

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009038.D
 Acq On : 07 Mar 2019 14:20
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 08 03:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	14183	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	7.88	113	11352	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
50) Toluene-d8	10.32	98	49489	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
62) 4-Bromofluorobenzene	12.62	95	20188	5.41	ug/l	0.00
Spiked Amount			Recovery	=	10.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	15647	5.815	ug/l	99
3) Chloromethane	2.21	50	19849	5.862	ug/l	98
4) Vinyl Chloride	2.35	62	19599	5.638	ug/l	96
5) Bromomethane	2.76	94	16270	5.496	ug/l	98
6) Chloroethane	2.92	64	14167	5.700	ug/l #	87
7) Trichlorofluoromethane	3.26	101	24111	5.429	ug/l	96
8) Diethyl Ether	3.69	74	7738	5.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15855	5.741	ug/l	100
10) Methyl Iodide	4.27	142	12507	4.766	ug/l	95
11) Tert butyl alcohol	5.17	59	1064	5.557	ug/l #	29
12) 1,1-Dichloroethene	4.04	96	12708	5.286	ug/l	85
13) Acrolein	3.89	56	5869	25.604	ug/l	100
14) Allyl chloride	4.68	41	23306	5.591	ug/l	99
15) Acrylonitrile	5.37	53	15097	24.995	ug/l	95
16) Acetone	4.13	43	16011	26.139	ug/l	97
17) Carbon Disulfide	4.38	76	42621	5.290	ug/l	100
18) Methyl Acetate	4.67	43	7832	5.563	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	32757	5.168	ug/l	96
20) Methylene Chloride	4.92	84	28290	8.113	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	14748	5.311	ug/l #	93
22) Diisopropyl ether	6.31	45	43006	5.123	ug/l #	90
23) Vinyl Acetate	6.26	43	125473	23.977	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26318	5.406	ug/l	99
25) 2-Butanone	7.17	43	22499	27.059	ug/l	98
26) 2,2-Dichloropropane	7.17	77	24332	5.470	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	15692	5.305	ug/l	93
28) Bromochloromethane	7.52	49	11119	5.518	ug/l	93
29) Tetrahydrofuran	7.53	42	13703	25.705	ug/l	94
30) Chloroform	7.68	83	27066	5.440	ug/l	95
31) Cyclohexane	7.95	56	32165	6.493	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	25508	5.568	ug/l	97
36) 1,1-Dichloropropene	8.09	75	22374	5.683	ug/l	97
37) Ethyl Acetate	7.26	43	10580	5.720	ug/l #	79
38) Carbon Tetrachloride	8.07	117	22365	5.482	ug/l	97

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 Data File : VW009038.D
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 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 08 03:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24797	5.259	ug/l	97
40) Benzene	8.32	78	59064	5.643	ug/l	99
41) Methacrylonitrile	7.49	41	4839	4.965	ug/l	98
42) 1,2-Dichloroethane	8.40	62	18298	5.364	ug/l	88
43) Isopropyl Acetate	8.43	43	17875	5.167	ug/l	97
44) Trichloroethene	9.09	130	16860	5.729	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15240	5.853	ug/l	100
46) Dibromomethane	9.46	93	7512	5.194	ug/l	91
47) Bromodichloromethane	9.64	83	19457	5.337	ug/l	97
48) Methyl methacrylate	9.44	41	7305	4.478	ug/l #	79
49) 1,4-Dioxane	9.46	88	2391	112.608	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	43514	24.677	ug/l	99
52) Toluene	10.39	92	38823	5.438	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	17905	4.939	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	21372	5.167	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10874	5.548	ug/l	92
56) Ethyl methacrylate	10.65	69	11215	4.564	ug/l	90
57) 1,3-Dichloropropane	10.93	76	18590	5.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30254	23.693	ug/l	98
59) 2-Hexanone	10.97	43	29618	23.791	ug/l	99
60) Dibromochloromethane	11.13	129	12619	5.241	ug/l	95
61) 1,2-Dibromoethane	11.23	107	10559	5.544	ug/l	95
64) Tetrachloroethene	10.86	164	14776	5.519	ug/l	94
65) Chlorobenzene	11.66	112	45256	5.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	13927	5.258	ug/l	93
67) Ethyl Benzene	11.73	91	78689	5.513	ug/l	96
68) m/p-Xylenes	11.84	106	60661	10.753	ug/l	98
69) o-Xylene	12.16	106	27787	5.283	ug/l	99
70) Styrene	12.18	104	42560	4.971	ug/l	97
71) Bromoform	12.35	173	7155	4.982	ug/l #	96
73) Isopropylbenzene	12.46	105	75170	5.214	ug/l	99
74) N-amyl acetate	12.27	43	16035	4.652	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	12035	5.248	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	16726	7.403	ug/l #	1
77) Bromobenzene	12.74	156	18252	5.536	ug/l	96
78) n-propylbenzene	12.80	91	92836	5.245	ug/l	100
79) 2-Chlorotoluene	12.89	91	53738	5.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	64260	5.171	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3361	4.726	ug/l	99
82) 4-Chlorotoluene	12.99	91	57890	5.463	ug/l	99
83) tert-Butylbenzene	13.21	119	54040	5.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	65292	5.205	ug/l	98
85) sec-Butylbenzene	13.38	105	80983	5.236	ug/l	99
86) p-Isopropyltoluene	13.50	119	70988	5.121	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	38660	5.592	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39029	5.715	ug/l	95
89) n-Butylbenzene	13.83	91	68154	5.157	ug/l	98
90) Hexachloroethane	14.09	117	13069	5.473	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	35352	5.838	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2118	4.975	ug/l	97

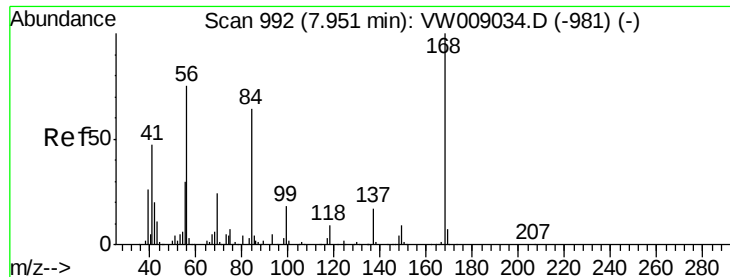
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
Data File : VW009038.D
Acq On : 07 Mar 2019 14:20
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 08 03:27:18 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22919	5.535	ug/l	97
94) Hexachlorobutadiene	15.24	225	15152	5.854	ug/l	99
95) Naphthalene	15.37	128	32439	4.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20748	5.706	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

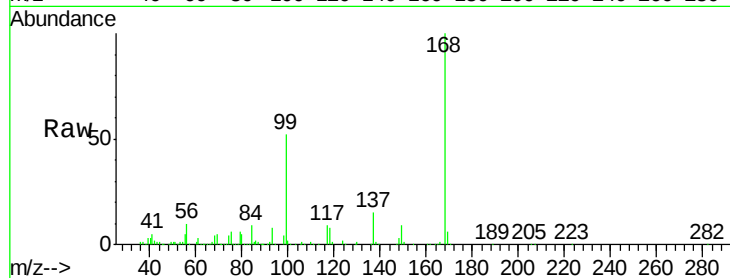
VSTDIC005

Tgt Ion:168 Resp: 267382

Ion Ratio Lower Upper

168 100

99 51.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

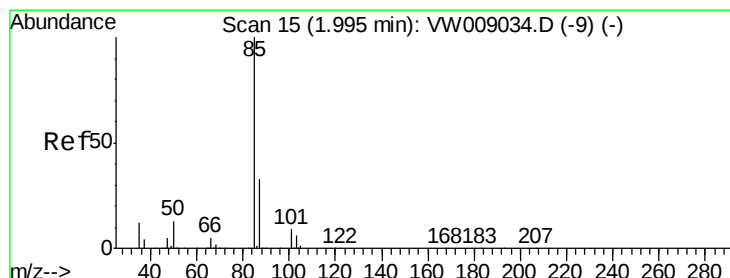
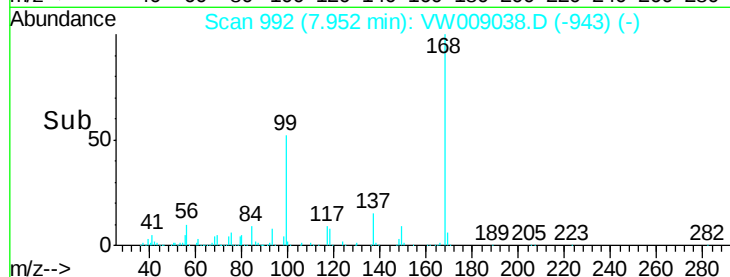
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.815 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009038.D

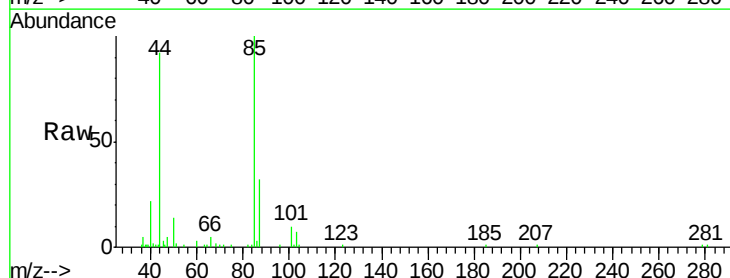
Acq: 07 Mar 2019 14:20

Tgt Ion: 85 Resp: 15647

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

4000

2000

0

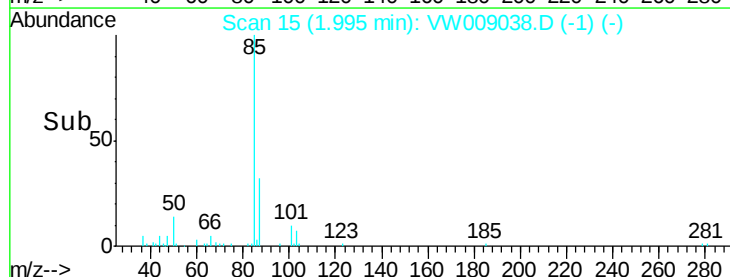
1.95

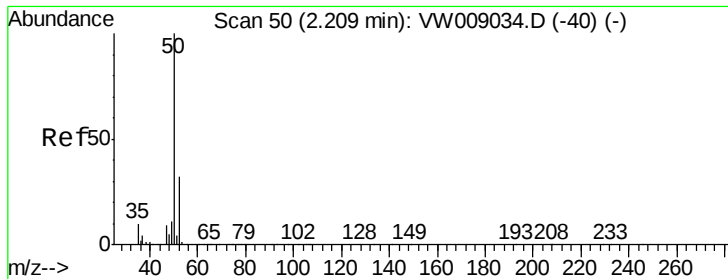
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 5.862 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

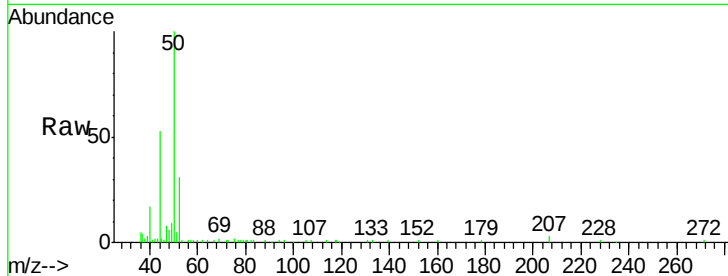
VSTDIC005

Tgt Ion: 50 Resp: 19849

Ion Ratio Lower Upper

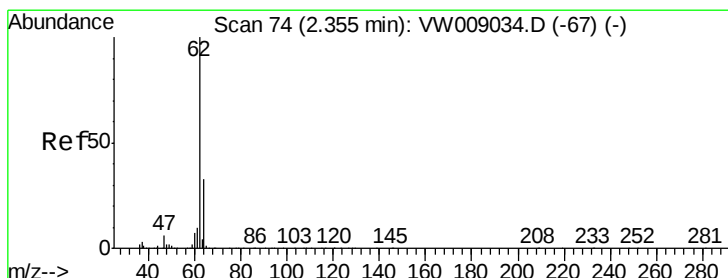
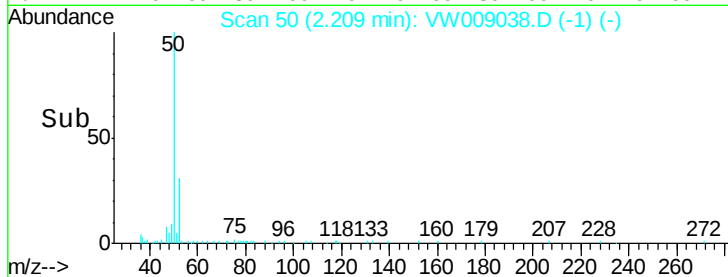
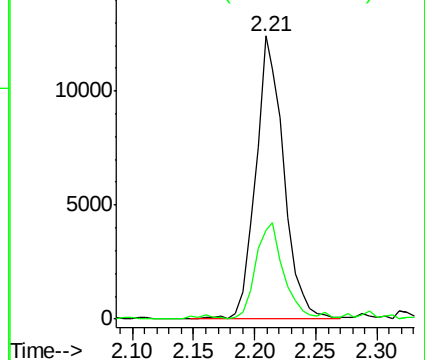
50 100

52 30.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.638 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009038.D

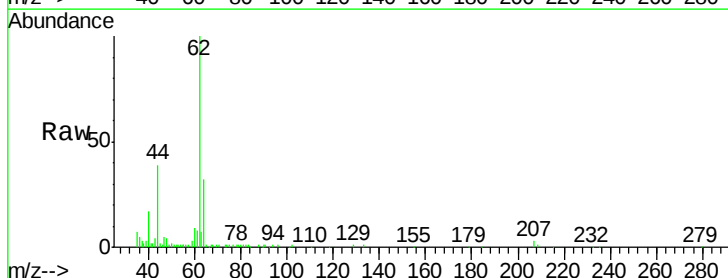
Acq: 07 Mar 2019 14:20

Tgt Ion: 62 Resp: 19599

Ion Ratio Lower Upper

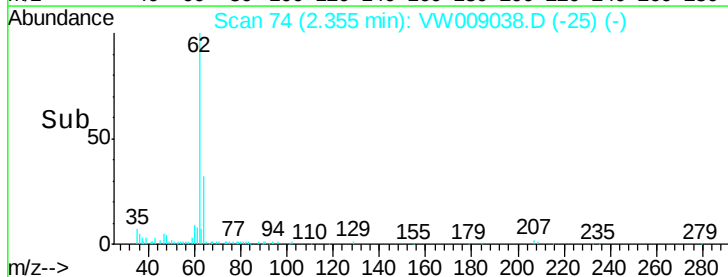
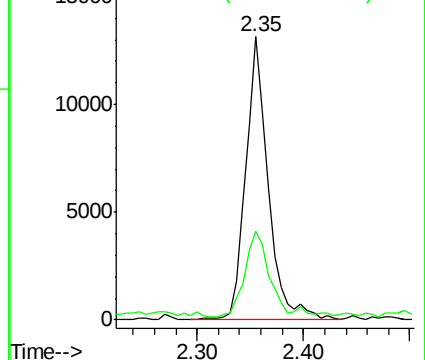
62 100

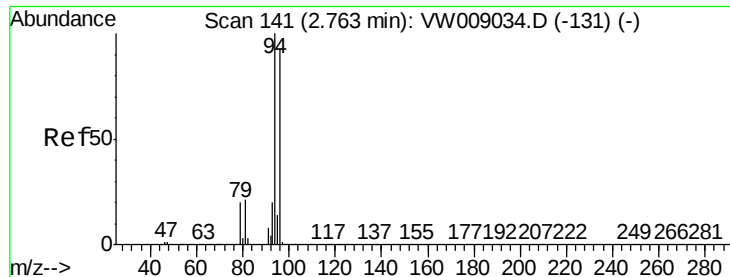
64 30.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 5.496 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

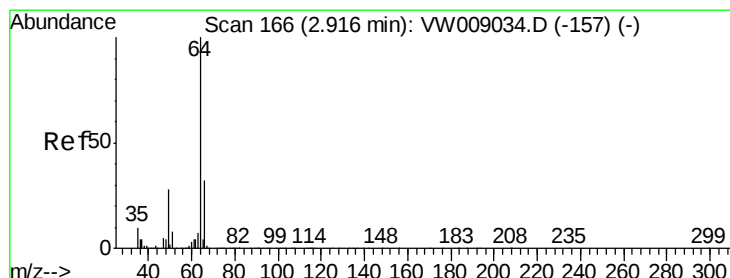
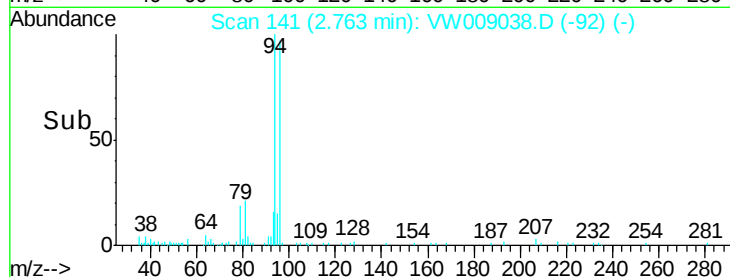
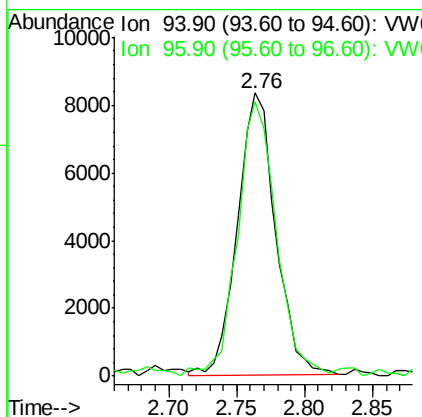
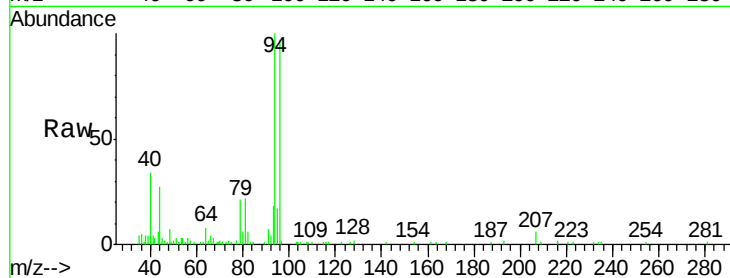
VSTDIC005

Tgt Ion: 94 Resp: 16270

Ion Ratio Lower Upper

94 100

96 95.2 74.4 111.6



#6

Chloroethane

Concen: 5.700 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009038.D

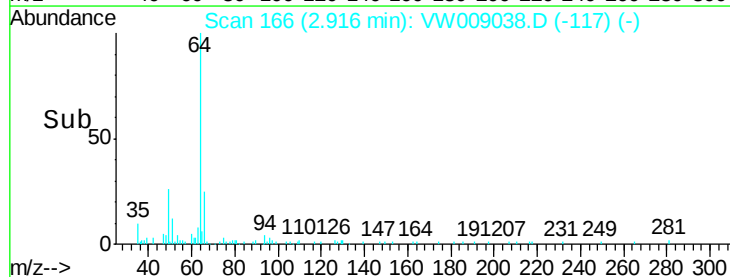
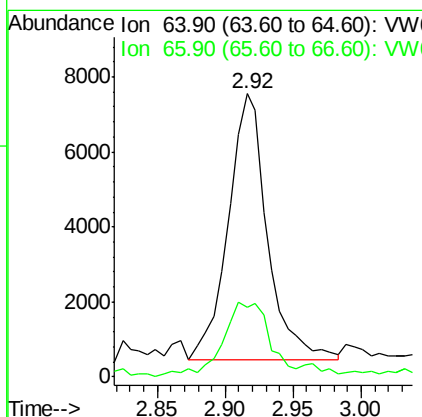
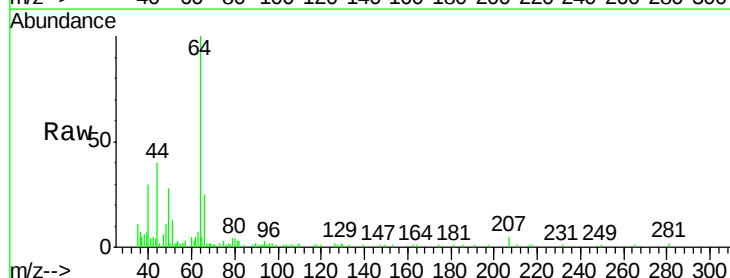
Acq: 07 Mar 2019 14:20

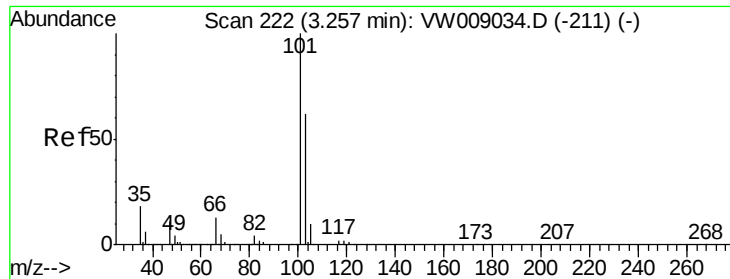
Tgt Ion: 64 Resp: 14167

Ion Ratio Lower Upper

64 100

66 24.9 25.5 38.3#



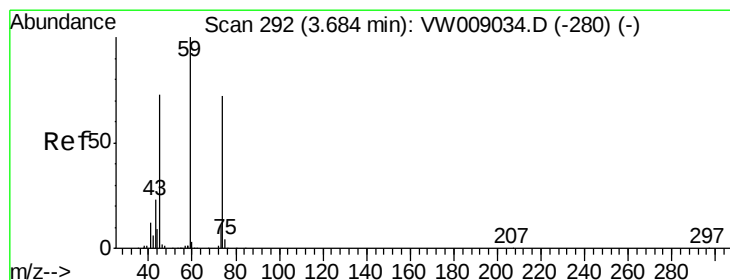
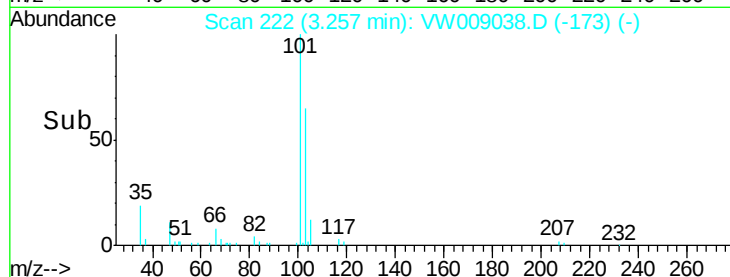
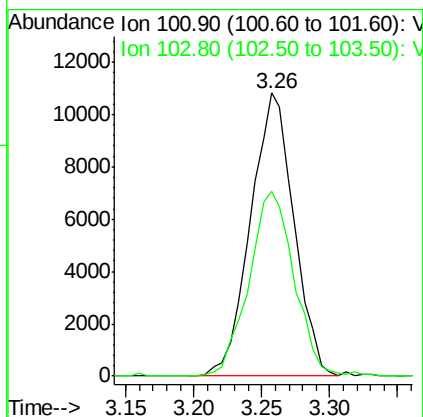
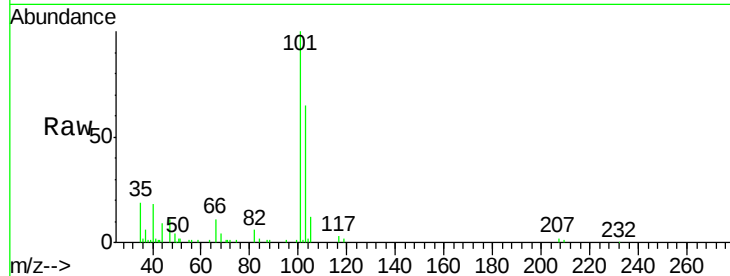


#7

Trichlorofluoromethane
 Concen: 5.429 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

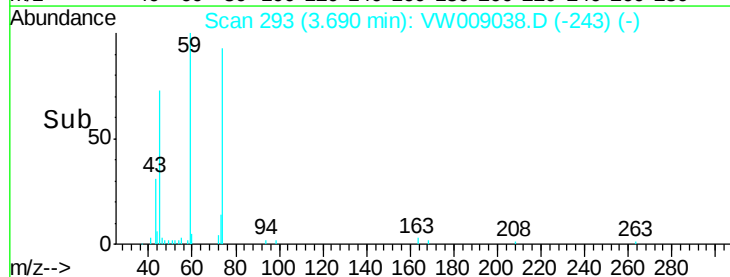
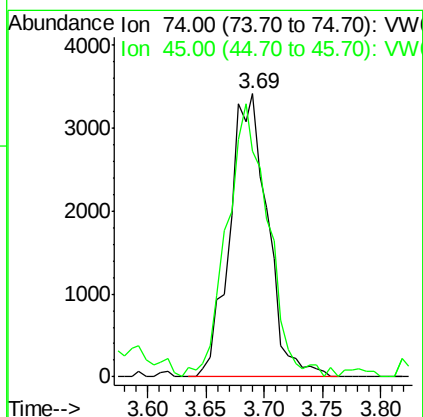
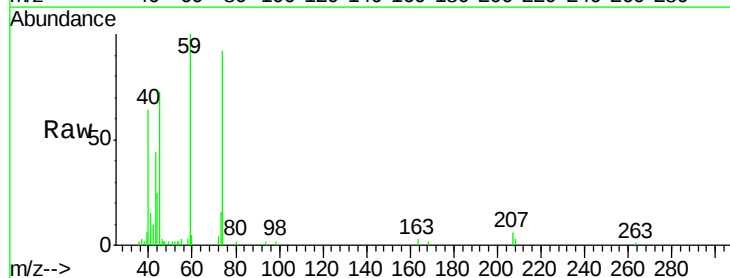
Tgt Ion:101 Resp: 24111
 Ion Ratio Lower Upper
 101 100
 103 65.2 49.9 74.9

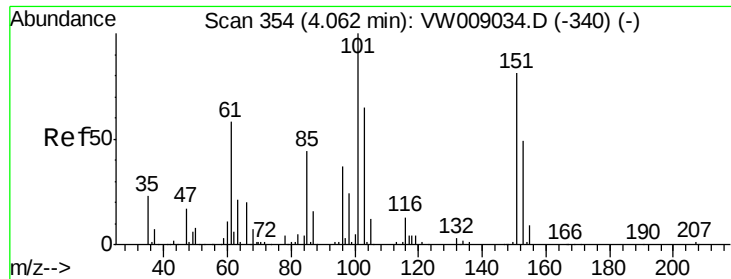


#8

Diethyl Ether
 Concen: 5.777 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 74 Resp: 7738
 Ion Ratio Lower Upper
 74 100
 45 104.0 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.741 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

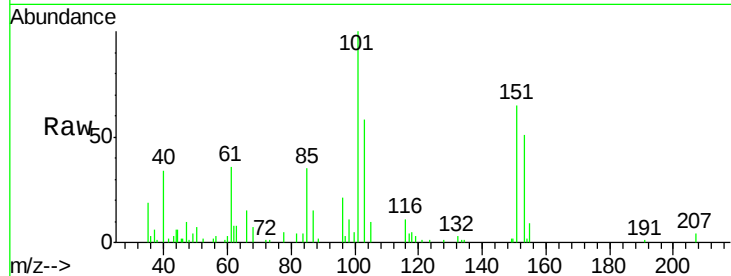
Tgt Ion:101 Resp: 15855

Ion Ratio Lower Upper

101 100

85 45.3 36.2 54.4

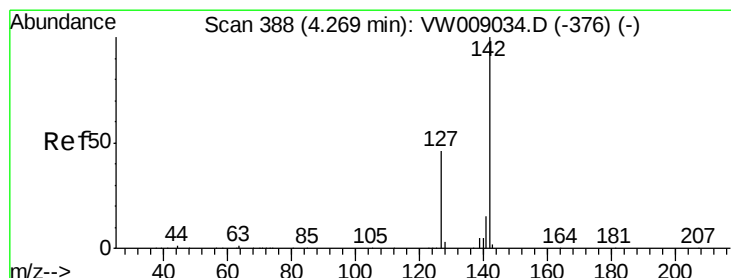
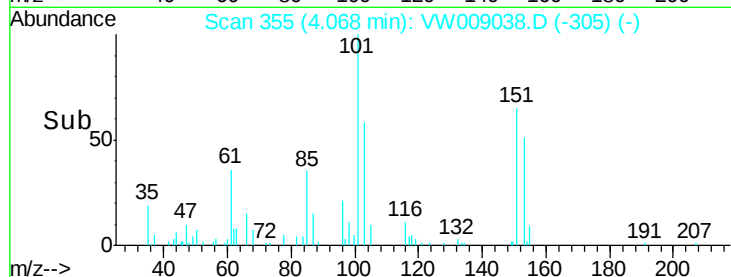
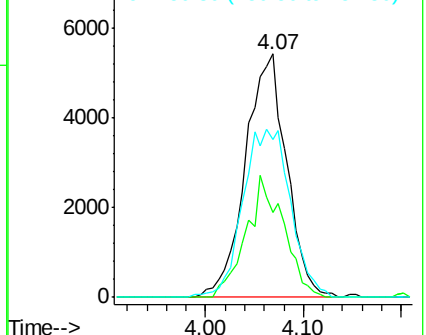
151 79.9 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.766 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

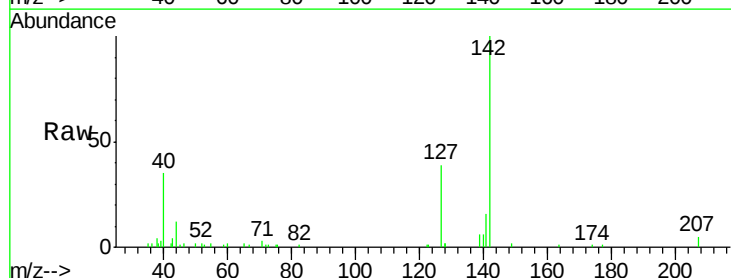
Tgt Ion:142 Resp: 12507

Ion Ratio Lower Upper

142 100

127 47.5 35.8 53.6

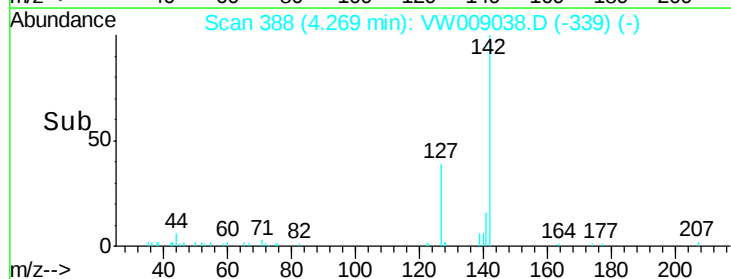
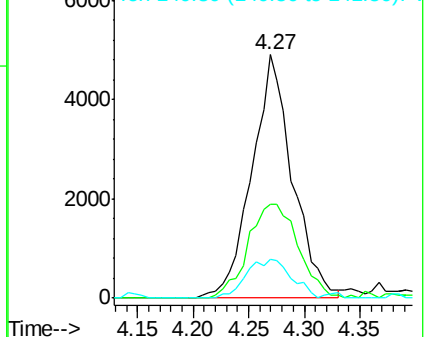
141 17.6 11.8 17.8

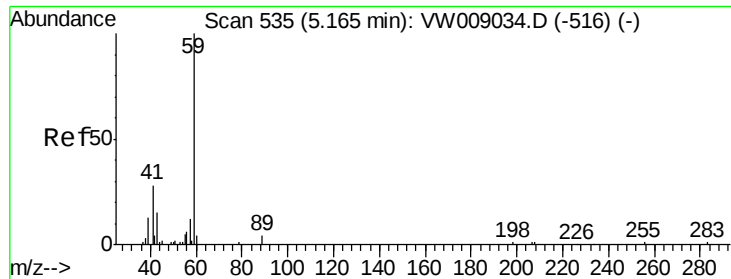


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

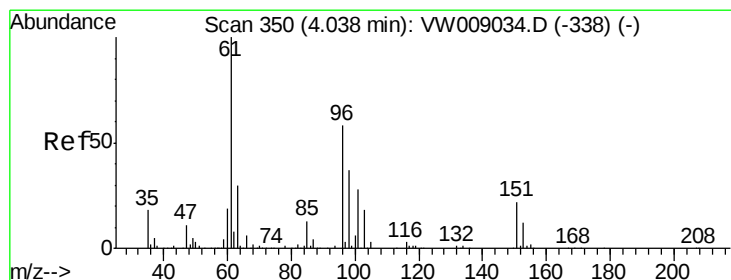
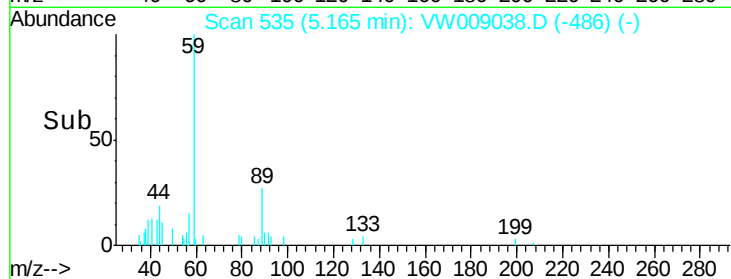
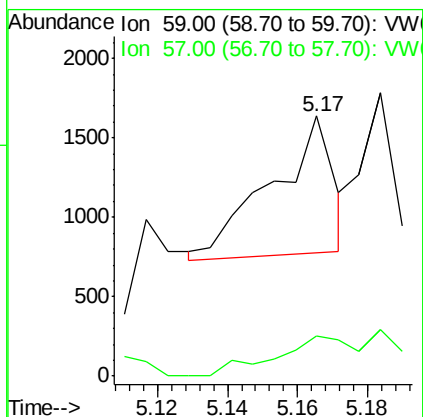
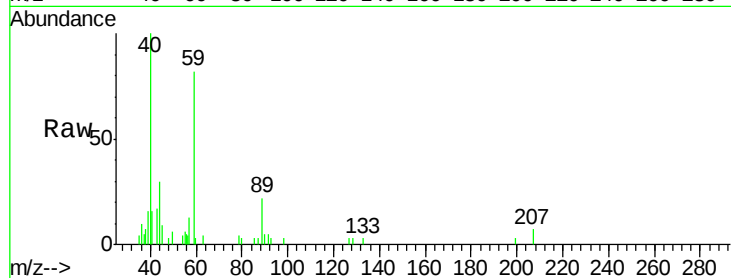




#11
Tert butyl alcohol
Concen: 5.557 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

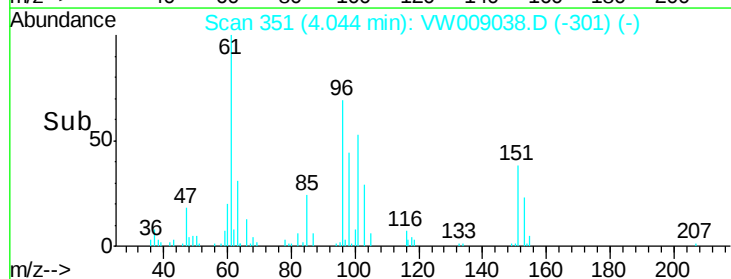
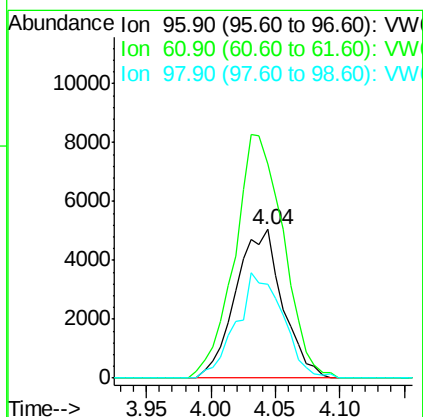
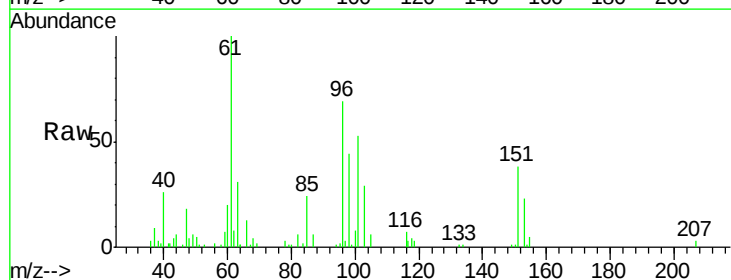
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

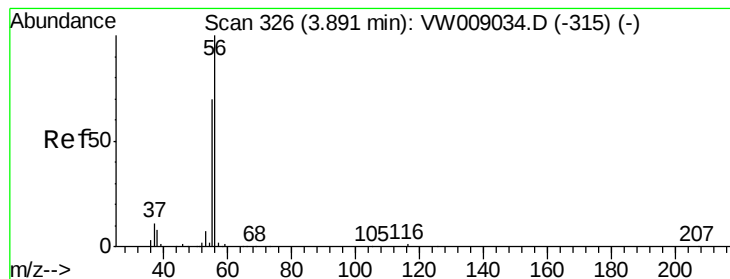
Tgt Ion: 59 Resp: 1064
Ion Ratio Lower Upper
59 100
57 37.5 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 5.286 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 96 Resp: 12708
Ion Ratio Lower Upper
96 100
61 144.1 138.2 207.2
98 63.3 51.3 76.9





#13

Acrolein

Concen: 25.604 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

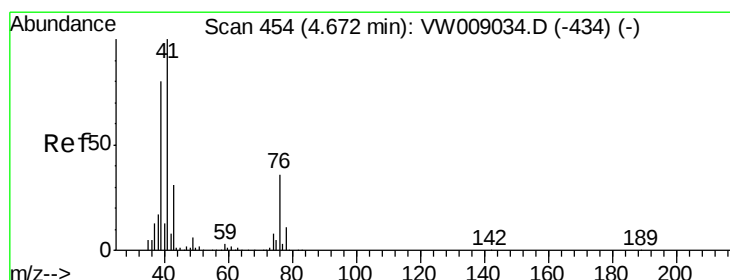
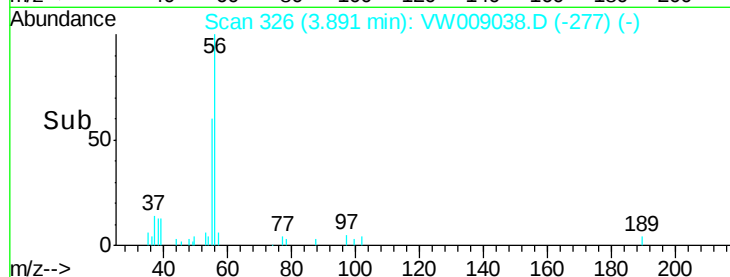
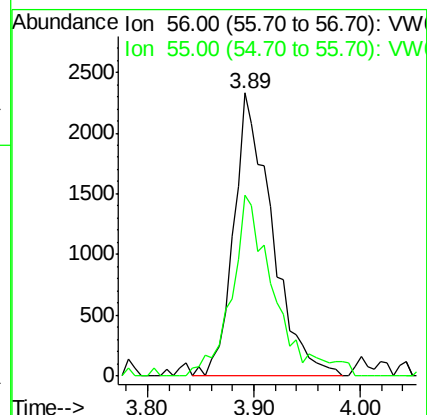
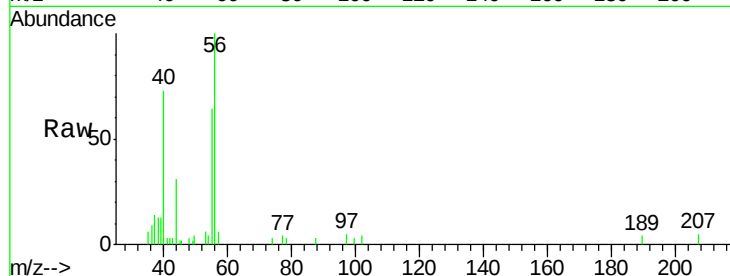
VSTDIC005

Tgt Ion: 56 Resp: 5869

Ion Ratio Lower Upper

56 100

55 70.5 56.6 84.8



#14

Allyl chloride

Concen: 5.591 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

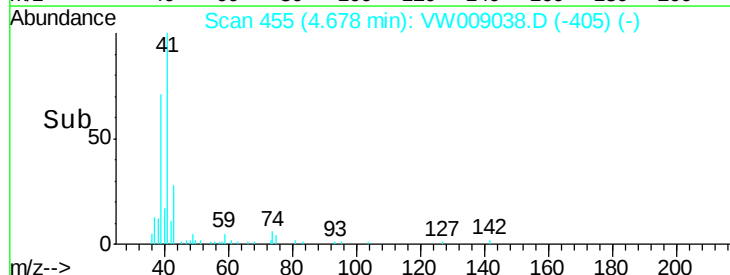
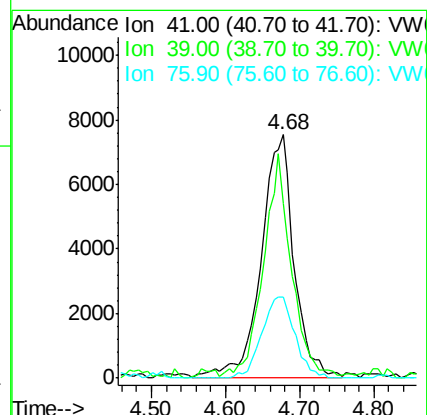
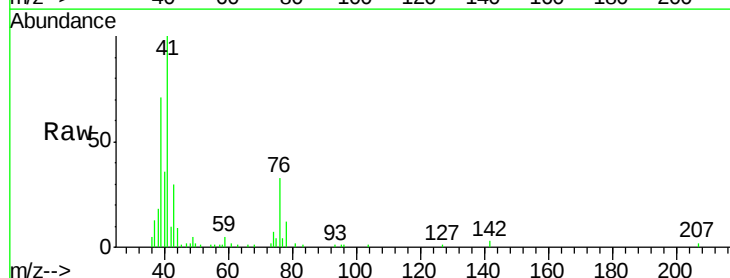
Tgt Ion: 41 Resp: 23306

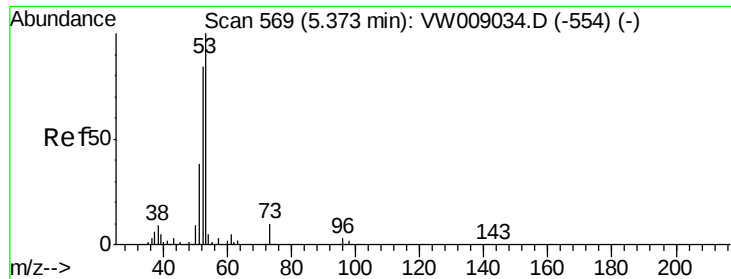
Ion Ratio Lower Upper

41 100

39 78.1 63.0 94.4

76 33.5 28.2 42.2





#15

Acrylonitrile

Concen: 24.995 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

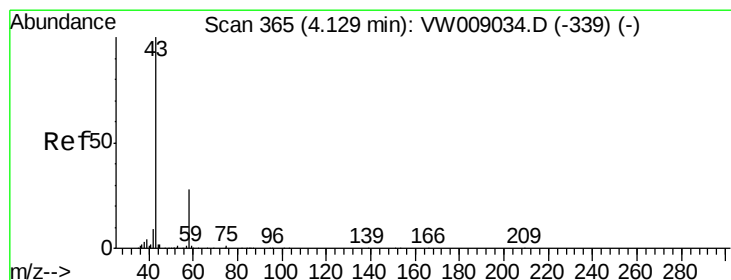
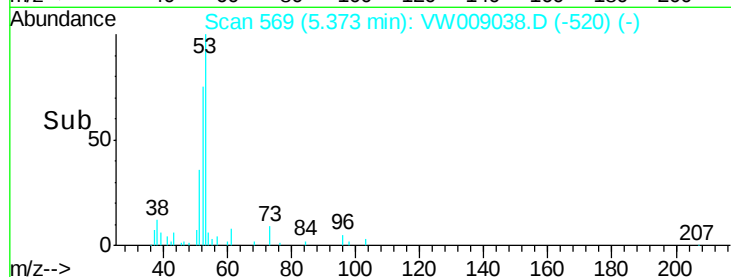
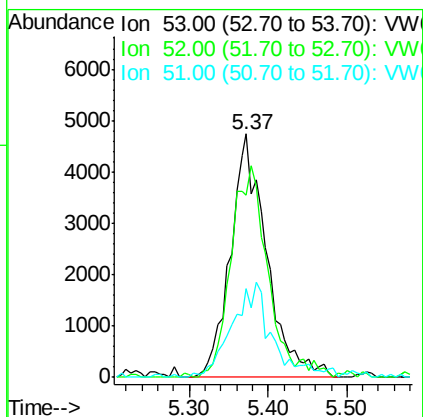
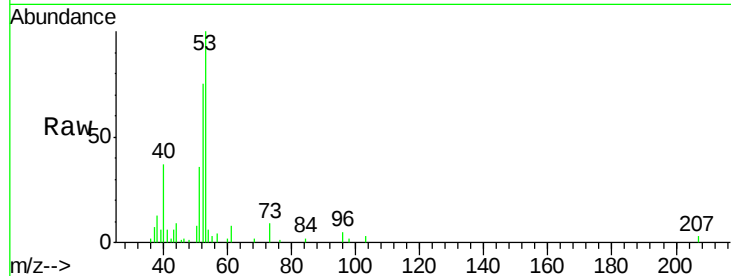
Tgt Ion: 53 Resp: 15097

Ion Ratio Lower Upper

53 100

52 88.7 67.2 100.8

51 42.1 31.8 47.6



#16

Acetone

Concen: 26.139 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009038.D

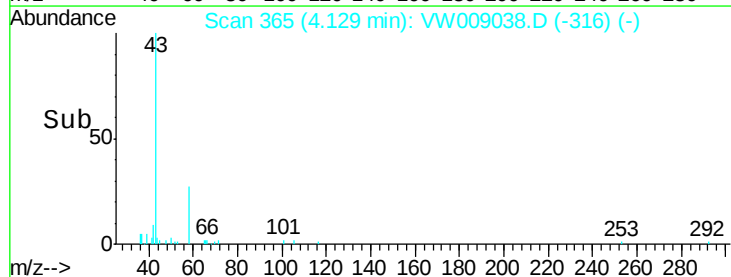
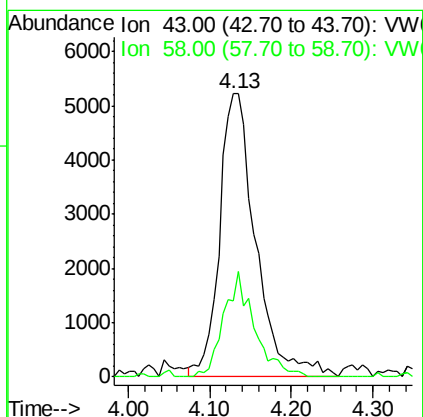
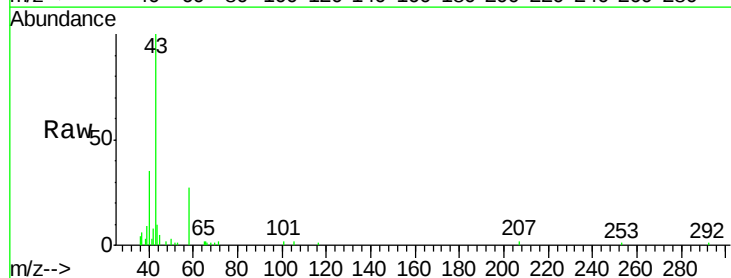
Acq: 07 Mar 2019 14:20

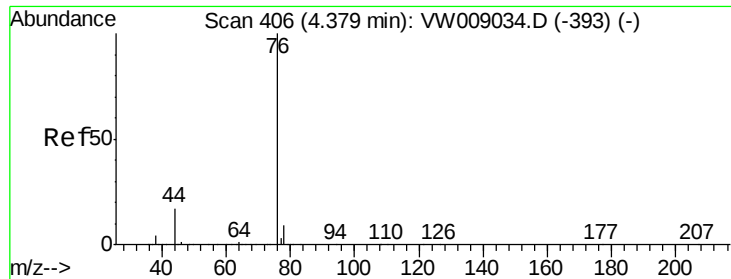
Tgt Ion: 43 Resp: 16011

Ion Ratio Lower Upper

43 100

58 26.7 22.5 33.7

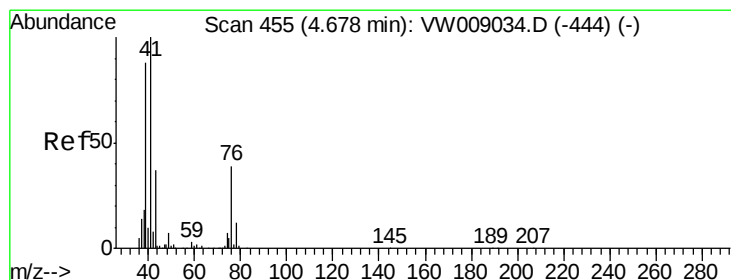
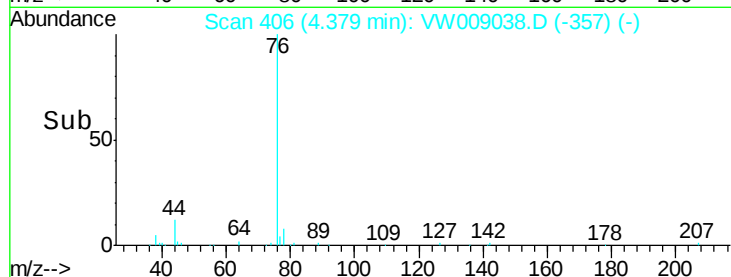
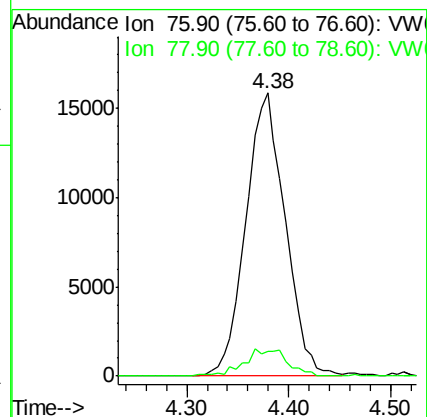
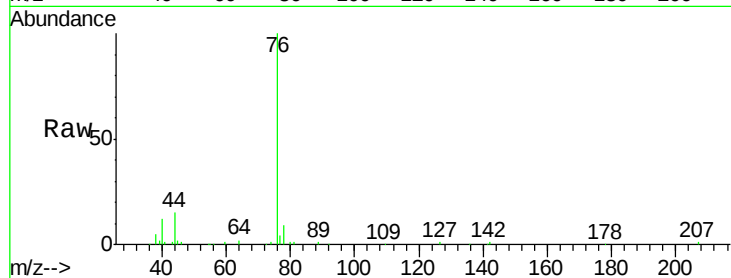




#17
Carbon Disulfide
Concen: 5.290 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

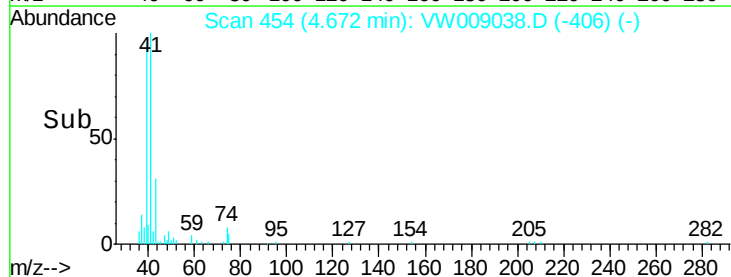
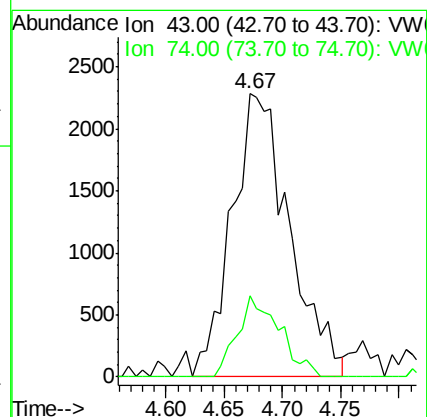
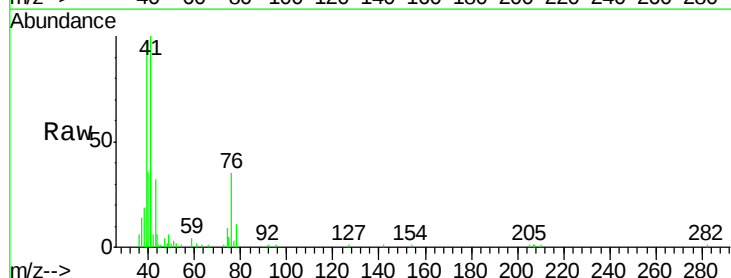
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

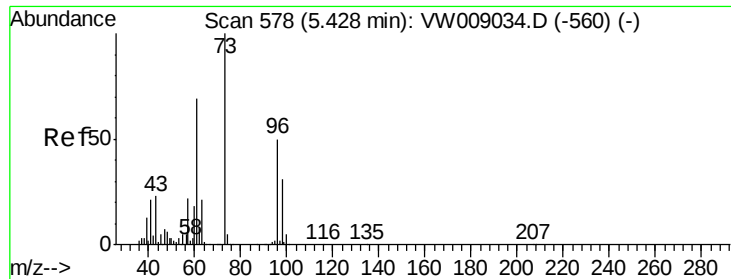
Tgt Ion: 76 Resp: 42621
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 5.563 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 43 Resp: 7832
Ion Ratio Lower Upper
43 100
74 21.0 17.6 26.4

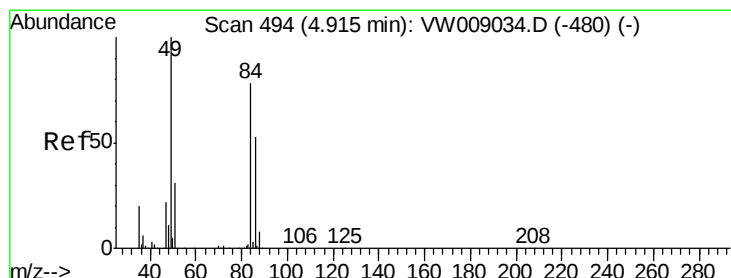
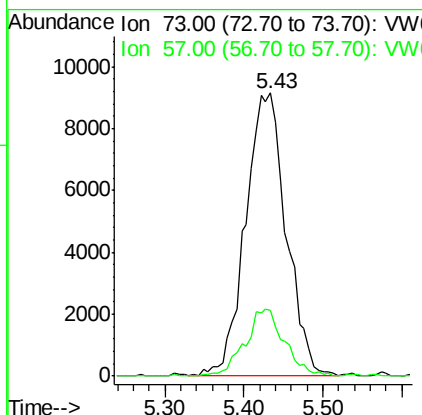
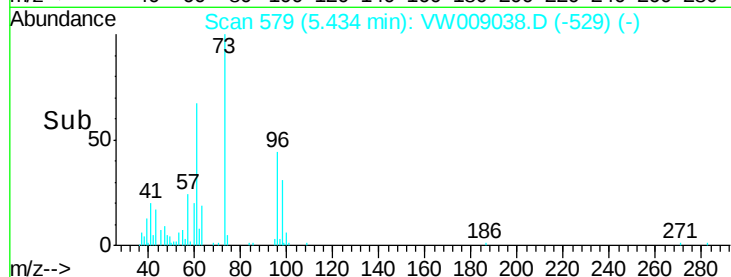
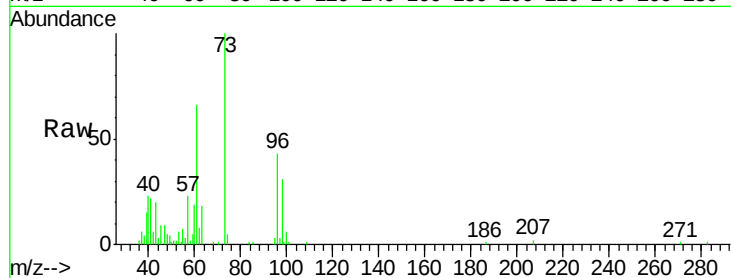




#19
Methyl tert-butyl Ether
Concen: 5.168 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

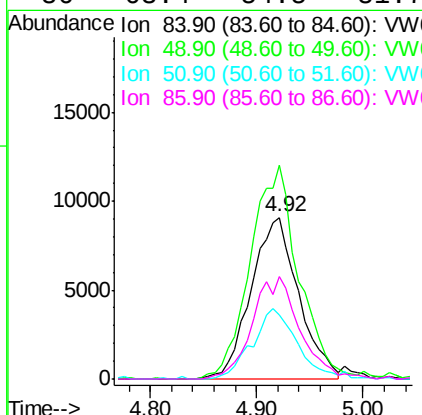
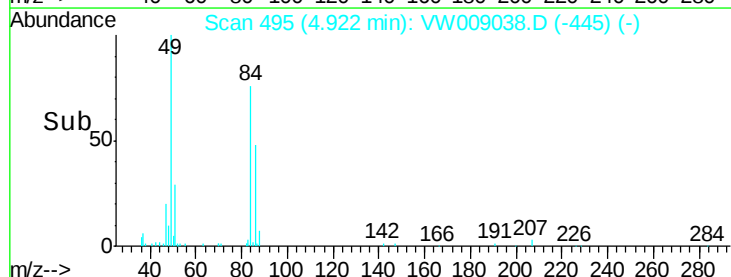
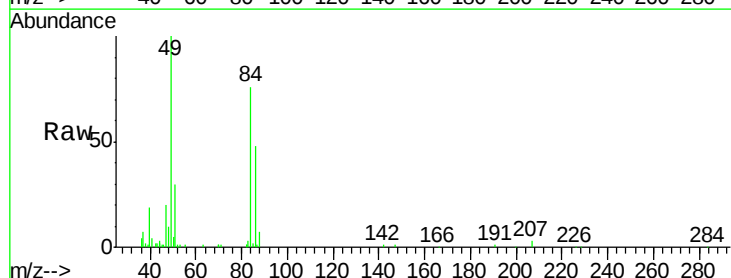
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

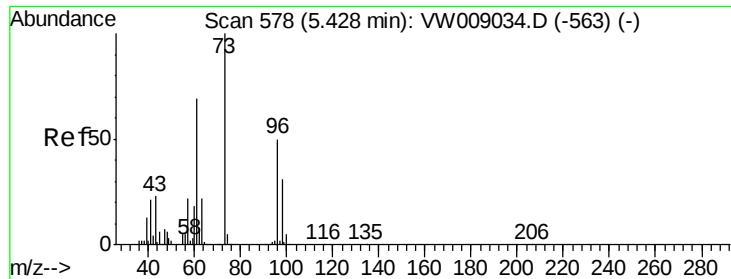
Tgt Ion: 73 Resp: 32757
Ion Ratio Lower Upper
73 100
57 23.4 17.3 25.9



#20
Methylene Chloride
Concen: 8.113 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 84 Resp: 28290
Ion Ratio Lower Upper
84 100
49 132.0 102.4 153.6
51 39.2 31.6 47.4
86 63.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 5.311 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

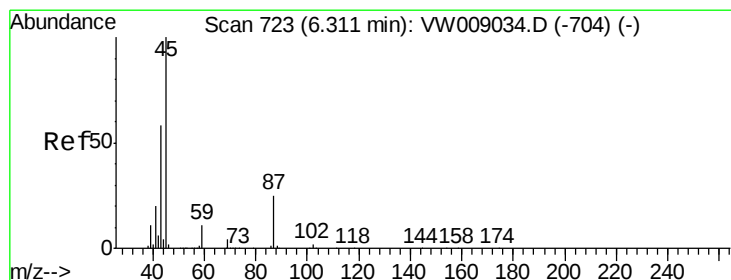
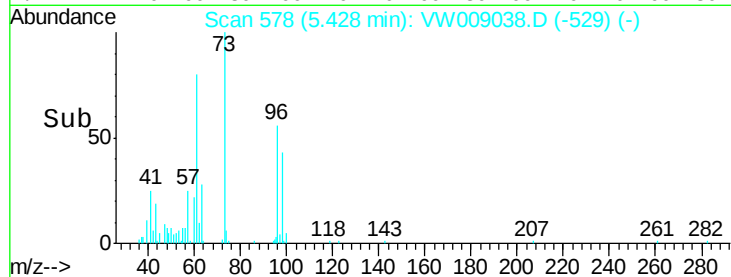
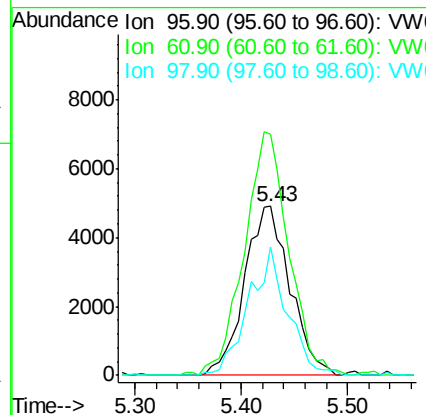
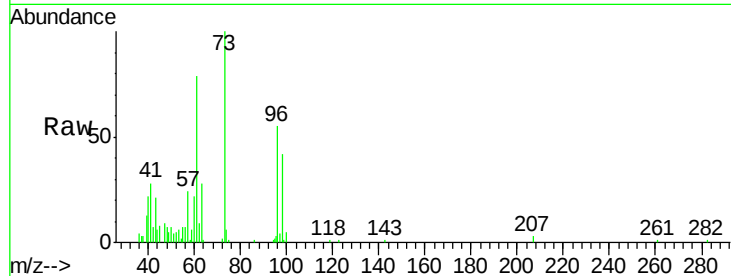
Tgt Ion: 96 Resp: 14748

Ion Ratio Lower Upper

96 100

61 140.6 111.0 166.6

98 76.0 49.4 74.0#



#22

Diisopropyl ether

Concen: 5.123 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion: 45 Resp: 43006

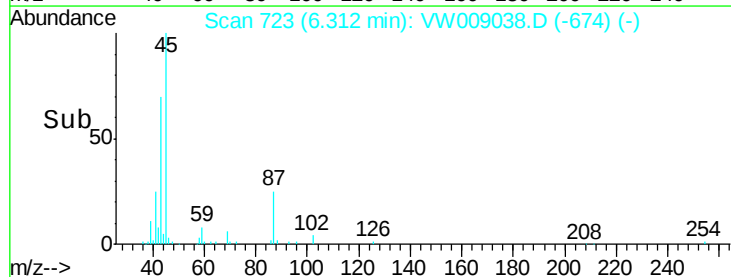
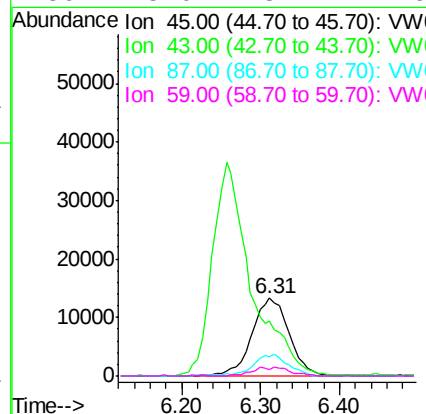
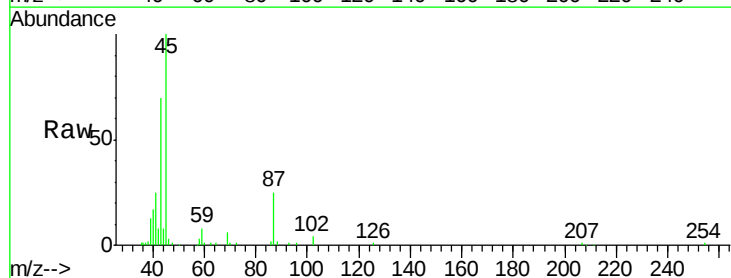
Ion Ratio Lower Upper

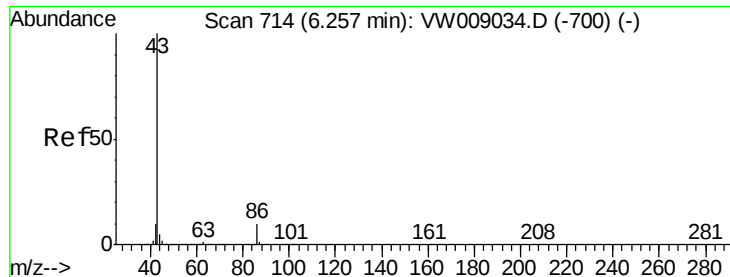
45 100

43 68.8 46.2 69.4

87 24.7 20.1 30.1

59 8.0 8.4 12.6#





#23

Vinyl Acetate

Concen: 23.977 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

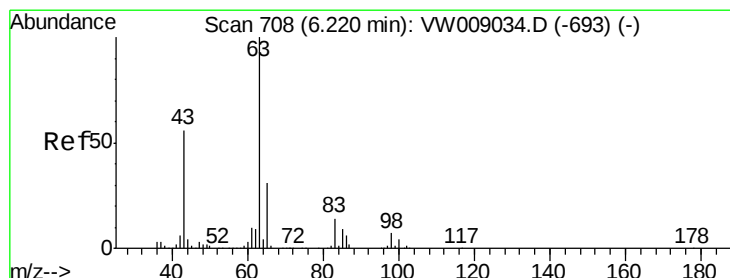
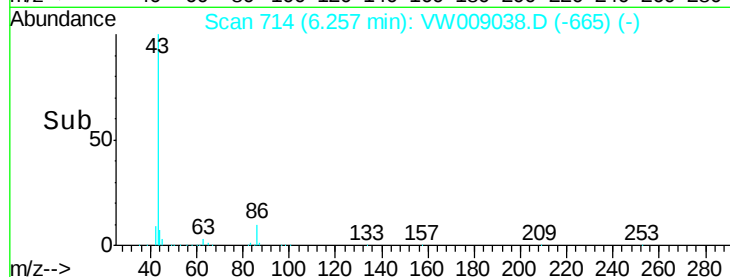
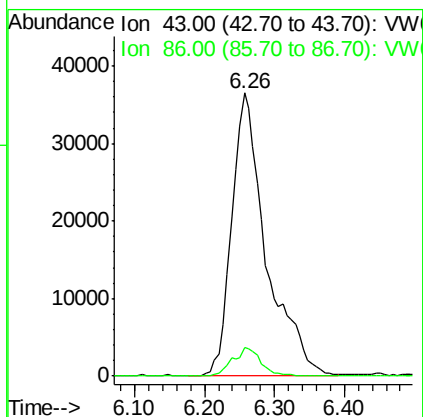
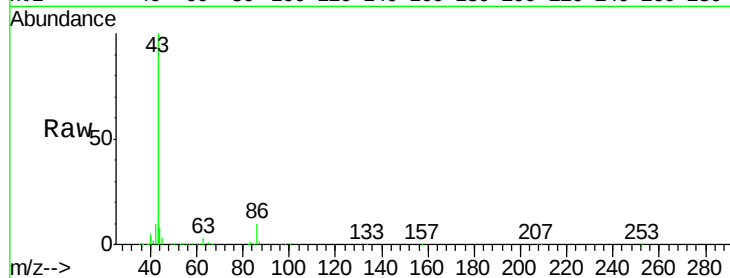
VSTDIC005

Tgt Ion: 43 Resp: 125473

Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 5.406 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

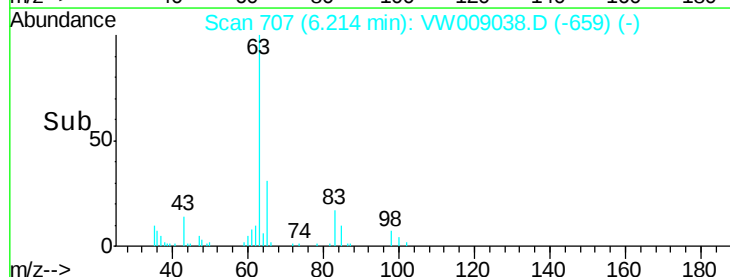
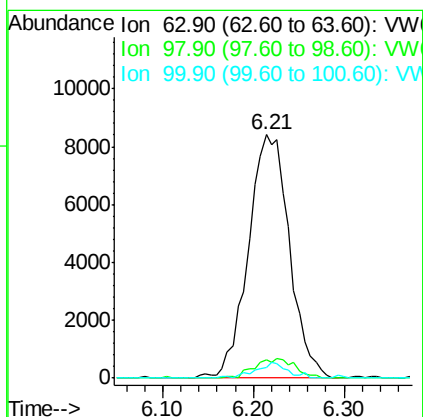
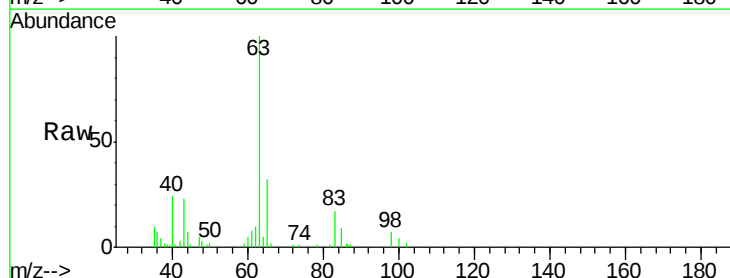
Tgt Ion: 63 Resp: 26318

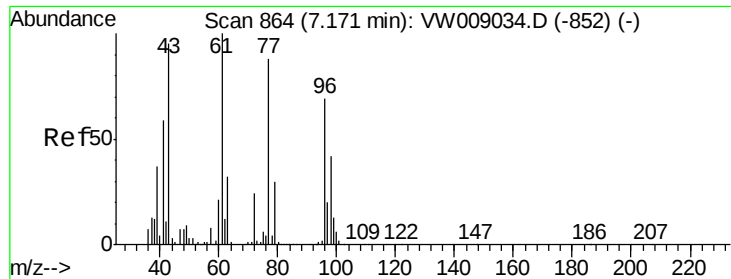
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 27.059 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

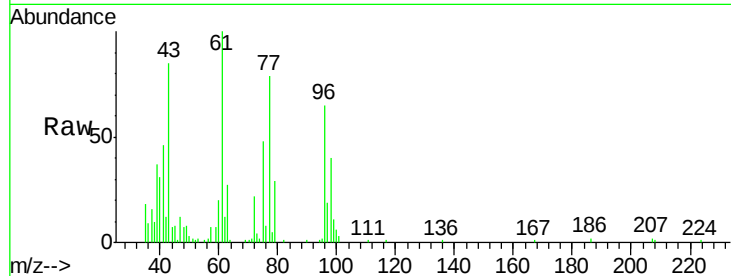
VSTDIC005

Tgt Ion: 43 Resp: 22499

Ion Ratio Lower Upper

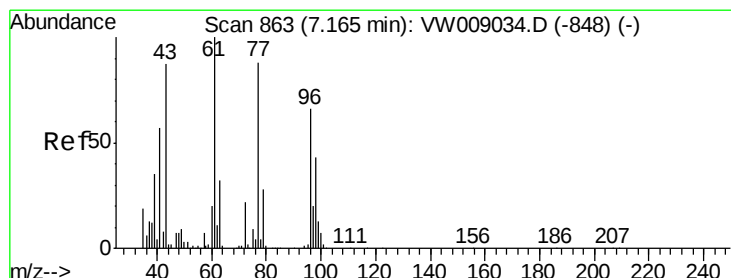
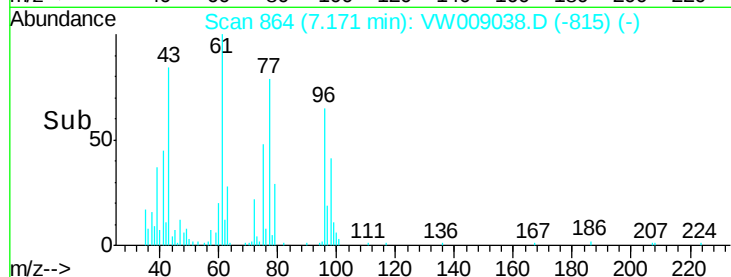
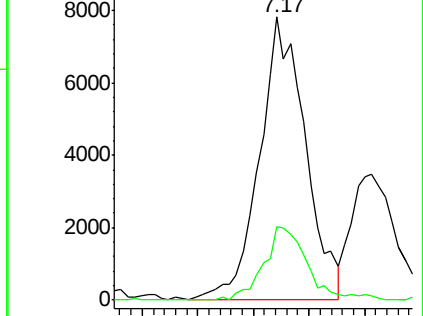
43 100

72 25.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.470 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009038.D

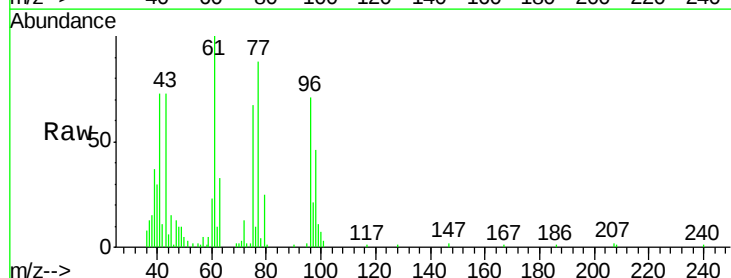
Acq: 07 Mar 2019 14:20

Tgt Ion: 77 Resp: 24332

Ion Ratio Lower Upper

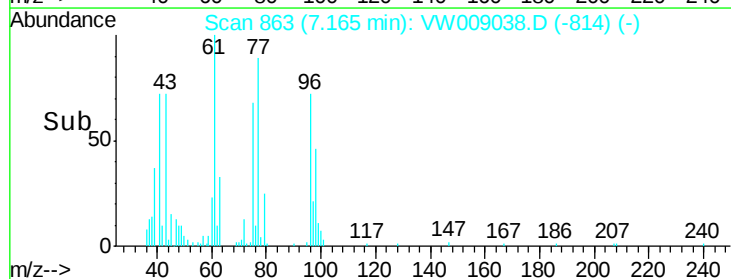
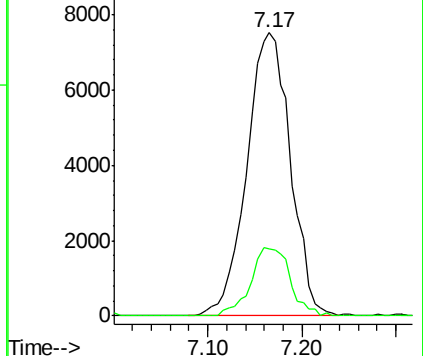
77 100

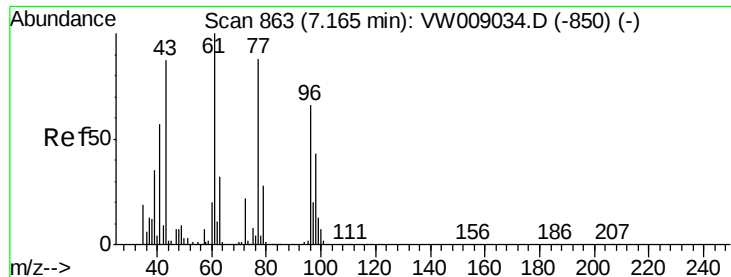
97 21.8 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



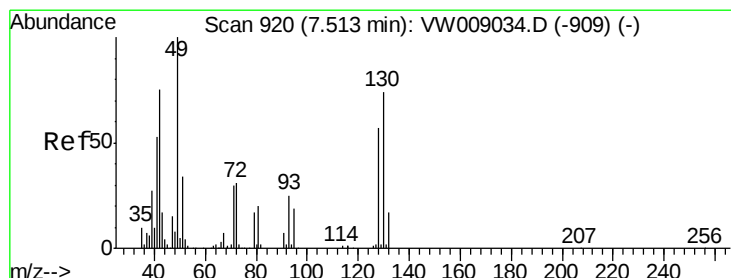
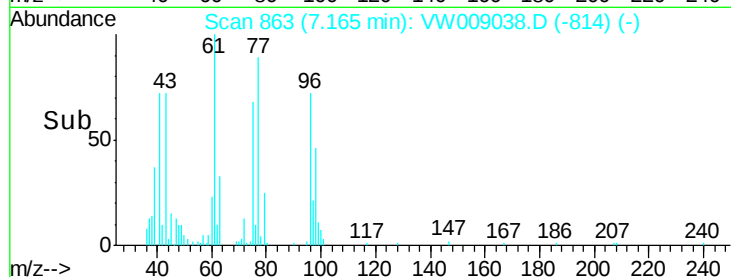
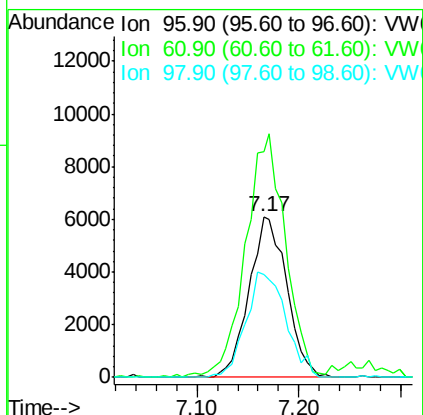
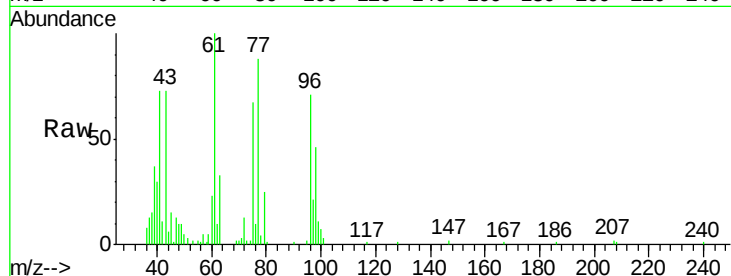


#27

cis-1,2-Dichloroethene
 Concen: 5.305 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

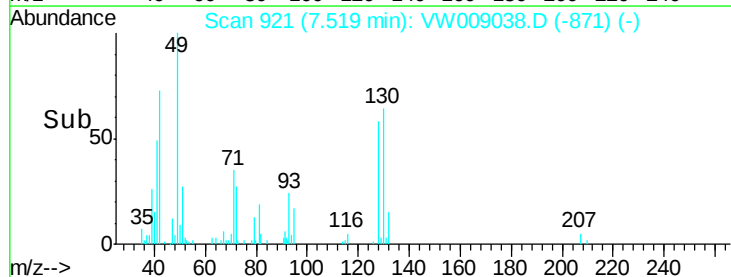
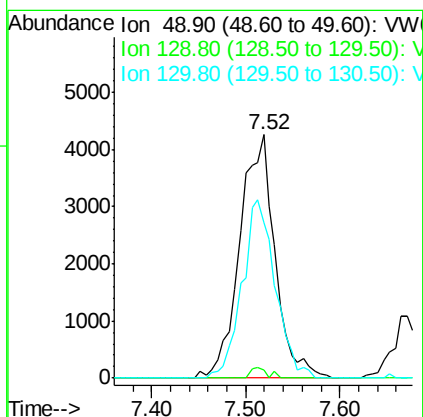
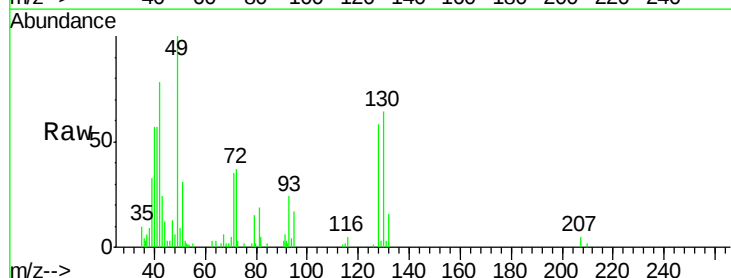
Tgt Ion: 96 Resp: 15692
 Ion Ratio Lower Upper
 96 100
 61 159.4 0.0 299.8
 98 69.3 0.0 127.2

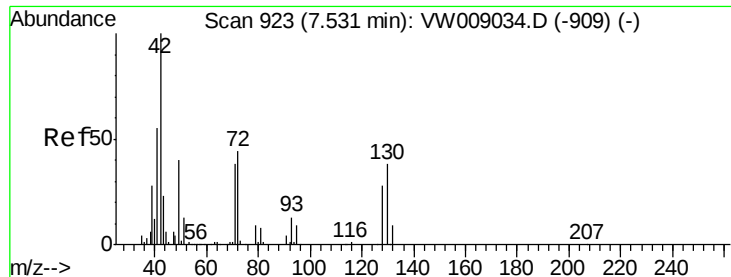


#28

Bromochloromethane
 Concen: 5.518 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 49 Resp: 11119
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 69.1 60.4 90.6

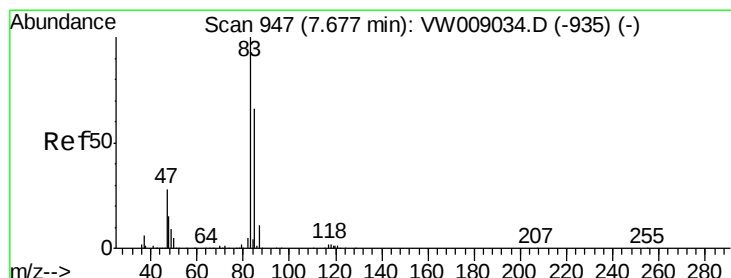
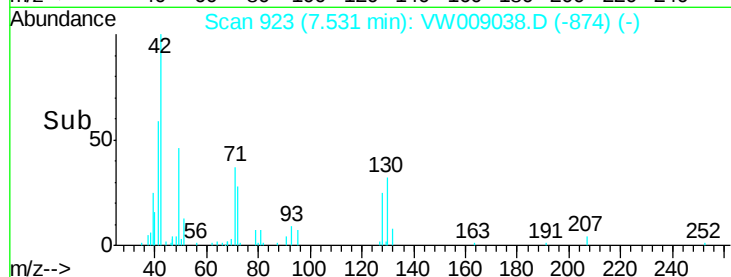
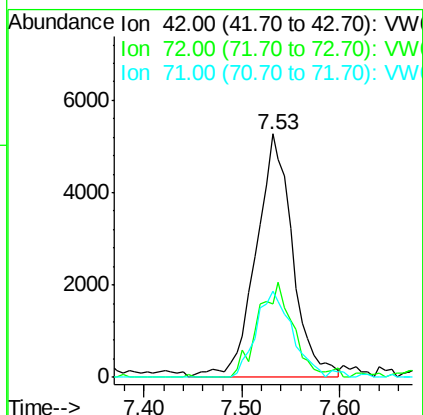
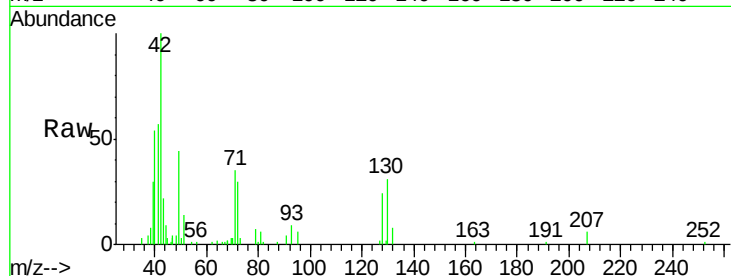




#29
Tetrahydrofuran
Concen: 25.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

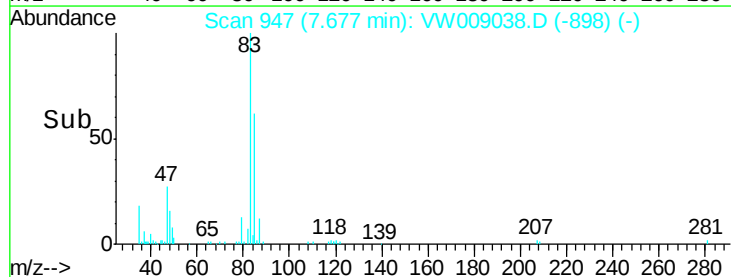
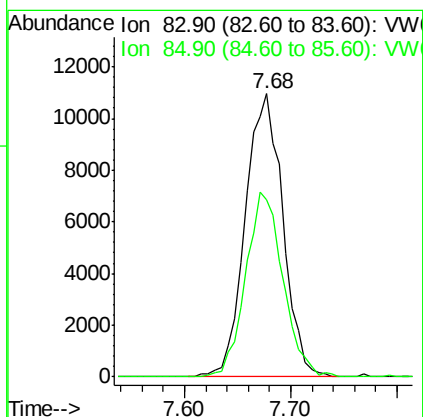
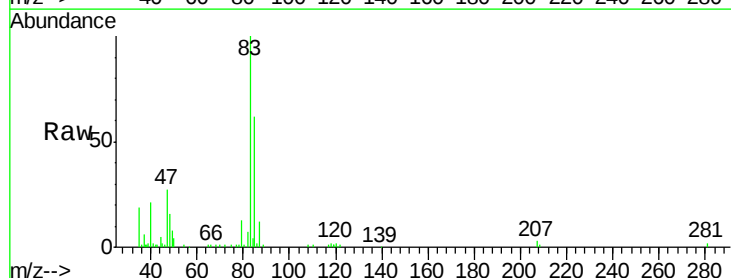
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

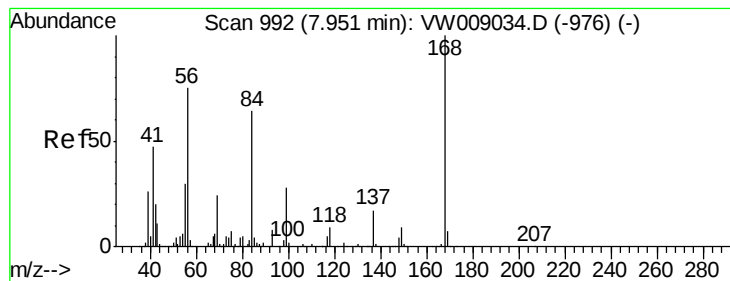
Tgt Ion: 42 Resp: 13703
Ion Ratio Lower Upper
42 100
72 37.0 32.2 48.4
71 34.7 30.7 46.1



#30
Chloroform
Concen: 5.440 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 83 Resp: 27066
Ion Ratio Lower Upper
83 100
85 62.4 53.0 79.6





#31

Cyclohexane

Concen: 6.493 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

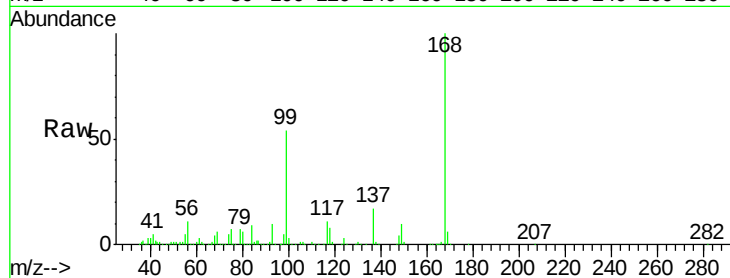
Tgt Ion: 56 Resp: 32165

Ion Ratio Lower Upper

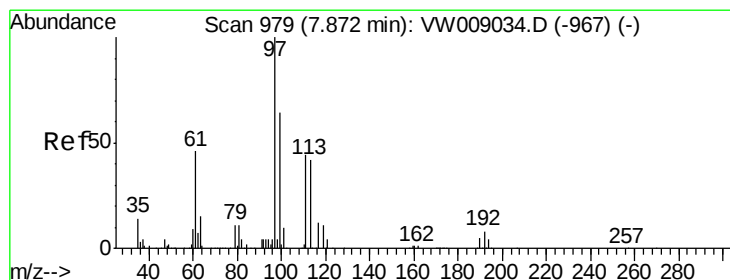
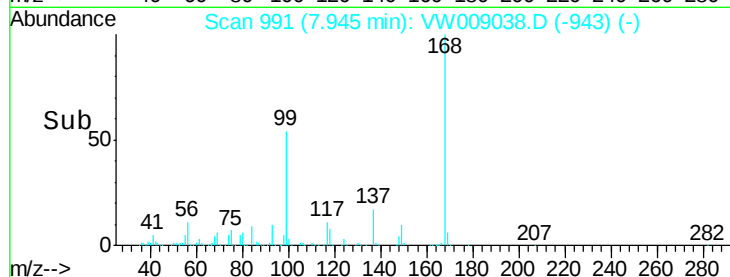
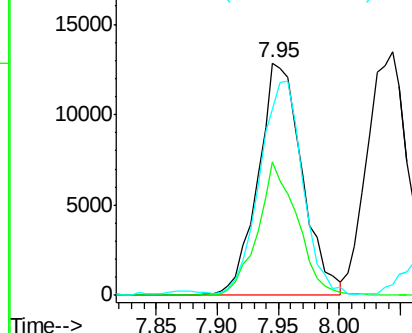
56 100

69 57.6 25.5 38.3#

84 78.7 68.6 103.0



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: 5.568 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

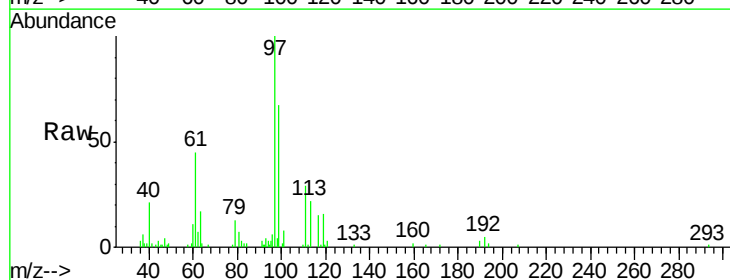
Tgt Ion: 97 Resp: 25508

Ion Ratio Lower Upper

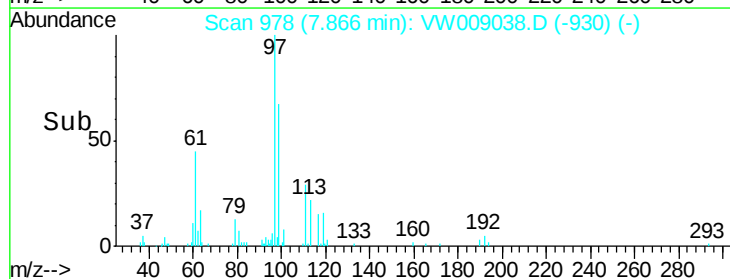
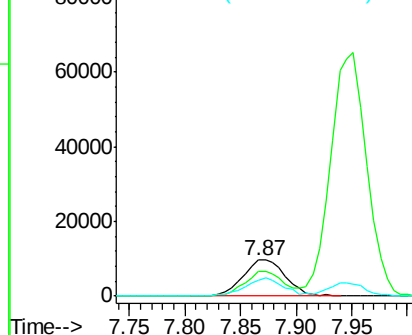
97 100

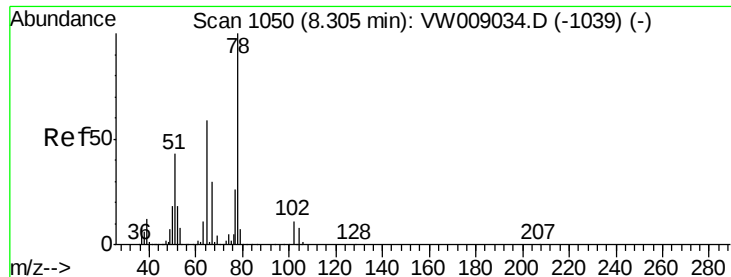
99 61.7 51.8 77.8

61 46.0 37.3 55.9



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

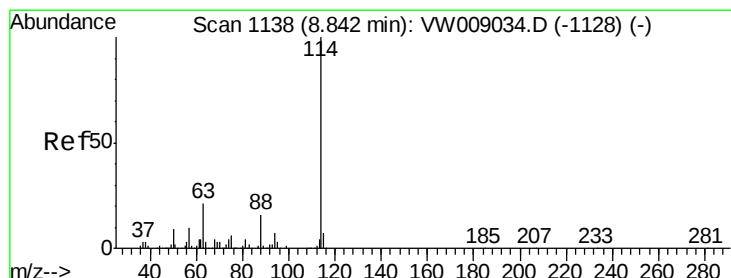
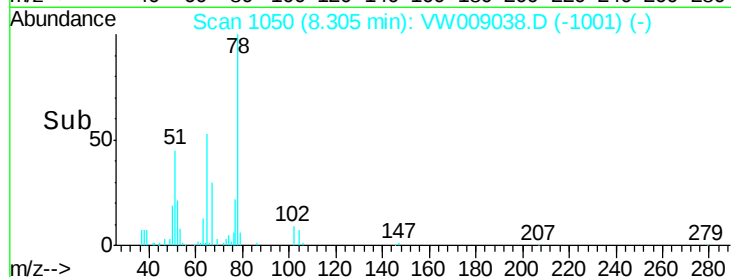
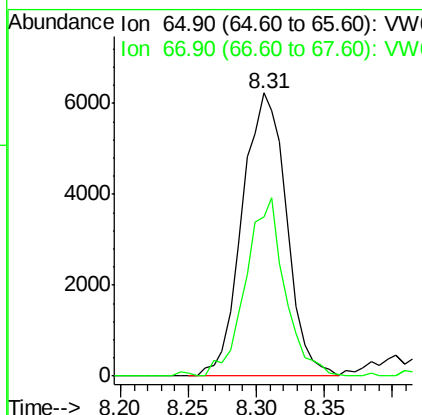
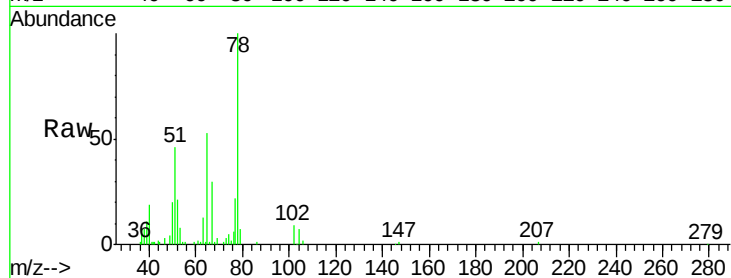




#33
 1,2-Dichloroethane-d4
 Concen: 5.175 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

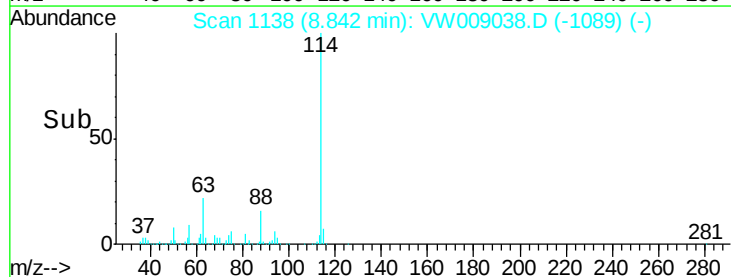
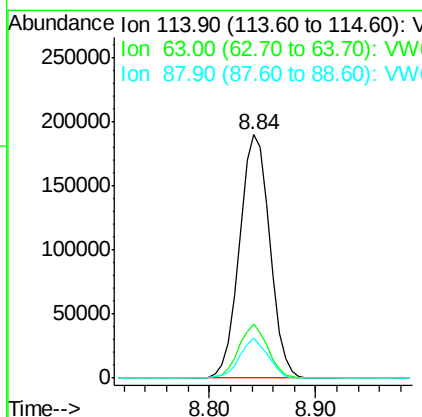
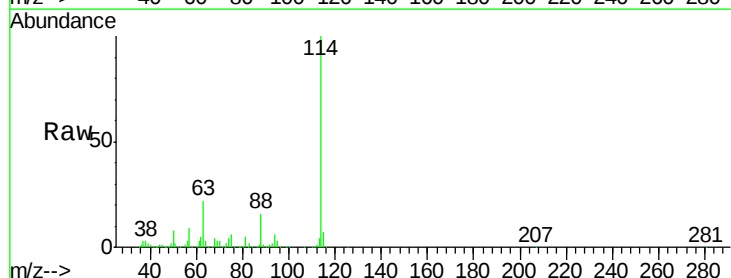
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

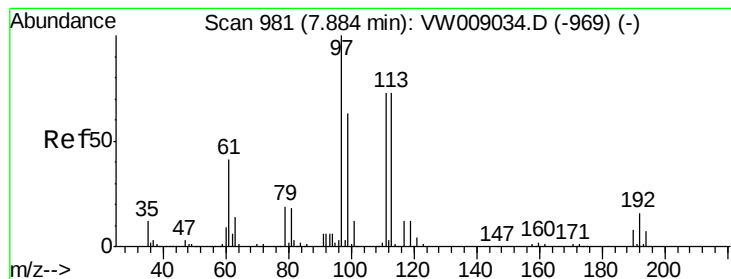
Tgt Ion: 65 Resp: 14183
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 114 Resp: 380483
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.2
 88 16.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 4.947 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

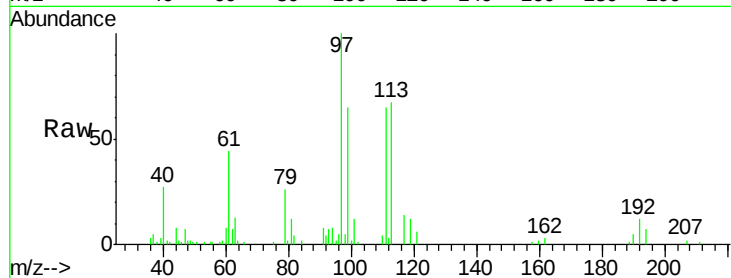
Tgt Ion: 113 Resp: 11352

Ion Ratio Lower Upper

113 100

111 104.5 81.0 121.4

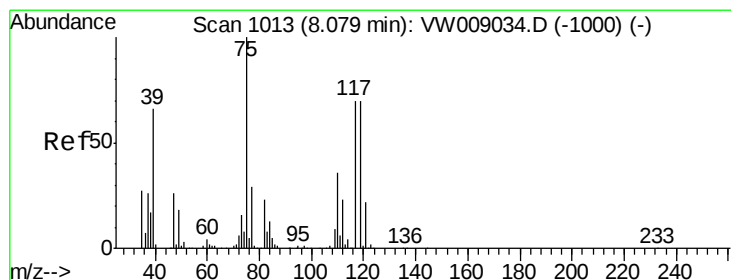
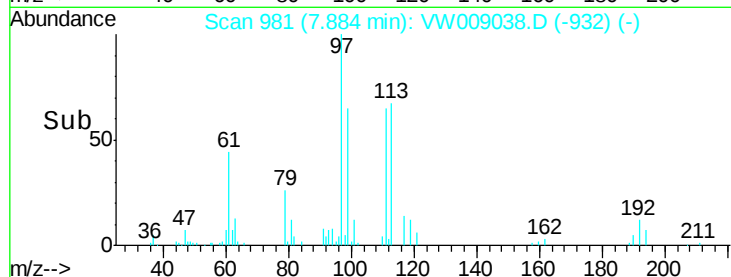
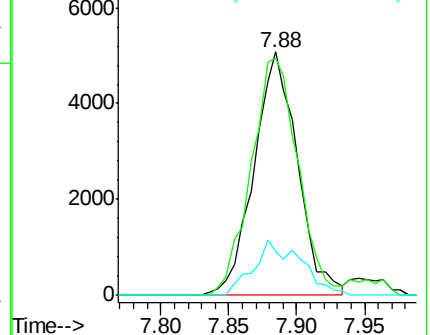
192 24.5 17.1 25.7



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: 5.683 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

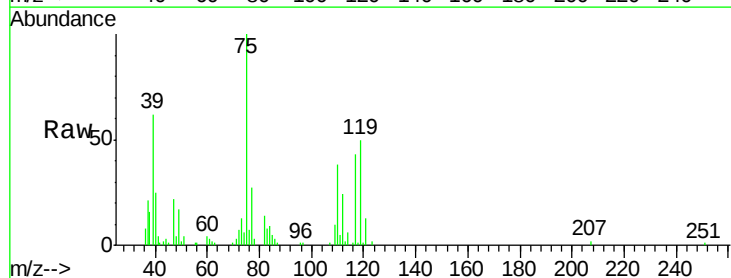
Tgt Ion: 75 Resp: 22374

Ion Ratio Lower Upper

75 100

110 36.8 17.6 52.9

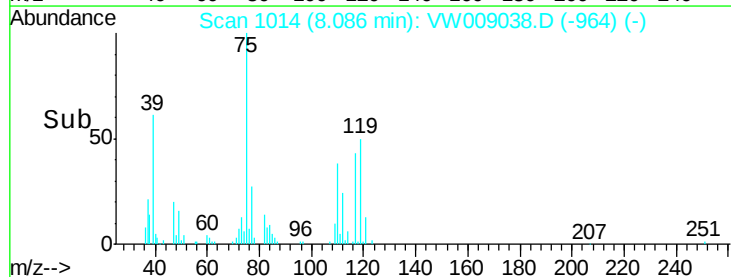
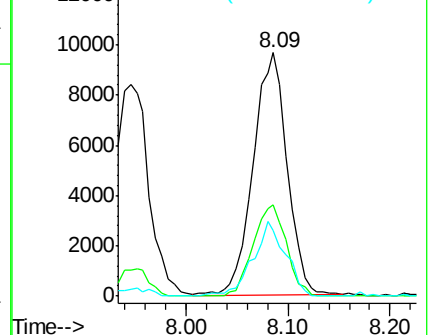
77 29.5 25.1 37.7

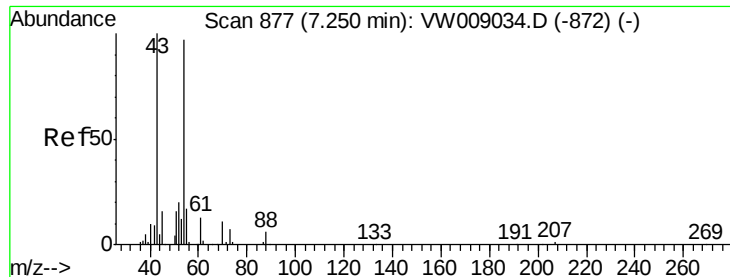


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

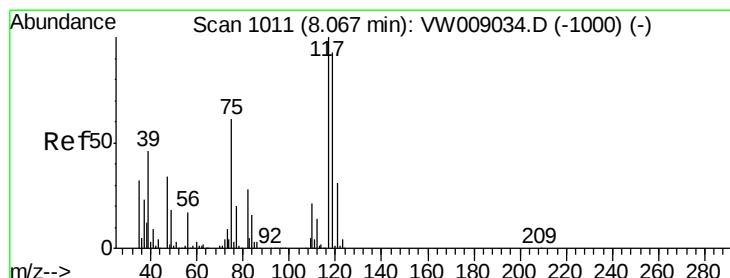
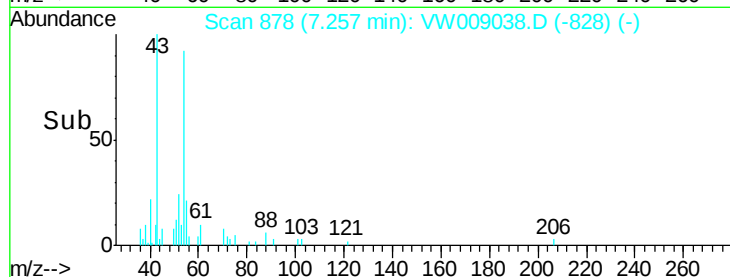
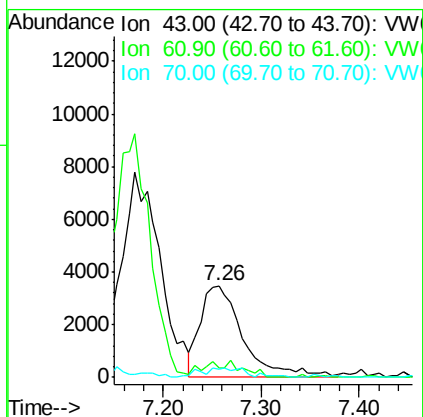
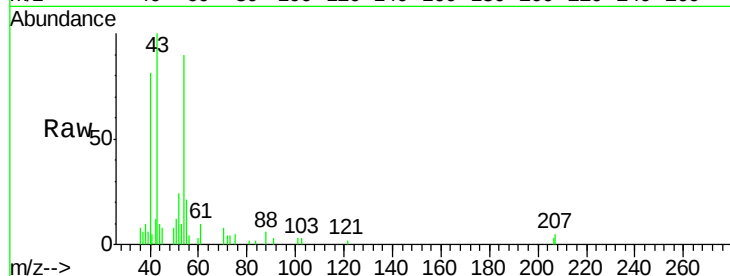




#37
Ethyl Acetate
Concen: 5.720 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

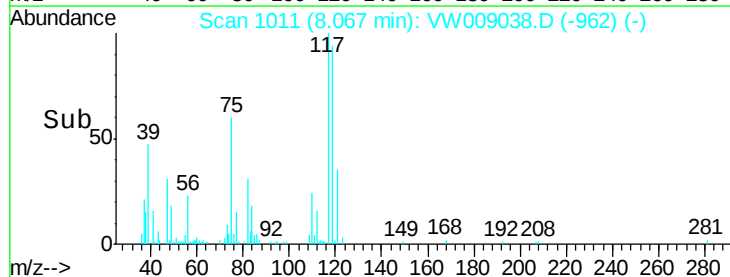
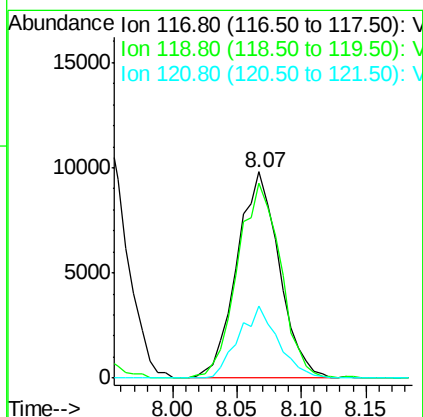
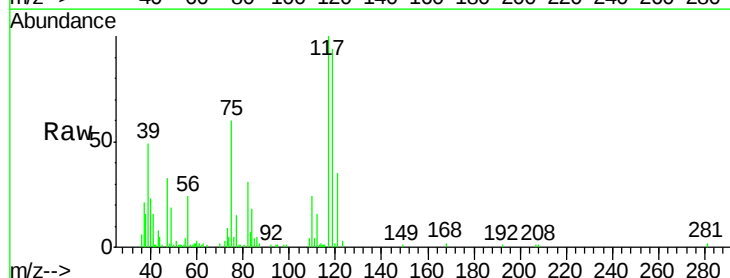
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

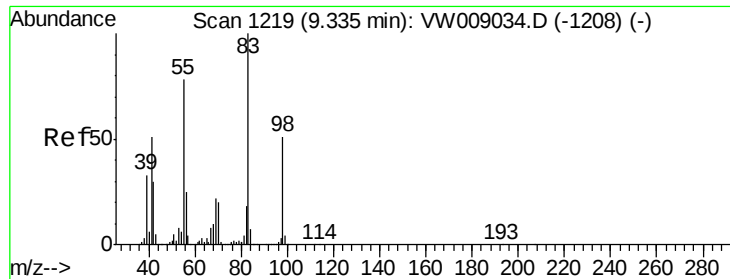
Tgt Ion: 43 Resp: 10580
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.6#
70 6.9 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 117 Resp: 22365
Ion Ratio Lower Upper
117 100
119 94.4 74.6 112.0
121 34.7 24.7 37.1





#39

Methylcyclohexane

Concen: 5.259 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

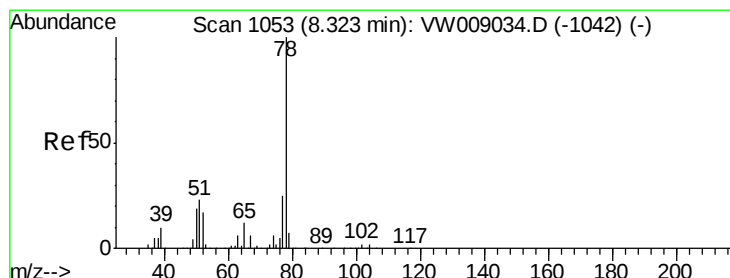
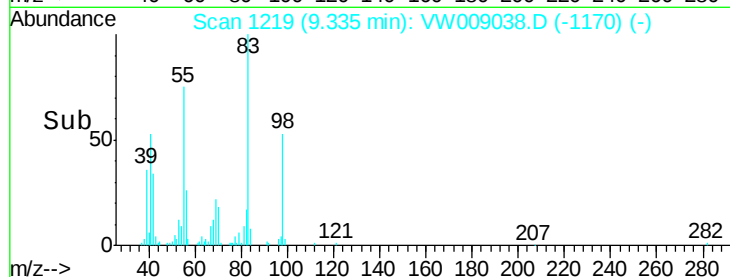
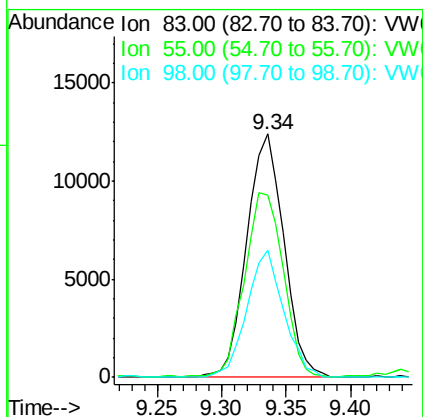
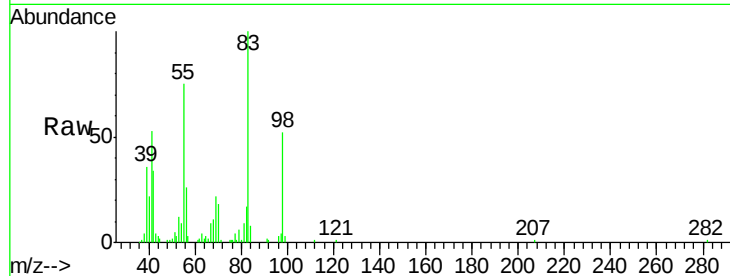
Tgt Ion: 83 Resp: 24797

Ion Ratio Lower Upper

83 100

55 74.9 62.7 94.1

98 52.2 40.8 61.2



#40

Benzene

Concen: 5.643 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009038.D

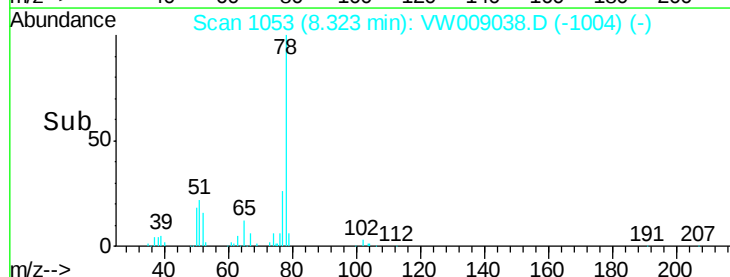
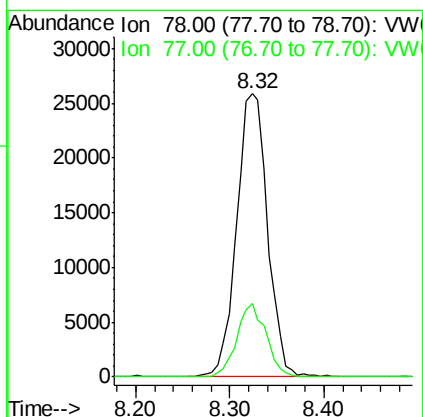
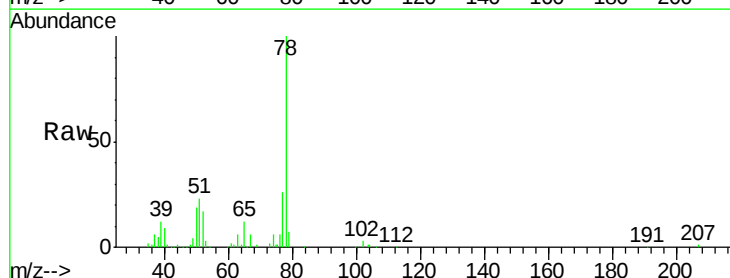
Acq: 07 Mar 2019 14:20

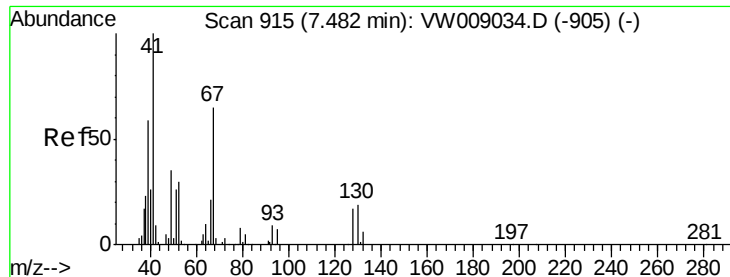
Tgt Ion: 78 Resp: 59064

Ion Ratio Lower Upper

78 100

77 25.9 20.2 30.4





#41

Methacrylonitrile

Concen: 4.965 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 4839

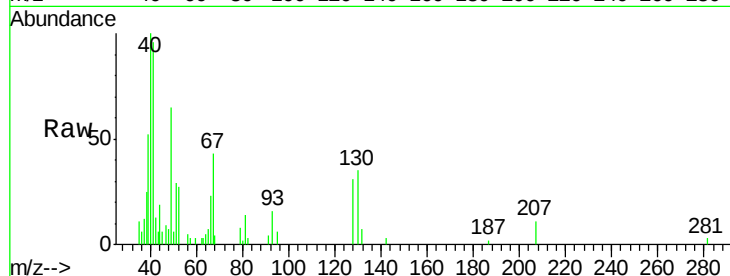
Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

67 73.5 57.6 86.4

52 33.9 26.0 39.0

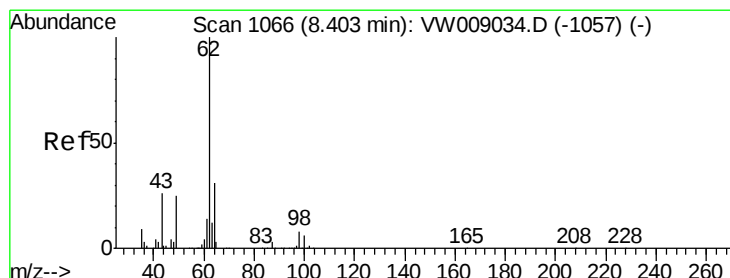
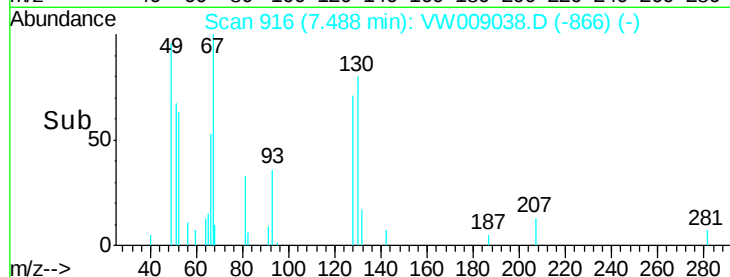
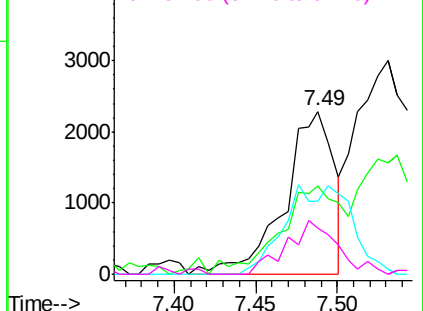


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.364 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW009038.D

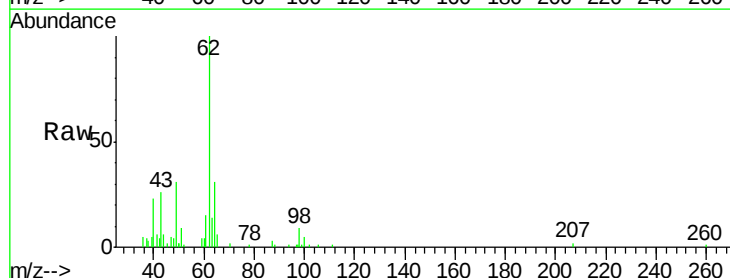
Acq: 07 Mar 2019 14:20

Tgt Ion: 62 Resp: 18298

Ion Ratio Lower Upper

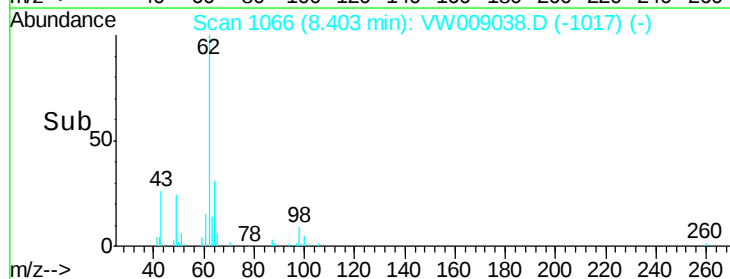
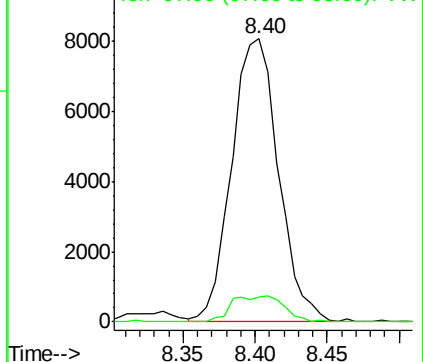
62 100

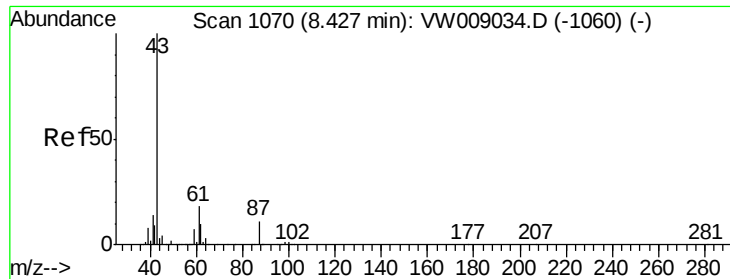
98 4.6 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 5.167 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

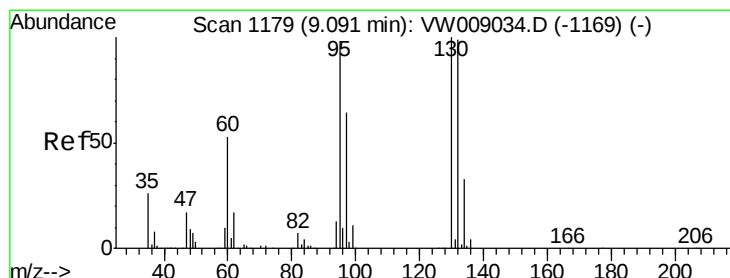
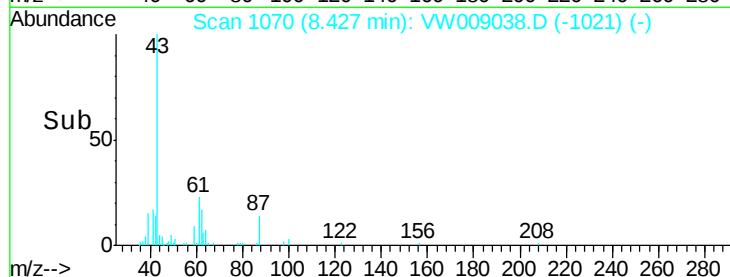
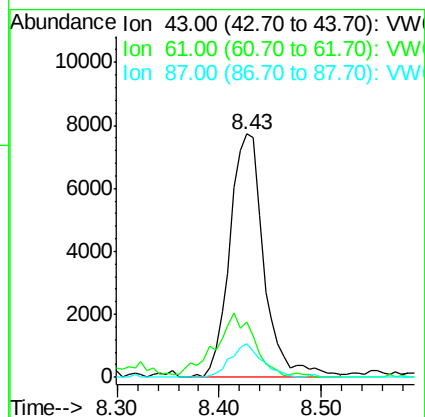
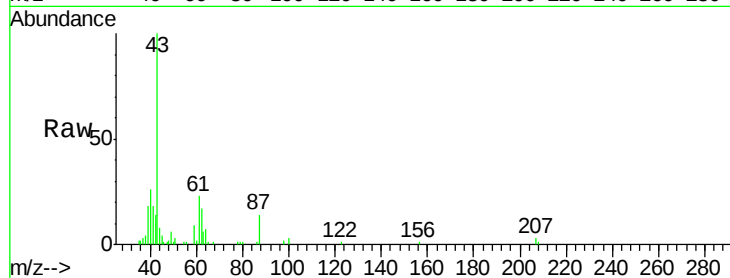
Tgt Ion: 43 Resp: 17875

Ion Ratio Lower Upper

43 100

61 30.5 22.8 34.2

87 12.7 9.4 14.2



#44

Trichloroethene

Concen: 5.729 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009038.D

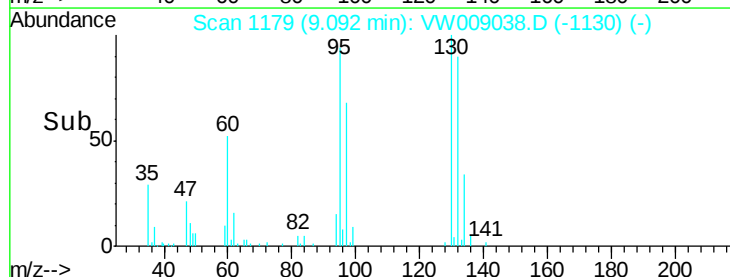
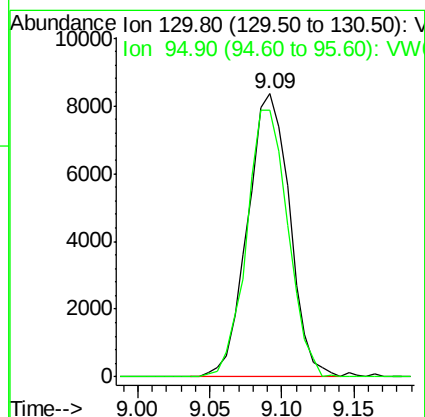
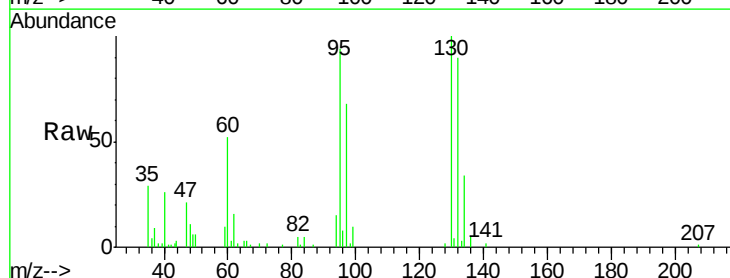
Acq: 07 Mar 2019 14:20

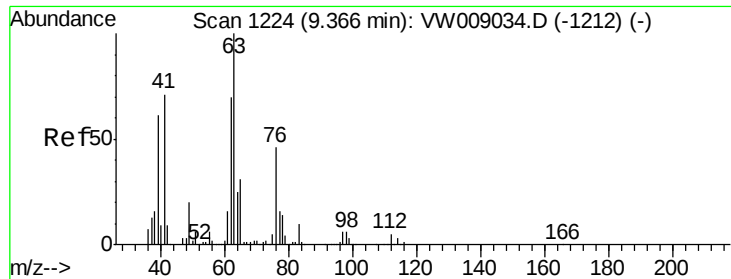
Tgt Ion: 130 Resp: 16860

Ion Ratio Lower Upper

130 100

95 94.4 0.0 197.0

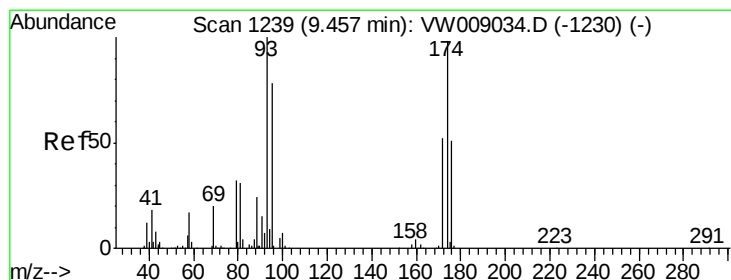
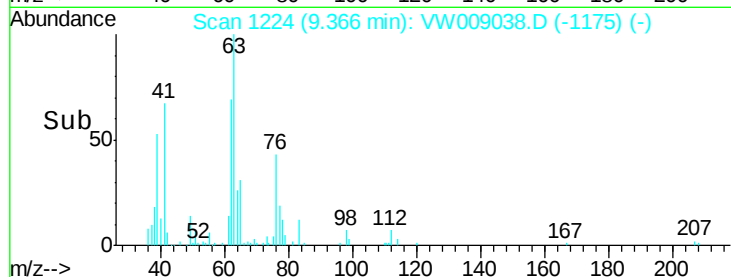
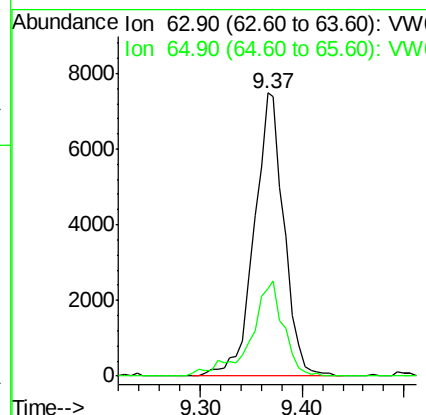
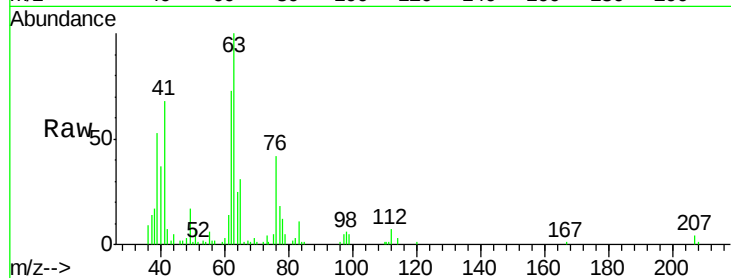




#45
 1,2-Dichloropropane
 Concen: 5.853 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

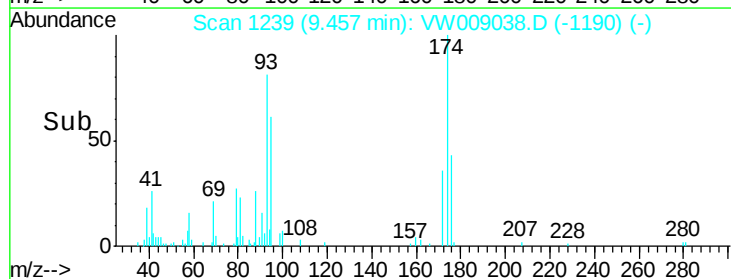
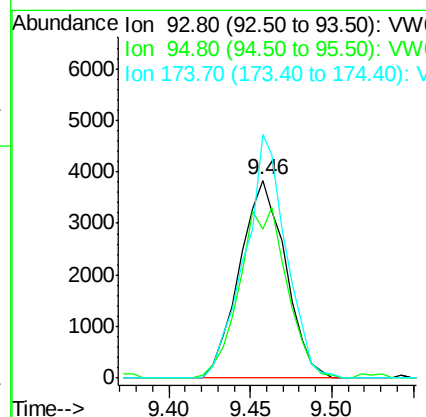
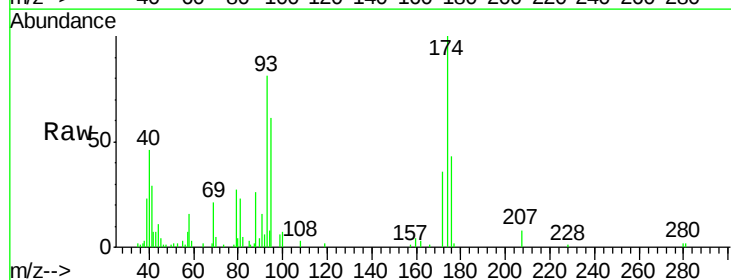
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

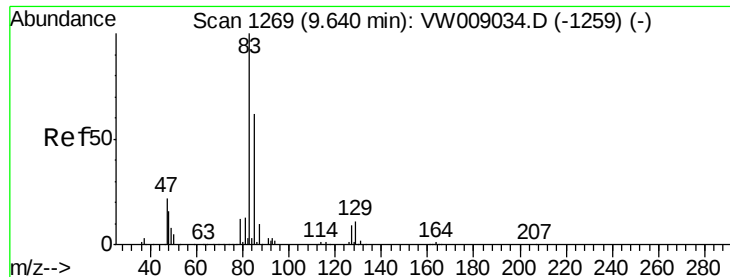
Tgt Ion: 63 Resp: 15240
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.9 37.3



#46
 Dibromomethane
 Concen: 5.194 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 93 Resp: 7512
 Ion Ratio Lower Upper
 93 100
 95 89.4 65.0 97.6
 174 111.1 81.8 122.6





#47

Bromodichloromethane

Concen: 5.337 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

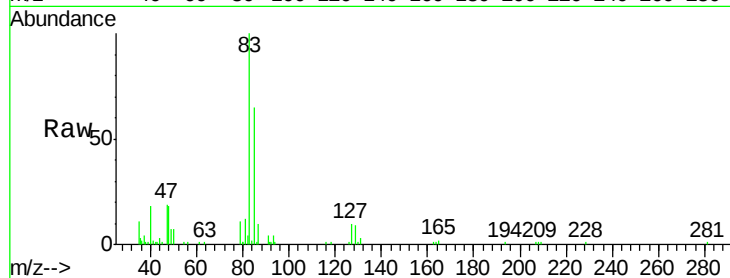
Tgt Ion: 83 Resp: 19457

Ion Ratio Lower Upper

83 100

85 65.0 49.9 74.9

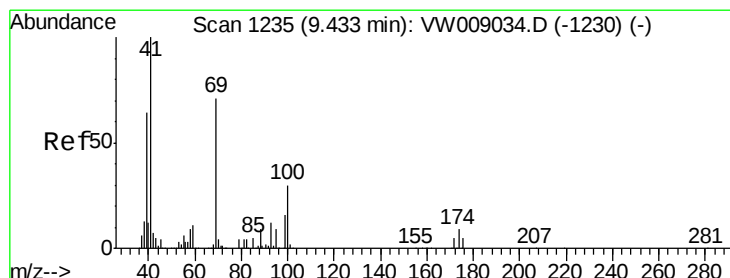
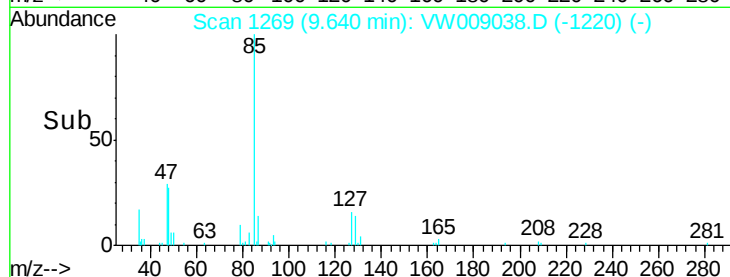
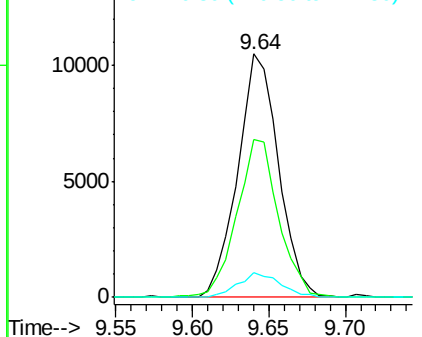
127 10.3 7.1 10.7



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): V



#48

Methyl methacrylate

Concen: 4.478 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

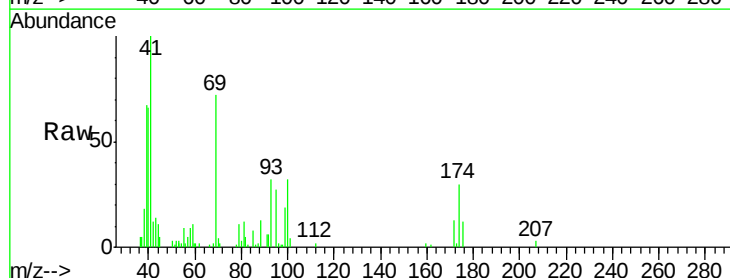
Tgt Ion: 41 Resp: 7305

Ion Ratio Lower Upper

41 100

69 88.0 59.1 88.7

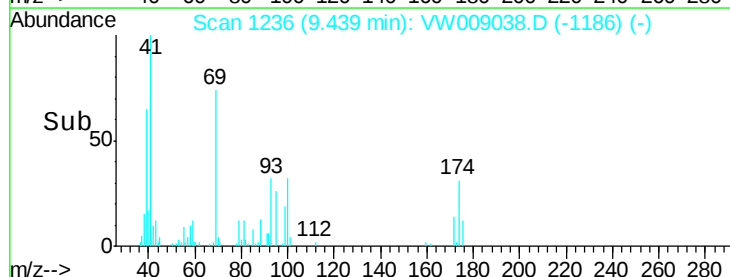
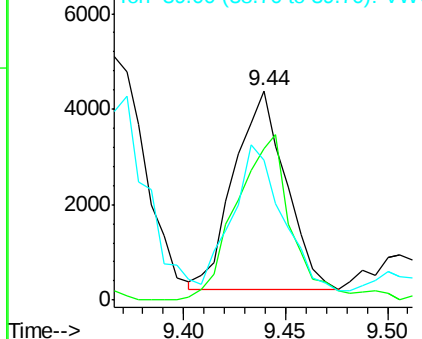
39 81.6 48.9 73.3#

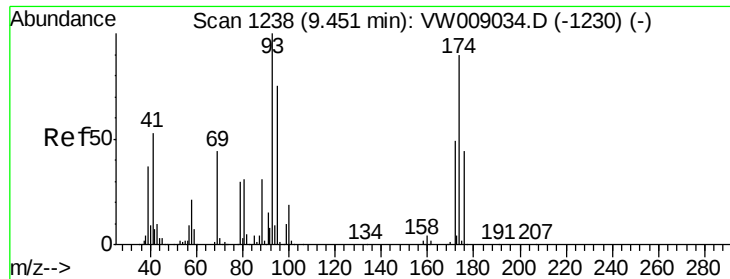


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 112.608 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

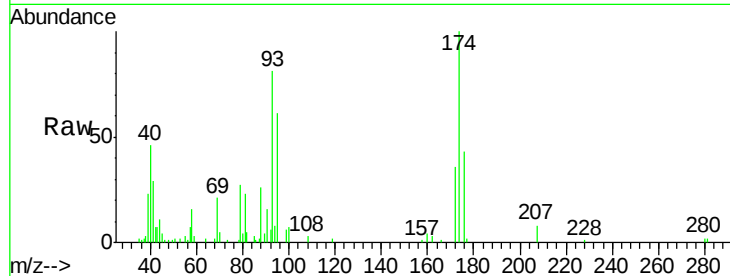
Tgt Ion: 88 Resp: 2391

Ion Ratio Lower Upper

88 100

43 36.5 29.0 43.4

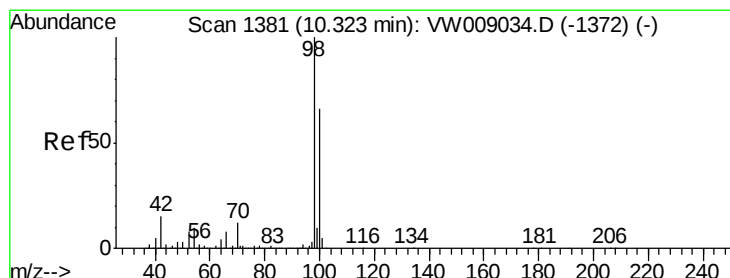
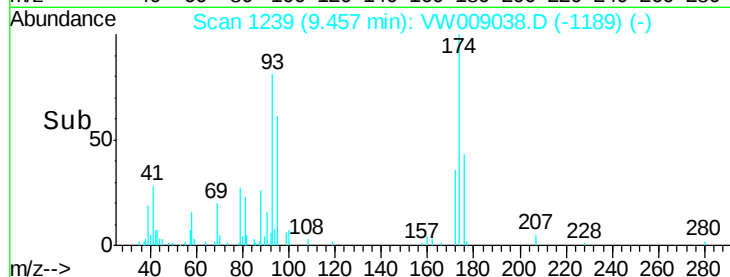
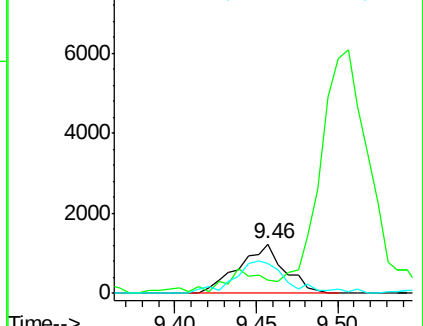
58 72.2 59.2 88.8



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: 5.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009038.D

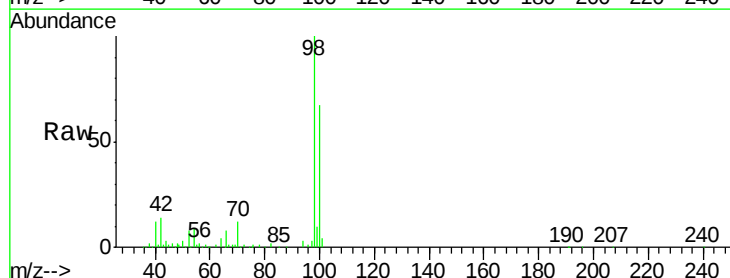
Acq: 07 Mar 2019 14:20

Tgt Ion: 98 Resp: 49489

Ion Ratio Lower Upper

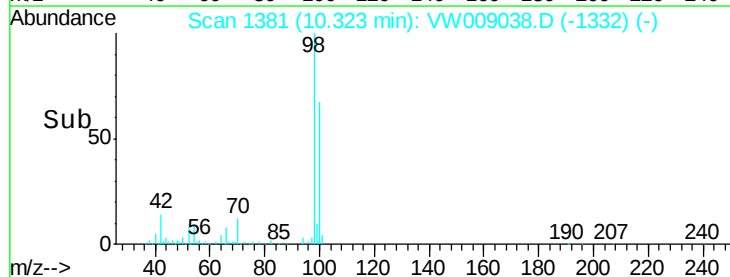
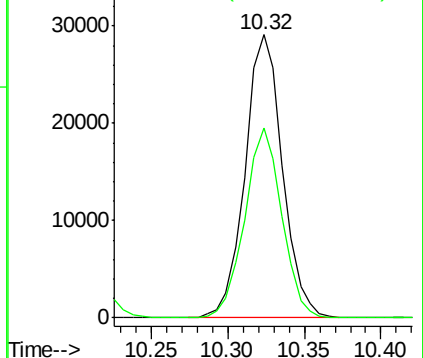
98 100

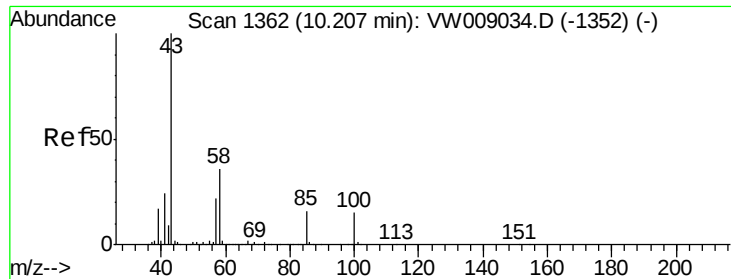
100 66.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

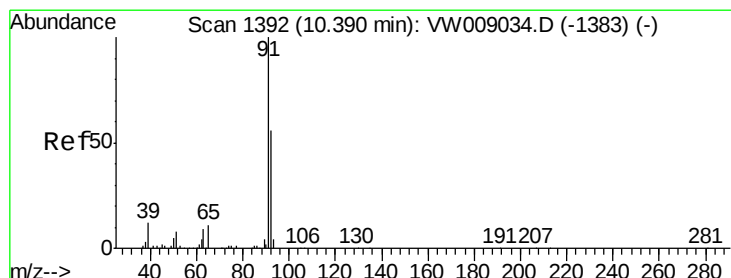
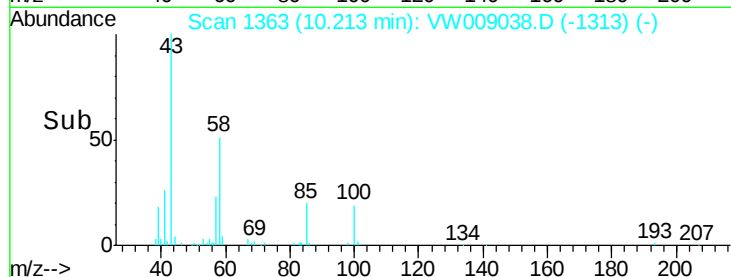
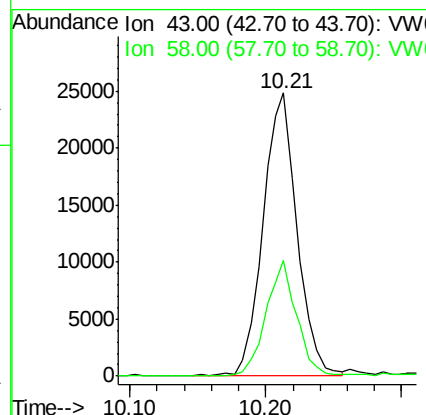
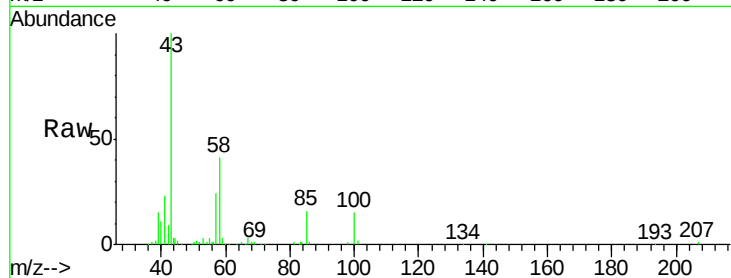




#51
 4-Methyl-2-Pentanone
 Concen: 24.677 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

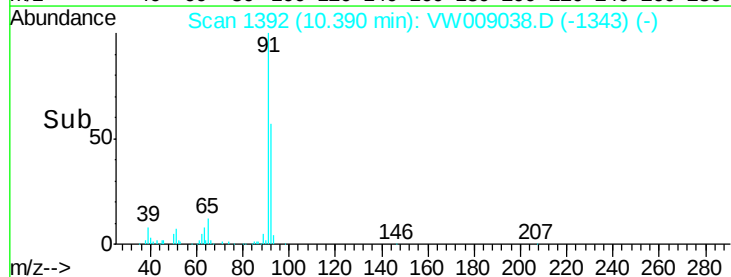
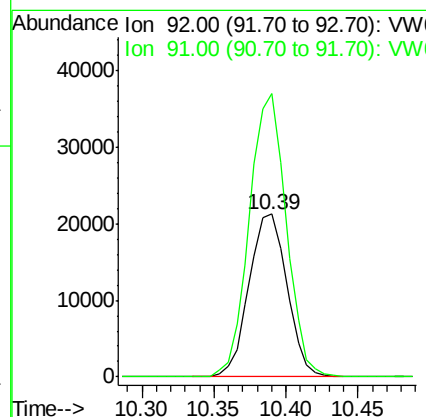
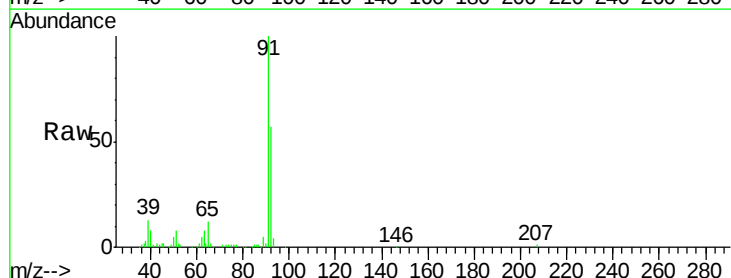
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

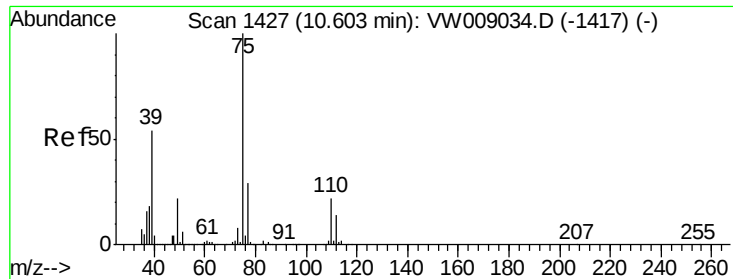
Tgt Ion: 43 Resp: 43514
 Ion Ratio Lower Upper
 43 100
 58 36.8 28.8 43.2



#52
 Toluene
 Concen: 5.438 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 92 Resp: 38823
 Ion Ratio Lower Upper
 92 100
 91 168.8 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 4.939 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

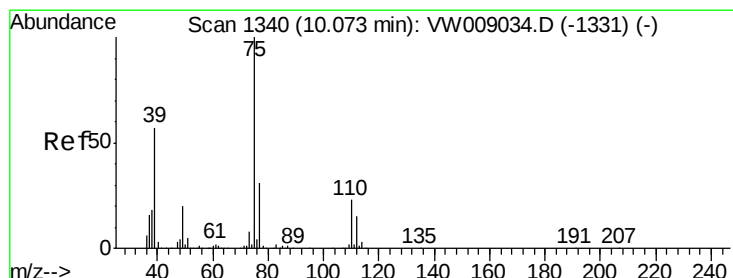
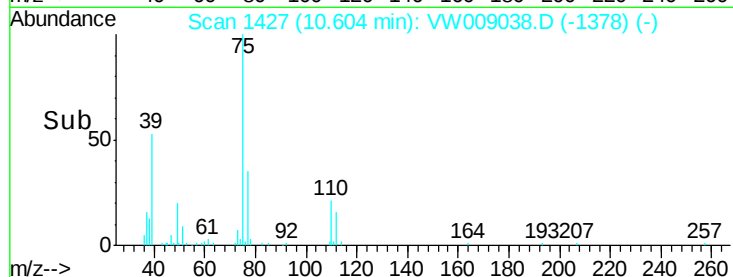
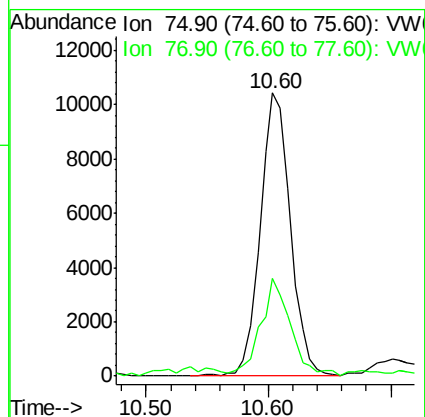
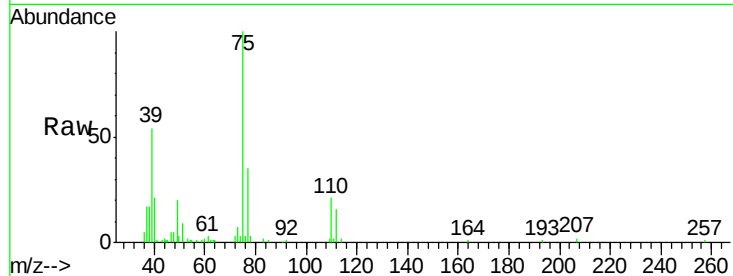
VSTDIC005

Tgt Ion: 75 Resp: 17905

Ion Ratio Lower Upper

75 100

77 33.8 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 5.167 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

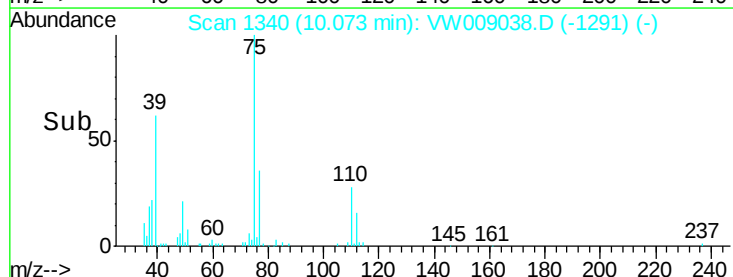
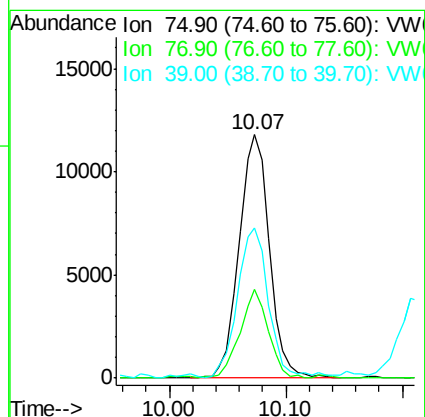
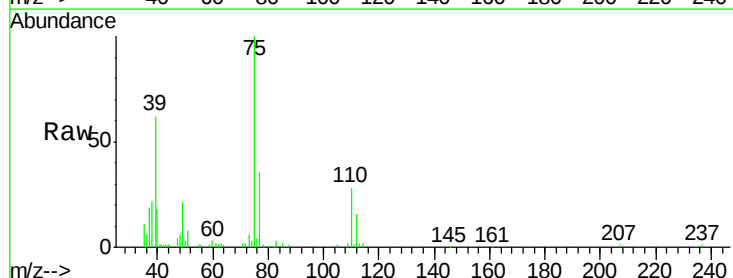
Tgt Ion: 75 Resp: 21372

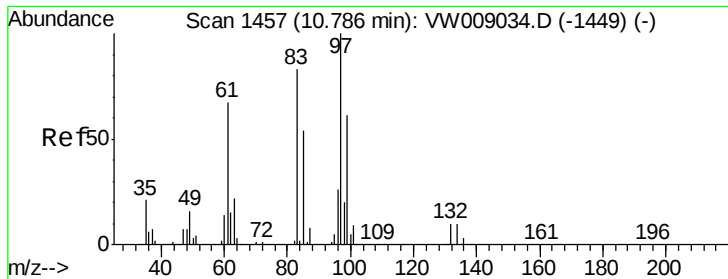
Ion Ratio Lower Upper

75 100

77 36.5 24.6 36.8

39 60.6 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 5.548 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 10874

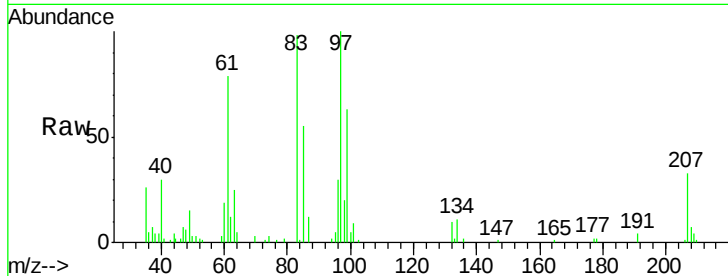
Ion Ratio Lower Upper

97 100

83 97.7 66.2 99.2

85 55.3 43.6 65.4

99 62.8 49.0 73.4

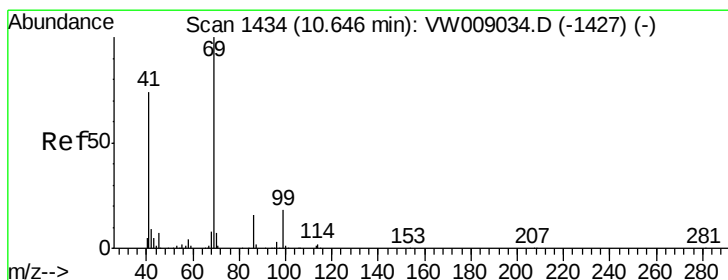
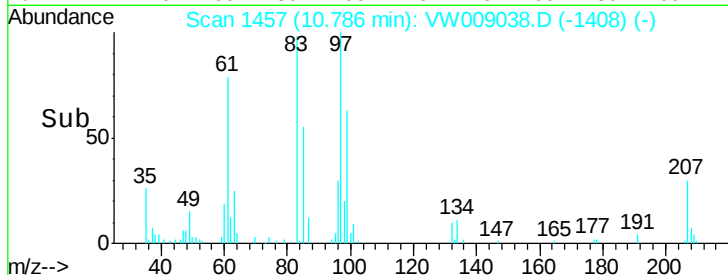
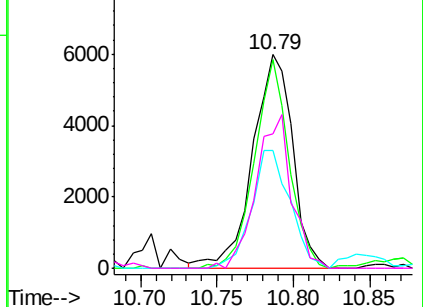


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 4.564 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

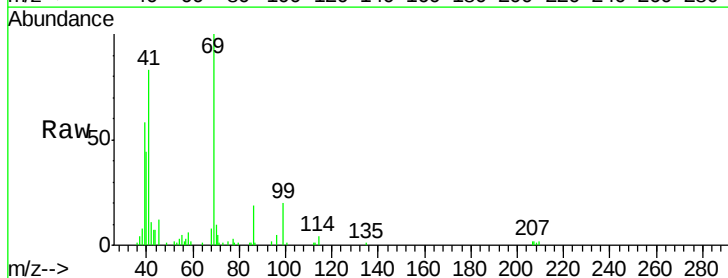
Tgt Ion: 69 Resp: 11215

Ion Ratio Lower Upper

69 100

41 84.4 59.4 89.2

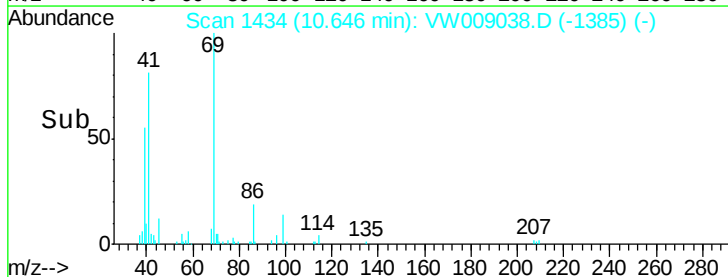
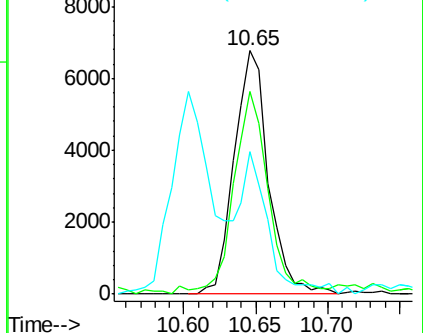
39 52.7 38.5 57.7

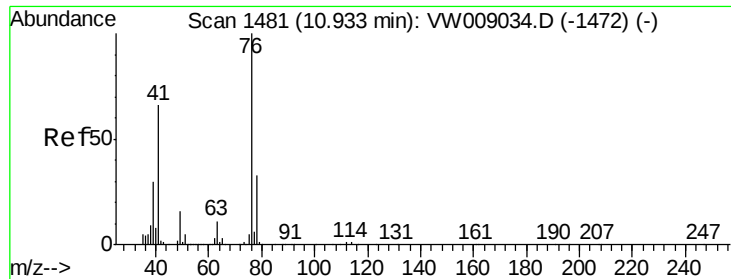


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

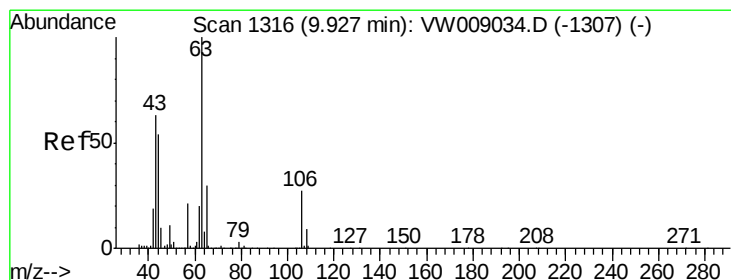
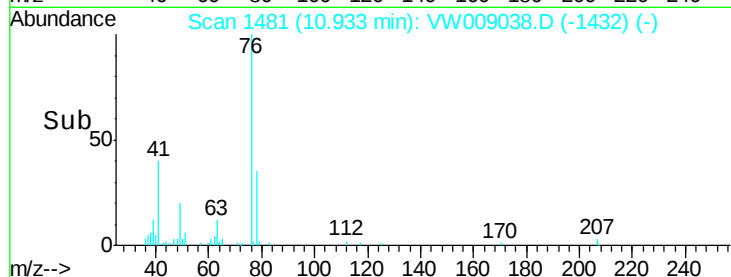
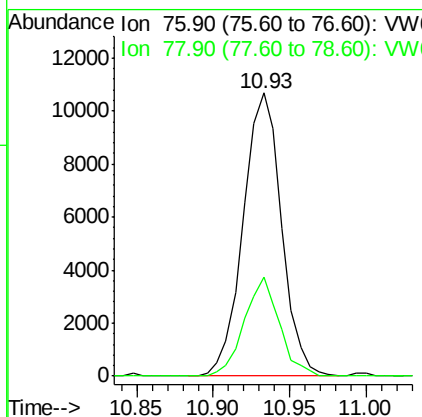
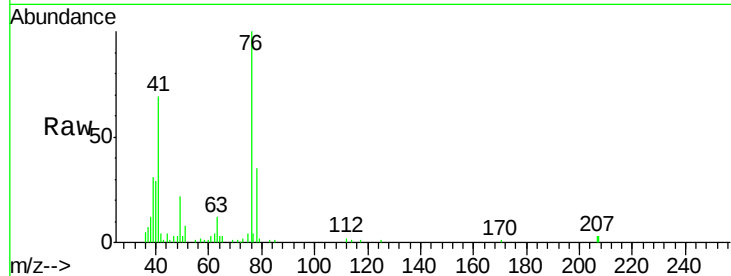




#57
 1,3-Dichloropropane
 Concen: 5.343 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

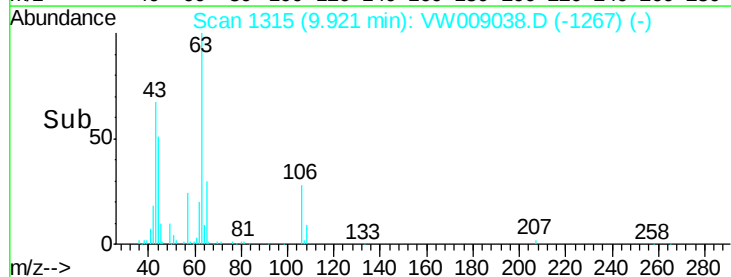
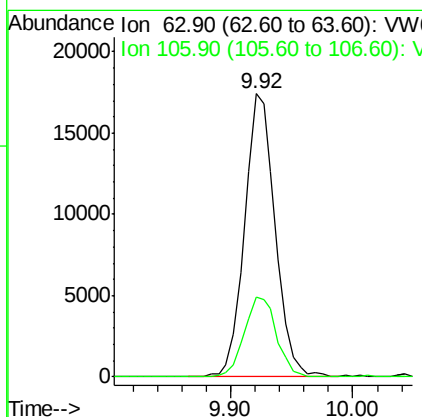
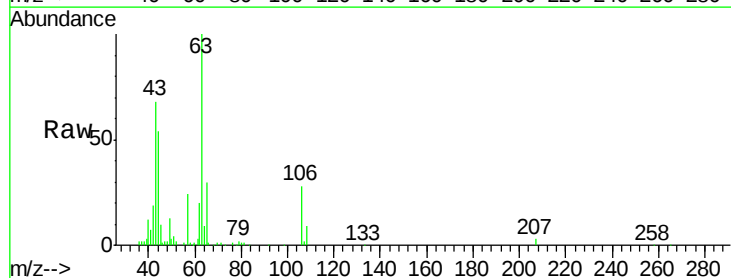
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

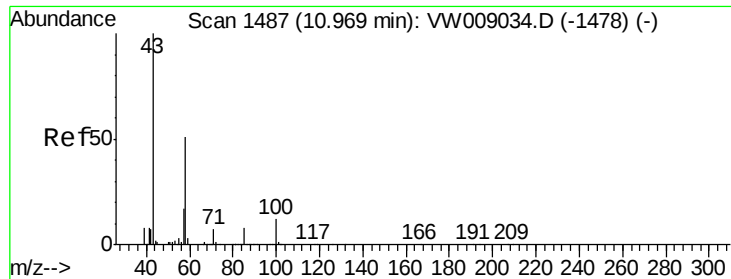
Tgt Ion: 76 Resp: 18590
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.693 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 63 Resp: 30254
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.0 34.6

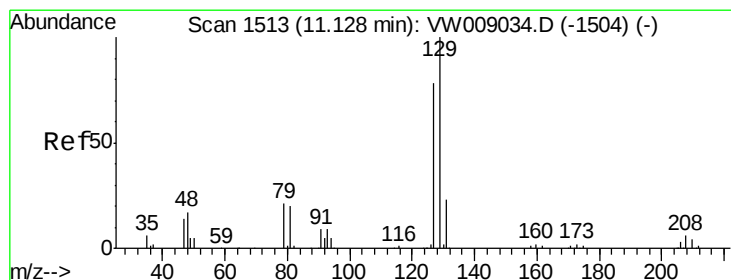
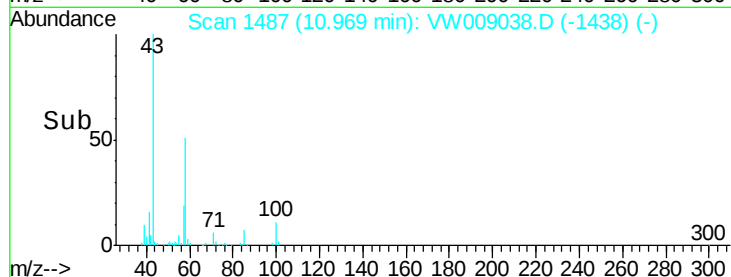
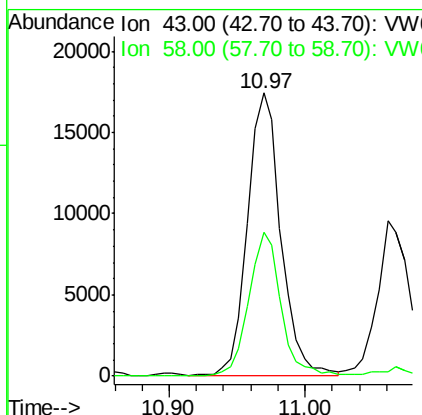
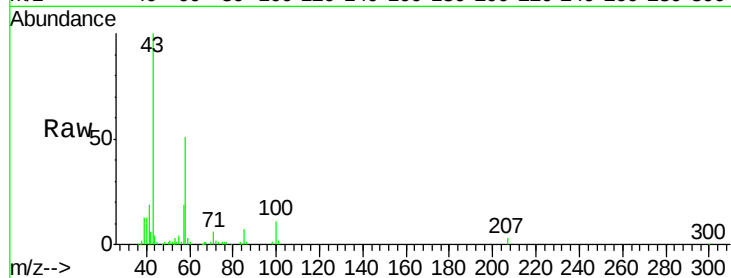




#59
2-Hexanone
Concen: 23.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

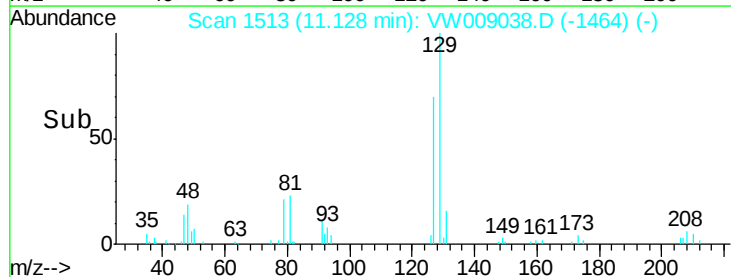
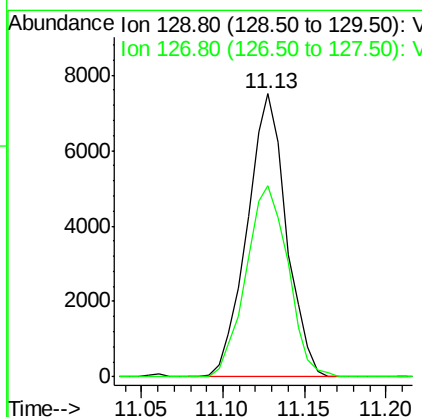
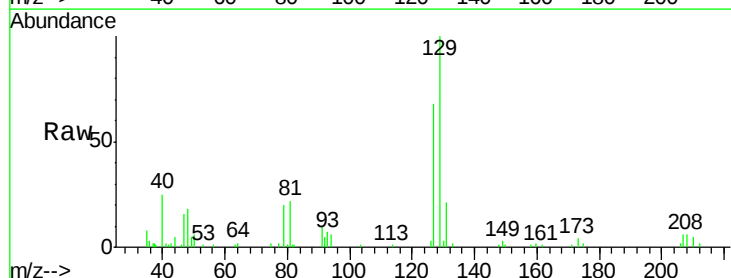
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

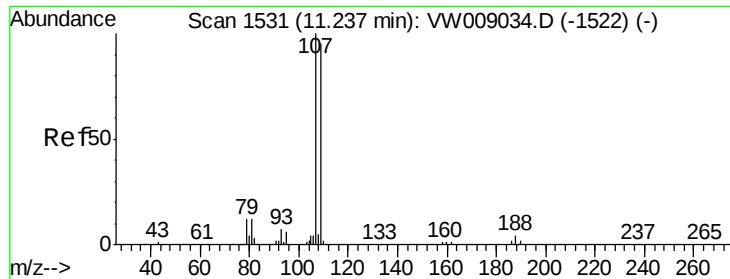
Tgt Ion: 43 Resp: 29618
Ion Ratio Lower Upper
43 100
58 49.8 25.3 75.9



#60
Dibromochloromethane
Concen: 5.241 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 129 Resp: 12619
Ion Ratio Lower Upper
129 100
127 72.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 5.544 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

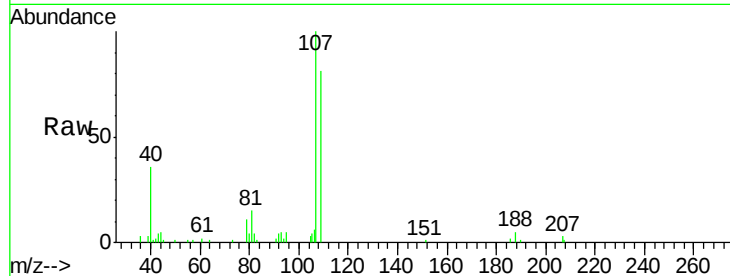
VSTDIC005

Tgt Ion: 107 Resp: 10559

Ion Ratio Lower Upper

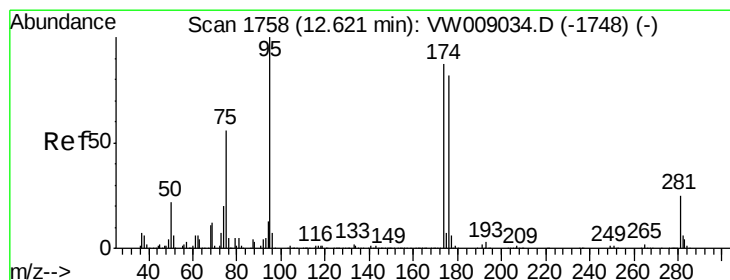
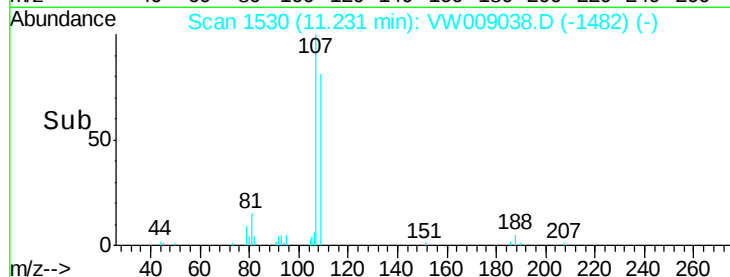
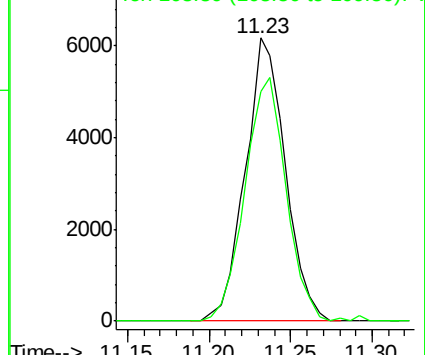
107 100

109 88.3 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.411 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

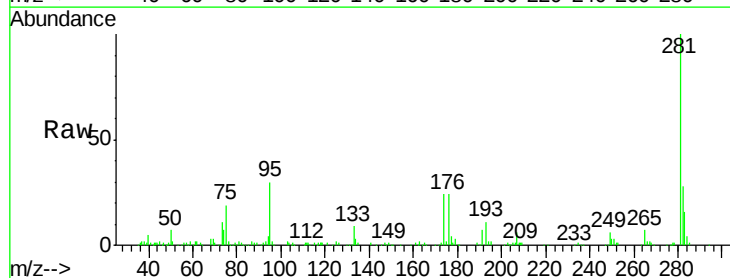
Tgt Ion: 95 Resp: 20188

Ion Ratio Lower Upper

95 100

174 83.0 0.0 167.0

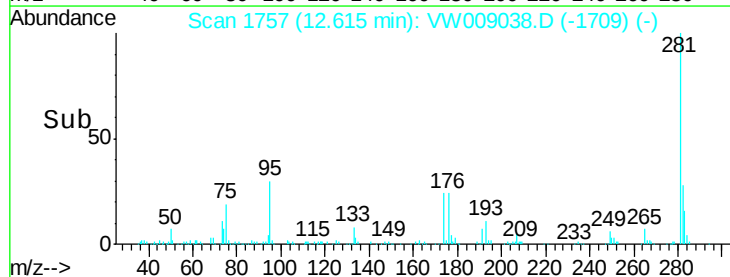
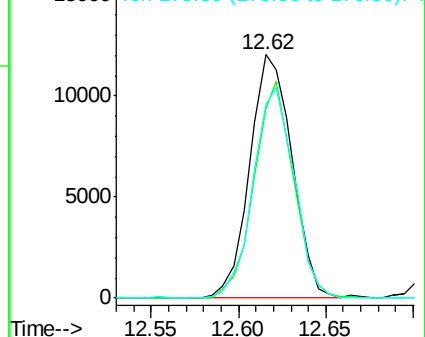
176 83.9 0.0 159.4

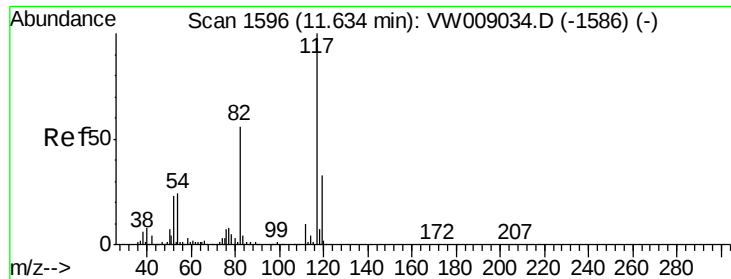


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

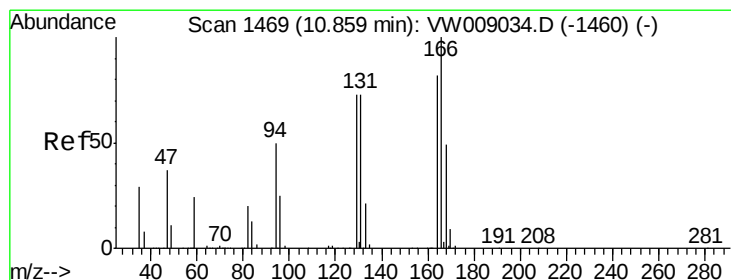
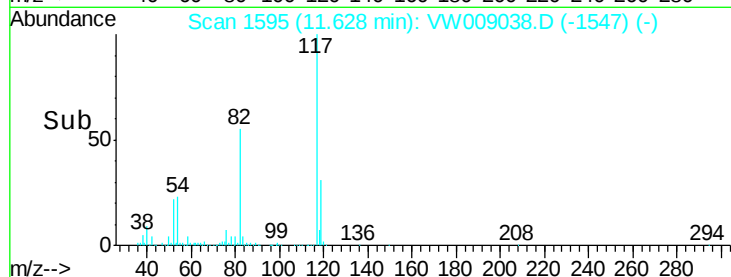
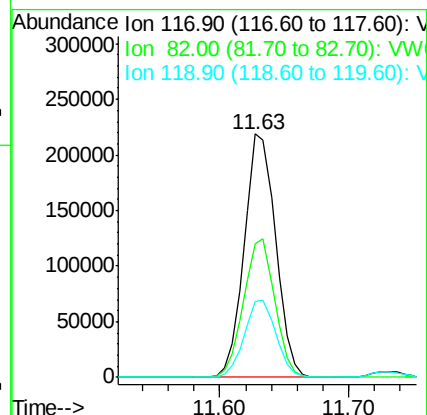
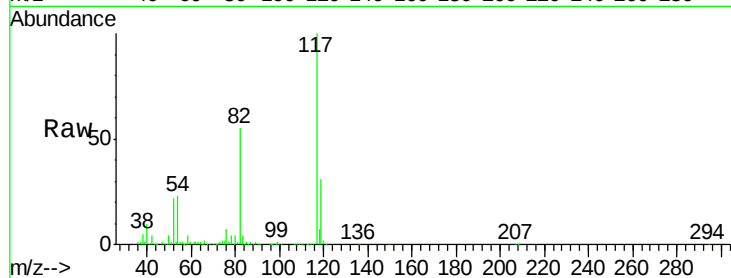




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

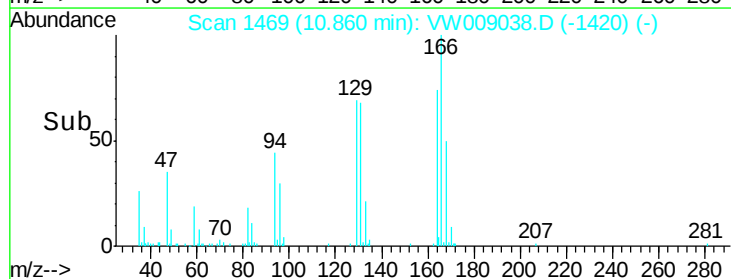
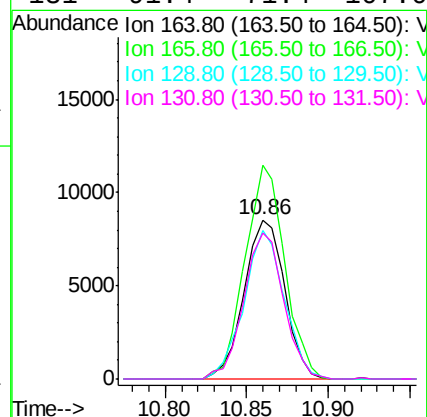
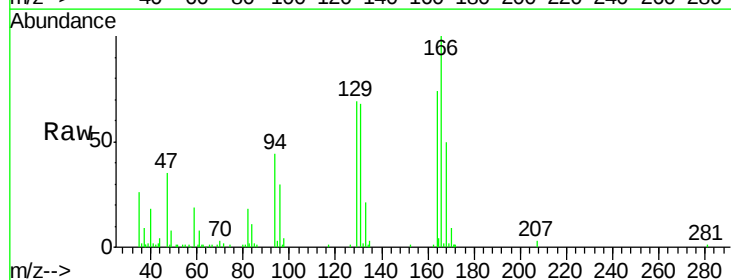
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

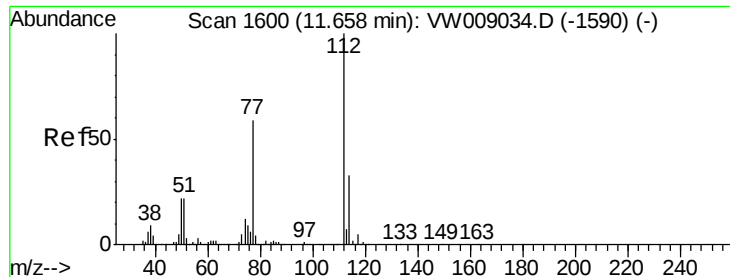
Tgt Ion:117 Resp: 368782
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.6
119 31.3 26.6 39.8



#64
Tetrachloroethene
Concen: 5.519 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion:164 Resp: 14776
Ion Ratio Lower Upper
164 100
166 134.2 97.8 146.6
129 93.3 71.6 107.4
131 91.4 71.4 107.0





#65

Chlorobenzene

Concen: 5.696 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

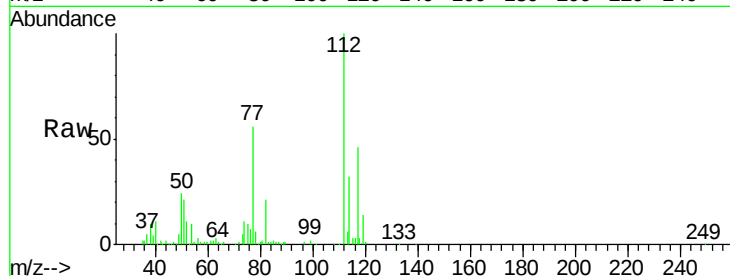
VSTDIC005

Tgt Ion:112 Resp: 45256

Ion Ratio Lower Upper

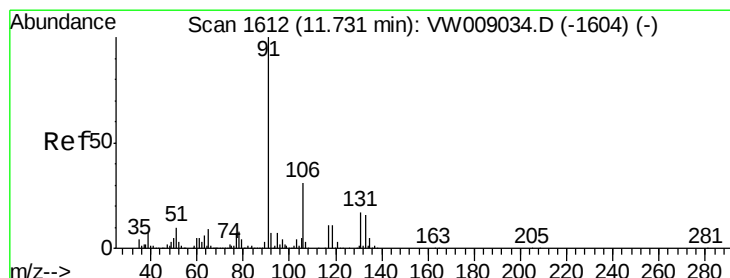
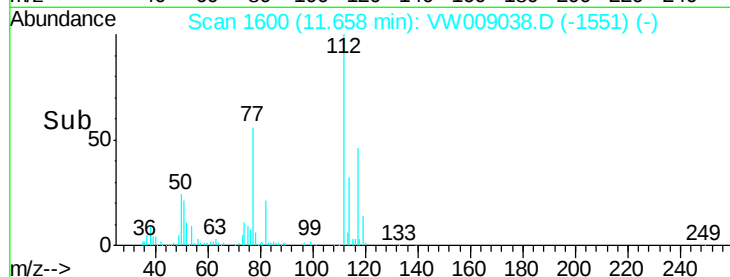
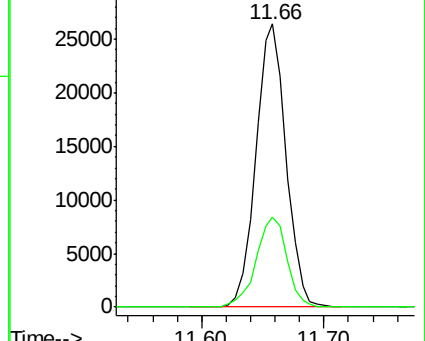
112 100

114 32.0 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.258 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

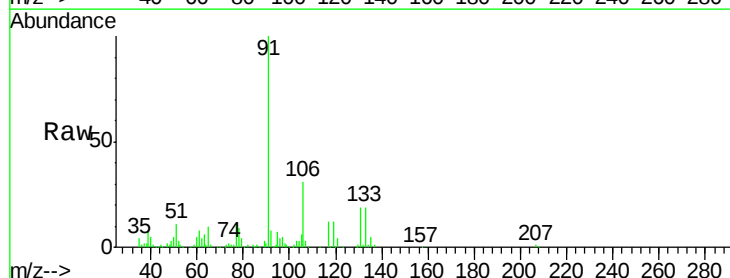
Tgt Ion:131 Resp: 13927

Ion Ratio Lower Upper

131 100

133 104.1 47.6 142.8

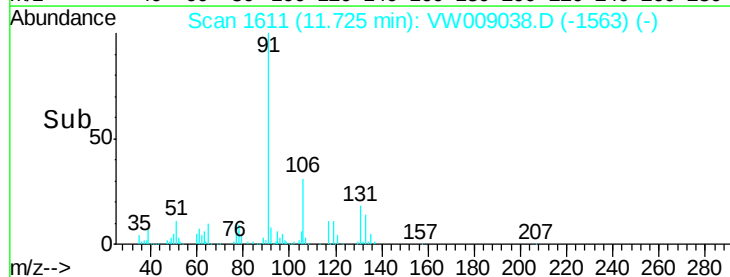
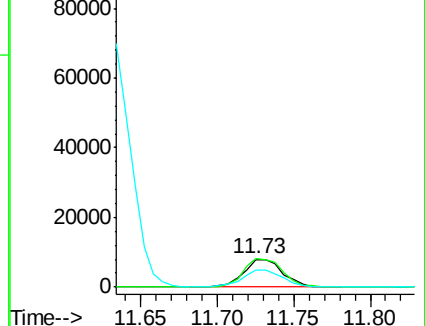
119 64.8 31.3 93.8

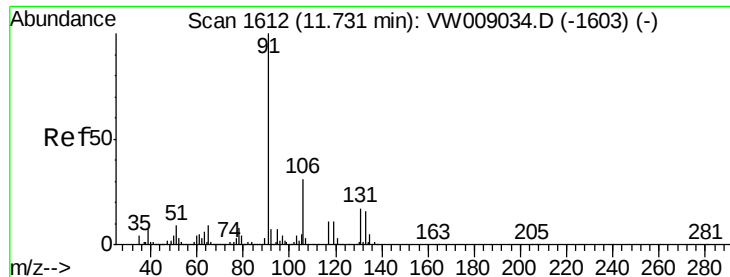


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

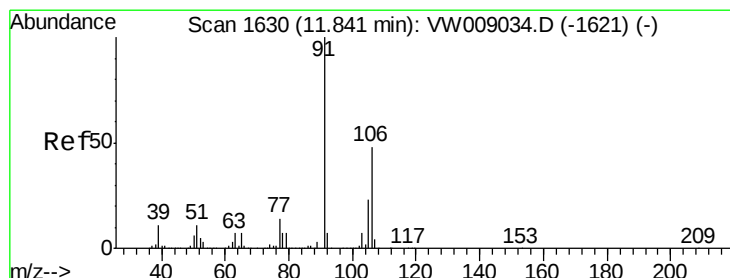
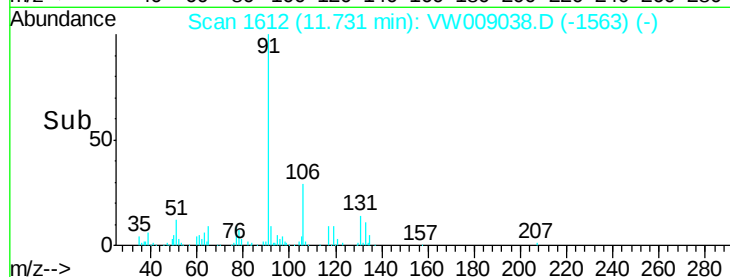
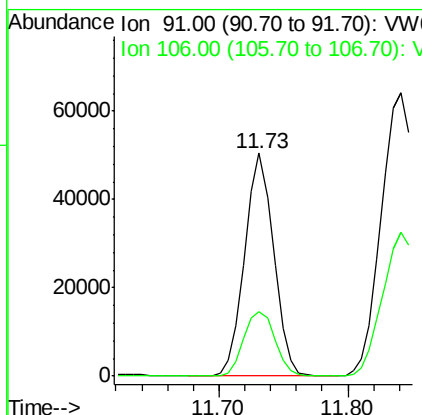
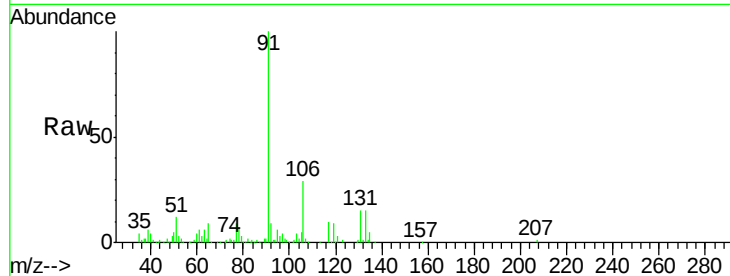




#67
Ethyl Benzene
Concen: 5.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

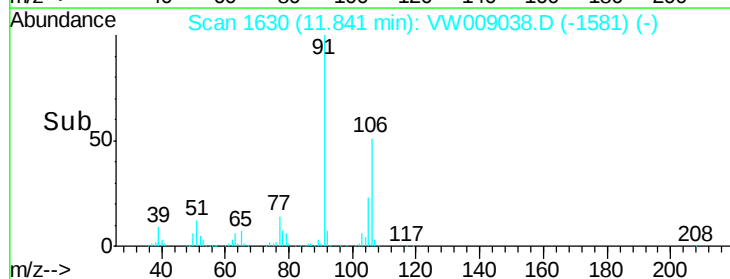
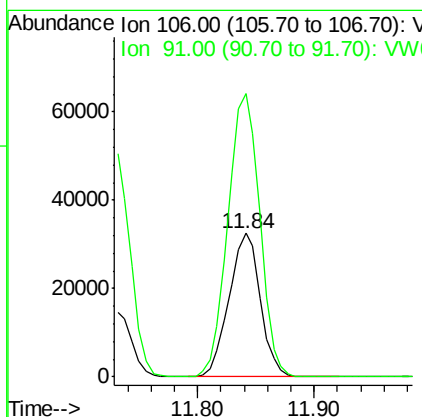
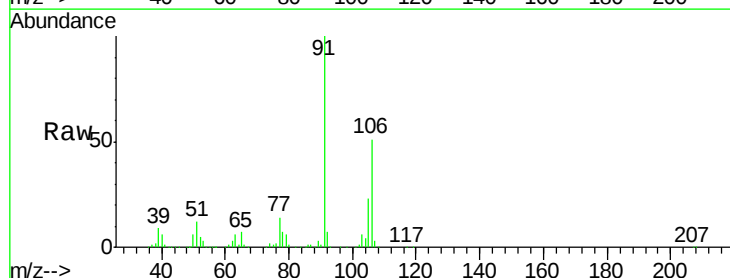
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

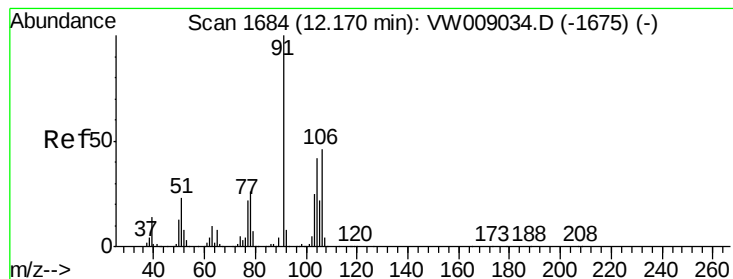
Tgt Ion: 91 Resp: 78689
Ion Ratio Lower Upper
91 100
106 29.1 25.0 37.4



#68
m/p-Xylenes
Concen: 10.753 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 106 Resp: 60661
Ion Ratio Lower Upper
106 100
91 201.3 163.2 244.8





#69

o-Xylene

Concen: 5.283 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

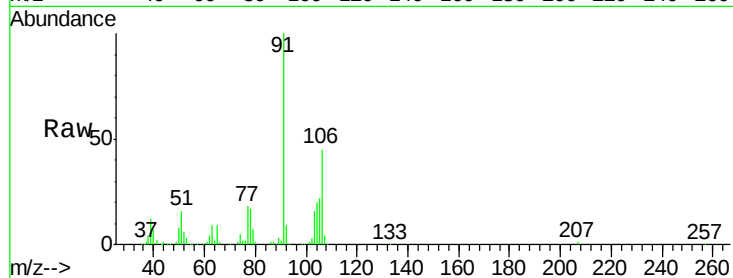
VSTDIC005

Tgt Ion:106 Resp: 27787

Ion Ratio Lower Upper

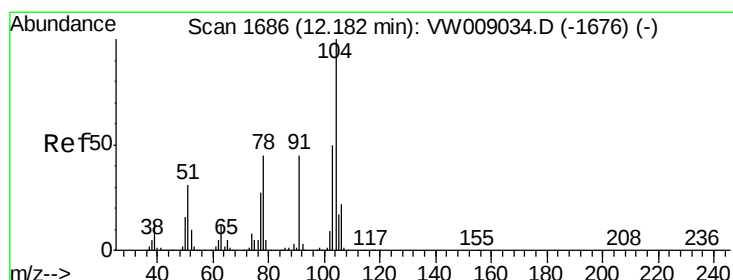
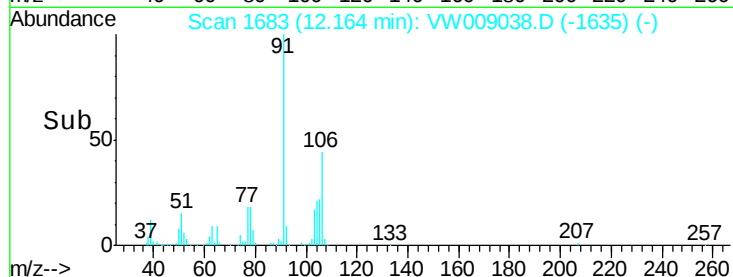
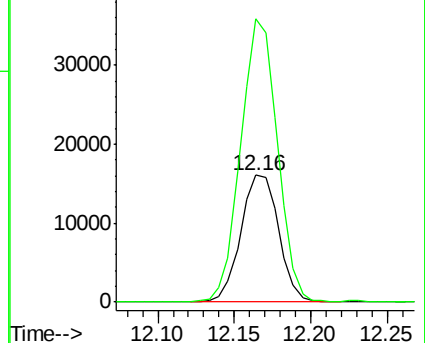
106 100

91 215.1 108.6 325.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 4.971 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

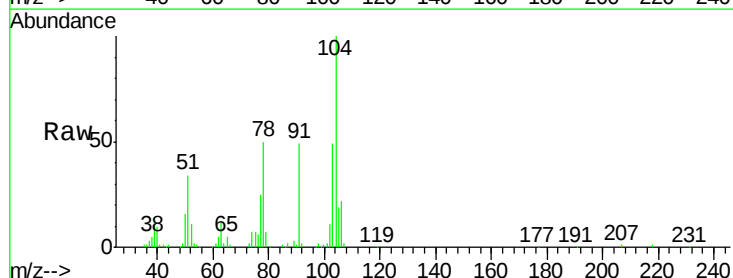
Tgt Ion:104 Resp: 42560

Ion Ratio Lower Upper

104 100

78 53.6 42.1 63.1

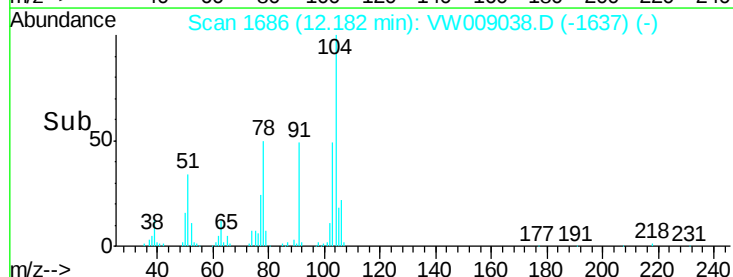
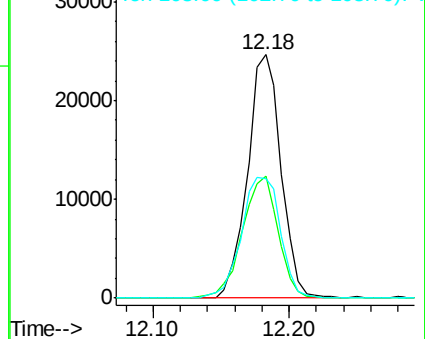
103 57.9 43.9 65.9

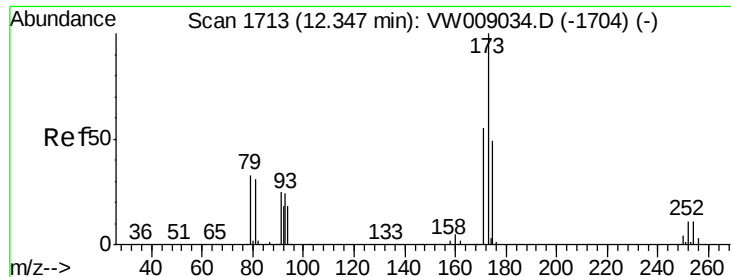


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.982 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

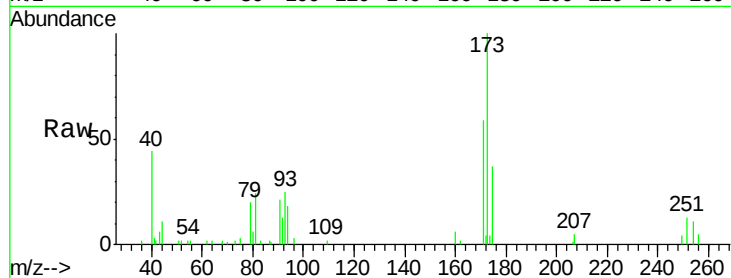
Tgt Ion:173 Resp: 7155

Ion Ratio Lower Upper

173 100

175 46.8 24.6 74.0

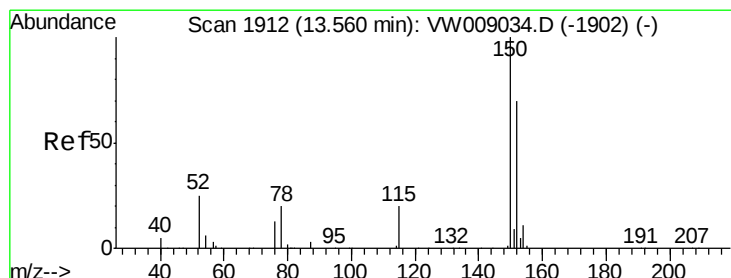
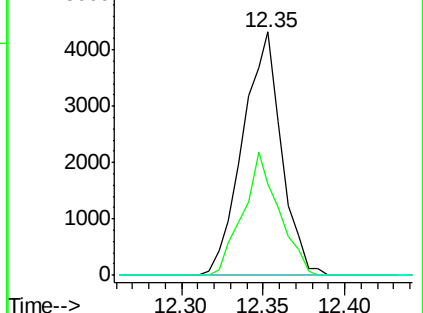
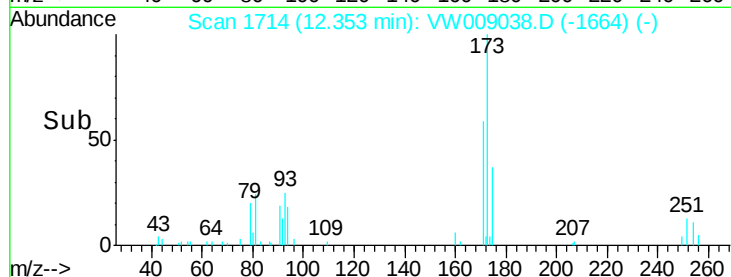
254 0.0 0.0 0.0



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: VW009038.D

Acq: 07 Mar 2019 14:20

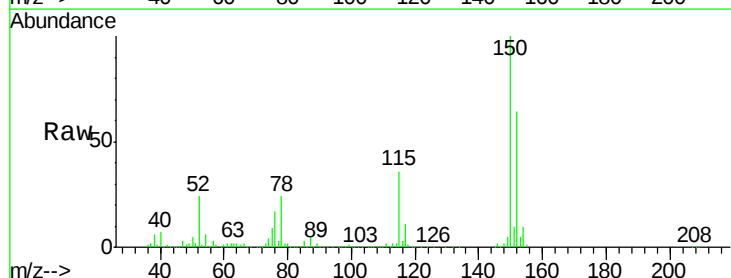
Tgt Ion:152 Resp: 202899

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

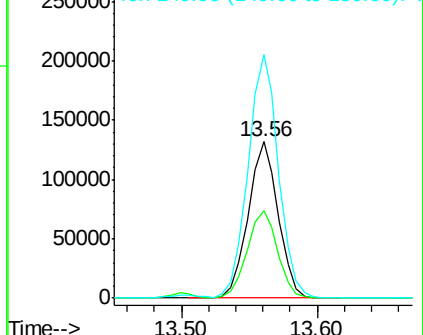
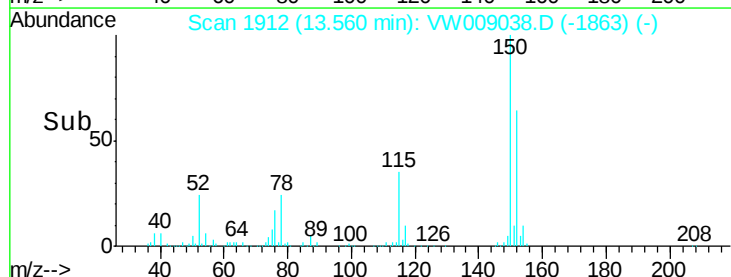
150 158.2 0.0 349.2

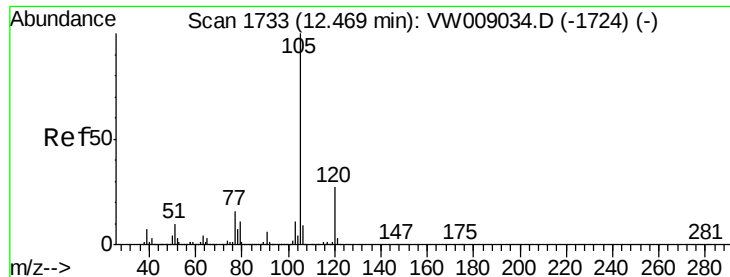


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.214 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

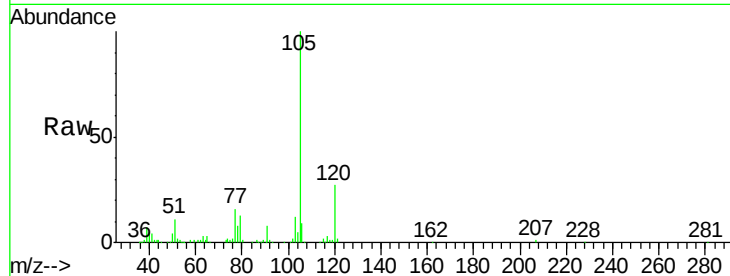
VSTDIC005

Tgt Ion: 105 Resp: 75170

Ion Ratio Lower Upper

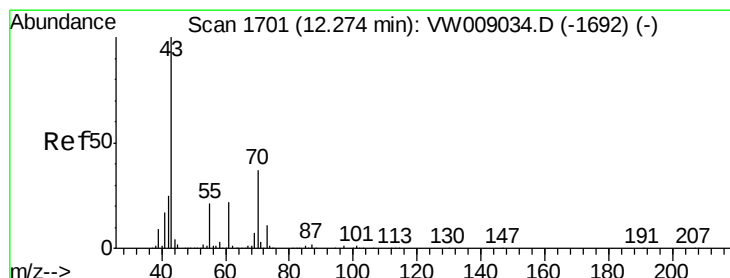
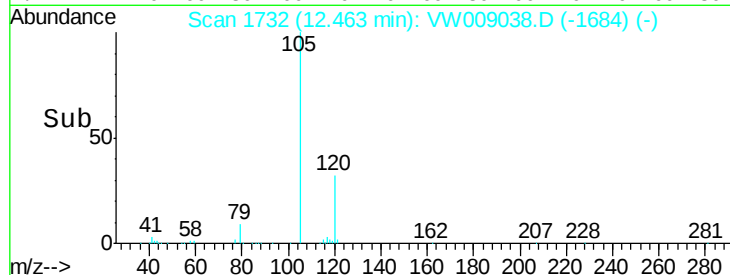
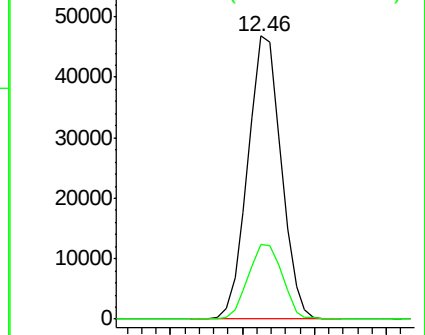
105 100

120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.652 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion: 43 Resp: 16035

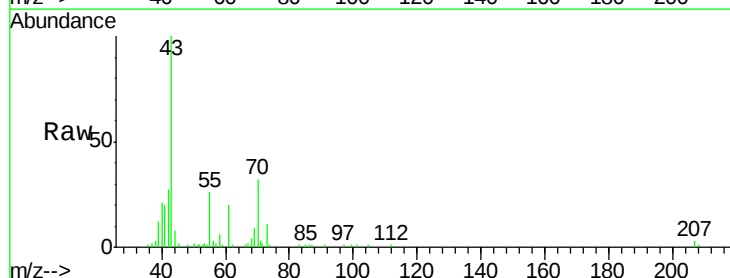
Ion Ratio Lower Upper

43 100

70 41.7 30.8 46.2

55 26.2 17.8 26.8

61 23.3 17.4 26.2

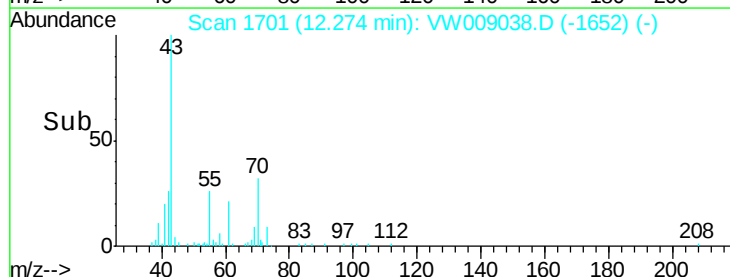
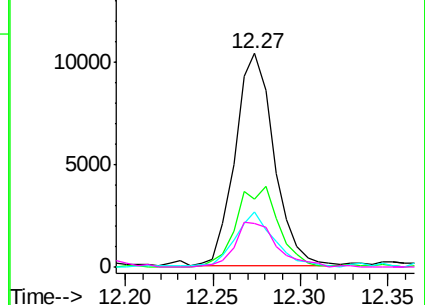


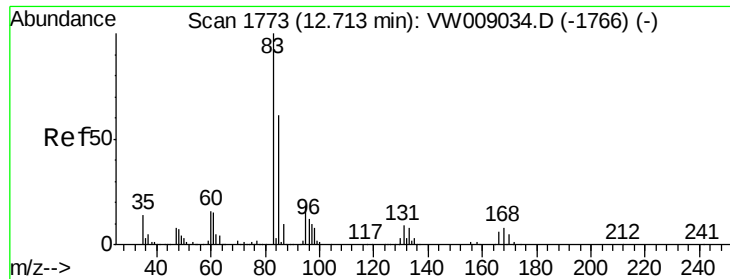
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 5.248 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

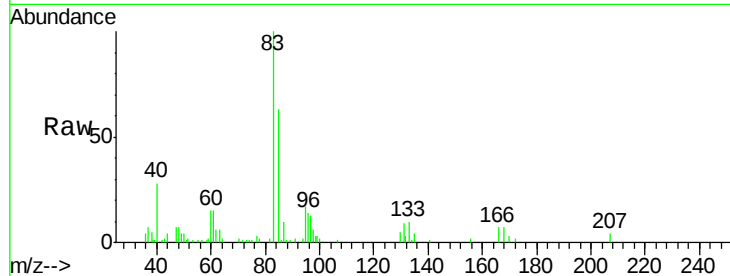
Tgt Ion: 83 Resp: 12035

Ion Ratio Lower Upper

83 100

131 13.6 5.5 16.7

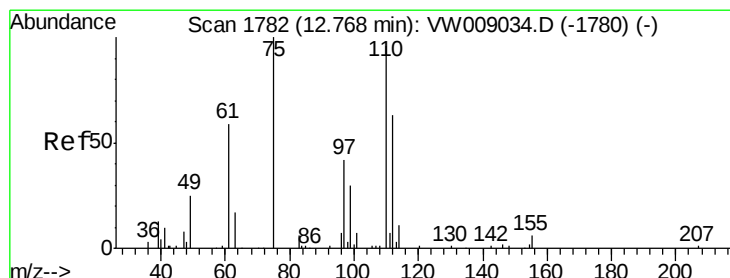
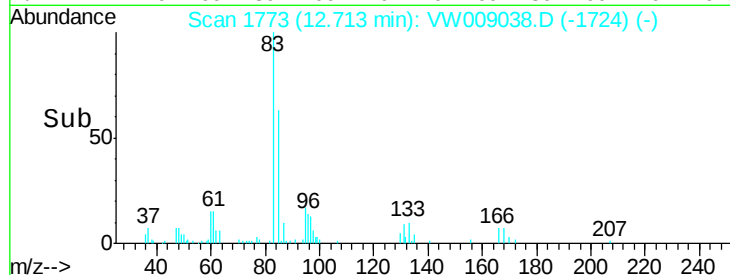
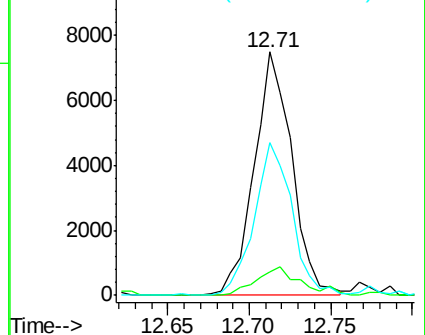
85 63.0 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 7.403 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009038.D

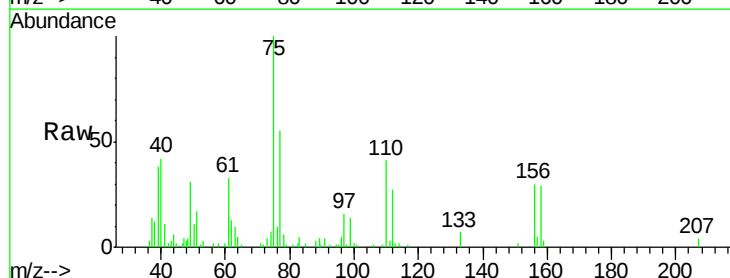
Acq: 07 Mar 2019 14:20

Tgt Ion: 75 Resp: 16726

Ion Ratio Lower Upper

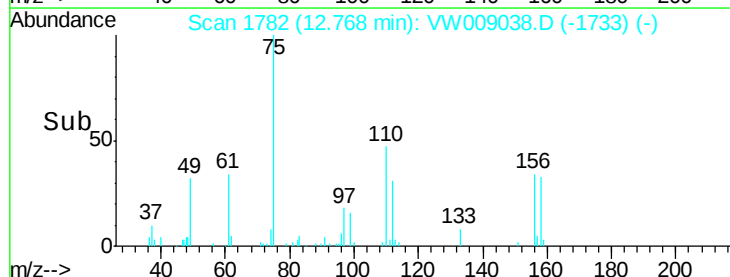
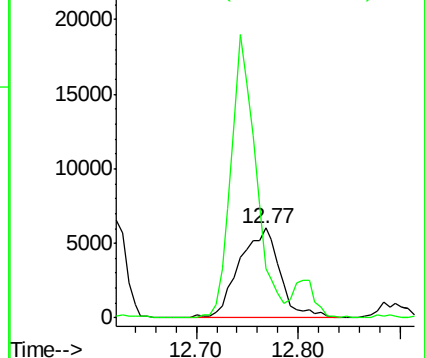
75 100

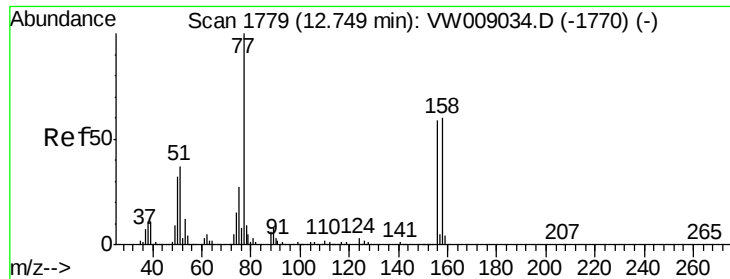
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.536 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

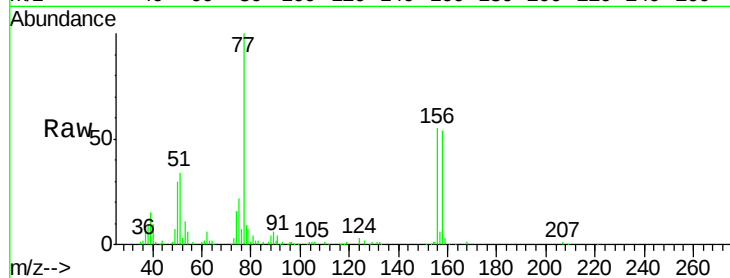
Tgt Ion:156 Resp: 18252

Ion Ratio Lower Upper

156 100

77 176.6 93.0 279.2

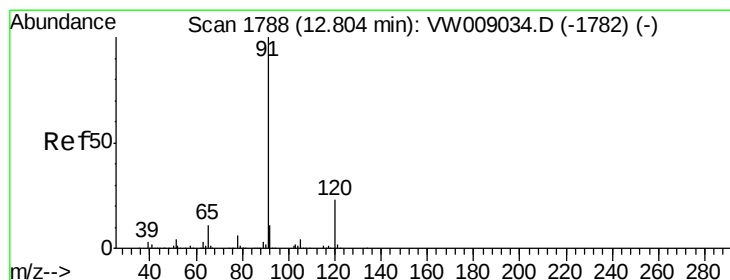
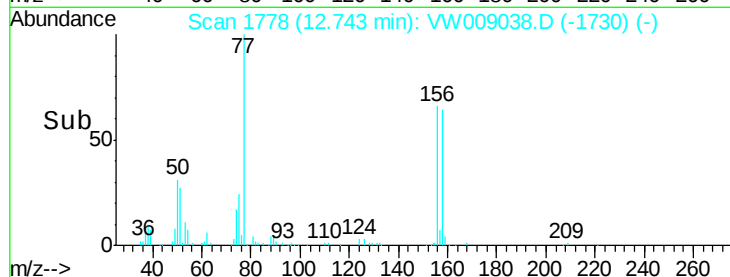
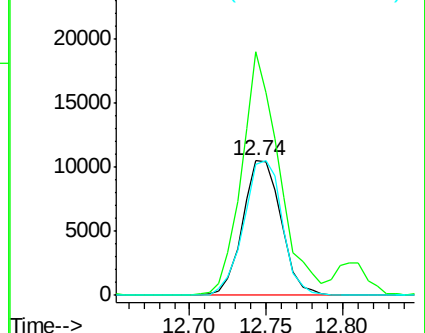
158 100.4 50.0 149.8



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: 5.245 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009038.D

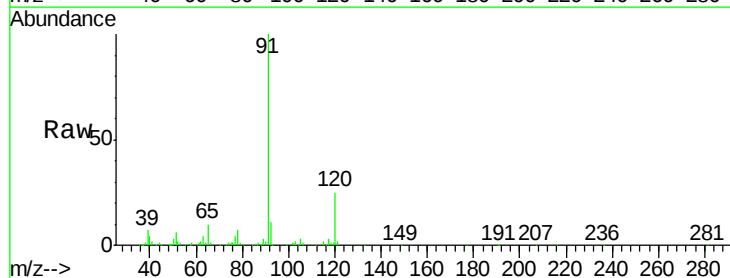
Acq: 07 Mar 2019 14:20

Tgt Ion: 91 Resp: 92836

Ion Ratio Lower Upper

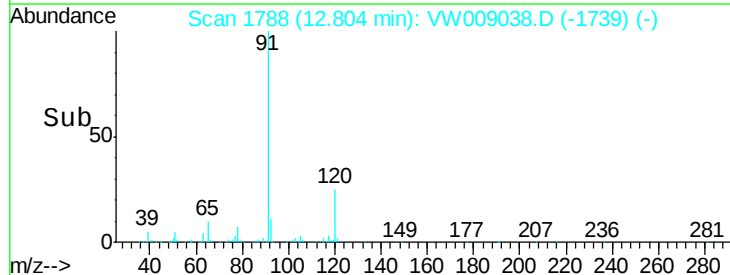
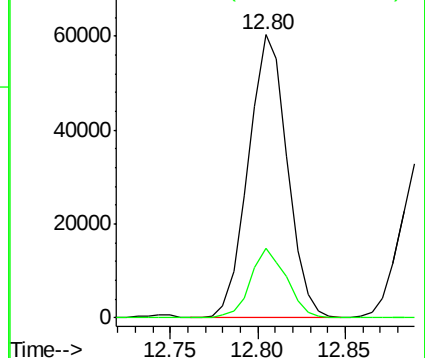
91 100

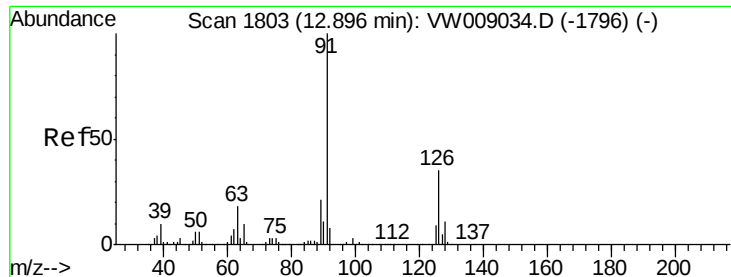
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.403 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

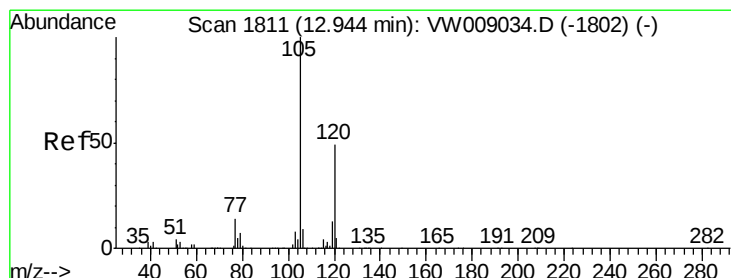
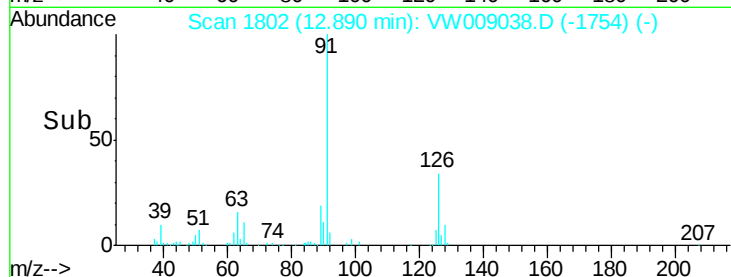
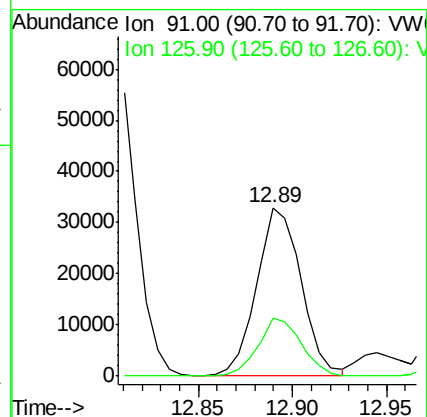
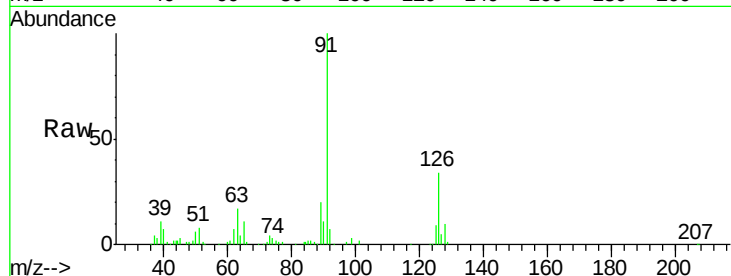
VSTDIC005

Tgt Ion: 91 Resp: 53738

Ion Ratio Lower Upper

91 100

126 34.1 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 5.171 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009038.D

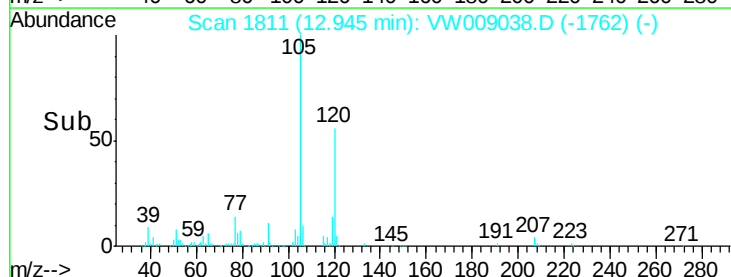
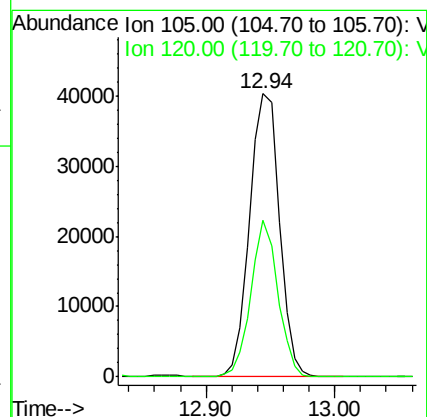
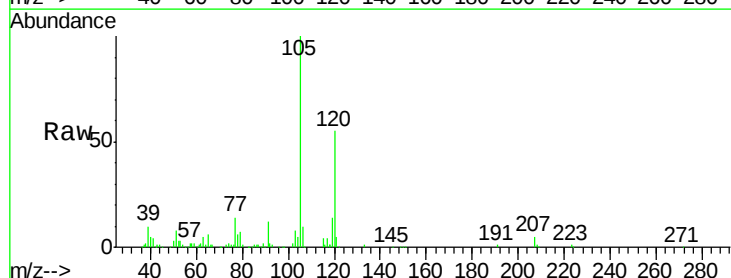
Acq: 07 Mar 2019 14:20

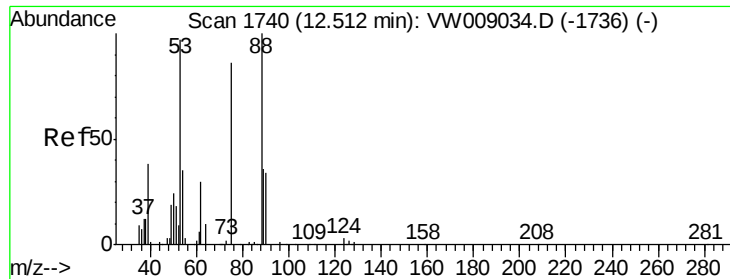
Tgt Ion: 105 Resp: 64260

Ion Ratio Lower Upper

105 100

120 50.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.726 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

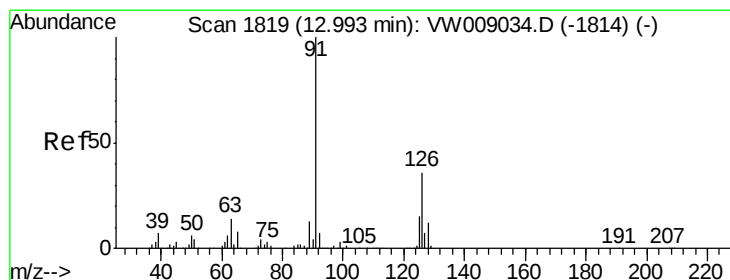
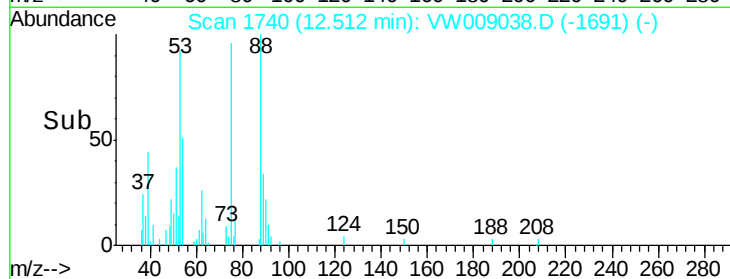
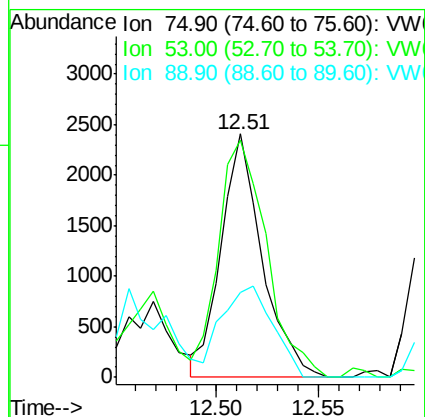
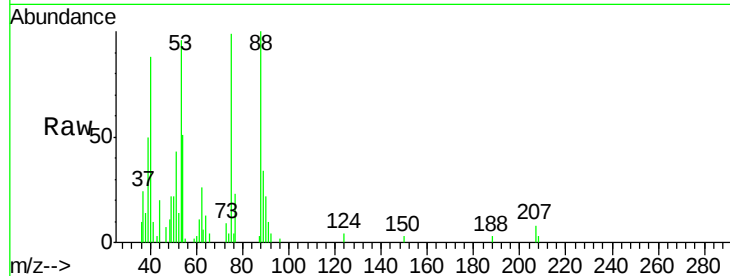
Tgt Ion: 75 Resp: 3361

Ion Ratio Lower Upper

75 100

53 114.8 90.5 135.7

89 46.5 37.5 56.3



#82

4-Chlorotoluene

Concen: 5.463 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009038.D

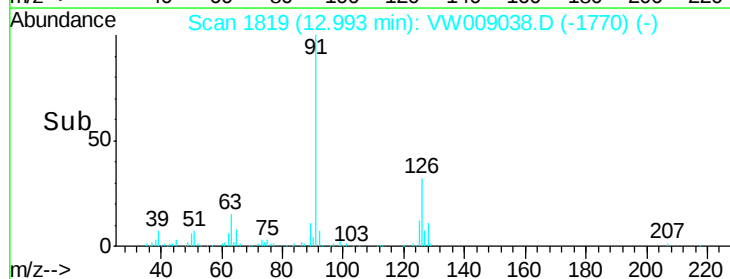
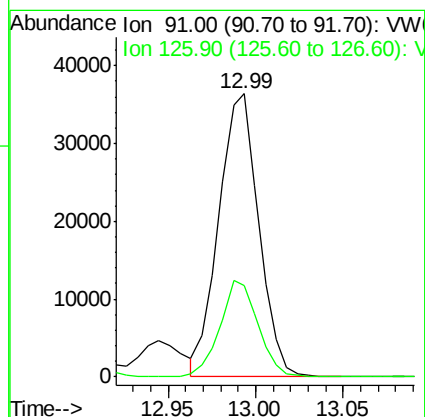
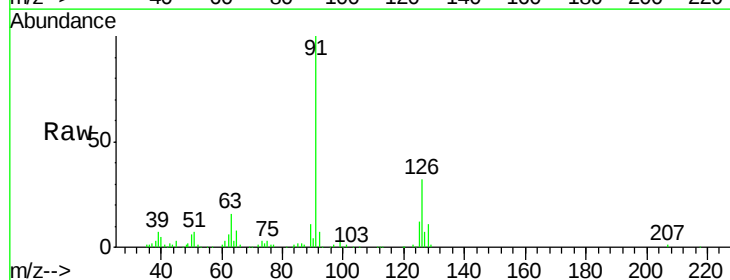
Acq: 07 Mar 2019 14:20

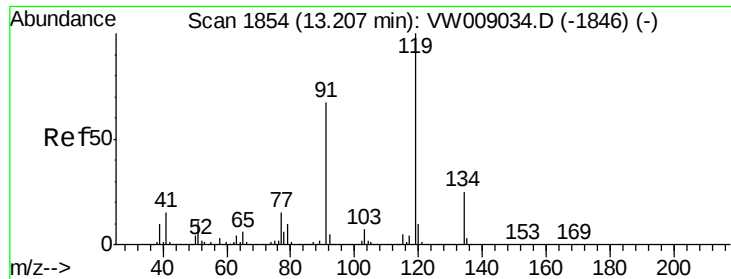
Tgt Ion: 91 Resp: 57890

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8

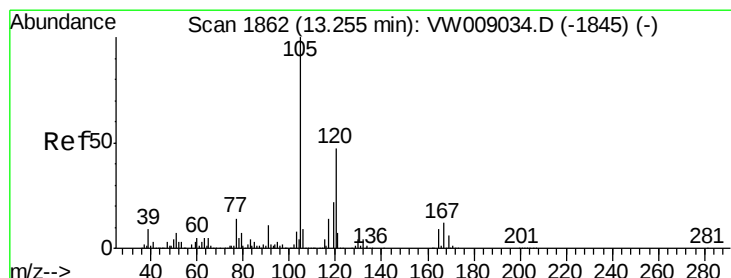
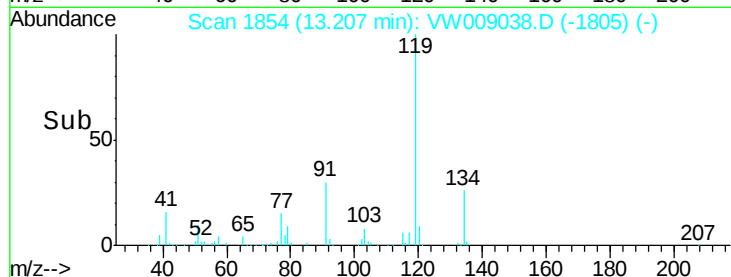
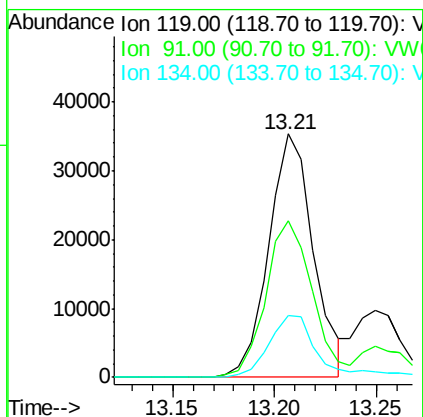
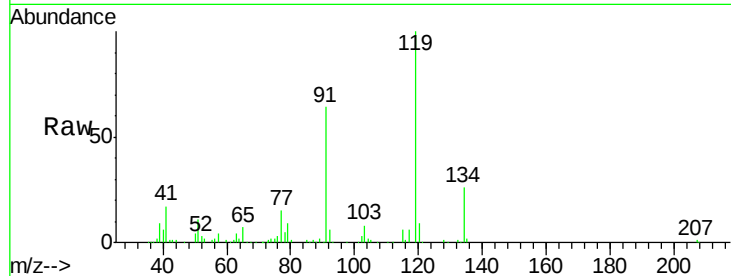




#83
tert-Butylbenzene
Concen: 5.177 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

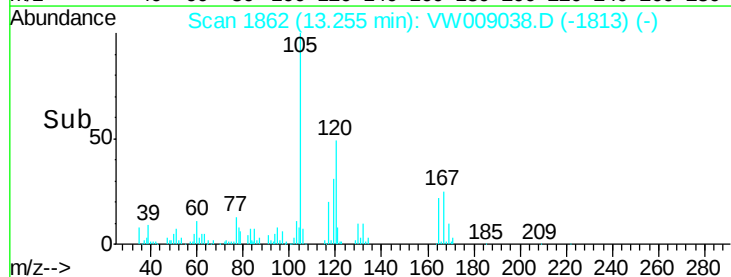
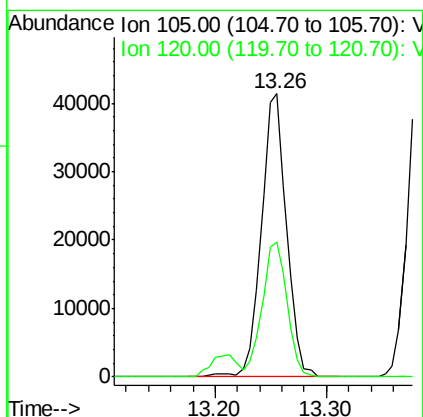
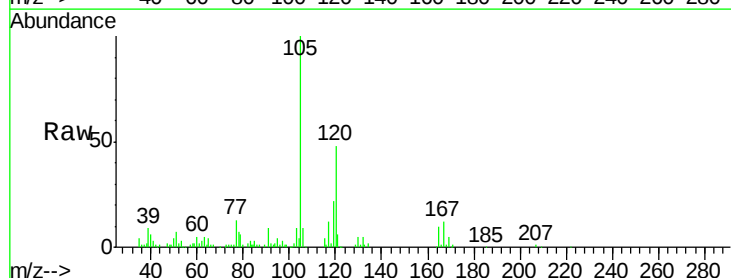
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

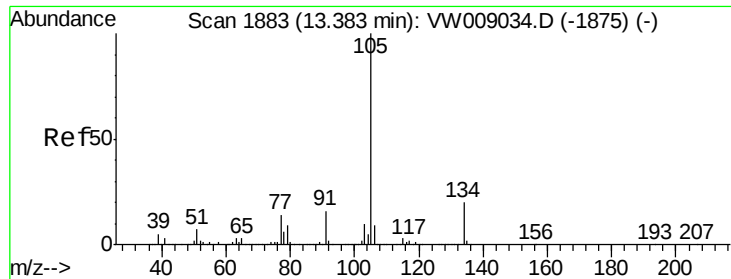
Tgt Ion:119 Resp: 54040
Ion Ratio Lower Upper
119 100
91 67.6 34.2 102.5
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 5.205 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion:105 Resp: 65292
Ion Ratio Lower Upper
105 100
120 46.9 22.8 68.4

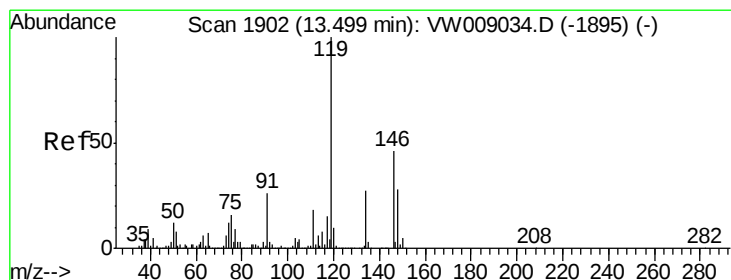
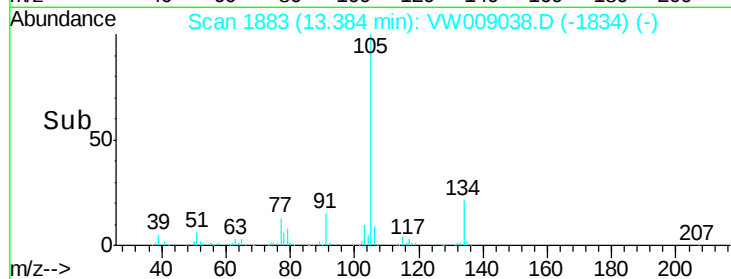
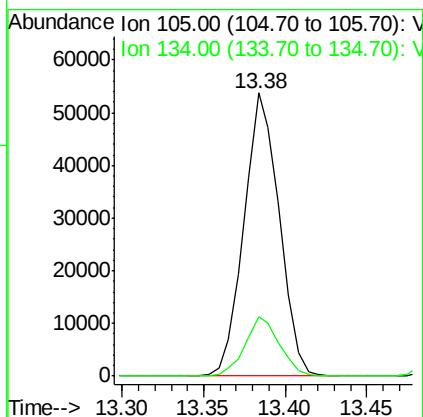
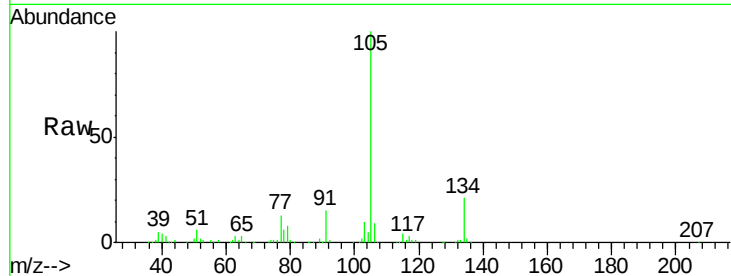




#85
 sec-Butylbenzene
 Concen: 5.236 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

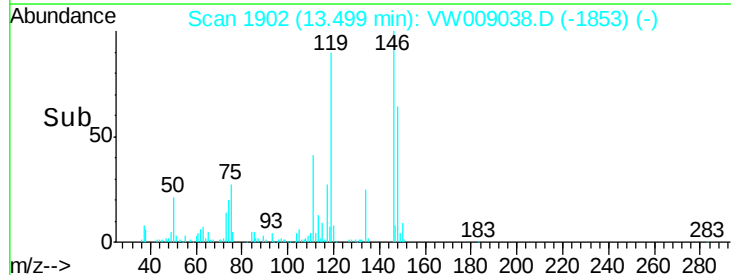
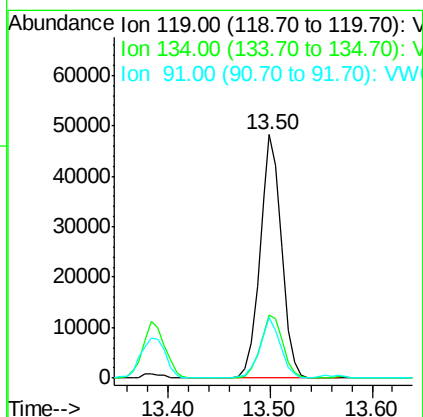
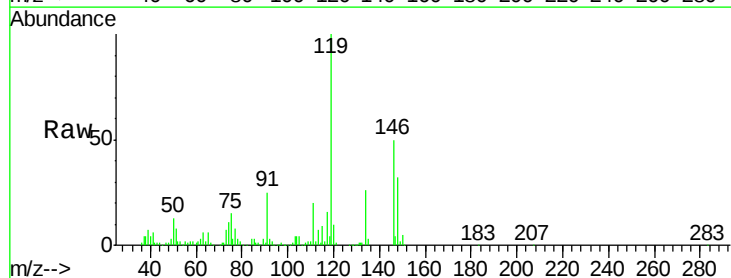
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

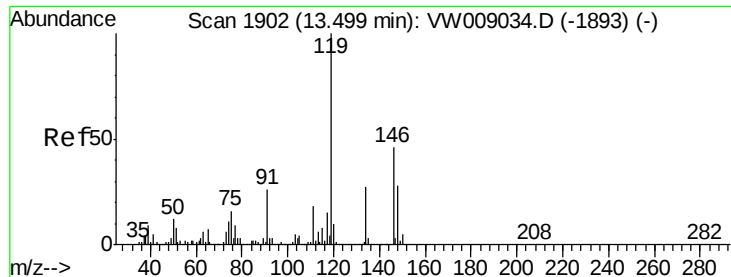
Tgt Ion:105 Resp: 80983
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 5.121 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion:119 Resp: 70988
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.3 39.9
 91 24.1 12.3 36.9

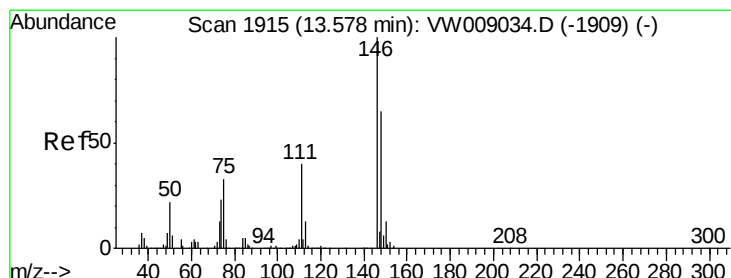
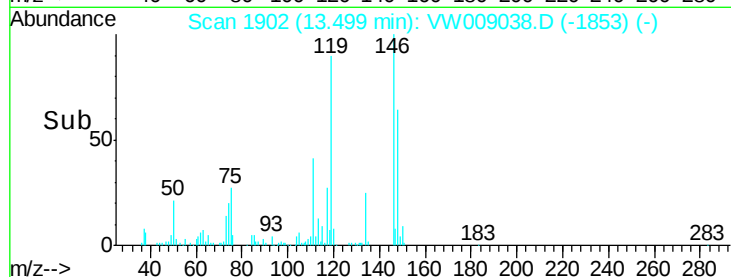
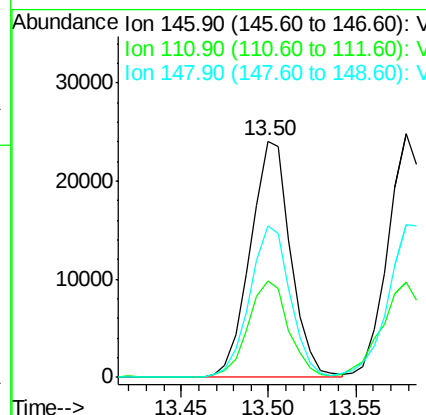
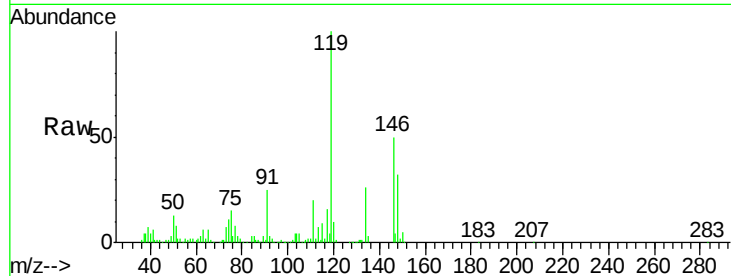




#87
 1,3-Dichlorobenzene
 Concen: 5.592 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

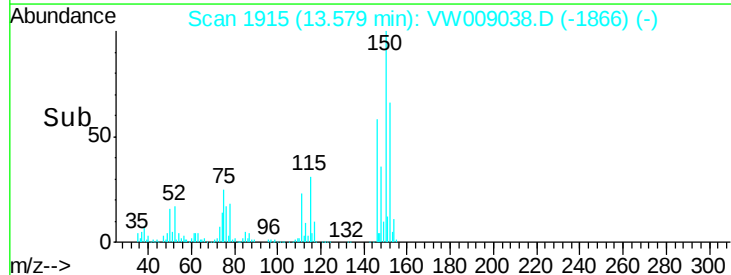
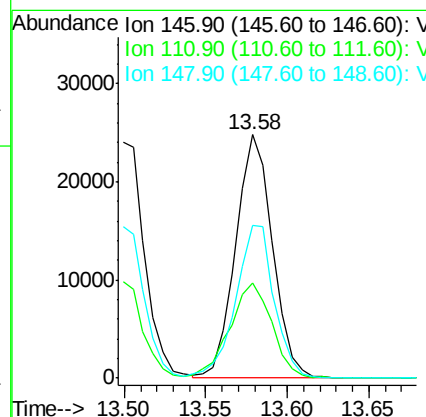
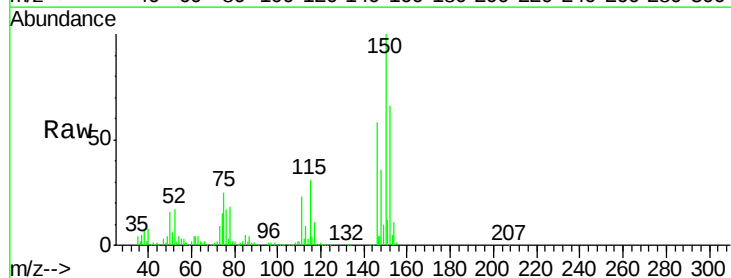
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

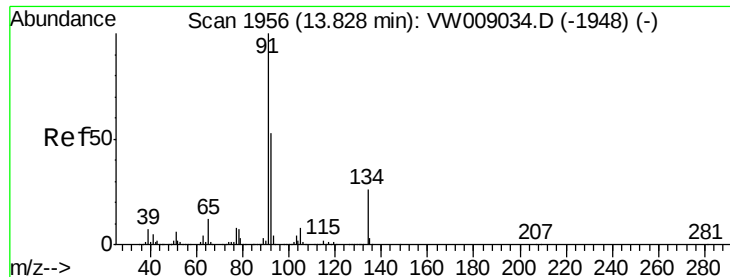
Tgt Ion:146 Resp: 38660
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.8 59.4
 148 64.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 5.715 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion:146 Resp: 39029
 Ion Ratio Lower Upper
 146 100
 111 45.1 19.7 59.0
 148 65.8 32.2 96.6

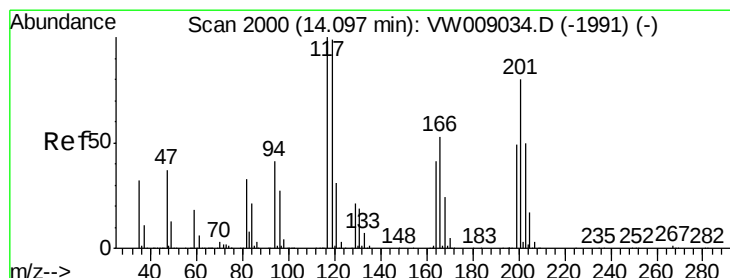
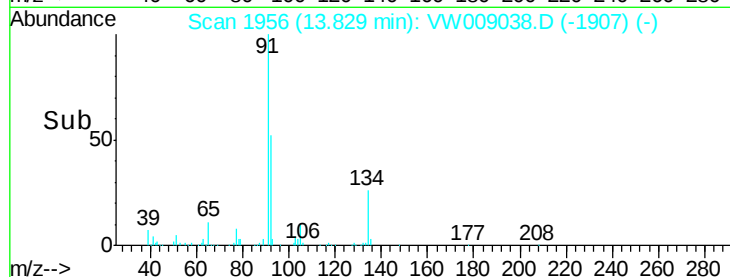
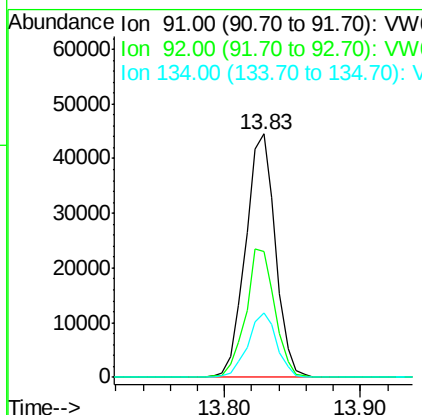
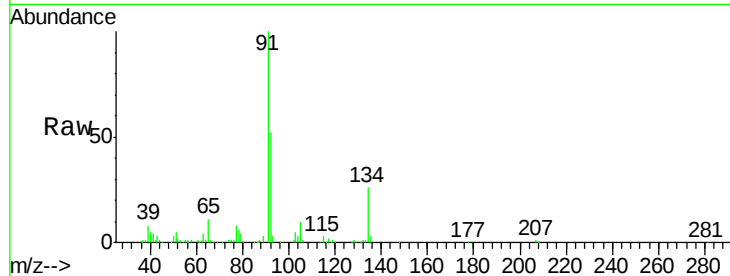




#89
n-Butylbenzene
Concen: 5.157 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

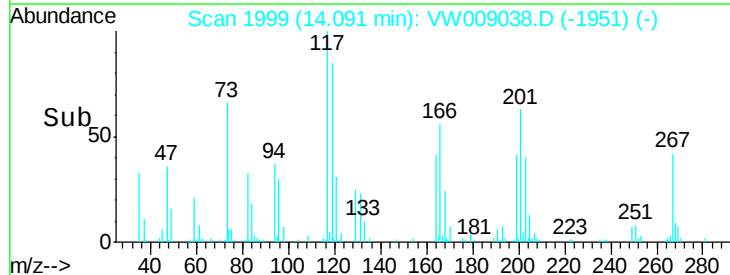
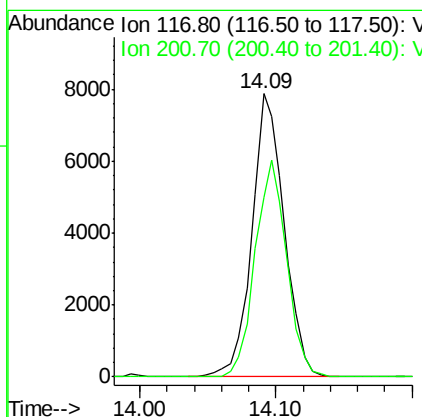
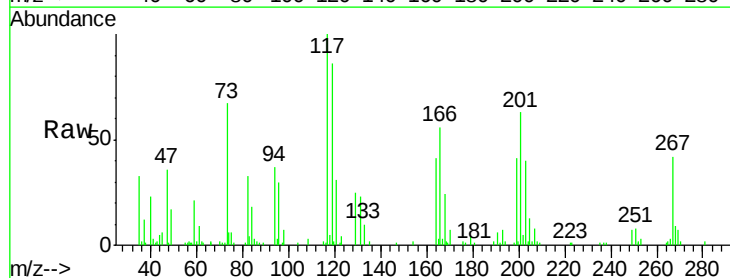
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

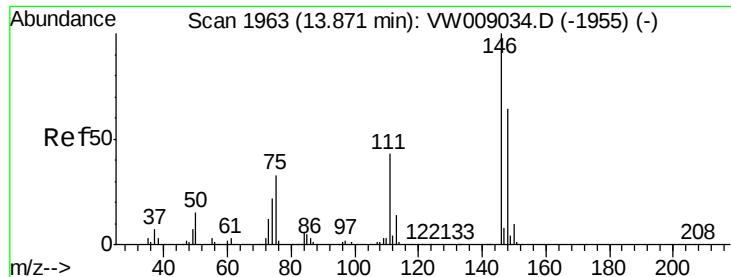
Tgt Ion: 91 Resp: 68154
Ion Ratio Lower Upper
91 100
92 51.5 26.8 80.3
134 25.9 12.9 38.7



#90
Hexachloroethane
Concen: 5.473 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 117 Resp: 13069
Ion Ratio Lower Upper
117 100
201 75.1 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 5.838 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

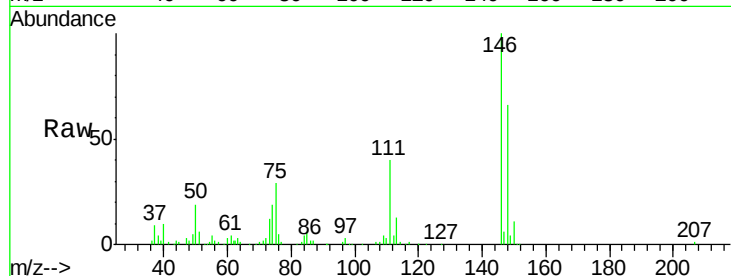
Tgt Ion:146 Resp: 35352

Ion Ratio Lower Upper

146 100

111 40.6 21.1 63.1

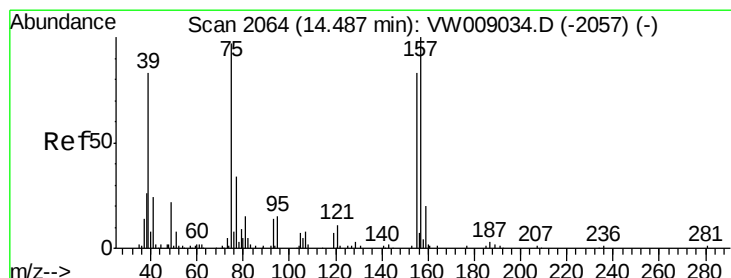
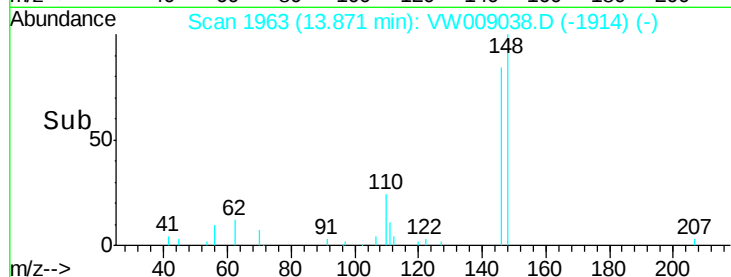
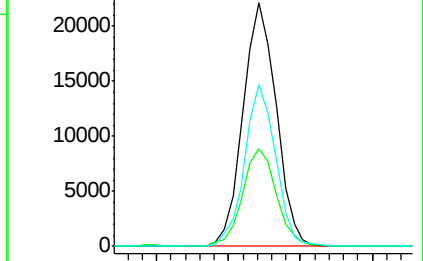
148 61.8 32.3 96.9



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: 4.975 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

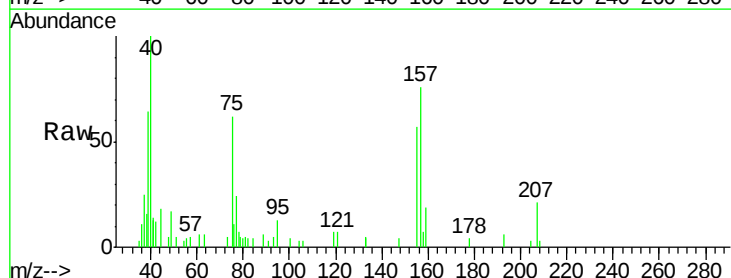
Tgt Ion: 75 Resp: 2118

Ion Ratio Lower Upper

75 100

155 86.5 40.8 122.4

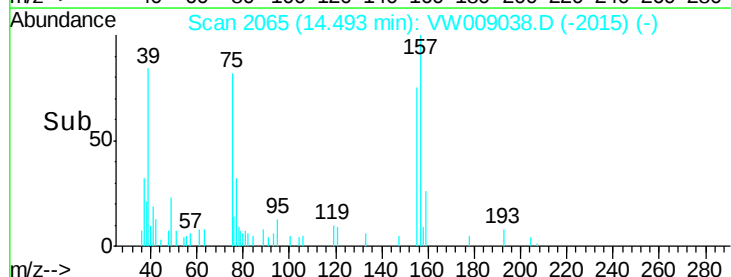
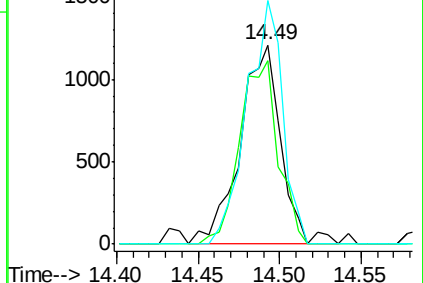
157 106.6 52.4 157.3

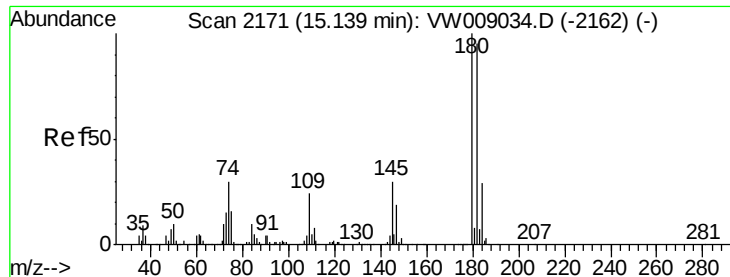


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

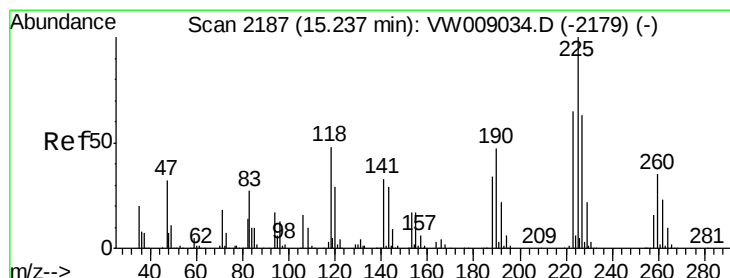
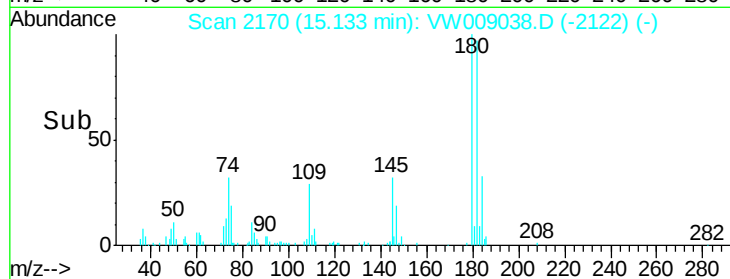
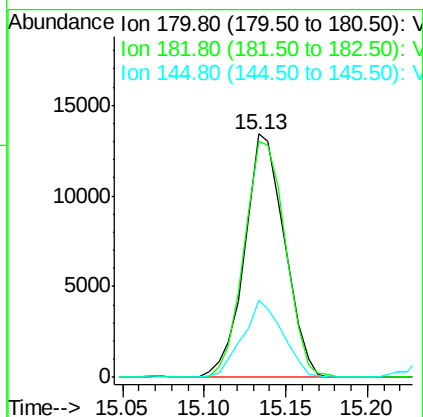
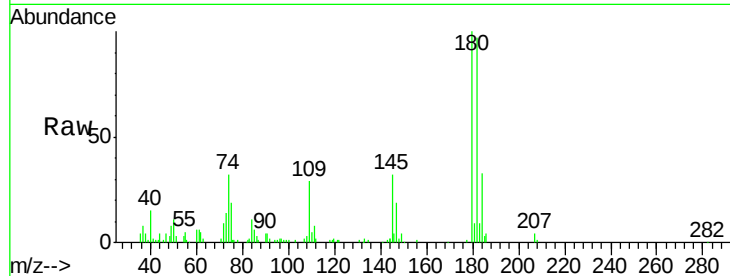




#93
 1,2,4-Trichlorobenzene
 Concen: 5.535 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

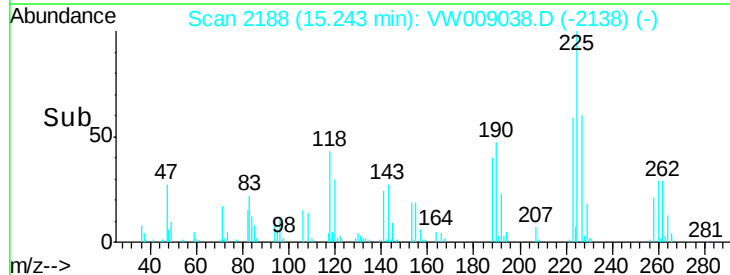
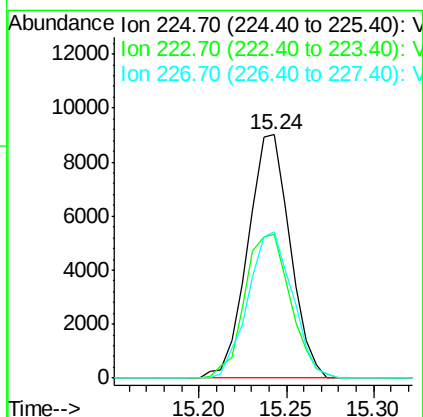
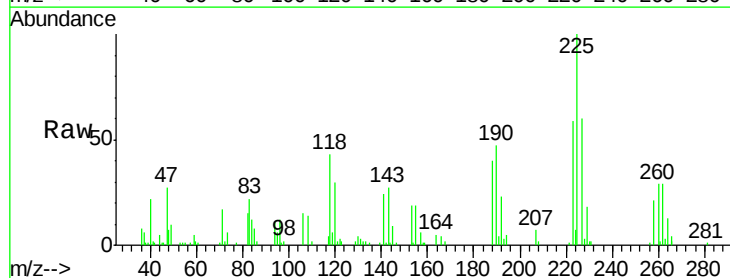
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

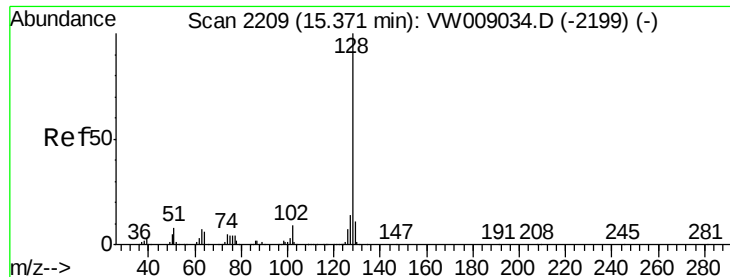
Tgt Ion:180 Resp: 22919
 Ion Ratio Lower Upper
 180 100
 182 99.7 48.1 144.3
 145 31.9 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 5.854 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion:225 Resp: 15152
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.6 94.8
 227 63.0 32.0 96.2

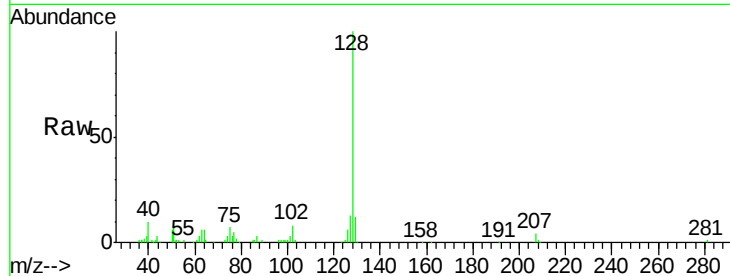




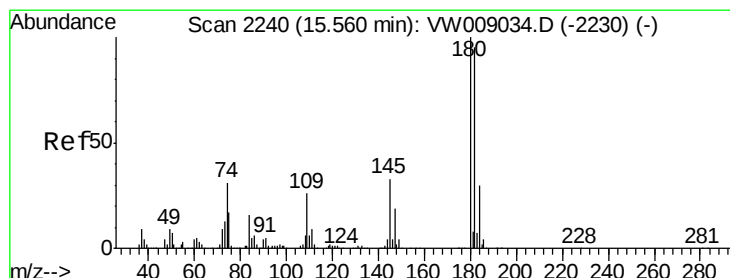
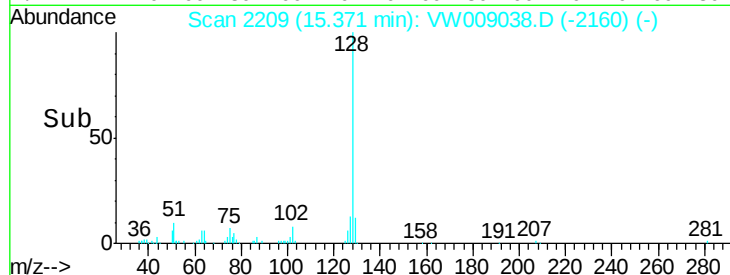
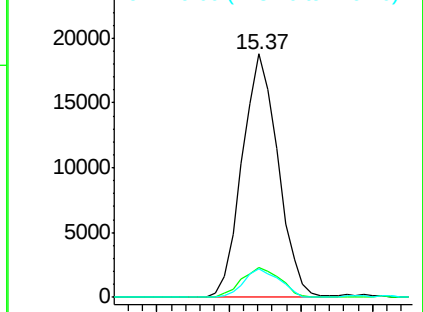
#95
Naphthalene
Concen: 4.728 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 32439
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.6
129 11.6 8.8 13.2

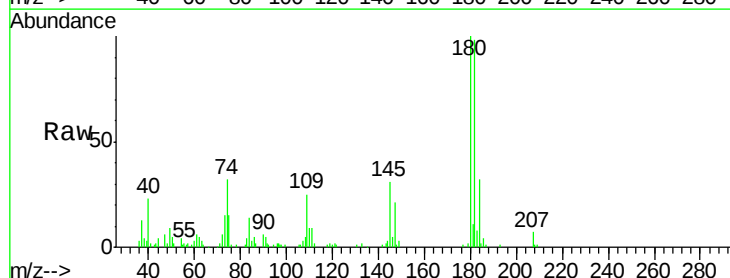


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.706 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion:180 Resp: 20748
Ion Ratio Lower Upper
180 100
182 91.5 48.1 144.3
145 31.1 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

