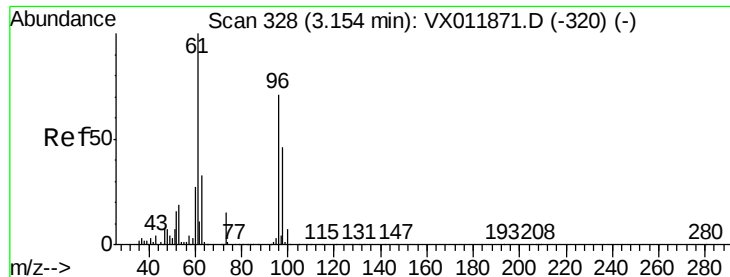


#20

Methylene Chloride
 Concen: 5.285 ug/l
 RT: 2.84 min Scan# 277
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion: 84 Resp: 21123
 Ion Ratio Lower Upper
 84 100
 49 126.0 98.9 148.3
 51 36.3 31.4 47.2
 86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.283 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

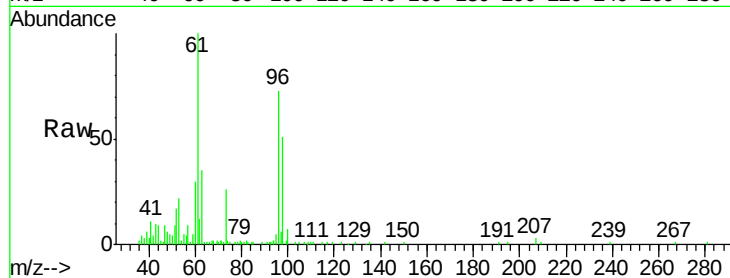
Tot Ion: 96 Resp: 15815

Ion Ratio Lower Upper

96 100

61 138.6 111.9 167.9

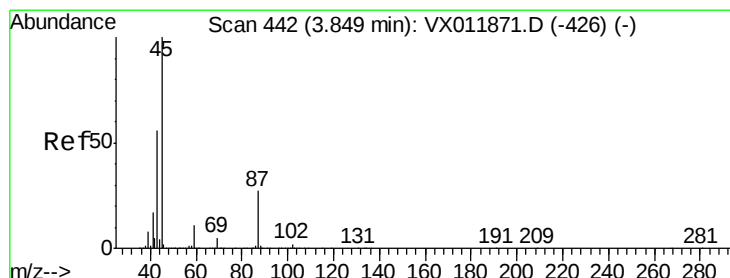
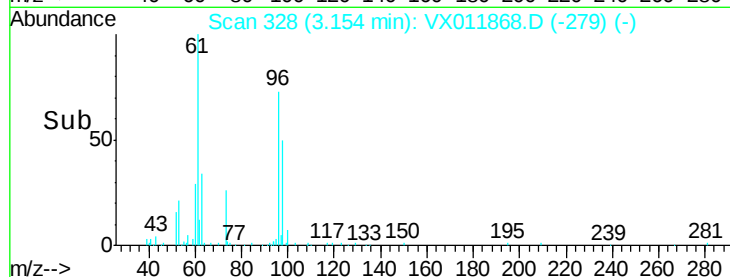
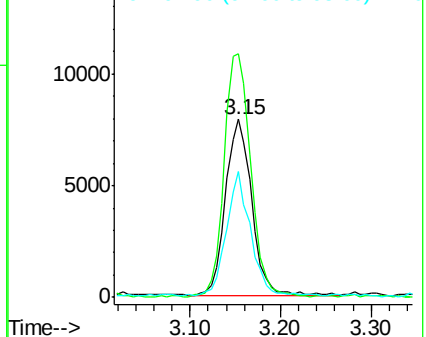
98 70.0 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.036 ug/l

RT: 3.84 min Scan# 440

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Tgt Ion: 45 Resp: 44706

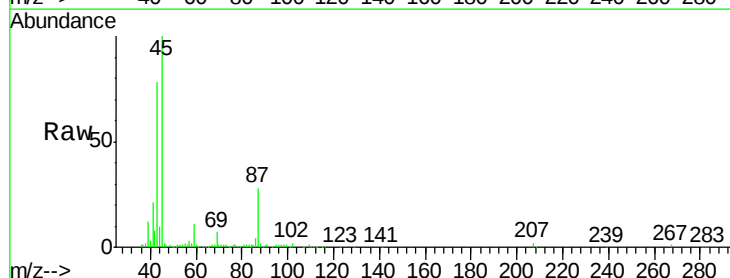
Ion Ratio Lower Upper

45 100

43 74.7 44.7 67.1#

87 27.8 21.5 32.3

59 10.8 9.1 13.7

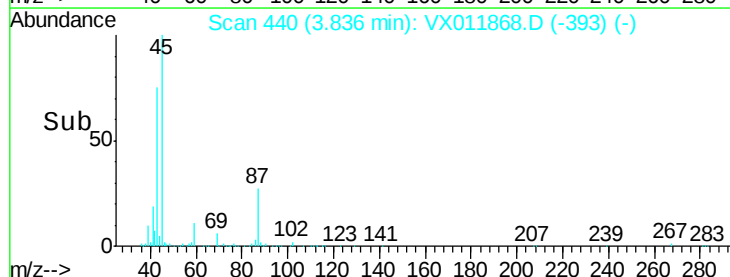
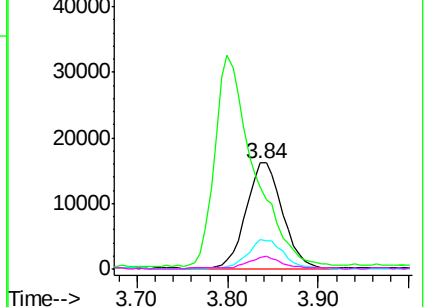


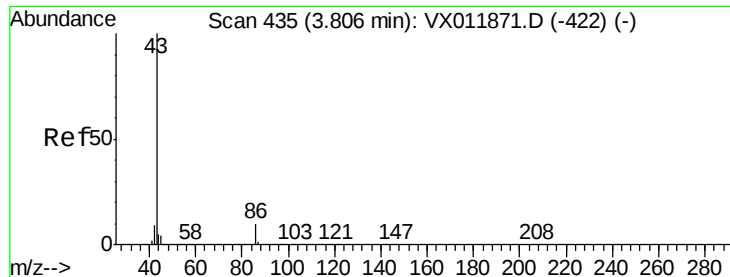
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 24.613 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

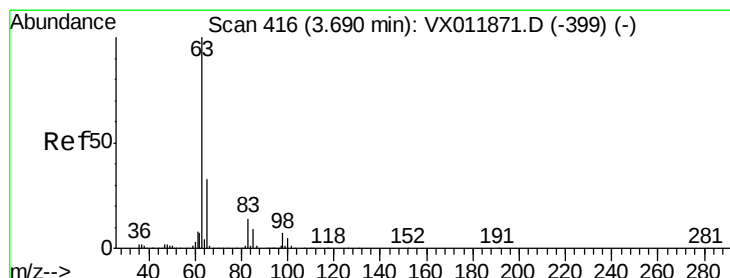
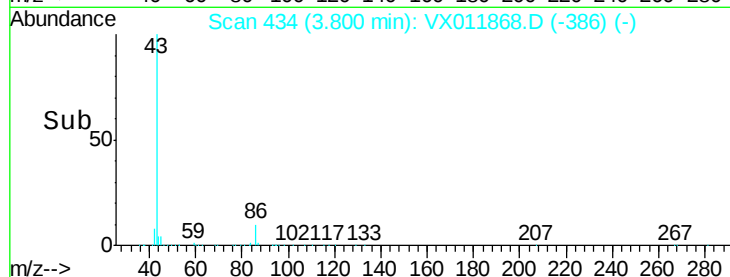
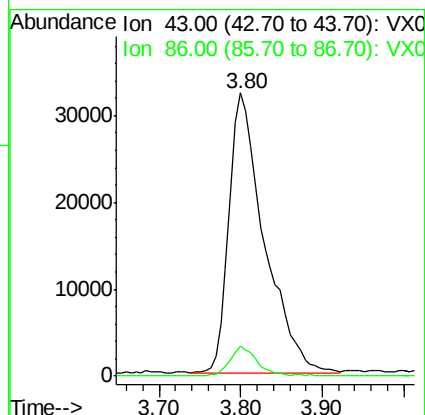
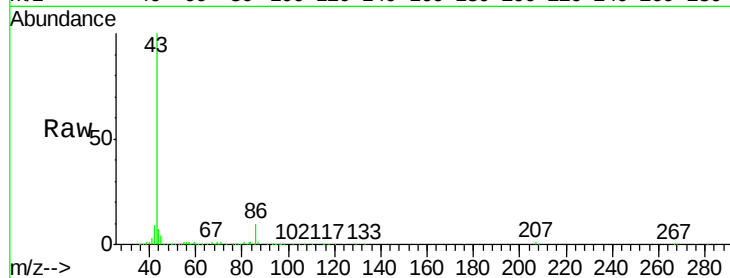
VSTDIC005

Tot Ion: 43 Resp: 96169

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 5.200 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

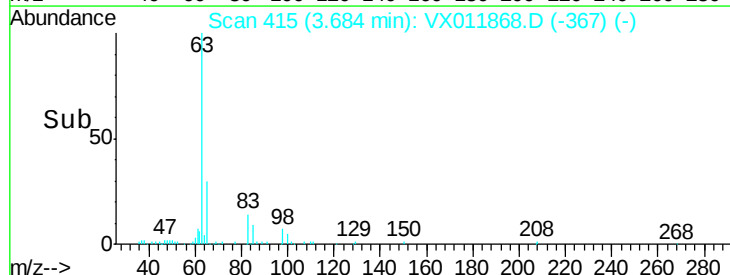
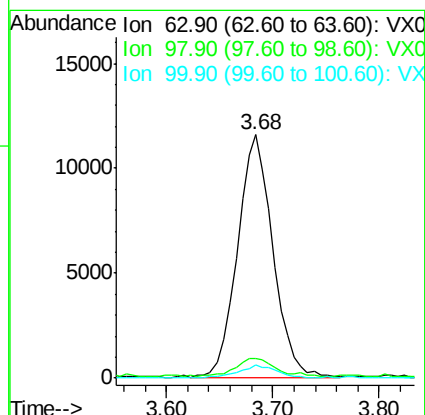
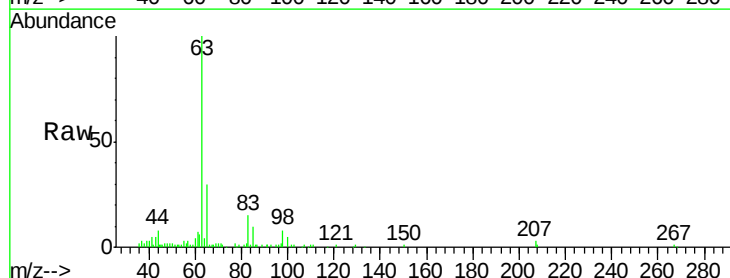
Tgt Ion: 63 Resp: 27224

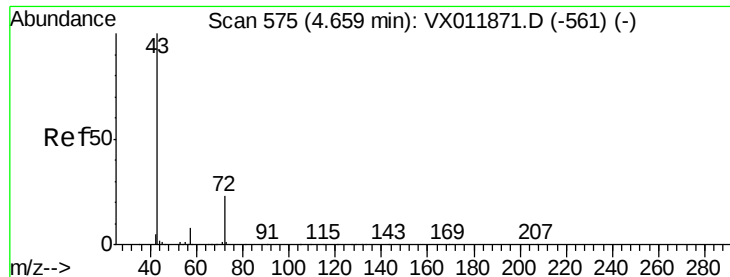
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 5.2 2.5 7.6





#25

2-Butanone

Concen: 24.852 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

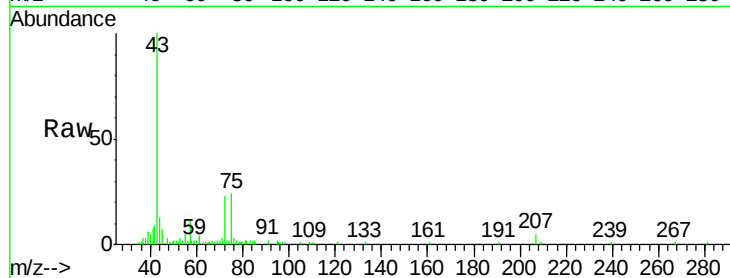
VSTDIC005

Tot Ion: 43 Resp: 22816

Ion Ratio Lower Upper

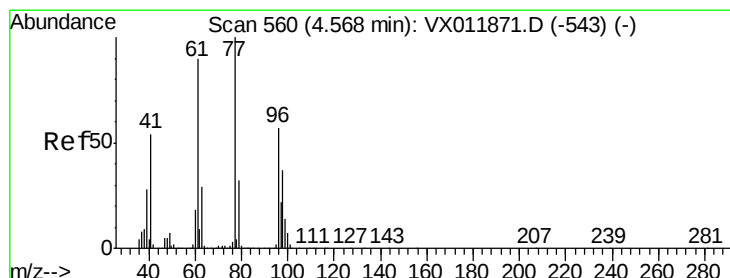
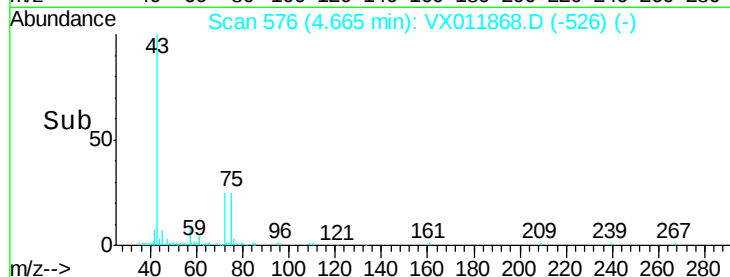
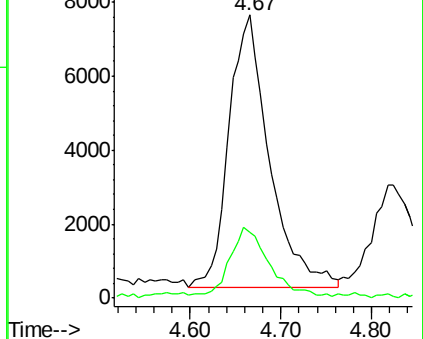
43 100

72 23.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.423 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VX011868.D

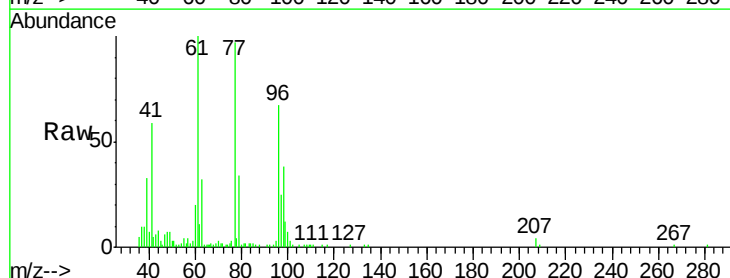
Acq: 28 Aug 2019 10:41

Tgt Ion: 77 Resp: 23150

Ion Ratio Lower Upper

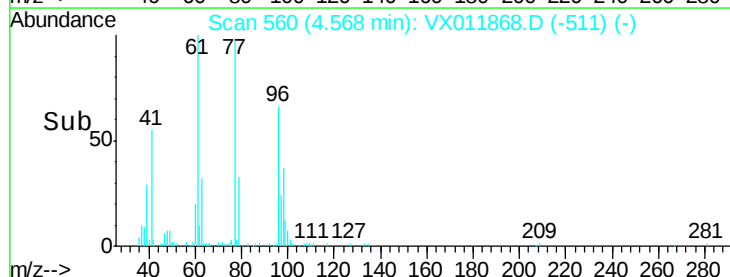
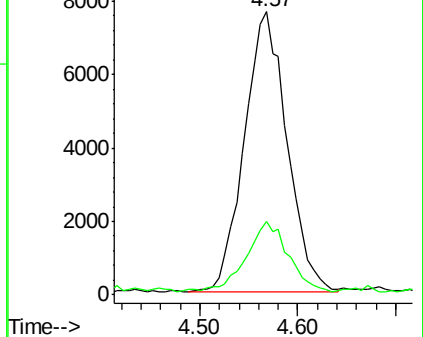
77 100

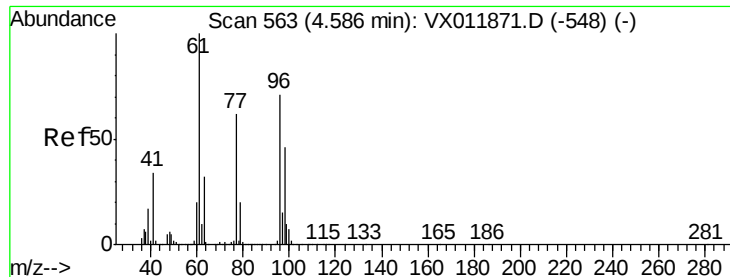
97 25.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



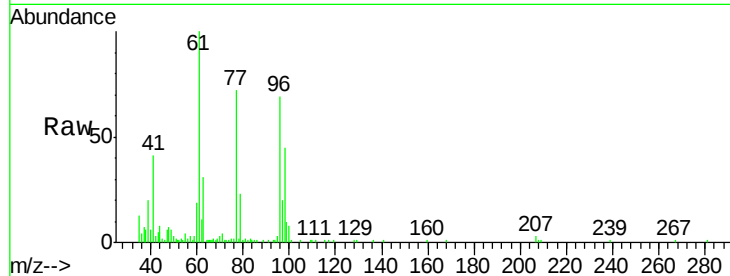


#27

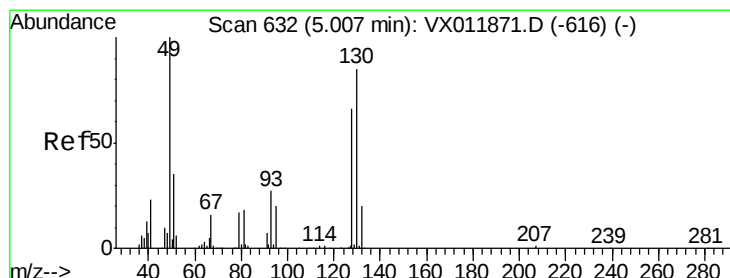
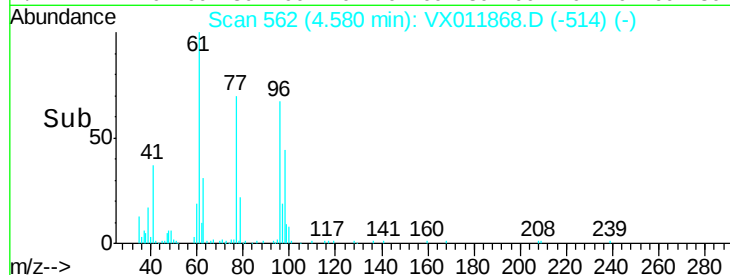
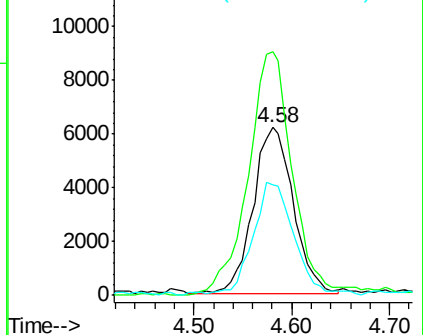
cis-1,2-Dichloroethene
Concen: 5.166 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	288.8
98	66.5	0.0	129.6



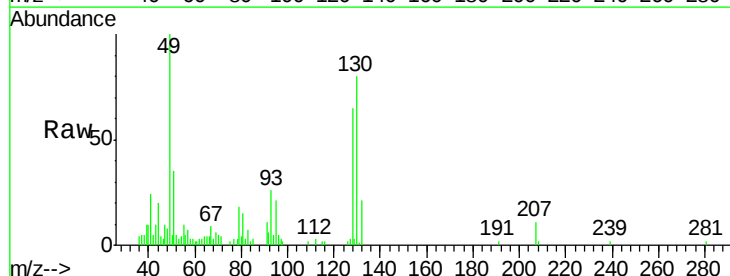
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



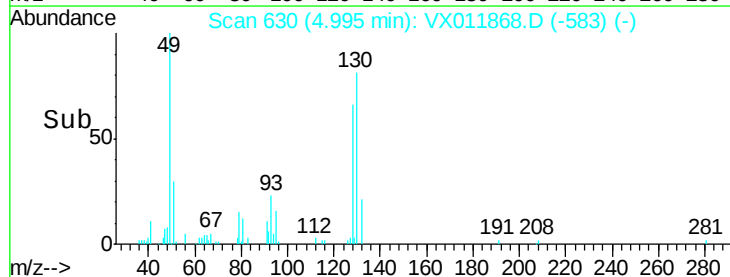
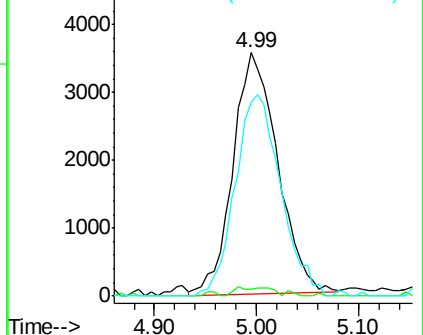
#28

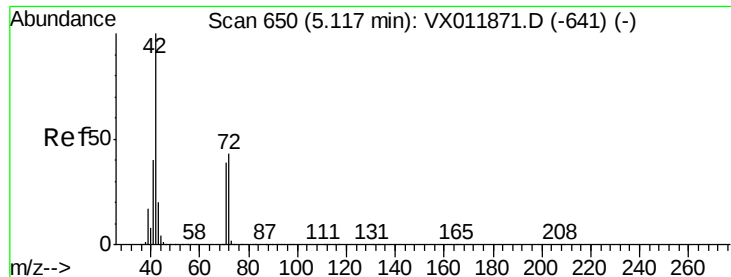
Bromochloromethane
Concen: 4.583 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	85.2	67.3	100.9



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





#29

Tetrahydrofuran

Concen: 23.231 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

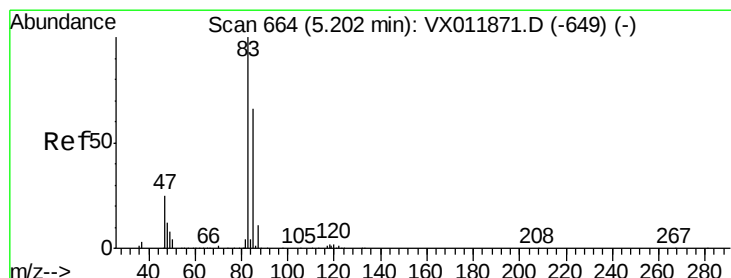
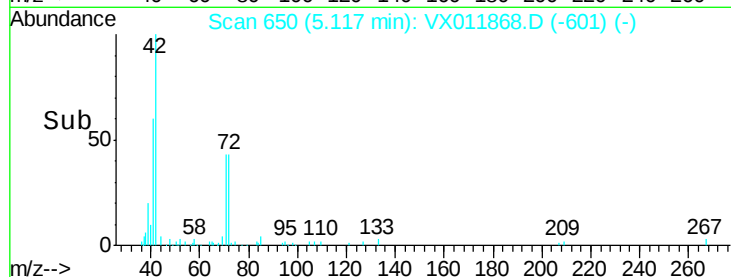
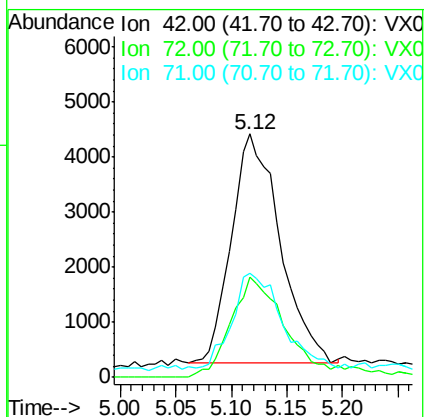
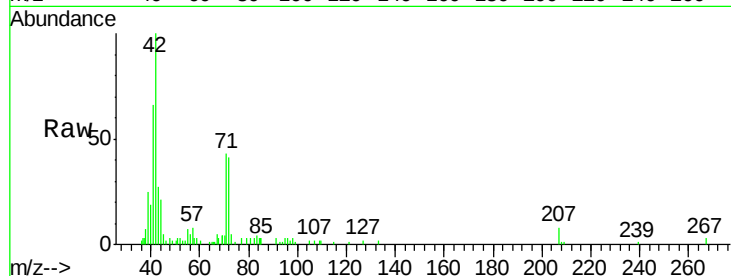
Tot Ion: 42 Resp: 12621

Ion Ratio Lower Upper

42 100

72 51.3 35.4 53.2

71 41.2 32.6 48.8



#30

Chloroform

Concen: 5.374 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011868.D

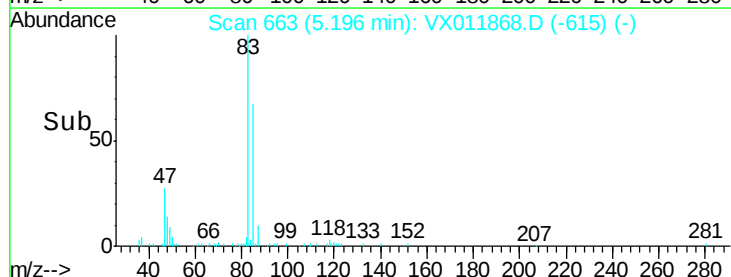
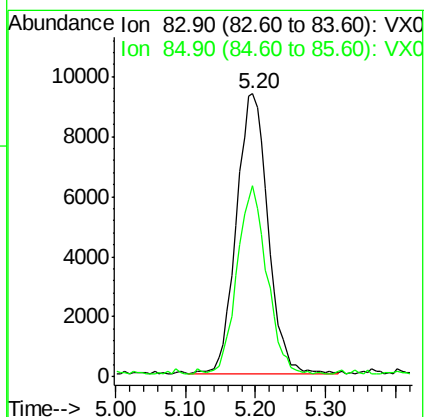
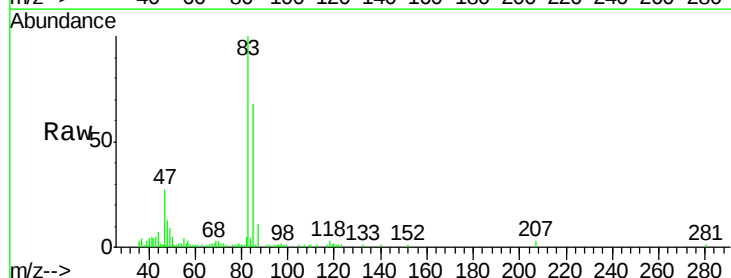
Acq: 28 Aug 2019 10:41

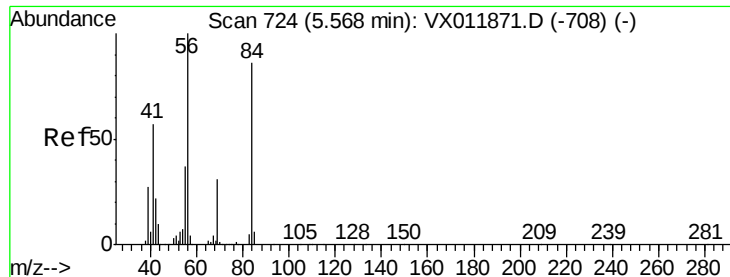
Tgt Ion: 83 Resp: 29437

Ion Ratio Lower Upper

83 100

85 67.1 52.5 78.7

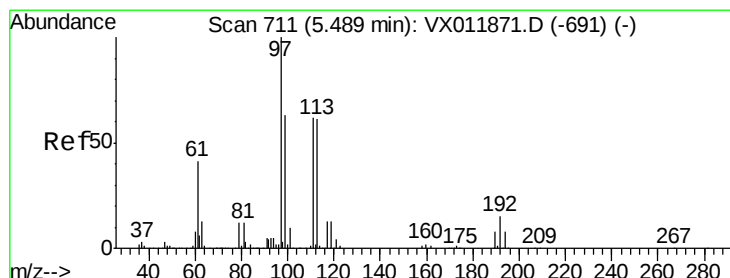
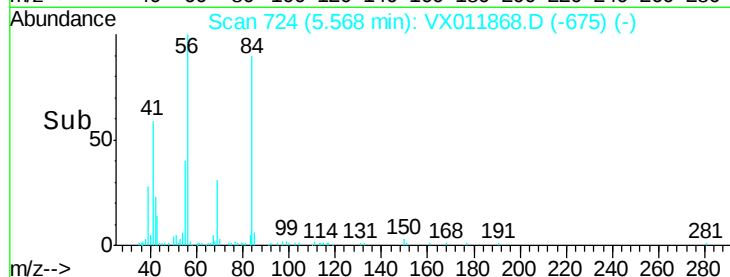
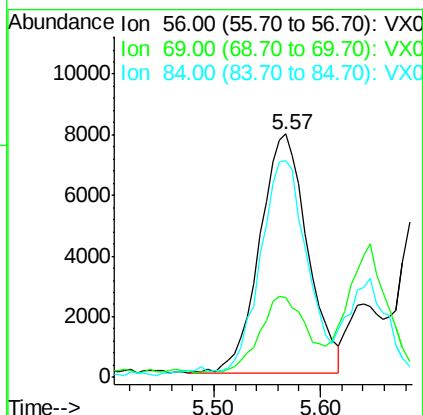
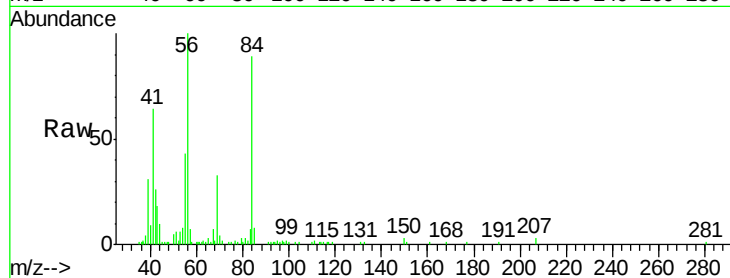




#31
Cyclohexane
Concen: 5.365 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

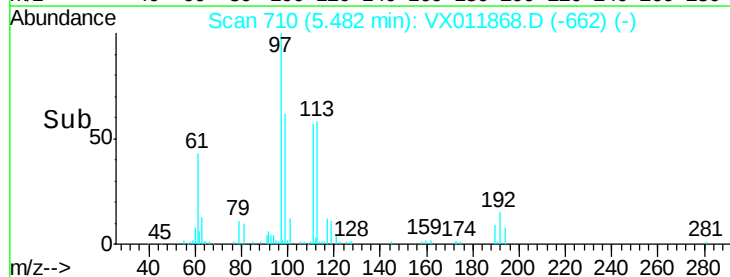
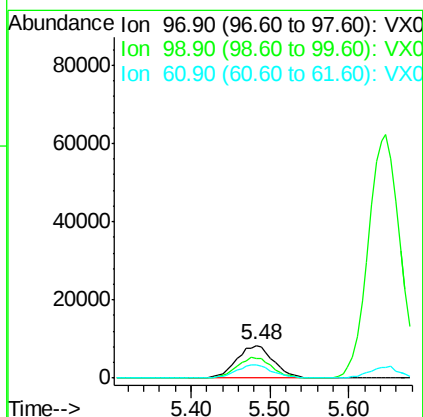
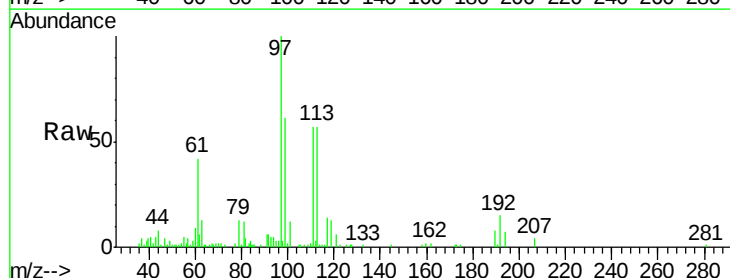
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

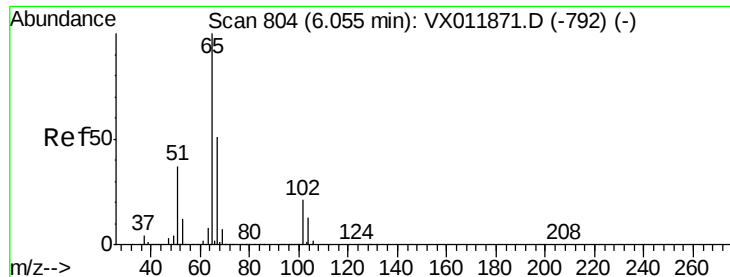
Tot Ion: 56 Resp: 24456
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.4
84 88.1 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 97 Resp: 26183
Ion Ratio Lower Upper
97 100
99 63.3 51.1 76.7
61 41.5 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 5.056 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

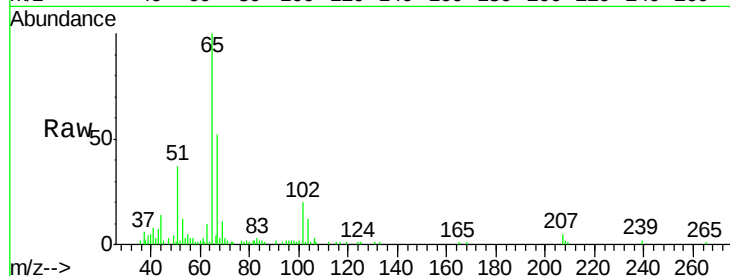
VSTDIC005

Tot Ion: 65 Resp: 15846

Ion Ratio Lower Upper

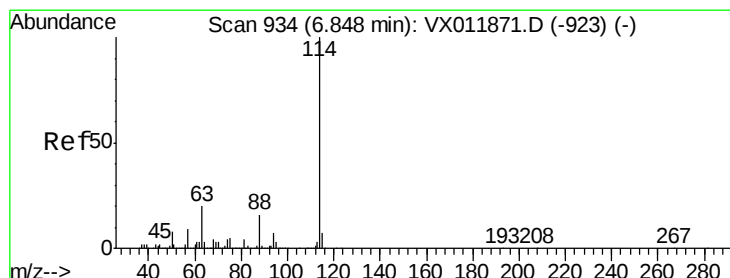
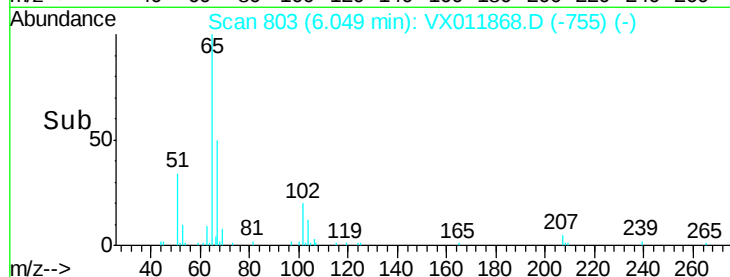
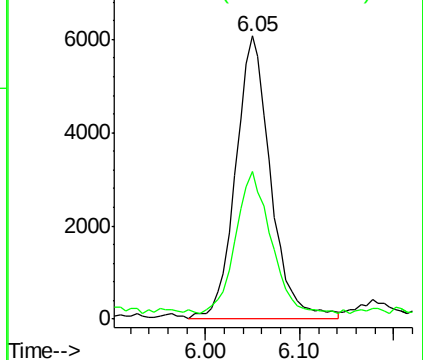
65 100

67 50.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

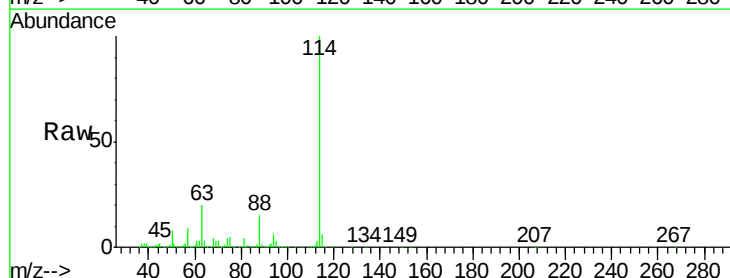
Tgt Ion: 114 Resp: 486836

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

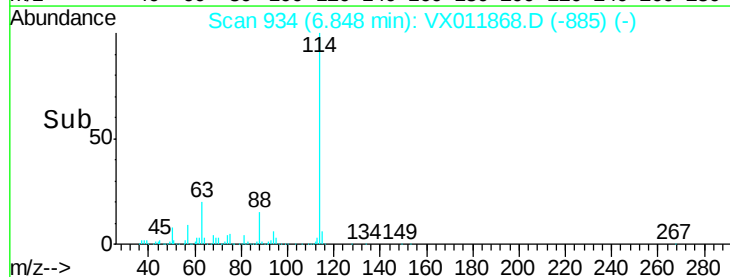
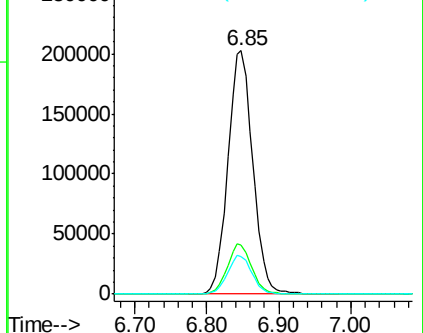
88 15.3 0.0 31.6

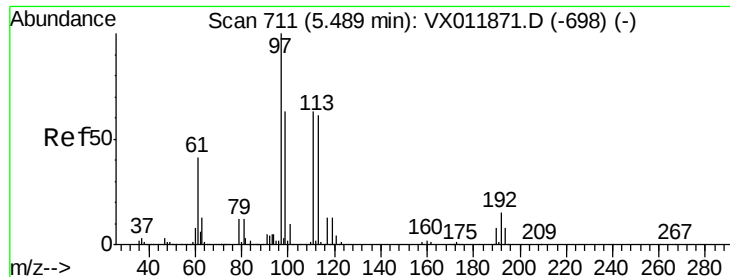


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

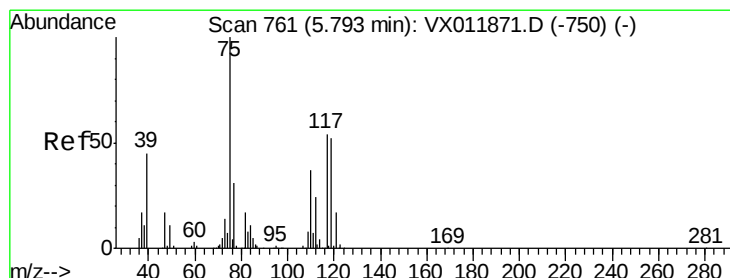
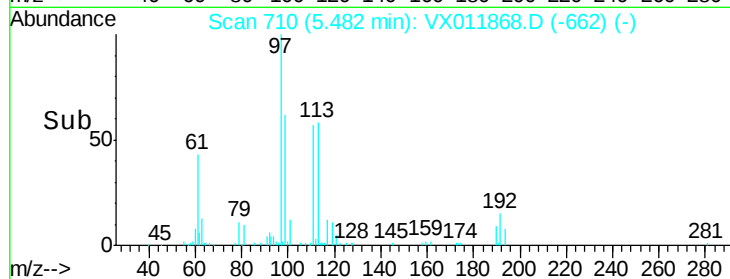
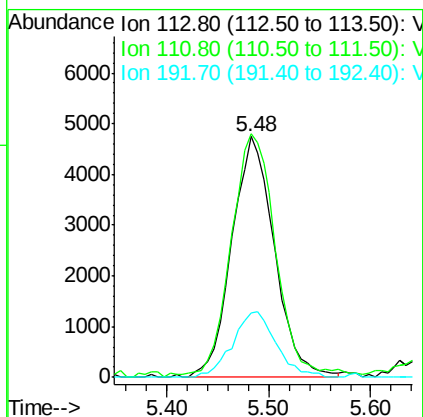
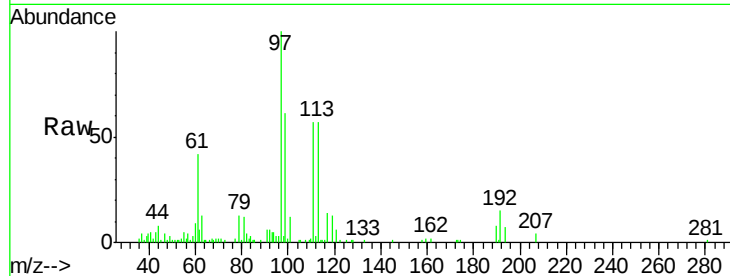




#35
 Dibromofluoromethane
 Concen: 4.653 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

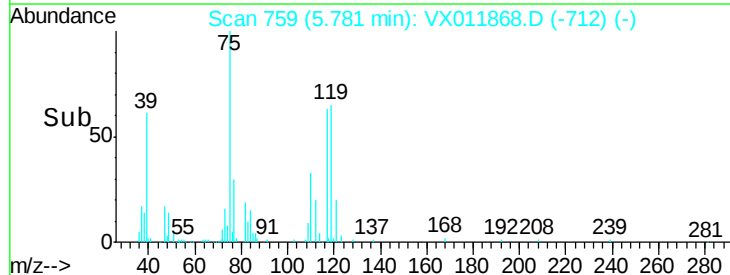
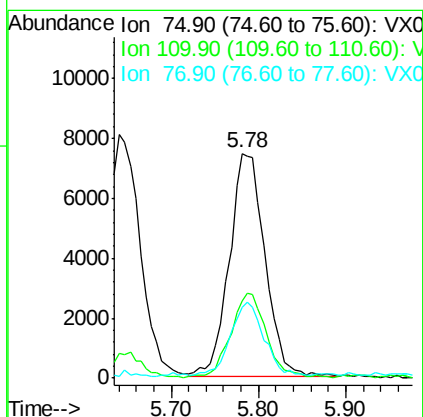
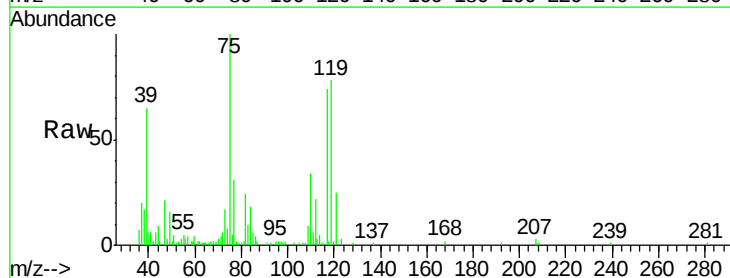
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

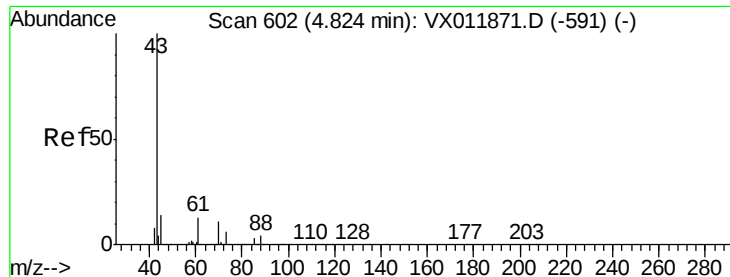
Tot Ion:113 Resp: 13767
 Ion Ratio Lower Upper
 113 100
 111 107.0 80.9 121.3
 192 27.8 20.6 30.8



#36
 1,1-Dichloropropene
 Concen: 5.256 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion: 75 Resp: 21046
 Ion Ratio Lower Upper
 75 100
 110 38.5 18.5 55.5
 77 30.7 24.7 37.1

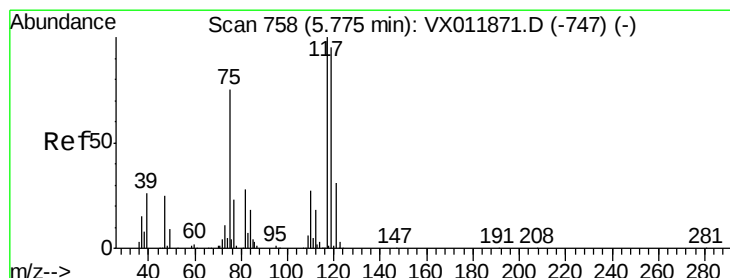
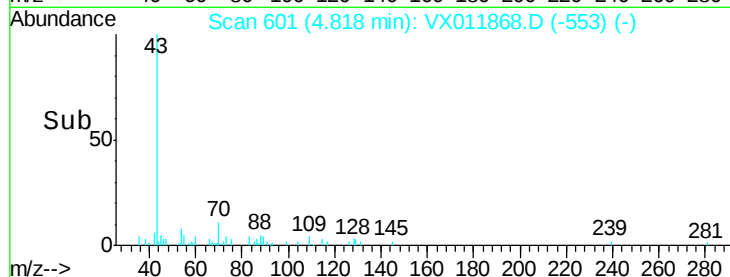
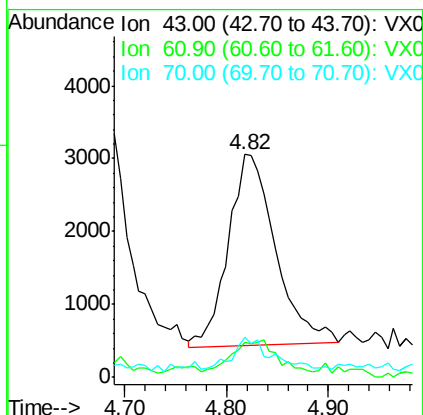
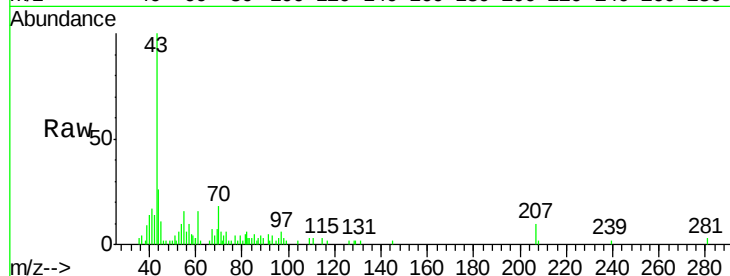




#37
Ethyl Acetate
Concen: 5.016 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

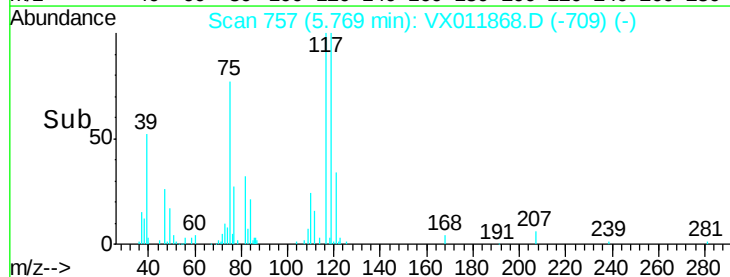
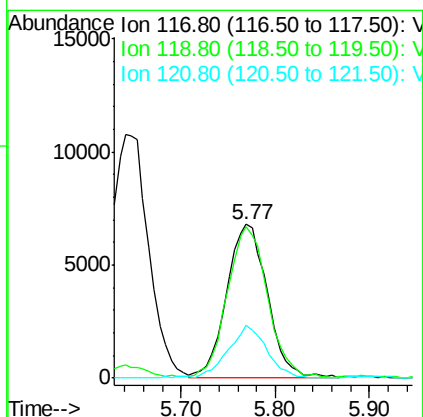
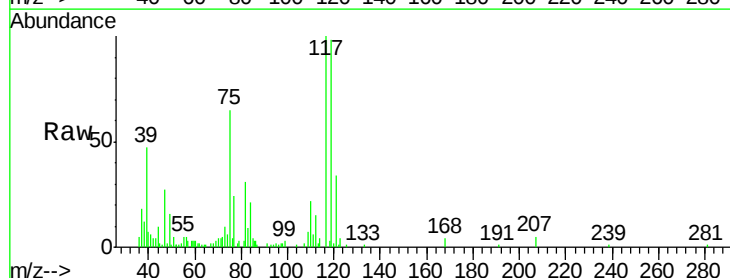
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

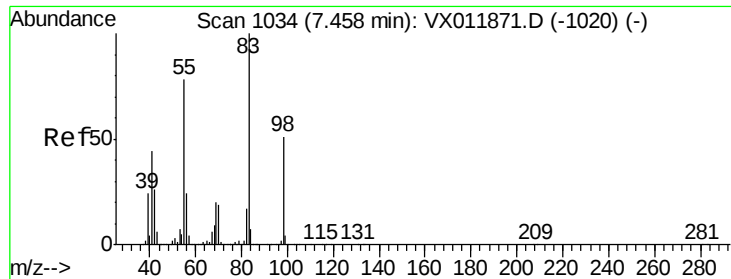
Tot Ion: 43 Resp: 8446
Ion Ratio Lower Upper
43 100
61 14.7 10.5 15.7
70 13.3 8.9 13.3



#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 117 Resp: 20574
Ion Ratio Lower Upper
117 100
119 97.4 75.7 113.5
121 34.5 25.1 37.7

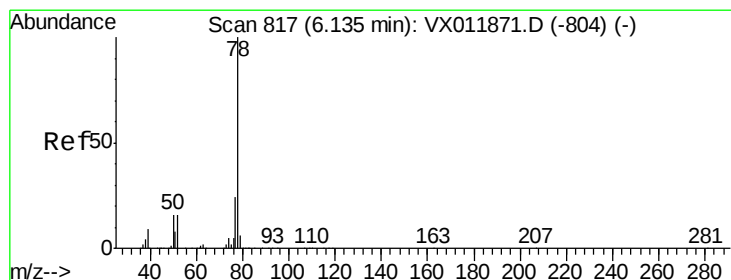
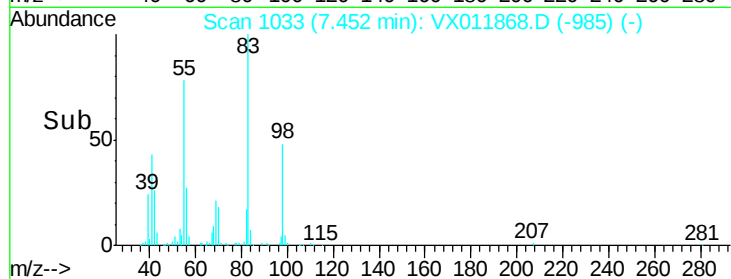
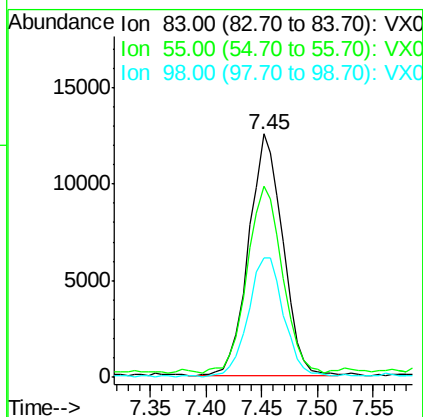
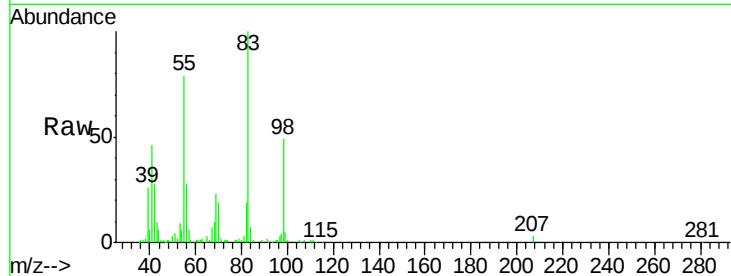




#39
Methvlcvclohexane
Concen: 5.430 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

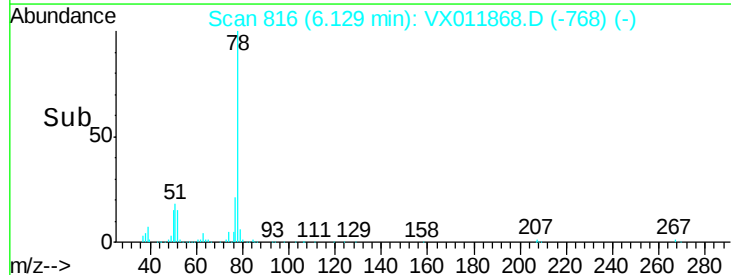
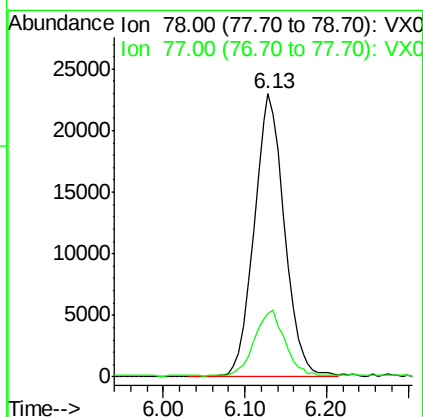
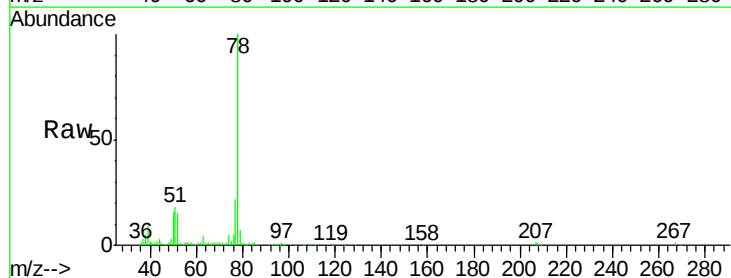
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

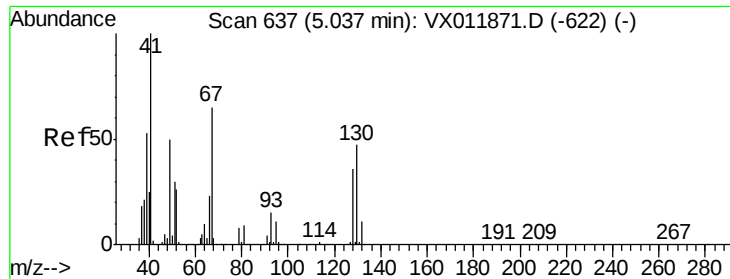
Tot Ion: 83 Resp: 26574
Ion Ratio Lower Upper
83 100
55 76.6 62.1 93.1
98 48.6 40.6 61.0



#40
Benzene
Concen: 5.162 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 78 Resp: 59622
Ion Ratio Lower Upper
78 100
77 21.9 19.0 28.4

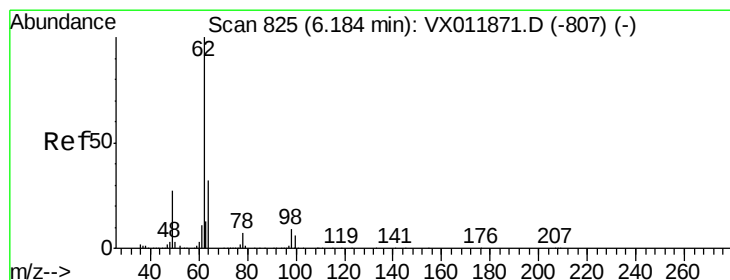
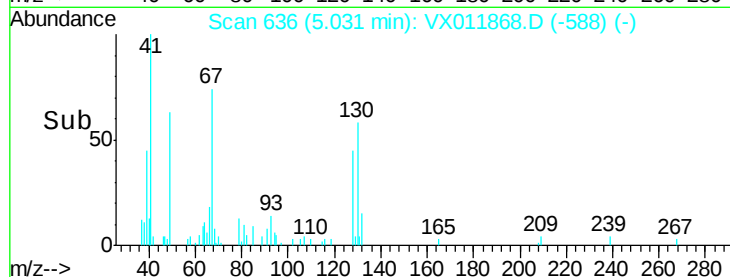
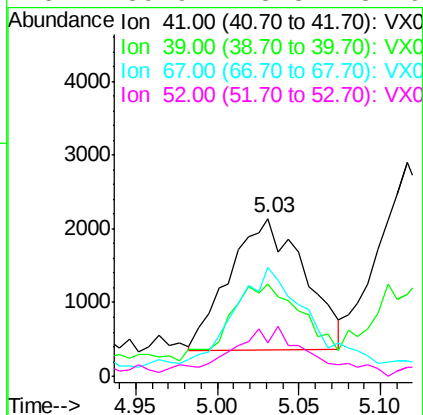
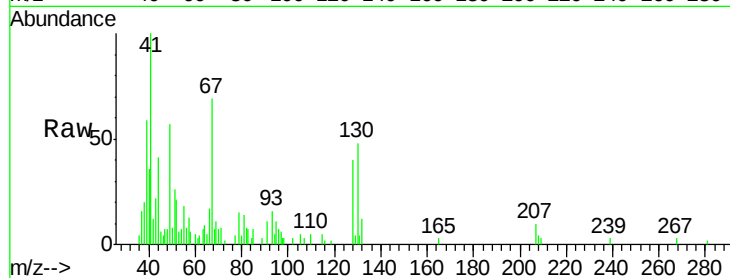




#41
Methacrylonitrile
Concen: 5.004 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

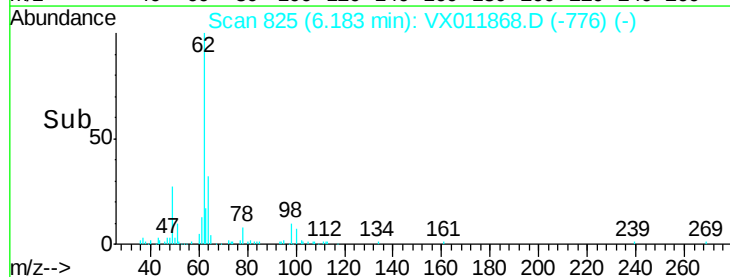
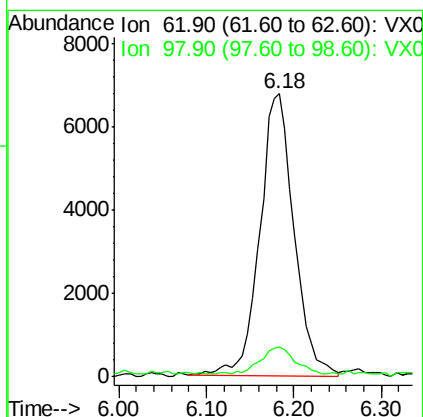
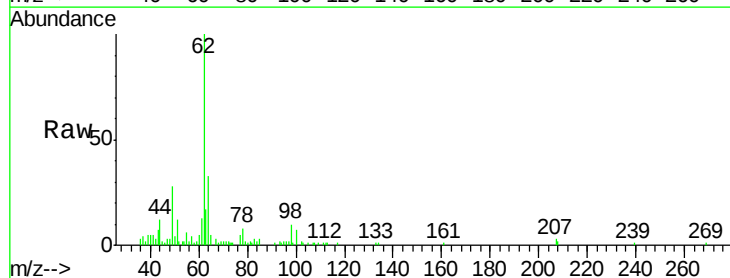
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

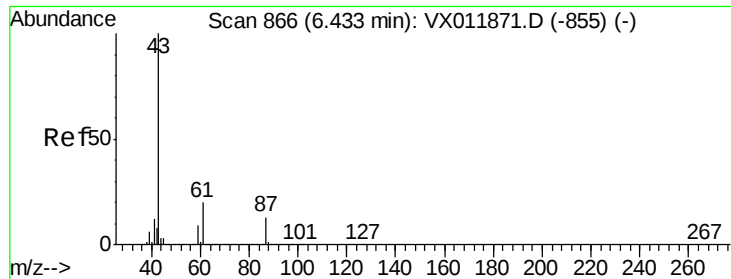
Tot Ion: 41 Resp: 5716
Ion Ratio Lower Upper
41 100
39 56.6 44.5 66.7
67 75.1 55.0 82.4
52 39.9 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 5.026 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 62 Resp: 18433
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.2



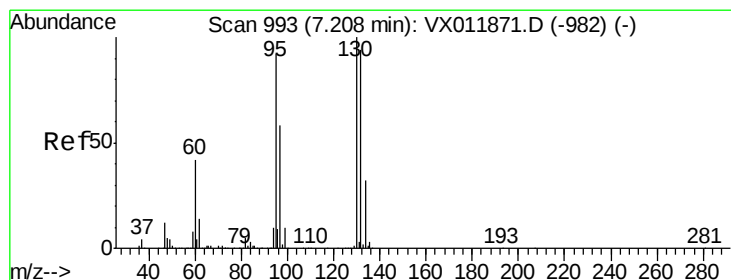
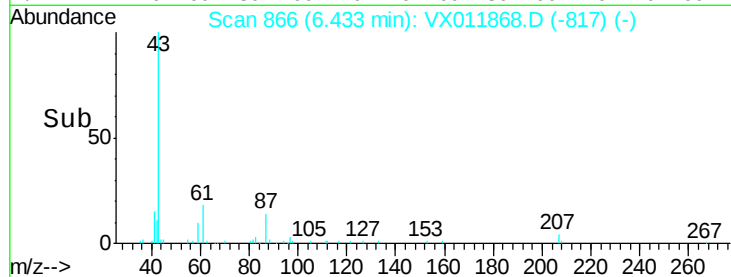
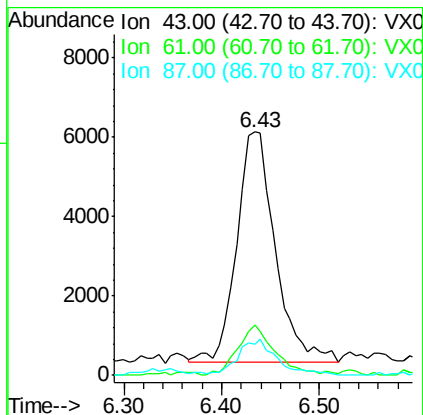
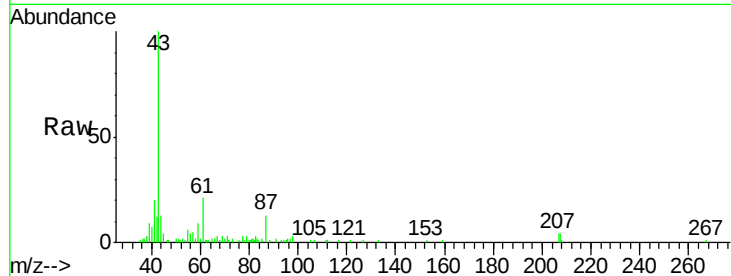


#43

Isopropyl Acetate
 Concen: 4.812 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

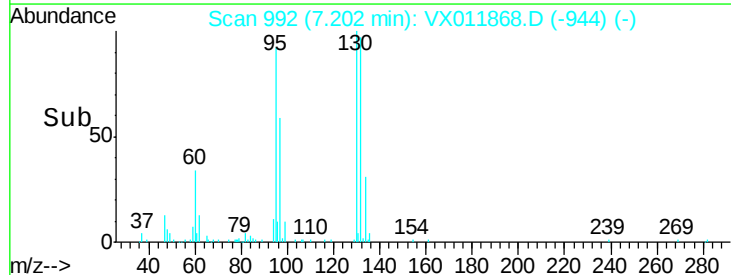
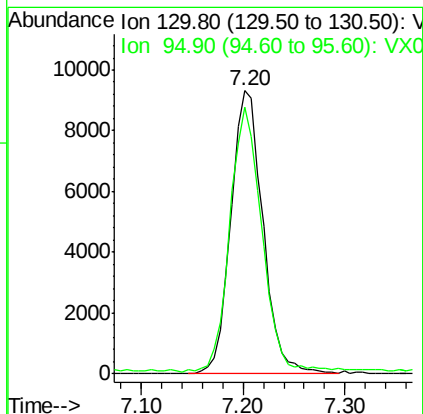
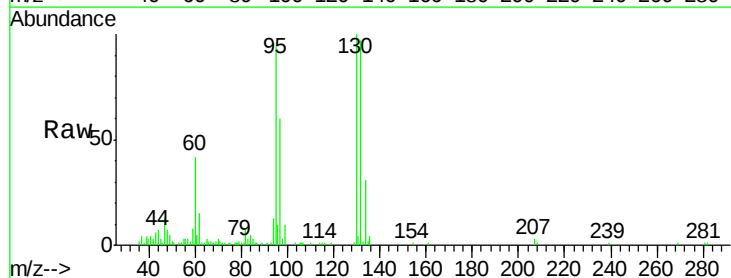
Tot Ion	43	Resp	15919
Ion Ratio	Lower	Upper	
43	100		
61	21.2	15.6	23.4
87	15.9	10.6	15.8#

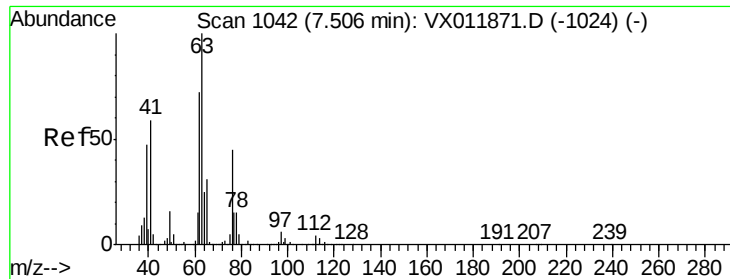


#44

Trichloroethene
 Concen: 5.213 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion	130	Resp	20242
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	184.0

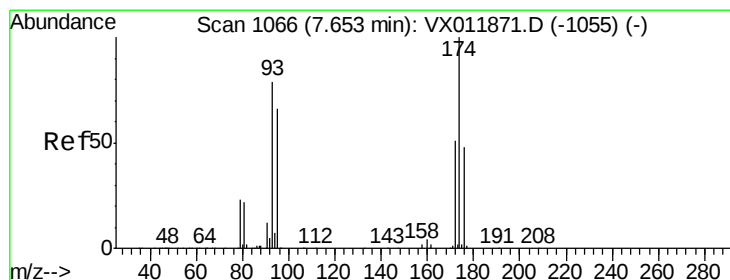
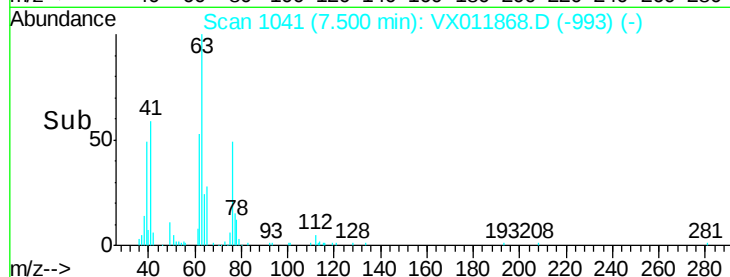
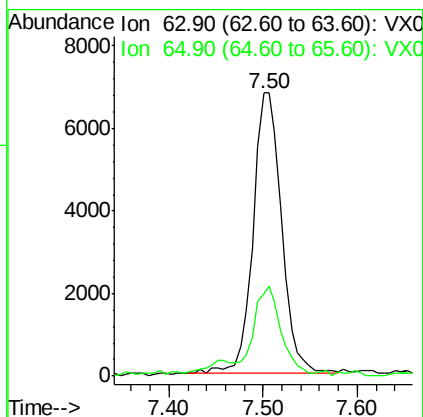
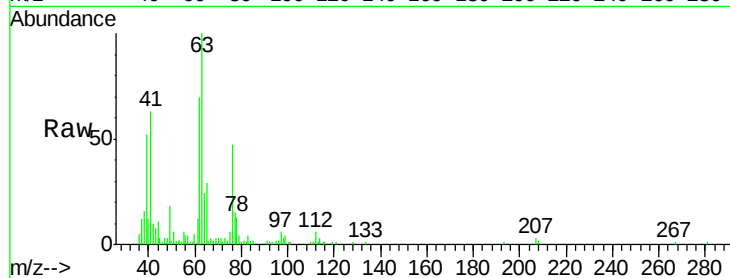




#45
 1,2-Dichloropropane
 Concen: 5.053 ug/l
 RT: 7.50 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

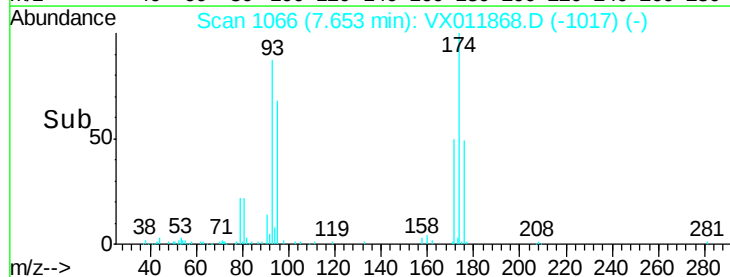
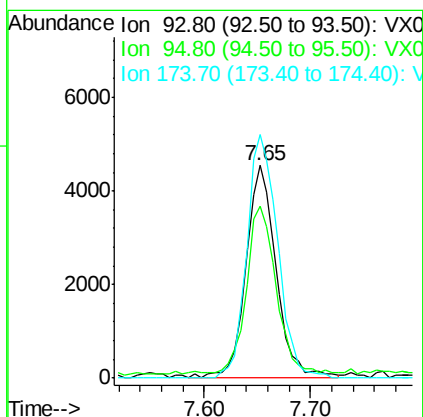
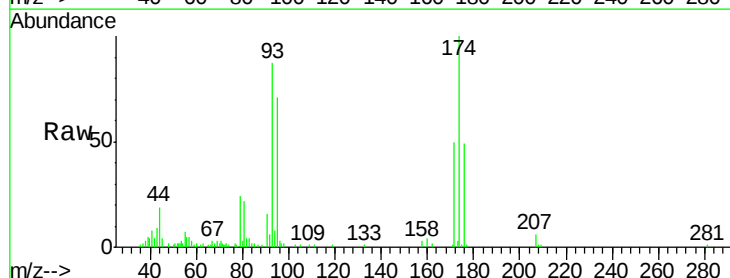
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

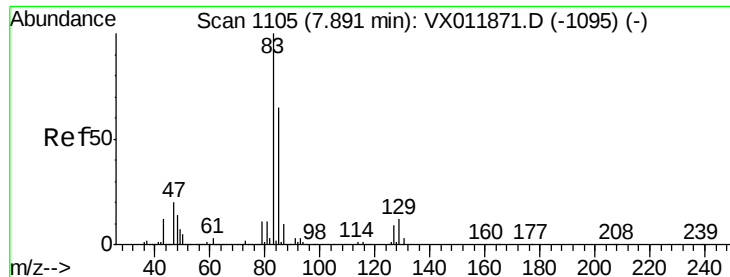
Tot Ion: 63 Resp: 14523
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.5 36.7



#46
 Dibromomethane
 Concen: 5.343 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion: 93 Resp: 9098
 Ion Ratio Lower Upper
 93 100
 95 75.5 65.8 98.8
 174 116.5 100.2 150.4





#47

Bromodichloromethane

Concen: 5.052 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

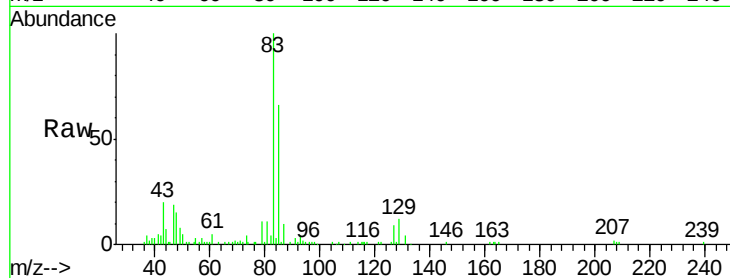
Tot Ion: 83 Resp: 20226

Ion Ratio Lower Upper

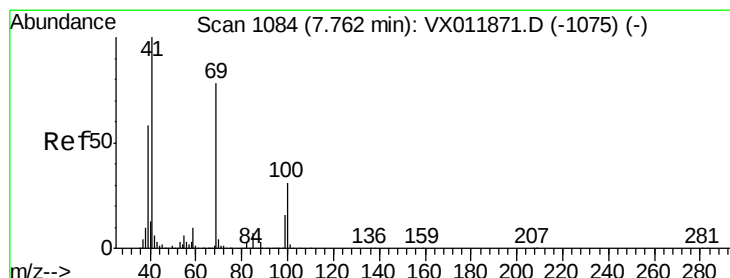
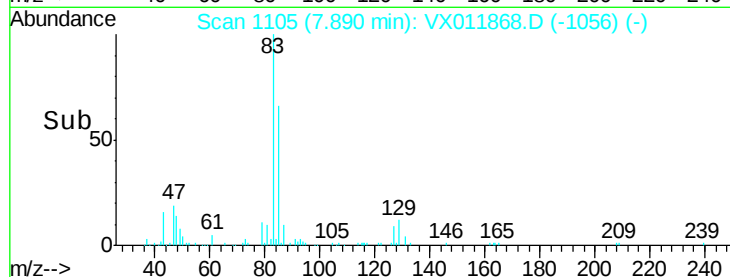
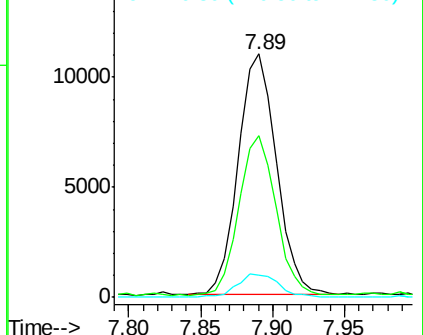
83 100

85 66.5 51.8 77.8

127 9.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.791 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

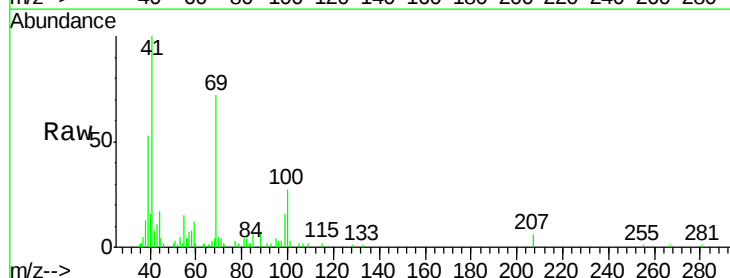
Tgt Ion: 41 Resp: 7926

Ion Ratio Lower Upper

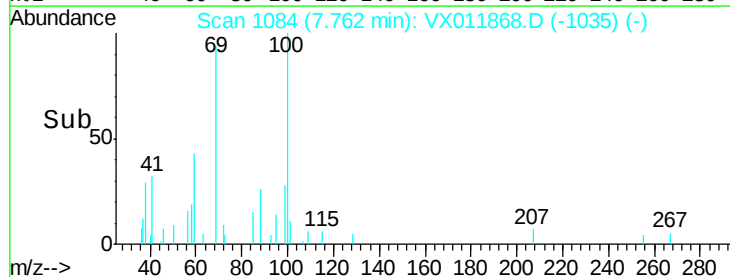
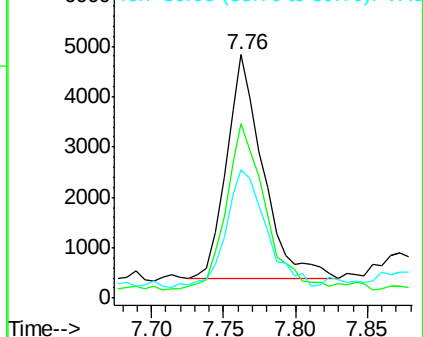
41 100

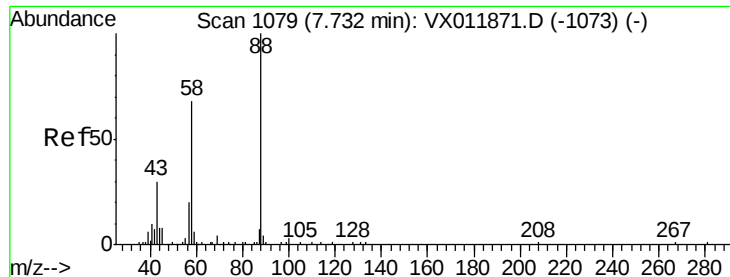
69 78.1 63.0 94.4

39 57.7 46.1 69.1



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

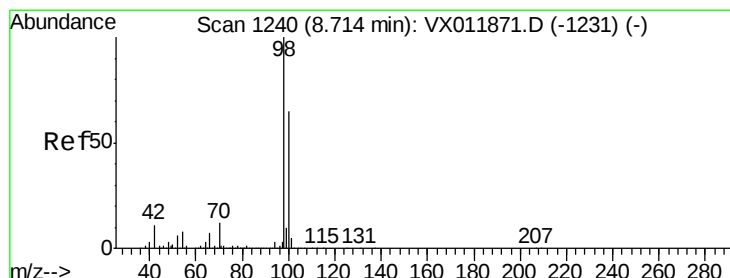
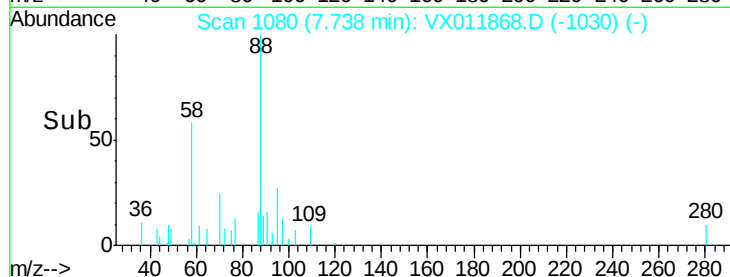
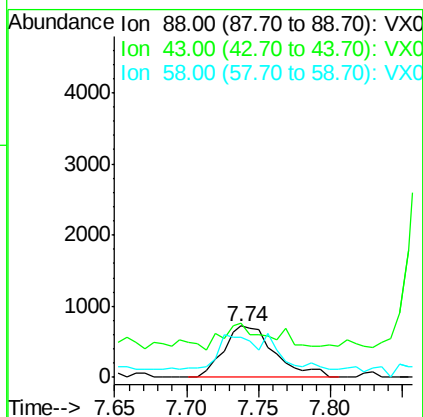
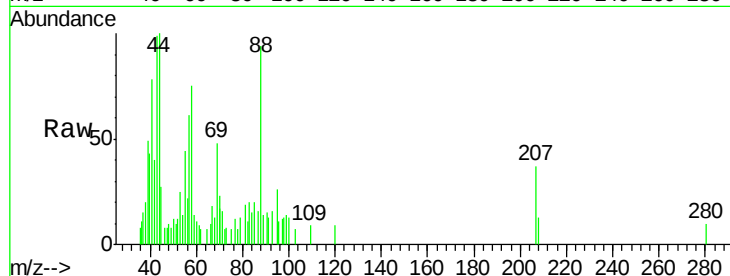




#49
1,4-Dioxane
Concen: 99.345 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

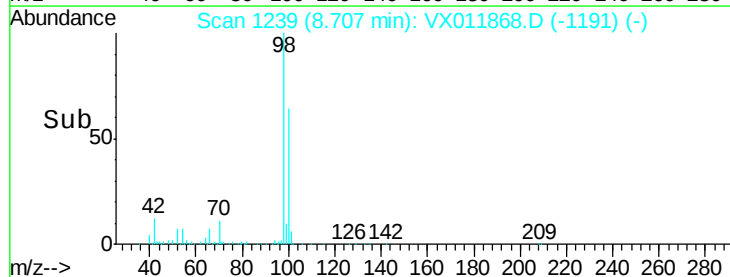
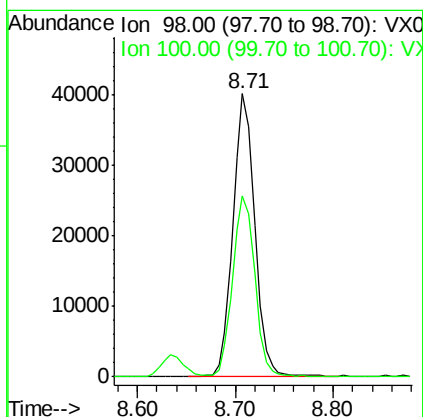
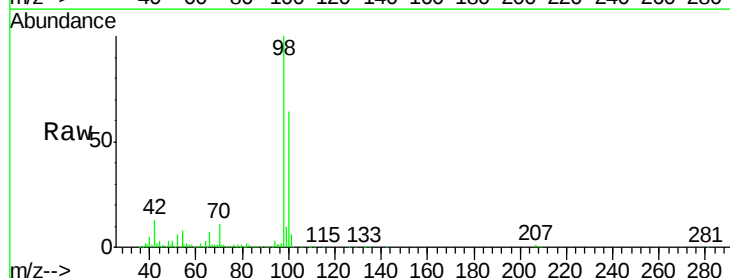
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

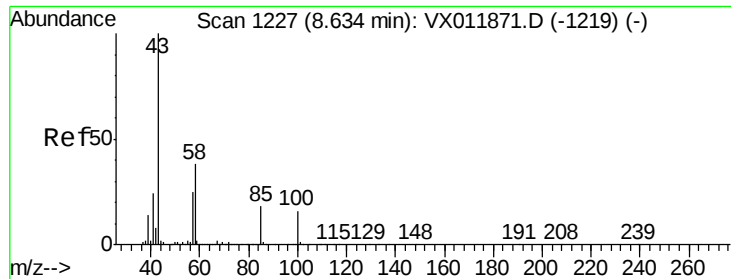
Tot Ion: 88 Resp: 1771
Ion Ratio Lower Upper
88 100
43 50.7 33.2 49.8#
58 44.4 58.2 87.4#



#50
Toluene-d8
Concen: 5.690 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 98 Resp: 62660
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 22.748 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

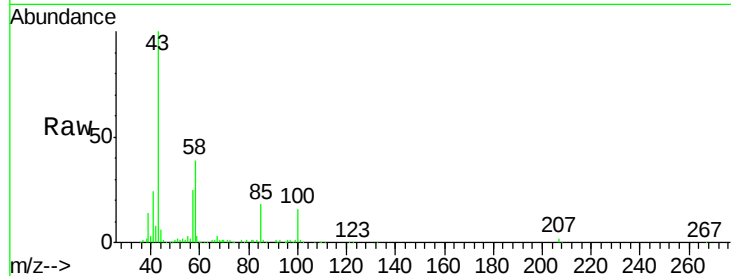
VSTDIC005

Tot Ion: 43 Resp: 30314

Ion Ratio Lower Upper

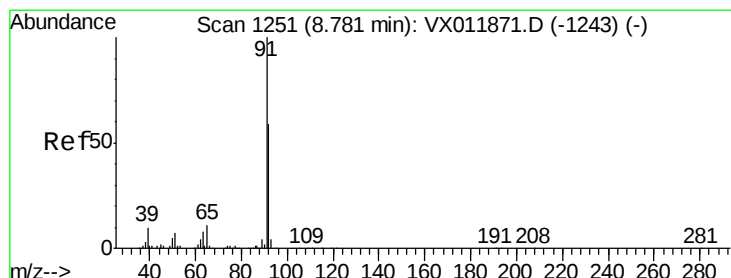
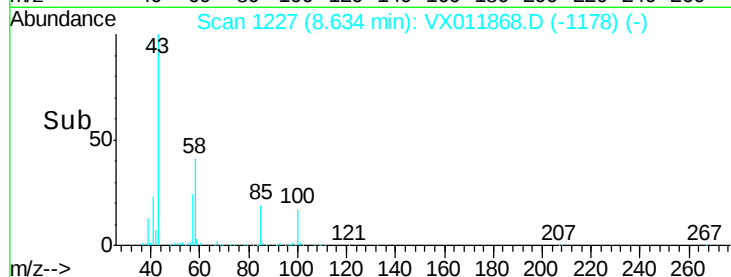
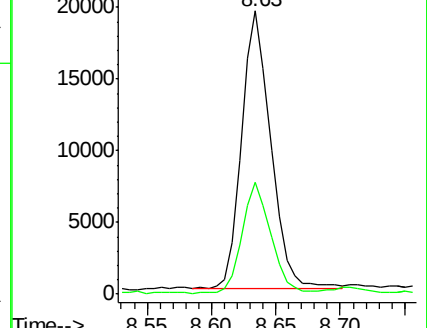
43 100

58 39.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.186 ug/l

RT: 8.77 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VX011868.D

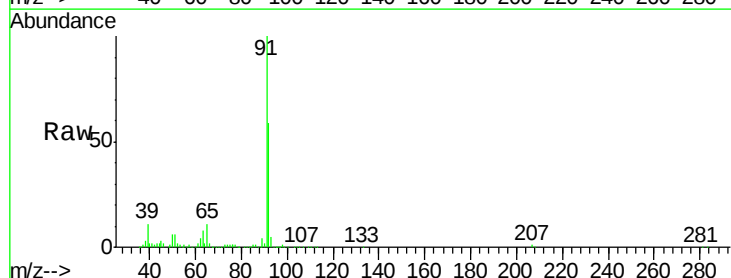
Acq: 28 Aug 2019 10:41

Tgt Ion: 92 Resp: 38603

Ion Ratio Lower Upper

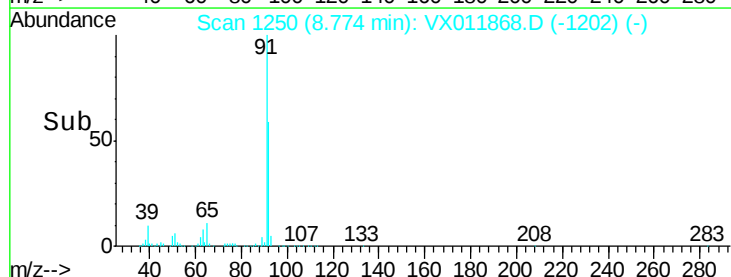
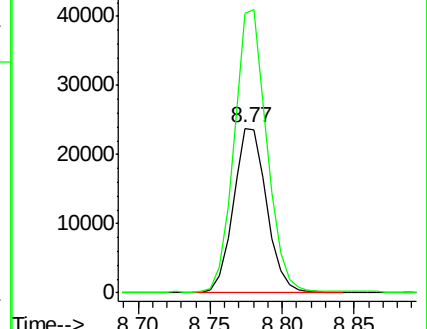
92 100

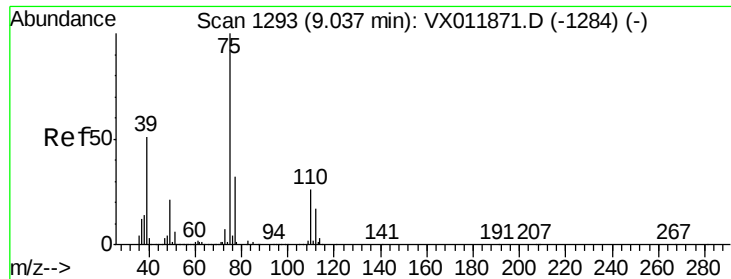
91 167.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 4.998 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

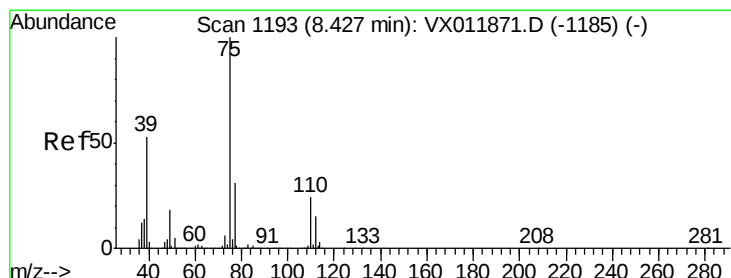
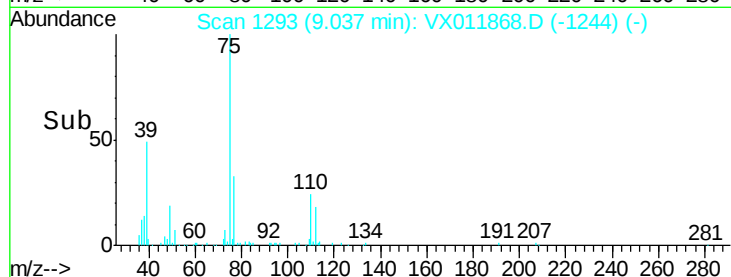
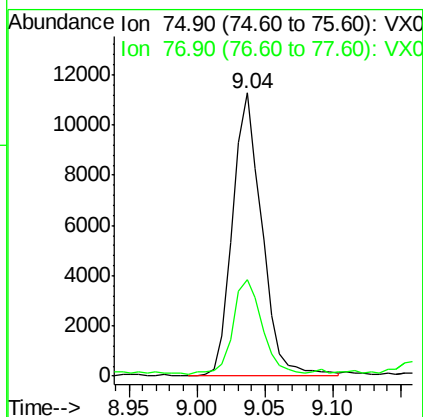
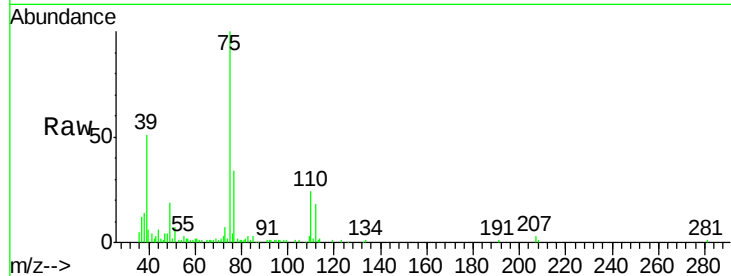
VSTDIC005

Tot Ion: 75 Resp: 17050

Ion Ratio Lower Upper

75 100

77 33.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 4.992 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

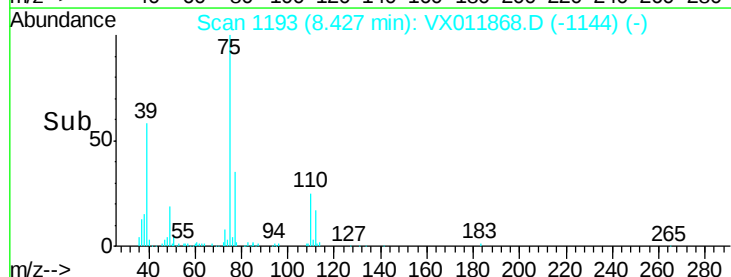
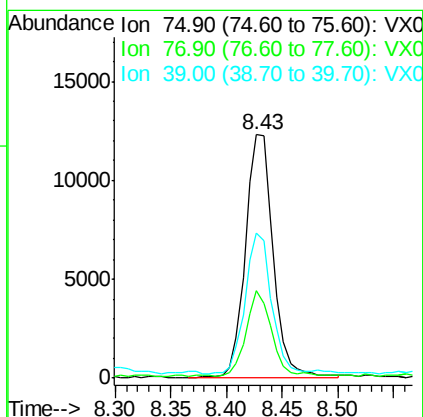
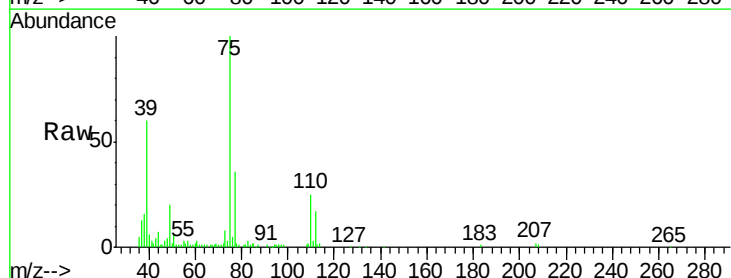
Tgt Ion: 75 Resp: 21501

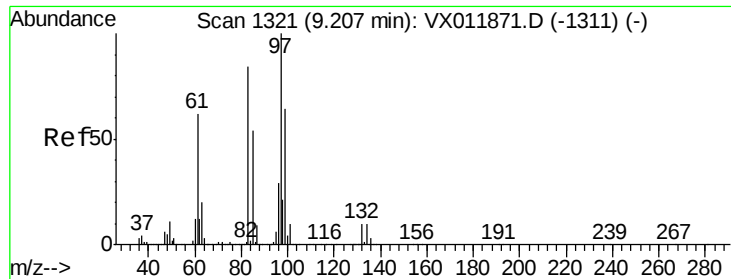
Ion Ratio Lower Upper

75 100

77 35.1 24.9 37.3

39 57.5 42.2 63.4

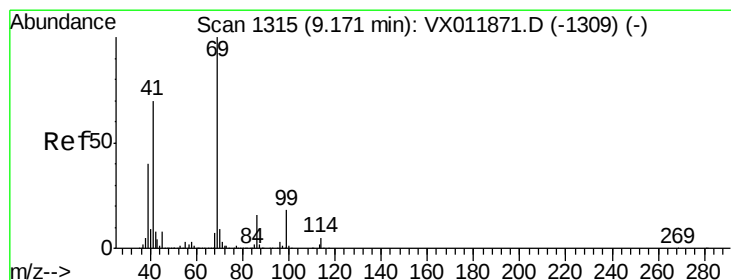
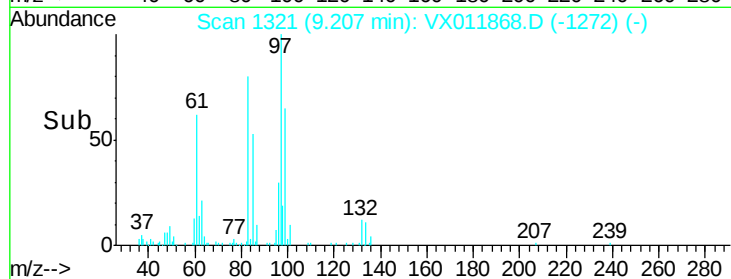
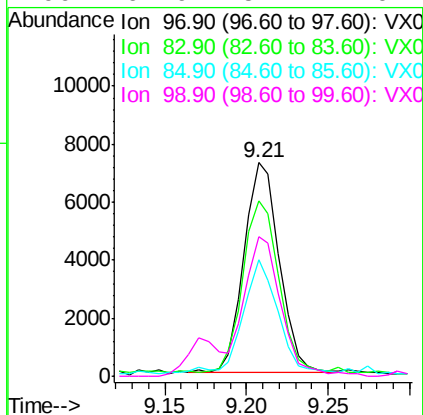
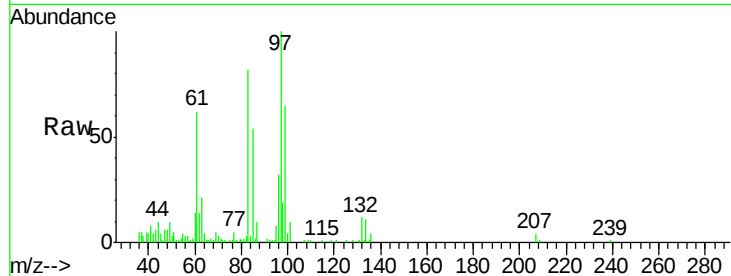




#55
 1,1,2-Trichloroethane
 Concen: 4.875 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

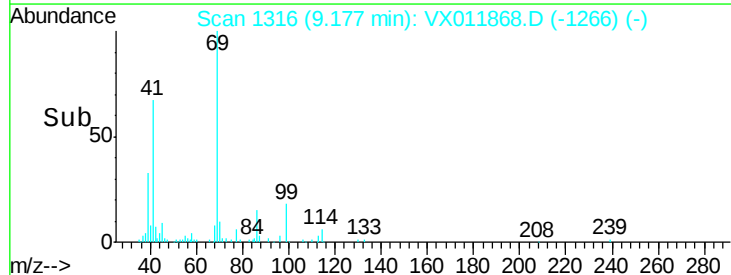
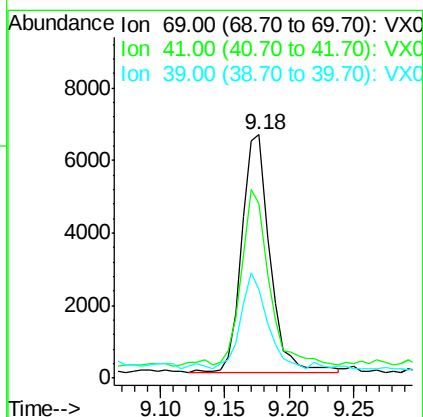
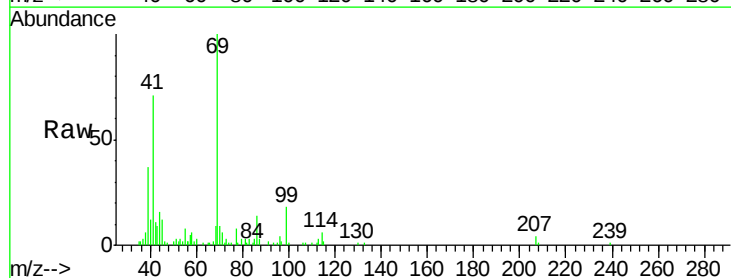
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

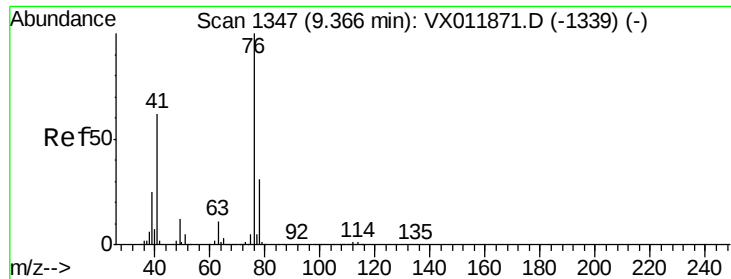
Tot Ion:	97	Resp:	10819
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.6	101.4
85	53.4	42.9	64.3
99	64.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 4.540 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion:	69	Resp:	9823
Ion	Ratio	Lower	Upper
69	100		
41	74.0	55.9	83.9
39	38.9	31.9	47.9

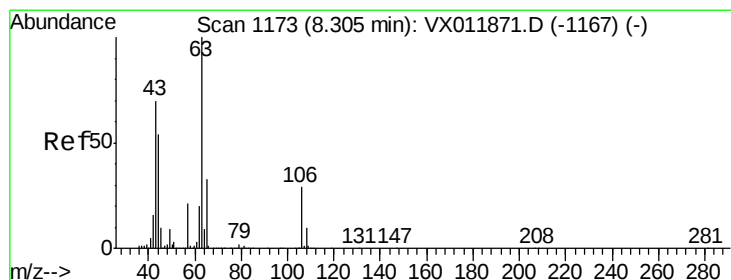
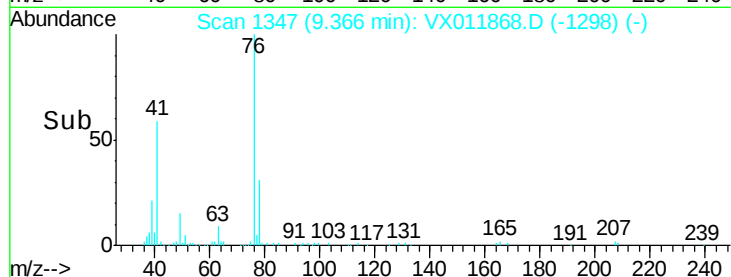
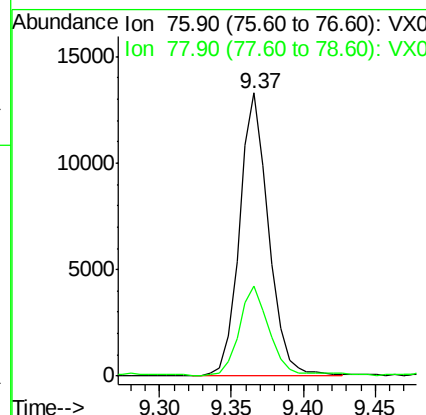
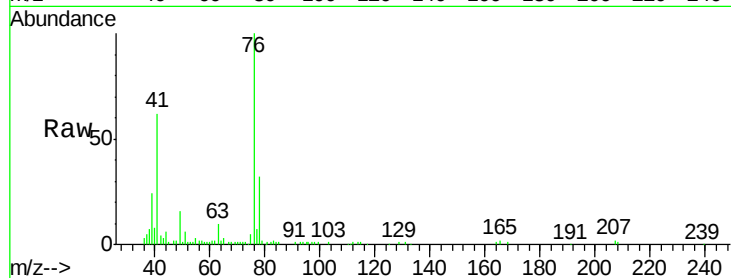




#57
 1,3-Dichloropropane
 Concen: 5.070 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

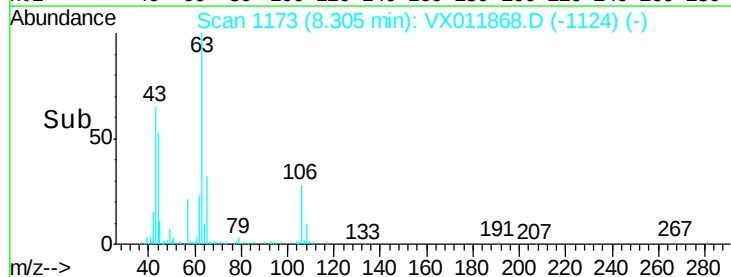
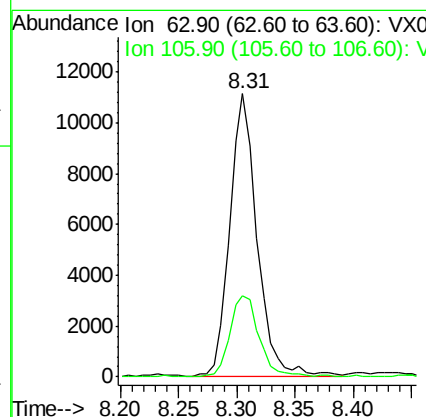
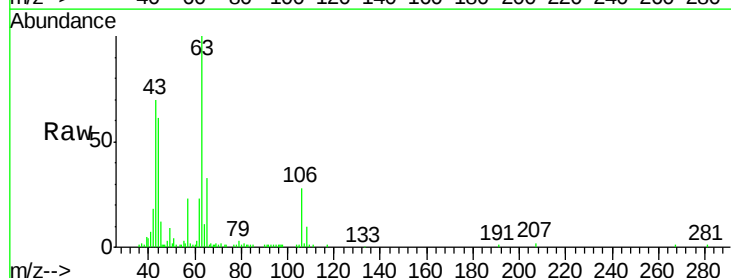
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

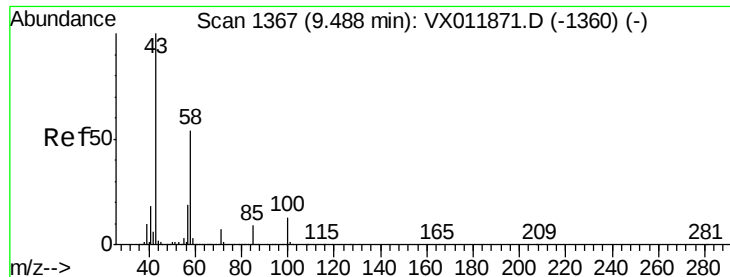
Tot Ion: 76 Resp: 18698
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 50.057 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion: 63 Resp: 18273
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.6 36.8

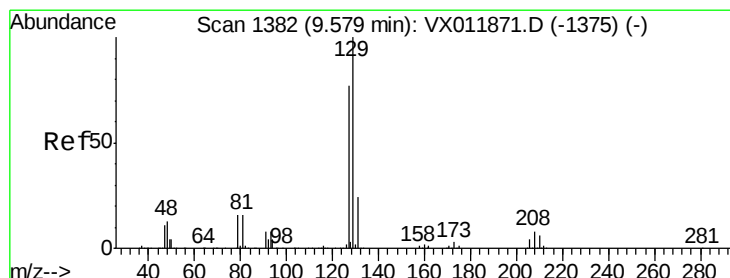
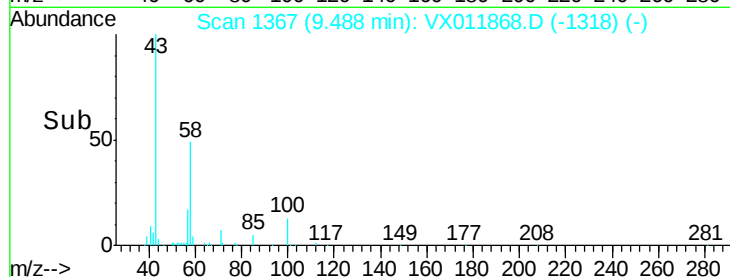
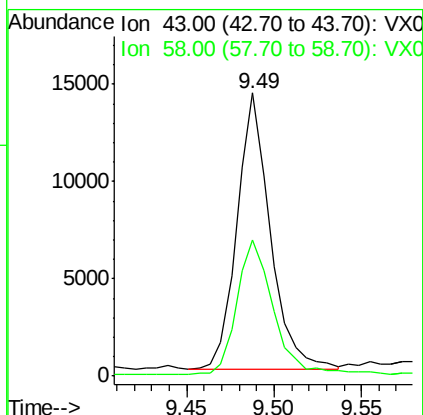
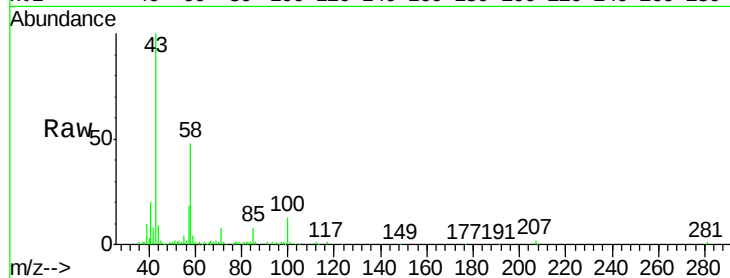




#59
2-Hexanone
Concen: 21.954 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

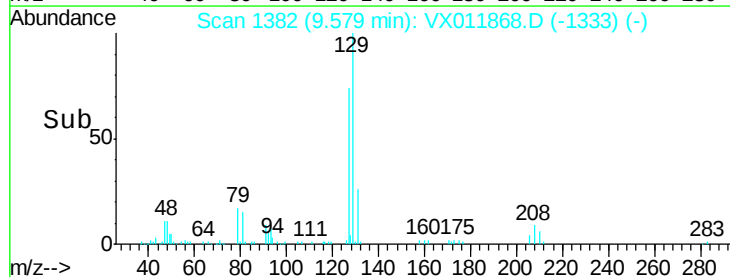
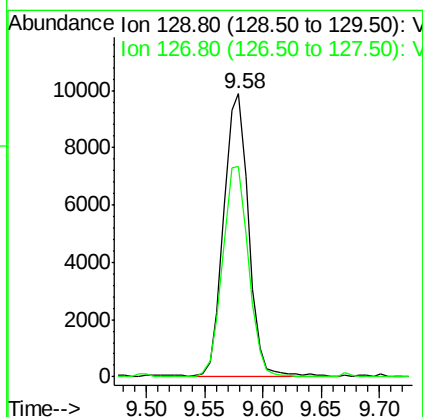
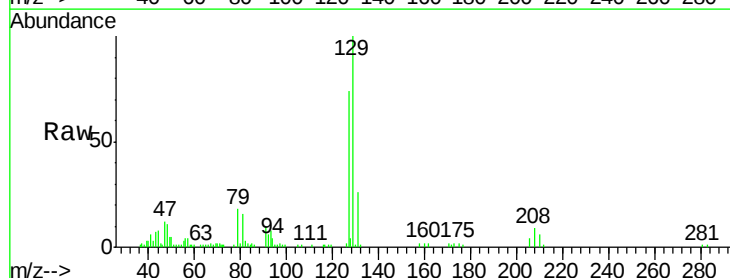
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

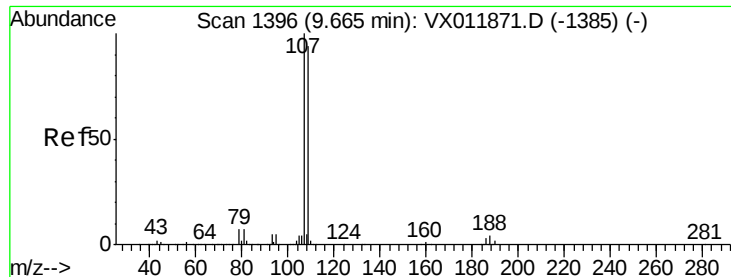
Tot Ion: 43 Resp: 18696
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1



#60
Dibromochloromethane
Concen: 4.991 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 129 Resp: 14737
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 5.166 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

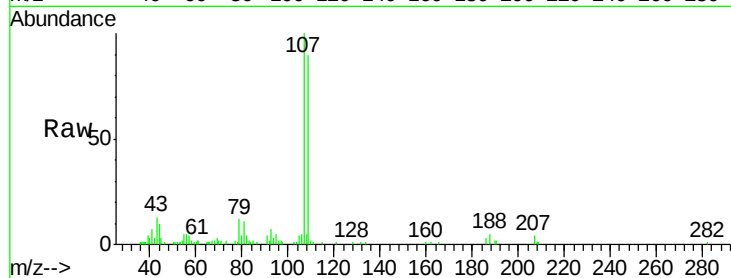
VSTDIC005

Tot Ion:107 Resp: 11225

Ion Ratio Lower Upper

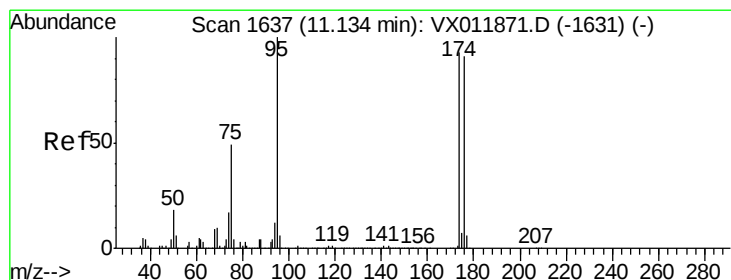
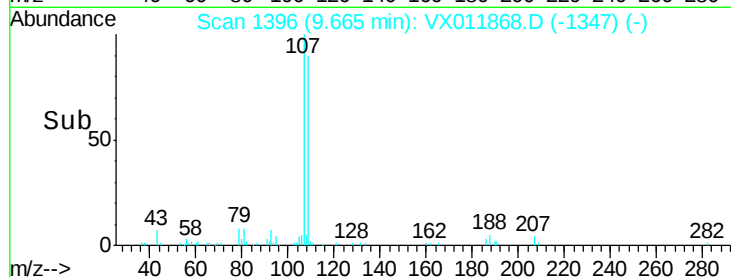
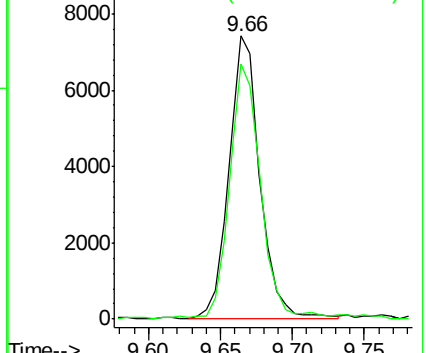
107 100

109 87.6 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.459 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

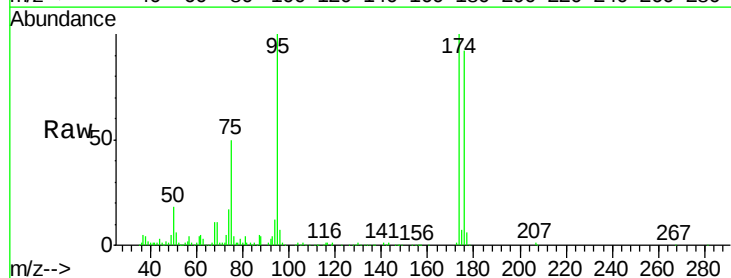
Tgt Ion: 95 Resp: 41555

Ion Ratio Lower Upper

95 100

174 93.8 0.0 189.2

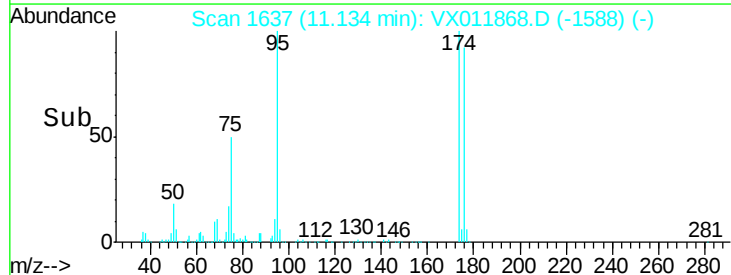
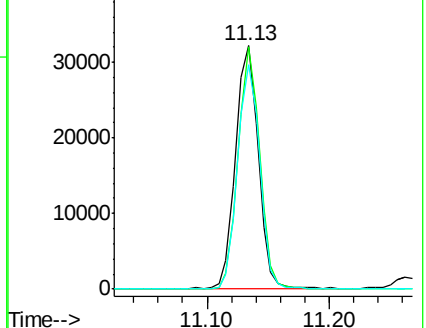
176 89.5 0.0 185.6

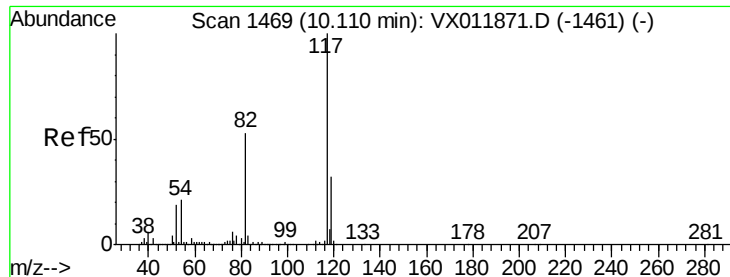


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

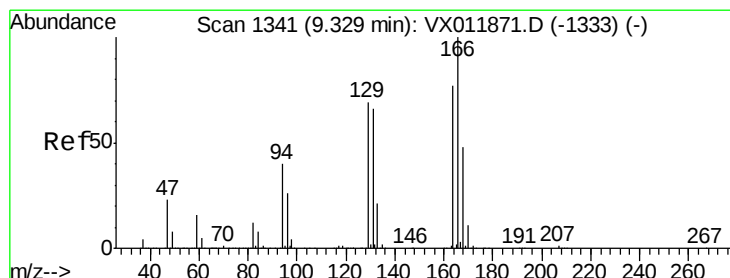
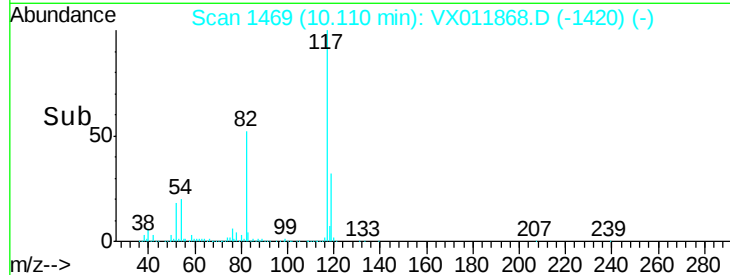
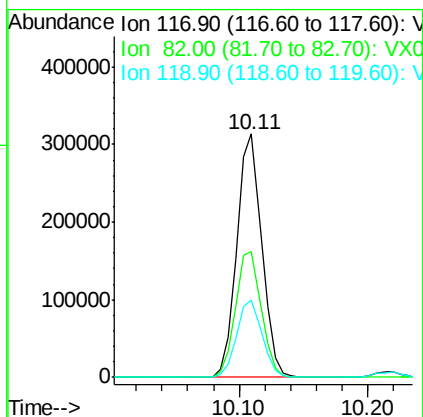
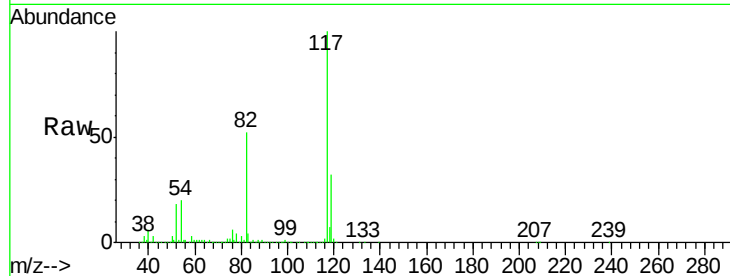




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

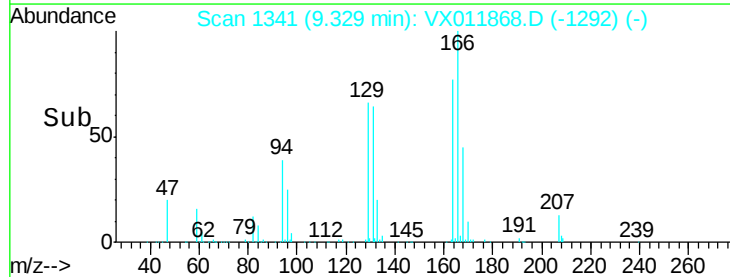
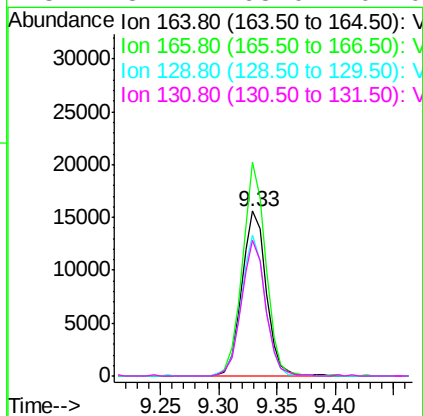
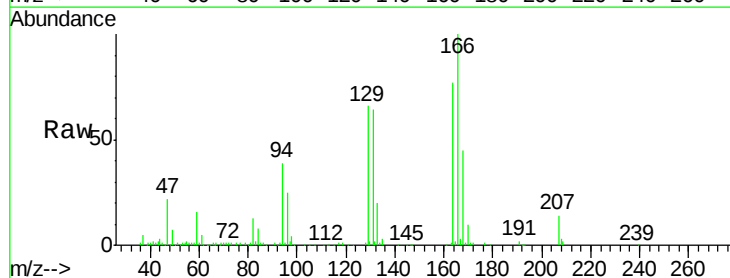
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

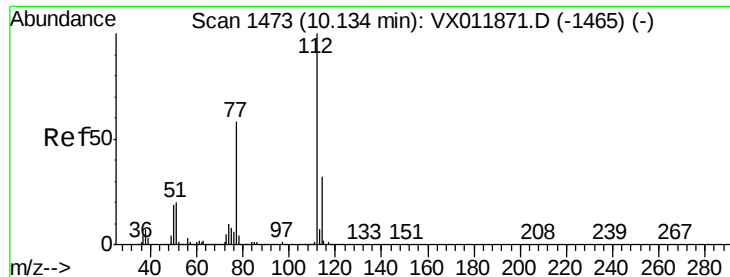
Tot Ion:117 Resp: 422334
Ion Ratio Lower Upper
117 100
82 51.7 42.4 63.6
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 5.555 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion:164 Resp: 22828
Ion Ratio Lower Upper
164 100
166 129.7 103.6 155.4
129 85.5 71.4 107.2
131 82.7 68.0 102.0

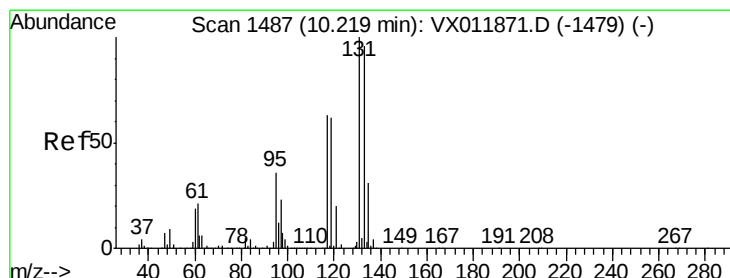
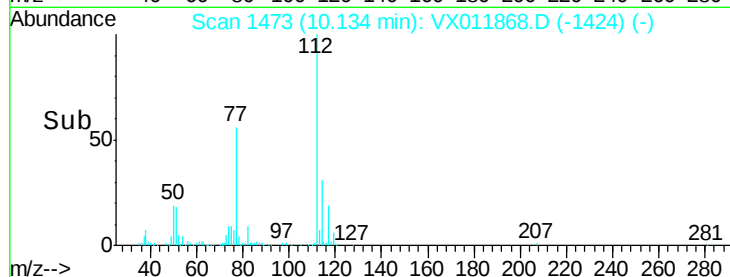
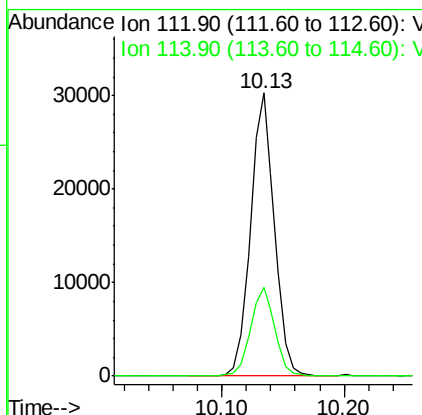
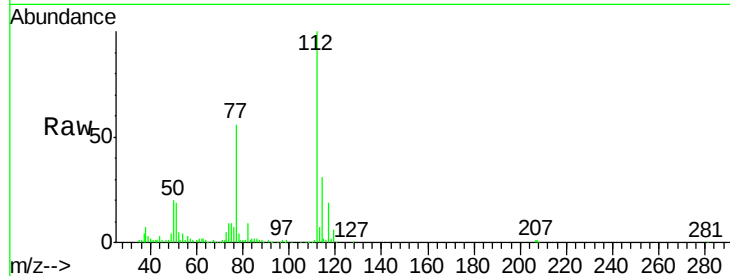




#65
Chlorobenzene
Concen: 5.256 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

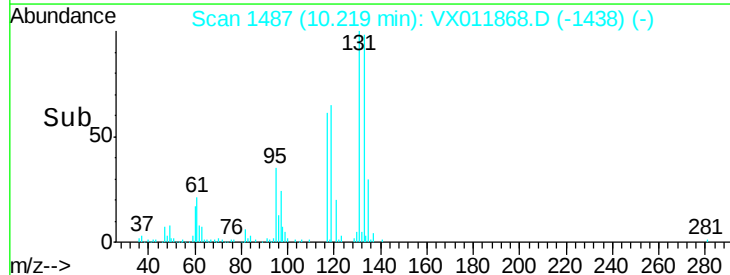
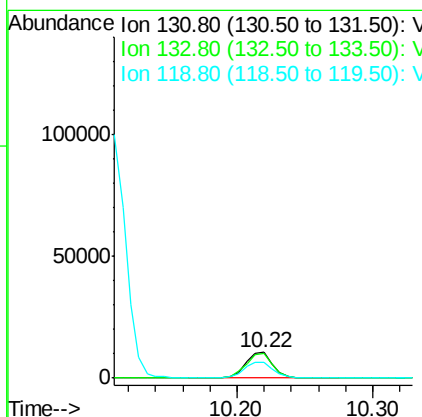
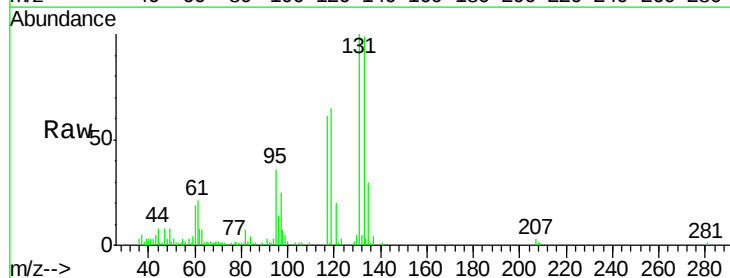
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

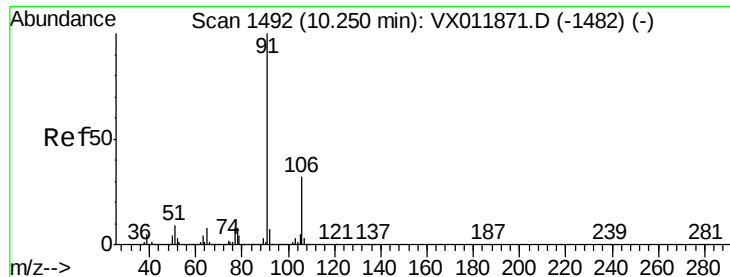
Tot Ion:112 Resp: 41112
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.197 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion:131 Resp: 14913
Ion Ratio Lower Upper
131 100
133 97.9 47.8 143.3
119 64.5 31.1 93.5

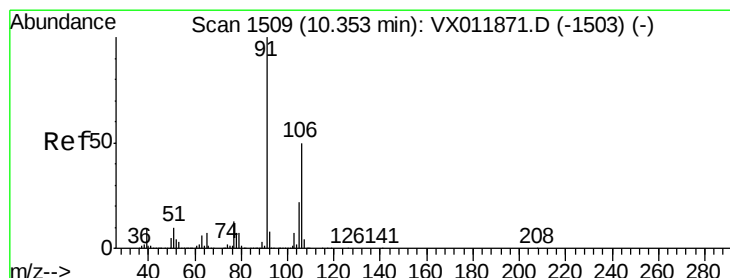
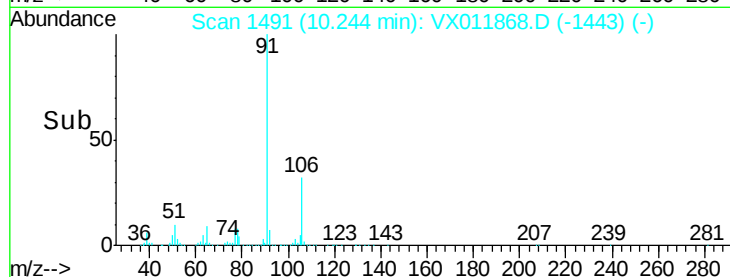
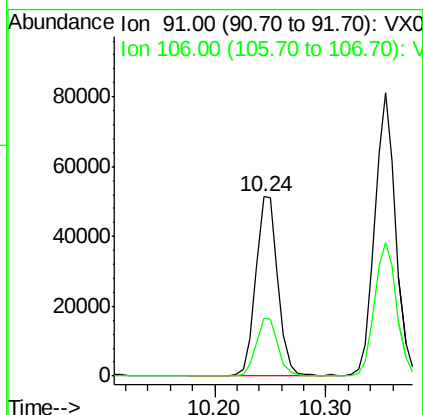
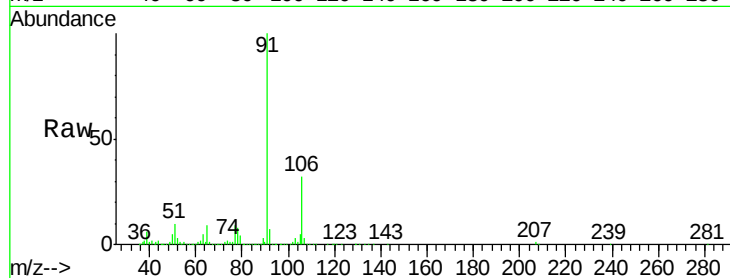




#67
Ethyl Benzene
Concen: 5.272 ug/l
RT: 10.24 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

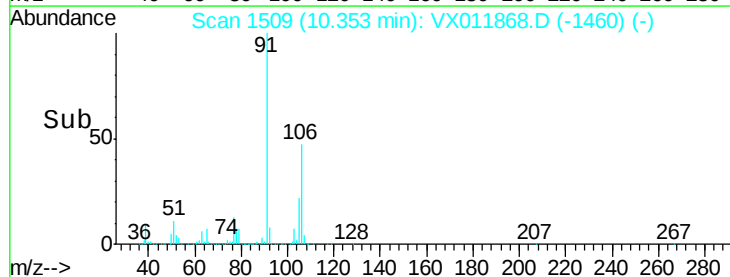
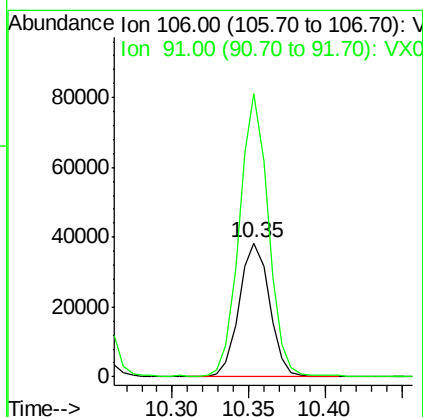
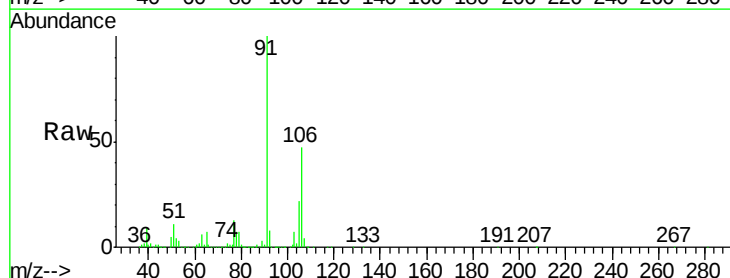
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

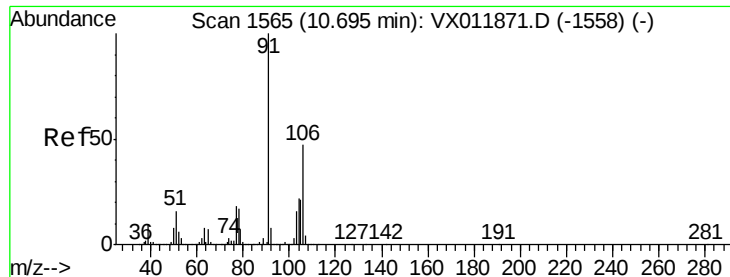
Tot Ion: 91 Resp: 70832
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 10.292 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion: 106 Resp: 52633
Ion Ratio Lower Upper
106 100
91 202.3 158.9 238.3

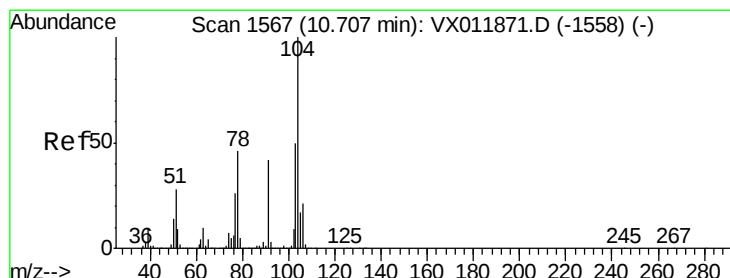
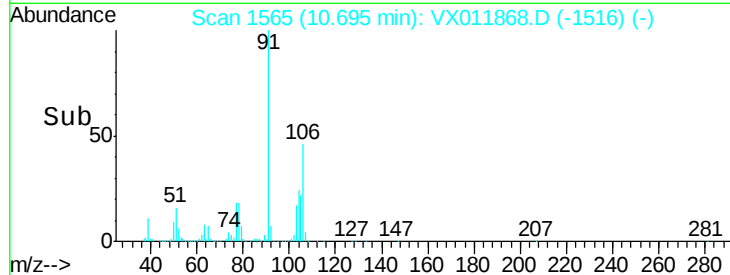
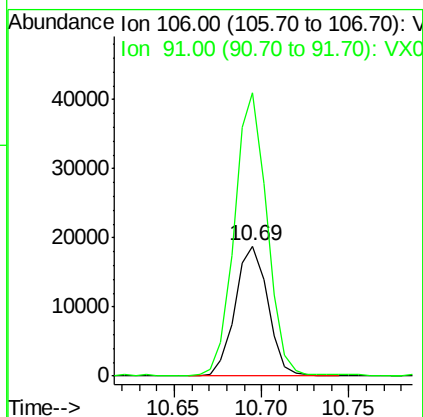
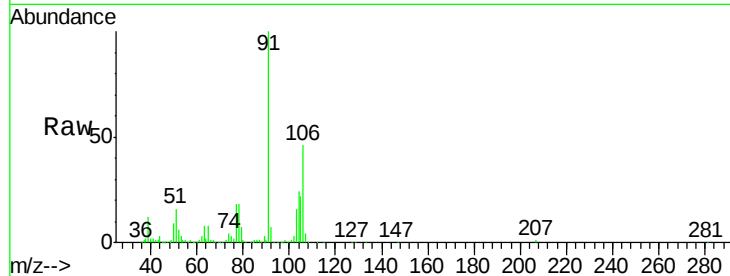




#69
o-Xylene
Concen: 5.132 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

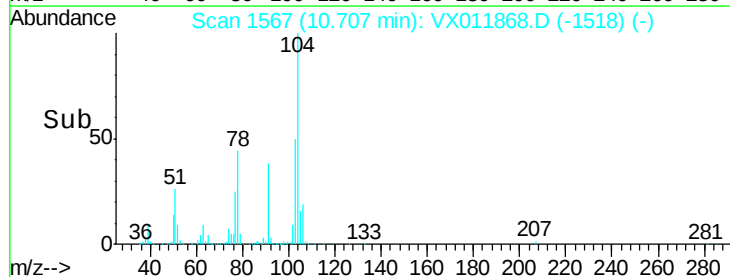
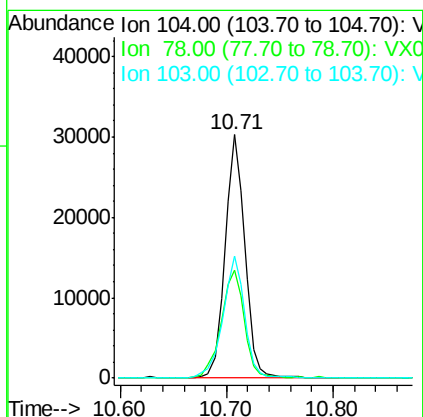
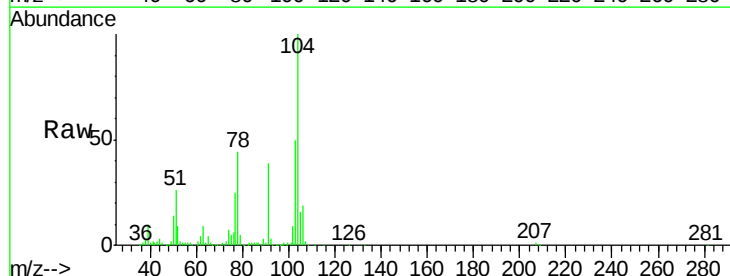
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

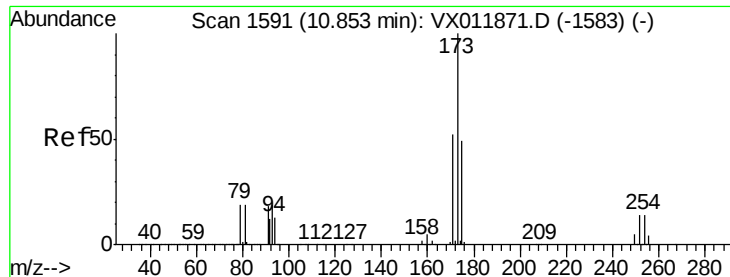
Tot Ion:106 Resp: 24699
Ion Ratio Lower Upper
106 100
91 212.8 105.6 316.8



#70
Styrene
Concen: 4.973 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011868.D
Acq: 28 Aug 2019 10:41

Tgt Ion:104 Resp: 39577
Ion Ratio Lower Upper
104 100
78 50.9 40.4 60.6
103 54.6 43.5 65.3





#71

Bromoform

Concen: 5.061 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

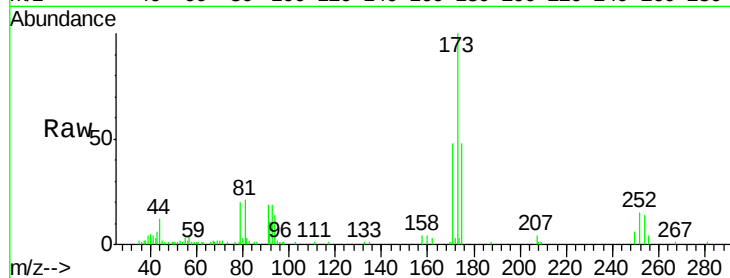
Tot Ion:173 Resp: 9410

Ion Ratio Lower Upper

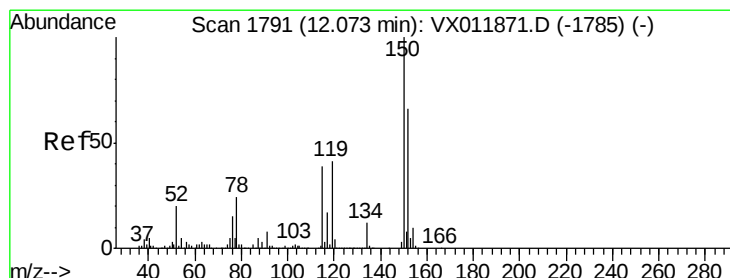
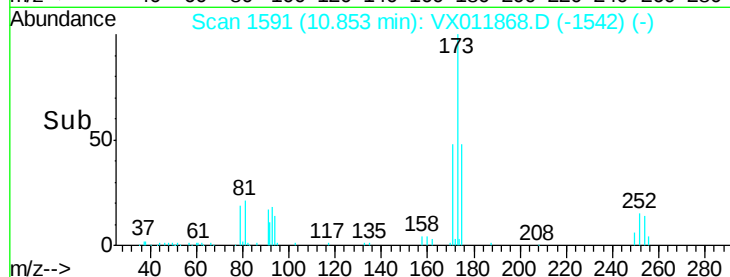
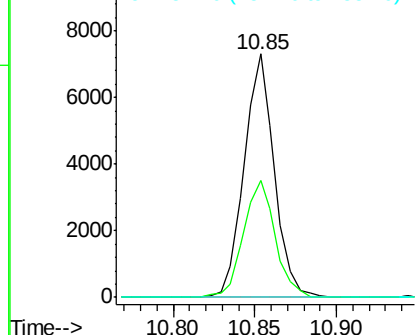
173 100

175 50.4 23.8 71.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

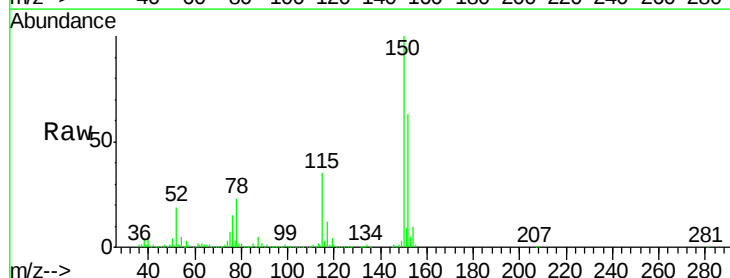
Tgt Ion:152 Resp: 204791

Ion Ratio Lower Upper

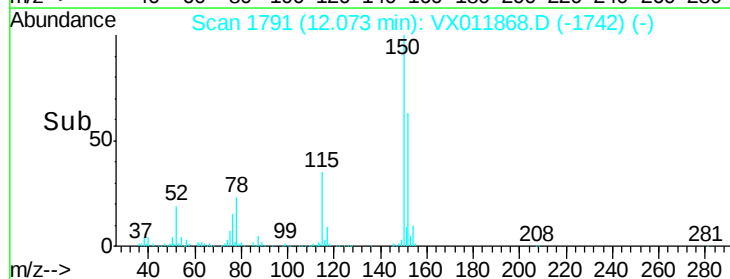
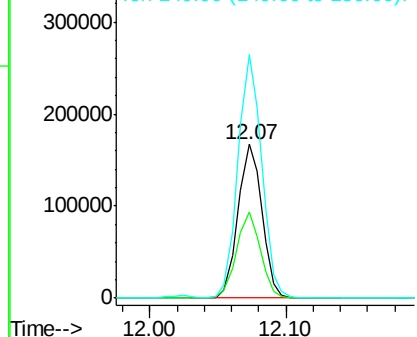
152 100

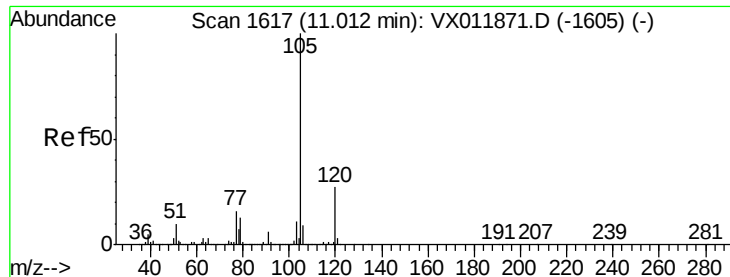
115 56.3 36.0 108.1

150 157.5 0.0 341.4



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





#73

Isopropylbenzene

Concen: 5.506 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

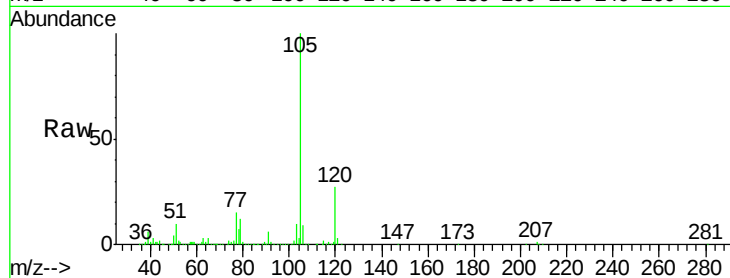
VSTDIC005

Tot Ion:105 Resp: 65116

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

60000

50000

40000

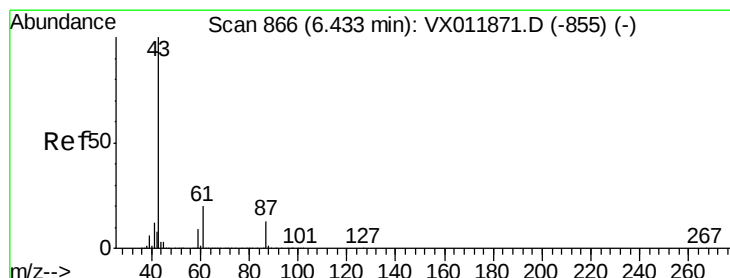
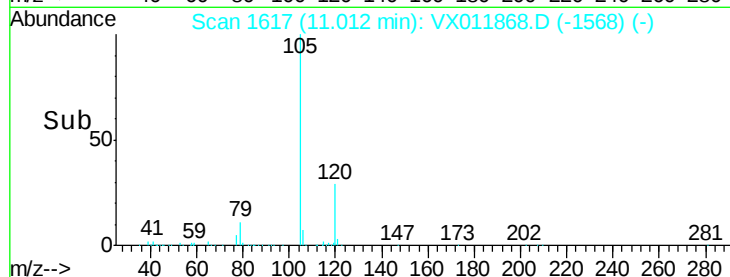
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 5.346 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Tgt Ion: 43 Resp: 15919

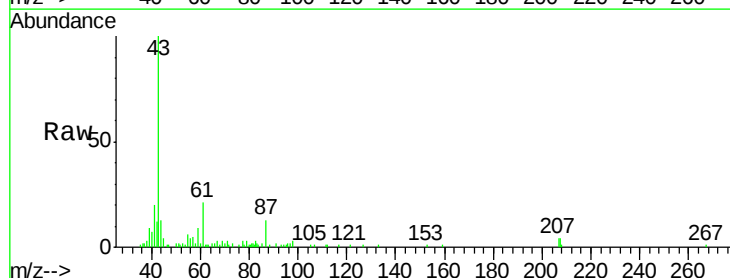
Ion Ratio Lower Upper

43 100

70 0.3 0.1 0.1#

55 0.0 0.1 0.1#

61 21.2 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

8000

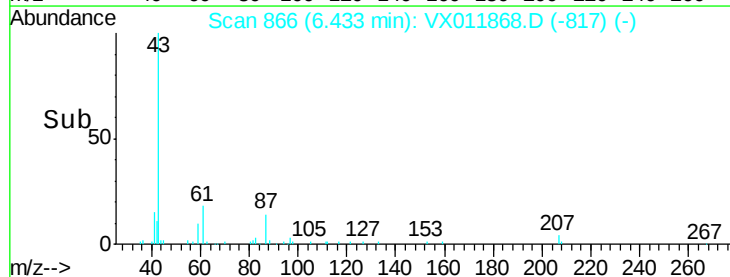
6000

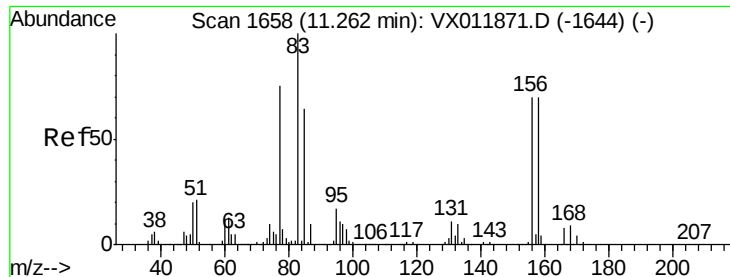
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.490 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

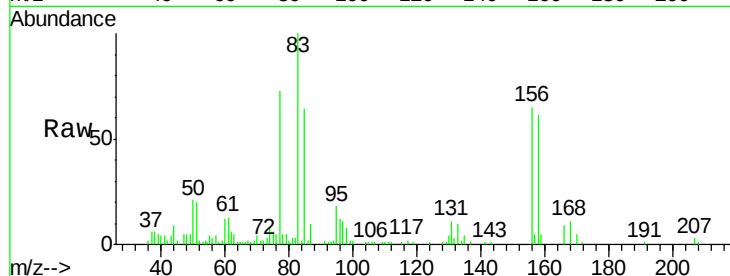
Tot Ion: 83 Resp: 10864

Ion Ratio Lower Upper

83 100

131 12.6 6.0 18.1

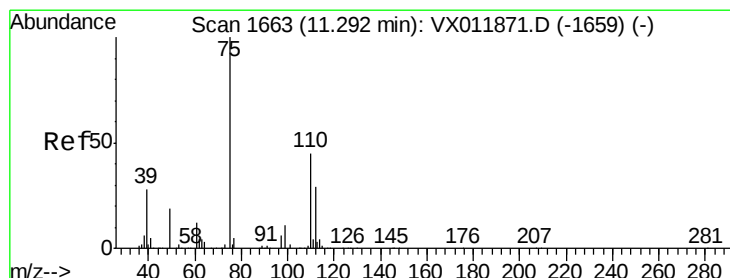
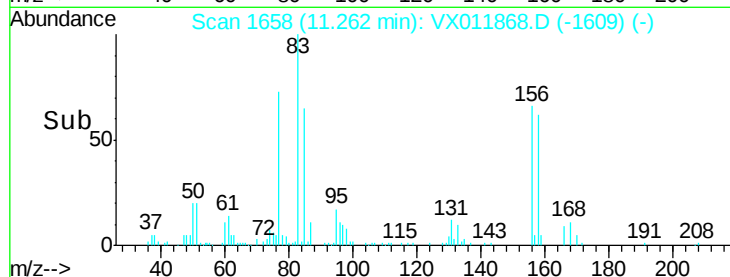
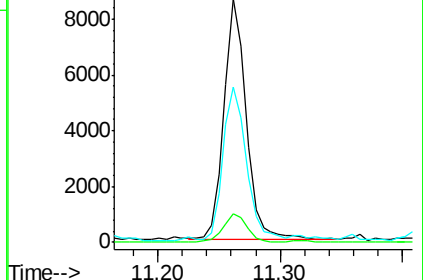
85 68.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 5.174 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011868.D

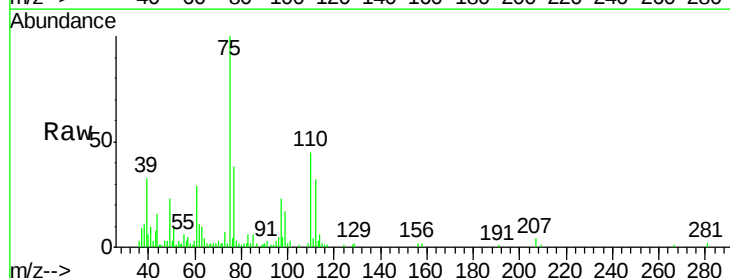
Acq: 28 Aug 2019 10:41

Tgt Ion: 75 Resp: 8139

Ion Ratio Lower Upper

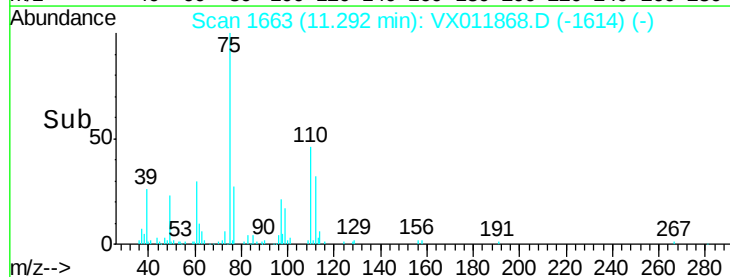
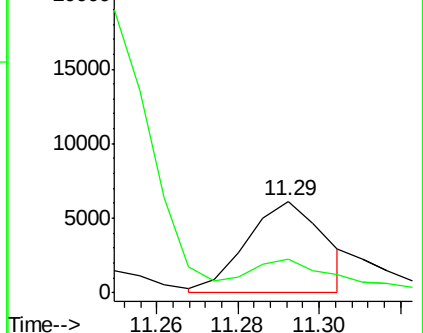
75 100

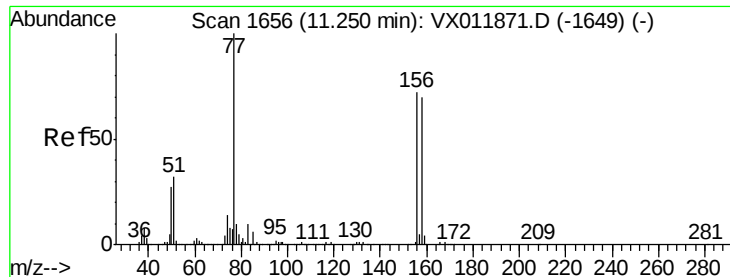
77 41.4 19.5 58.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.362 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

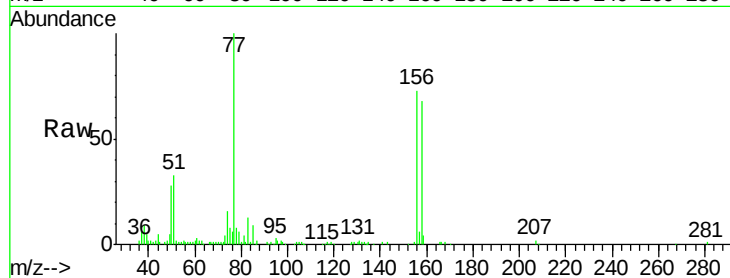
Tot Ion:156 Resp: 17679

Ion Ratio Lower Upper

156 100

77 139.0 69.4 208.2

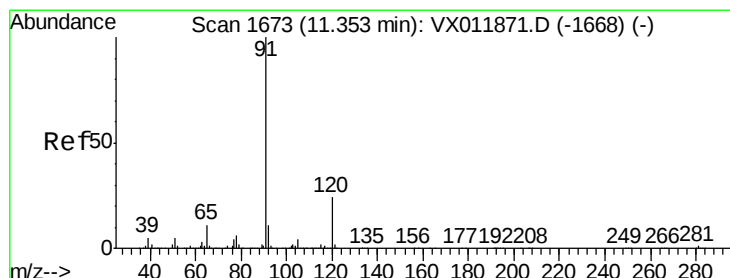
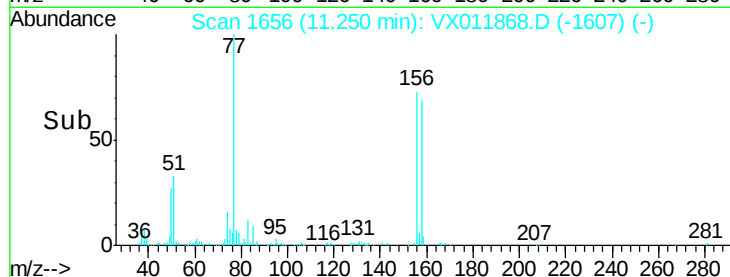
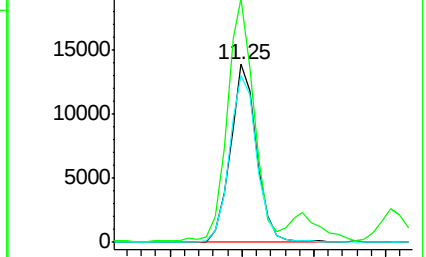
158 97.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.360 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011868.D

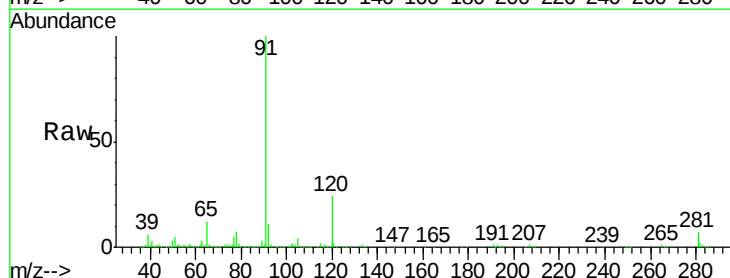
Acq: 28 Aug 2019 10:41

Tgt Ion: 91 Resp: 69723

Ion Ratio Lower Upper

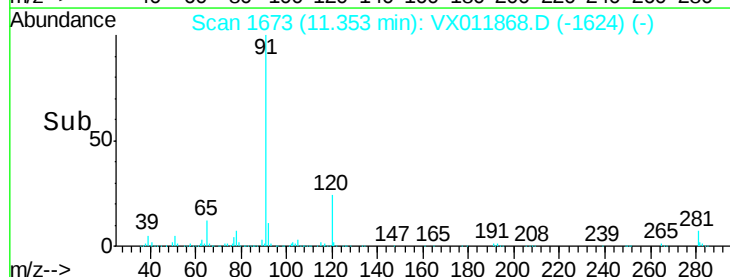
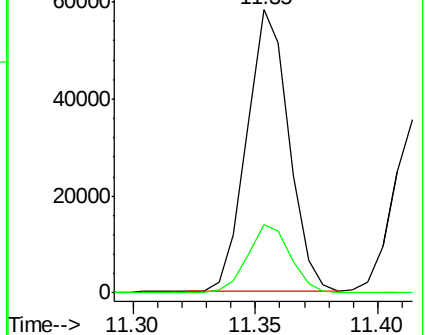
91 100

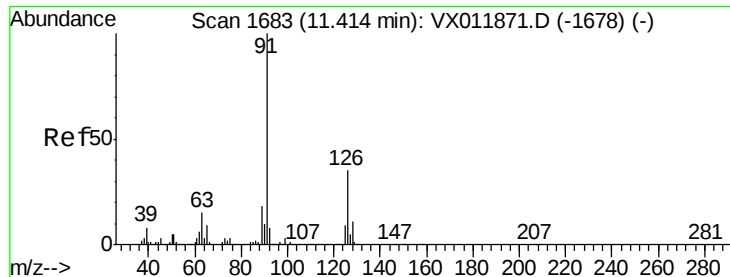
120 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.460 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

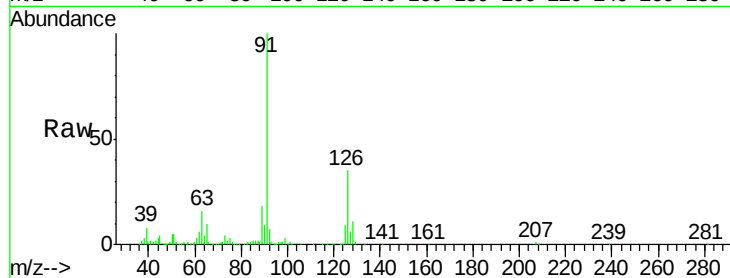
VSTDIC005

Tot Ion: 91 Resp: 44514

Ion Ratio Lower Upper

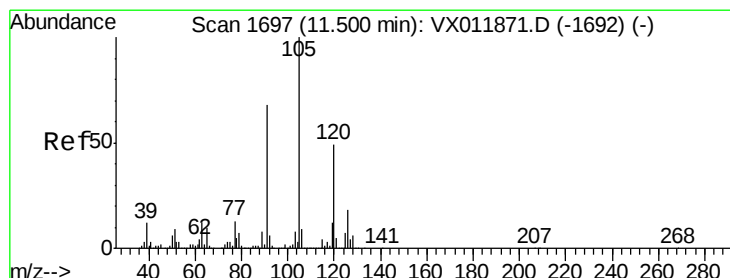
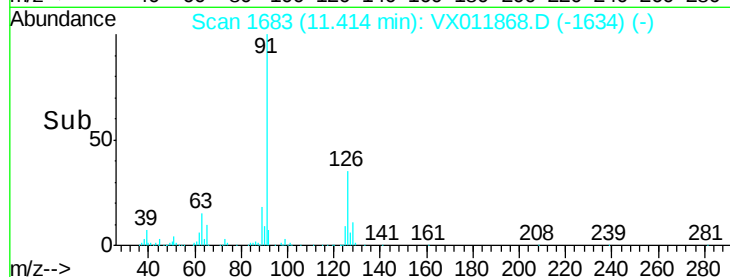
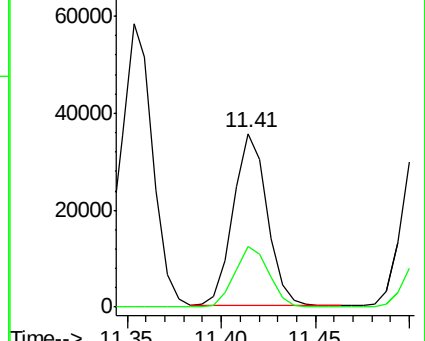
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.383 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VX011868.D

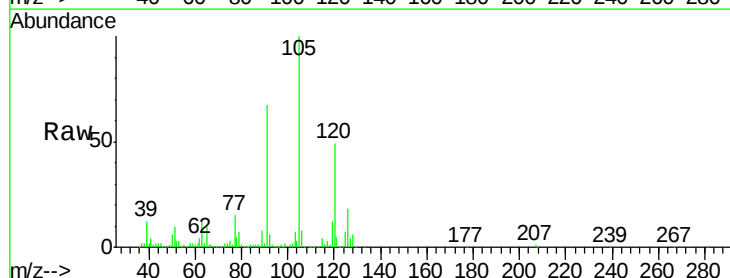
Acq: 28 Aug 2019 10:41

Tgt Ion:105 Resp: 53406

Ion Ratio Lower Upper

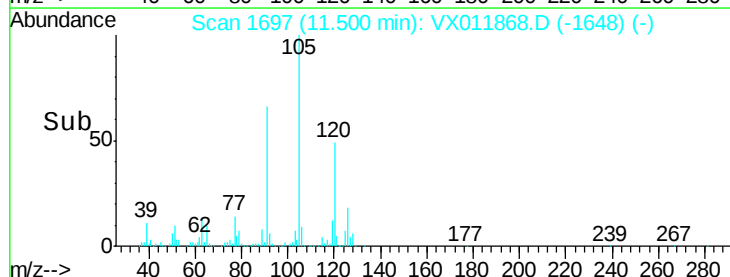
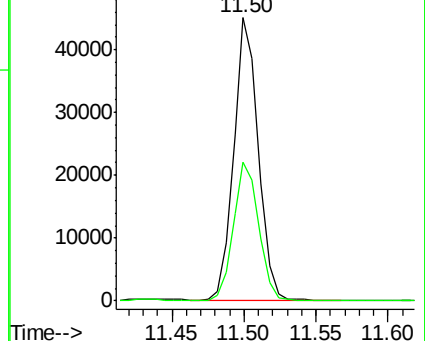
105 100

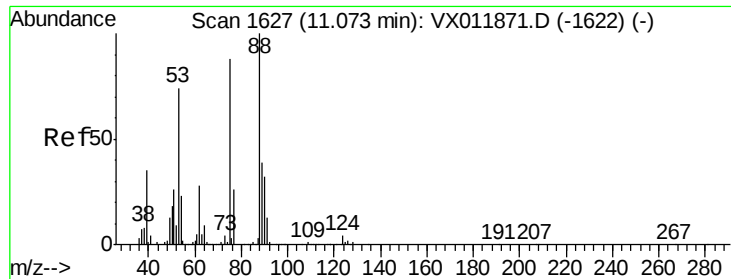
120 51.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 5.471 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

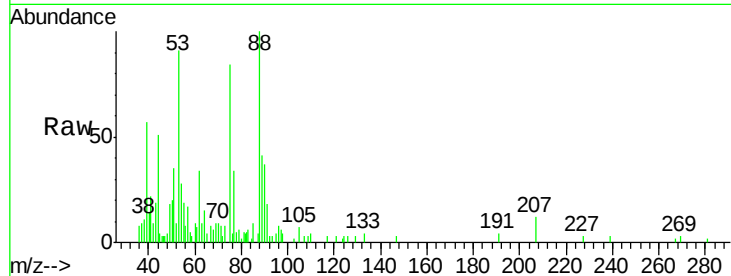
Tot Ion: 75 Resp: 2338

Ion Ratio Lower Upper

75 100

53 104.1 73.3 109.9

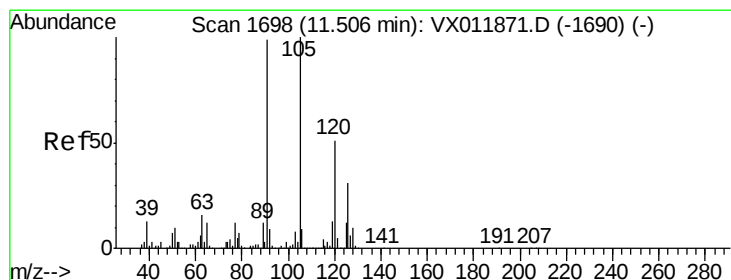
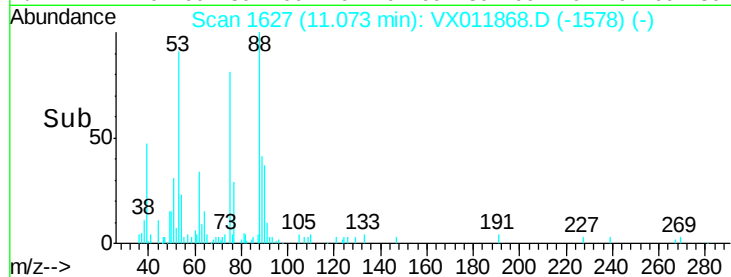
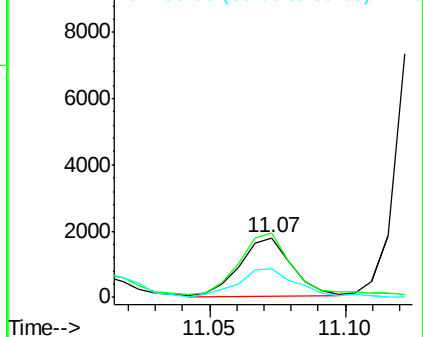
89 56.7 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.381 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011868.D

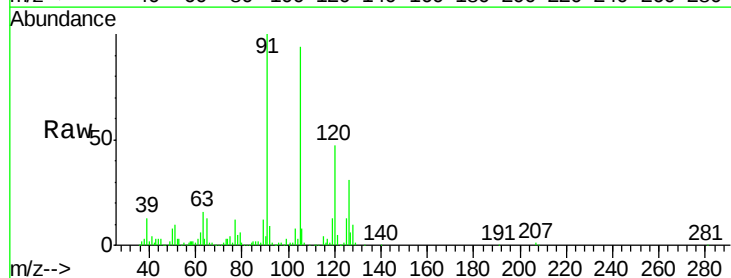
Acq: 28 Aug 2019 10:41

Tgt Ion: 91 Resp: 50858

Ion Ratio Lower Upper

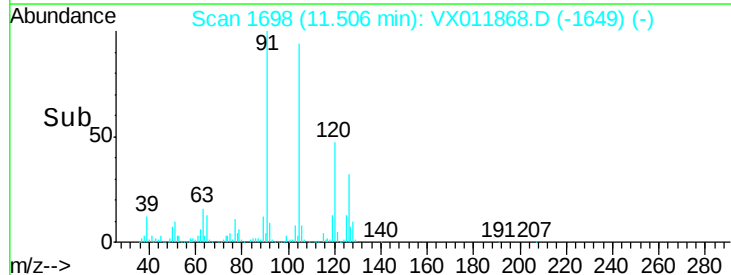
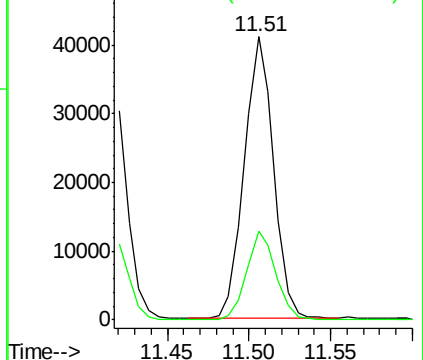
91 100

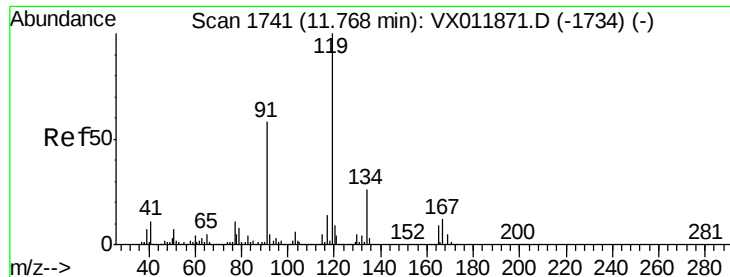
126 31.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

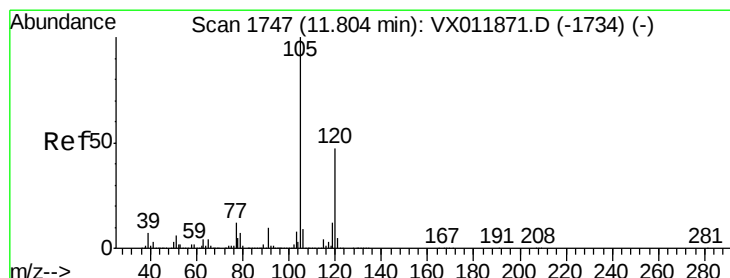
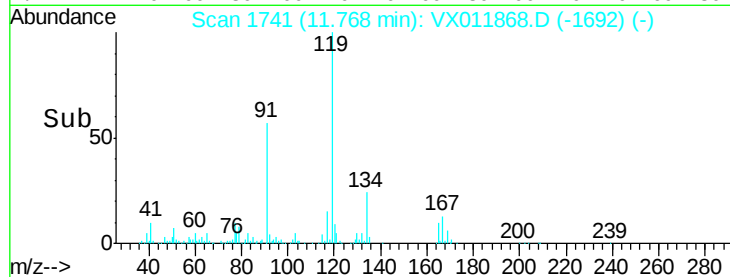
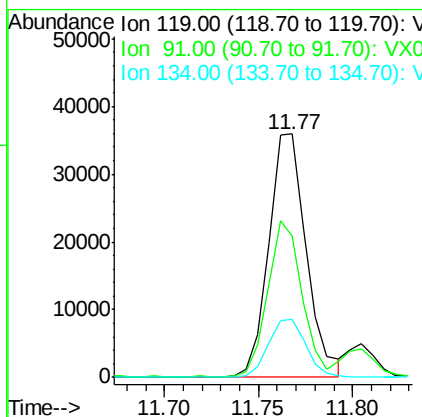
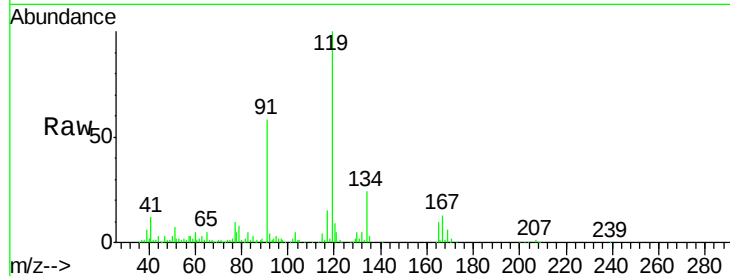




#83
 tert-Butylbenzene
 Concen: 5.381 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

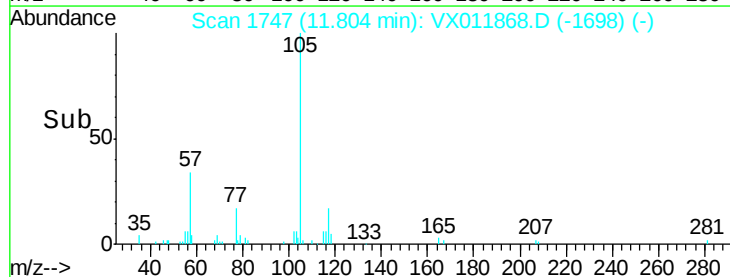
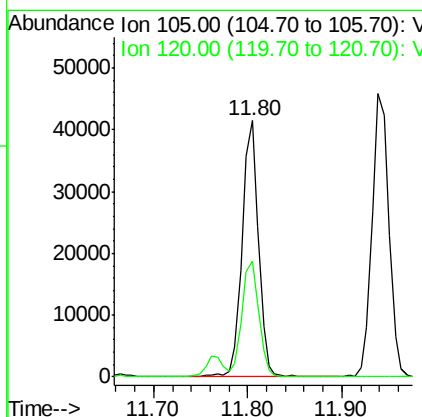
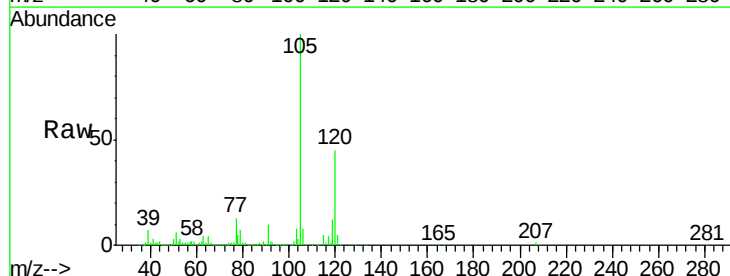
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

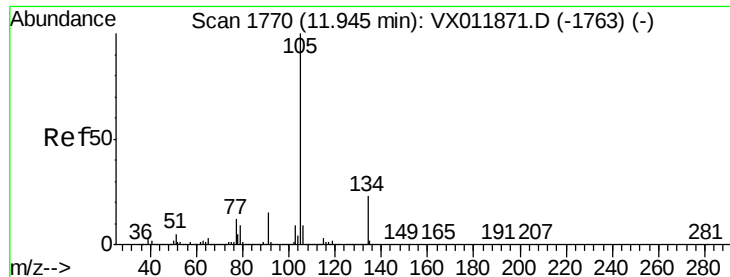
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	28.6	85.8
134	23.9	12.4	37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 5.365 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.0





#85

sec-Butylbenzene

Concen: 5.343 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

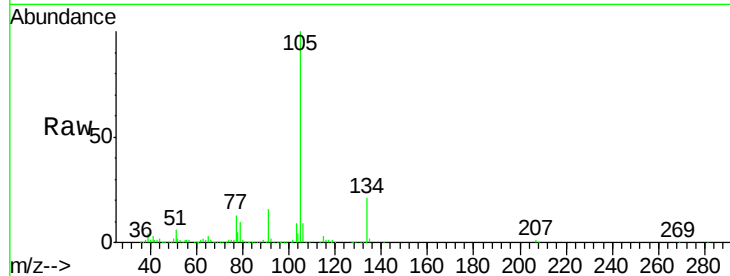
VSTDIC005

Tot Ion:105 Resp: 57230

Ion Ratio Lower Upper

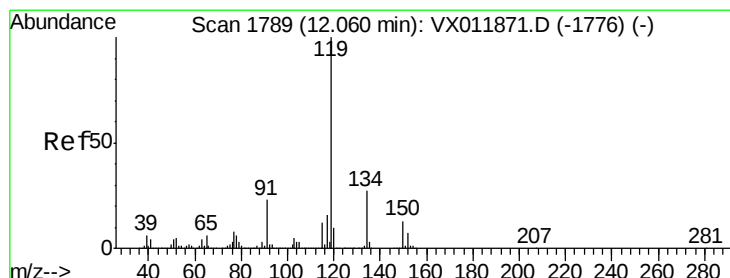
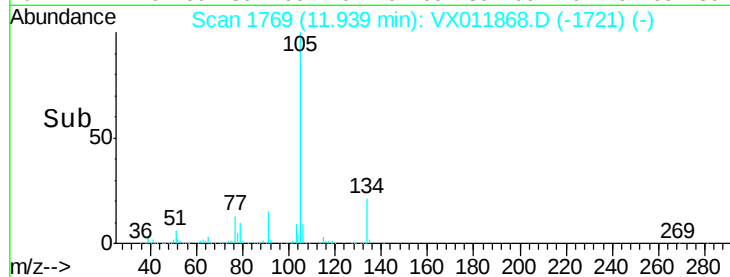
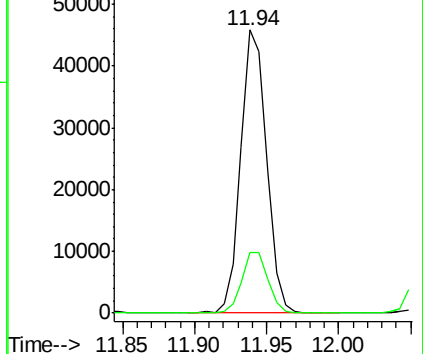
105 100

134 22.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.302 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

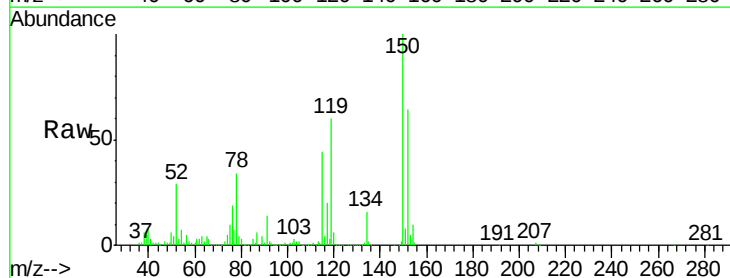
Tgt Ion:119 Resp: 52305

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

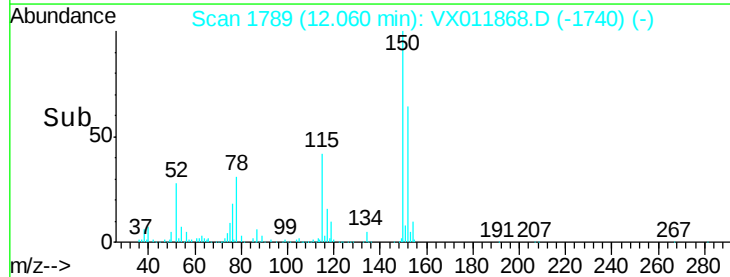
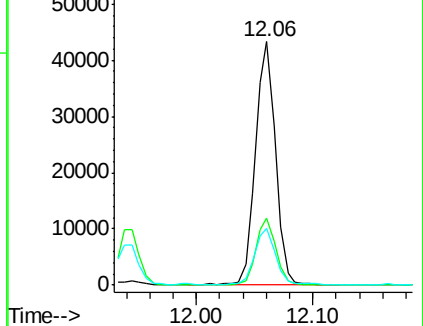
91 23.8 11.7 35.0

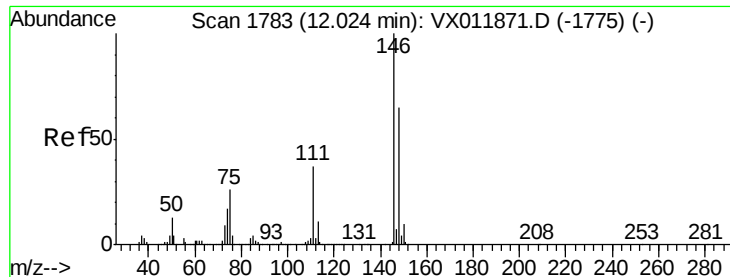


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

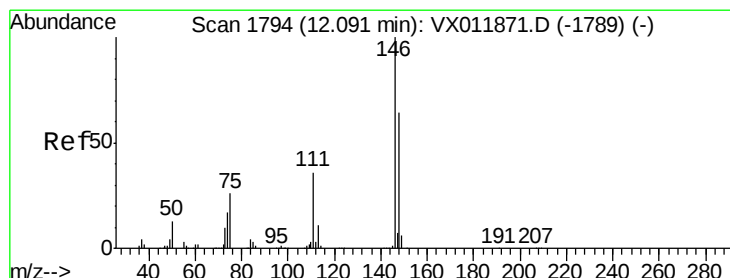
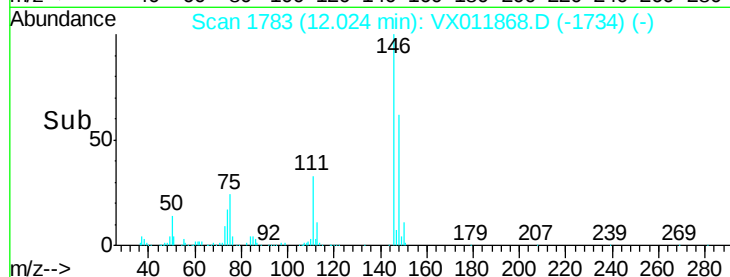
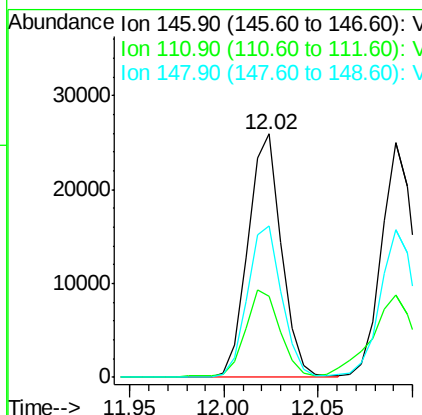
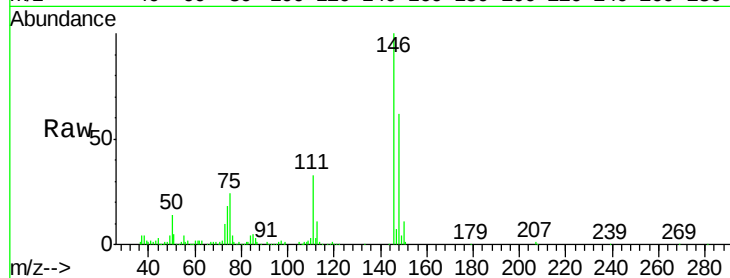




#87
 1,3-Dichlorobenzene
 Concen: 5.399 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

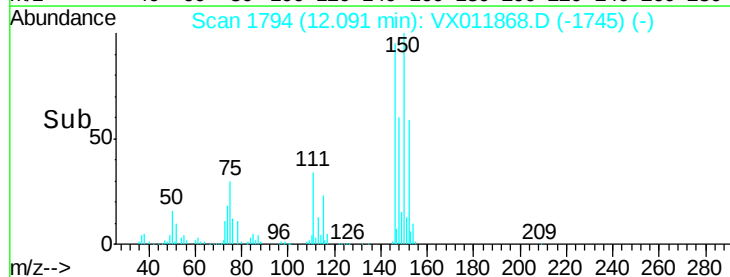
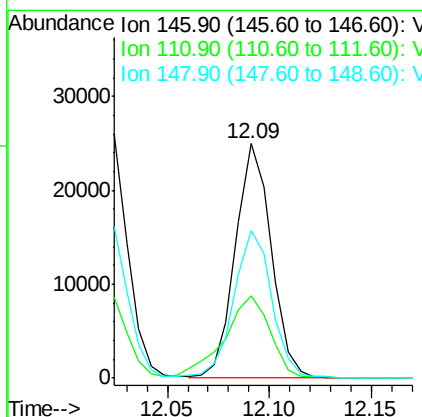
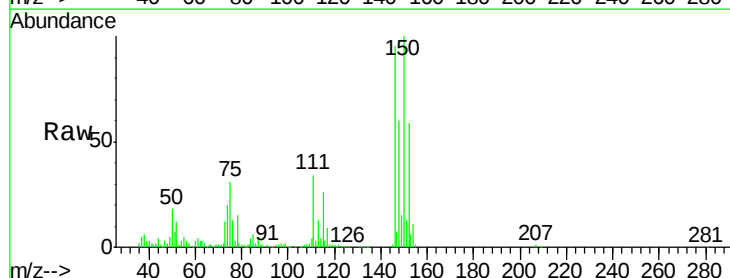
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

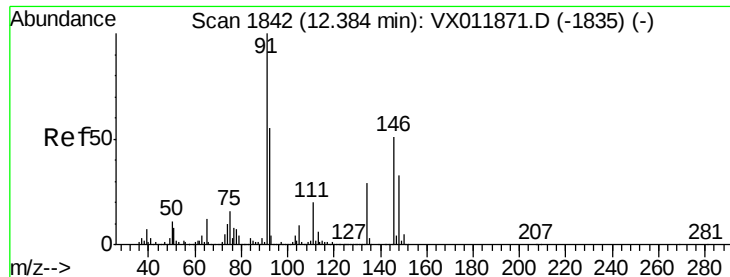
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	63.9	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.276 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	18.3	54.8
148	67.2	32.3	96.8





#89

n-Butylbenzene

Concen: 5.301 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

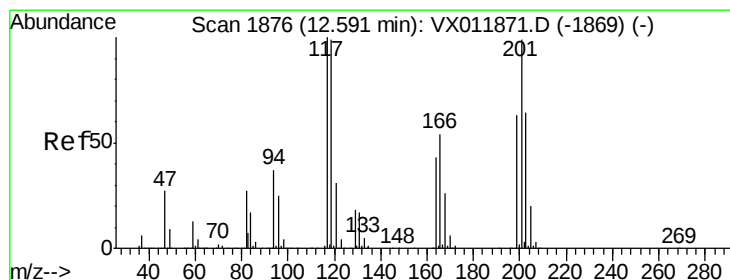
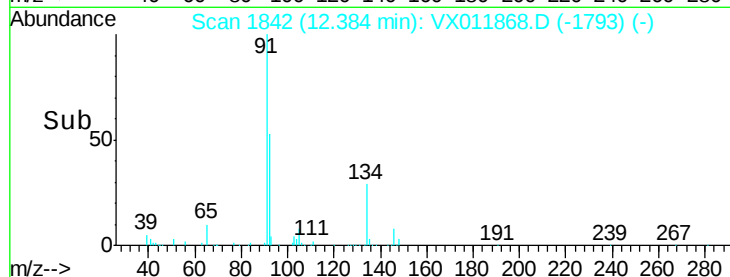
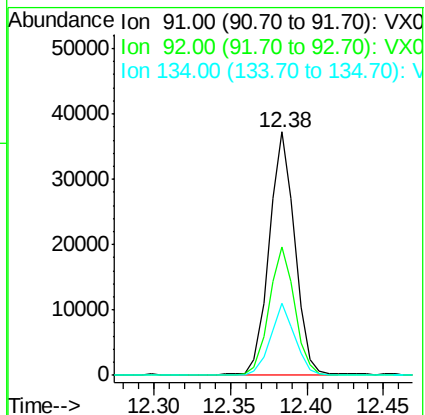
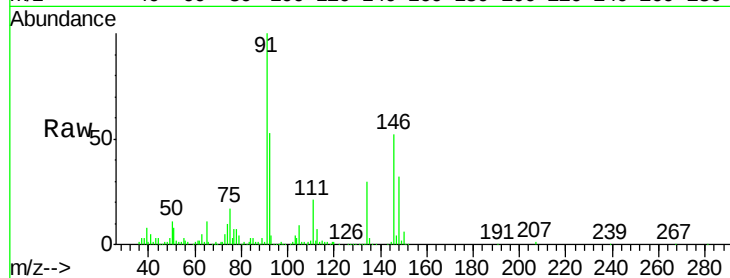
Tot Ion: 91 Resp: 43386

Ion Ratio Lower Upper

91 100

92 53.0 27.6 82.7

134 28.5 14.4 43.4



#90

Hexachloroethane

Concen: 5.710 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX011868.D

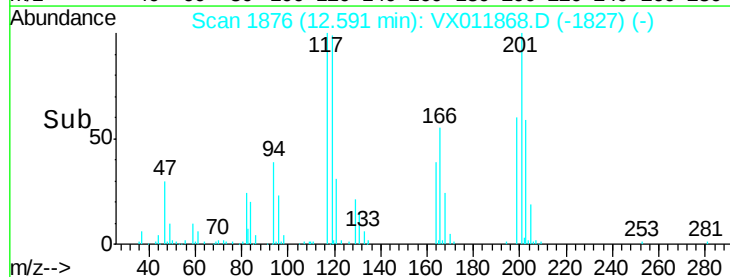
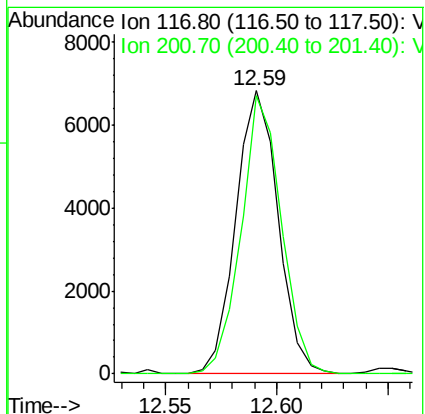
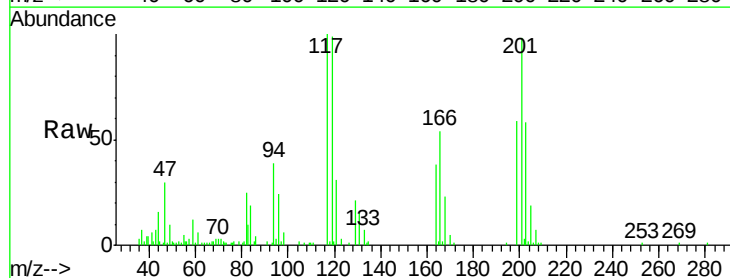
Acq: 28 Aug 2019 10:41

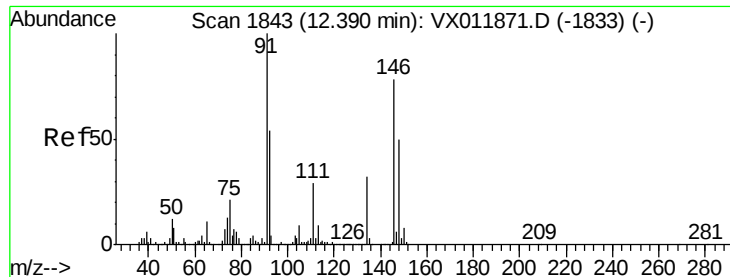
Tgt Ion: 117 Resp: 9041

Ion Ratio Lower Upper

117 100

201 93.4 51.0 153.1

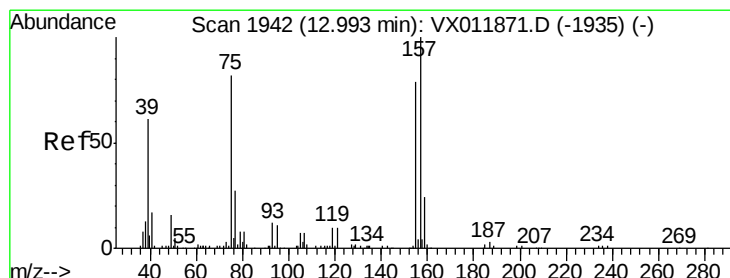
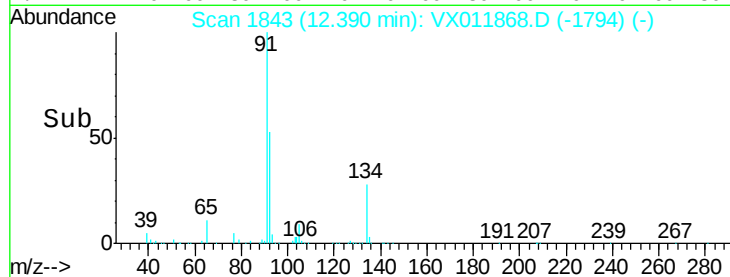
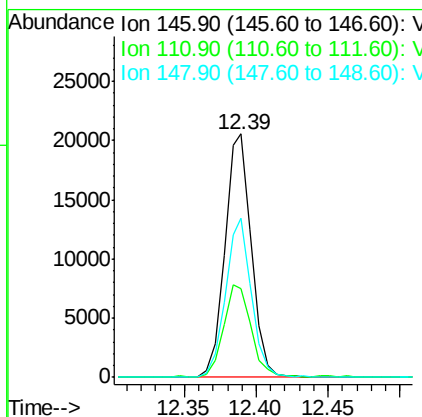
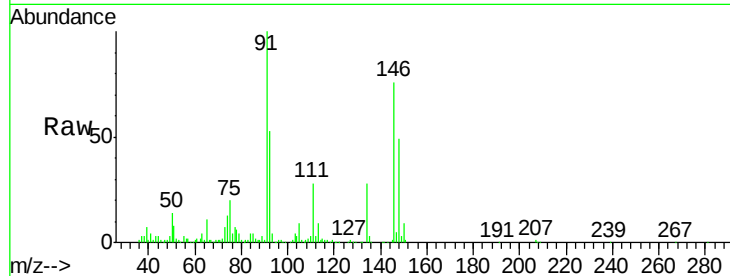




#91
 1,2-Dichlorobenzene
 Concen: 5.240 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

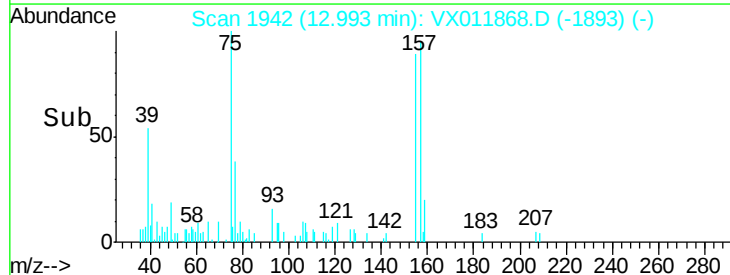
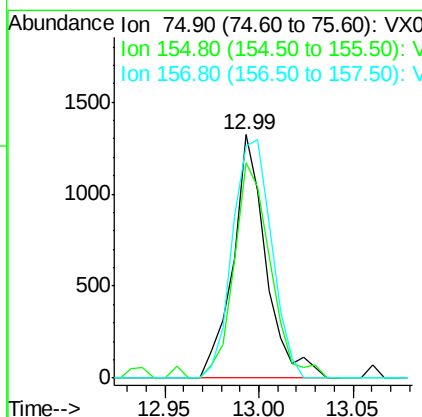
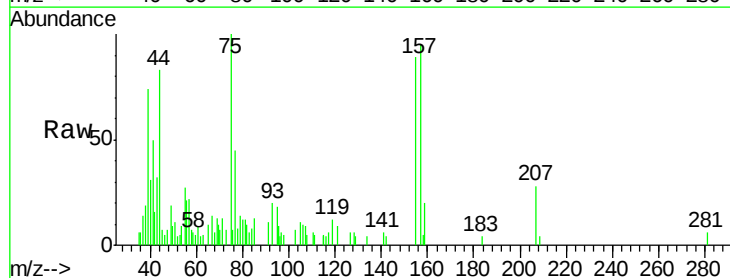
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

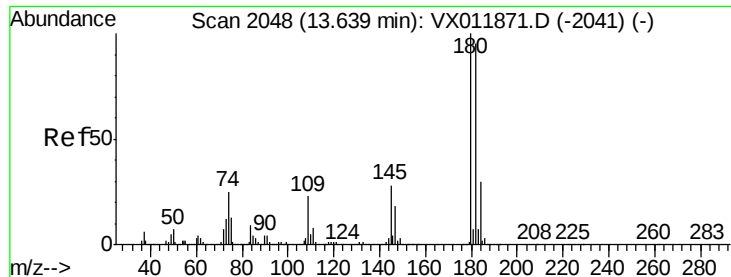
Tot Ion:146 Resp: 26480
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 64.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.772 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion: 75 Resp: 1608
 Ion Ratio Lower Upper
 75 100
 155 97.1 50.3 150.9
 157 115.5 64.7 194.1

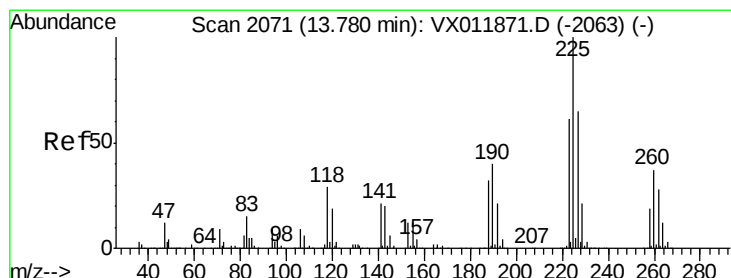
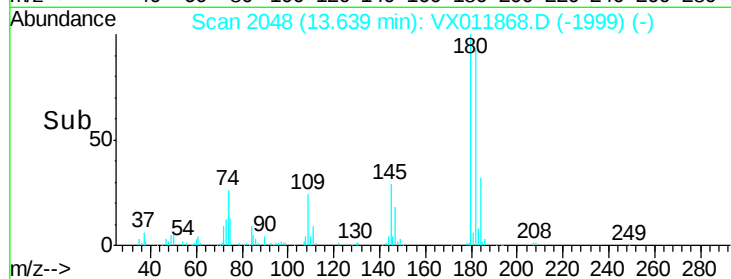
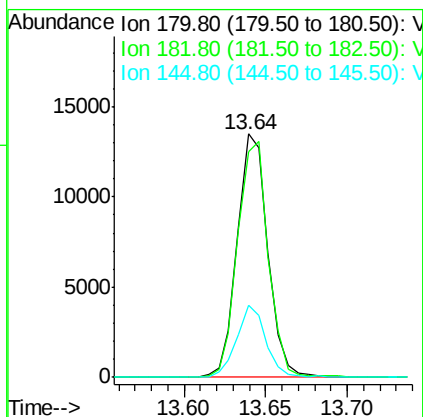
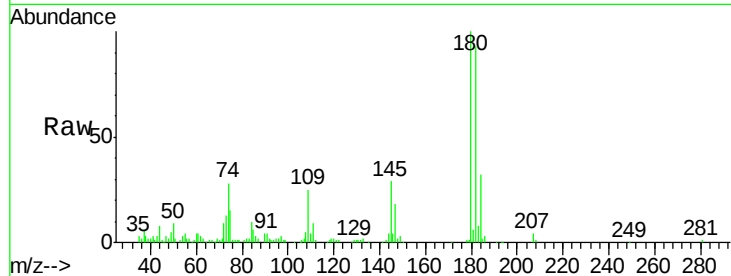




#93
 1,2,4-Trichlorobenzene
 Concen: 5.013 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

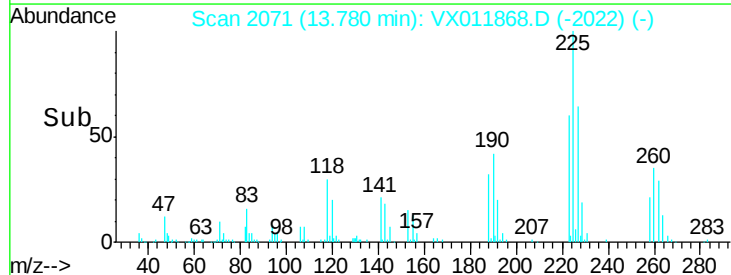
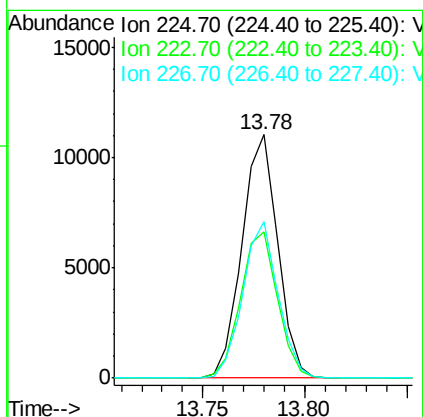
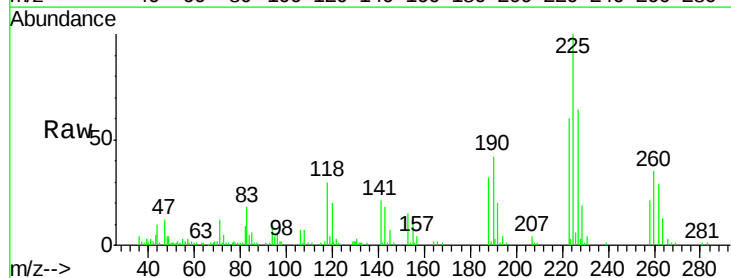
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

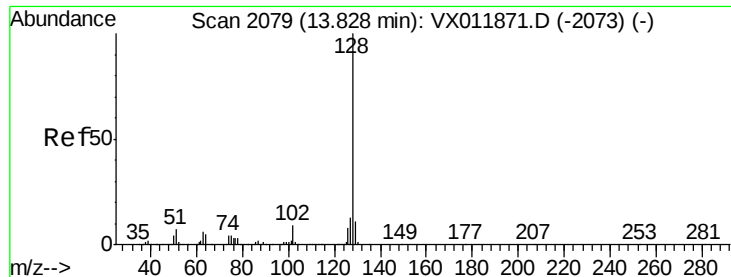
Tot Ion:180 Resp: 17583
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.9 143.7
 145 28.2 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 5.277 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011868.D
 Acq: 28 Aug 2019 10:41

Tgt Ion:225 Resp: 13496
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.8
 227 63.6 32.5 97.5





#95

Naphthalene

Concen: 4.802 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

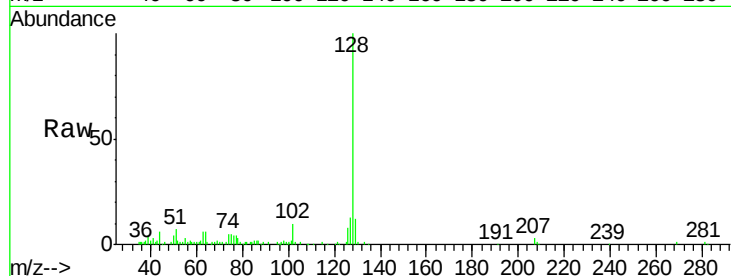
Tot Ion:128 Resp: 20253

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

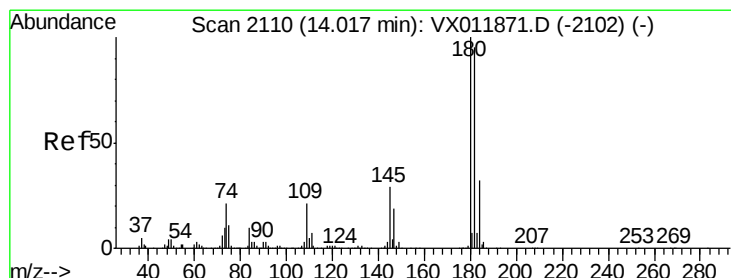
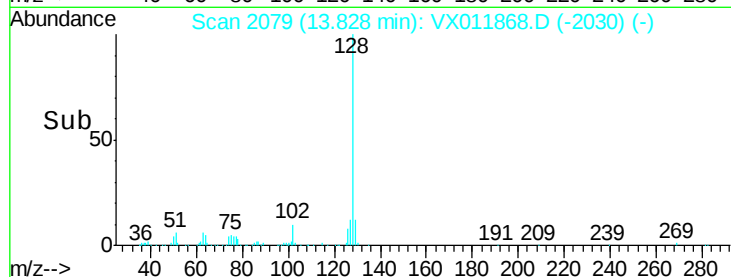
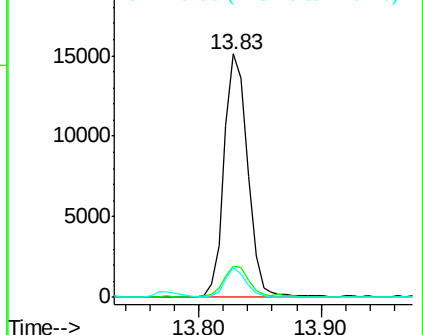
129 11.0 9.0 13.4



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



#96

1,2,3-Trichlorobenzene

Concen: 4.876 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011868.D

Acq: 28 Aug 2019 10:41

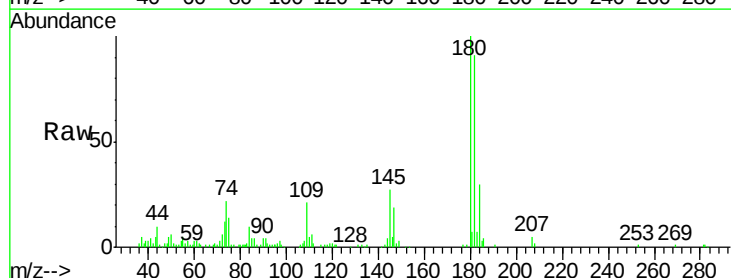
Tgt Ion:180 Resp: 13875

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.7

145 32.0 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

