

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 07 06:58:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	15057	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
35) Dibromofluoromethane	7.88	113	12004	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
50) Toluene-d8	10.32	98	49209	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	19716	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	15978	5.509	ug/l	96
3) Chloromethane	2.21	50	18594	5.089	ug/l	100
4) Vinyl Chloride	2.36	62	18378	5.020	ug/l	90
5) Bromomethane	2.76	94	16707	5.197	ug/l	94
6) Chloroethane	2.92	64	13407	5.165	ug/l	94
7) Trichlorofluoromethane	3.26	101	23966	5.082	ug/l	94
8) Diethyl Ether	3.68	74	7655	5.200	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15736	5.377	ug/l	96
10) Methyl Iodide	4.28	142	8286	2.999	ug/l	98
11) Tert butyl alcohol	5.19	59	6612	30.859	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	13066	5.124	ug/l	97
13) Acrolein	3.90	56	6442	26.820	ug/l	92
14) Allyl chloride	4.67	41	21147	4.797	ug/l	98
15) Acrylonitrile	5.37	53	15934	25.282	ug/l	93
16) Acetone	4.13	43	15173	25.233	ug/l	98
17) Carbon Disulfide	4.38	76	41931	4.907	ug/l #	95
18) Methyl Acetate	4.67	43	6529	4.760	ug/l #	86
19) Methyl tert-butyl Ether	5.43	73	31385	4.754	ug/l	95
20) Methylene Chloride	4.92	84	23968	6.808	ug/l	89
21) trans-1,2-Dichloroethene	5.43	96	15110	5.180	ug/l	81
22) Diisopropyl ether	6.32	45	40925	4.649	ug/l #	97
23) Vinyl Acetate	6.26	43	122175	22.283	ug/l	99
24) 1,1-Dichloroethane	6.21	63	25038	4.891	ug/l	91
25) 2-Butanone	7.18	43	21265	24.846	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	24396	5.210	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	14146	4.607	ug/l	90
28) Bromochloromethane	7.51	49	11142	5.014	ug/l	94
29) Tetrahydrofuran	7.54	42	12370	23.005	ug/l	98
30) Chloroform	7.68	83	24609	4.696	ug/l	96
31) Cyclohexane	7.95	56	31357	5.957	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	23778	4.940	ug/l	96
36) 1,1-Dichloropropene	8.09	75	21282	5.067	ug/l	99
37) Ethyl Acetate	7.26	43	8773	4.722	ug/l #	94
38) Carbon Tetrachloride	8.07	117	21843	5.025	ug/l	92

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Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 07 06:58:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24262	4.782	ug/l	92
40) Benzene	8.32	78	56865	5.019	ug/l	95
41) Methacrylonitrile	7.49	41	5405	4.905	ug/l	92
42) 1,2-Dichloroethane	8.40	62	17754	4.883	ug/l	98
43) Isopropyl Acetate	8.43	43	16798	4.600	ug/l	98
44) Trichloroethene	9.09	130	16079	5.090	ug/l	94
45) 1,2-Dichloropropane	9.37	63	13712	4.882	ug/l	100
46) Dibromomethane	9.46	93	7367	4.755	ug/l	92
47) Bromodichloromethane	9.65	83	18851	4.853	ug/l	91
48) Methyl methacrylate	9.43	41	7570	4.387	ug/l	97
49) 1,4-Dioxane	9.45	88	2209	104.291	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	41331	22.380	ug/l	100
52) Toluene	10.38	92	37299	4.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	17498	4.541	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	19657	4.469	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10449	4.965	ug/l #	85
56) Ethyl methacrylate	10.65	69	10839	4.164	ug/l	96
57) 1,3-Dichloropropane	10.93	76	17989	4.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31630	22.899	ug/l	100
59) 2-Hexanone	10.97	43	27774	21.393	ug/l	99
60) Dibromochloromethane	11.12	129	11436	4.474	ug/l	100
61) 1,2-Dibromoethane	11.23	107	9448	4.737	ug/l	99
64) Tetrachloroethene	10.86	164	14223	5.007	ug/l	98
65) Chlorobenzene	11.66	112	43393	5.081	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	13510	4.711	ug/l	95
67) Ethyl Benzene	11.73	91	73400	4.740	ug/l	99
68) m/p-Xylenes	11.84	106	56596	9.263	ug/l	99
69) o-Xylene	12.16	106	26555	4.656	ug/l	98
70) Styrene	12.18	104	39578	4.283	ug/l	98
71) Bromoform	12.35	173	6831	4.470	ug/l #	99
73) Isopropylbenzene	12.47	105	70523	4.453	ug/l	99
74) N-amyl acetate	12.28	43	15219	4.036	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11966	4.844	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	15683	6.271	ug/l #	100
77) Bromobenzene	12.74	156	16804	4.687	ug/l	97
78) n-propylbenzene	12.80	91	86333	4.440	ug/l	97
79) 2-Chlorotoluene	12.90	91	50625	4.611	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	59705	4.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3165	4.183	ug/l	95
82) 4-Chlorotoluene	12.99	91	53218	4.557	ug/l	97
83) tert-Butylbenzene	13.21	119	53084	4.533	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	60878	4.375	ug/l	97
85) sec-Butylbenzene	13.38	105	78433	4.591	ug/l	98
86) p-Isopropyltoluene	13.50	119	67174	4.368	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	36962	4.815	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37989	4.990	ug/l	95
89) n-Butylbenzene	13.83	91	64946	4.461	ug/l	98
90) Hexachloroethane	14.10	117	12274	4.659	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33075	4.925	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2185	4.839	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (Not Reviewed)

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 07 06:58:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

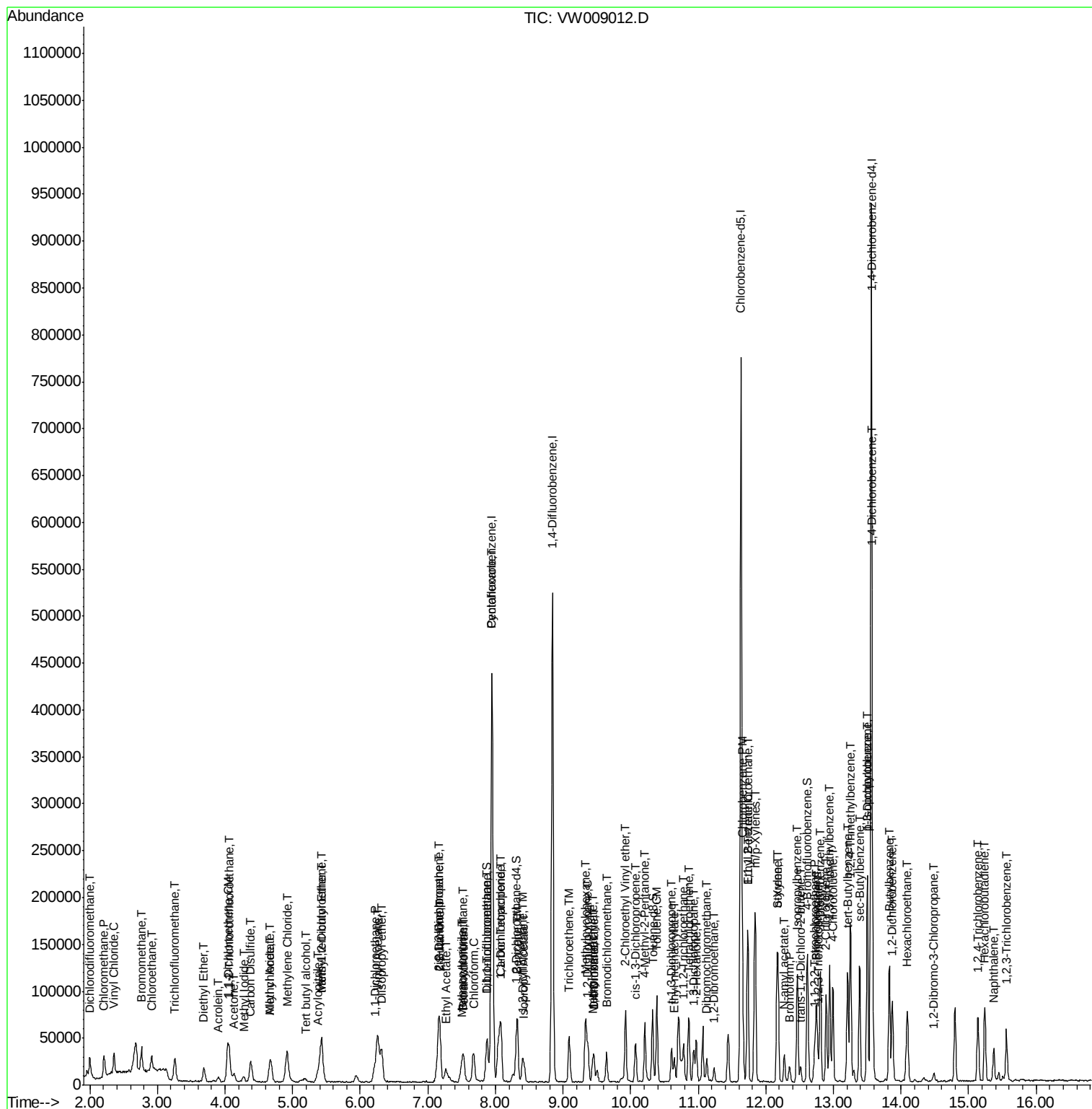
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20845	4.533	ug/l	99
94) Hexachlorobutadiene	15.24	225	15070	5.156	ug/l	98
95) Naphthalene	15.37	128	29305	3.930	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	18456	4.635	ug/l	94

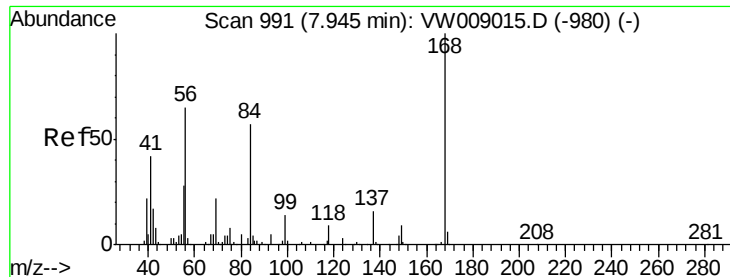
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Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 07 06:58:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

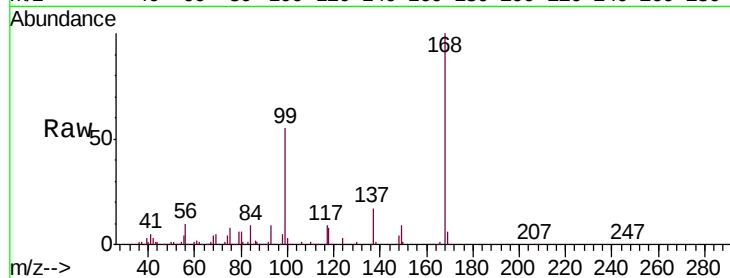
VSTDIC005

Tgt Ion:168 Resp: 291978

Ion Ratio Lower Upper

168 100

99 54.5 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

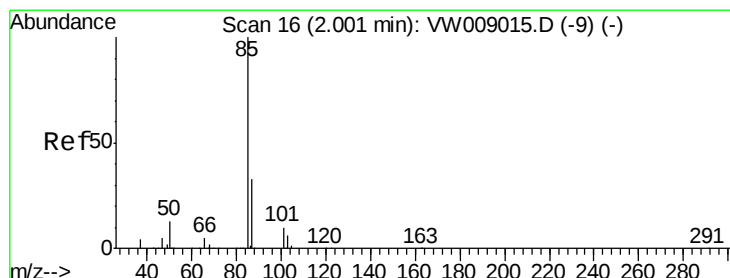
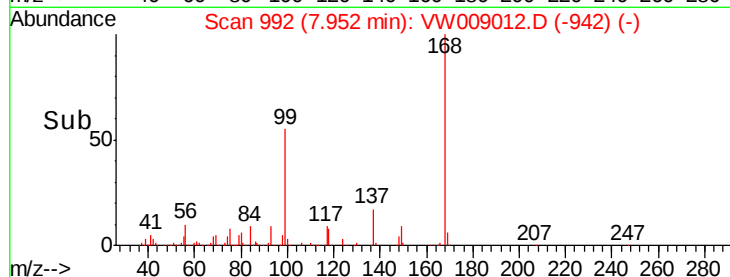
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.509 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW009012.D

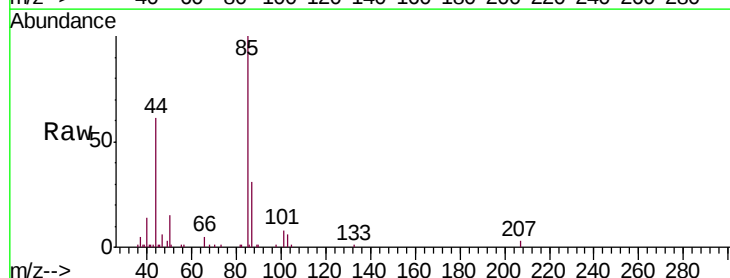
Acq: 06 Mar 2019 10:52

Tgt Ion: 85 Resp: 15978

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

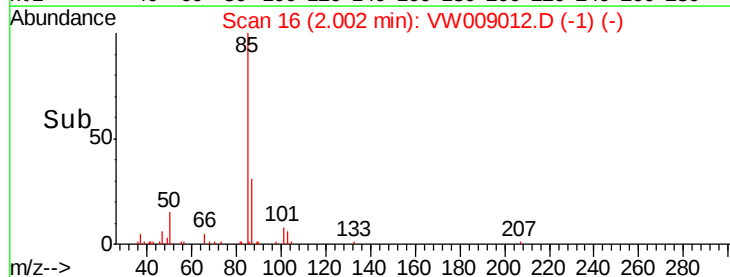
4000

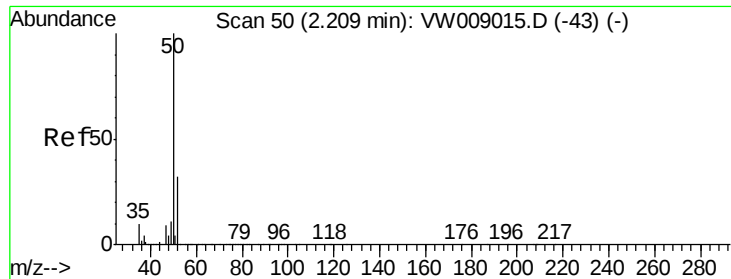
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.089 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

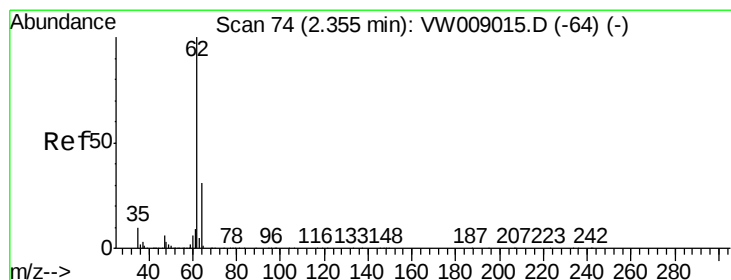
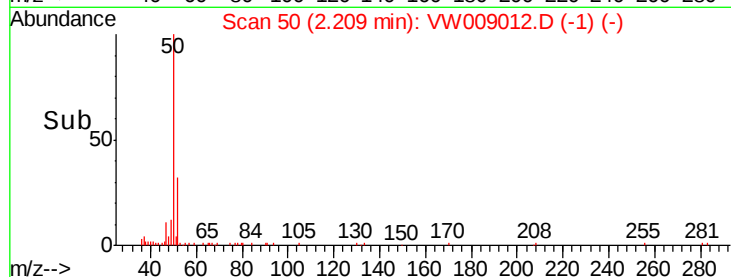
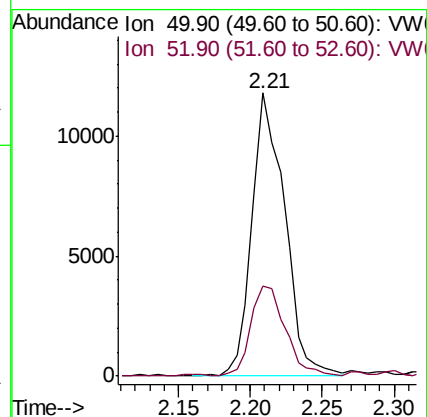
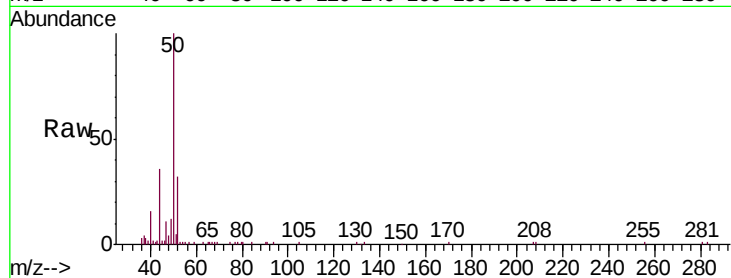
VSTDIC005

Tgt Ion: 50 Resp: 18594

Ion Ratio Lower Upper

50 100

52 31.7 25.3 37.9



#4

Vinyl Chloride

Concen: 5.020 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009012.D

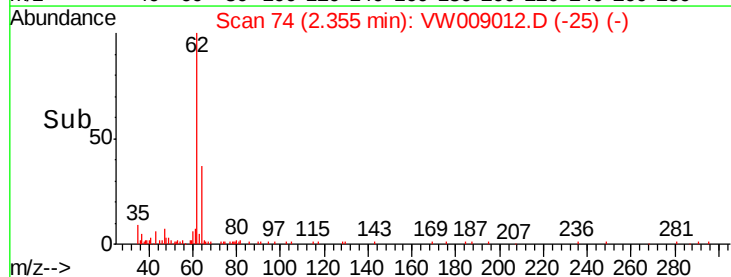
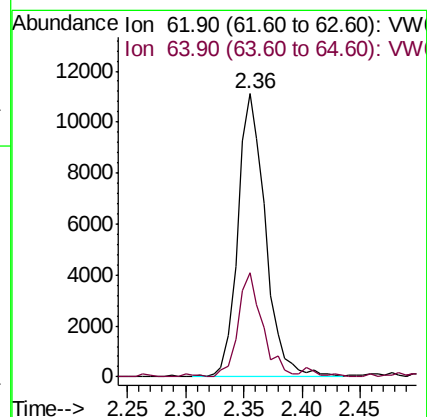
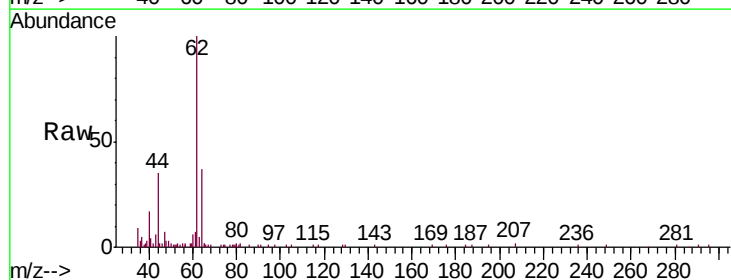
Acq: 06 Mar 2019 10:52

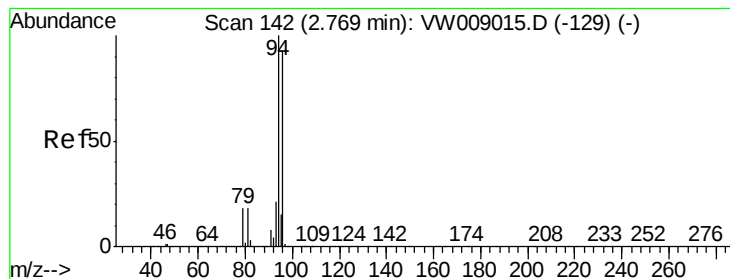
Tgt Ion: 62 Resp: 18378

Ion Ratio Lower Upper

62 100

64 36.3 24.6 36.8





#5

Bromomethane

Concen: 5.197 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

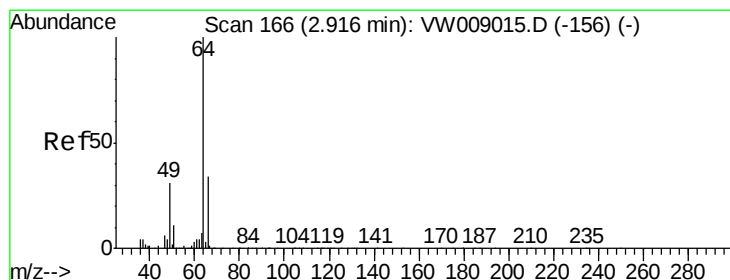
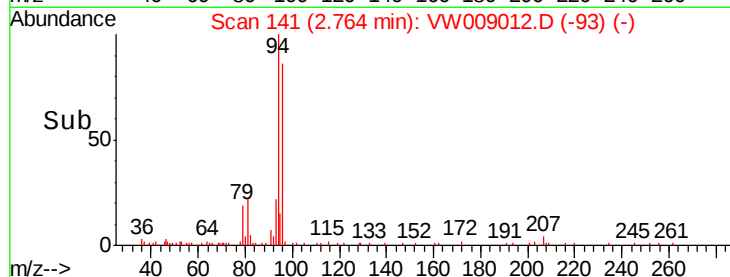
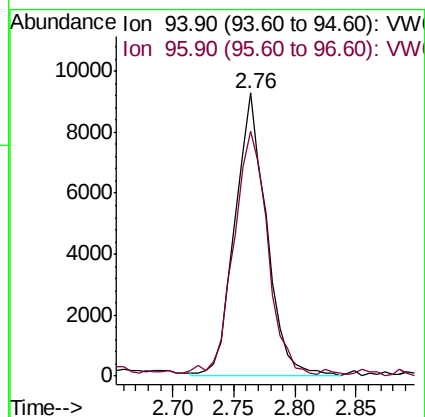
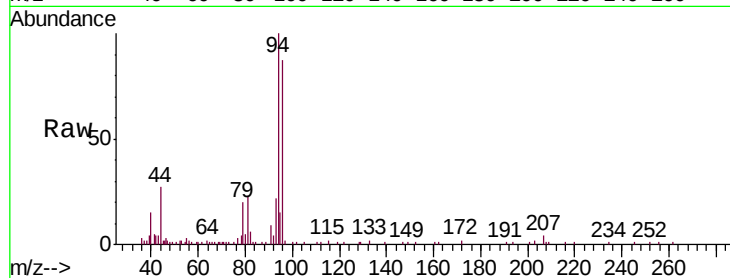
VSTDIC005

Tgt Ion: 94 Resp: 16707

Ion Ratio Lower Upper

94 100

96 85.7 73.4 110.0



#6

Chloroethane

Concen: 5.165 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009012.D

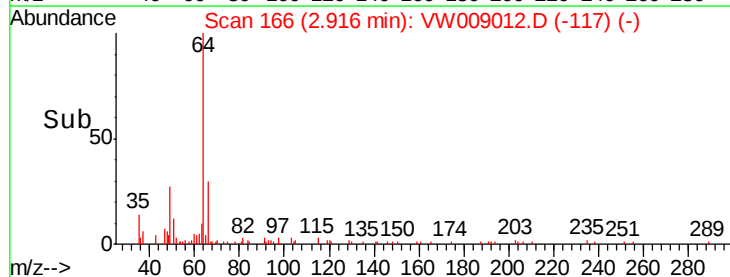
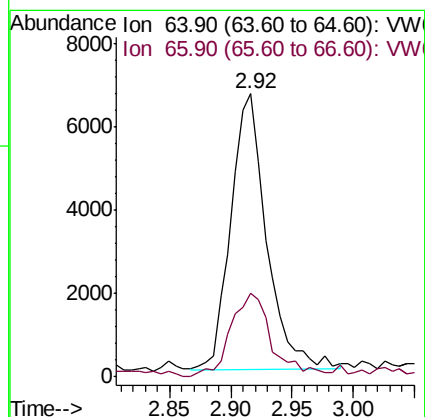
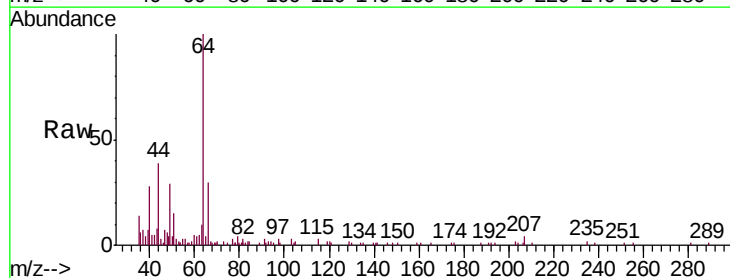
Acq: 06 Mar 2019 10:52

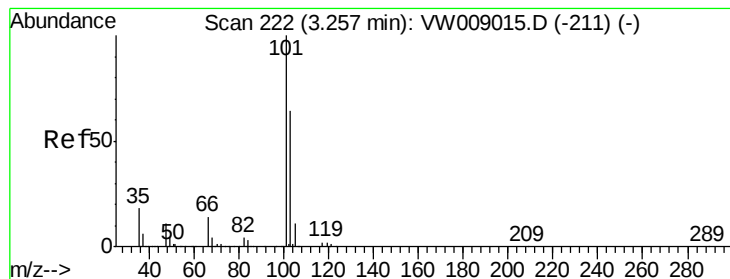
Tgt Ion: 64 Resp: 13407

Ion Ratio Lower Upper

64 100

66 30.6 27.2 40.8



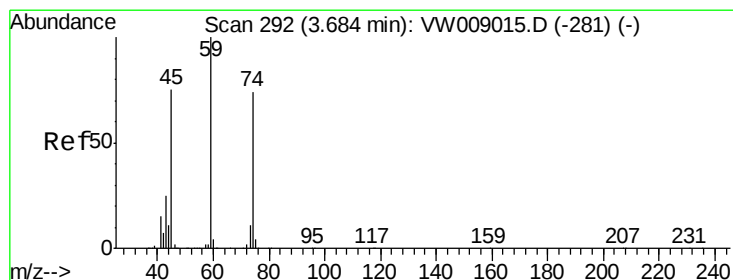
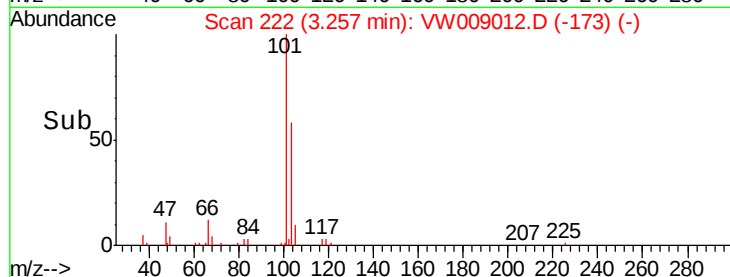
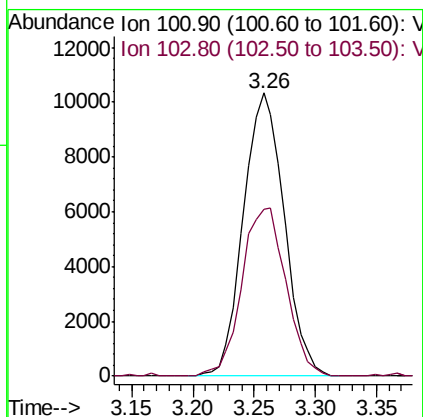
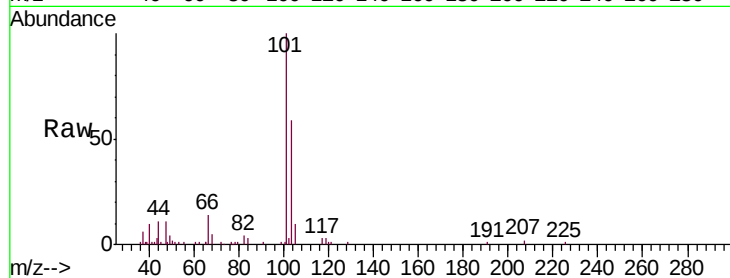


#7

Trichlorofluoromethane
 Concen: 5.082 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

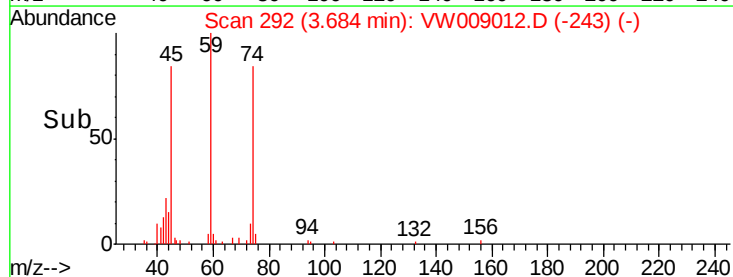
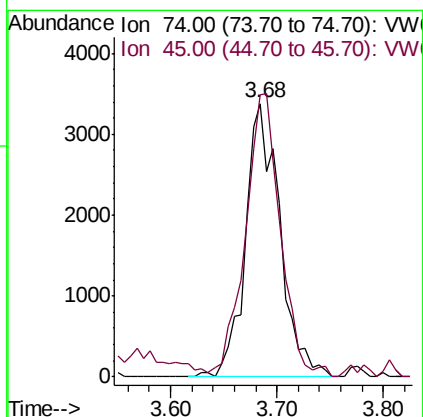
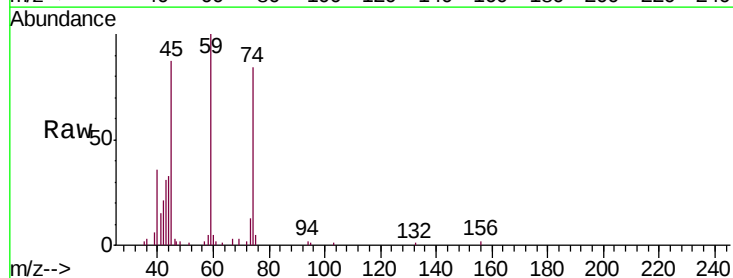
Tgt Ion:101 Resp: 23966
 Ion Ratio Lower Upper
 101 100
 103 59.2 51.1 76.7

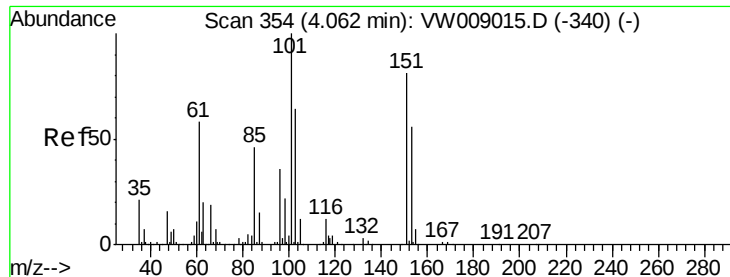


#8

Diethyl Ether
 Concen: 5.200 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 74 Resp: 7655
 Ion Ratio Lower Upper
 74 100
 45 106.2 48.8 146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.377 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

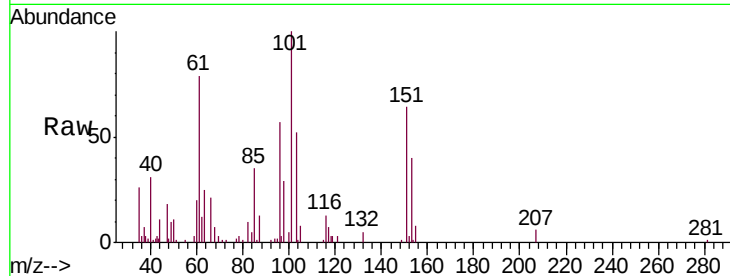
Tgt Ion:101 Resp: 15736

Ion Ratio Lower Upper

101 100

85 46.0 36.6 55.0

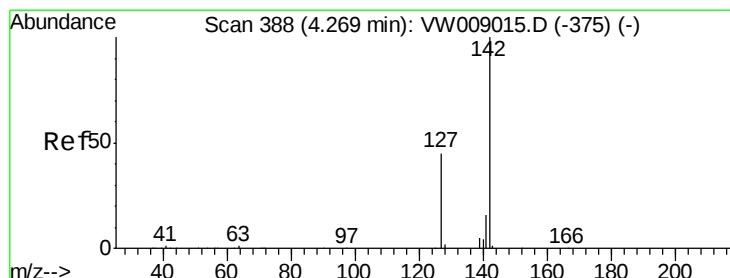
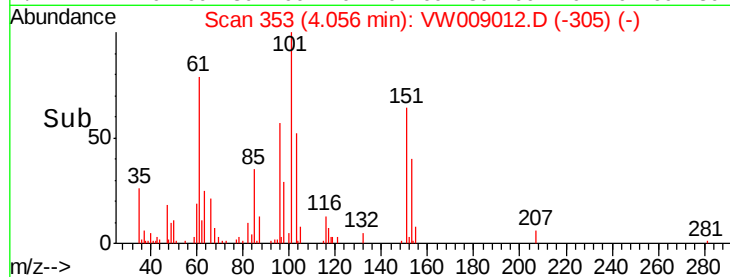
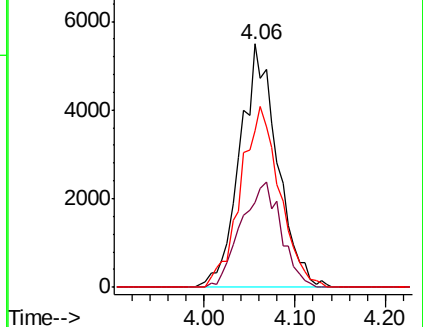
151 77.6 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.999 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

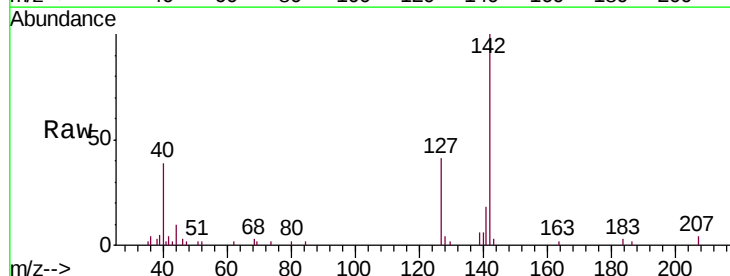
Tgt Ion:142 Resp: 8286

Ion Ratio Lower Upper

142 100

127 46.0 36.2 54.2

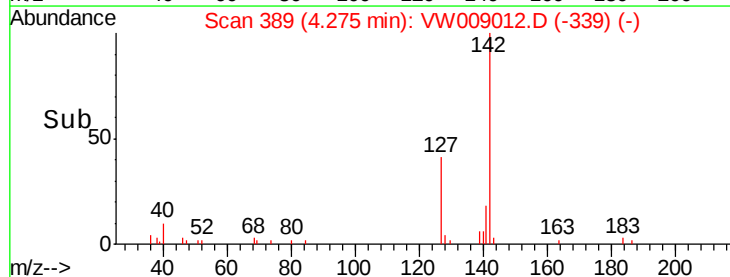
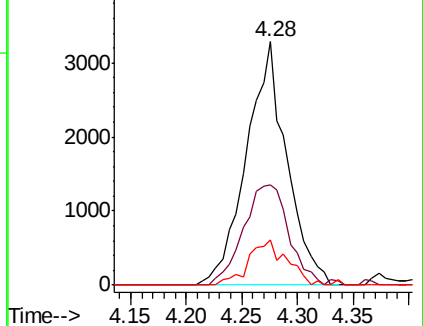
141 17.3 12.3 18.5

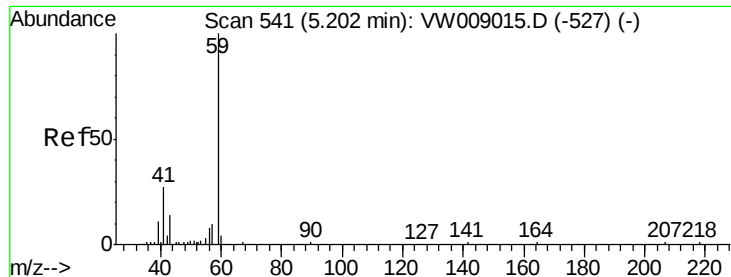


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



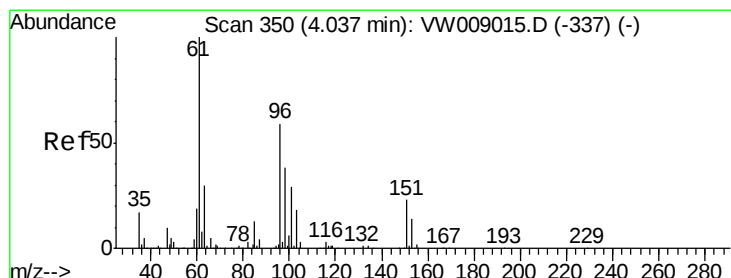
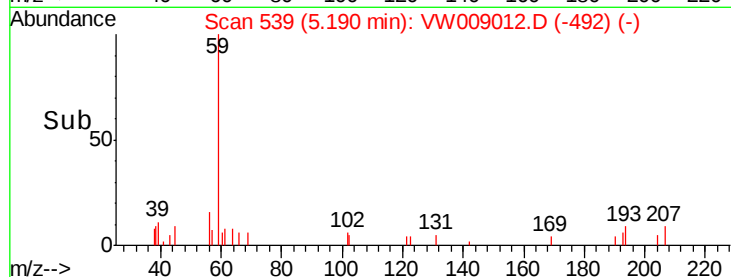
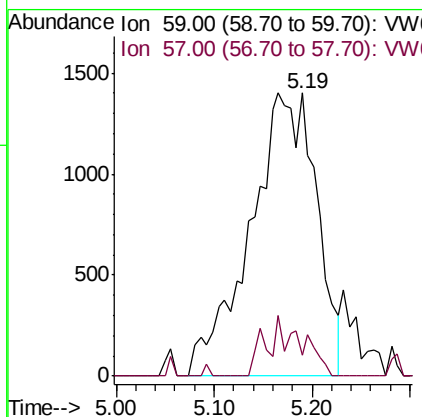
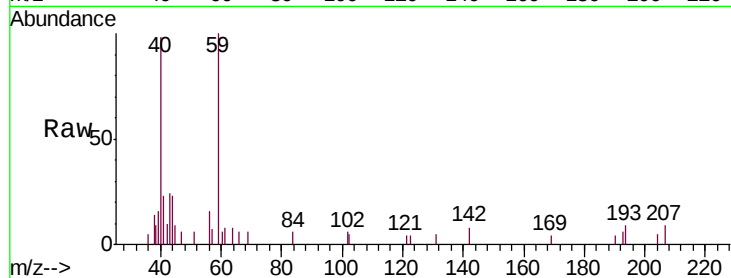


#11

Tert butyl alcohol
Concen: 30.859 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

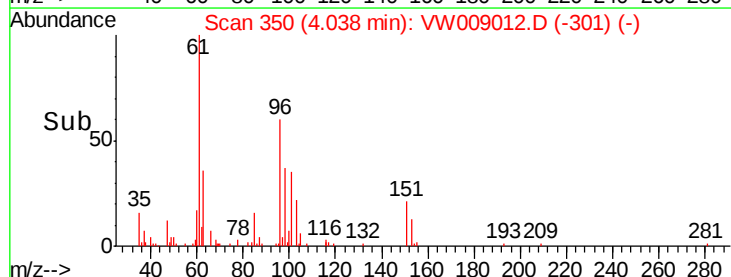
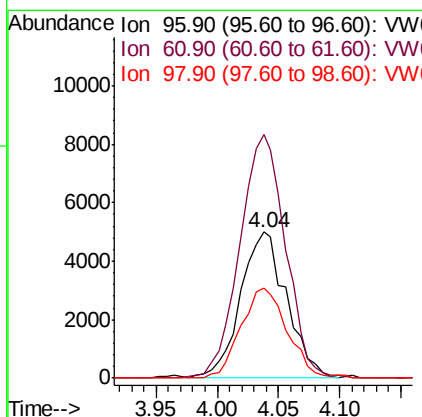
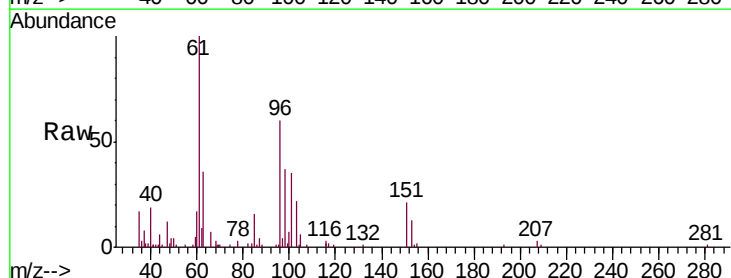
Tgt Ion: 59 Resp: 6612
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

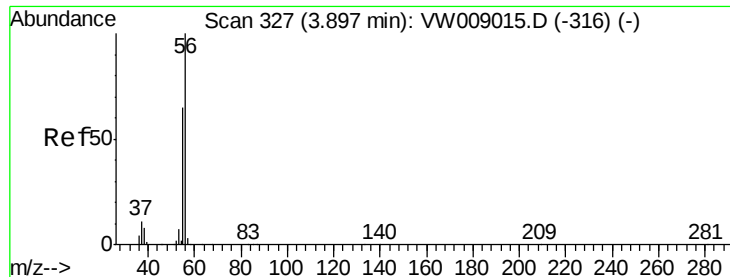


#12

1,1-Dichloroethene
Concen: 5.124 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 96 Resp: 13066
Ion Ratio Lower Upper
96 100
61 165.4 135.8 203.6
98 61.9 51.6 77.4





#13

Acrolein

Concen: 26.820 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

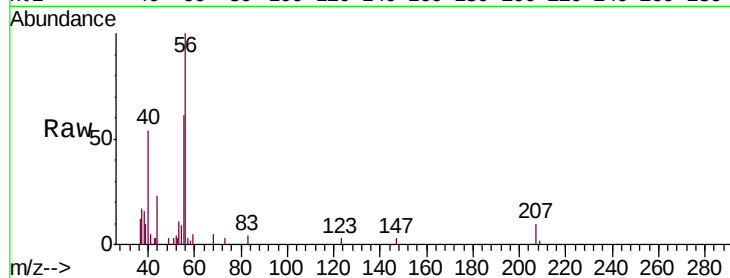
VSTDIC005

Tgt Ion: 56 Resp: 6442

Ion Ratio Lower Upper

56 100

55 64.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

2500

2000

1500

1000

500

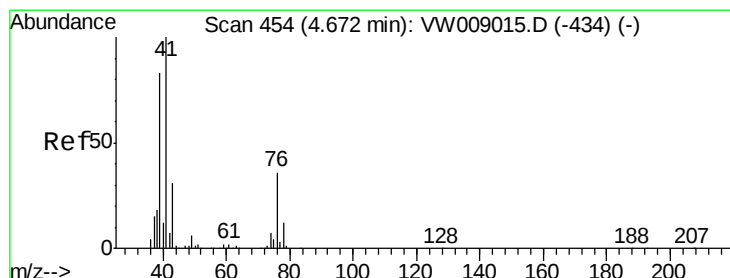
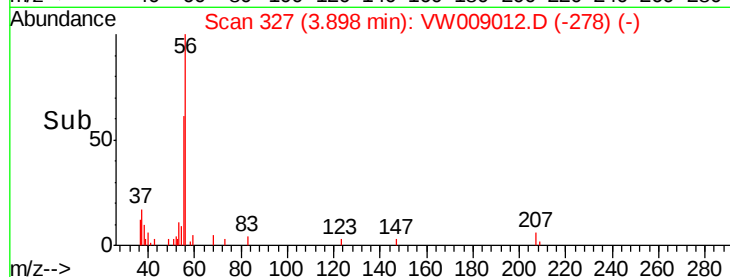
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 4.797 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

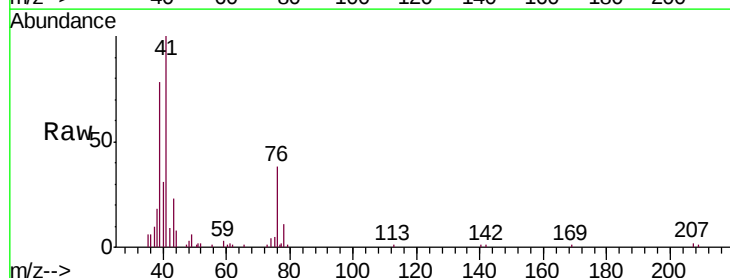
Tgt Ion: 41 Resp: 21147

Ion Ratio Lower Upper

41 100

39 82.1 63.6 95.4

76 35.6 27.9 41.9



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

10000

8000

6000

4000

2000

0

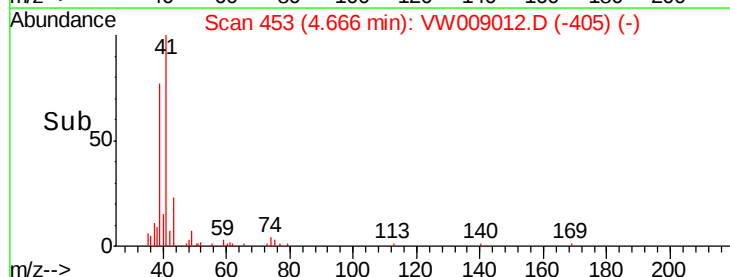
Time-->

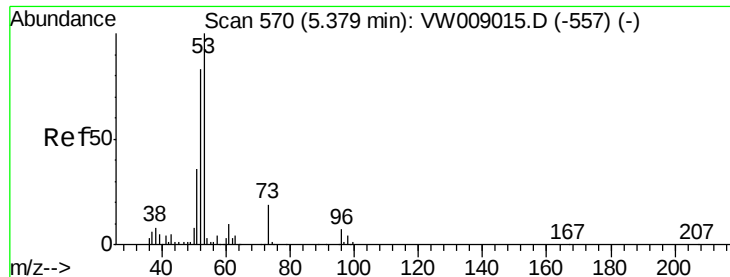
4.50

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 25.282 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

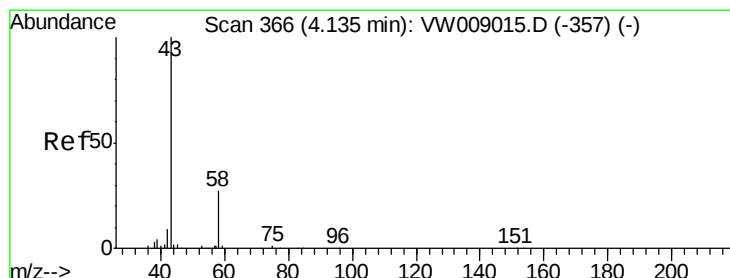
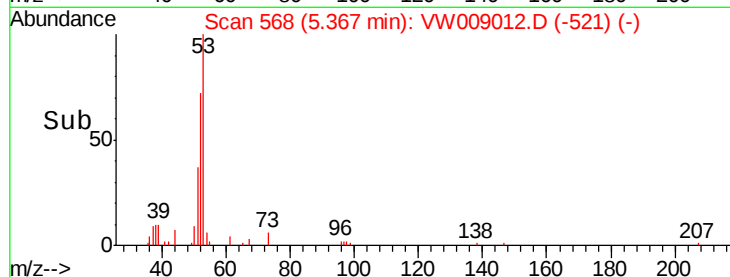
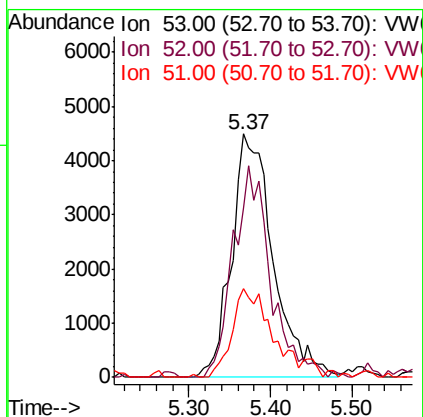
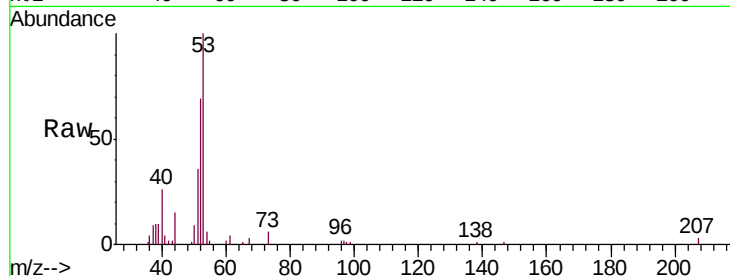
Tgt Ion: 53 Resp: 15934

Ion Ratio Lower Upper

53 100

52 77.7 66.6 100.0

51 33.5 30.6 45.8



#16

Acetone

Concen: 25.233 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW009012.D

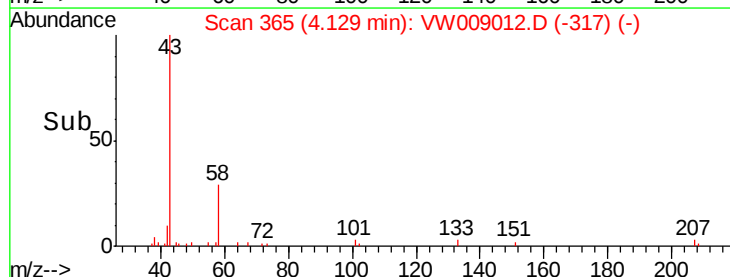
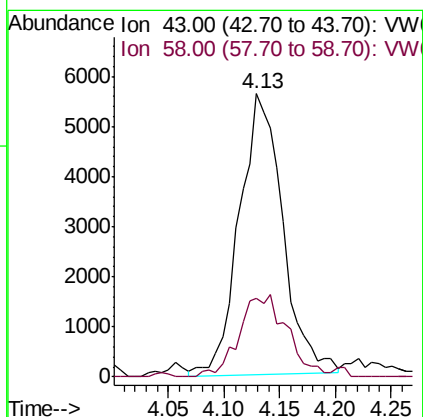
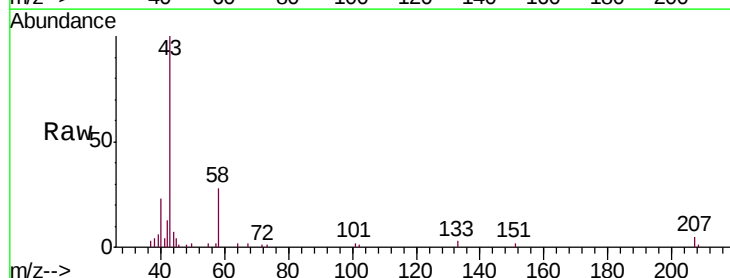
Acq: 06 Mar 2019 10:52

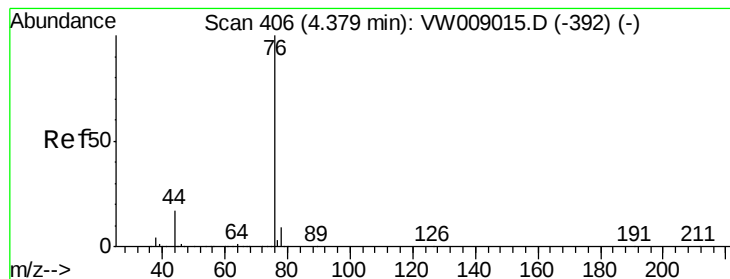
Tgt Ion: 43 Resp: 15173

Ion Ratio Lower Upper

43 100

58 28.3 21.6 32.4





#17

Carbon Disulfide

Concen: 4.907 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

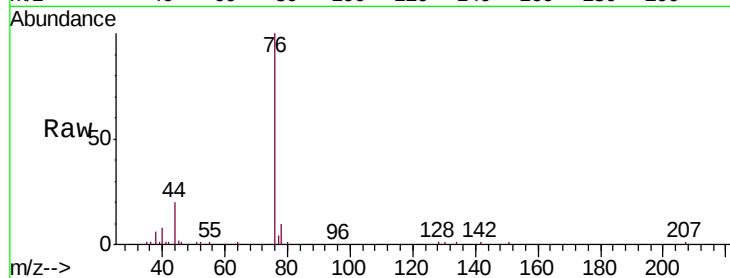
VSTDIC005

Tgt Ion: 76 Resp: 41931

Ion Ratio Lower Upper

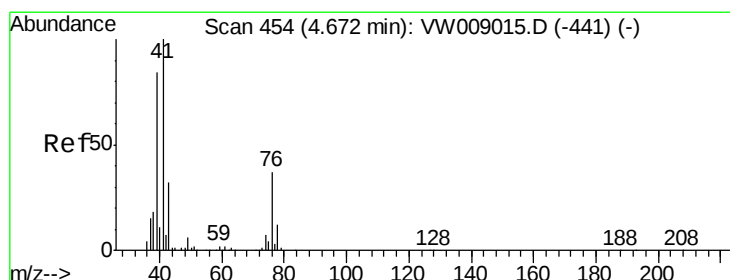
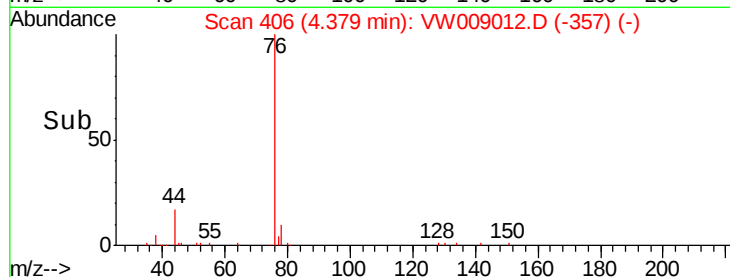
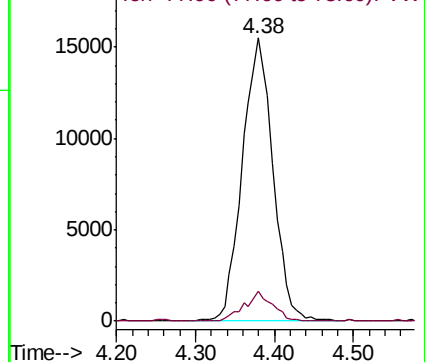
76 100

78 10.4 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 4.760 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009012.D

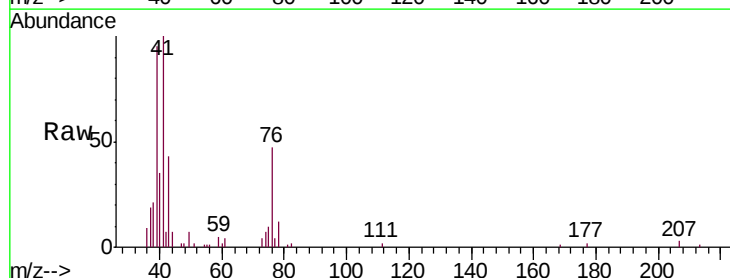
Acq: 06 Mar 2019 10:52

Tgt Ion: 43 Resp: 6529

Ion Ratio Lower Upper

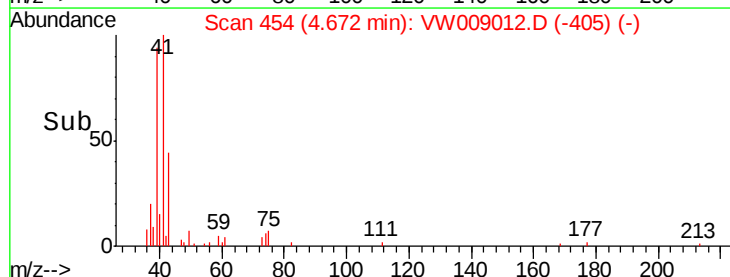
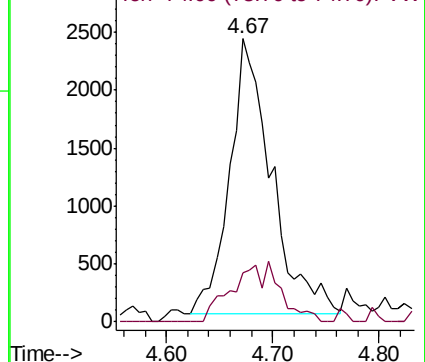
43 100

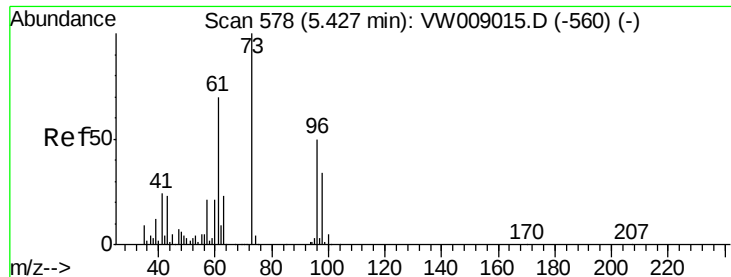
74 15.6 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

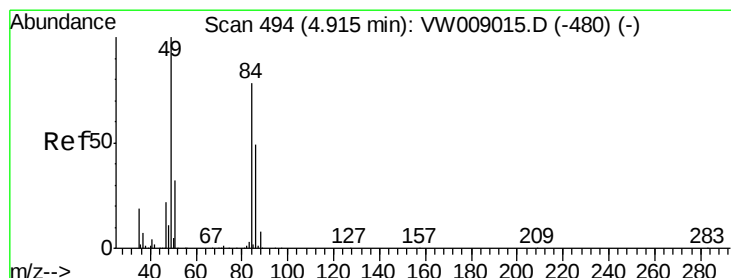
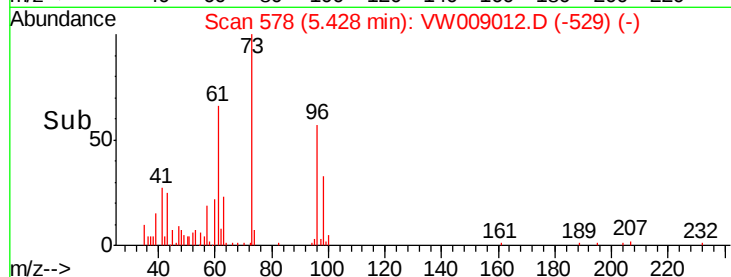
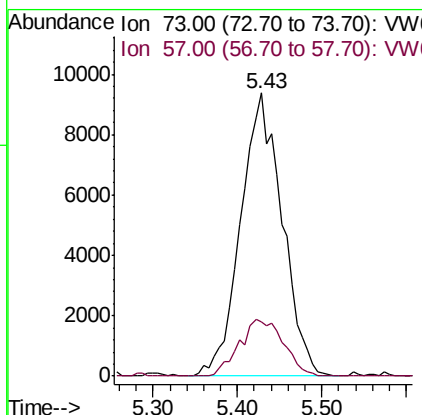
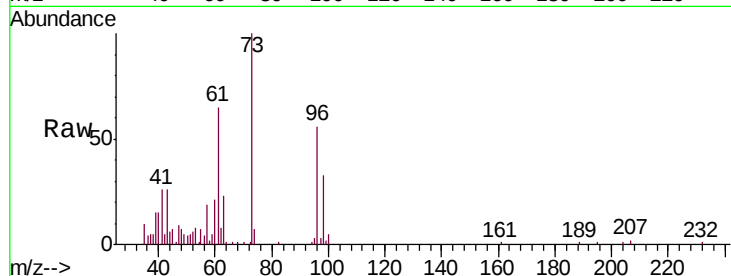




#19
Methyl tert-butyl Ether
Concen: 4.754 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

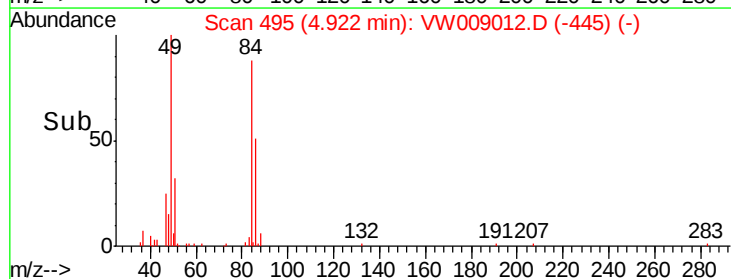
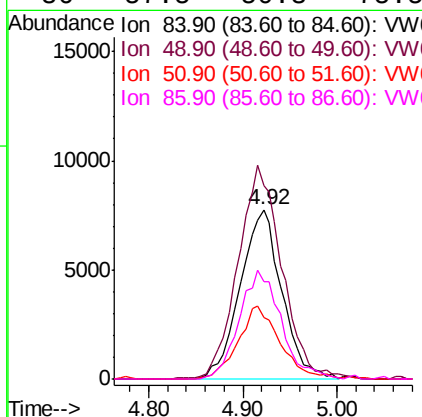
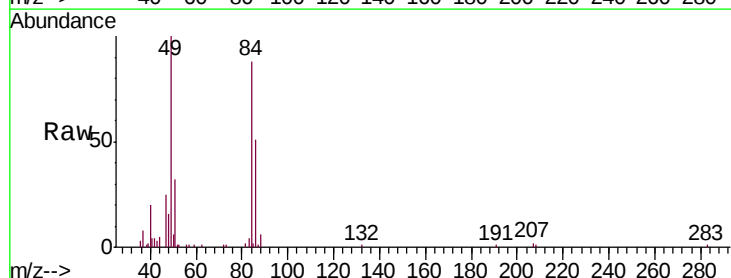
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

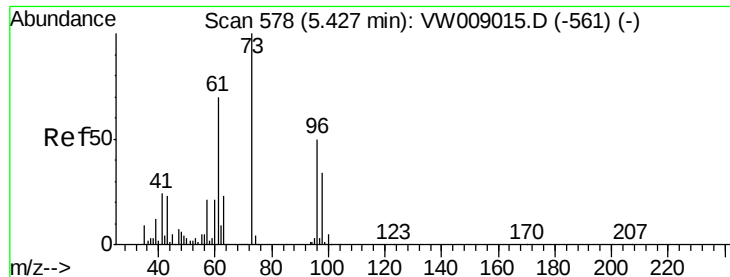
Tgt Ion: 73 Resp: 31385
Ion Ratio Lower Upper
73 100
57 19.1 17.0 25.6



#20
Methylene Chloride
Concen: 6.808 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 84 Resp: 23968
Ion Ratio Lower Upper
84 100
49 112.8 102.8 154.2
51 36.2 32.4 48.6
86 57.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 5.180 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

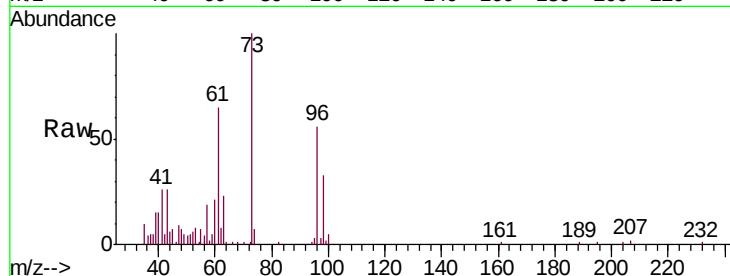
Tgt Ion: 96 Resp: 15110

Ion Ratio Lower Upper

96 100

61 115.8 113.2 169.8

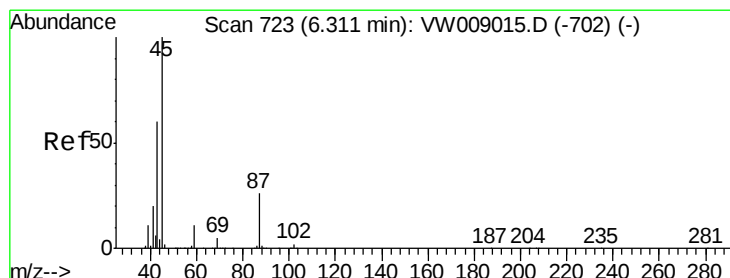
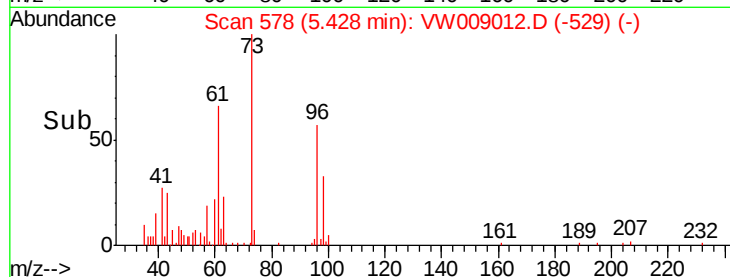
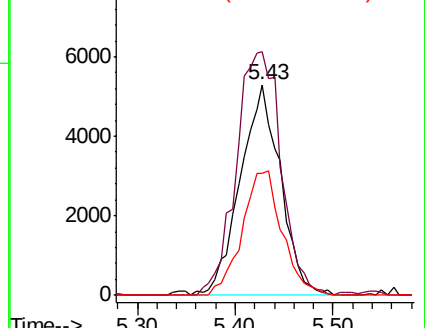
98 58.2 55.7 83.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 4.649 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion: 45 Resp: 40925

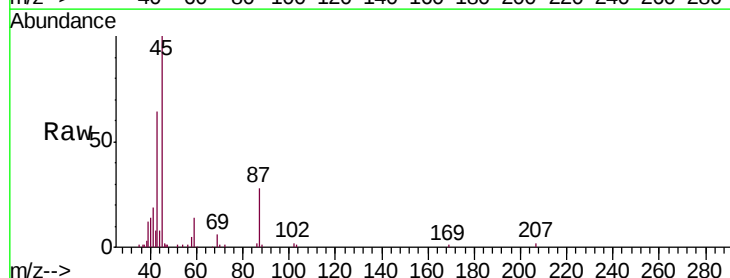
Ion Ratio Lower Upper

45 100

43 62.2 48.1 72.1

87 27.9 20.9 31.3

59 13.7 9.0 13.4#

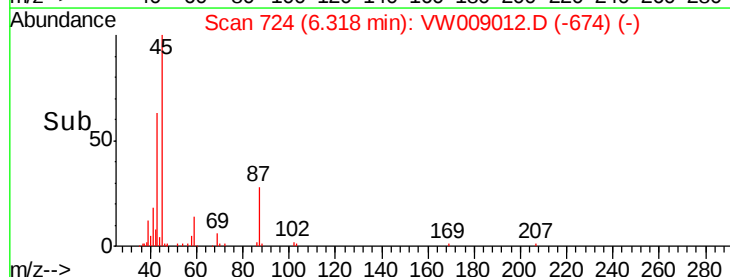
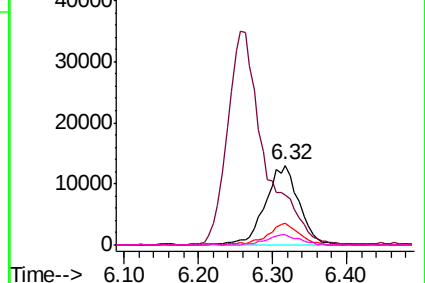


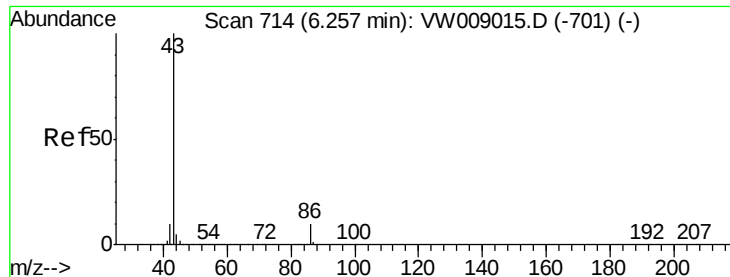
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

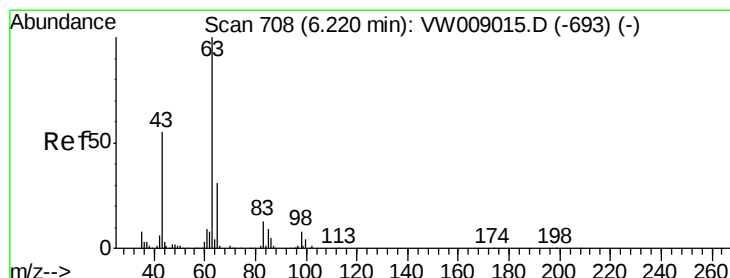
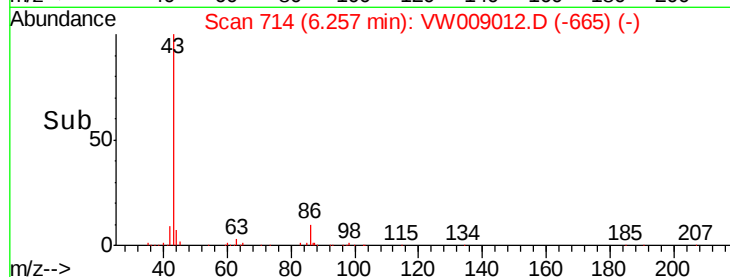
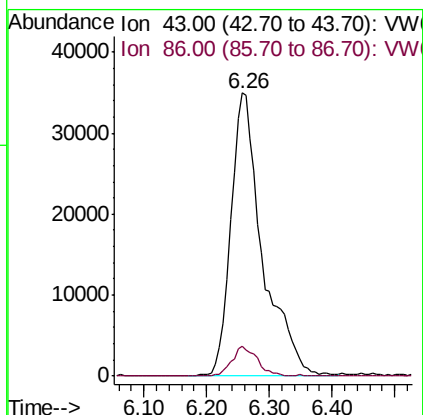
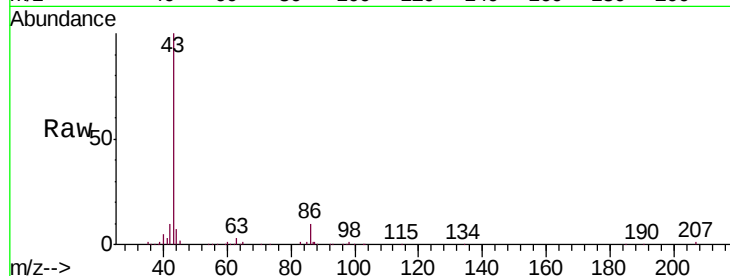




#23
 Vinyl Acetate
 Concen: 22.283 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

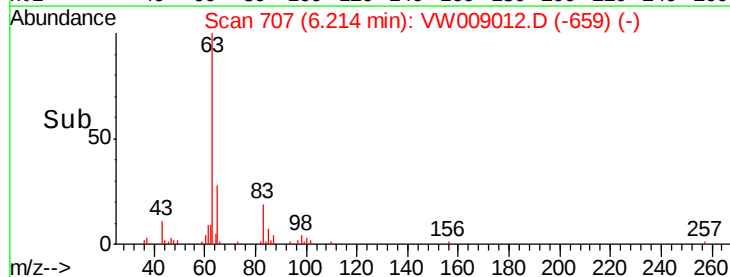
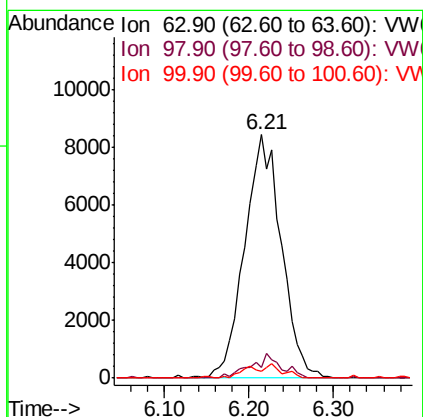
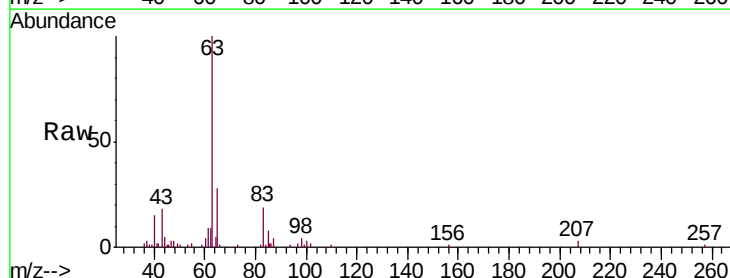
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

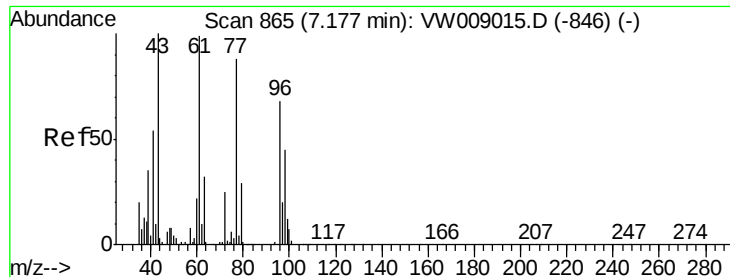
Tgt Ion: 43 Resp: 122175
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 4.891 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 63 Resp: 25038
 Ion Ratio Lower Upper
 63 100
 98 4.2 4.0 12.2
 100 2.6 2.0 5.8





#25

2-Butanone

Concen: 24.846 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

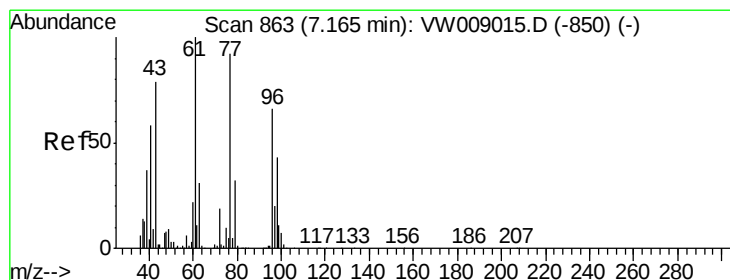
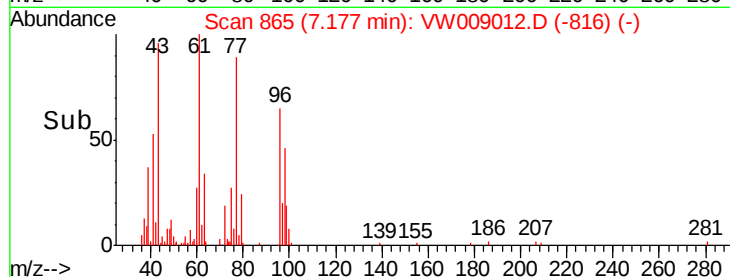
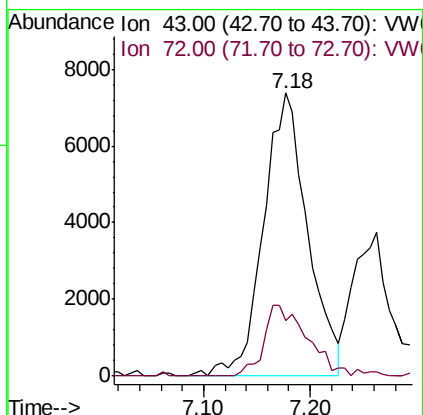
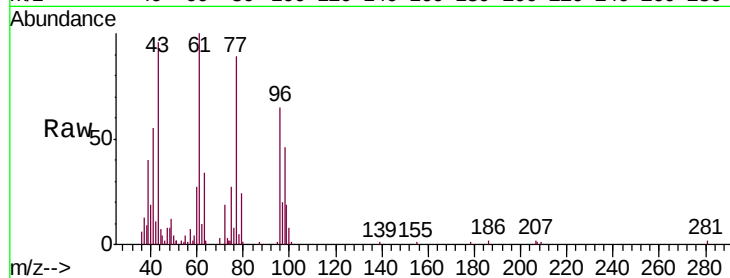
VSTDIC005

Tgt Ion: 43 Resp: 21265

Ion Ratio Lower Upper

43 100

72 19.5 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 5.210 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009012.D

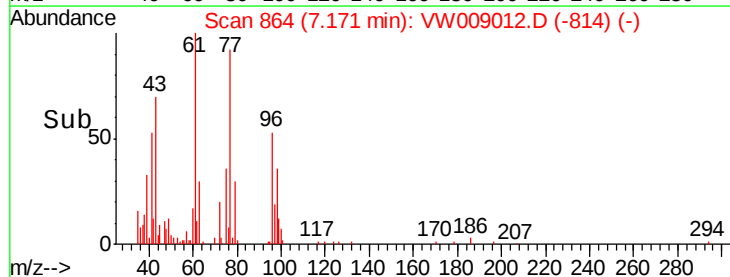
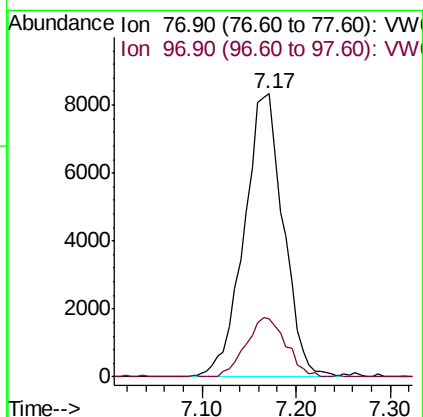
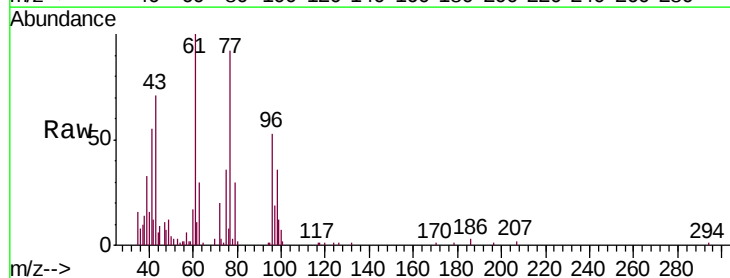
Acq: 06 Mar 2019 10:52

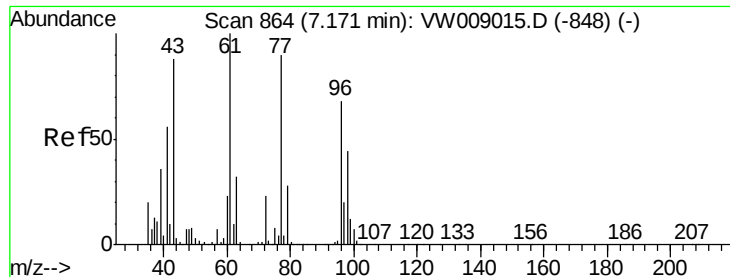
Tgt Ion: 77 Resp: 24396

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1



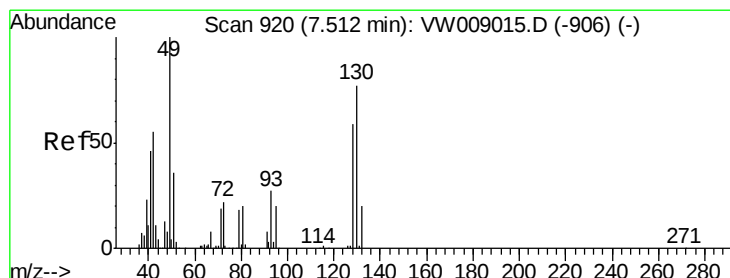
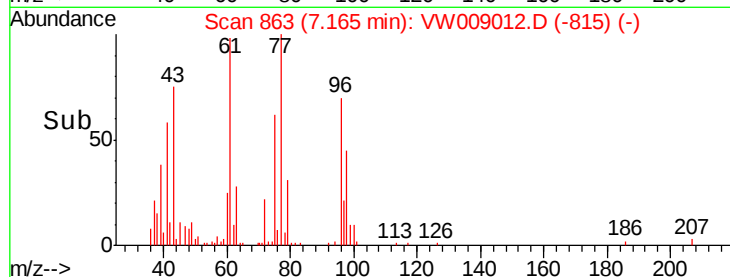
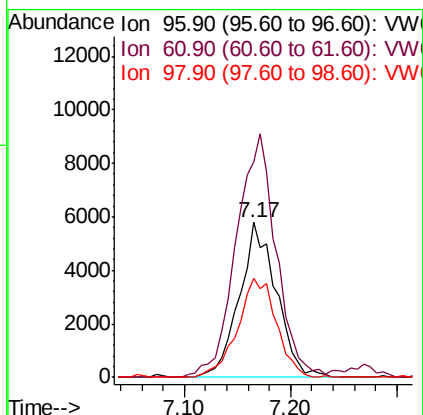
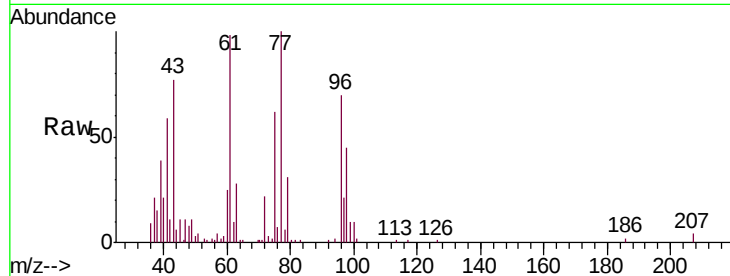


#27

cis-1,2-Dichloroethene
Concen: 4.607 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

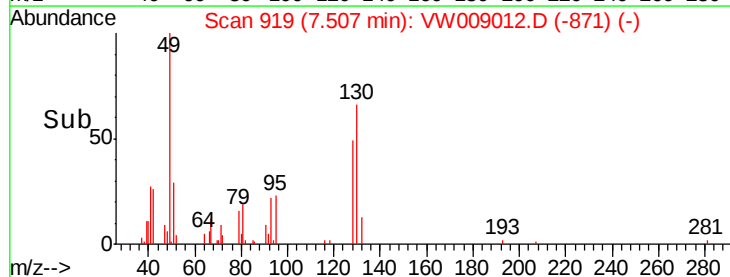
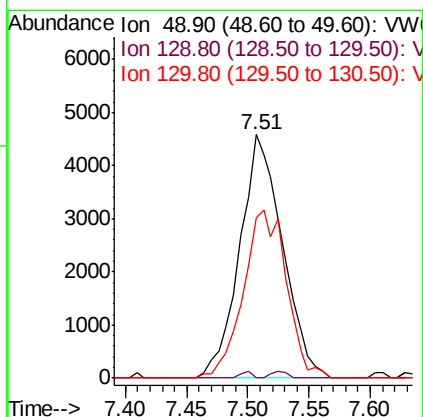
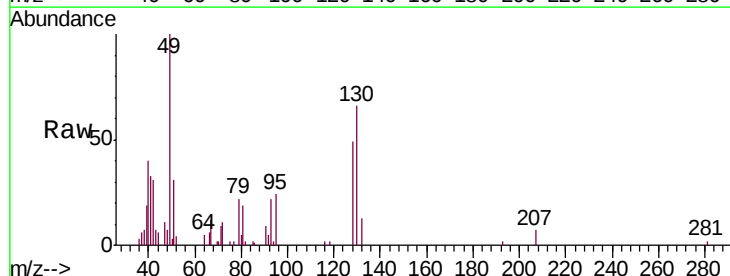
Tgt Ion: 96 Resp: 14146
Ion Ratio Lower Upper
96 100
61 169.1 0.0 303.6
98 66.8 0.0 129.0

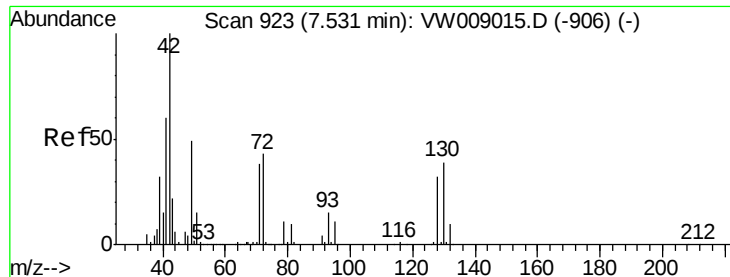


#28

Bromochloromethane
Concen: 5.014 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 49 Resp: 11142
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.2
130 69.5 59.9 89.9

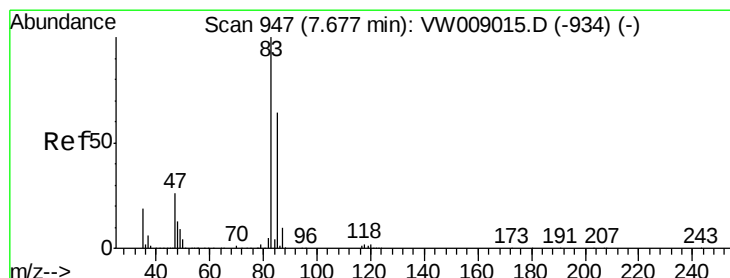
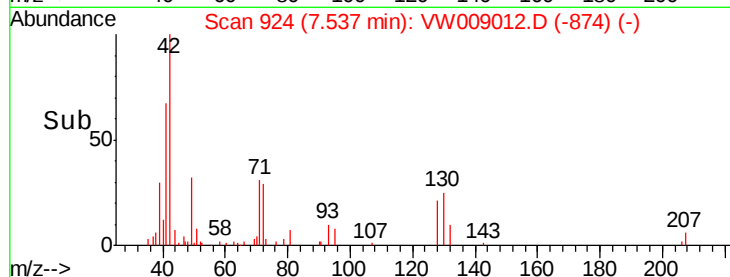
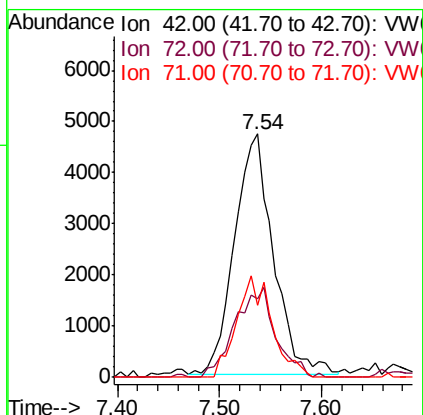
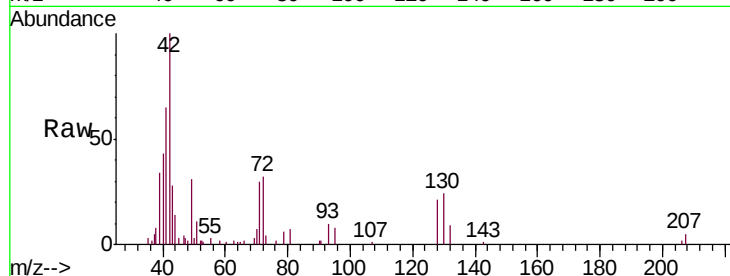




#29
Tetrahydrofuran
Concen: 23.005 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

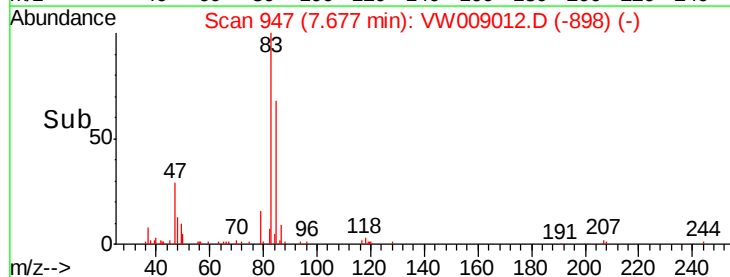
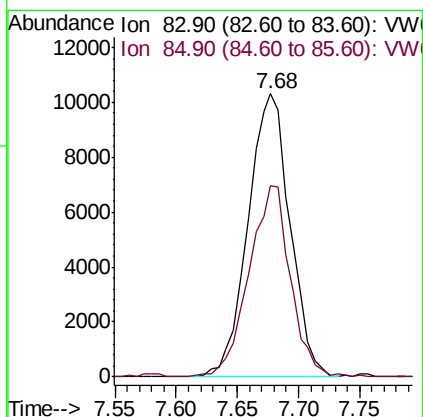
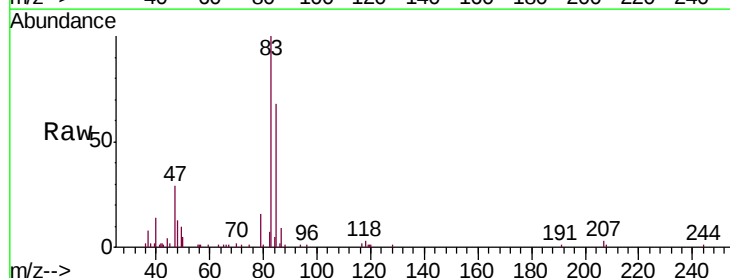
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

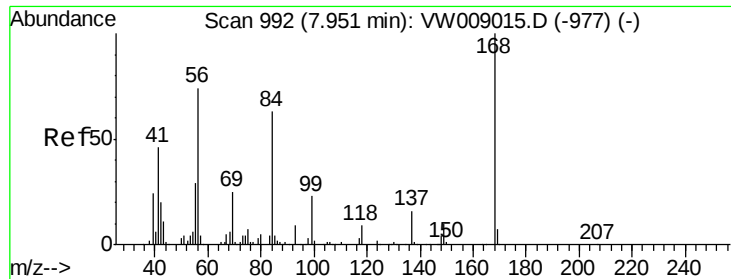
Tgt Ion: 42 Resp: 12370
Ion Ratio Lower Upper
42 100
72 39.3 32.5 48.7
71 38.7 31.6 47.4



#30
Chloroform
Concen: 4.696 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 83 Resp: 24609
Ion Ratio Lower Upper
83 100
85 67.5 51.4 77.0

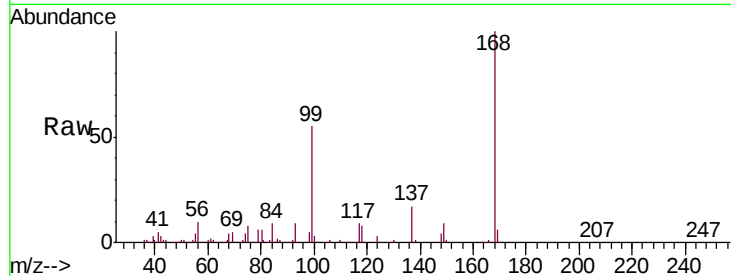




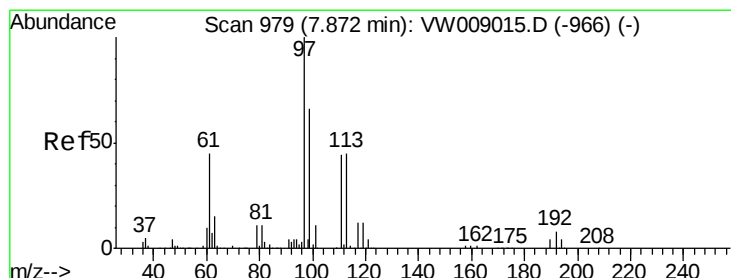
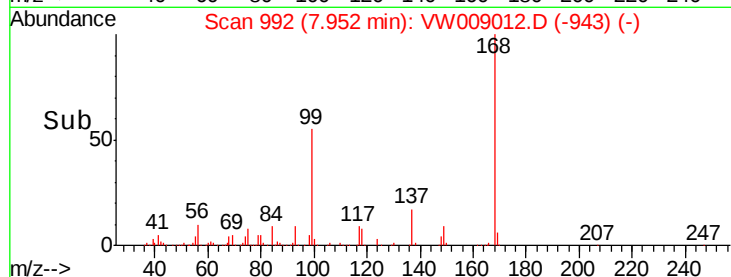
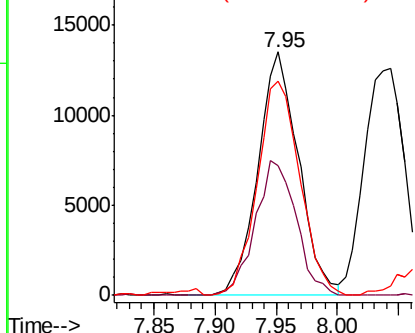
#31
Cyclohexane
Concen: 5.957 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 56 Resp: 31357
Ion Ratio Lower Upper
56 100
69 53.1 27.0 40.4#
84 86.5 68.3 102.5

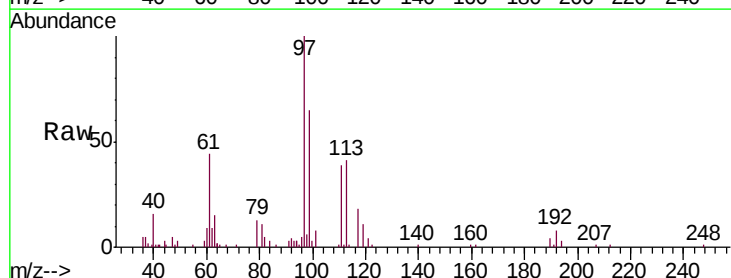


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

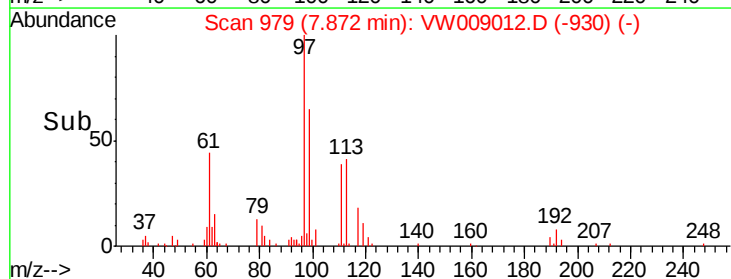
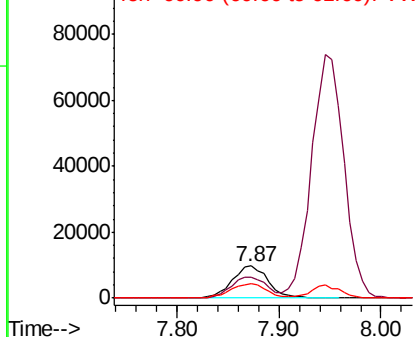


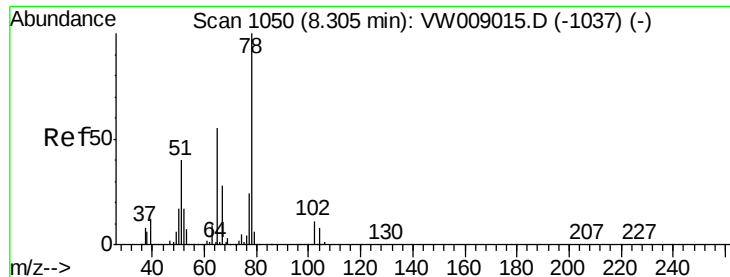
#32
1,1,1-Trichloroethane
Concen: 4.940 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 97 Resp: 23778
Ion Ratio Lower Upper
97 100
99 68.4 51.4 77.0
61 45.5 37.4 56.0



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





#33

1,2-Dichloroethane-d4

Concen: 5.140 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

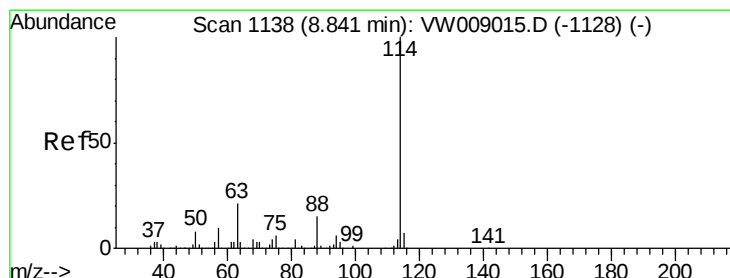
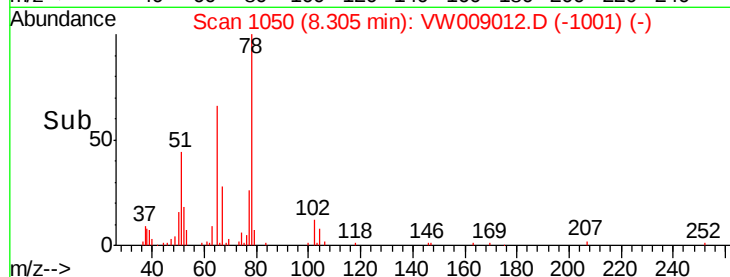
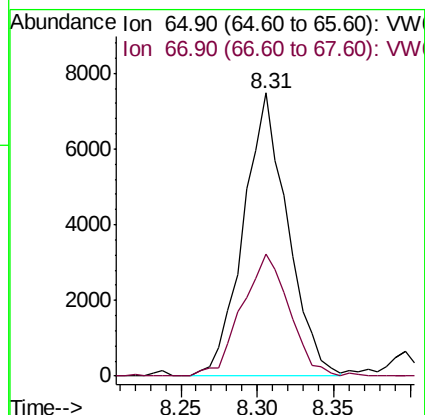
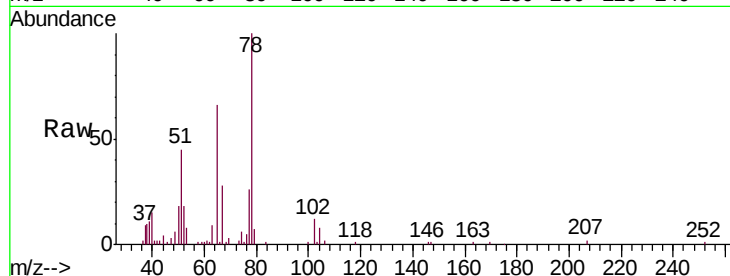
VSTDIC005

Tgt Ion: 65 Resp: 15057

Ion Ratio Lower Upper

65 100

67 46.1 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

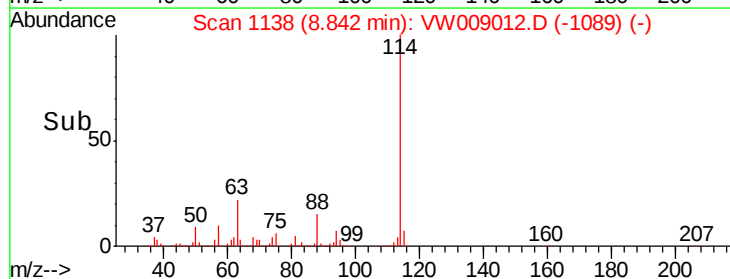
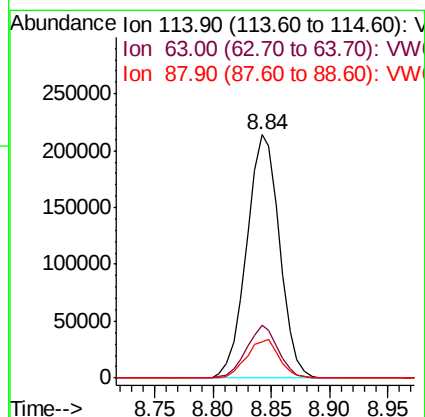
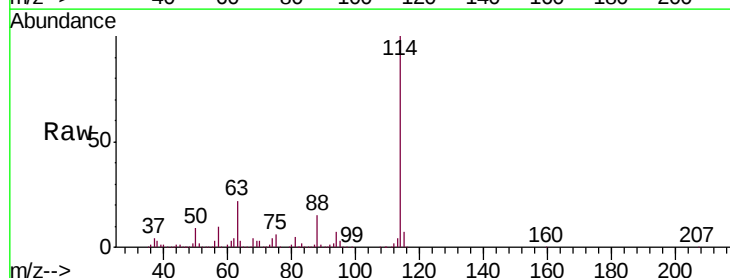
Tgt Ion: 114 Resp: 422411

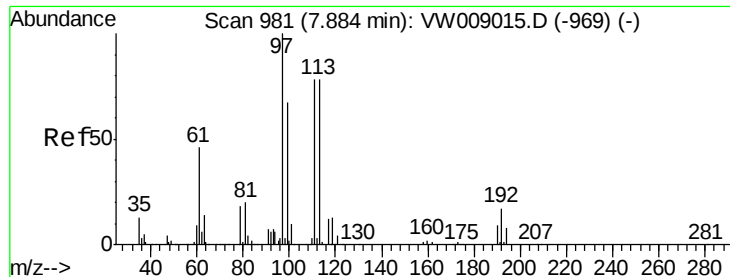
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 14.8 0.0 30.8

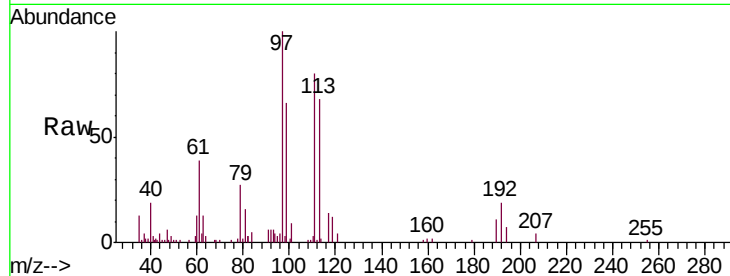




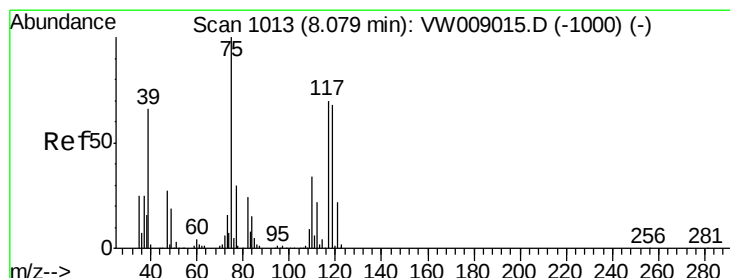
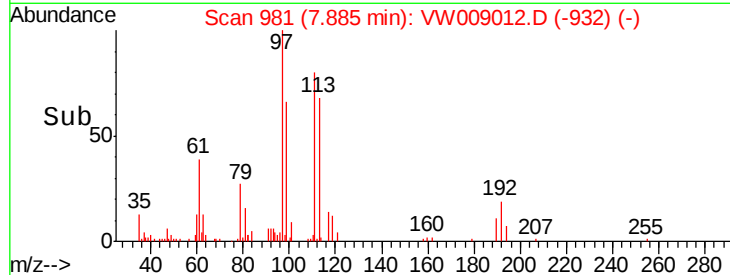
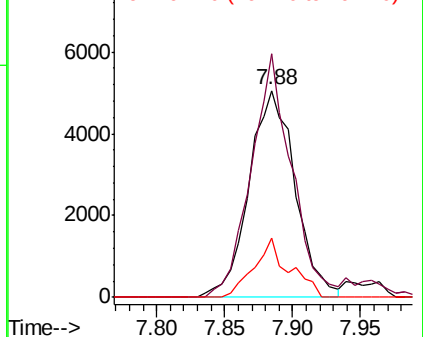
#35
 Dibromofluoromethane
 Concen: 4.721 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 12004
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.5 120.7
 192 21.8 16.7 25.1

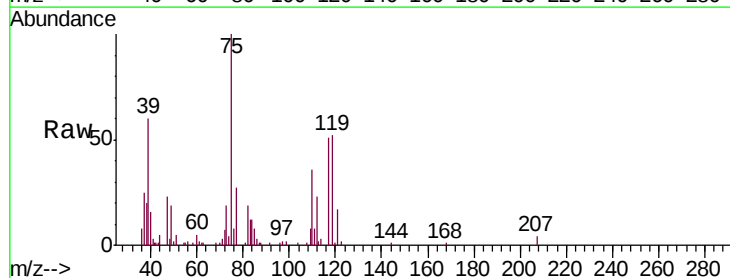


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

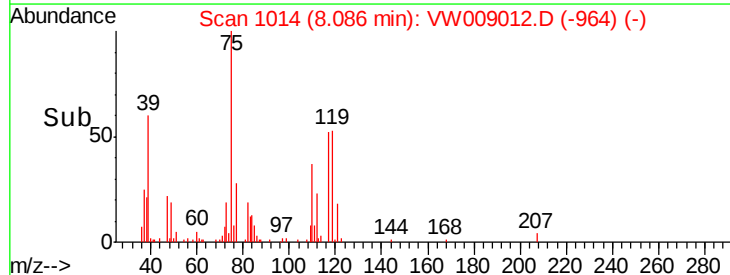
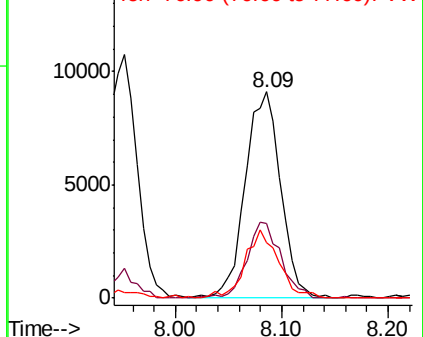


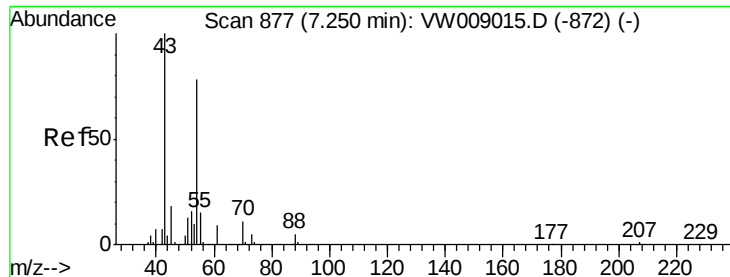
#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 75 Resp: 21282
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.3 51.9
 77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

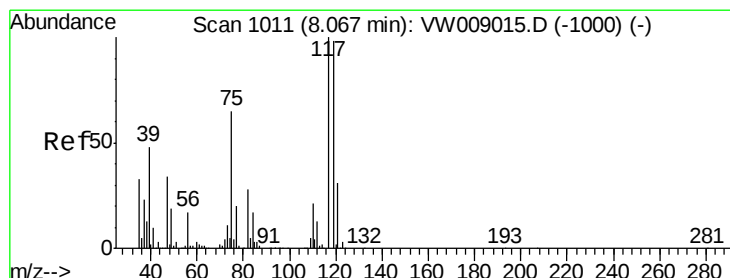
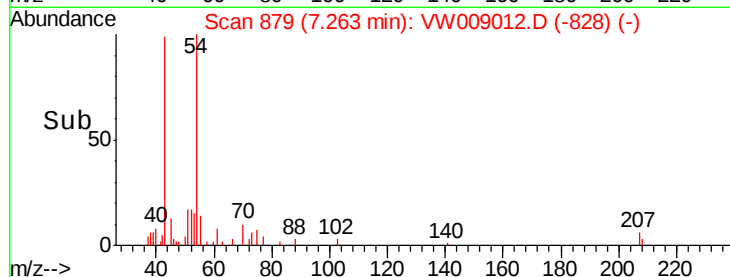
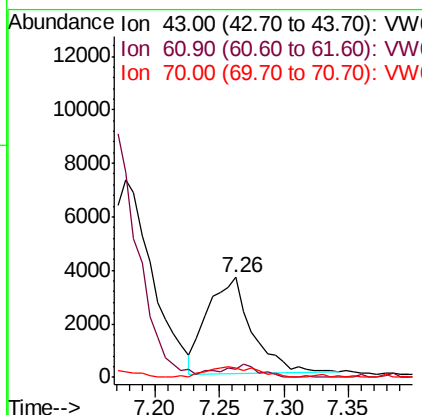
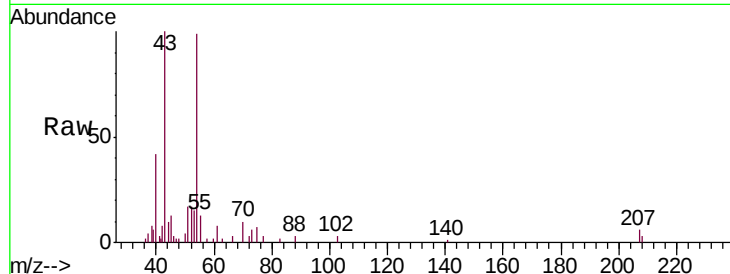




#37
Ethyl Acetate
Concen: 4.722 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

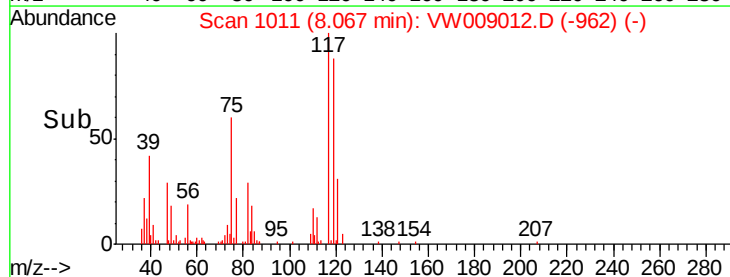
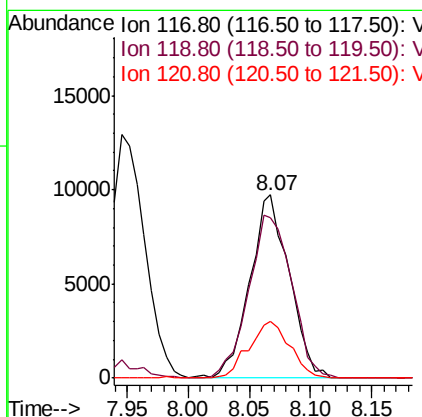
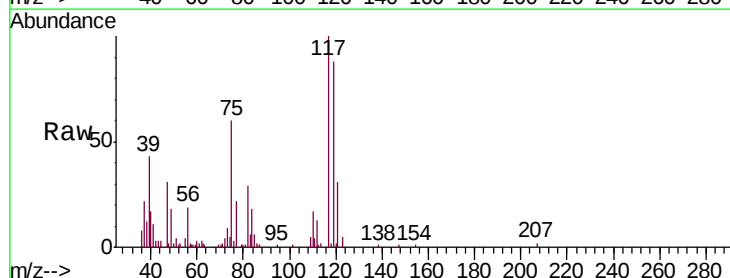
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

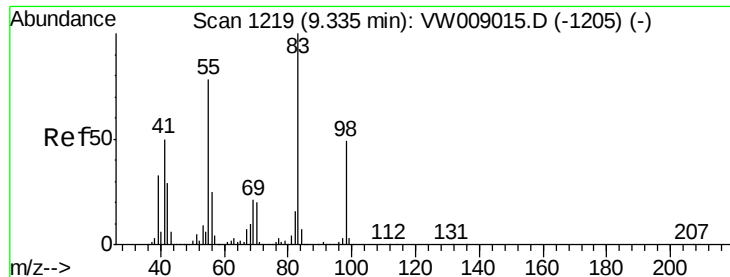
Tgt Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
61 11.7 10.6 15.8
70 12.8 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.025 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 117 Resp: 21843
Ion Ratio Lower Upper
117 100
119 87.5 78.4 117.6
121 31.3 24.7 37.1

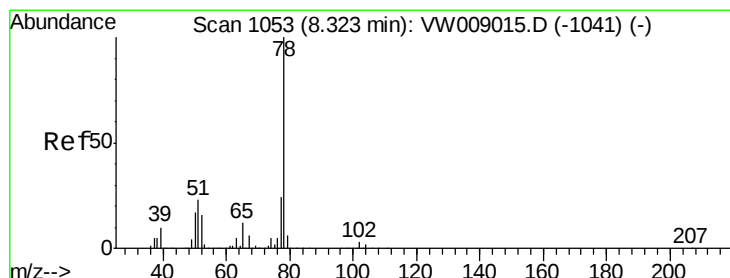
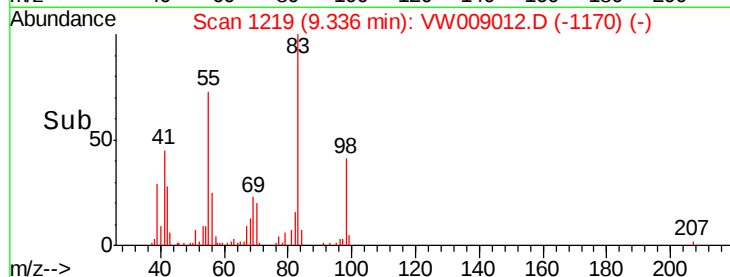
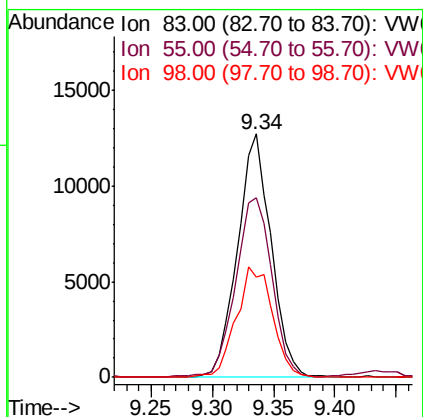
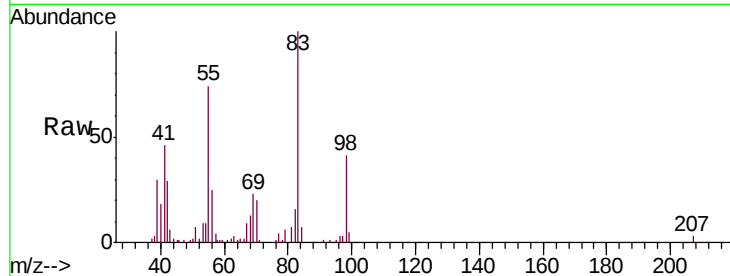




#39
Methylcyclohexane
Concen: 4.782 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

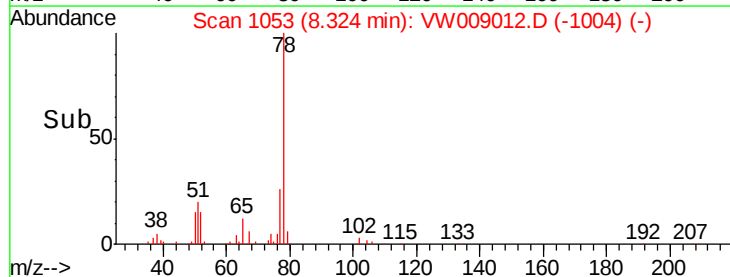
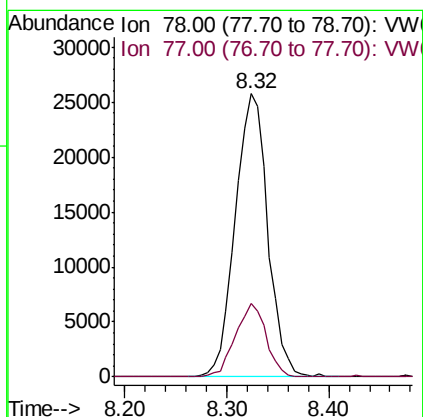
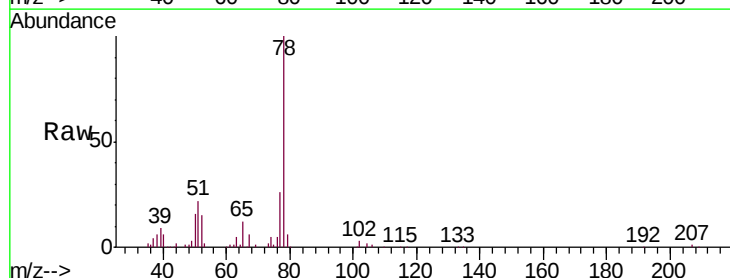
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

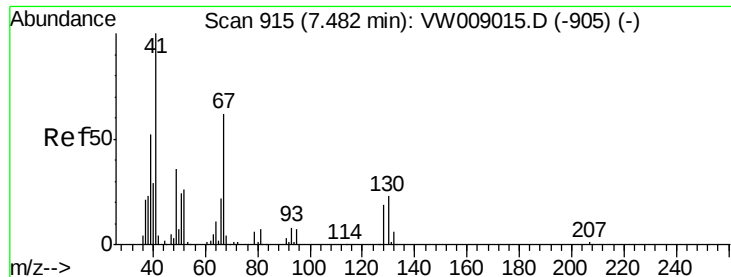
Tgt Ion: 83 Resp: 24262
Ion Ratio Lower Upper
83 100
55 73.4 62.6 93.8
98 41.2 39.4 59.2



#40
Benzene
Concen: 5.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 78 Resp: 56865
Ion Ratio Lower Upper
78 100
77 26.0 18.9 28.3

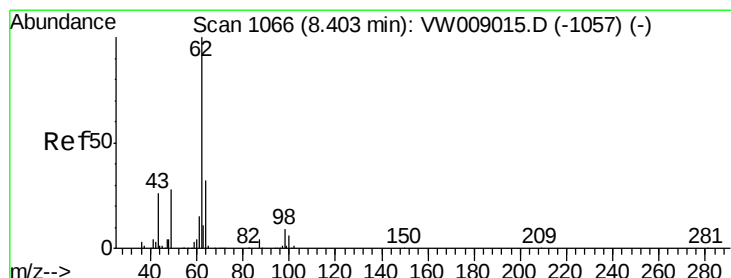
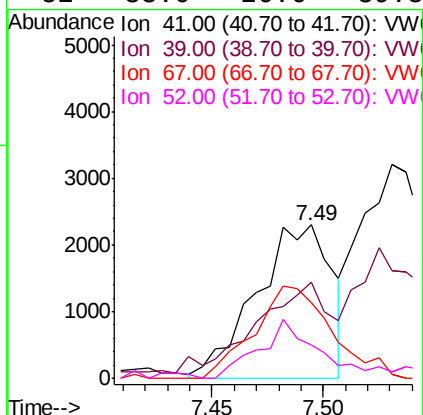
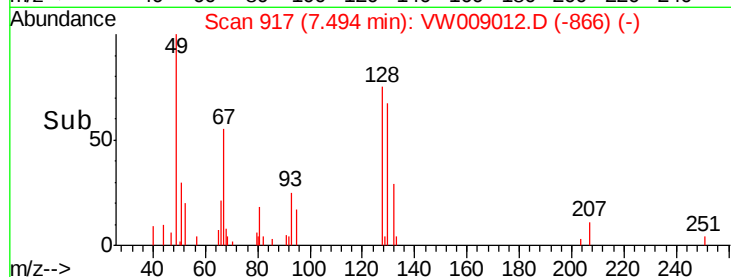
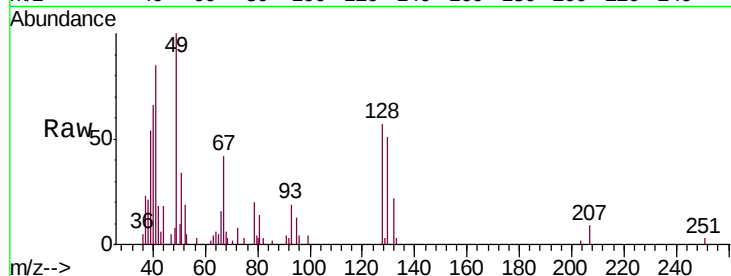




#41
Methacrylonitrile
Concen: 4.905 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

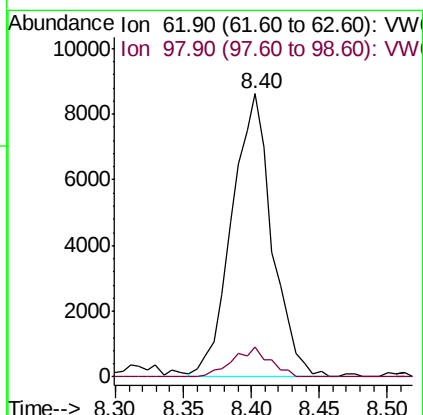
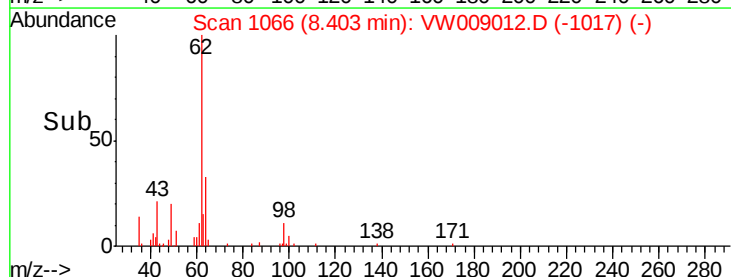
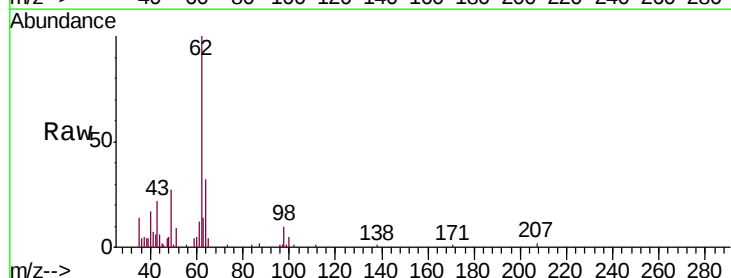
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

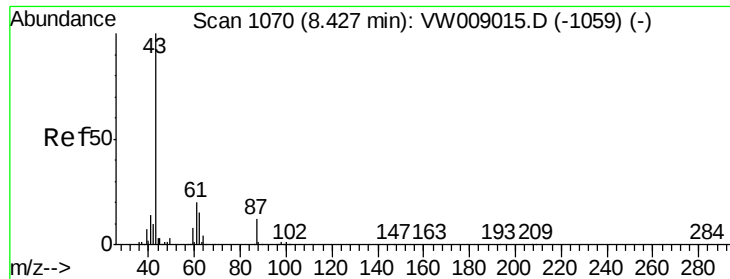
Tgt Ion:	41	Resp:	5405
Ion	Ratio	Lower	Upper
41	100		
39	67.2	50.6	75.8
67	61.9	59.0	88.6
52	33.0	26.6	39.8



#42
1,2-Dichloroethane
Concen: 4.883 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:	62	Resp:	17754
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.600 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

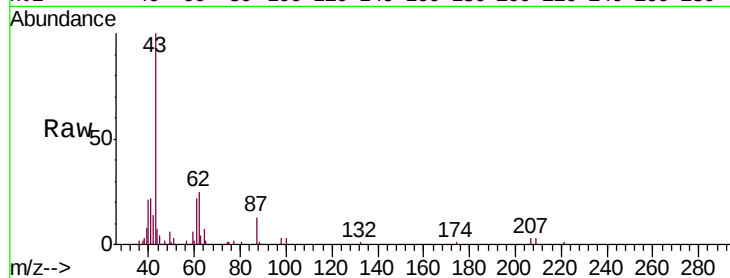
Tgt Ion: 43 Resp: 16798

Ion Ratio Lower Upper

43 100

61 30.5 23.5 35.3

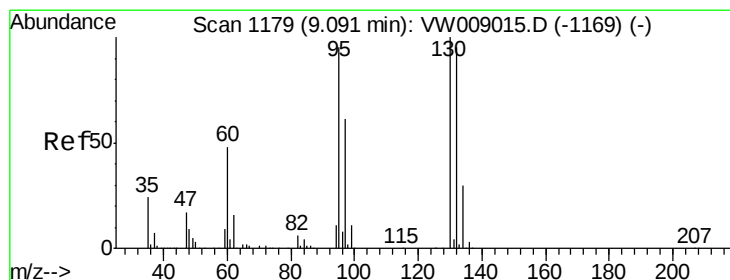
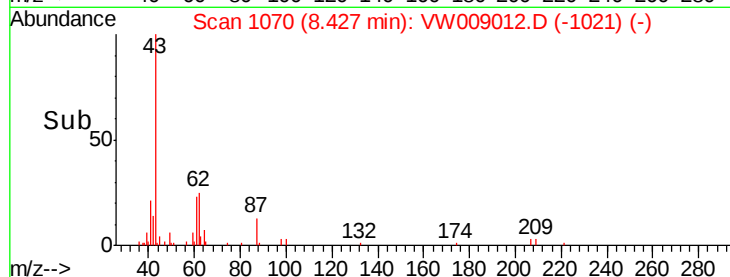
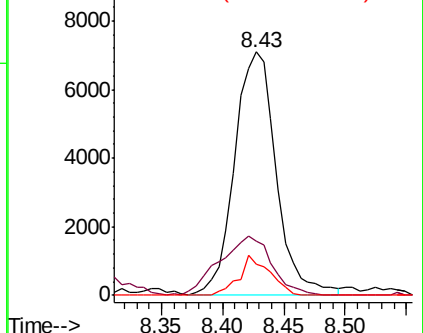
87 12.1 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.090 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009012.D

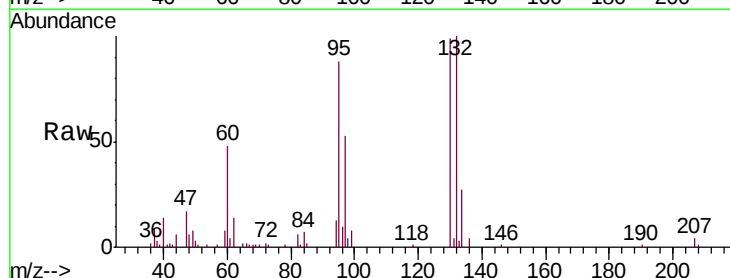
Acq: 06 Mar 2019 10:52

Tgt Ion: 130 Resp: 16079

Ion Ratio Lower Upper

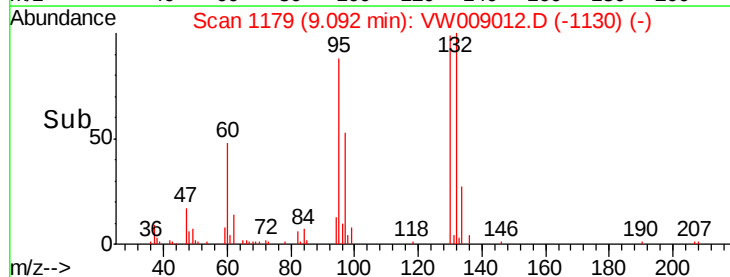
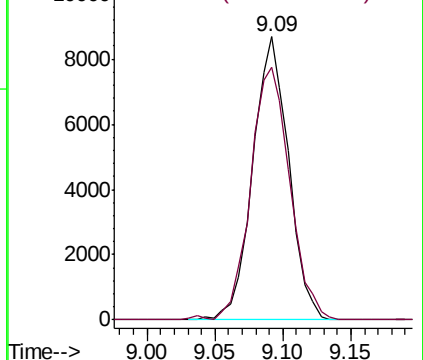
130 100

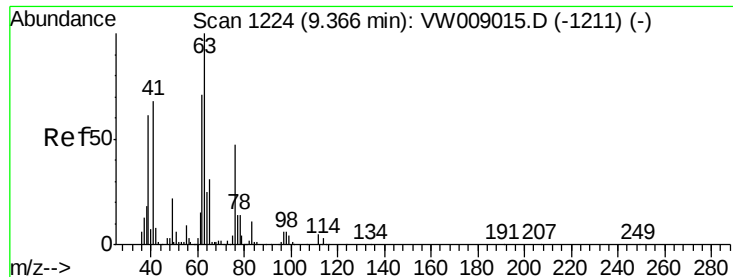
95 89.2 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

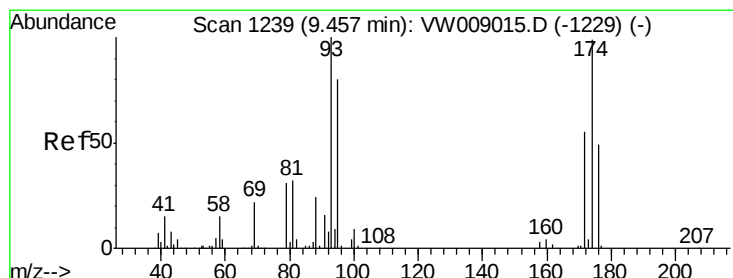
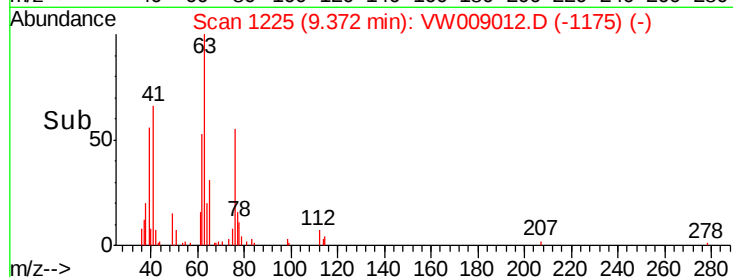
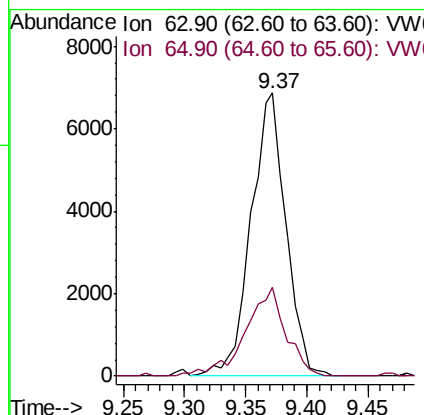
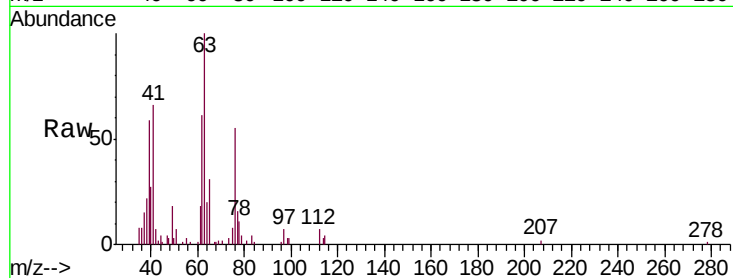




#45
 1,2-Dichloropropane
 Concen: 4.882 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

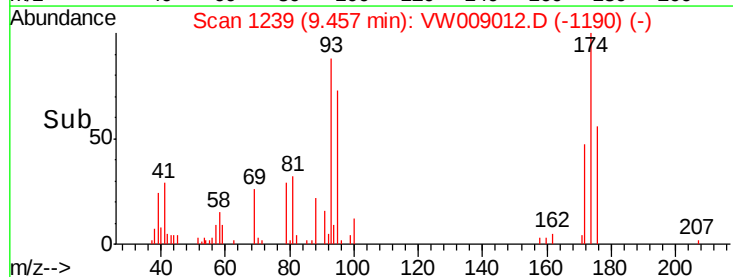
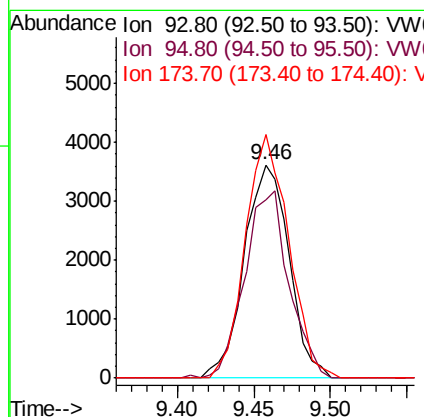
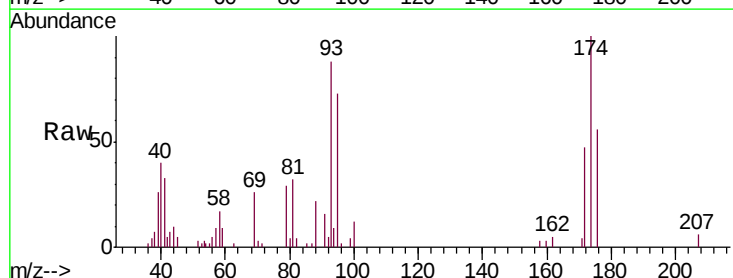
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

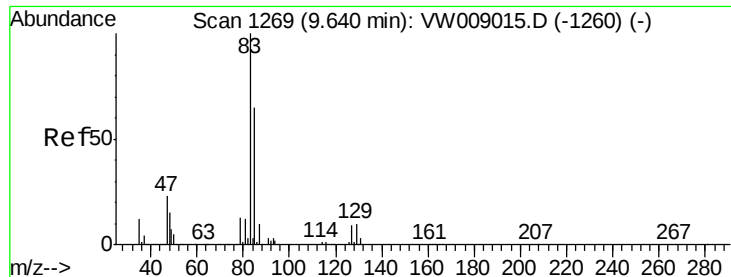
Tgt Ion: 63 Resp: 13712
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4



#46
 Dibromomethane
 Concen: 4.755 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 93 Resp: 7367
 Ion Ratio Lower Upper
 93 100
 95 87.3 64.1 96.1
 174 110.4 81.3 121.9





#47

Bromodichloromethane

Concen: 4.853 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

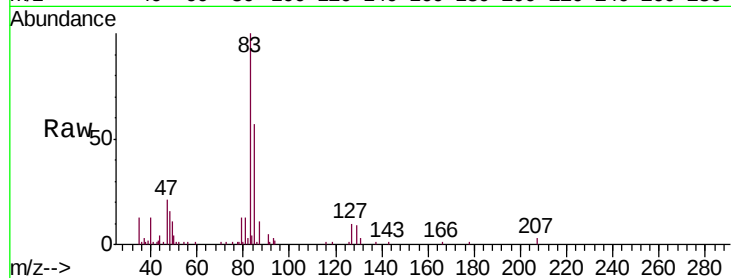
Tgt Ion: 83 Resp: 18851

Ion Ratio Lower Upper

83 100

85 56.9 51.9 77.9

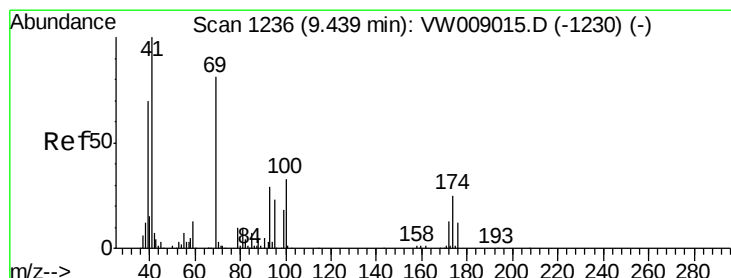
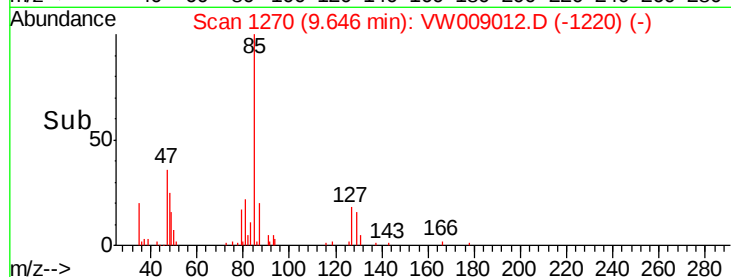
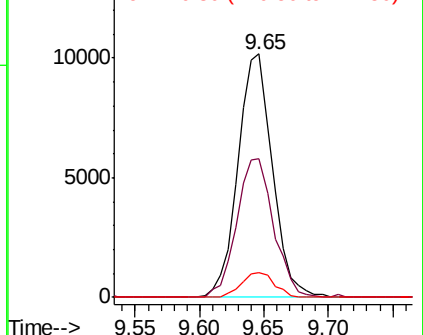
127 10.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 4.387 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

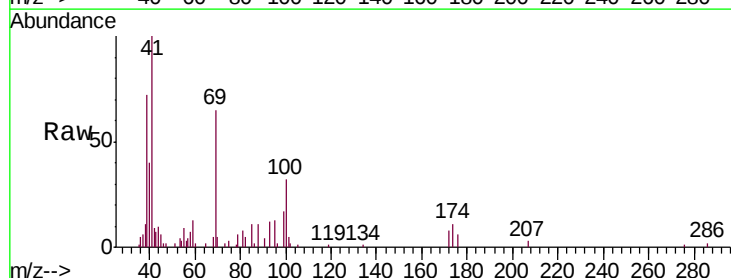
Tgt Ion: 41 Resp: 7570

Ion Ratio Lower Upper

41 100

69 81.3 61.8 92.6

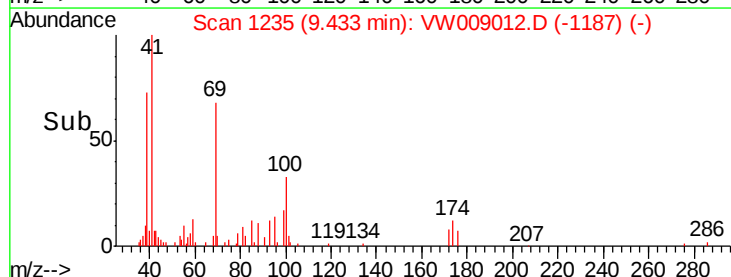
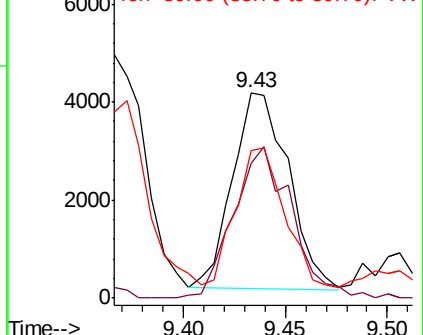
39 62.9 50.5 75.7

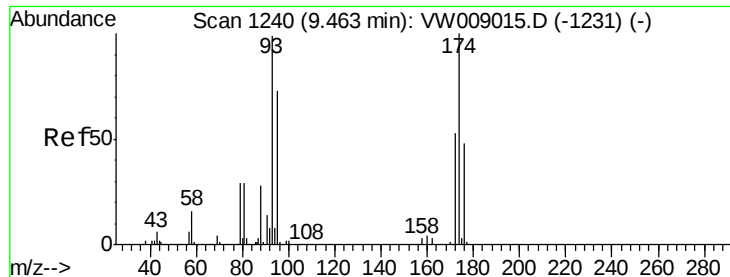


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 104.291 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

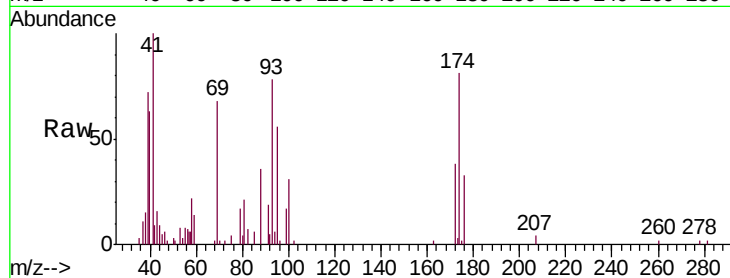
Tgt Ion: 88 Resp: 2209

Ion Ratio Lower Upper

88 100

43 44.4 0.0 0.0#

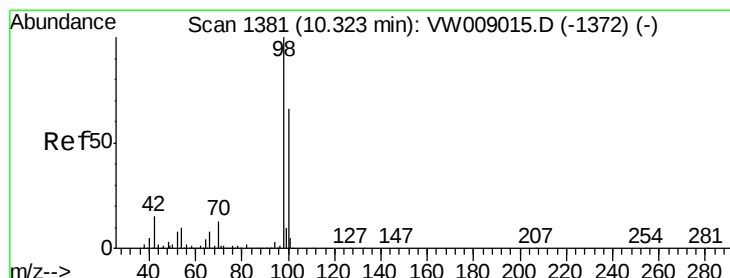
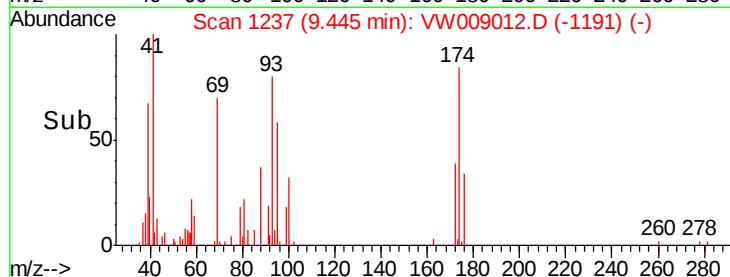
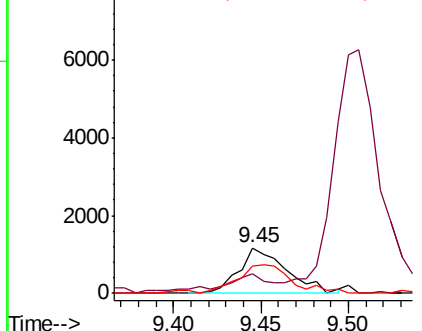
58 71.9 55.0 82.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 4.709 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009012.D

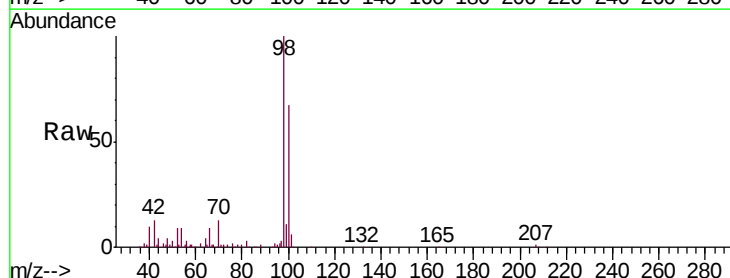
Acq: 06 Mar 2019 10:52

Tgt Ion: 98 Resp: 49209

Ion Ratio Lower Upper

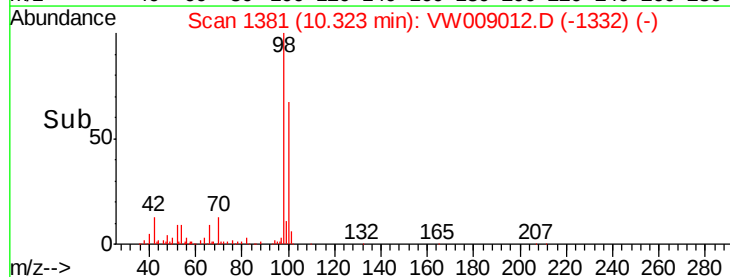
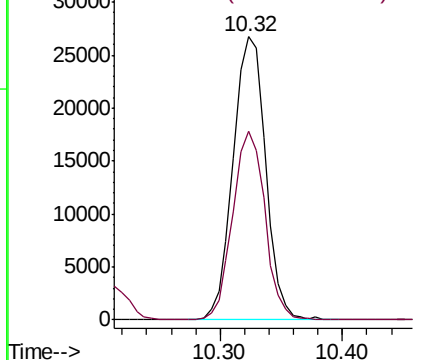
98 100

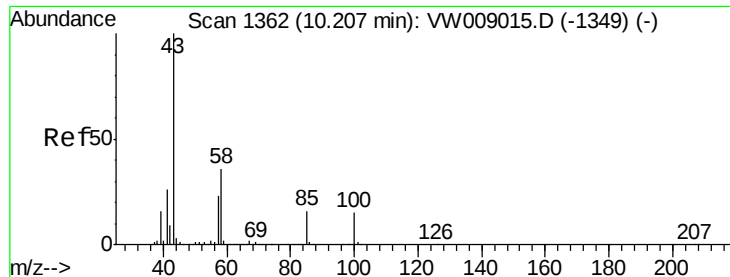
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 22.380 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

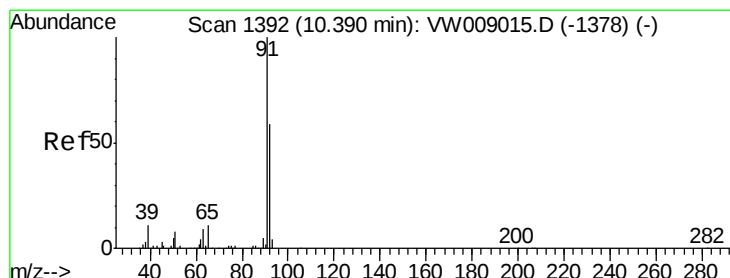
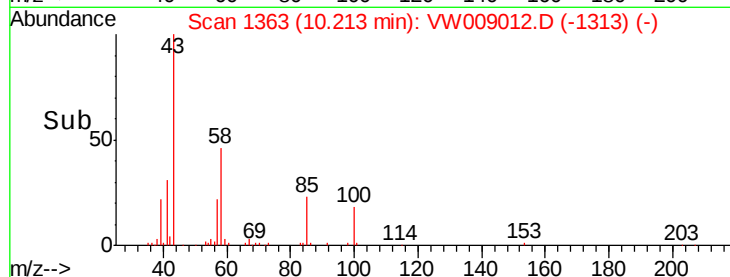
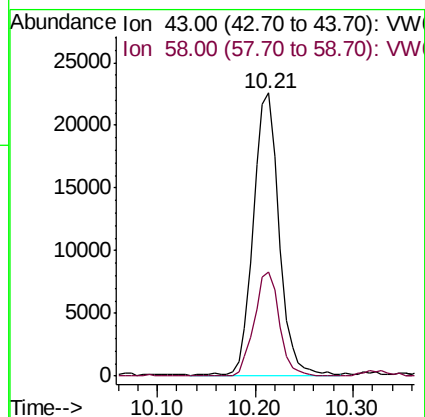
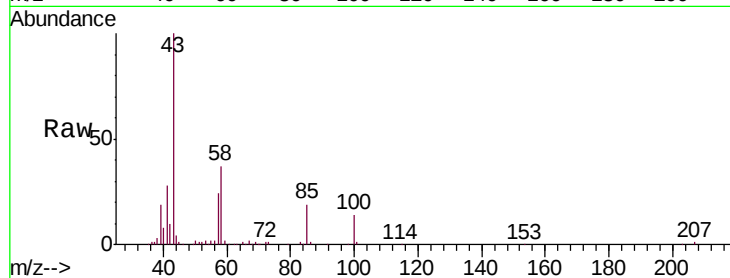
VSTDIC005

Tgt Ion: 43 Resp: 41331

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4



#52

Toluene

Concen: 4.877 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009012.D

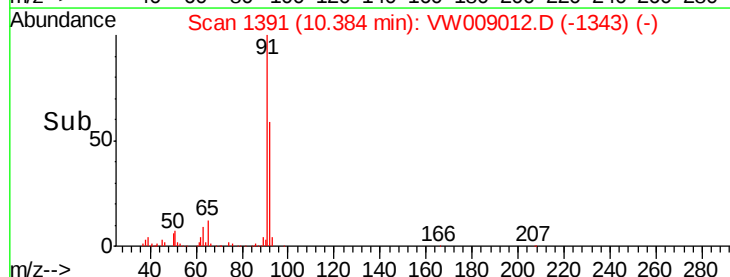
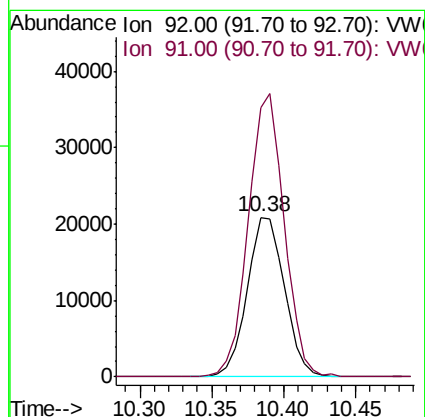
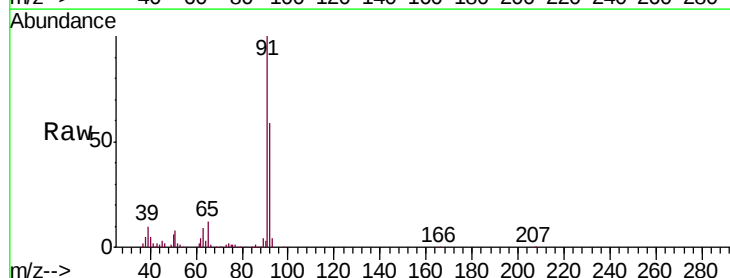
Acq: 06 Mar 2019 10:52

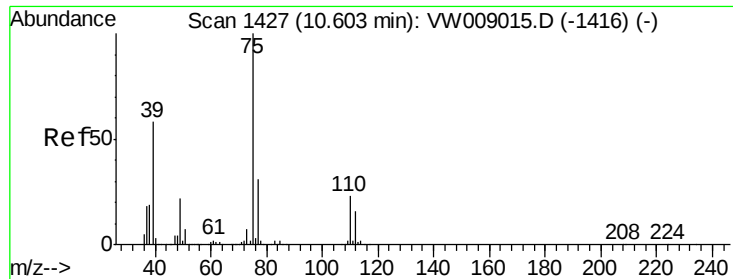
Tgt Ion: 92 Resp: 37299

Ion Ratio Lower Upper

92 100

91 170.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 4.541 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

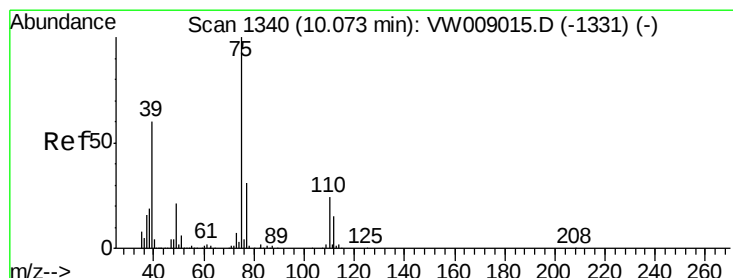
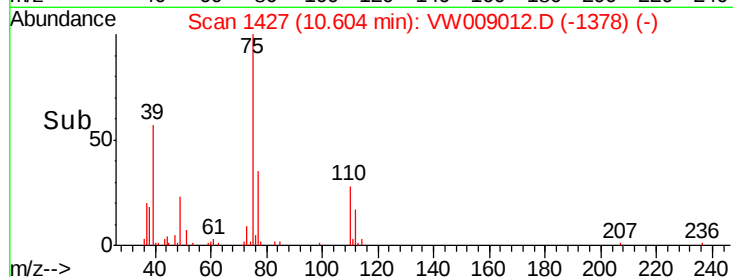
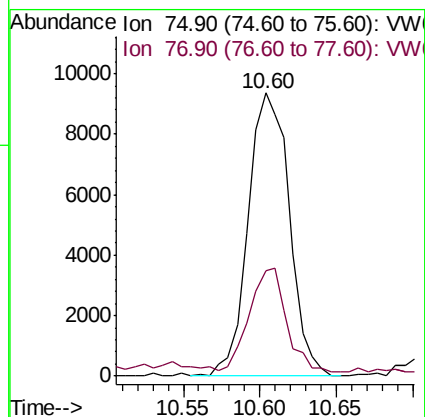
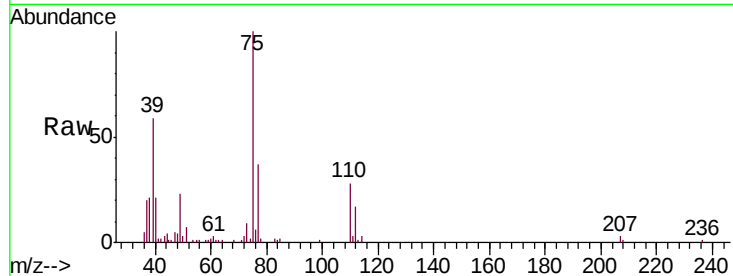
VSTDIC005

Tgt Ion: 75 Resp: 17498

Ion Ratio Lower Upper

75 100

77 36.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 4.469 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

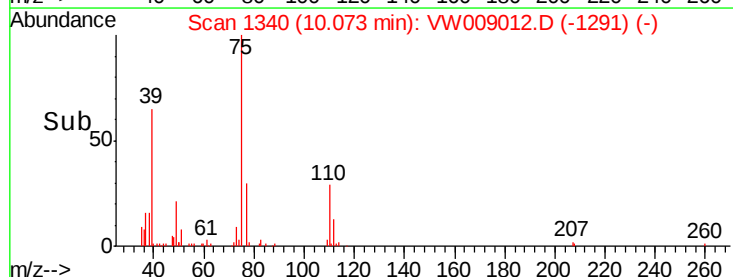
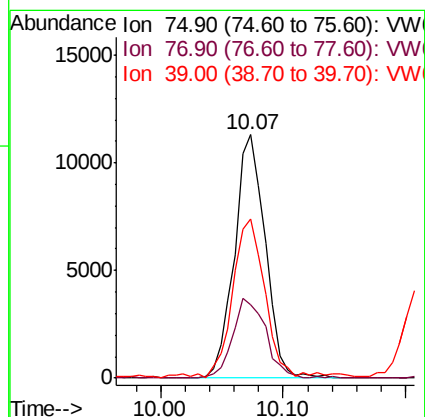
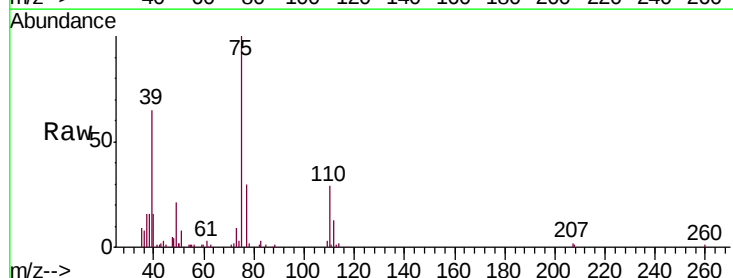
Tgt Ion: 75 Resp: 19657

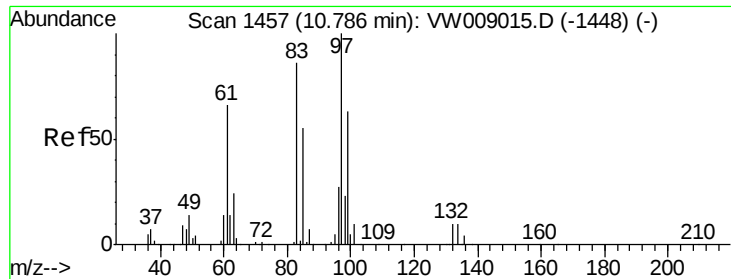
Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

39 64.5 48.2 72.2

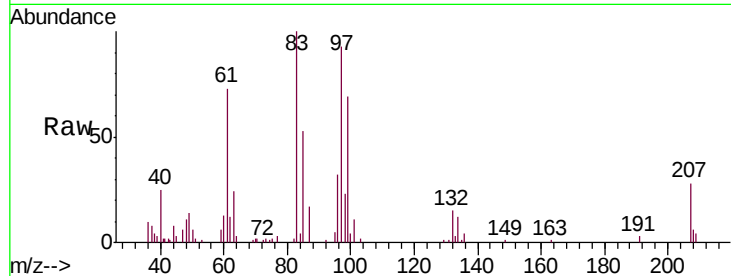




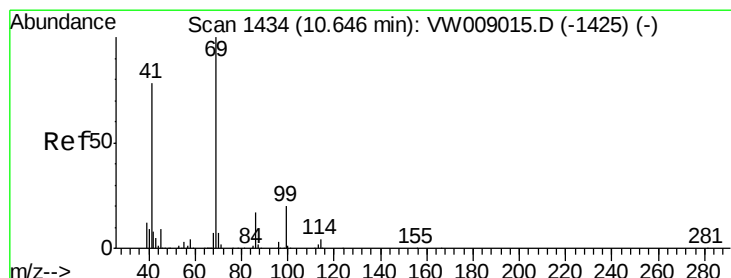
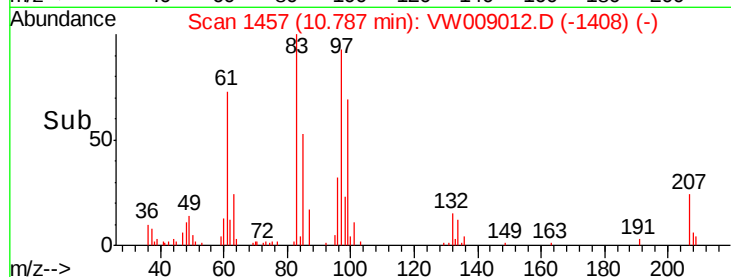
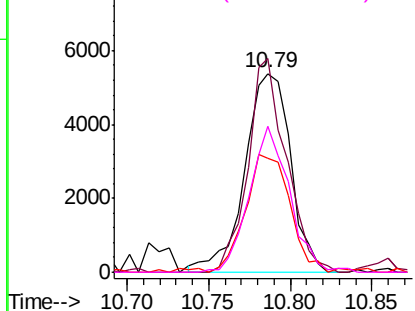
#55
 1,1,2-Trichloroethane
 Concen: 4.965 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 10449
 Ion Ratio Lower Upper
 97 100
 83 107.4 68.8 103.2#
 85 55.7 43.7 65.5
 99 73.6 50.1 75.1

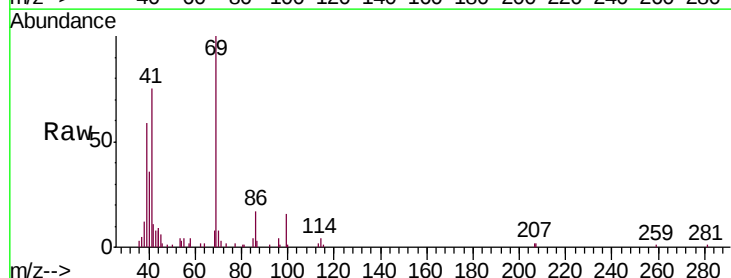


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

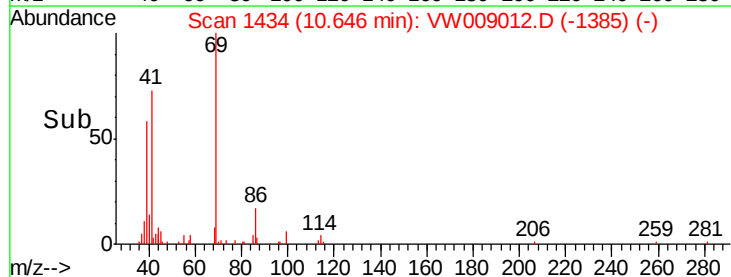
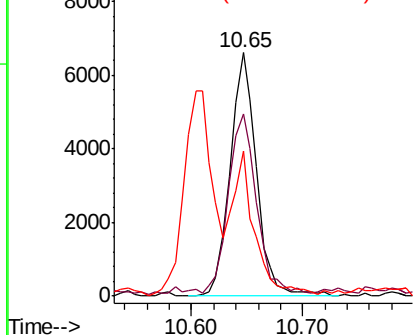


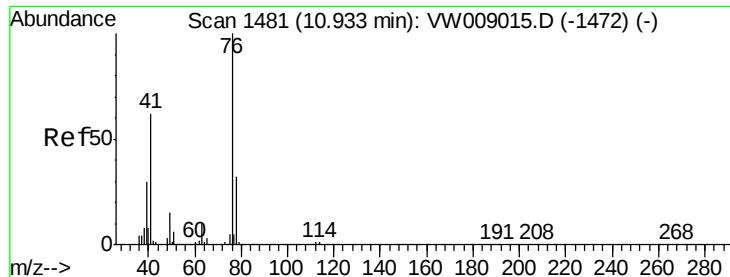
#56
 Ethyl methacrylate
 Concen: 4.164 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 69 Resp: 10839
 Ion Ratio Lower Upper
 69 100
 41 77.3 58.9 88.3
 39 49.8 37.6 56.4



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





#57

1,3-Dichloropropane

Concen: 4.861 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

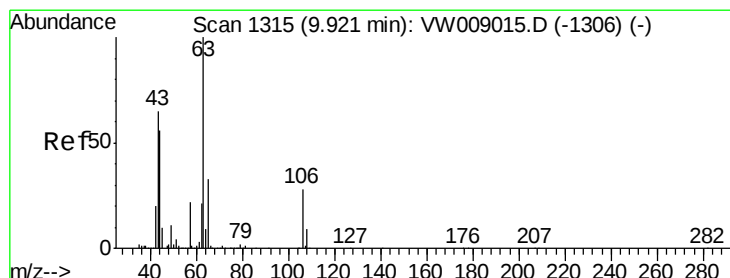
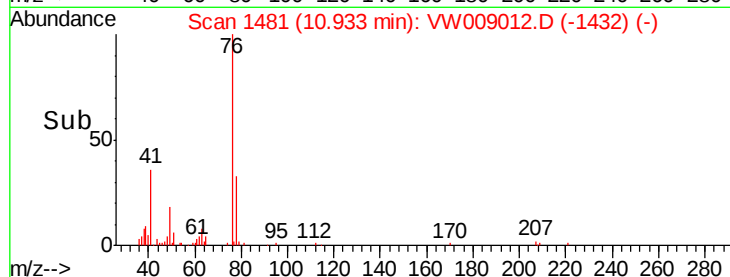
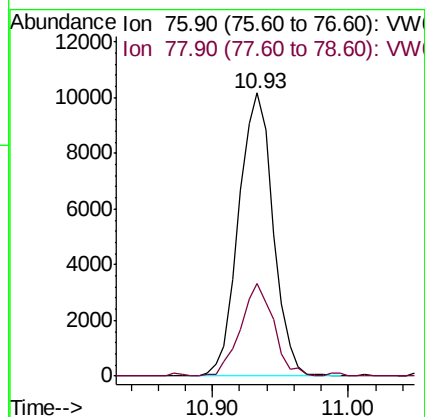
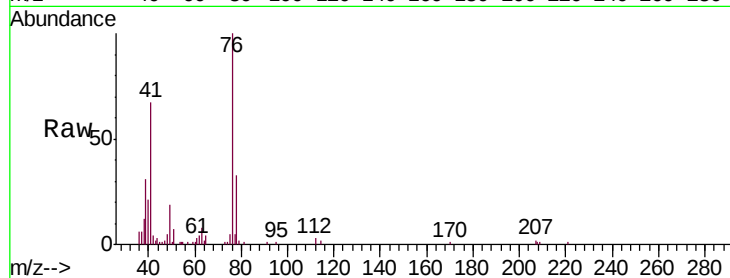
VSTDIC005

Tgt Ion: 76 Resp: 17989

Ion Ratio Lower Upper

76 100

78 31.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 22.899 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009012.D

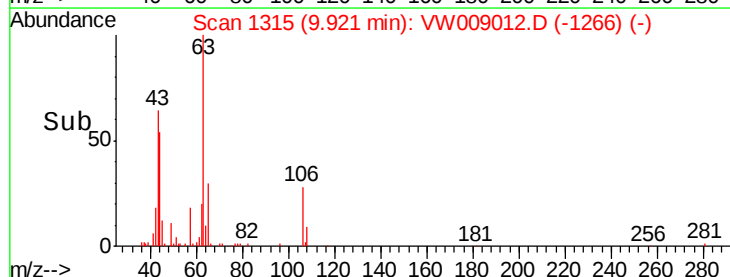
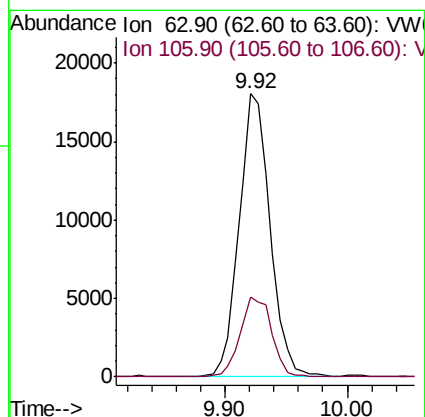
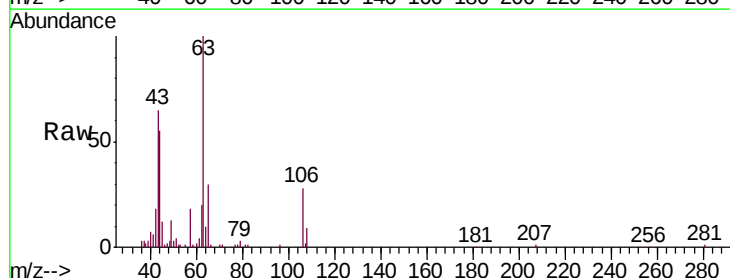
Acq: 06 Mar 2019 10:52

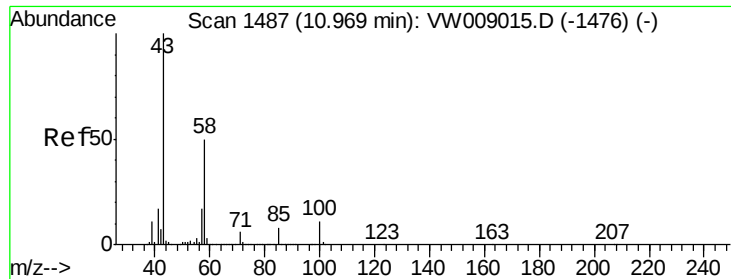
Tgt Ion: 63 Resp: 31630

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6

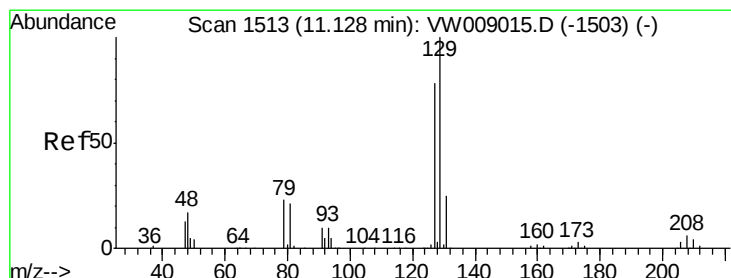
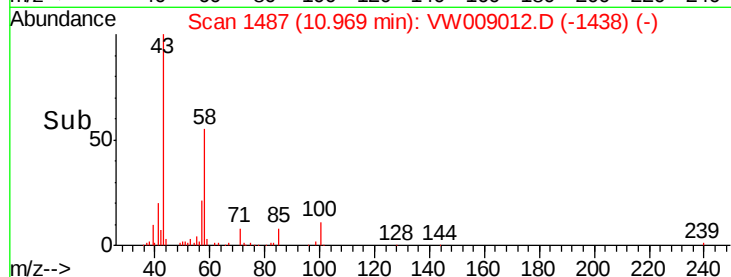
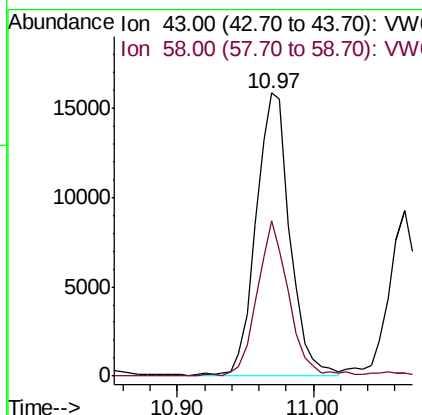
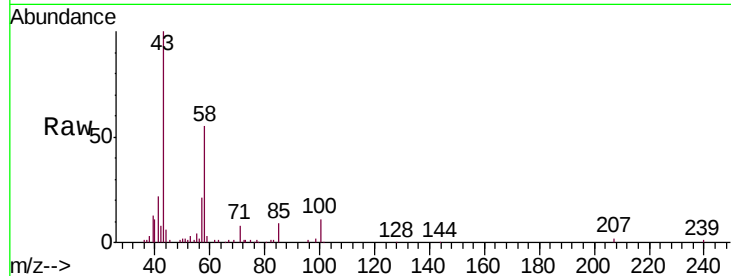




#59
2-Hexanone
Concen: 21.393 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

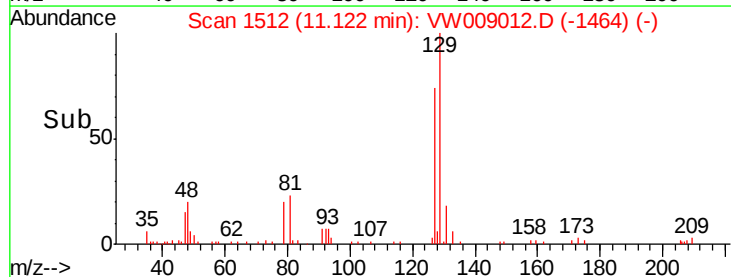
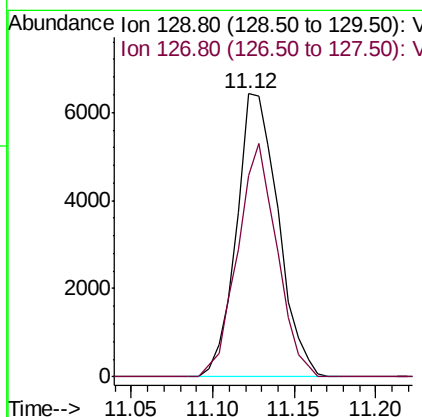
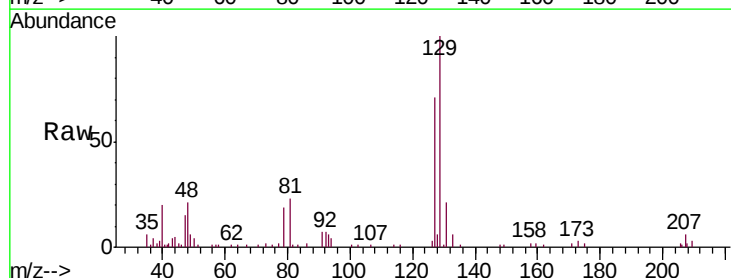
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

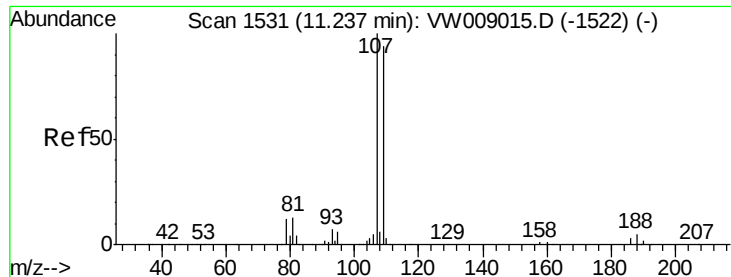
Tgt Ion: 43 Resp: 27774
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.8



#60
Dibromochloromethane
Concen: 4.474 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 129 Resp: 11436
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

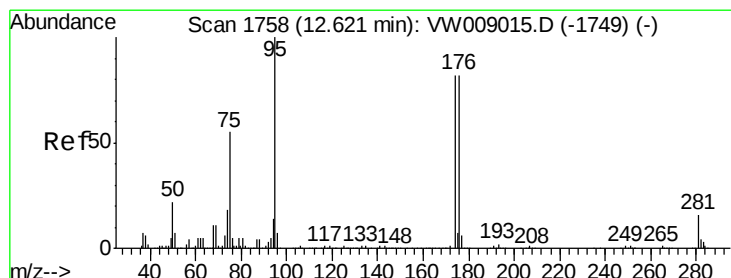
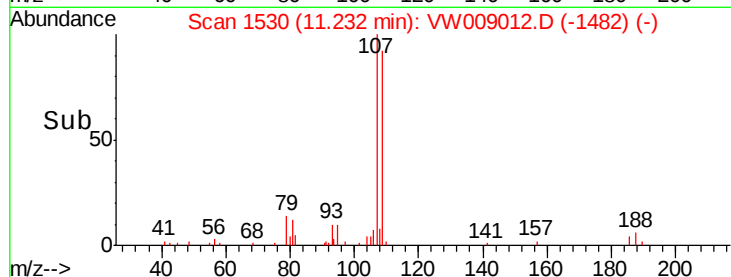
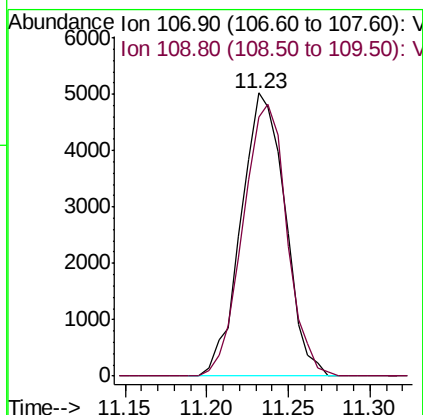
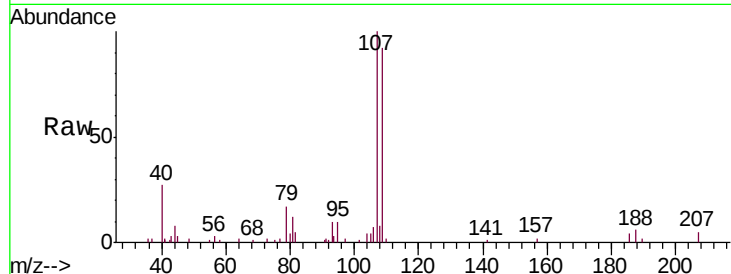




#61
1,2-Dibromoethane
Concen: 4.737 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

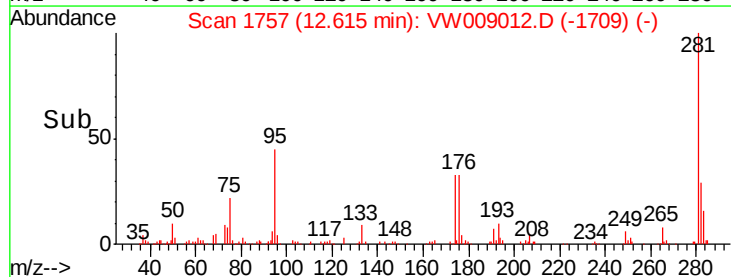
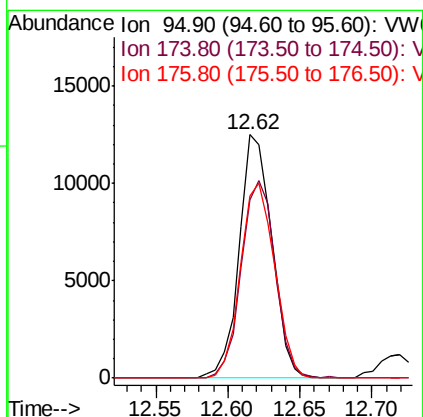
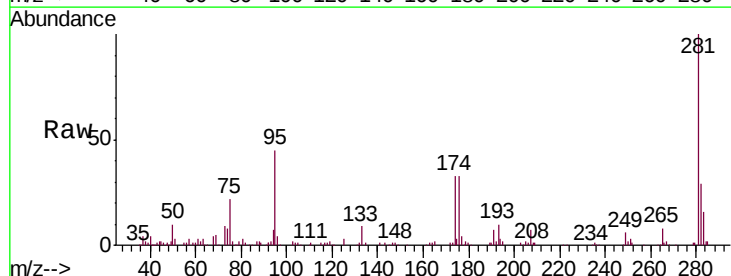
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

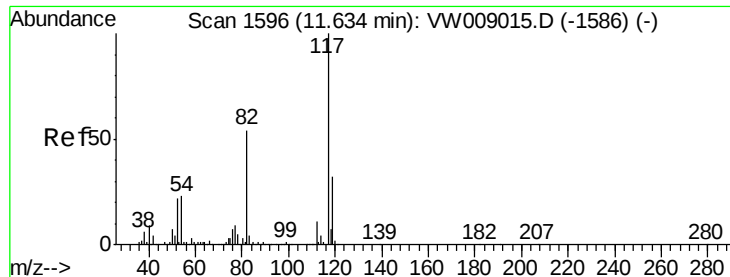
Tgt Ion: 107 Resp: 9448
Ion Ratio Lower Upper
107 100
109 95.8 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 4.885 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 95 Resp: 19716
Ion Ratio Lower Upper
95 100
174 83.5 0.0 165.8
176 83.4 0.0 159.8

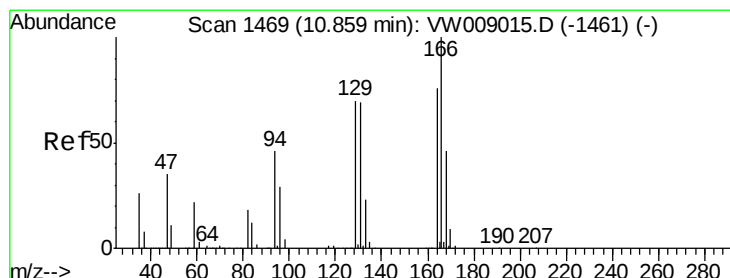
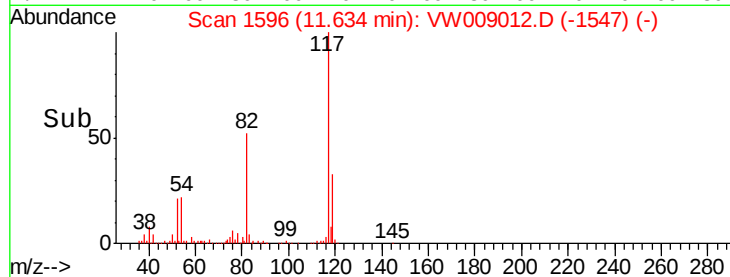
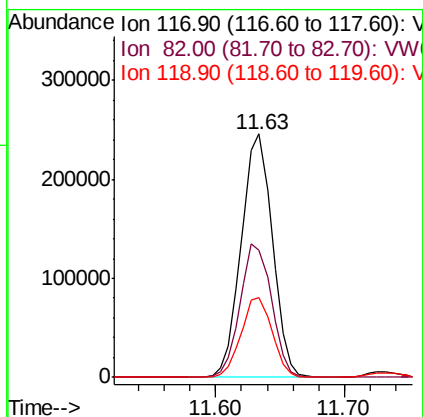
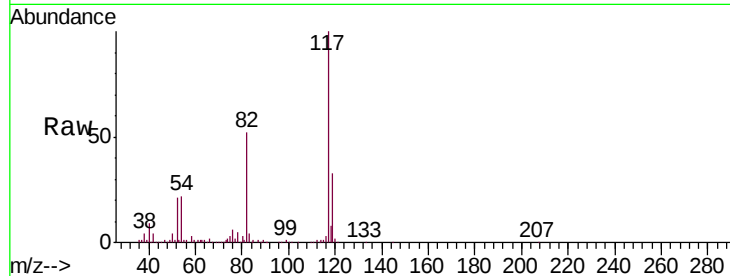




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

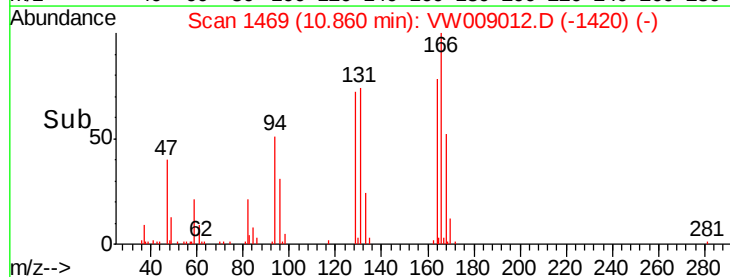
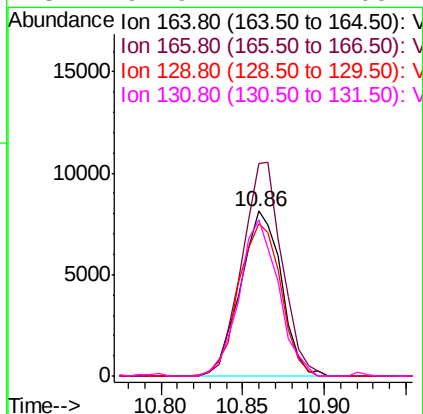
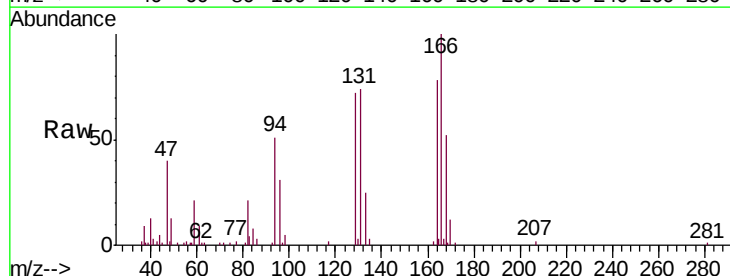
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

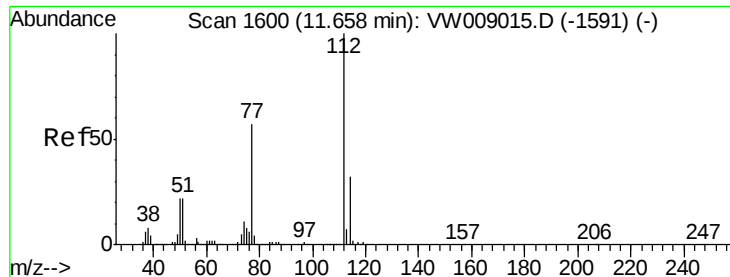
Tgt Ion:117 Resp: 411441
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.2
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 5.007 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:164 Resp: 14223
Ion Ratio Lower Upper
164 100
166 128.6 104.6 157.0
129 92.2 73.4 110.2
131 94.9 72.7 109.1

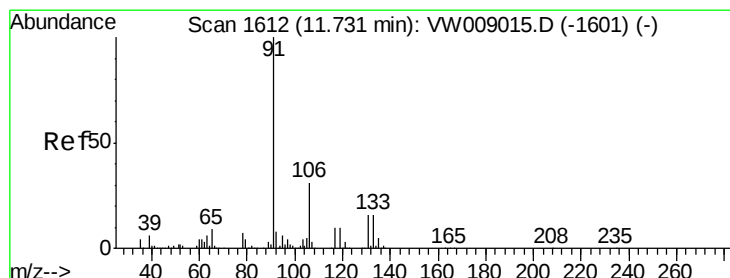
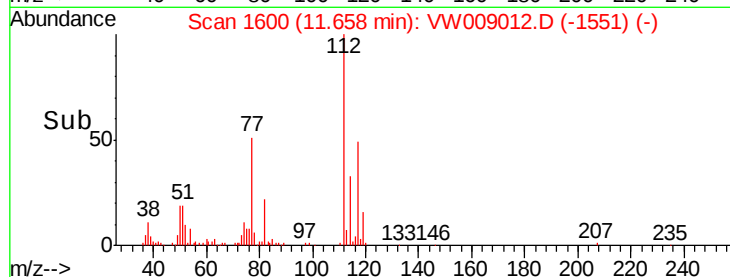
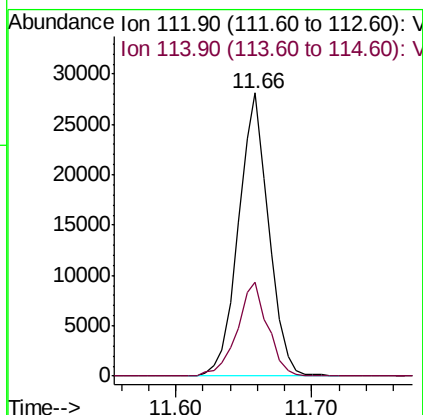
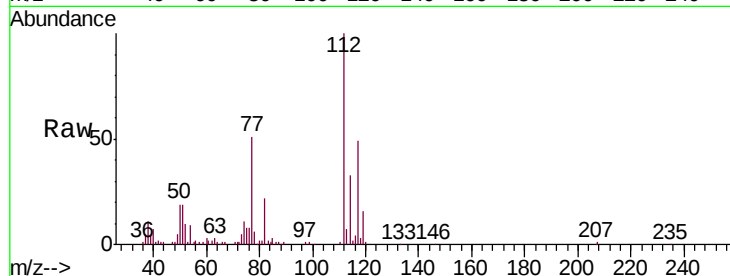




#65
Chlorobenzene
Concen: 5.081 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

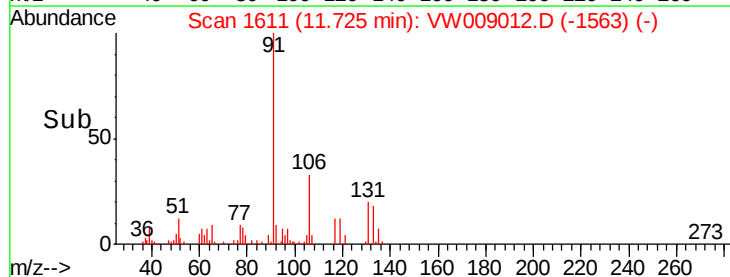
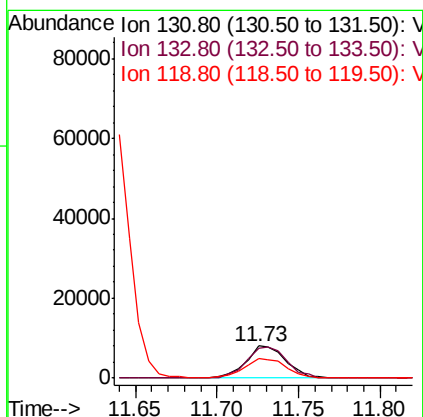
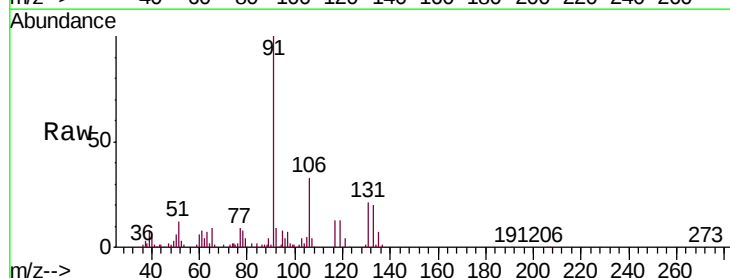
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

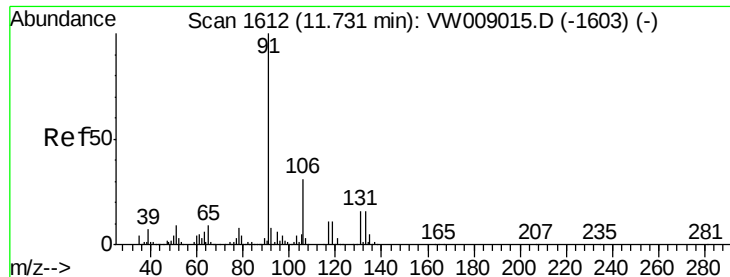
Tgt Ion:112 Resp: 43393
Ion Ratio Lower Upper
112 100
114 33.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 4.711 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:131 Resp: 13510
Ion Ratio Lower Upper
131 100
133 100.5 48.1 144.3
119 66.1 31.1 93.5





#67

Ethyl Benzene

Concen: 4.740 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

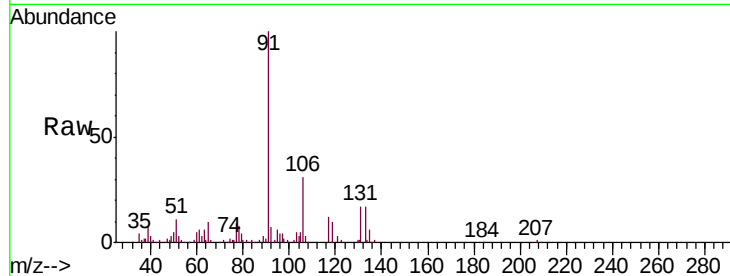
VSTDIC005

Tgt Ion: 91 Resp: 73400

Ion Ratio Lower Upper

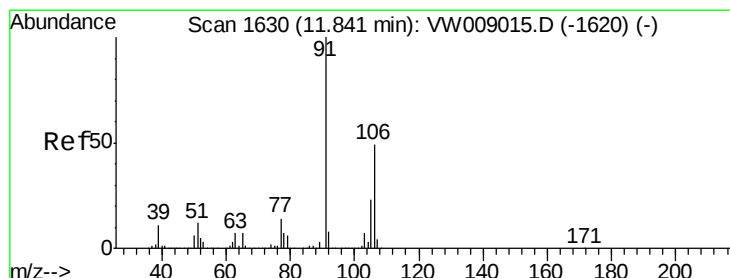
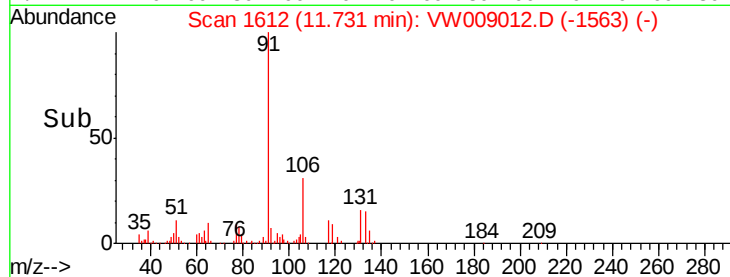
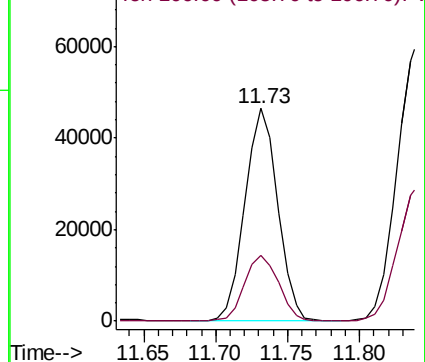
91 100

106 30.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.263 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009012.D

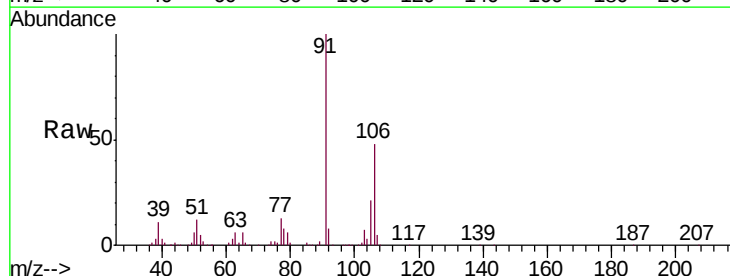
Acq: 06 Mar 2019 10:52

Tgt Ion: 106 Resp: 56596

Ion Ratio Lower Upper

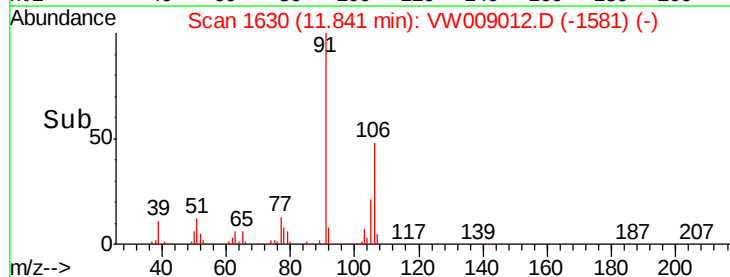
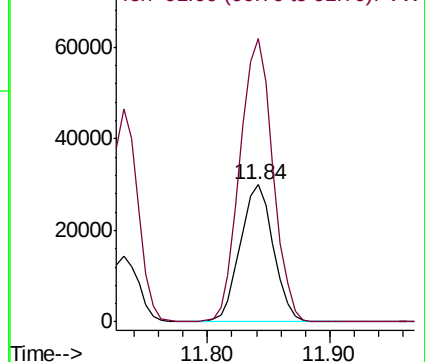
106 100

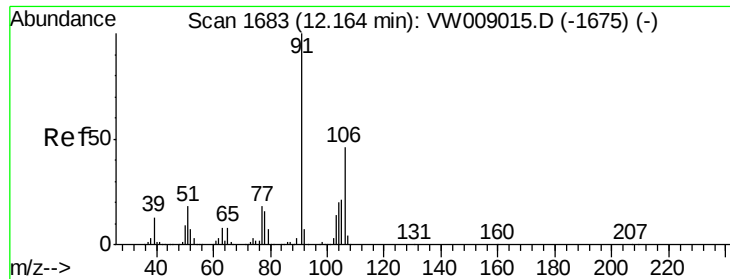
91 204.6 162.9 244.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

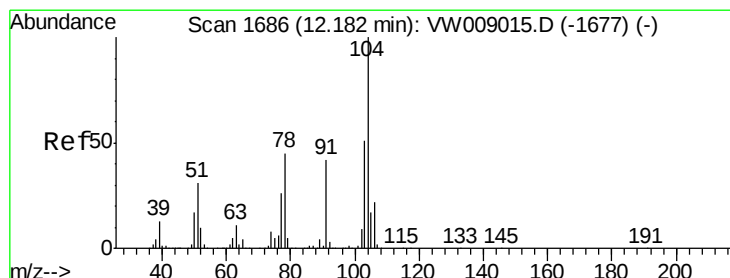
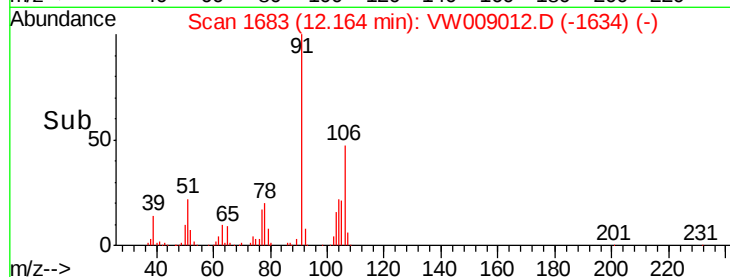
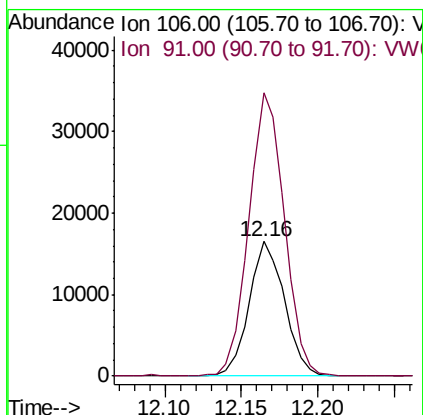
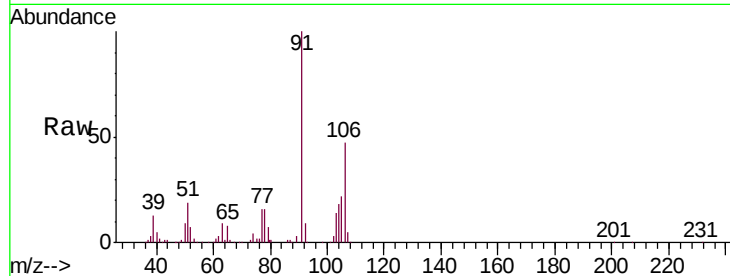




#69
o-Xylene
Concen: 4.656 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

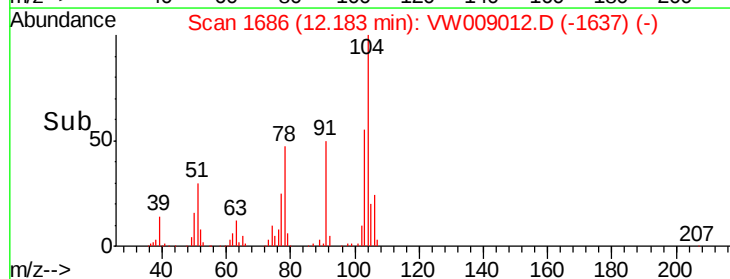
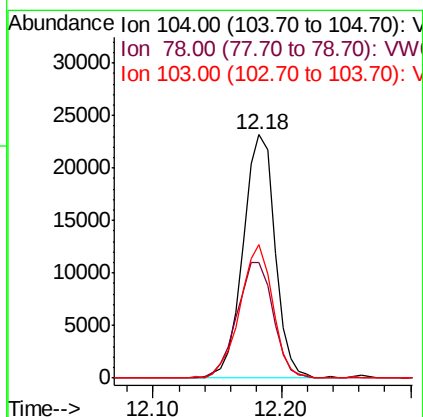
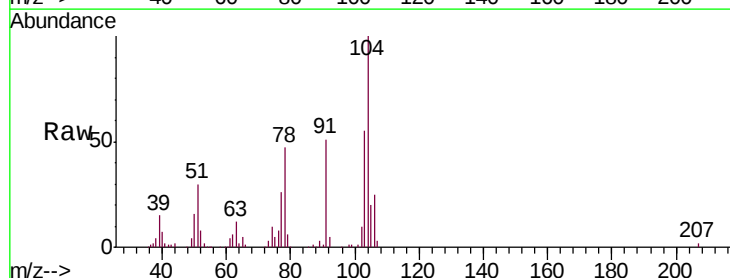
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

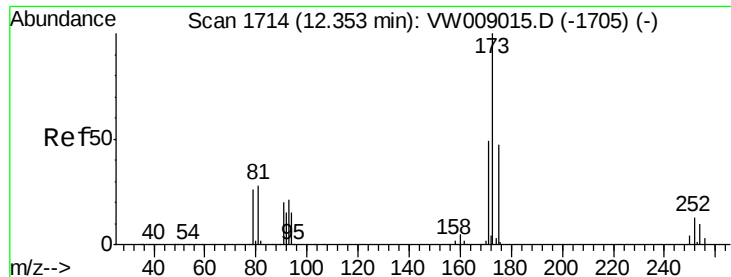
Tgt Ion:106 Resp: 26555
Ion Ratio Lower Upper
106 100
91 211.7 107.4 322.2



#70
Styrene
Concen: 4.283 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:104 Resp: 39578
Ion Ratio Lower Upper
104 100
78 54.2 41.9 62.9
103 56.8 44.9 67.3





#71

Bromoform

Concen: 4.470 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

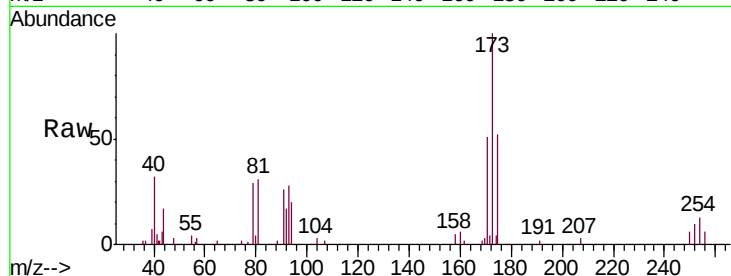
Tgt Ion:173 Resp: 6831

Ion Ratio Lower Upper

173 100

175 47.4 23.3 69.9

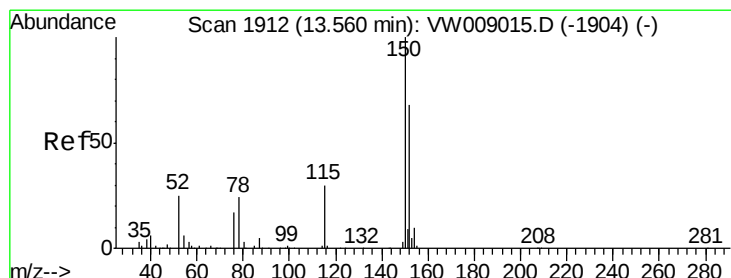
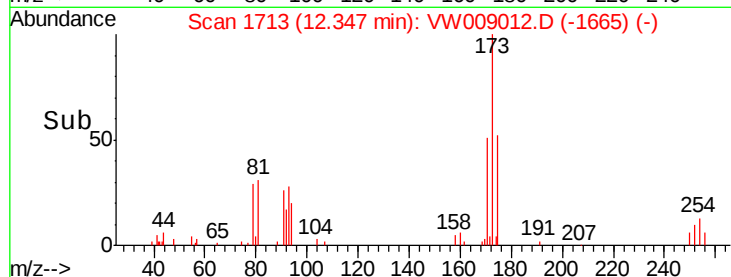
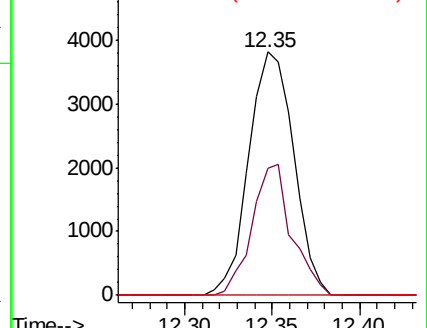
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

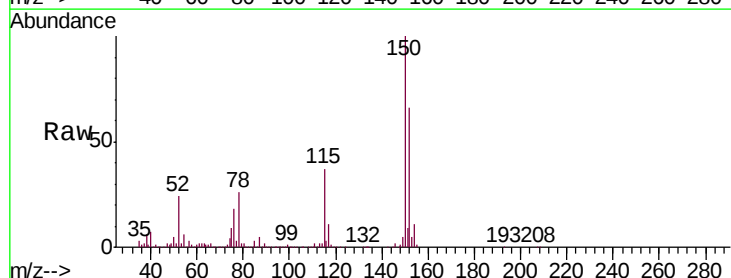
Tgt Ion:152 Resp: 231387

Ion Ratio Lower Upper

152 100

115 56.0 29.3 87.8

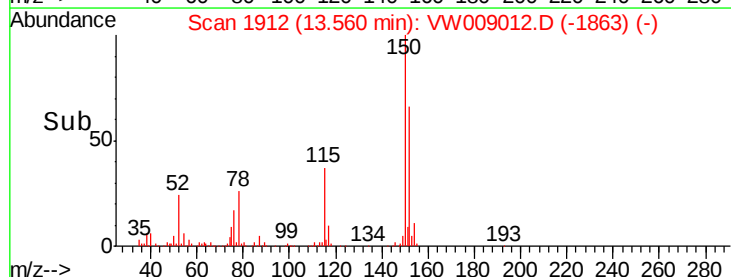
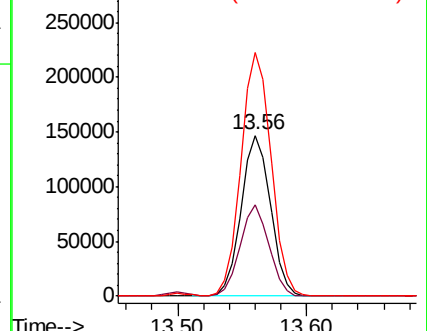
150 155.2 0.0 348.6

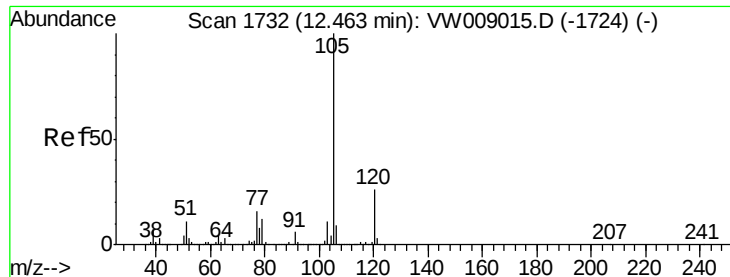


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.453 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

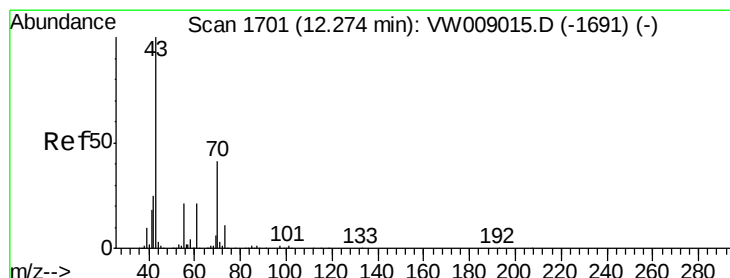
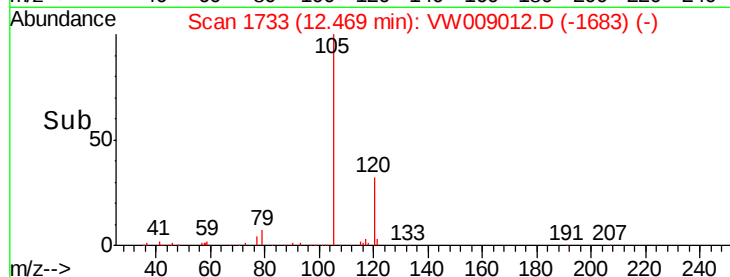
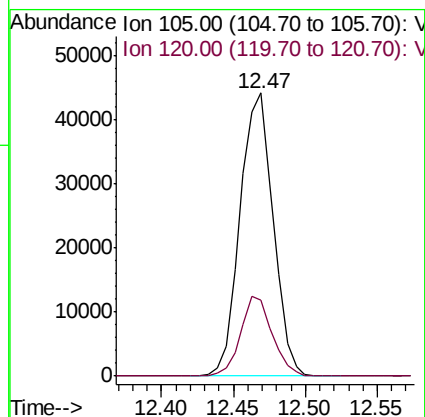
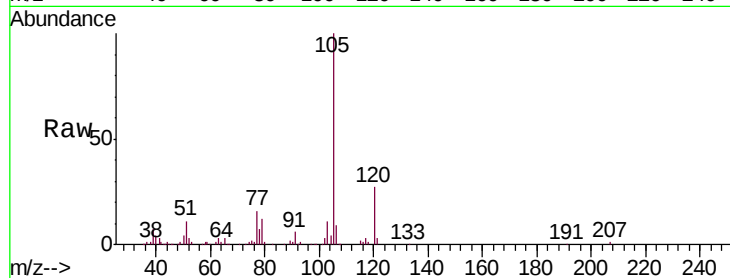
VSTDIC005

Tgt Ion: 105 Resp: 70523

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 4.036 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion: 43 Resp: 15219

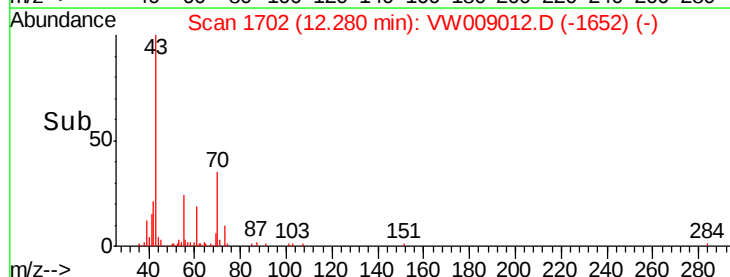
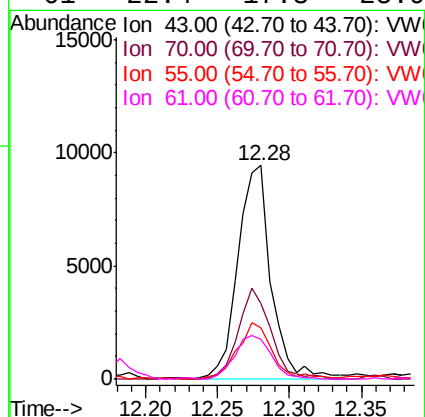
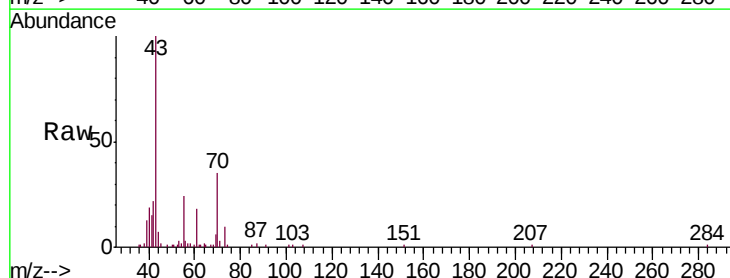
Ion Ratio Lower Upper

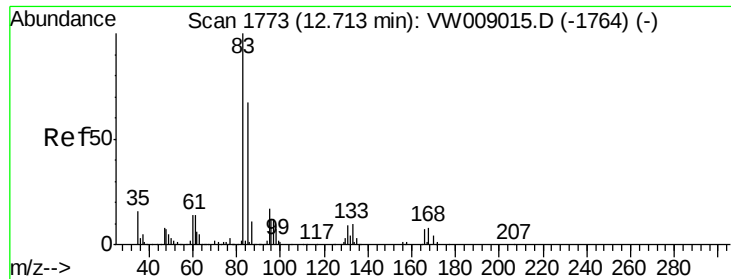
43 100

70 41.2 31.2 46.8

55 27.6 18.0 27.0#

61 22.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.844 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

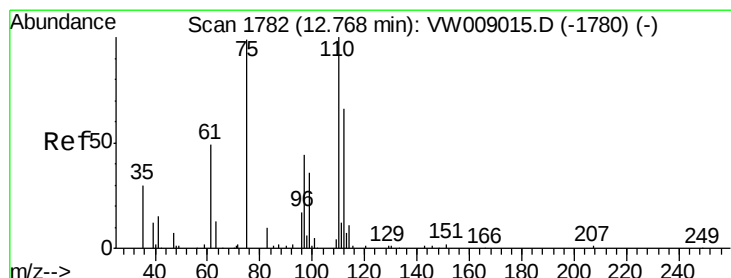
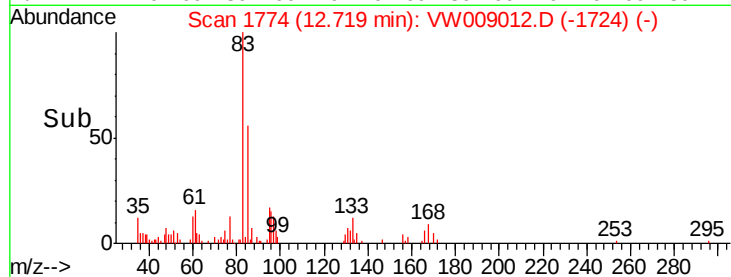
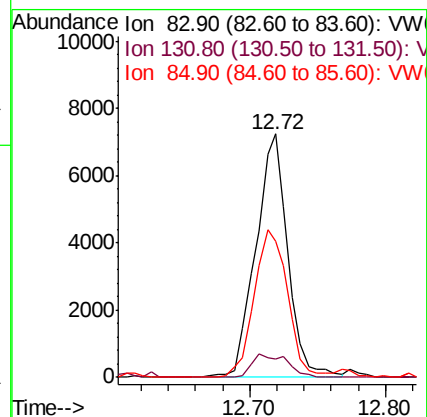
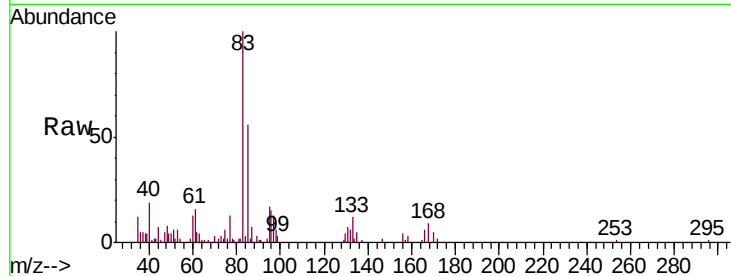
Tgt Ion: 83 Resp: 11966

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.7

85 63.7 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 6.271 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW009012.D

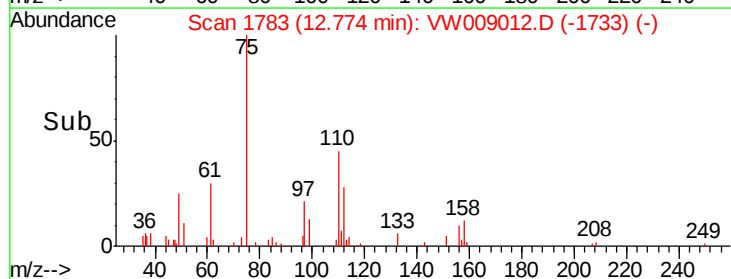
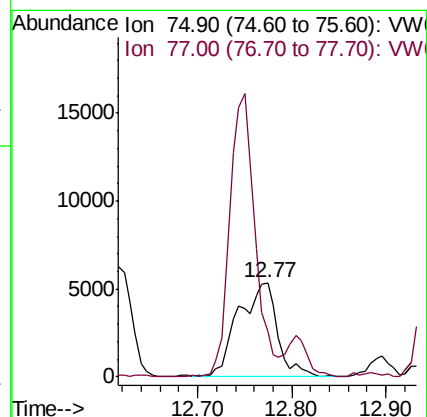
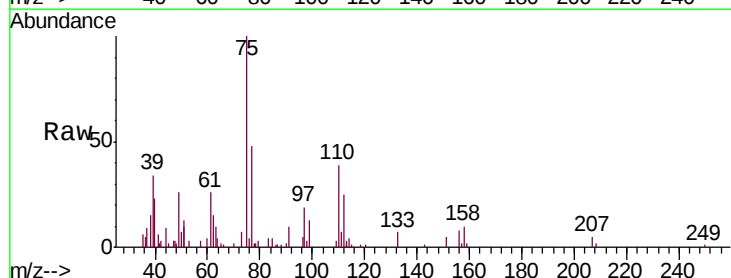
Acq: 06 Mar 2019 10:52

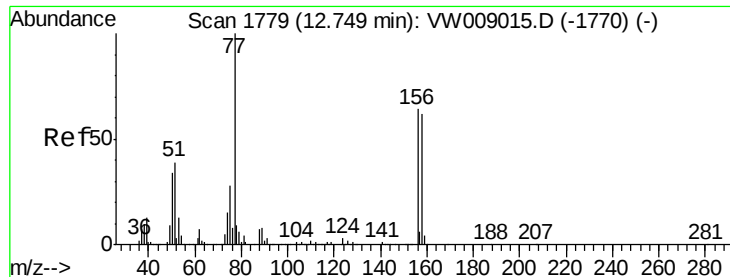
Tgt Ion: 75 Resp: 15683

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.687 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

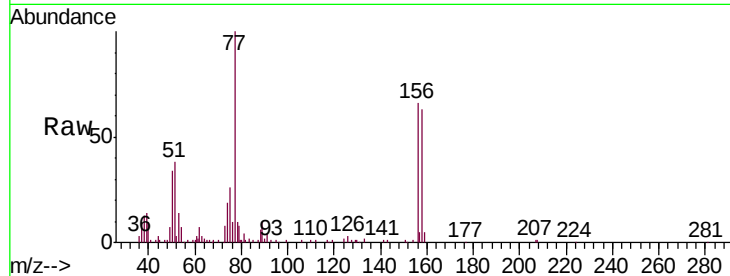
Tgt Ion:156 Resp: 16804

Ion Ratio Lower Upper

156 100

77 179.7 91.6 274.9

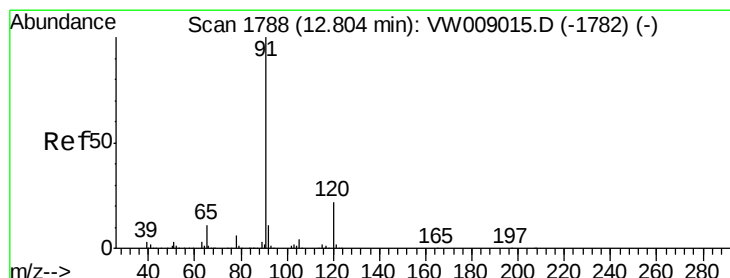
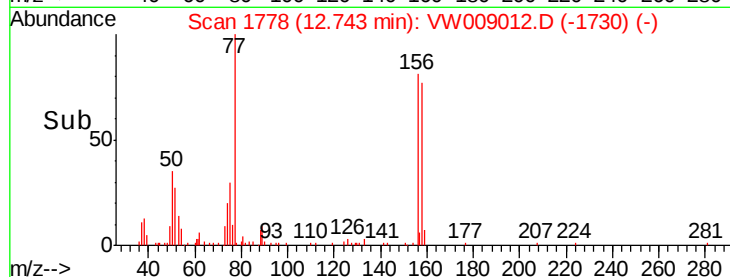
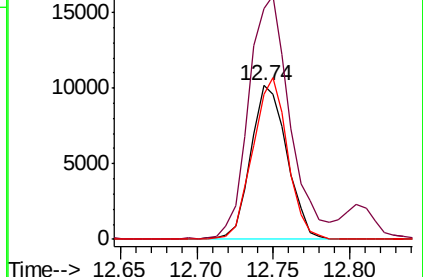
158 101.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.440 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009012.D

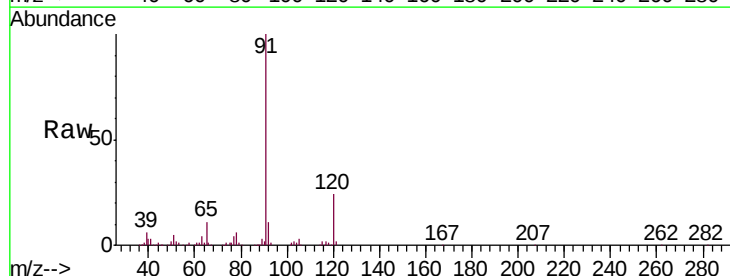
Acq: 06 Mar 2019 10:52

Tgt Ion: 91 Resp: 86333

Ion Ratio Lower Upper

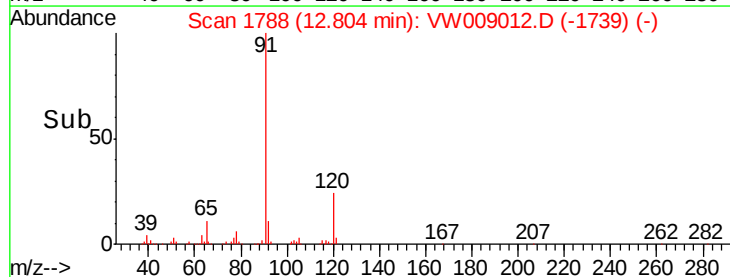
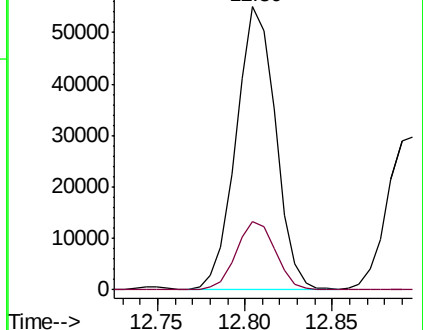
91 100

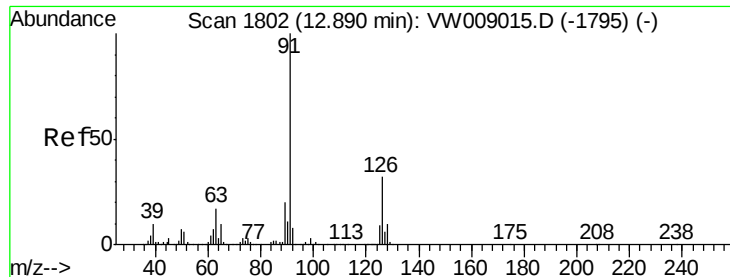
120 24.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.611 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

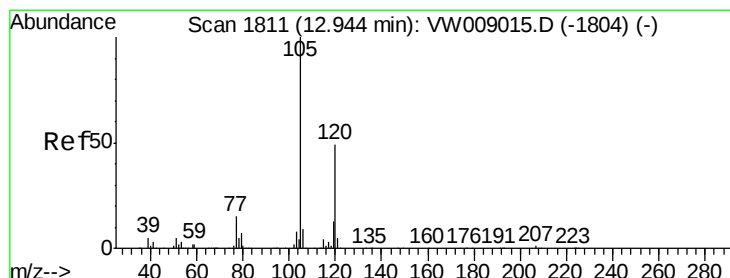
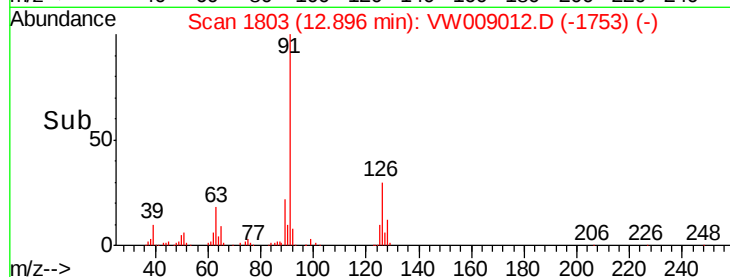
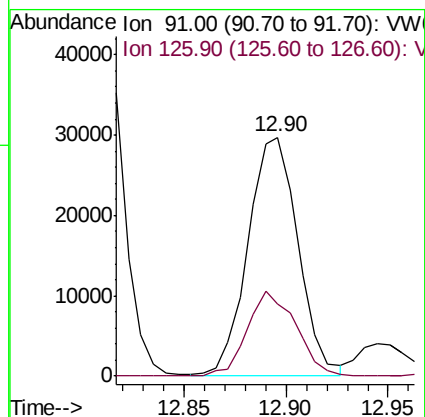
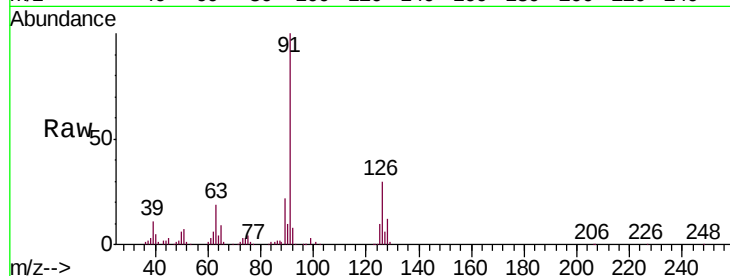
VSTDIC005

Tgt Ion: 91 Resp: 50625

Ion Ratio Lower Upper

91 100

126 34.8 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 4.393 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009012.D

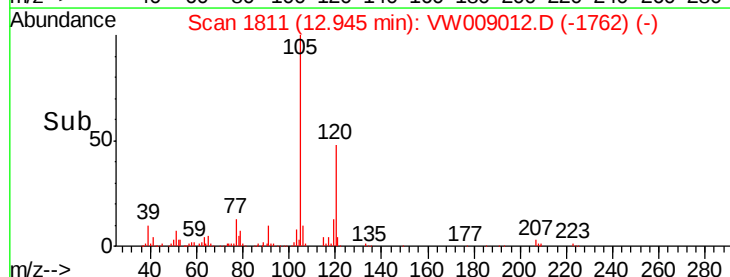
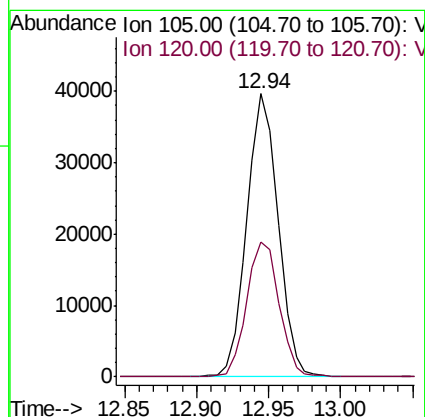
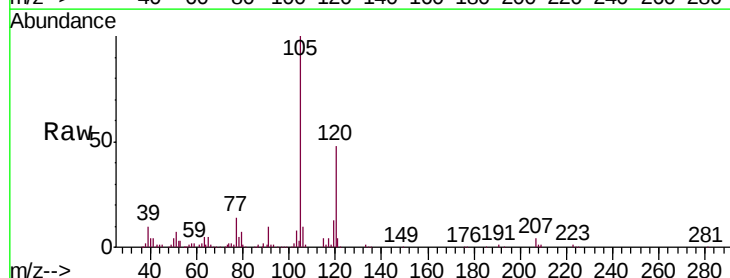
Acq: 06 Mar 2019 10:52

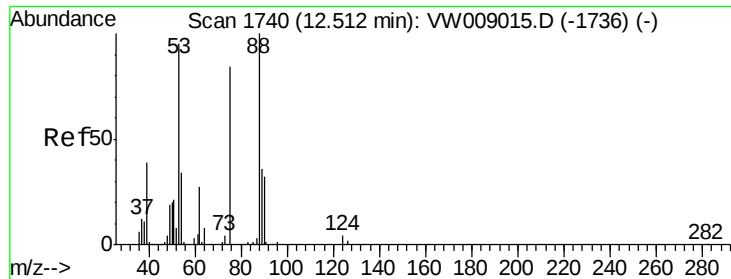
Tgt Ion: 105 Resp: 59705

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8

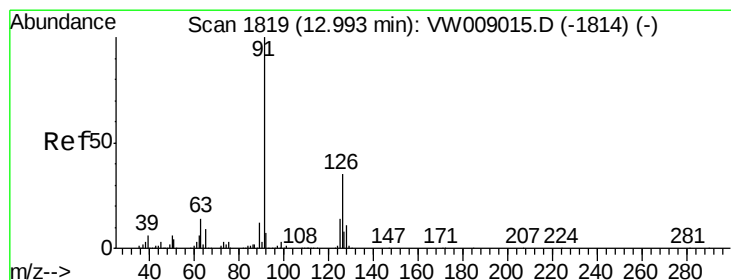
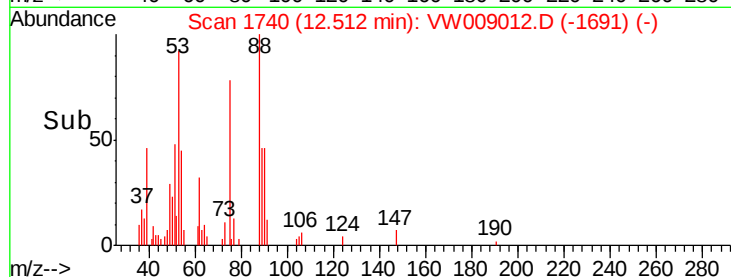
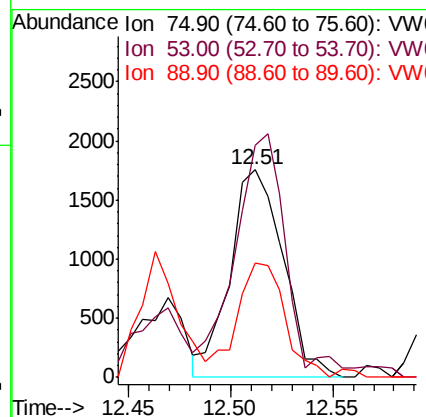
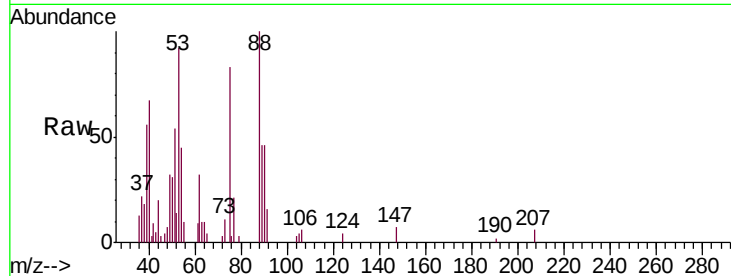




#81
trans-1,4-Dichloro-2-butene
Concen: 4.183 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

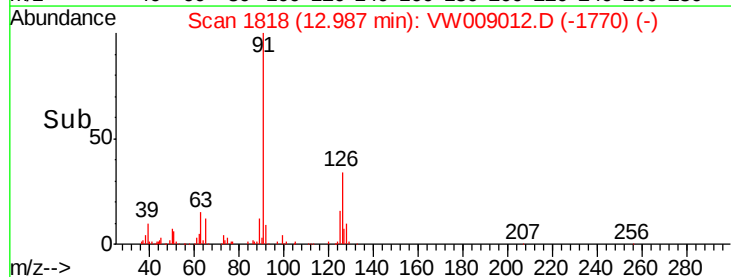
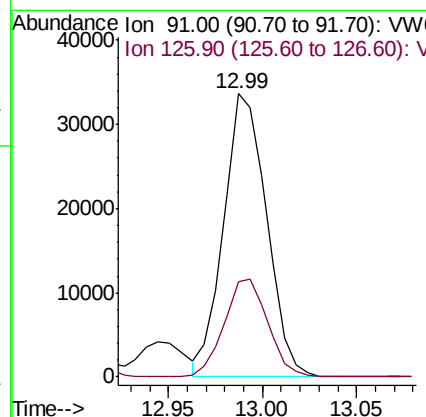
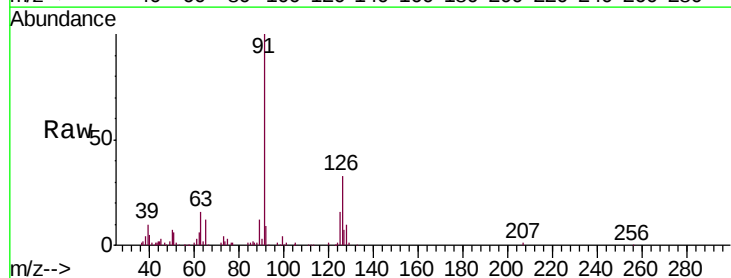
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

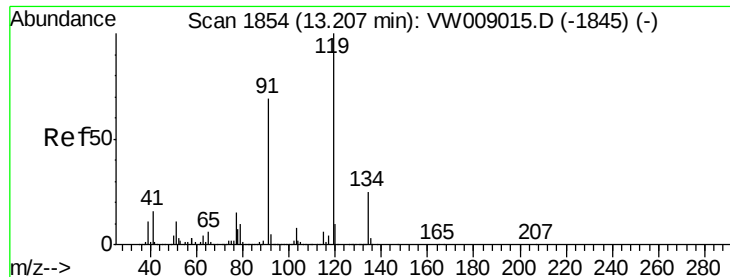
Tgt Ion: 75 Resp: 3165
Ion Ratio Lower Upper
75 100
53 105.3 88.5 132.7
89 49.7 36.3 54.5



#82
4-Chlorotoluene
Concen: 4.557 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 91 Resp: 53218
Ion Ratio Lower Upper
91 100
126 35.2 16.9 50.6

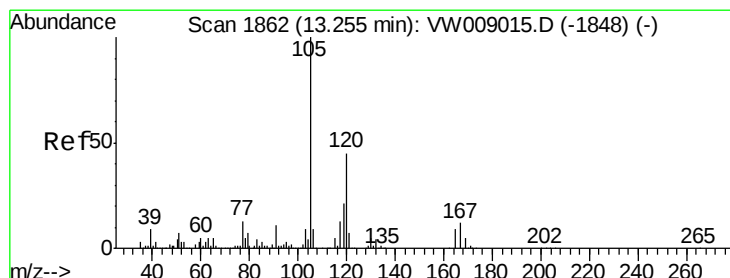
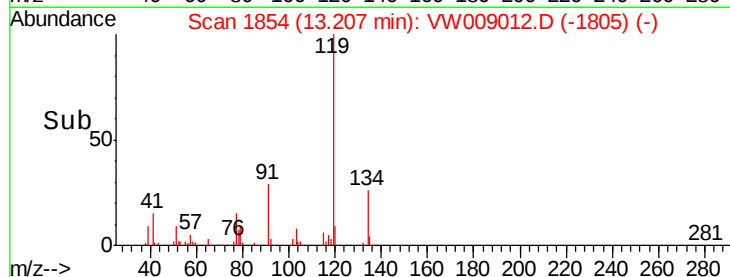
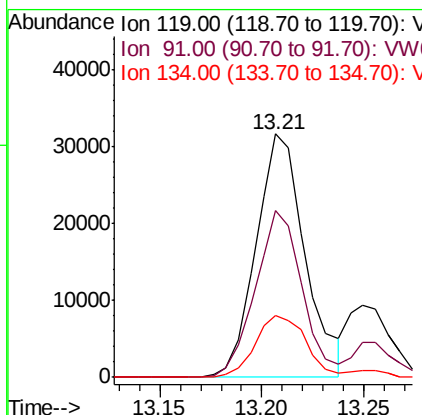
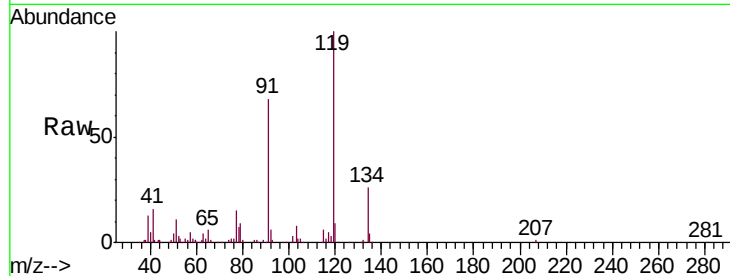




#83
 tert-Butylbenzene
 Concen: 4.533 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

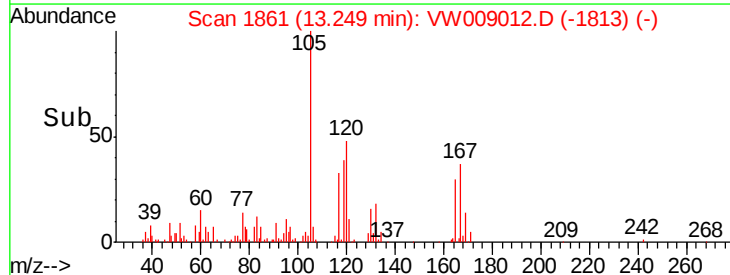
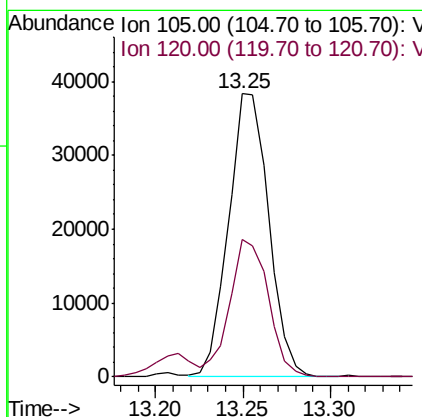
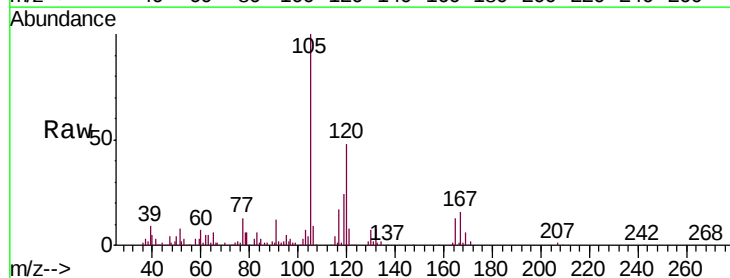
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

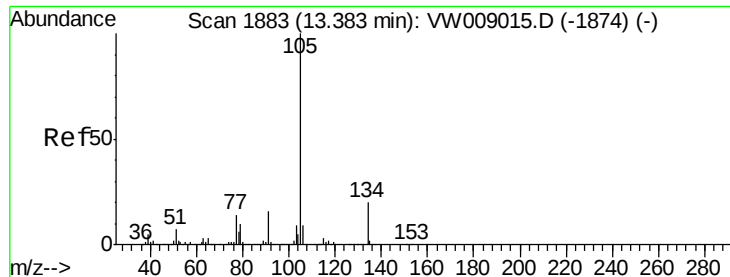
Tgt Ion:119 Resp: 53084
 Ion Ratio Lower Upper
 119 100
 91 65.3 34.3 102.9
 134 26.4 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 4.375 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion:105 Resp: 60878
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.6 67.7

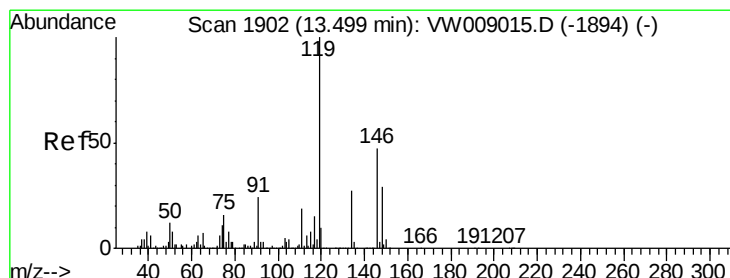
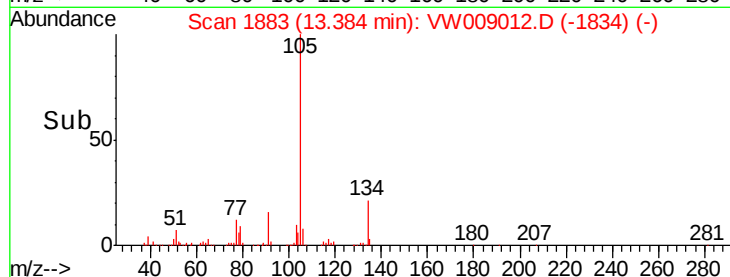
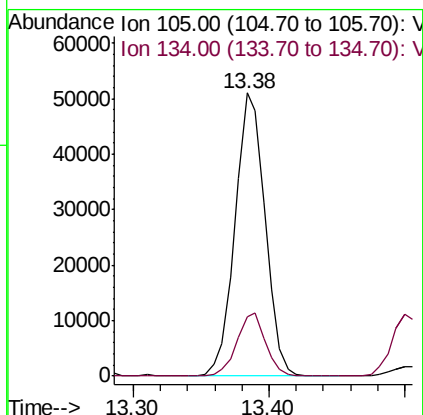
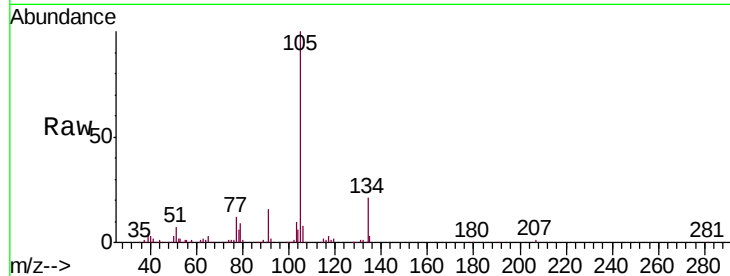




#85
 sec-Butylbenzene
 Concen: 4.591 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

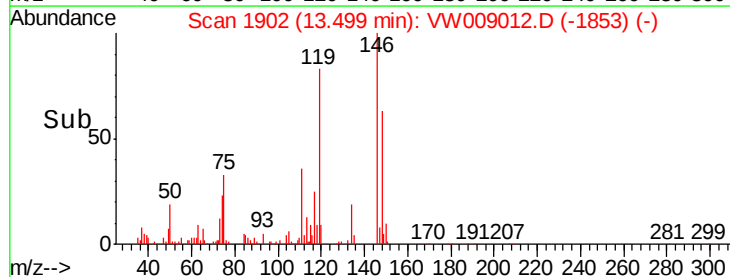
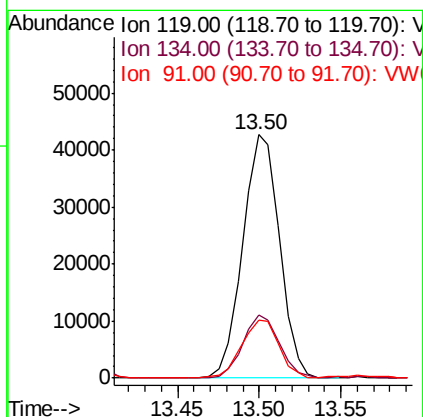
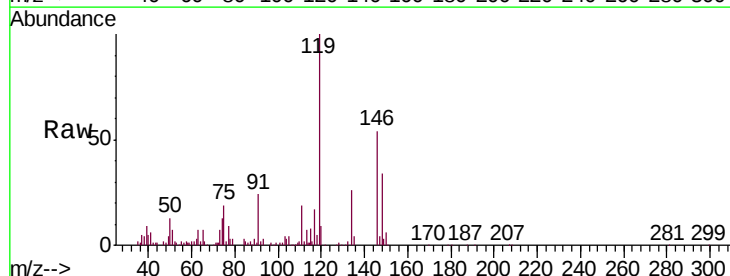
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

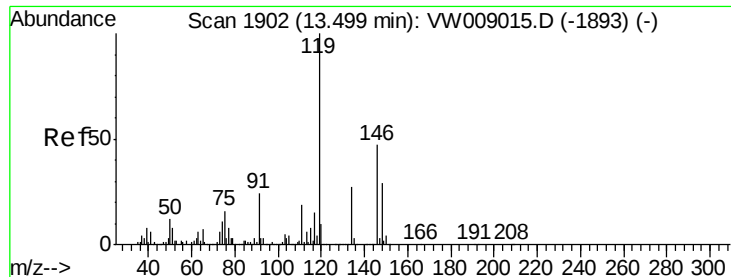
Tgt Ion:105 Resp: 78433
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 4.368 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion:119 Resp: 67174
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 24.4 12.1 36.3

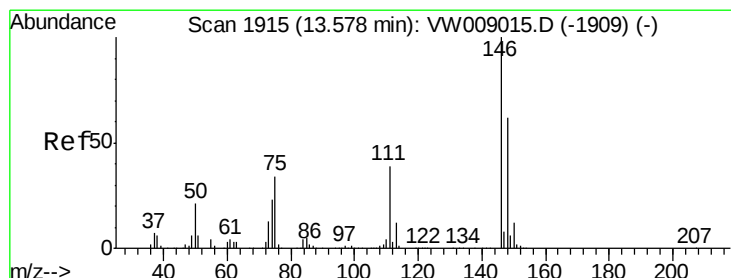
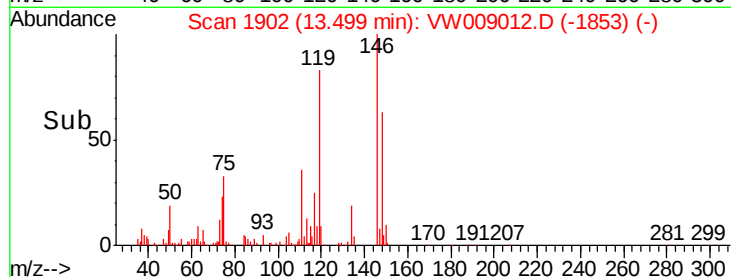
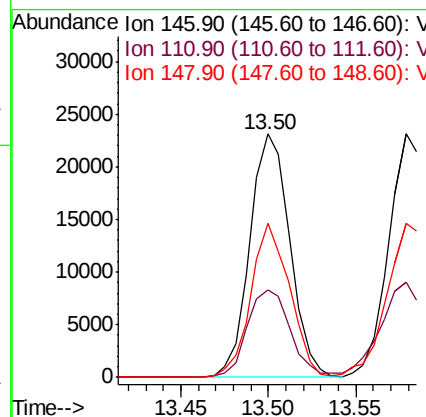
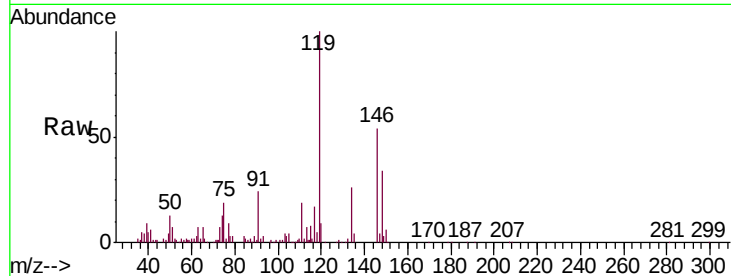




#87
 1,3-Dichlorobenzene
 Concen: 4.815 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

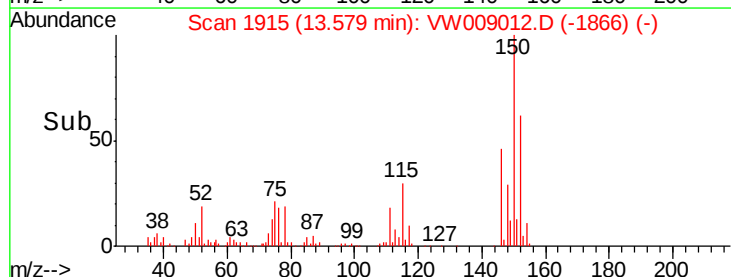
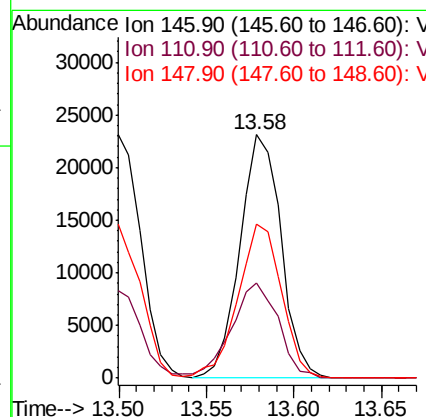
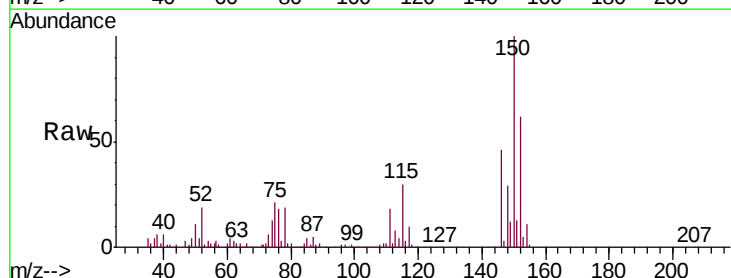
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

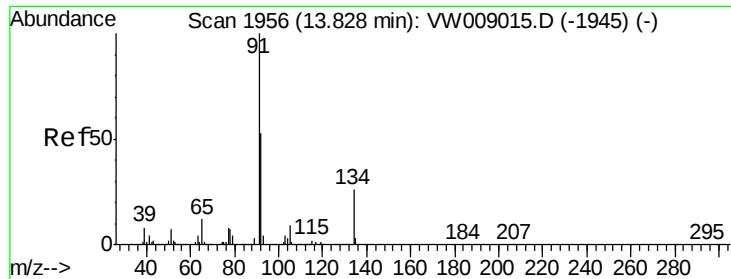
Tgt Ion:146 Resp: 36962
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 61.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 4.990 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion:146 Resp: 37989
 Ion Ratio Lower Upper
 146 100
 111 44.1 19.9 59.7
 148 66.8 31.7 95.1

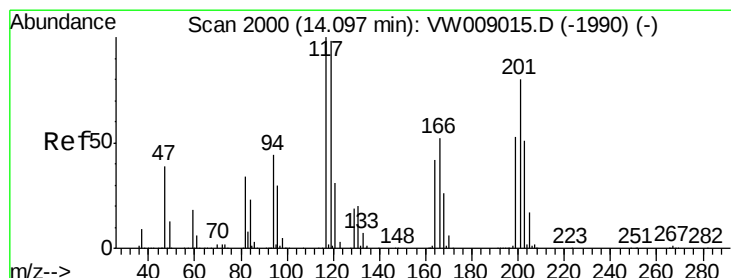
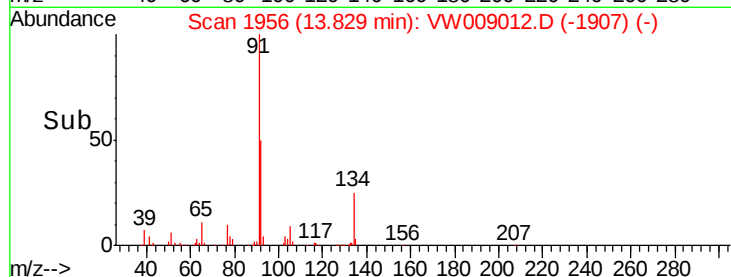
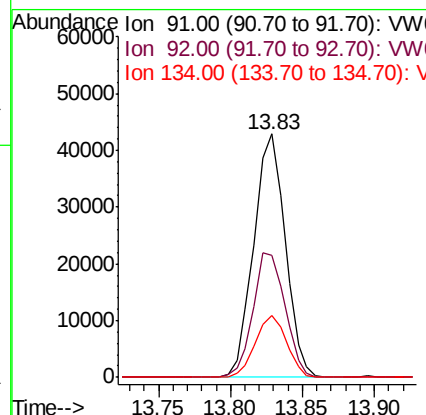
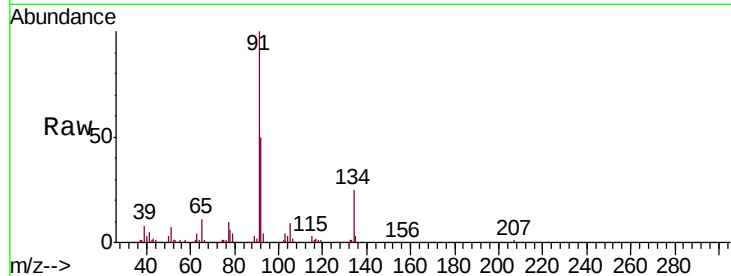




#89
n-Butylbenzene
Concen: 4.461 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

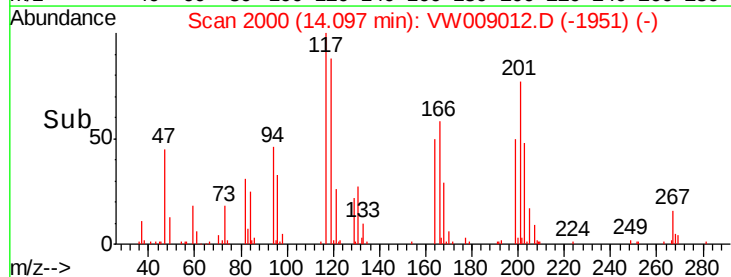
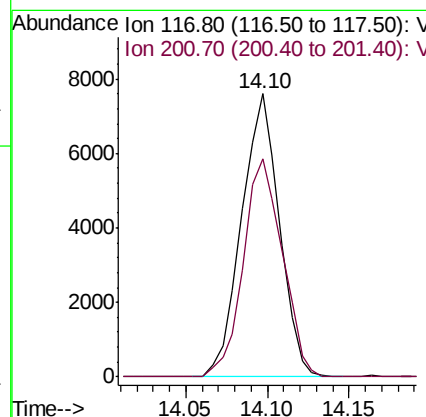
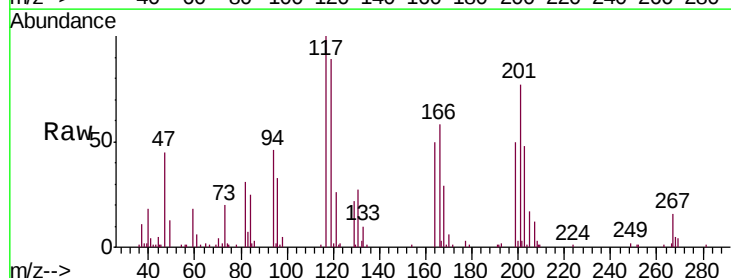
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

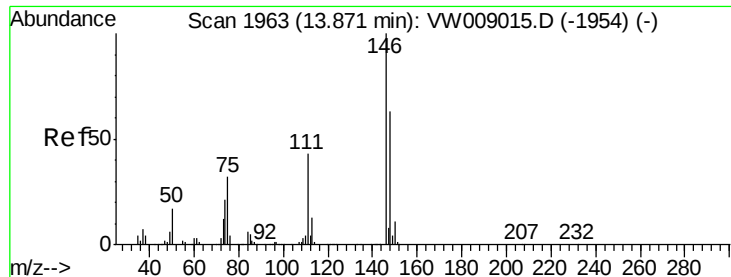
Tgt Ion: 91 Resp: 64946
Ion Ratio Lower Upper
91 100
92 52.2 26.7 80.0
134 25.3 13.0 39.0



#90
Hexachloroethane
Concen: 4.659 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 117 Resp: 12274
Ion Ratio Lower Upper
117 100
201 79.8 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 4.925 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

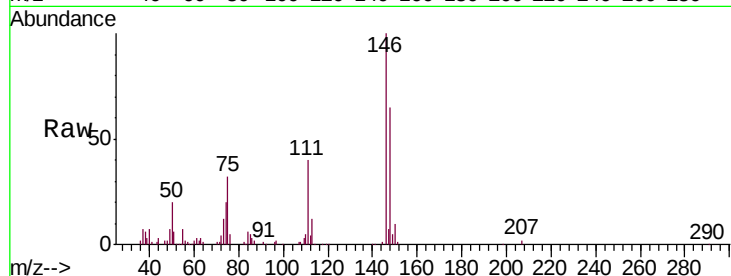
Tgt Ion:146 Resp: 33075

Ion Ratio Lower Upper

146 100

111 39.1 20.8 62.4

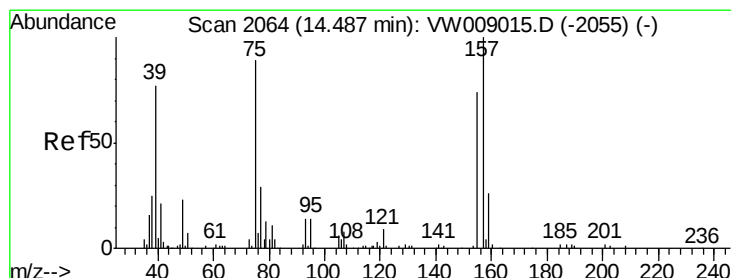
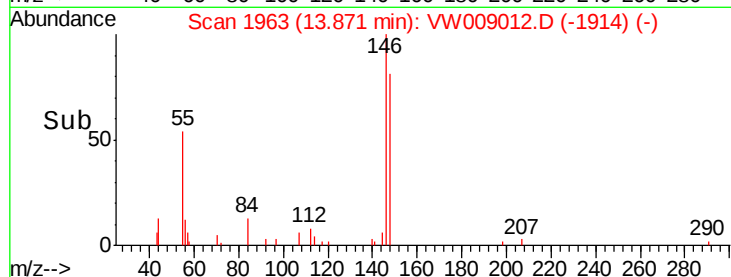
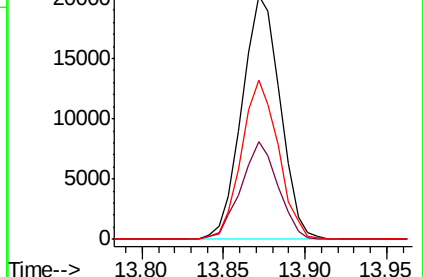
148 62.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.839 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

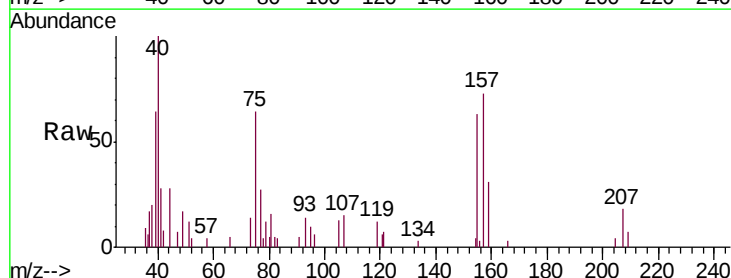
Tgt Ion: 75 Resp: 2185

Ion Ratio Lower Upper

75 100

155 85.6 41.4 124.4

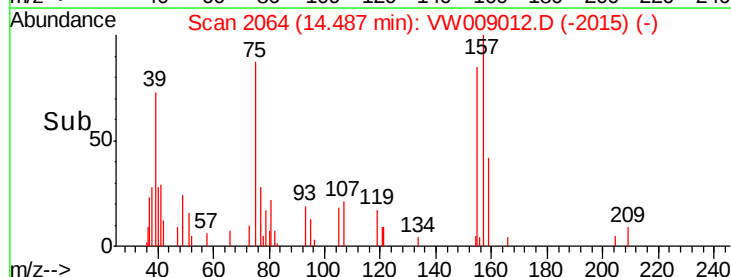
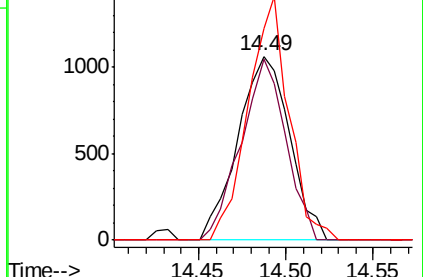
157 103.9 53.1 159.4

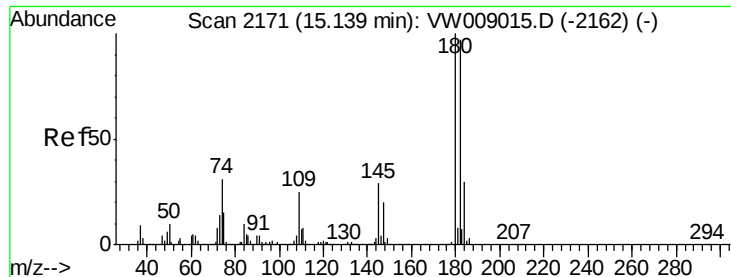


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

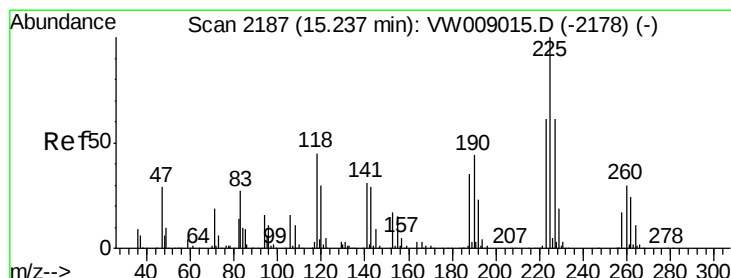
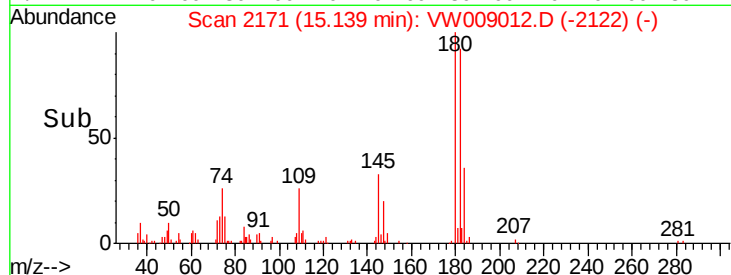
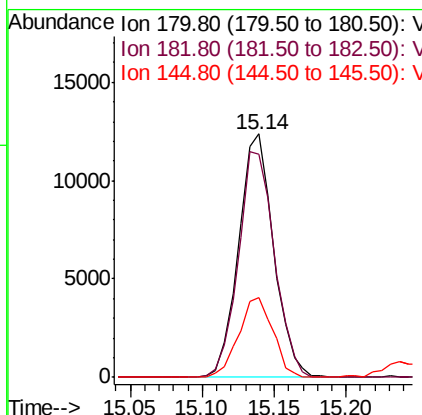
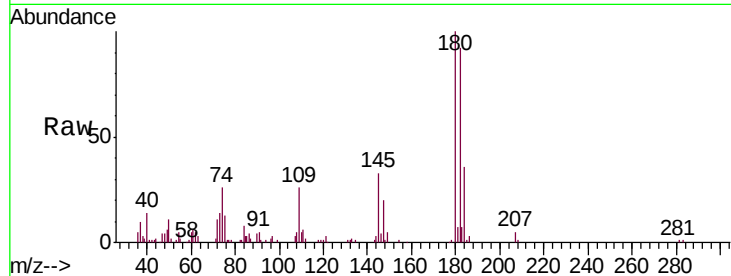




#93
 1,2,4-Trichlorobenzene
 Concen: 4.533 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

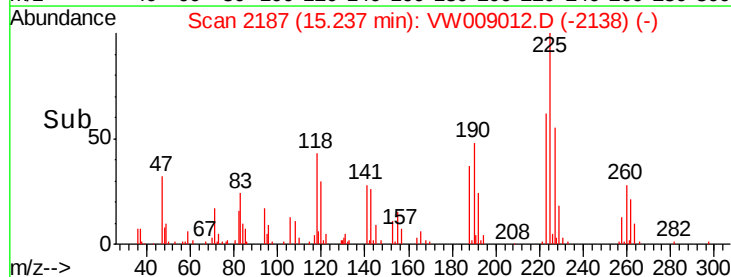
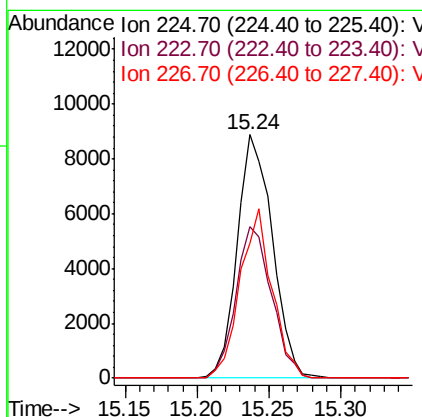
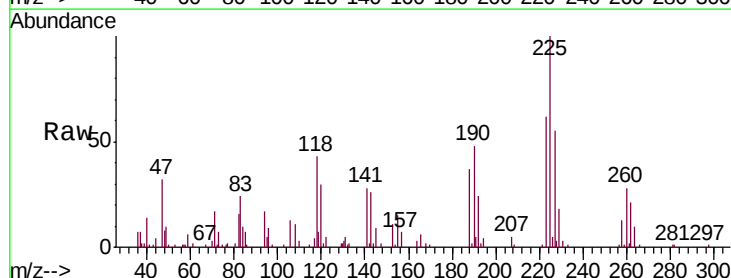
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

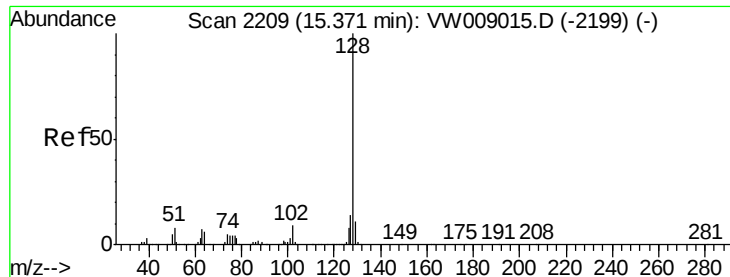
Tgt Ion:180 Resp: 20845
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.6 142.9
 145 32.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 5.156 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion:225 Resp: 15070
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.6 91.8
 227 63.4 31.2 93.6

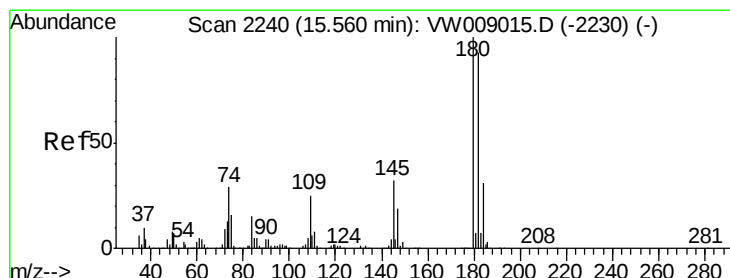
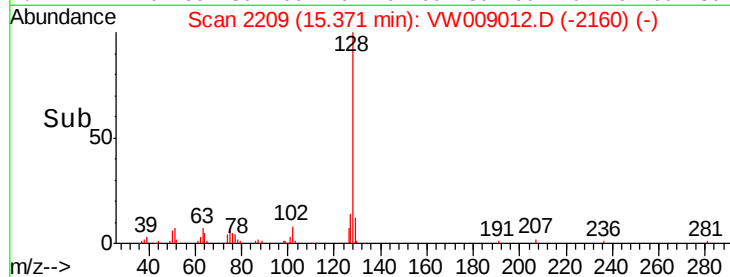
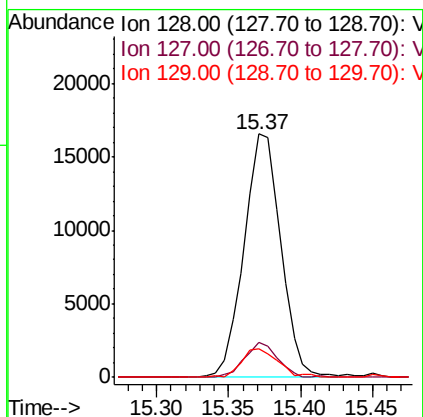
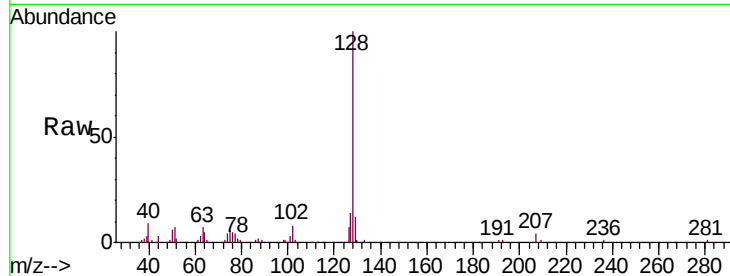




#95
Naphthalene
Concen: 3.930 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 29305
Ion Ratio Lower Upper
128 100
127 12.8 11.0 16.4
129 11.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.635 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:180 Resp: 18456
Ion Ratio Lower Upper
180 100
182 87.8 47.3 141.8
145 29.2 15.4 46.2

