

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009036.D
 Acq On : 07 Mar 2019 13:03
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 08 03:26:22 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	306909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242261	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	489870	155.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.44%	
35) Dibromofluoromethane	7.88	113	424907	157.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.12%	
50) Toluene-d8	10.32	98	1665032	148.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.64%	
62) 4-Bromofluorobenzene	12.62	95	654353	148.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	396681	128.433	ug/l	99
3) Chloromethane	2.21	50	552195	142.075	ug/l	99
4) Vinyl Chloride	2.35	62	582390	145.951	ug/l	99
5) Bromomethane	2.75	94	453896	133.569	ug/l	97
6) Chloroethane	2.90	64	416791	146.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	746980	146.543	ug/l	97
8) Diethyl Ether	3.68	74	238028	154.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	459659	144.992	ug/l	99
10) Methyl Iodide	4.27	142	537138	178.309	ug/l	100
11) Tert butyl alcohol	5.18	59	171642	780.985	ug/l	100
12) 1,1-Dichloroethene	4.03	96	406863	147.435	ug/l	99
13) Acrolein	3.90	56	187383	712.203	ug/l	100
14) Allyl chloride	4.67	41	753278	157.423	ug/l	98
15) Acrylonitrile	5.37	53	523635	755.278	ug/l	99
16) Acetone	4.13	43	511811	727.952	ug/l	98
17) Carbon Disulfide	4.37	76	1363198	147.407	ug/l	99
18) Methyl Acetate	4.67	43	247203	152.973	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1131389	155.500	ug/l	99
20) Methylene Chloride	4.92	84	450804	112.636	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	474192	148.761	ug/l	95
22) Diisopropyl ether	6.31	45	1531861	158.965	ug/l	100
23) Vinyl Acetate	6.26	43	4934069	821.438	ug/l	100
24) 1,1-Dichloroethane	6.21	63	855256	153.046	ug/l	99
25) 2-Butanone	7.17	43	741701	777.138	ug/l	100
26) 2,2-Dichloropropane	7.16	77	757339	148.325	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	518217	152.639	ug/l	97
28) Bromochloromethane	7.51	49	364279	157.506	ug/l	95
29) Tetrahydrofuran	7.52	42	494352	807.894	ug/l	98
30) Chloroform	7.68	83	881162	154.309	ug/l	98
31) Cyclohexane	7.95	56	779143	137.029	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	791046	150.426	ug/l	99
36) 1,1-Dichloropropene	8.08	75	658356	141.853	ug/l	98
37) Ethyl Acetate	7.25	43	324754	148.942	ug/l	100
38) Carbon Tetrachloride	8.07	117	701620	145.870	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	833780	149.996	ug/l	100
40) Benzene	8.32	78	1774573	143.803	ug/l	98
41) Methacrylonitrile	7.48	41	195000	169.706	ug/l	92
42) 1,2-Dichloroethane	8.40	62	614743	152.869	ug/l	99
43) Isopropyl Acetate	8.42	43	639618	156.823	ug/l	99
44) Trichloroethene	9.09	130	482917	139.189	ug/l	98
45) 1,2-Dichloropropane	9.37	63	447220	145.684	ug/l	100
46) Dibromomethane	9.46	93	260544	152.807	ug/l	99
47) Bromodichloromethane	9.64	83	646491	150.431	ug/l	99
48) Methyl methacrylate	9.43	41	308730	160.529	ug/l	94
49) 1,4-Dioxane	9.45	88	65860	2631.083	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1633308	785.700	ug/l	100
52) Toluene	10.39	92	1249341	148.434	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	669267	156.604	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	743595	152.497	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	340936	147.560	ug/l	98
56) Ethyl methacrylate	10.65	69	474300	163.711	ug/l	97
57) 1,3-Dichloropropane	10.93	76	603385	147.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1180793	784.396	ug/l	98
59) 2-Hexanone	10.97	43	1136948	774.692	ug/l	99
60) Dibromochloromethane	11.13	129	432925	152.507	ug/l	98
61) 1,2-Dibromoethane	11.24	107	334371	148.913	ug/l	99
64) Tetrachloroethene	10.86	164	445764	139.603	ug/l	96
65) Chlorobenzene	11.66	112	1356296	143.145	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	485302	153.630	ug/l	100
67) Ethyl Benzene	11.73	91	2582680	151.708	ug/l	99
68) m/p-Xylenes	11.84	106	2042232	303.534	ug/l	100
69) o-Xylene	12.17	106	969819	154.616	ug/l	99
70) Styrene	12.18	104	1630849	159.712	ug/l	99
71) Bromoform	12.35	173	274552	160.282	ug/l #	99
73) Isopropylbenzene	12.46	105	2702586	156.987	ug/l	99
74) N-amyl acetate	12.27	43	679041	165.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	406518	148.454	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	586501	217.419	ug/l #	1
77) Bromobenzene	12.75	156	573173	145.606	ug/l	97
78) n-propylbenzene	12.80	91	3275577	154.992	ug/l	100
79) 2-Chlorotoluene	12.90	91	1804623	151.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2305422	155.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	141914	167.119	ug/l	96
82) 4-Chlorotoluene	12.99	91	1942328	153.504	ug/l	100
83) tert-Butylbenzene	13.21	119	1960392	157.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349829	156.882	ug/l	99
85) sec-Butylbenzene	13.39	105	2868578	155.336	ug/l	100
86) p-Isopropyltoluene	13.50	119	2644898	159.785	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1218819	147.662	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1159107	142.152	ug/l	100
89) n-Butylbenzene	13.83	91	2486133	157.545	ug/l	99
90) Hexachloroethane	14.10	117	441891	154.976	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1036240	143.321	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	71973	141.582	ug/l	99

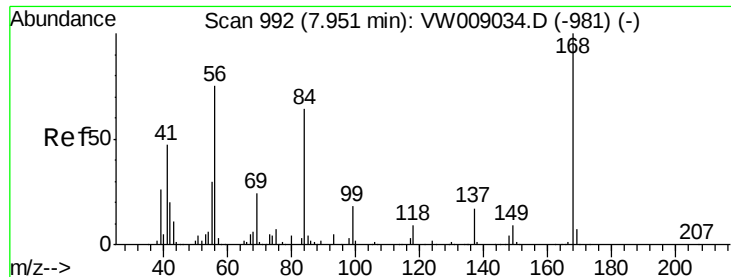
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QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	738462	149.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	422775	136.803	ug/l	99
95) Naphthalene	15.37	128	1329410	162.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	634595	146.171	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

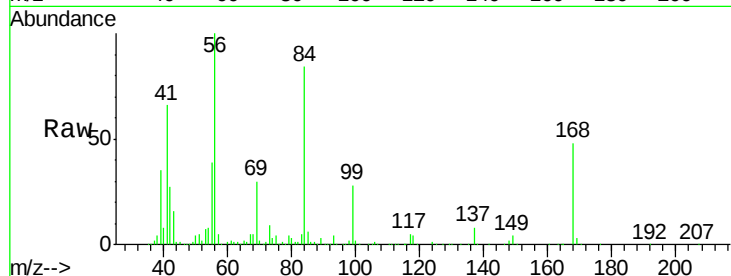
VSTDIC150

Tgt Ion:168 Resp: 306909

Ion Ratio Lower Upper

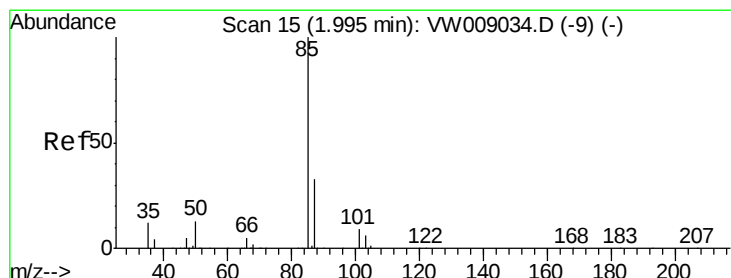
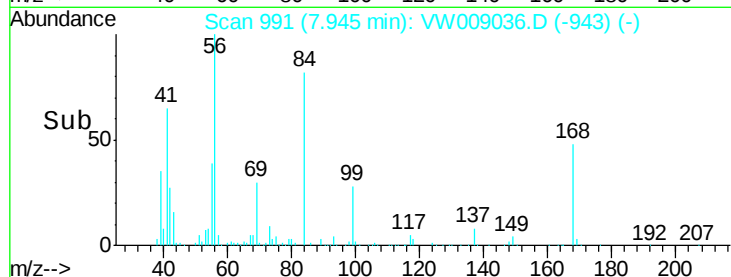
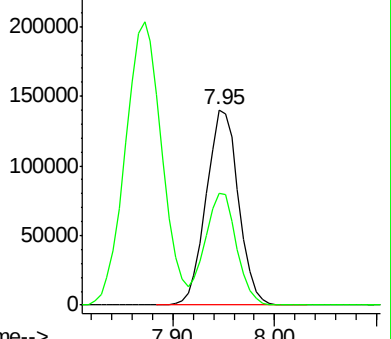
168 100

99 57.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 128.433 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009036.D

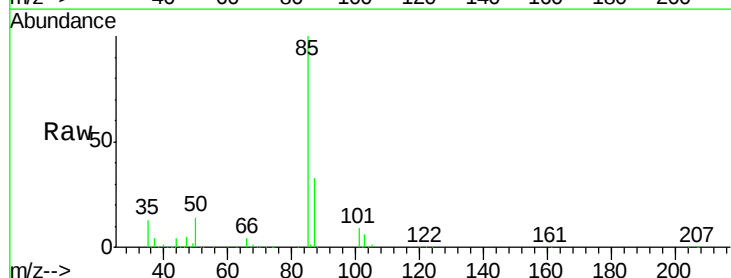
Acq: 07 Mar 2019 13:03

Tgt Ion: 85 Resp: 396681

Ion Ratio Lower Upper

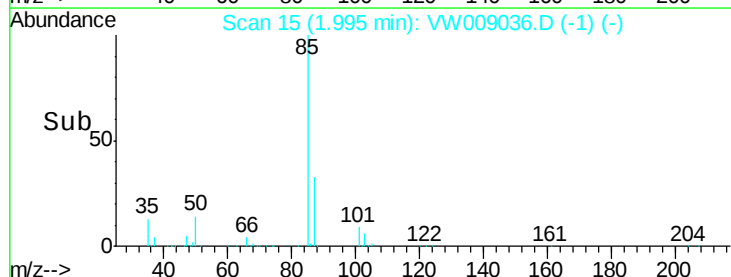
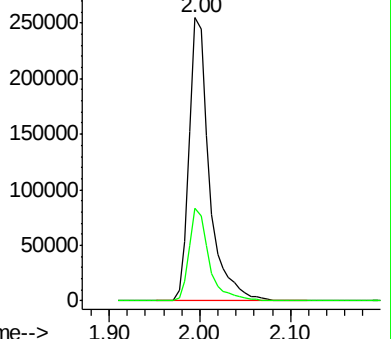
85 100

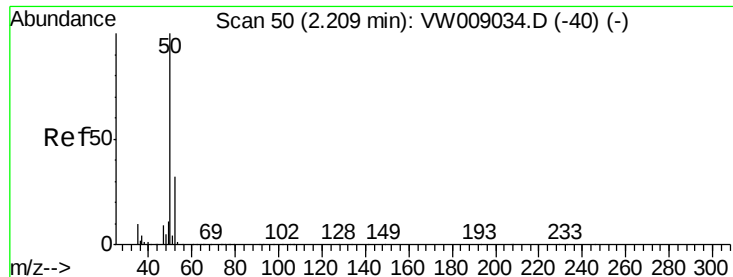
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 142.075 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

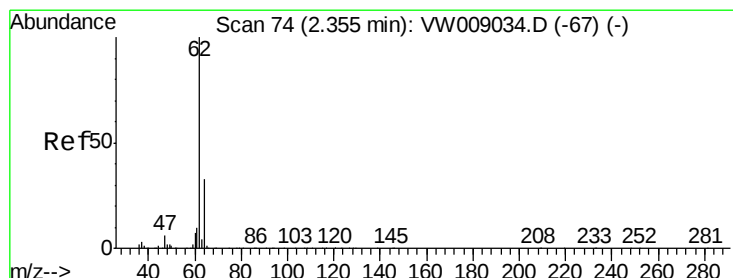
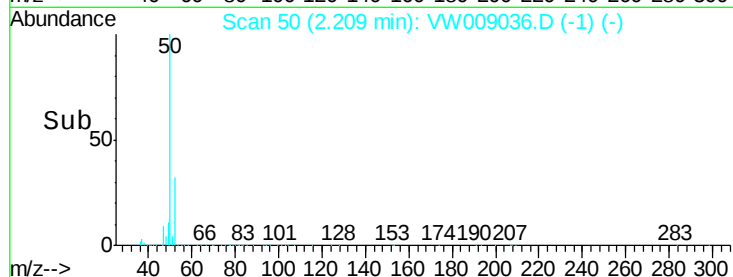
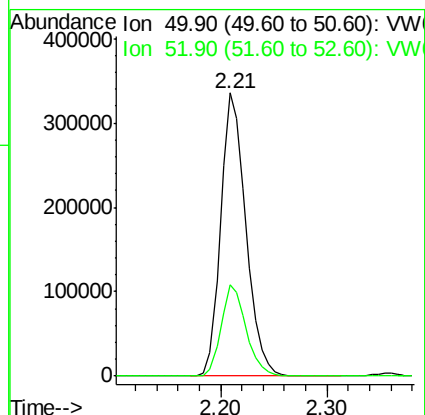
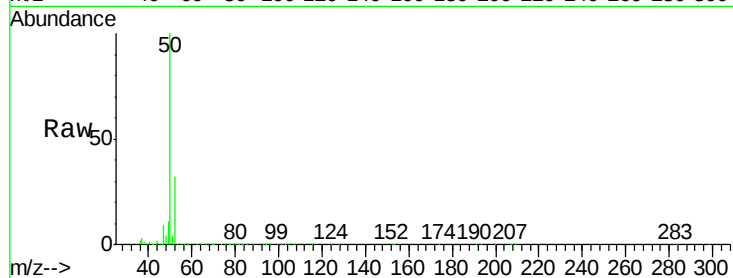
VSTDIC150

Tgt Ion: 50 Resp: 552195

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 145.951 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009036.D

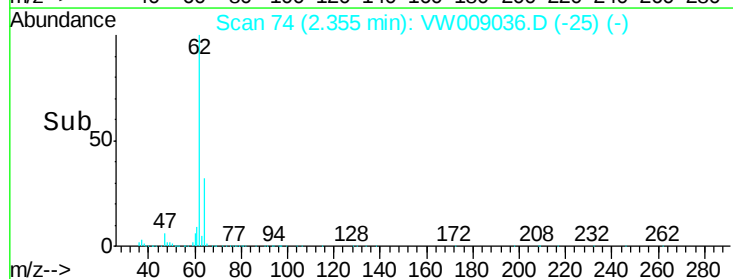
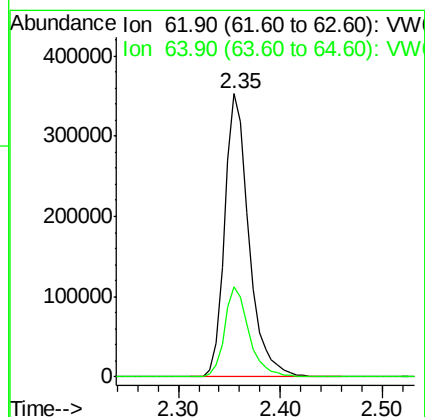
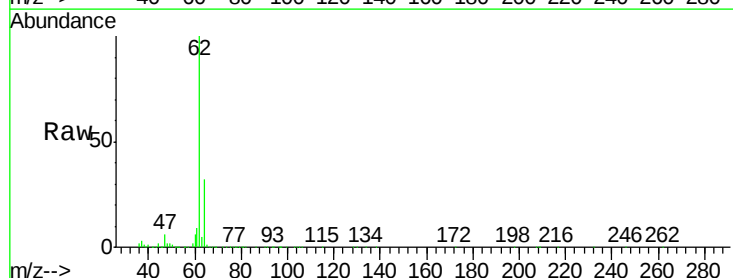
Acq: 07 Mar 2019 13:03

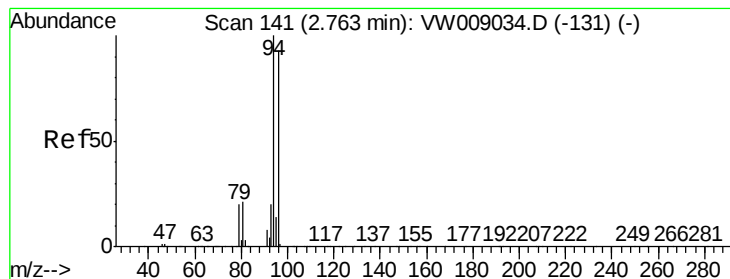
Tgt Ion: 62 Resp: 582390

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0





#5

Bromomethane

Concen: 133.569 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

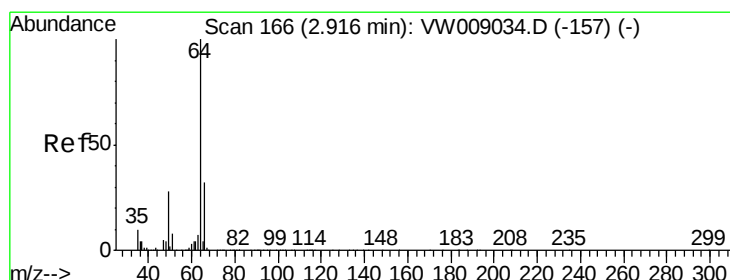
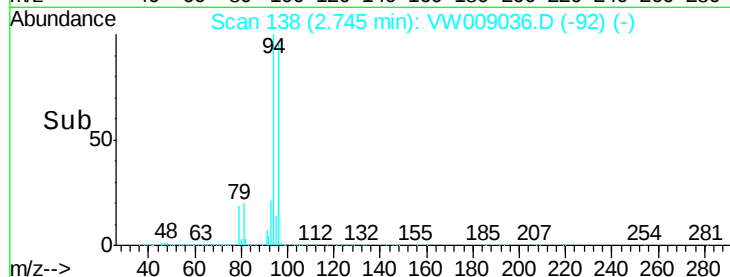
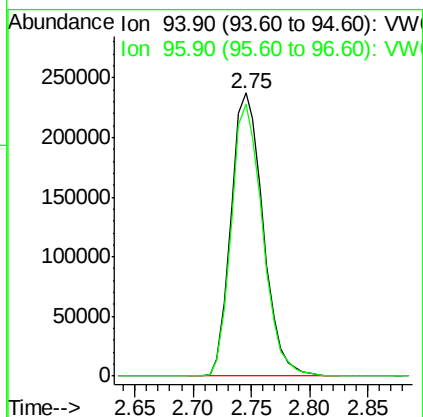
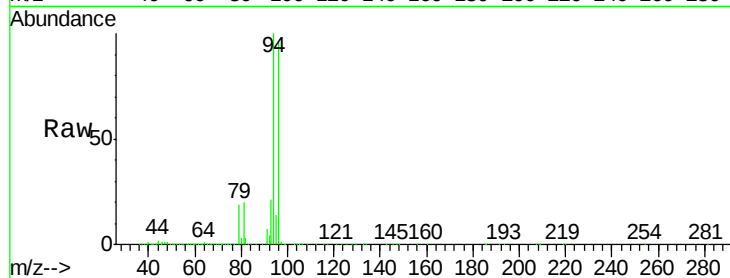
VSTDIC150

Tgt Ion: 94 Resp: 453896

Ion Ratio Lower Upper

94 100

96 95.8 74.4 111.6



#6

Chloroethane

Concen: 146.095 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009036.D

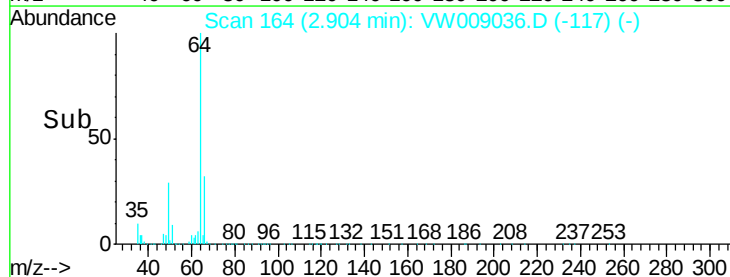
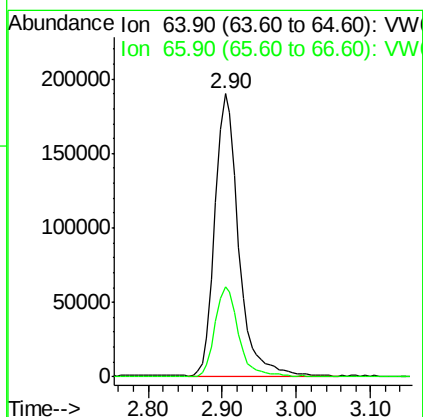
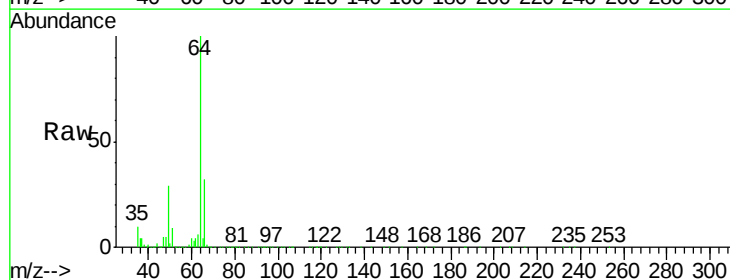
Acq: 07 Mar 2019 13:03

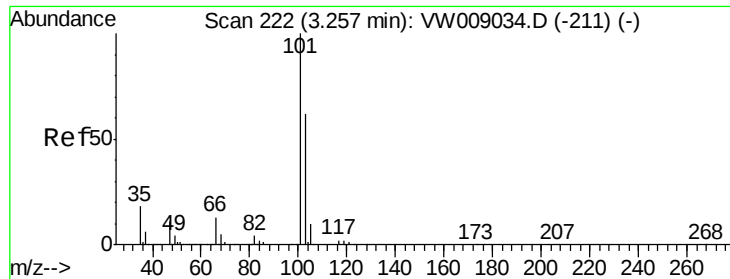
Tgt Ion: 64 Resp: 416791

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



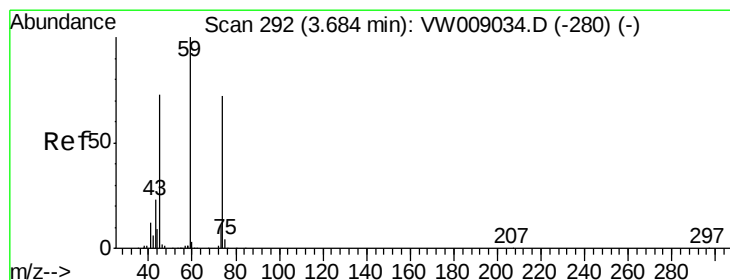
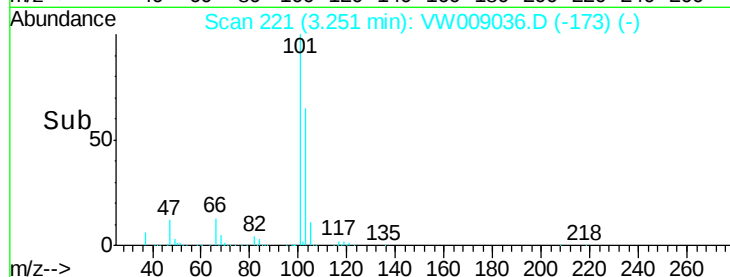
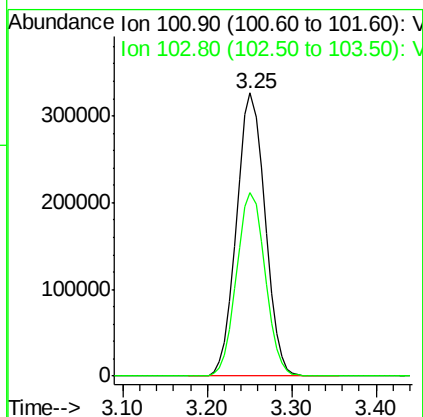
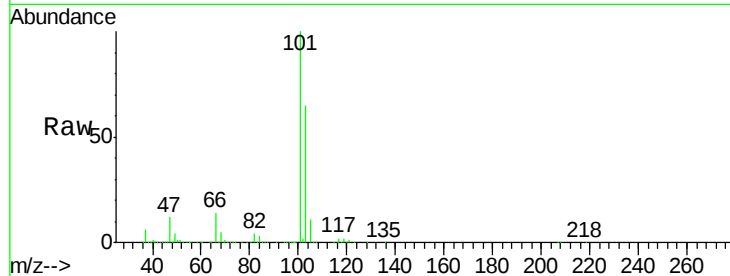


#7

Trichlorofluoromethane
Concen: 146.543 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
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ClientSampleId :
VSTDIC150

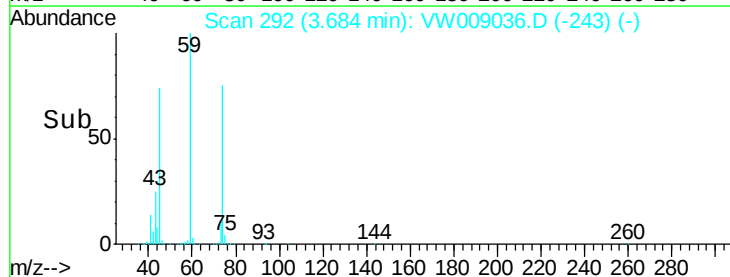
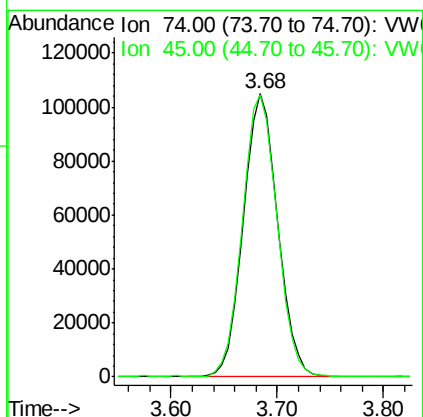
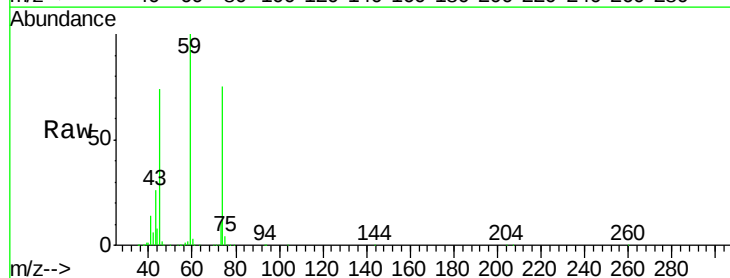
Tgt Ion:101 Resp: 746980
Ion Ratio Lower Upper
101 100
103 65.1 49.9 74.9

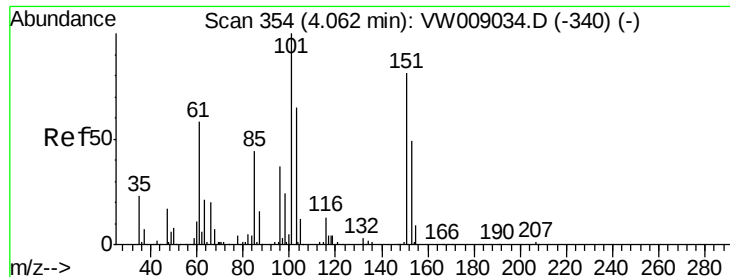


#8

Diethyl Ether
Concen: 154.830 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 74 Resp: 238028
Ion Ratio Lower Upper
74 100
45 100.4 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.992 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

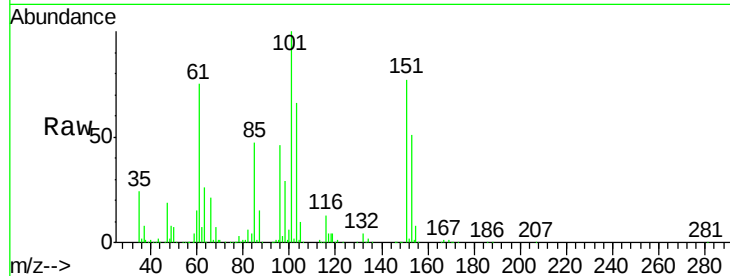
Tgt Ion:101 Resp: 459659

Ion Ratio Lower Upper

101 100

85 46.0 36.2 54.4

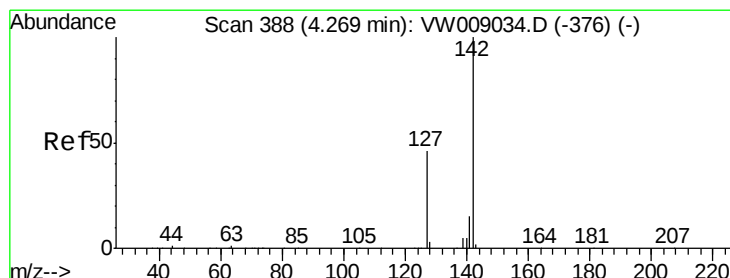
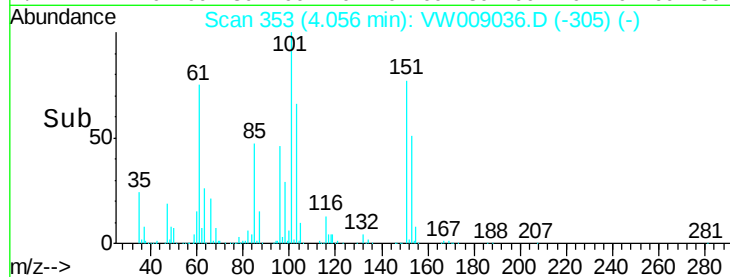
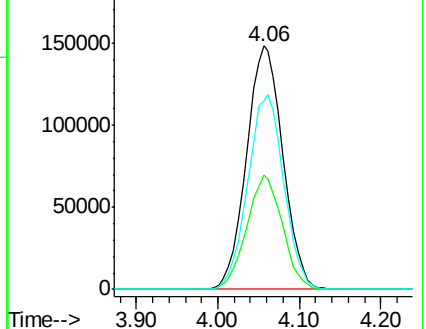
151 79.5 63.4 95.2



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: 178.309 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

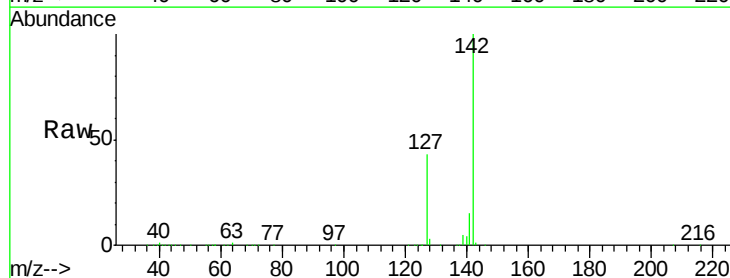
Tgt Ion:142 Resp: 537138

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.6

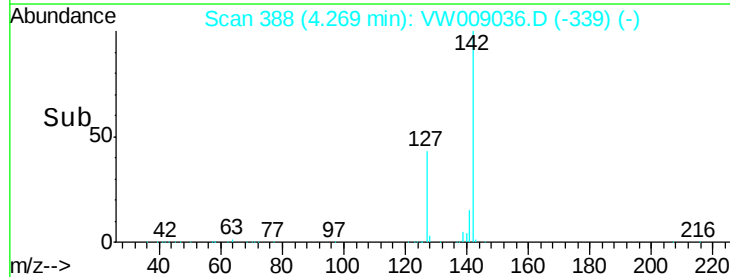
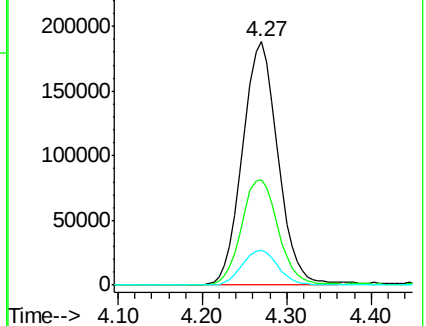
141 14.8 11.8 17.8

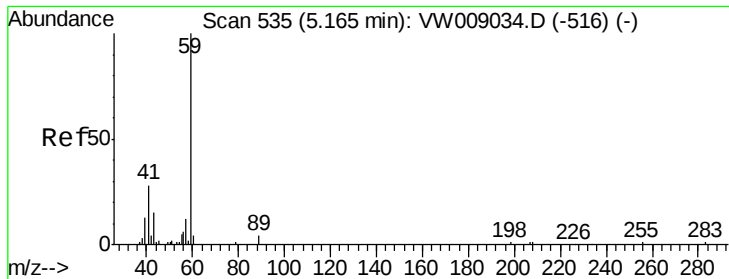


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

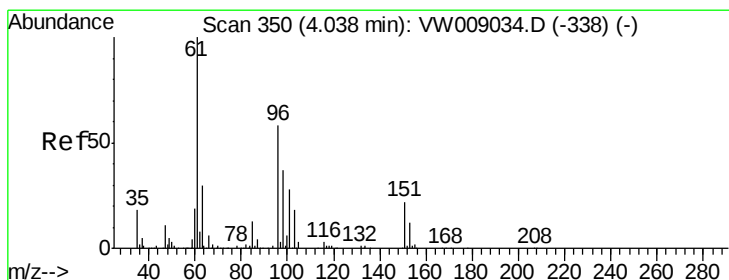
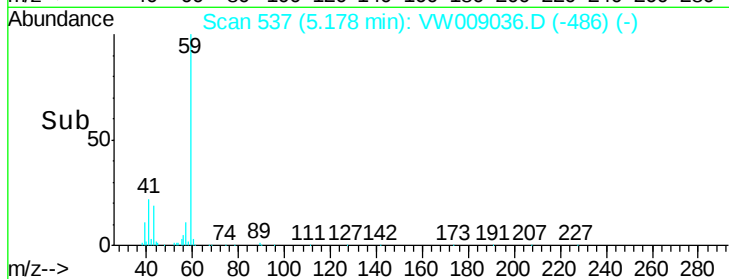
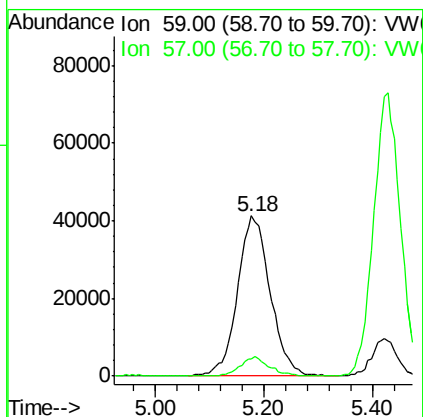
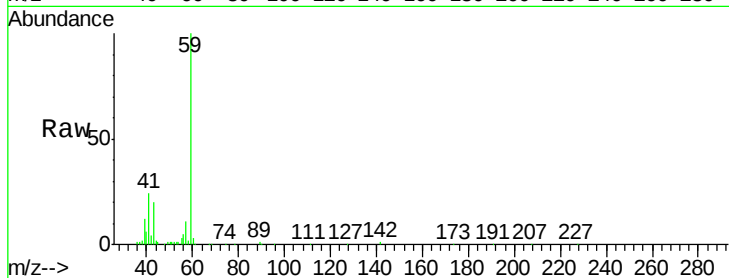




#11
Tert butyl alcohol
Concen: 780.985 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

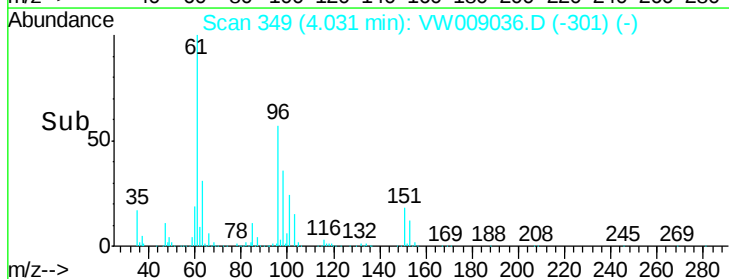
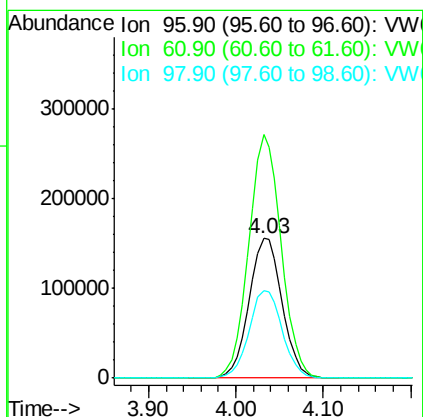
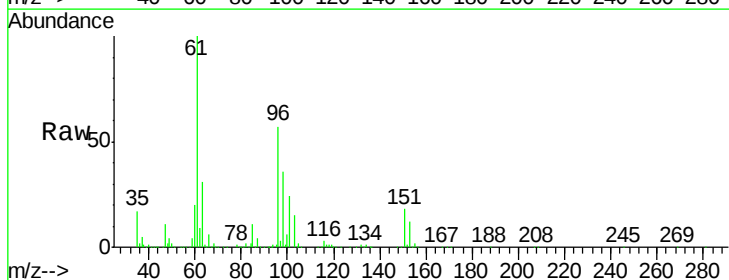
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

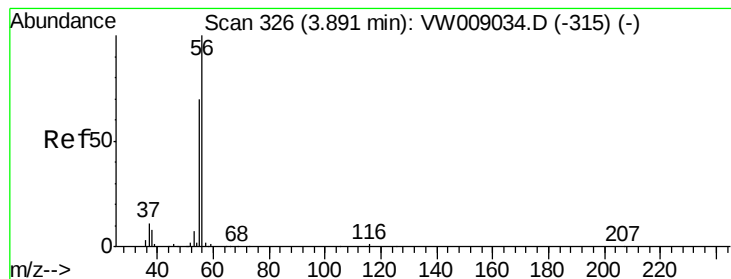
Tgt Ion: 59 Resp: 171642
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 147.435 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 96 Resp: 406863
Ion Ratio Lower Upper
96 100
61 174.5 138.2 207.2
98 62.6 51.3 76.9





#13

Acrolein

Concen: 712.203 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

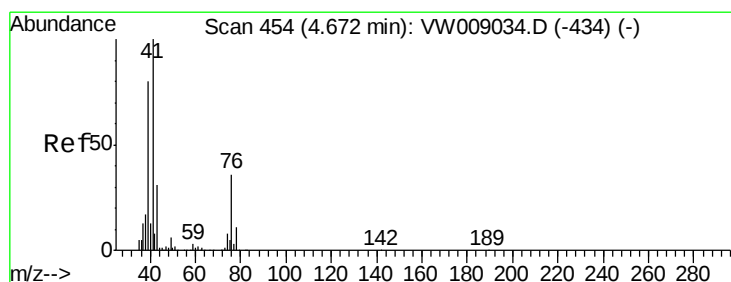
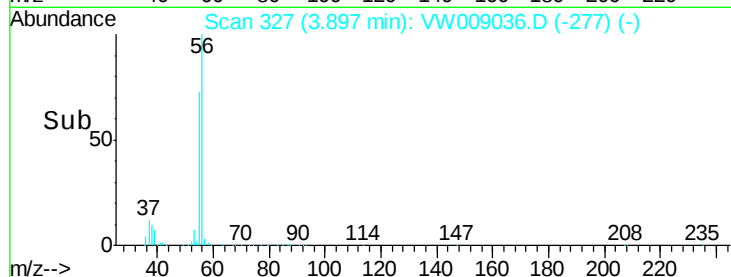
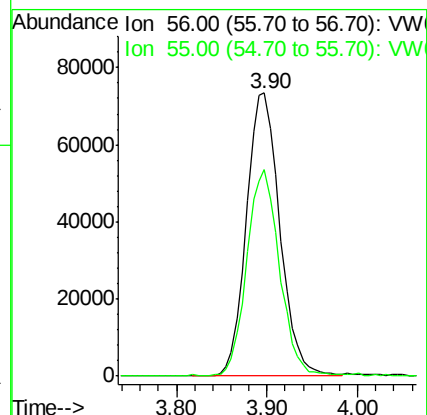
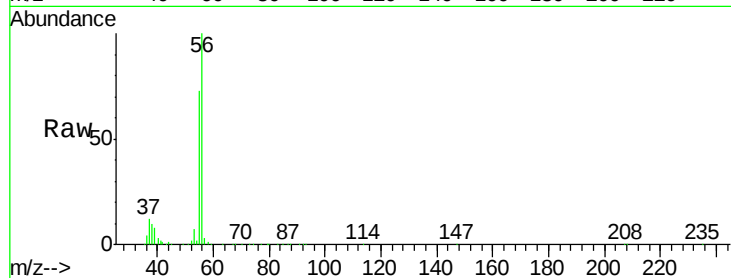
VSTDIC150

Tgt Ion: 56 Resp: 187383

Ion Ratio Lower Upper

56 100

55 70.9 56.6 84.8



#14

Allyl chloride

Concen: 157.423 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

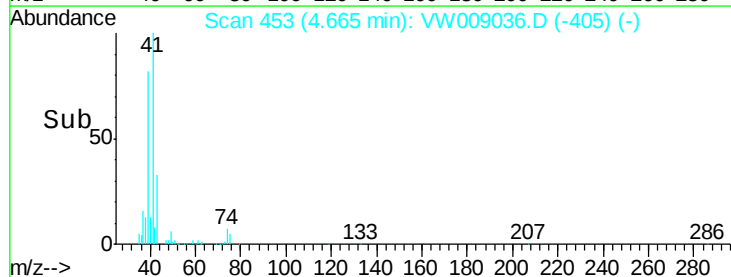
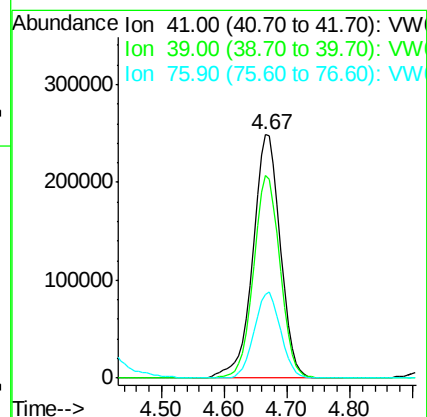
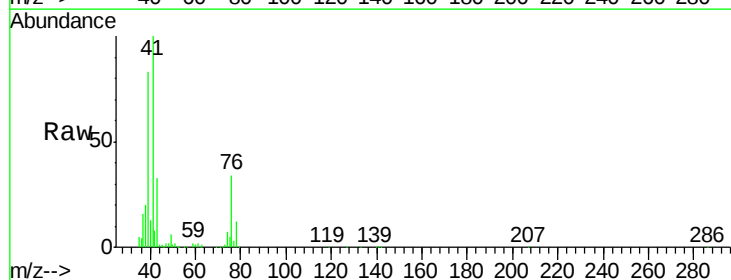
Tgt Ion: 41 Resp: 753278

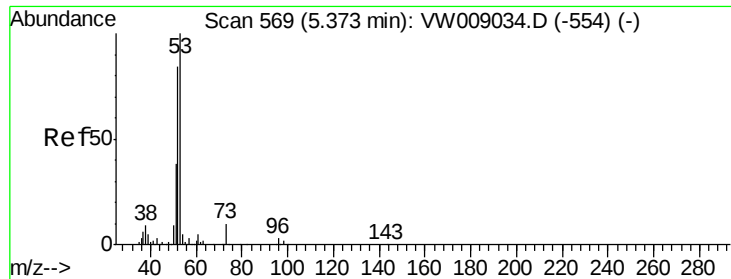
Ion Ratio Lower Upper

41 100

39 80.5 63.0 94.4

76 33.8 28.2 42.2





#15

Acrylonitrile

Concen: 755.278 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

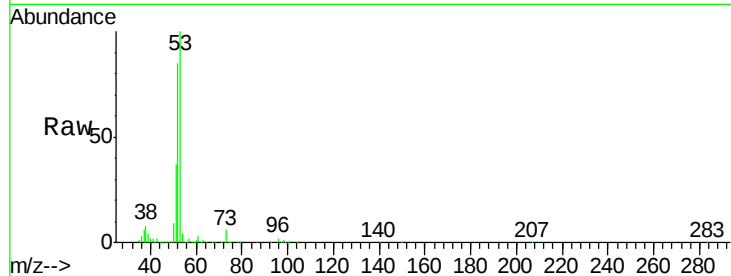
Tgt Ion: 53 Resp: 523635

Ion Ratio Lower Upper

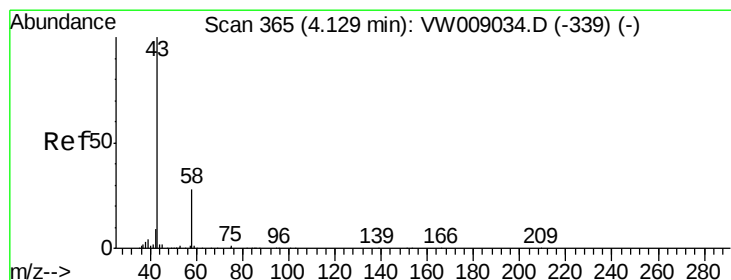
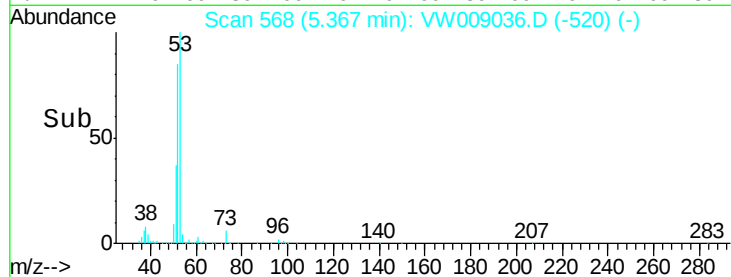
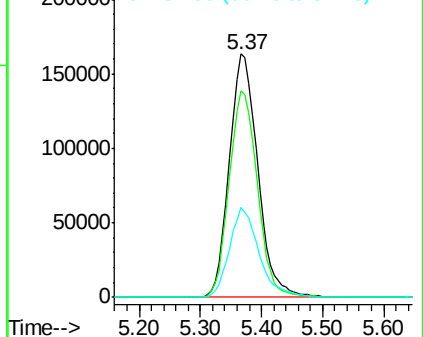
53 100

52 84.0 67.2 100.8

51 38.4 31.8 47.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 727.952 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009036.D

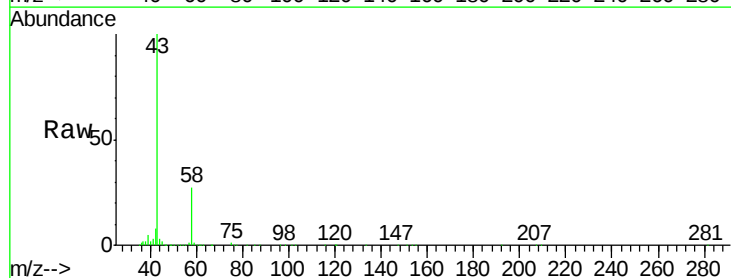
Acq: 07 Mar 2019 13:03

Tgt Ion: 43 Resp: 511811

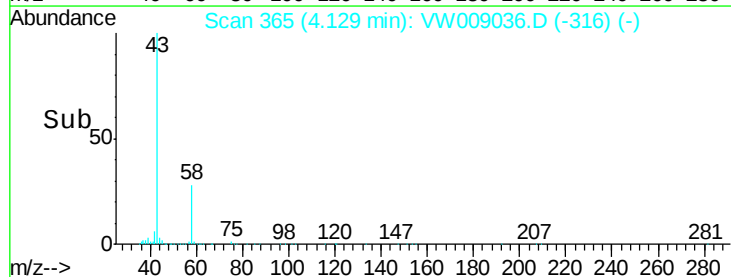
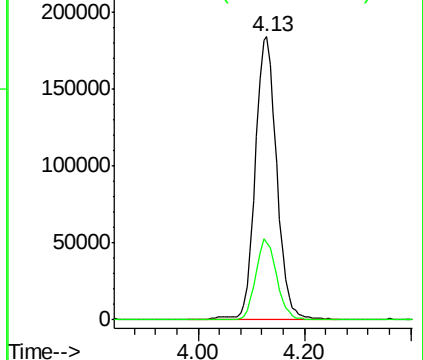
Ion Ratio Lower Upper

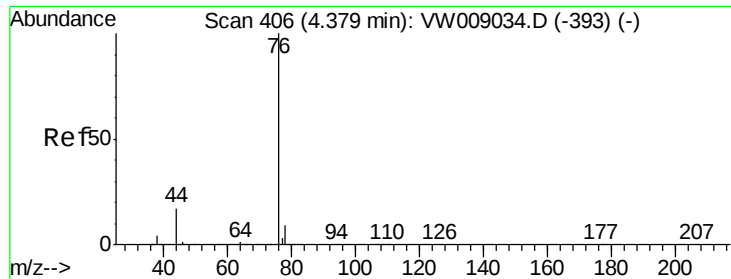
43 100

58 27.2 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

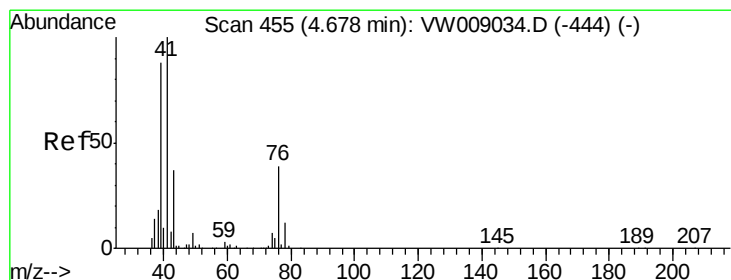
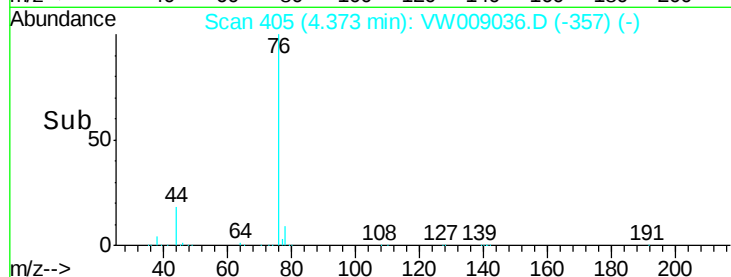
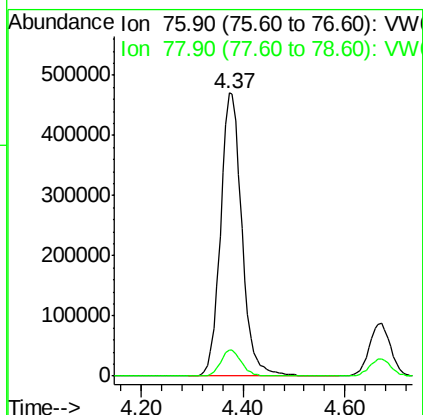
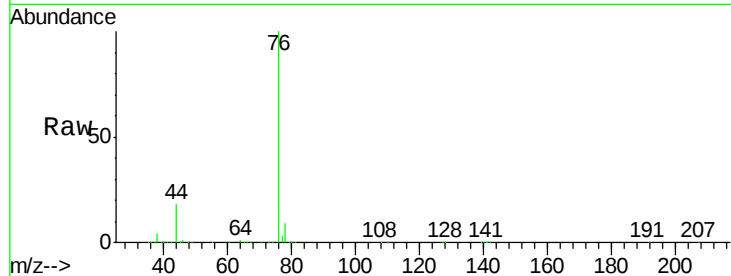




#17
Carbon Disulfide
Concen: 147.407 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

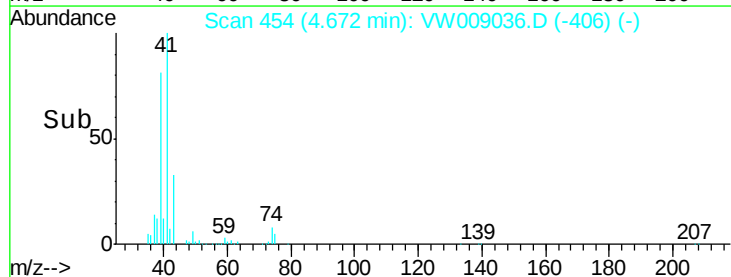
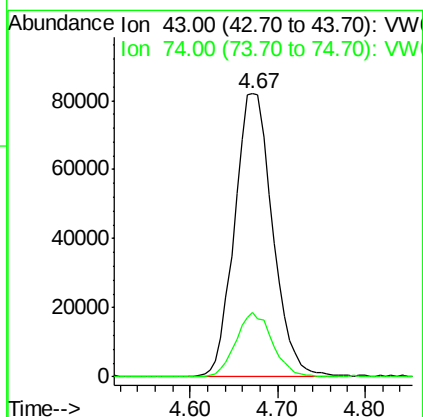
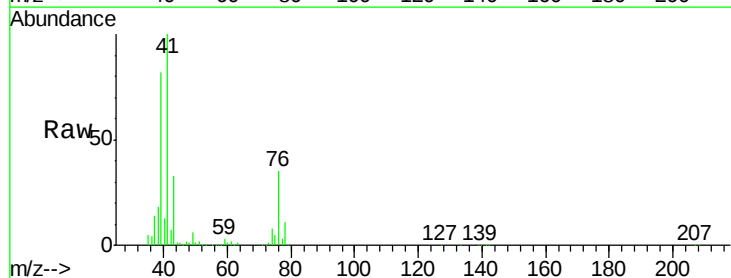
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

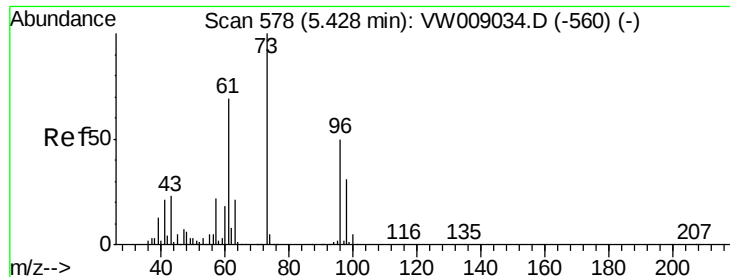
Tgt Ion: 76 Resp: 1363198
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 152.973 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 43 Resp: 247203
Ion Ratio Lower Upper
43 100
74 22.1 17.6 26.4

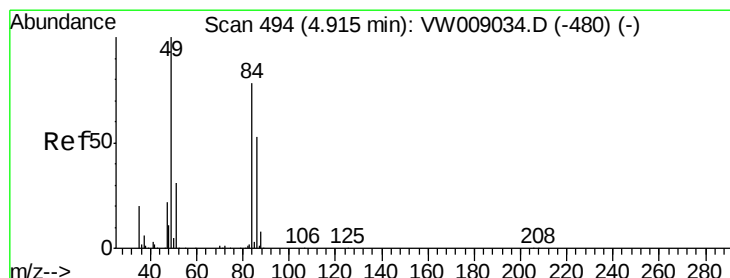
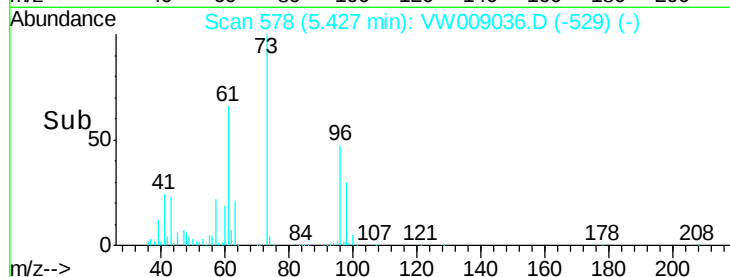
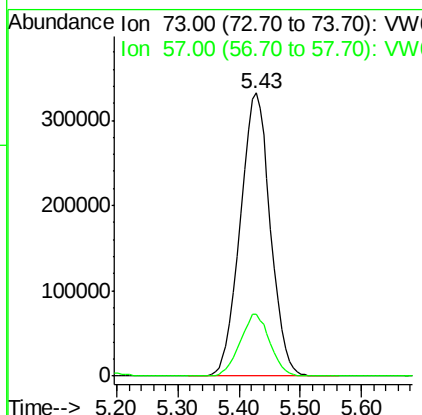
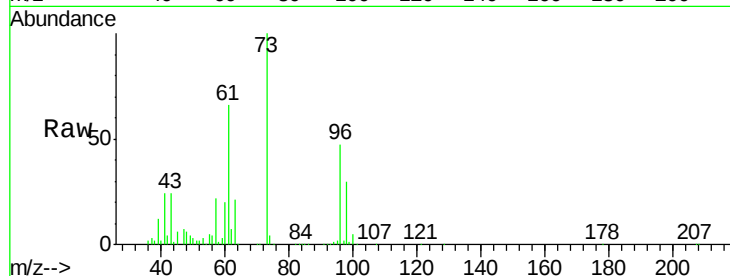




#19
Methyl tert-butyl Ether
Concen: 155.500 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

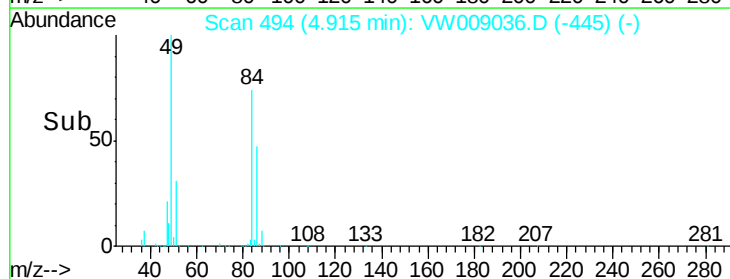
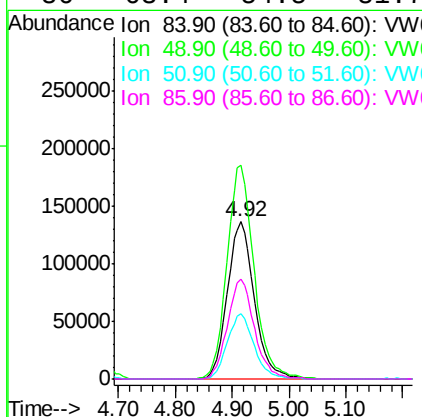
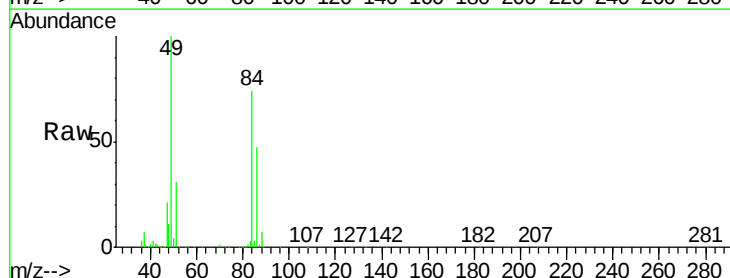
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

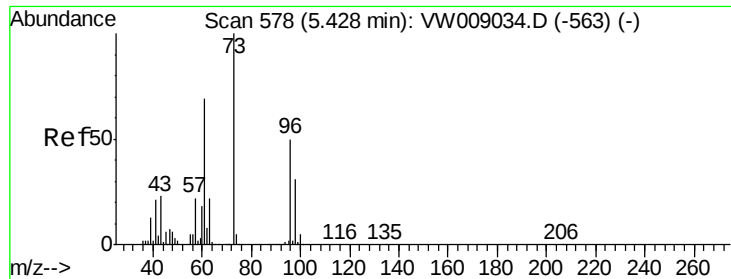
Tgt Ion: 73 Resp: 1131389
Ion Ratio Lower Upper
73 100
57 22.0 17.3 25.9



#20
Methylene Chloride
Concen: 112.636 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 84 Resp: 450804
Ion Ratio Lower Upper
84 100
49 136.0 102.4 153.6
51 42.0 31.6 47.4
86 63.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 148.761 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

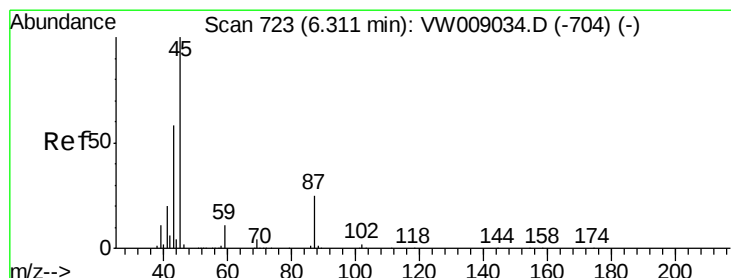
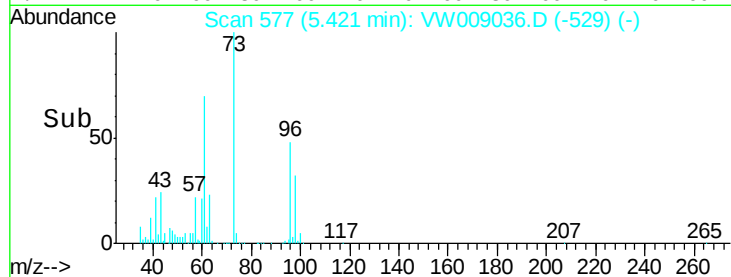
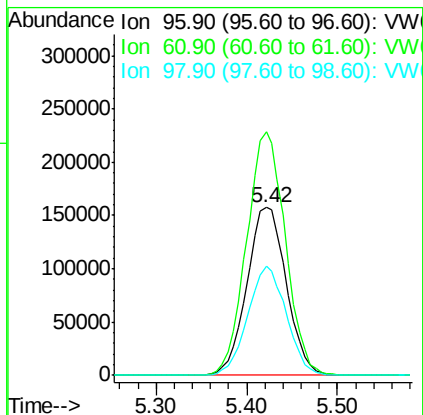
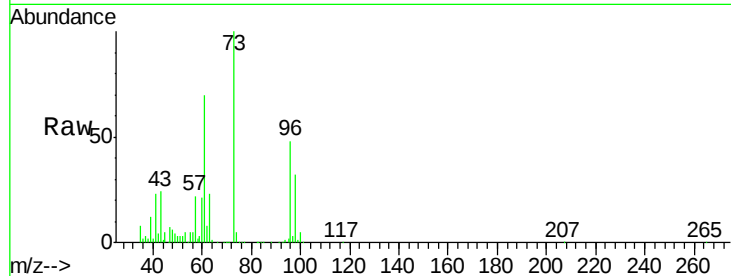
Tgt Ion: 96 Resp: 474192

Ion Ratio Lower Upper

96 100

61 145.4 111.0 166.6

98 65.1 49.4 74.0



#22

Diisopropyl ether

Concen: 158.965 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion: 45 Resp: 1531861

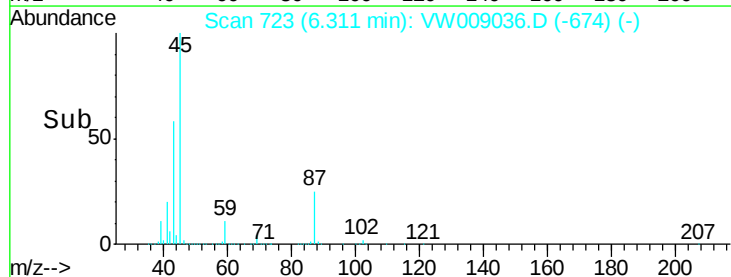
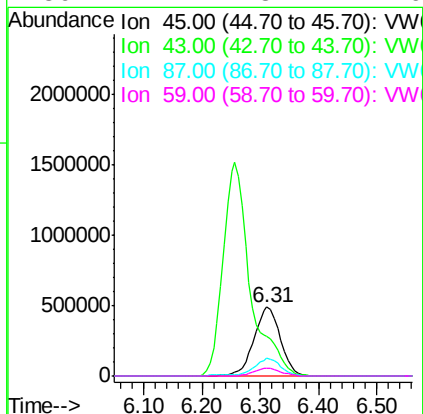
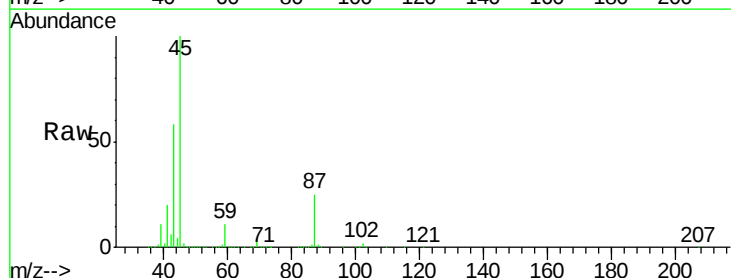
Ion Ratio Lower Upper

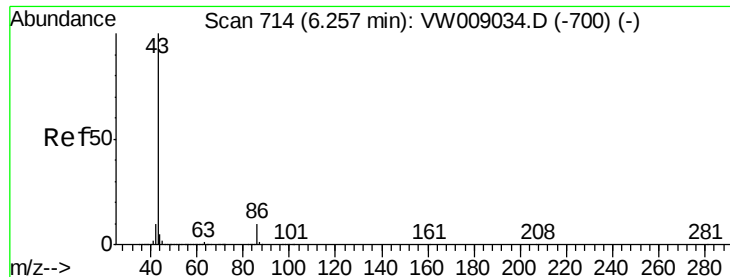
45 100

43 58.2 46.2 69.4

87 25.1 20.1 30.1

59 11.1 8.4 12.6





#23

Vinyl Acetate

Concen: 821.438 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

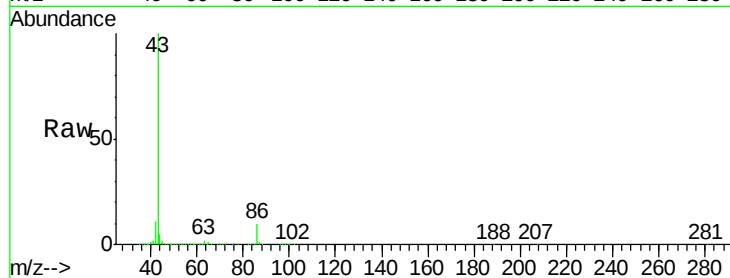
VSTDIC150

Tgt Ion: 43 Resp: 4934069

Ion Ratio Lower Upper

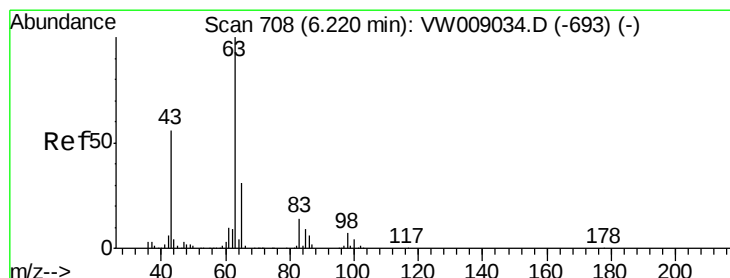
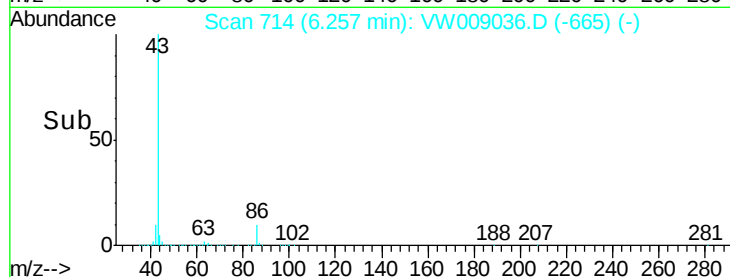
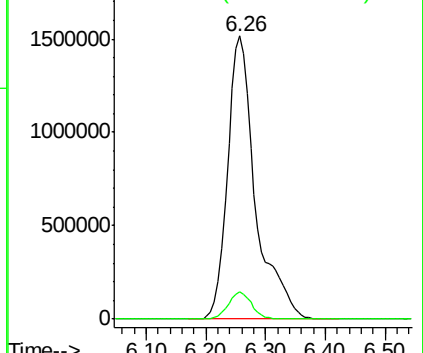
43 100

86 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 153.046 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

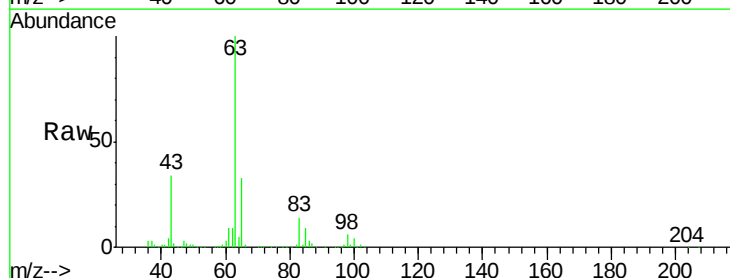
Tgt Ion: 63 Resp: 855256

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

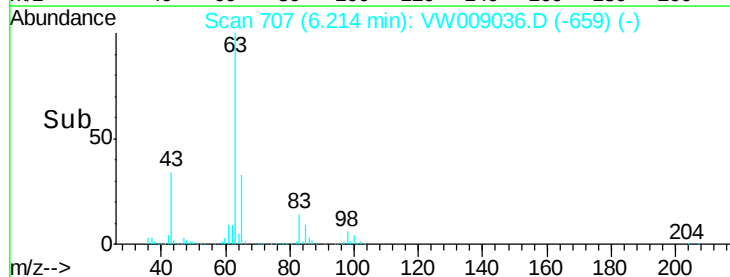
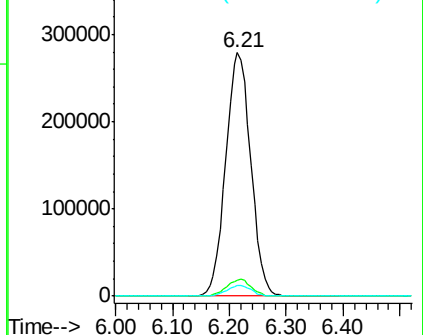
100 4.2 2.1 6.2

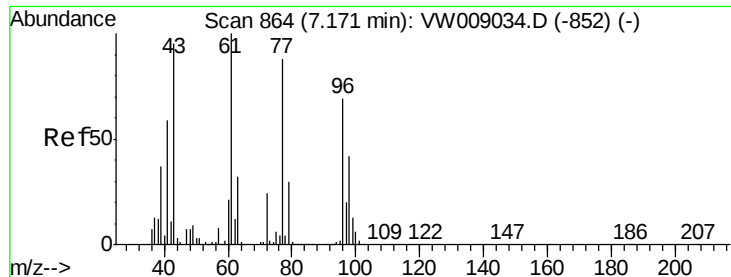


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 777.138 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

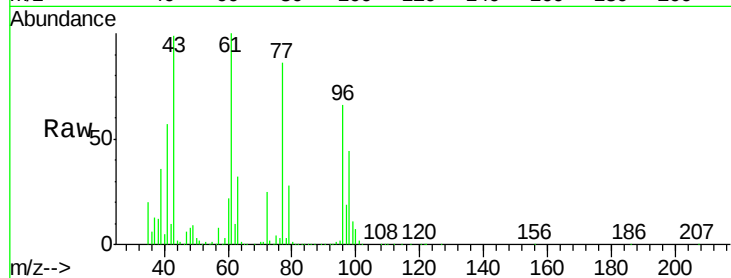
VSTDIC150

Tgt Ion: 43 Resp: 741701

Ion Ratio Lower Upper

43 100

72 25.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

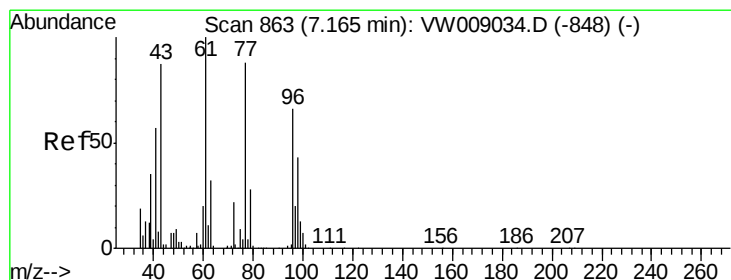
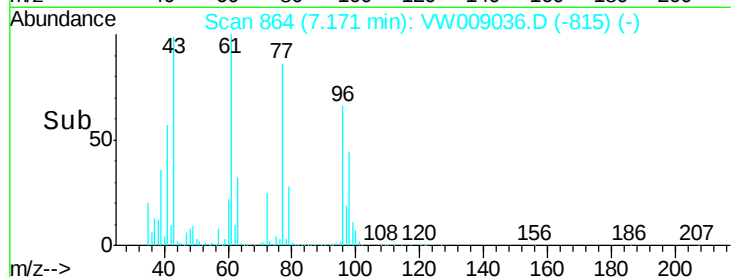
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 148.325 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009036.D

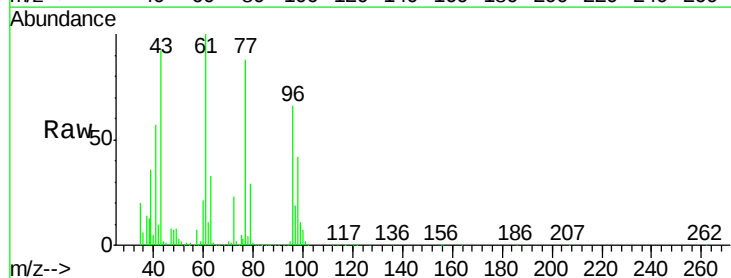
Acq: 07 Mar 2019 13:03

Tgt Ion: 77 Resp: 757339

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

300000

250000

200000

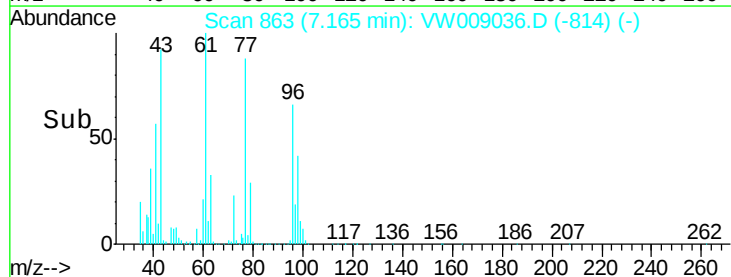
150000

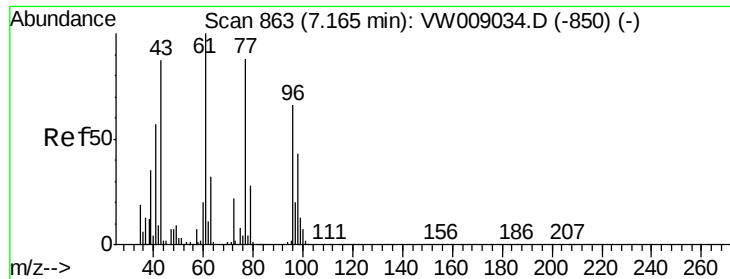
100000

50000

0

Time-->



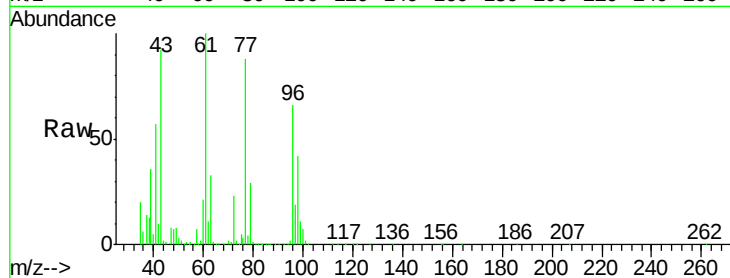


#27

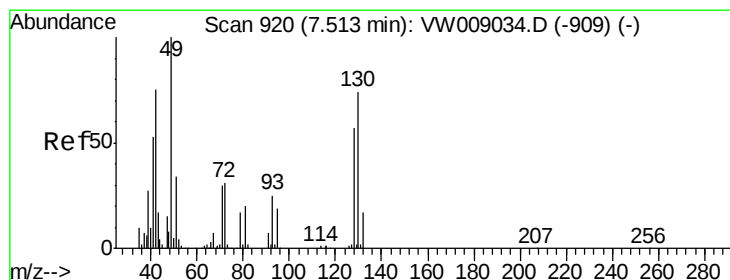
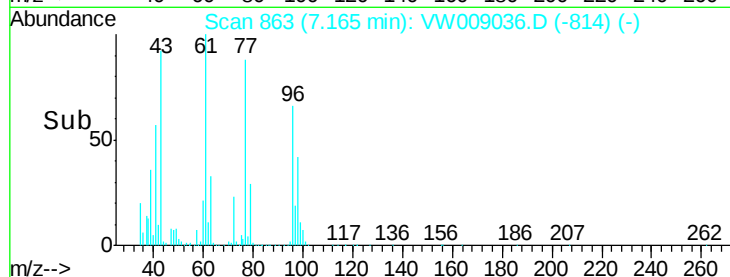
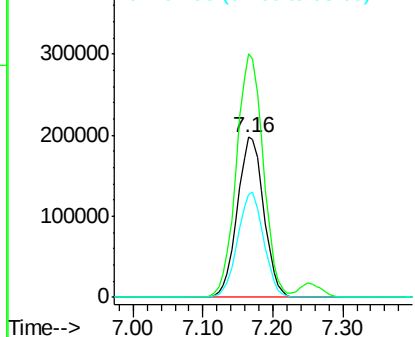
cis-1,2-Dichloroethene
Concen: 152.639 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 518217
Ion Ratio Lower Upper
96 100
61 154.5 0.0 299.8
98 64.7 0.0 127.2



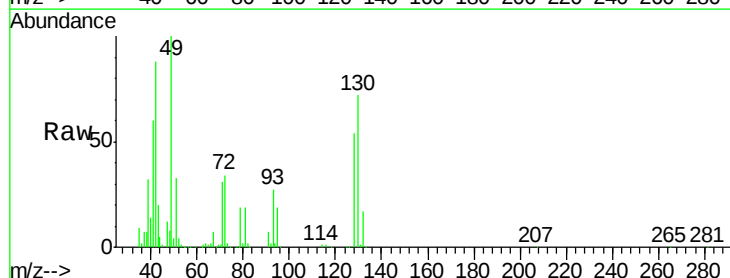
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



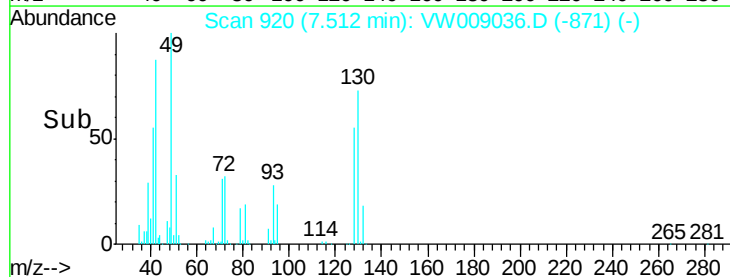
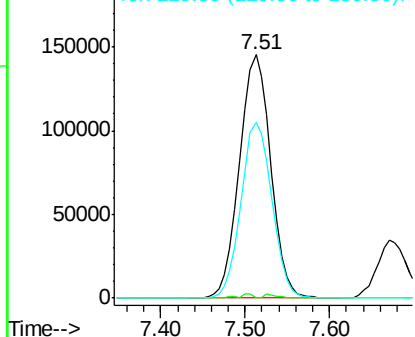
#28

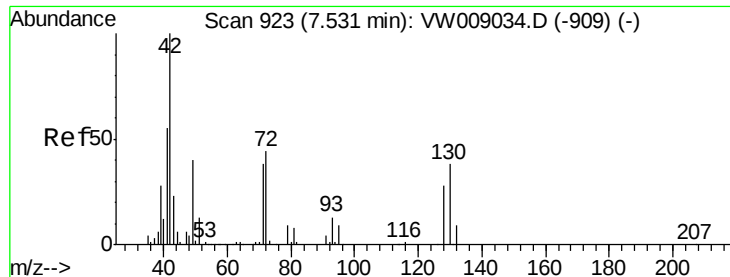
Bromochloromethane
Concen: 157.506 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 49 Resp: 364279
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.6
130 71.6 60.4 90.6



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

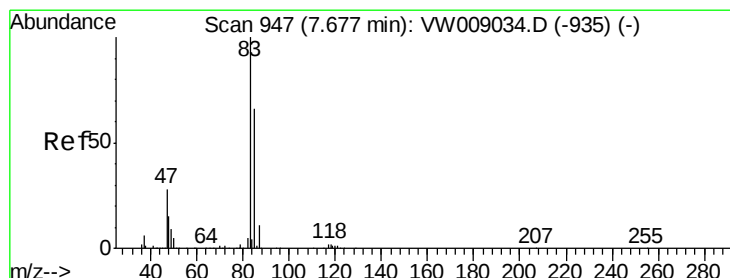
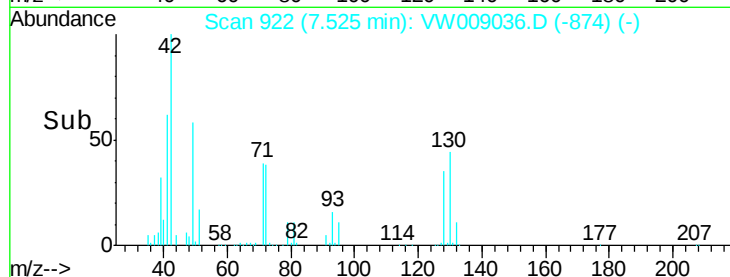
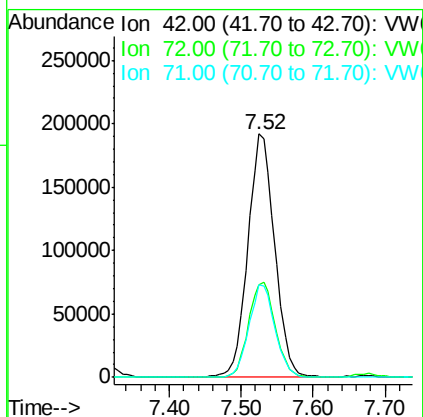
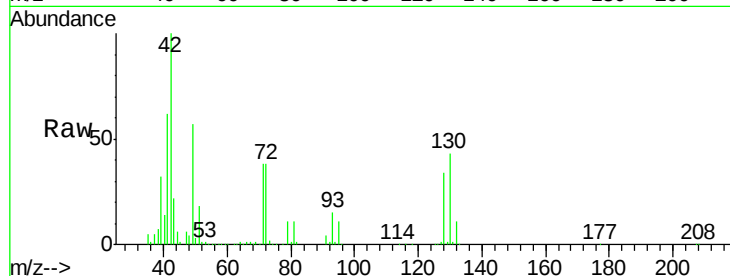




#29
Tetrahydrofuran
Concen: 807.894 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

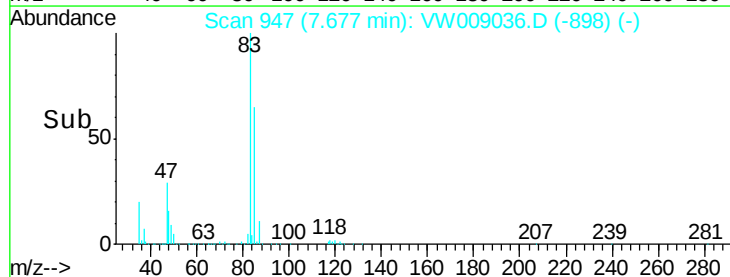
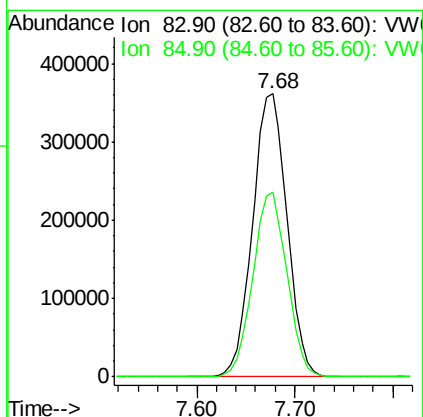
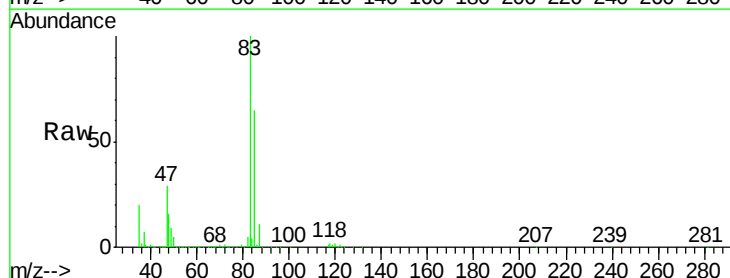
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

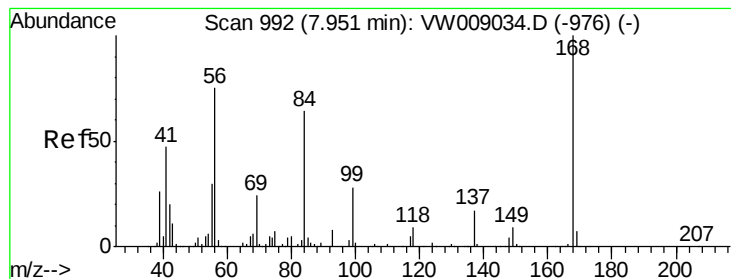
Tgt Ion: 42 Resp: 494352
Ion Ratio Lower Upper
42 100
72 39.2 32.2 48.4
71 37.1 30.7 46.1



#30
Chloroform
Concen: 154.309 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 83 Resp: 881162
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.6





#31

Cyclohexane

Concen: 137.029 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

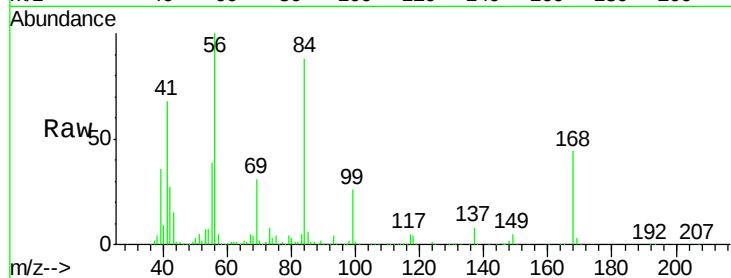
Tgt Ion: 56 Resp: 779143

Ion Ratio Lower Upper

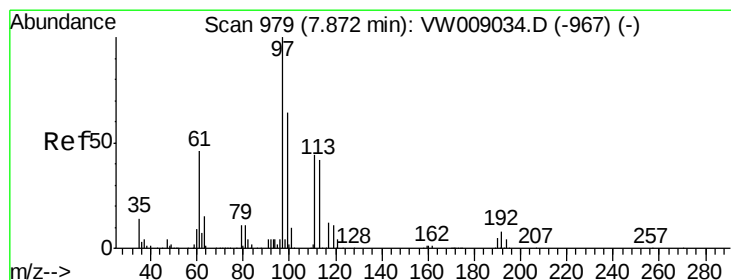
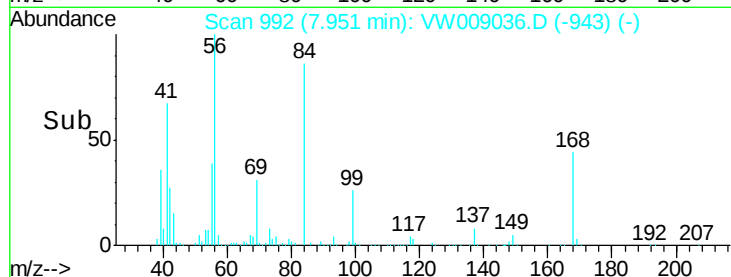
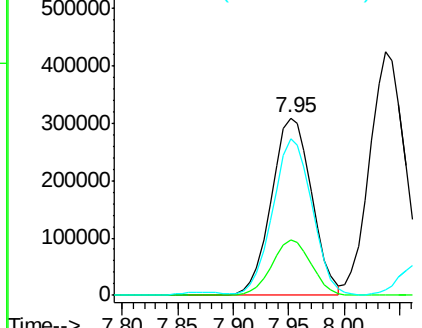
56 100

69 31.1 25.5 38.3

84 86.6 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: 150.426 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

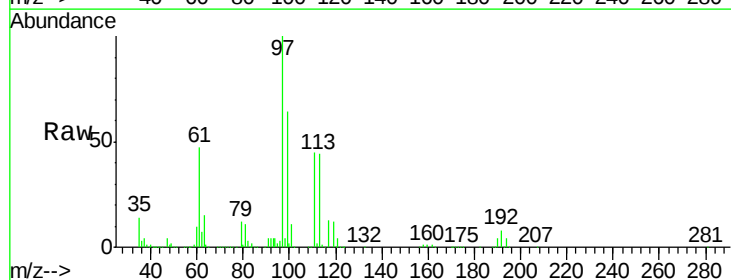
Tgt Ion: 97 Resp: 791046

Ion Ratio Lower Upper

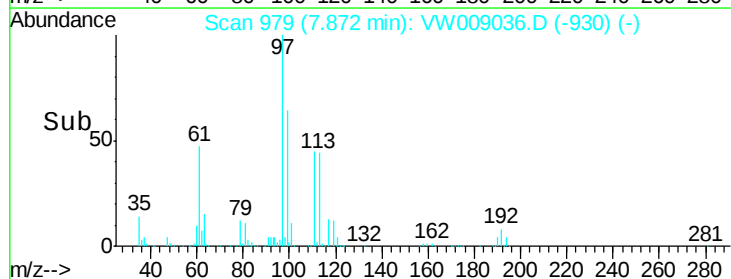
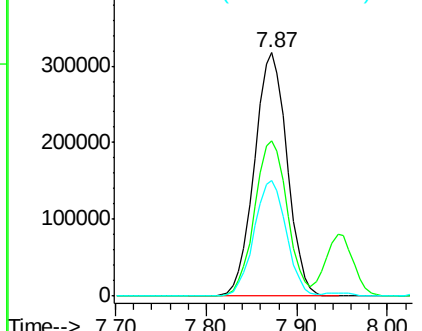
97 100

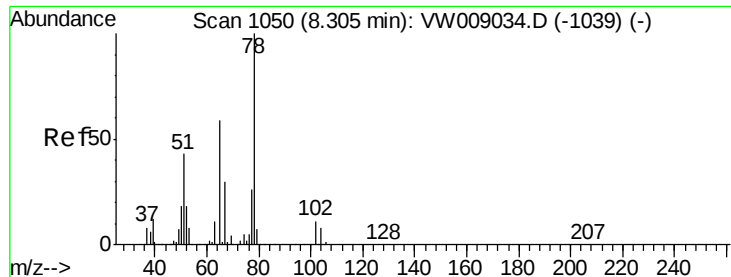
99 64.1 51.8 77.8

61 47.0 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: 155.724 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

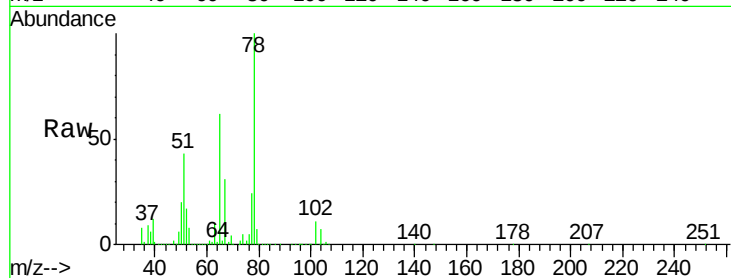
VSTDIC150

Tgt Ion: 65 Resp: 489870

Ion Ratio Lower Upper

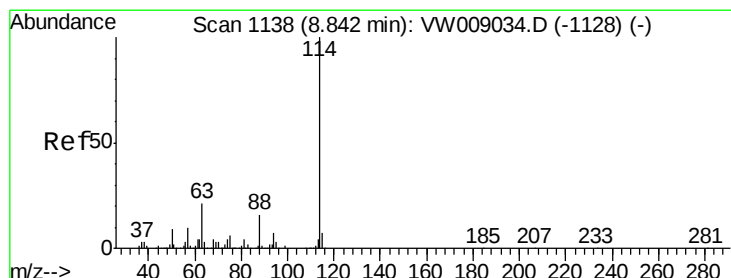
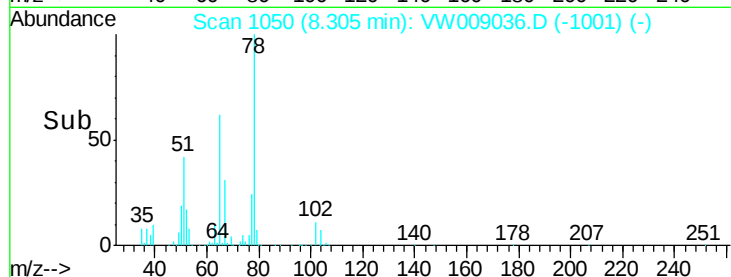
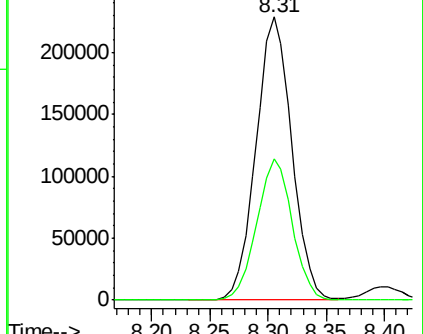
65 100

67 49.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

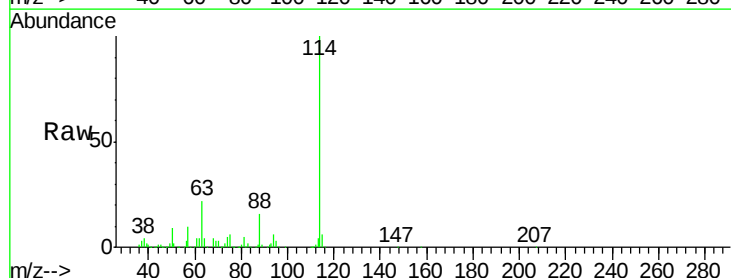
Tgt Ion: 114 Resp: 448551

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.2

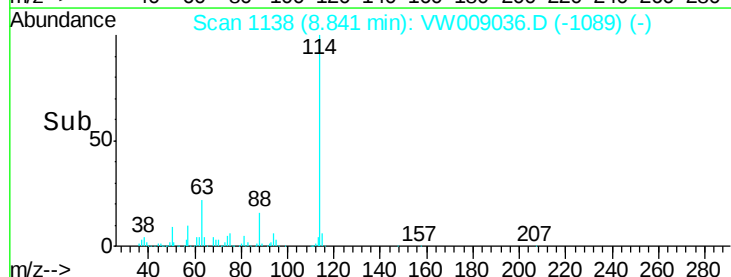
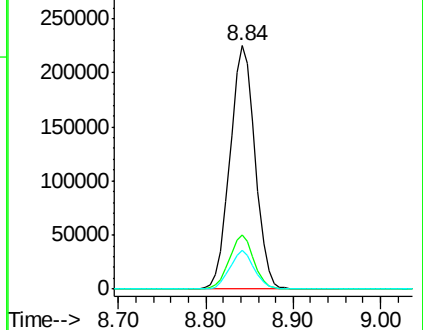
88 15.9 0.0 31.2

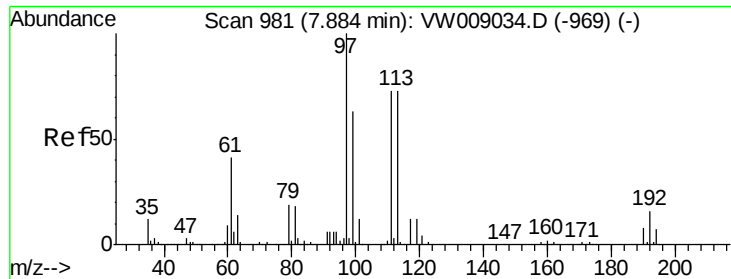


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 157.065 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

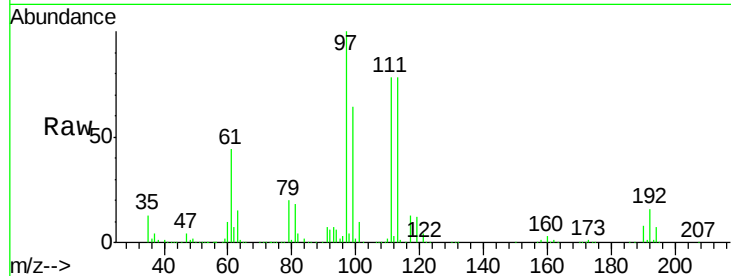
Tgt Ion: 113 Resp: 424907

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

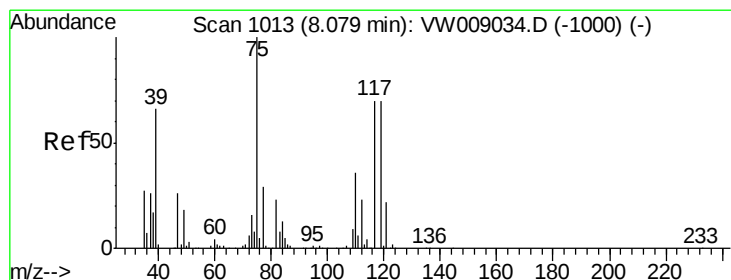
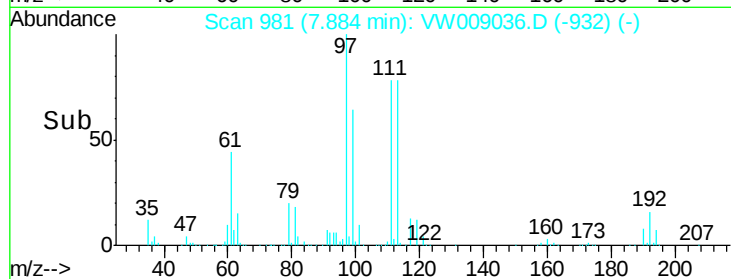
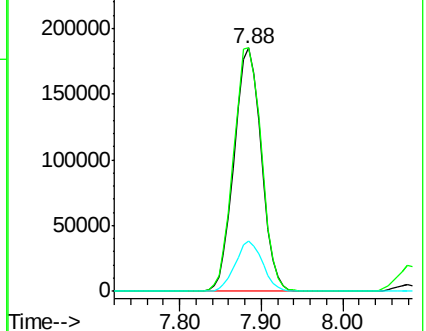
192 20.8 17.1 25.7



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: 141.853 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

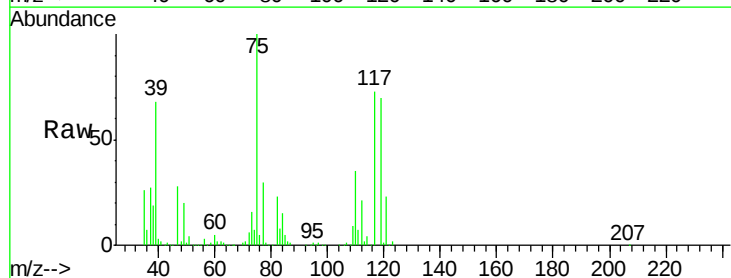
Tgt Ion: 75 Resp: 658356

Ion Ratio Lower Upper

75 100

110 34.3 17.6 52.9

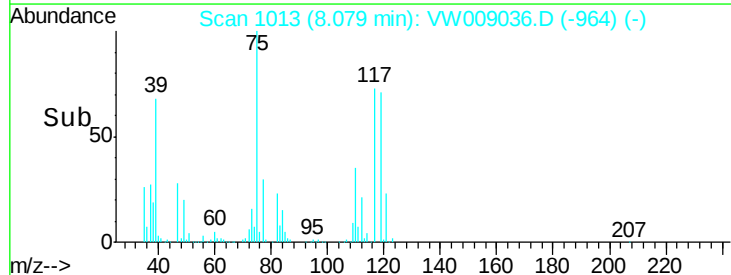
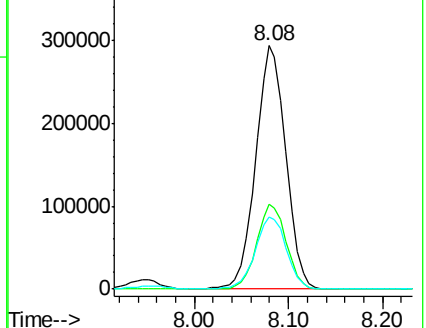
77 30.6 25.1 37.7

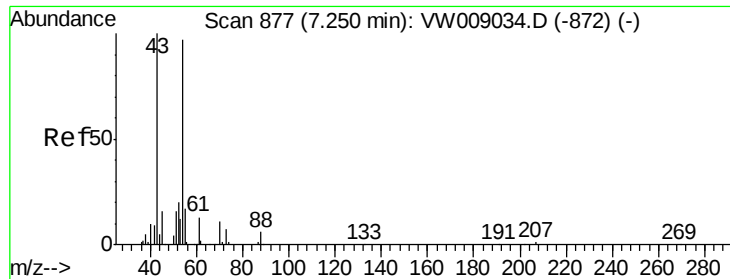


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

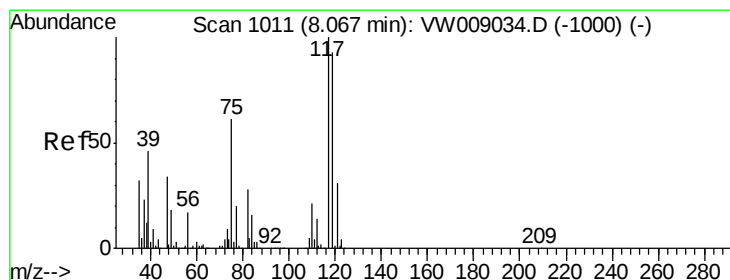
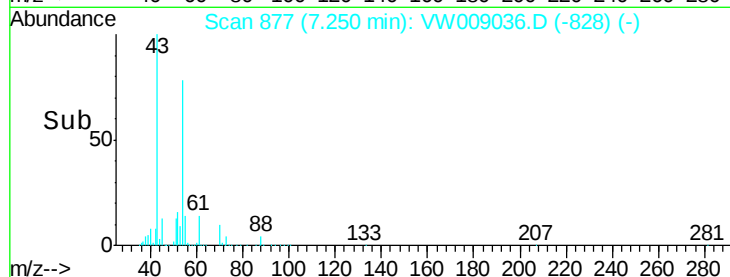
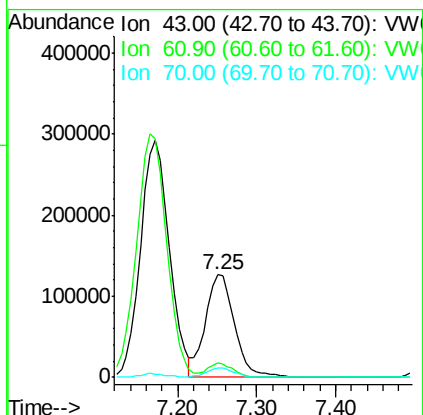
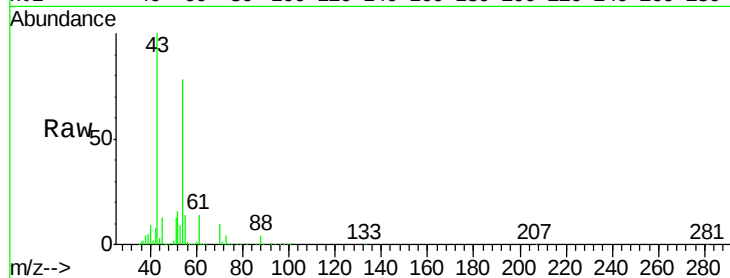




#37
 Ethyl Acetate
 Concen: 148.942 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

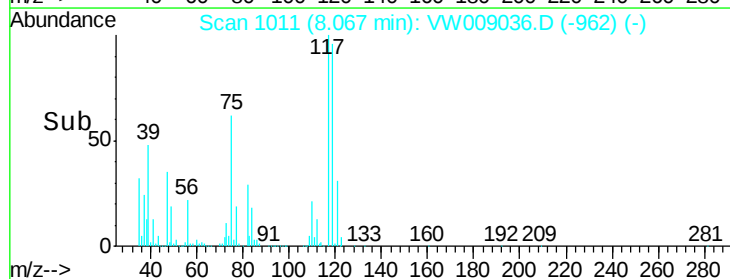
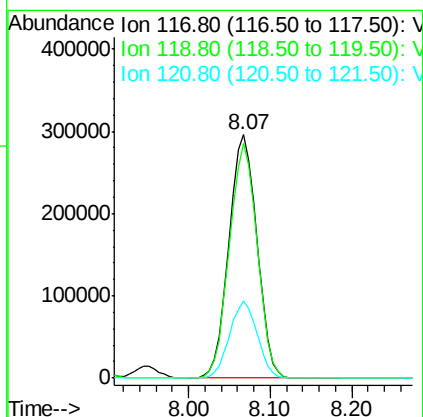
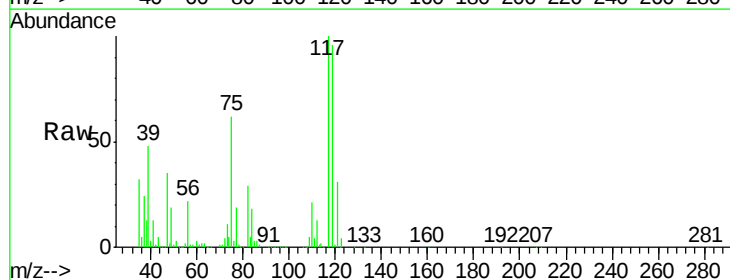
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

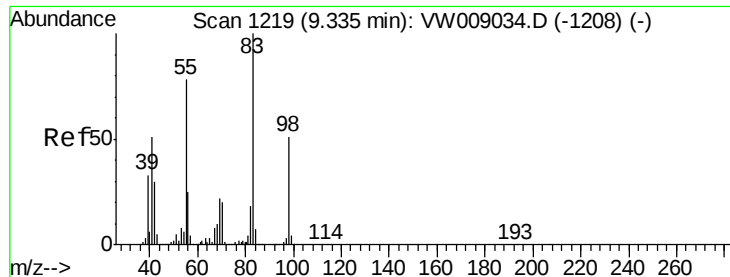
Tgt Ion: 43 Resp: 324754
 Ion Ratio Lower Upper
 43 100
 61 12.2 9.8 14.6
 70 9.1 7.2 10.8



#38
 Carbon Tetrachloride
 Concen: 145.870 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion: 117 Resp: 701620
 Ion Ratio Lower Upper
 117 100
 119 96.3 74.6 112.0
 121 31.5 24.7 37.1

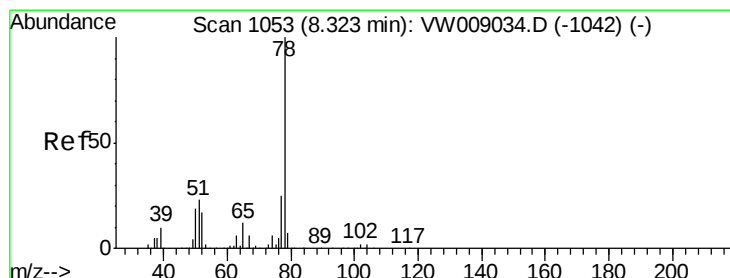
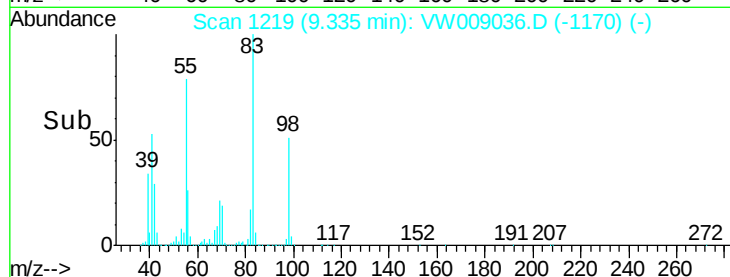
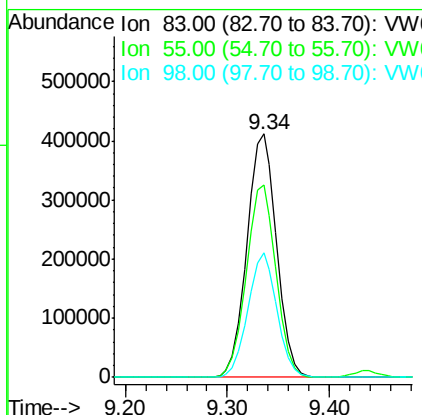
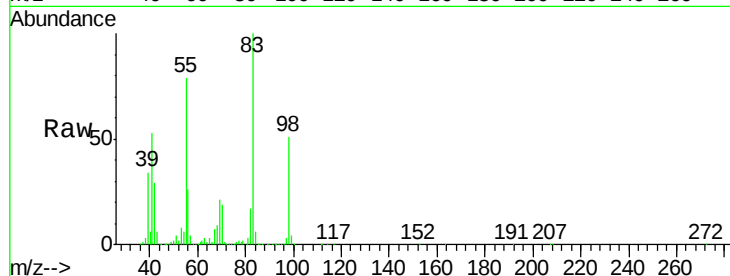




#39
Methylcyclohexane
Concen: 149.996 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

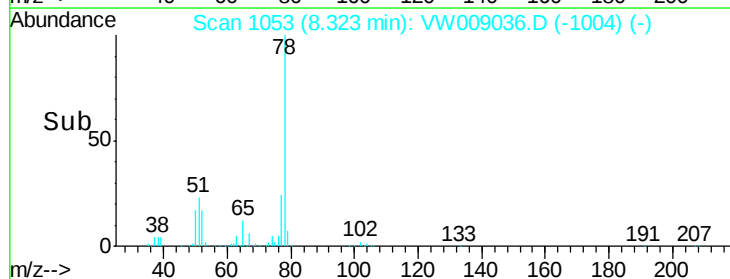
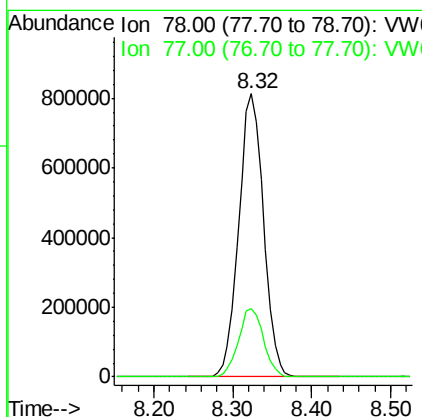
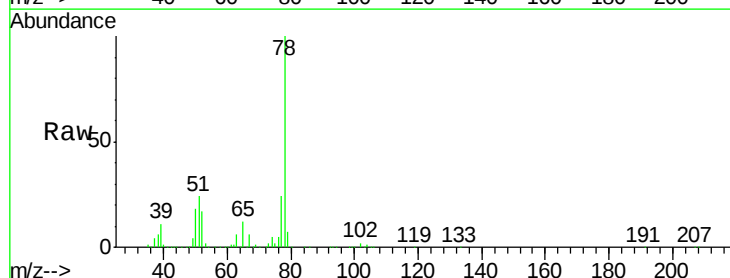
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

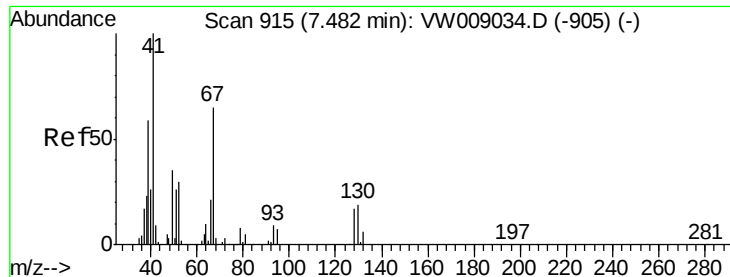
Tgt Ion: 83 Resp: 833780
Ion Ratio Lower Upper
83 100
55 78.8 62.7 94.1
98 50.9 40.8 61.2



#40
Benzene
Concen: 143.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 78 Resp: 1774573
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.4





#41

Methacrylonitrile

Concen: 169.706 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 195000

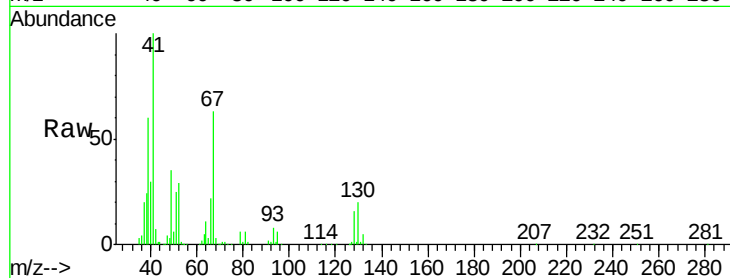
Ion Ratio Lower Upper

41 100

39 58.2 53.6 80.4

67 65.3 57.6 86.4

52 30.9 26.0 39.0

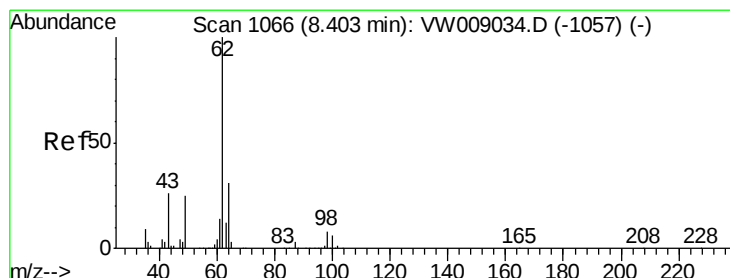
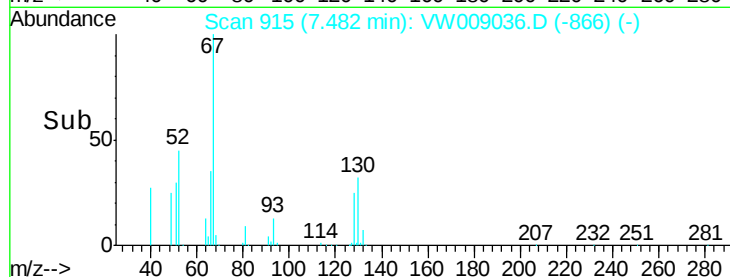
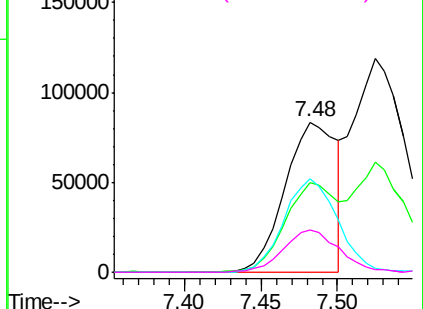


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 152.869 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009036.D

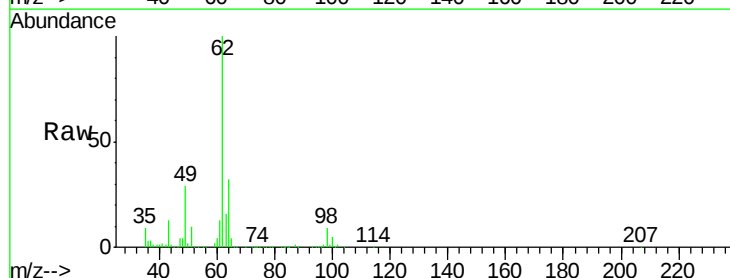
Acq: 07 Mar 2019 13:03

Tgt Ion: 62 Resp: 614743

Ion Ratio Lower Upper

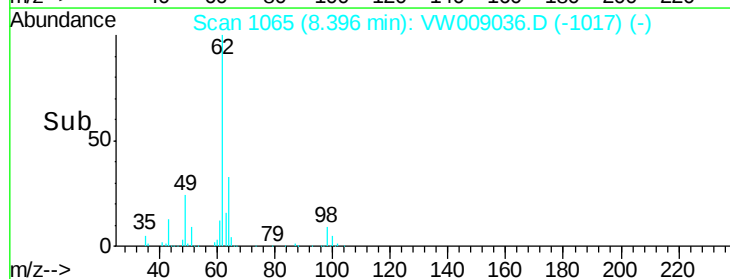
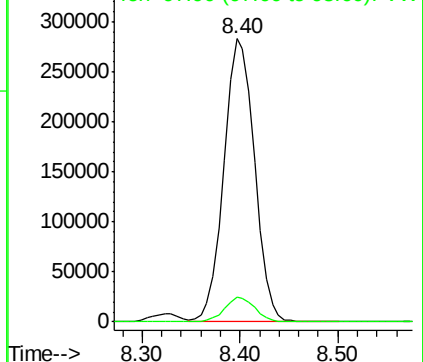
62 100

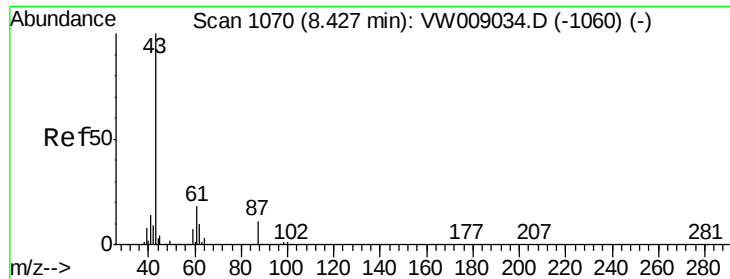
98 8.6 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 156.823 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

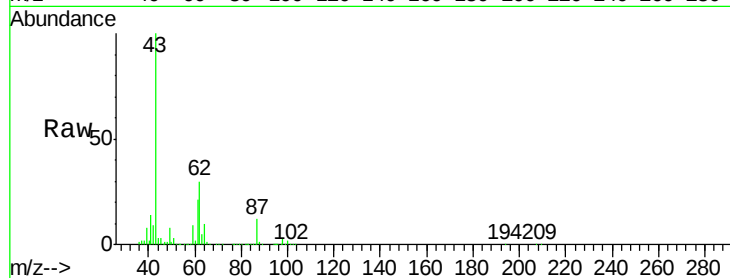
Tgt Ion: 43 Resp: 639618

Ion Ratio Lower Upper

43 100

61 28.0 22.8 34.2

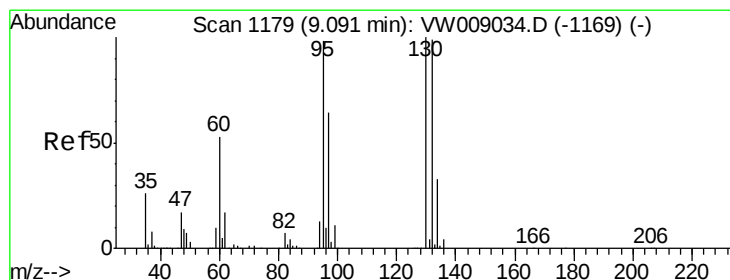
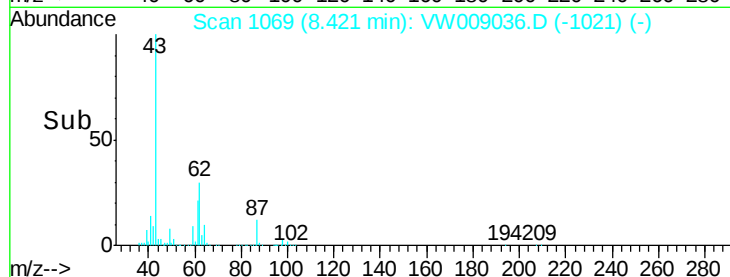
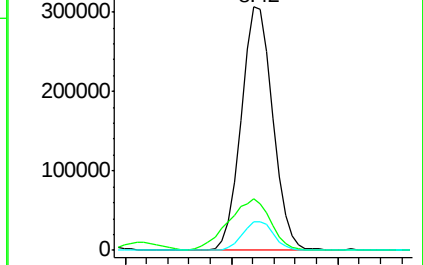
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 139.189 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009036.D

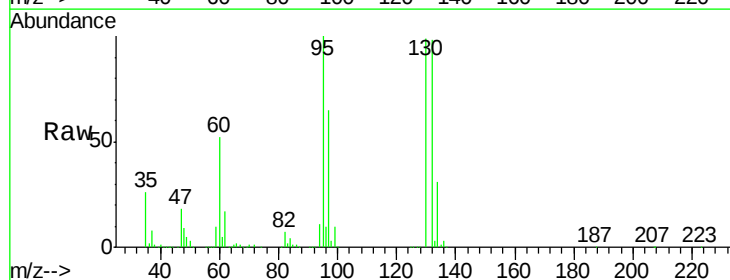
Acq: 07 Mar 2019 13:03

Tgt Ion: 130 Resp: 482917

Ion Ratio Lower Upper

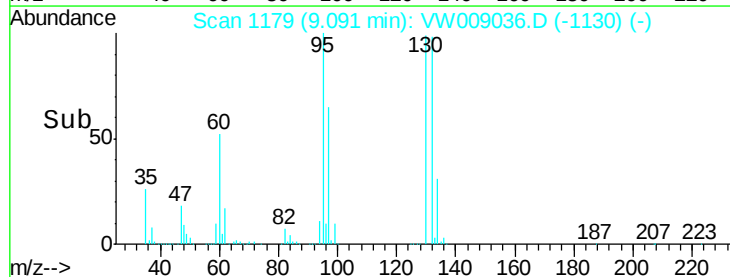
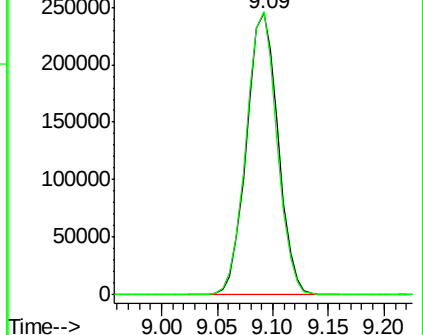
130 100

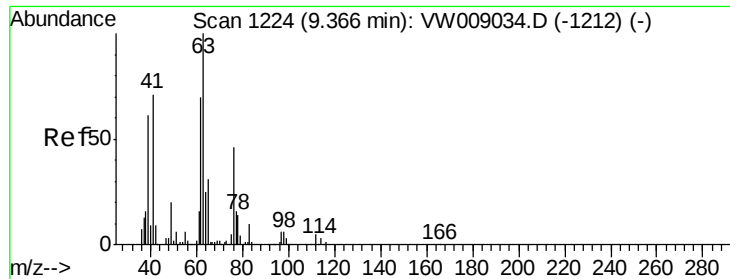
95 100.5 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 145.684 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

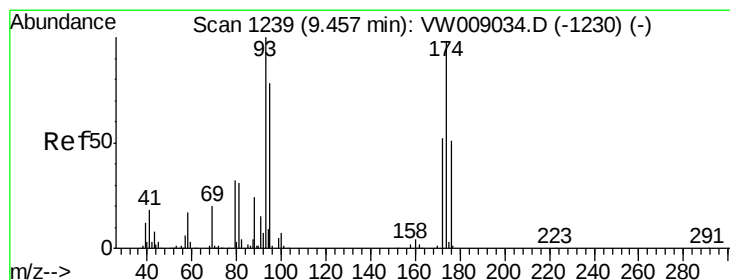
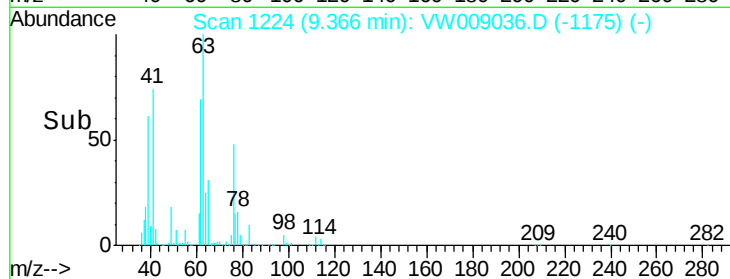
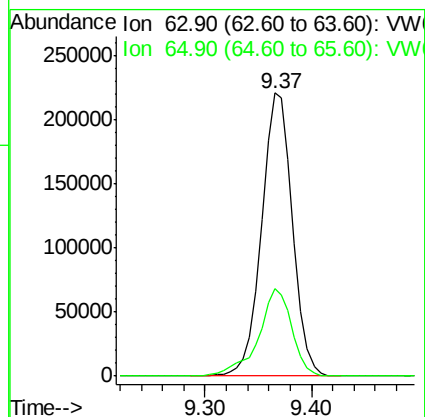
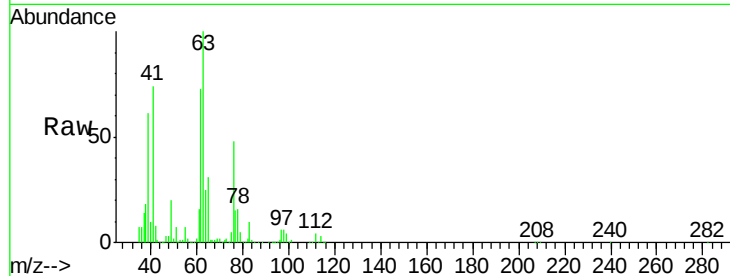
VSTDIC150

Tgt Ion: 63 Resp: 447220

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



#46

Dibromomethane

Concen: 152.807 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

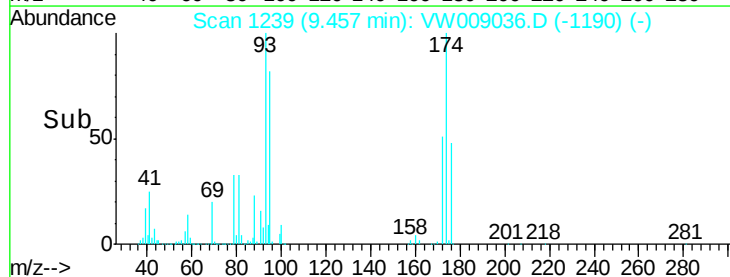
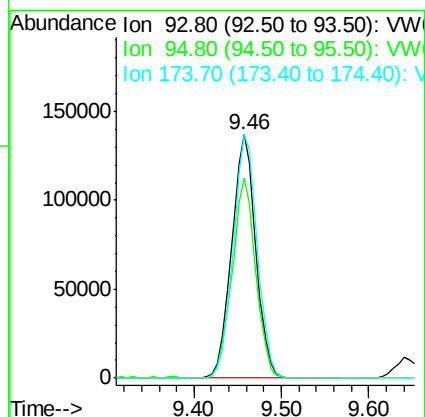
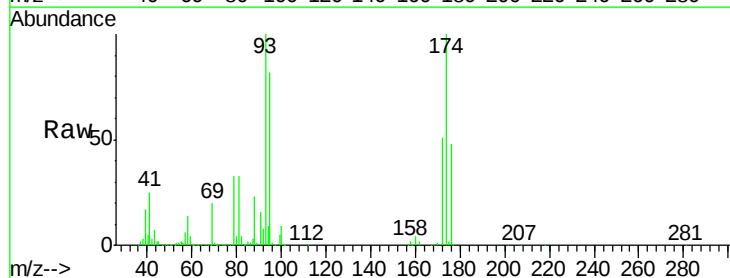
Tgt Ion: 93 Resp: 260544

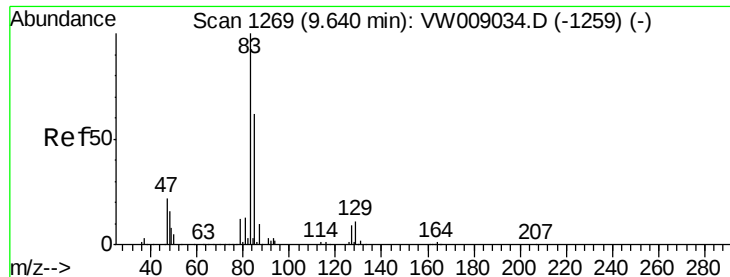
Ion Ratio Lower Upper

93 100

95 80.8 65.0 97.6

174 100.5 81.8 122.6





#47

Bromodichloromethane

Concen: 150.431 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

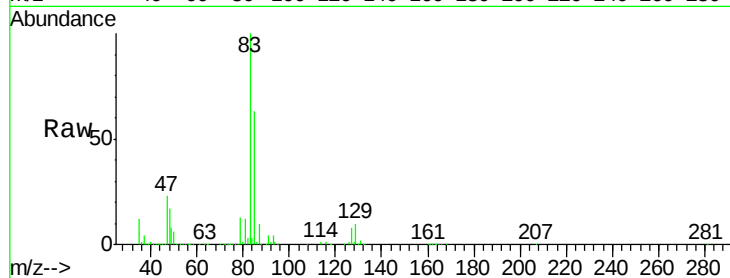
Tgt Ion: 83 Resp: 646491

Ion Ratio Lower Upper

83 100

85 63.2 49.9 74.9

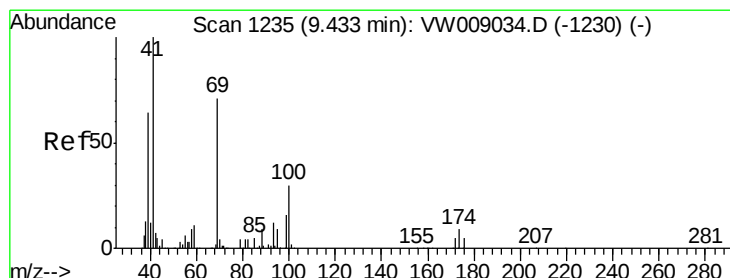
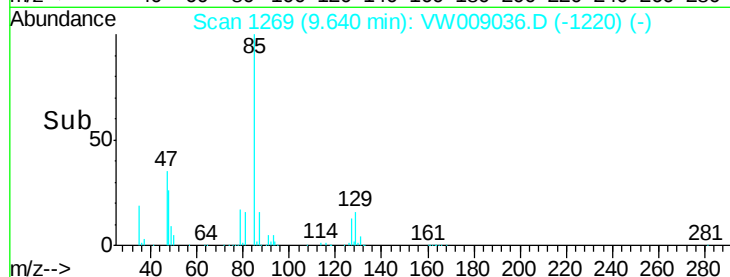
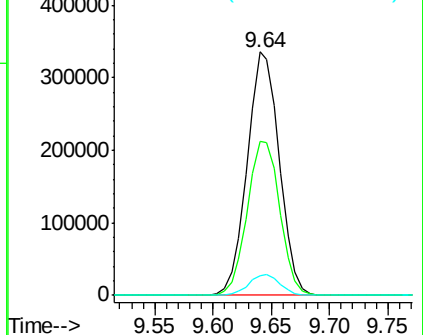
127 8.2 7.1 10.7



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: 160.529 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

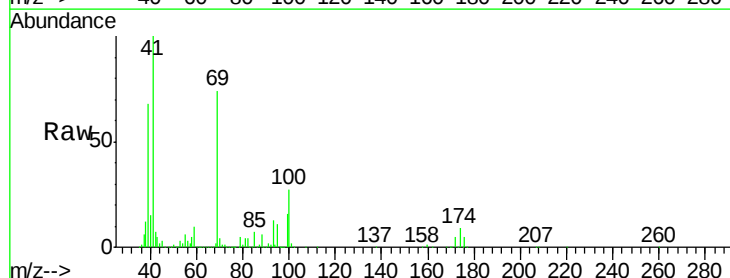
Tgt Ion: 41 Resp: 308730

Ion Ratio Lower Upper

41 100

69 78.0 59.1 88.7

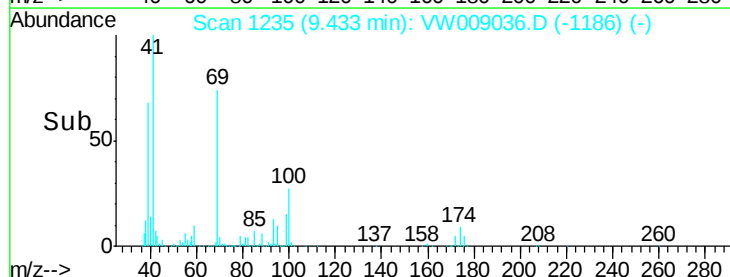
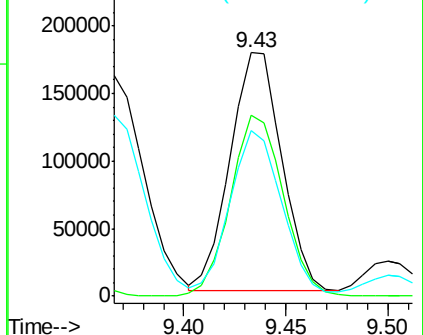
39 67.0 48.9 73.3

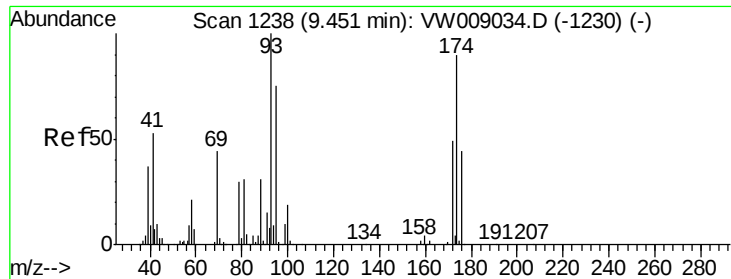


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

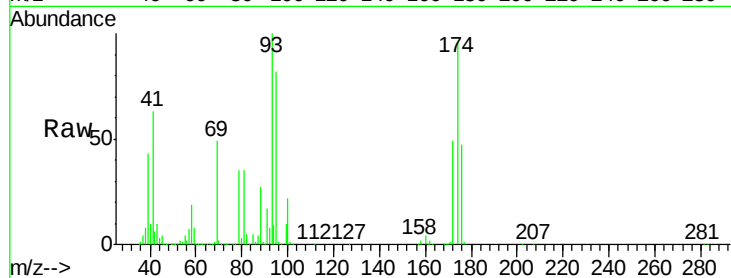




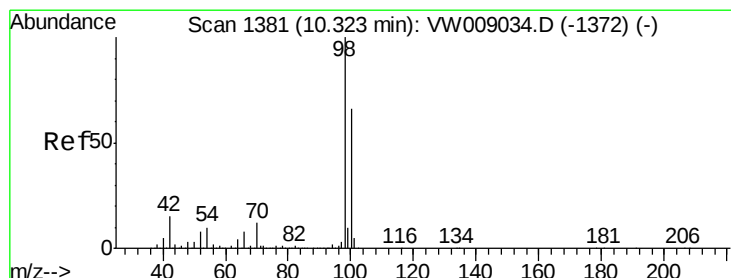
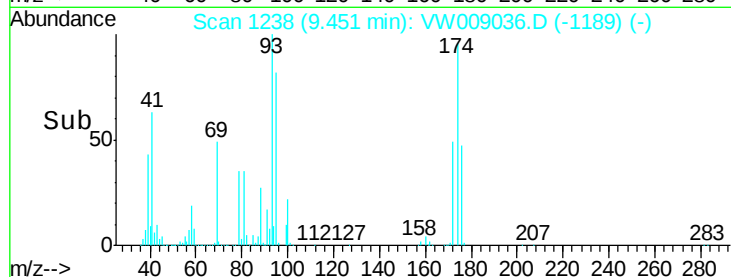
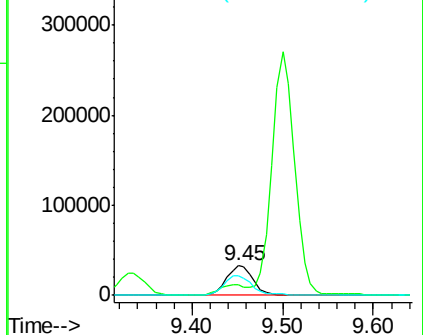
#49
 1,4-Dioxane
 Concen: 2631.083 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 65860
 Ion Ratio Lower Upper
 88 100
 43 37.9 29.0 43.4
 58 74.1 59.2 88.8

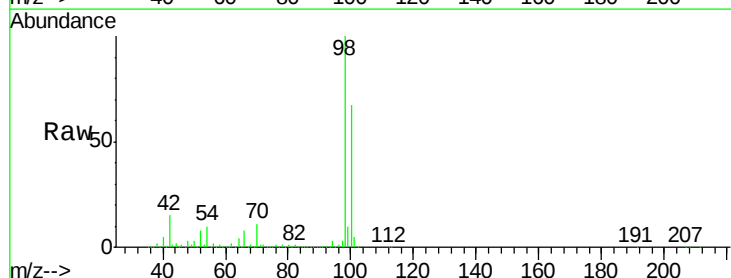


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

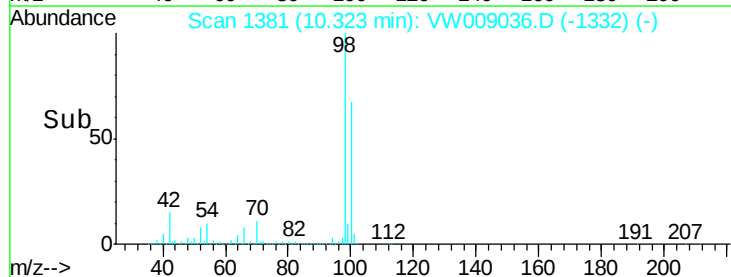
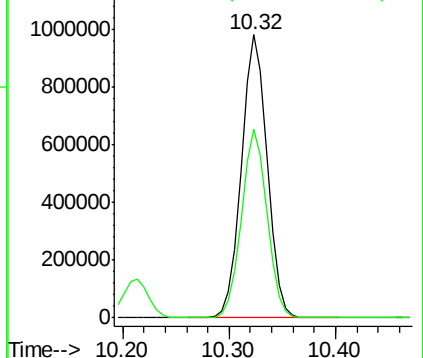


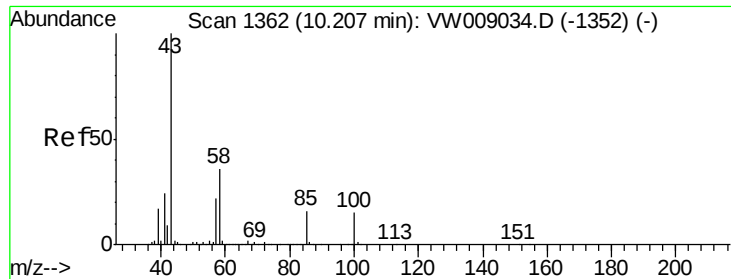
#50
 Toluene-d8
 Concen: 148.824 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion: 98 Resp: 1665032
 Ion Ratio Lower Upper
 98 100
 100 66.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

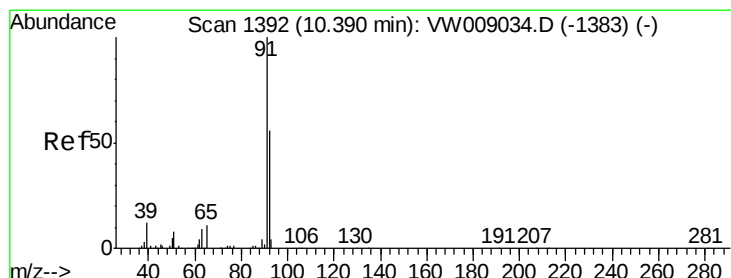
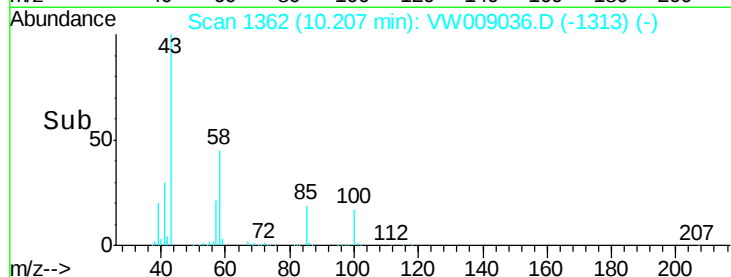
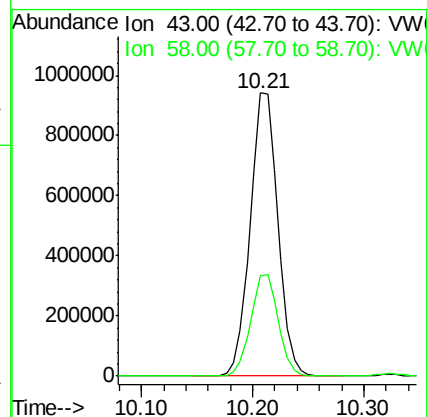
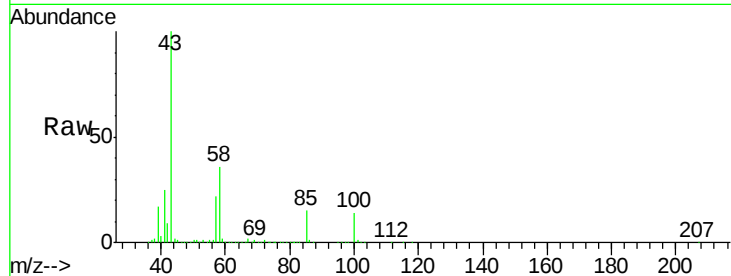




#51
 4-Methyl-2-Pentanone
 Concen: 785.700 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

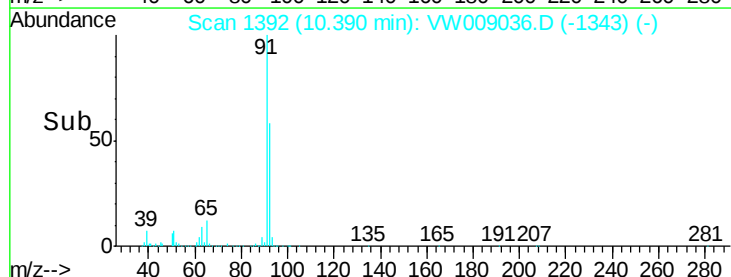
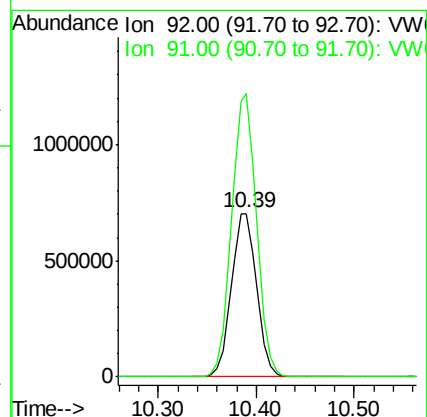
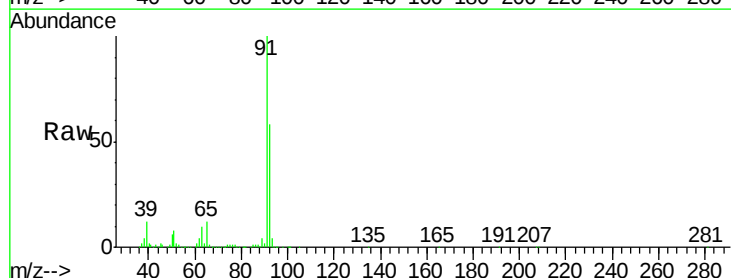
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

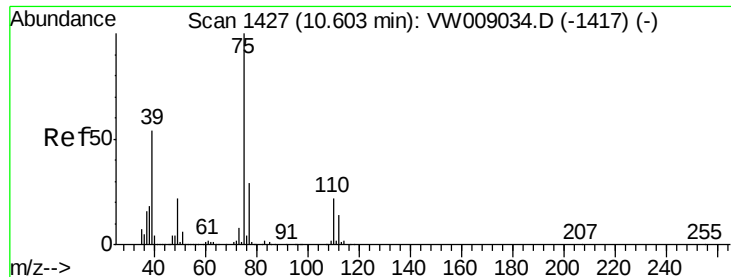
Tgt Ion: 43 Resp: 1633308
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.8 43.2



#52
 Toluene
 Concen: 148.434 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion: 92 Resp: 1249341
 Ion Ratio Lower Upper
 92 100
 91 171.6 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 156.604 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

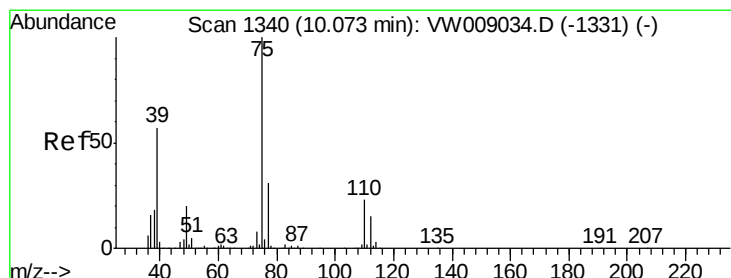
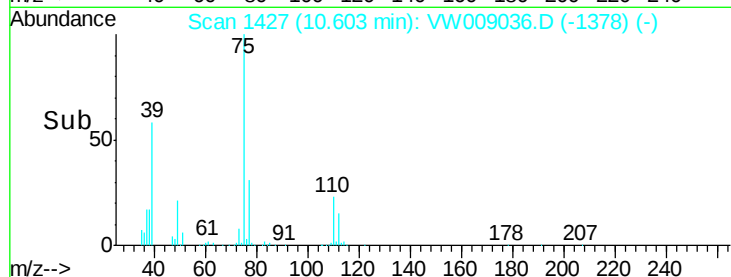
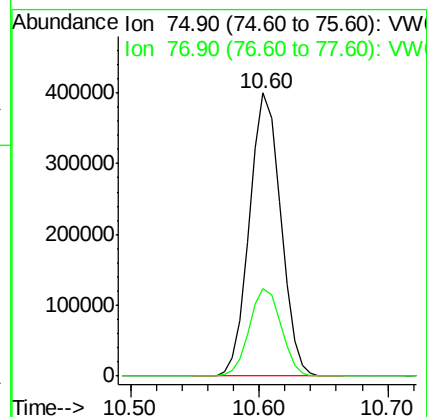
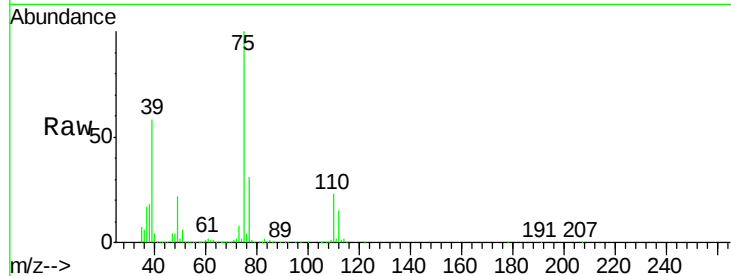
VSTDIC150

Tgt Ion: 75 Resp: 669267

Ion Ratio Lower Upper

75 100

77 30.8 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 152.497 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

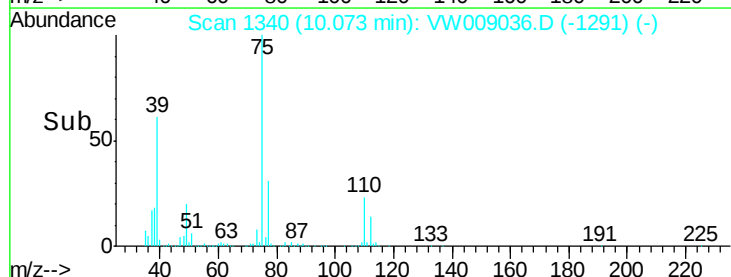
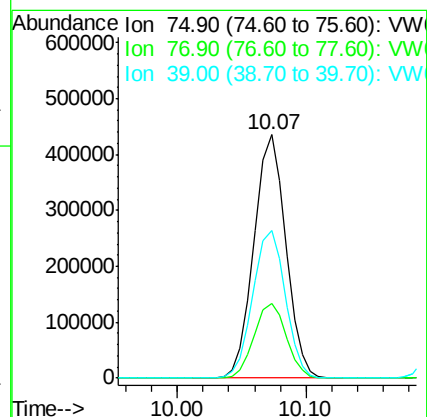
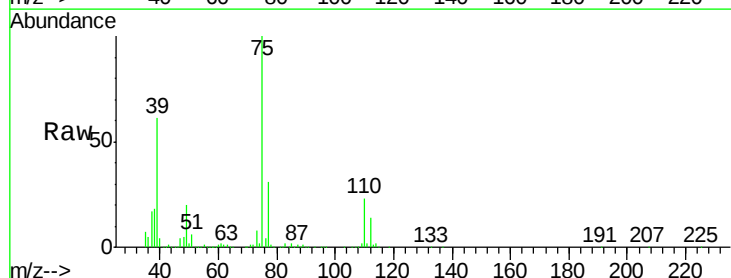
Tgt Ion: 75 Resp: 743595

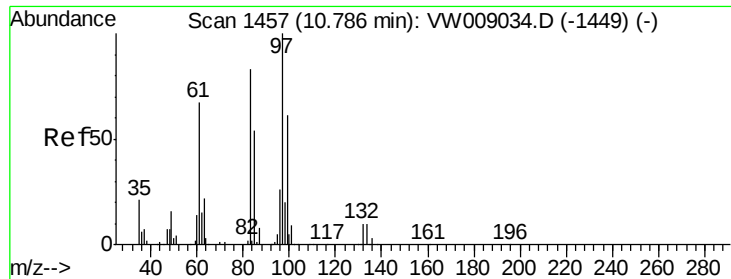
Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

39 60.5 45.9 68.9

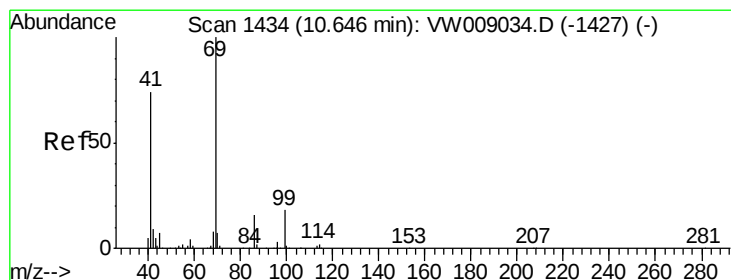
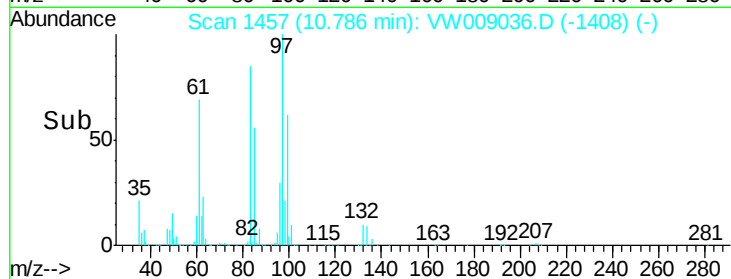
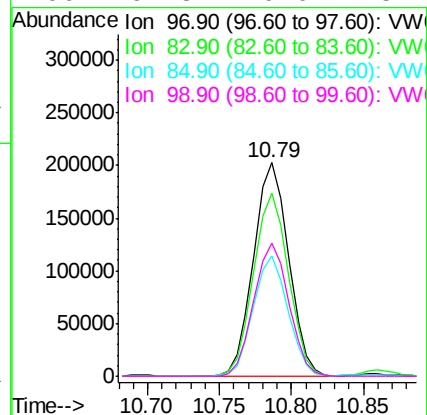
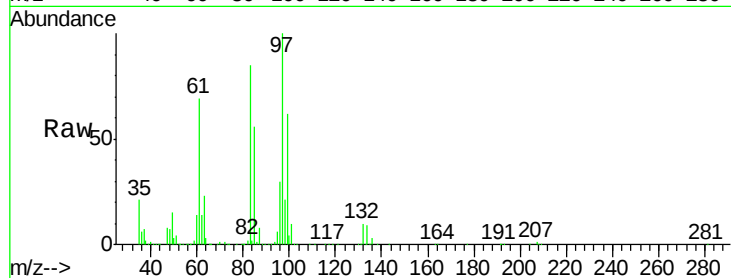




#55
 1,1,2-Trichloroethane
 Concen: 147.560 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

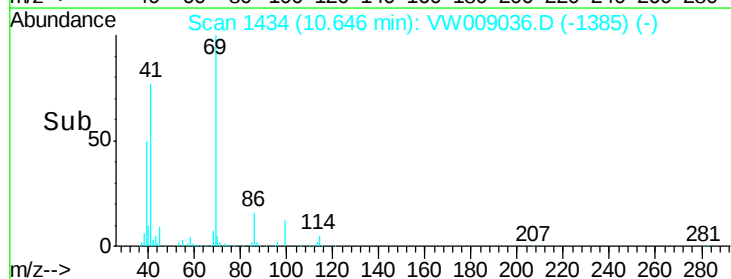
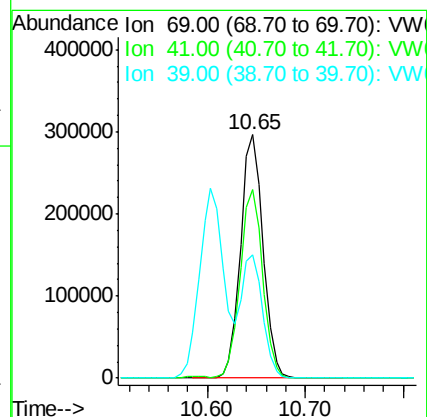
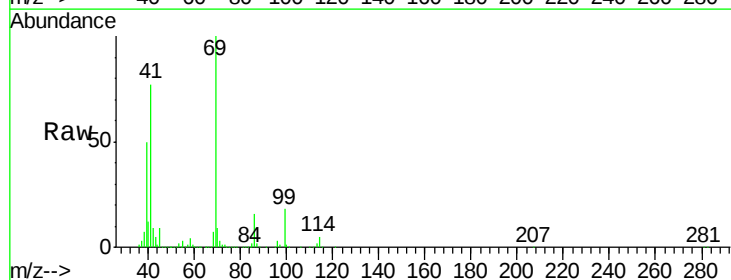
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

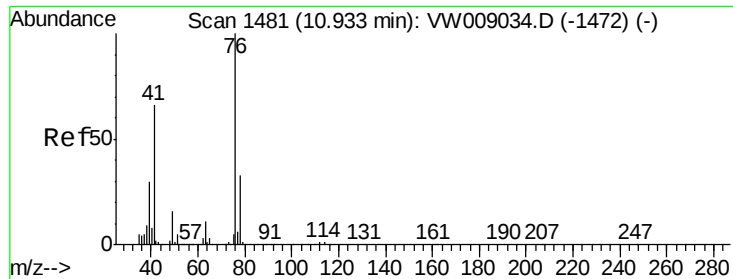
Tgt Ion:	97	Resp:	340936
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.2	99.2
85	56.3	43.6	65.4
99	62.3	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 163.711 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:	69	Resp:	474300
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.4	89.2
39	47.3	38.5	57.7





#57

1,3-Dichloropropane

Concen: 147.104 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

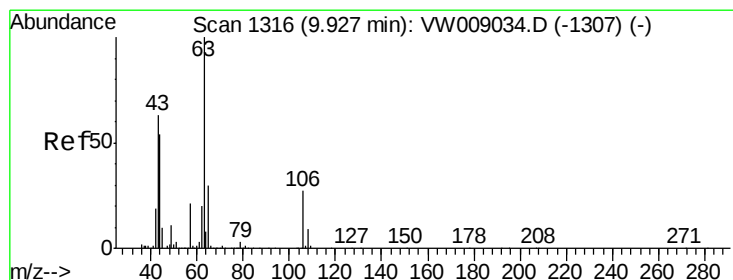
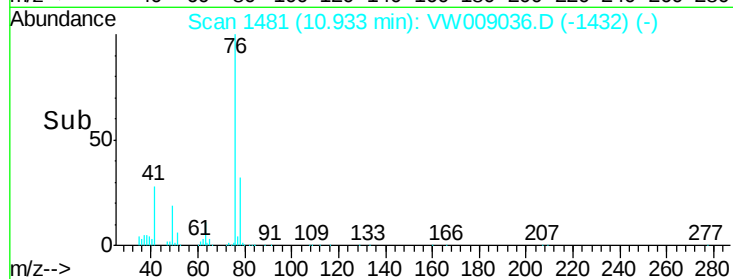
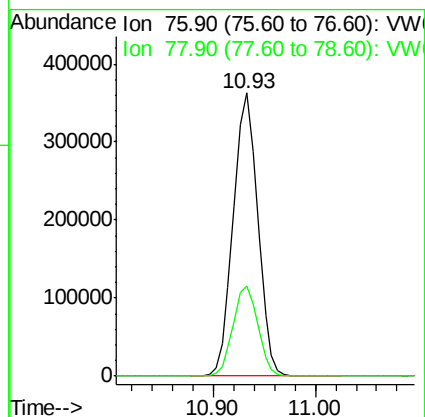
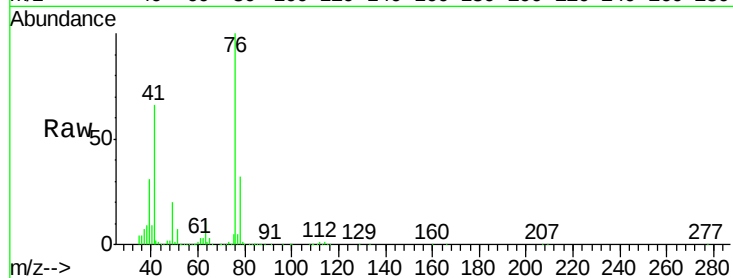
VSTDIC150

Tgt Ion: 76 Resp: 603385

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 784.396 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW009036.D

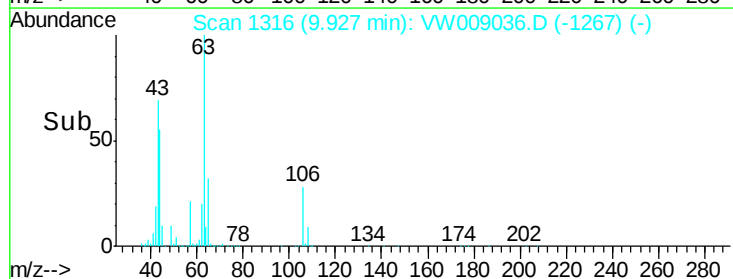
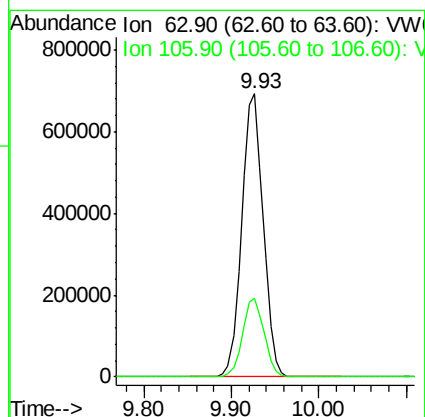
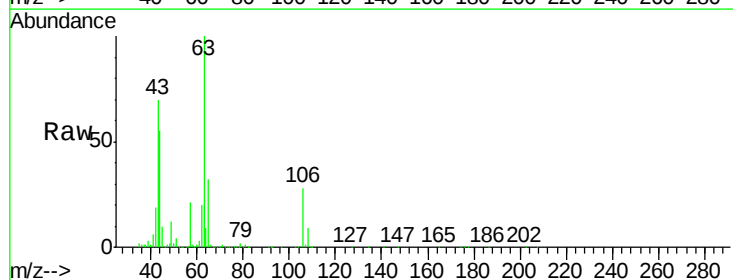
Acq: 07 Mar 2019 13:03

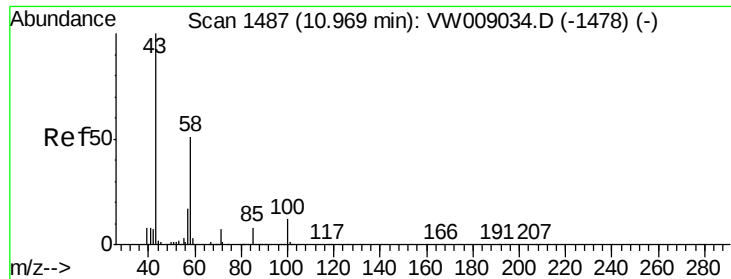
Tgt Ion: 63 Resp: 1180793

Ion Ratio Lower Upper

63 100

106 27.9 23.0 34.6

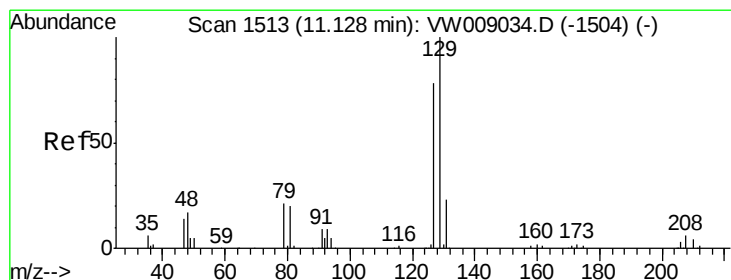
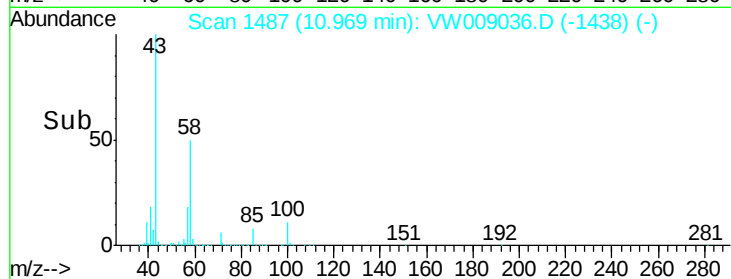
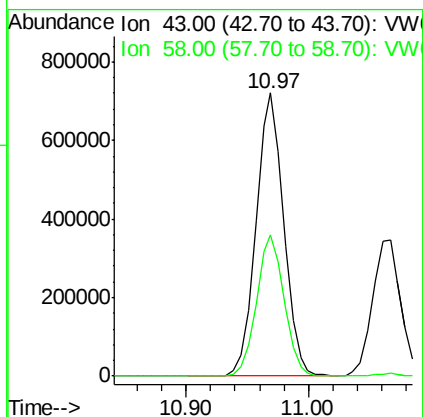
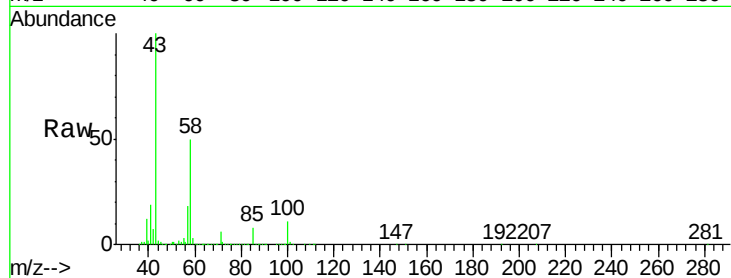




#59
2-Hexanone
Concen: 774.692 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

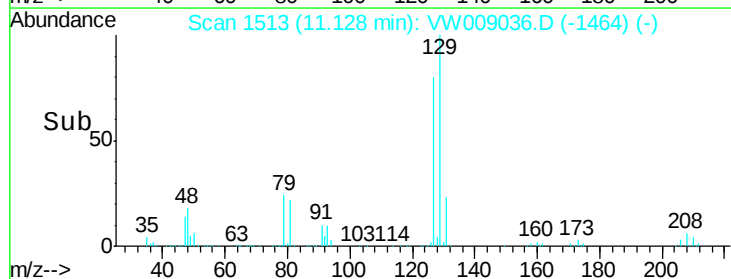
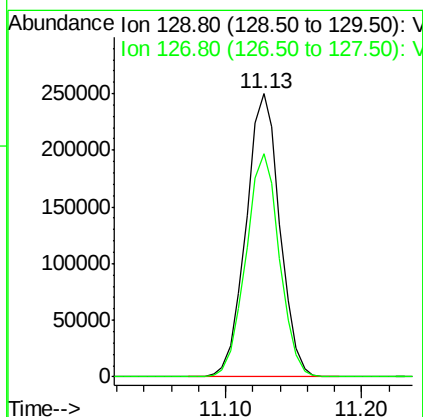
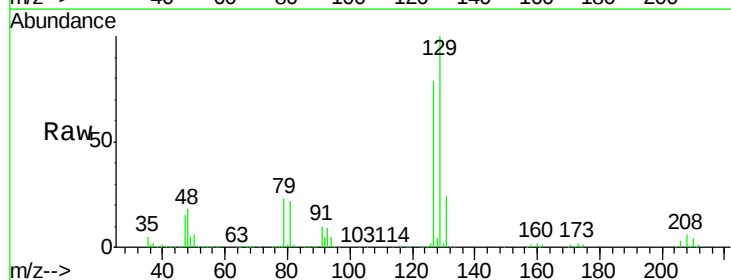
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

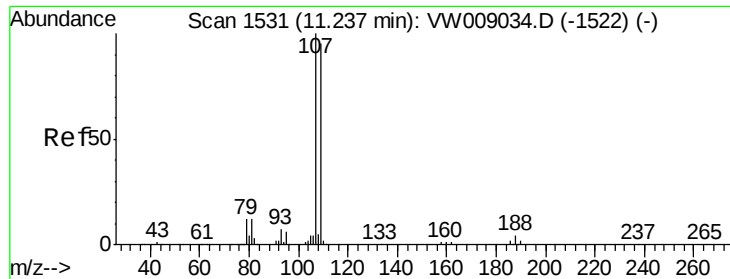
Tgt Ion: 43 Resp: 1136948
Ion Ratio Lower Upper
43 100
58 49.7 25.3 75.9



#60
Dibromochloromethane
Concen: 152.507 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 129 Resp: 432925
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 148.913 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

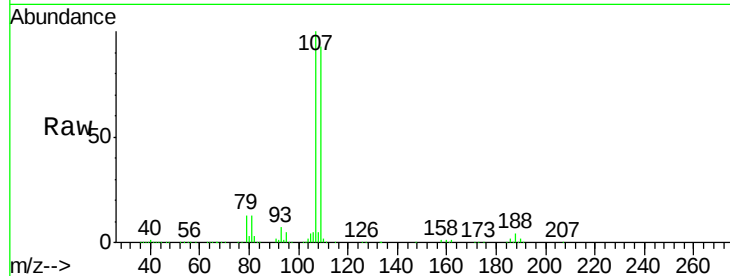
VSTDIC150

Tgt Ion: 107 Resp: 334371

Ion Ratio Lower Upper

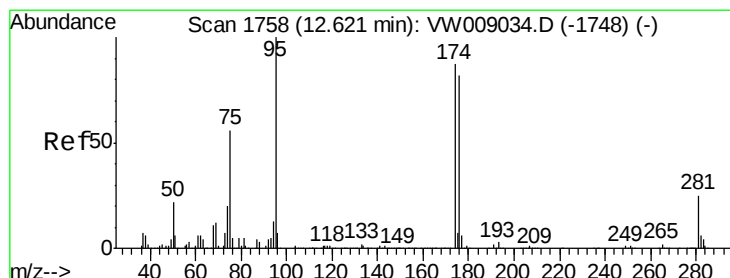
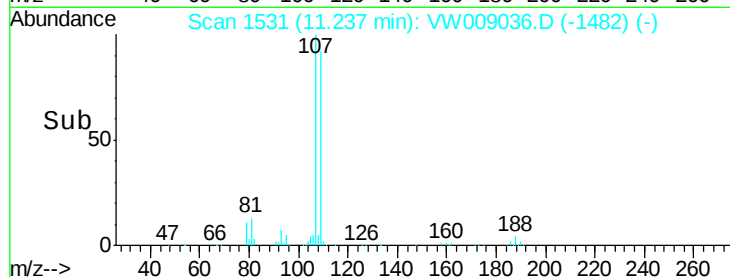
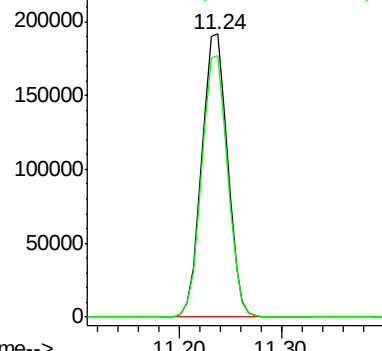
107 100

109 92.9 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: 148.782 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

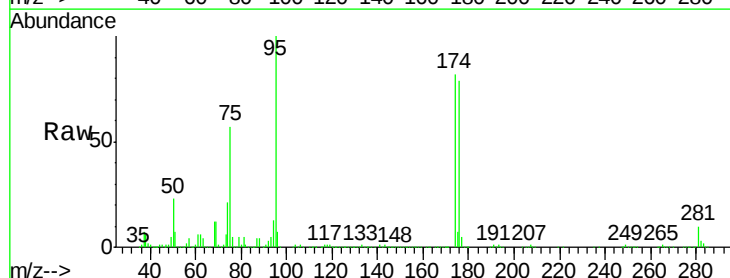
Tgt Ion: 95 Resp: 654353

Ion Ratio Lower Upper

95 100

174 80.7 0.0 167.0

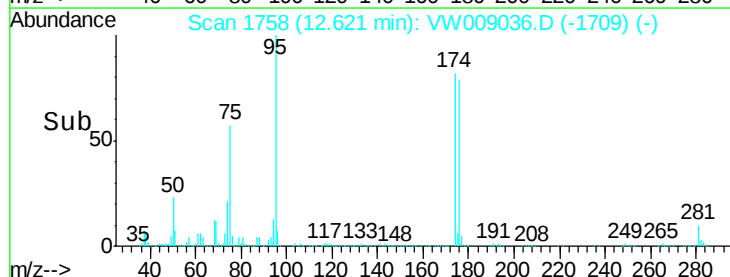
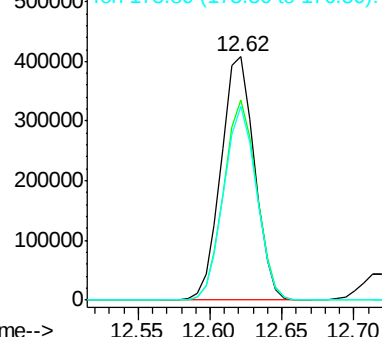
176 77.8 0.0 159.4

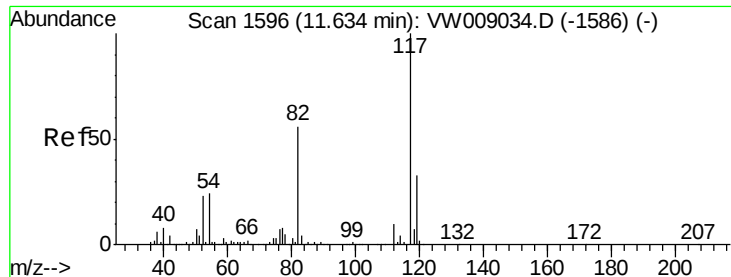


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

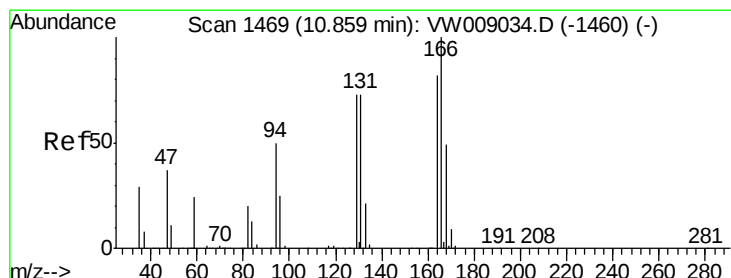
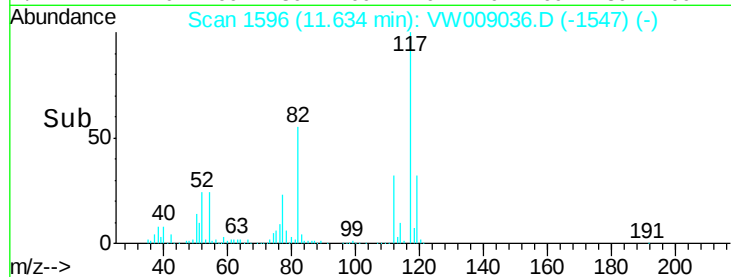
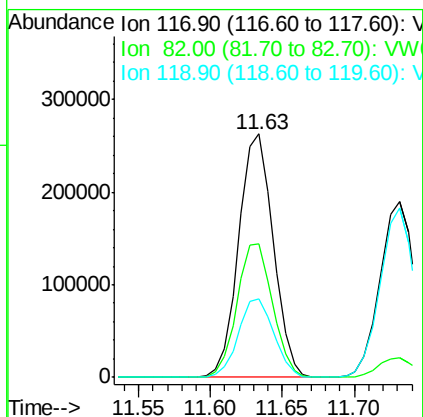
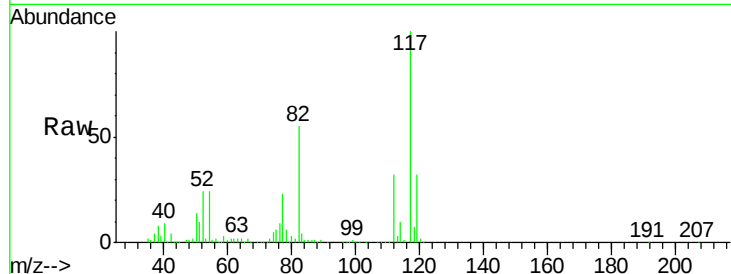




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

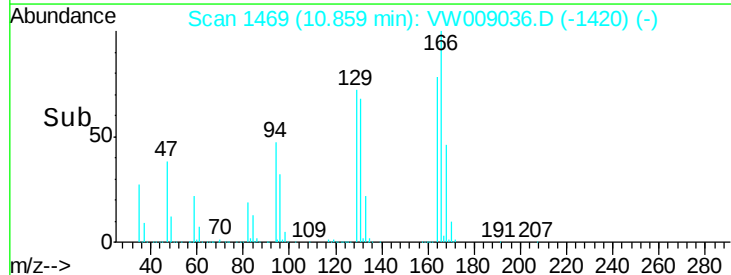
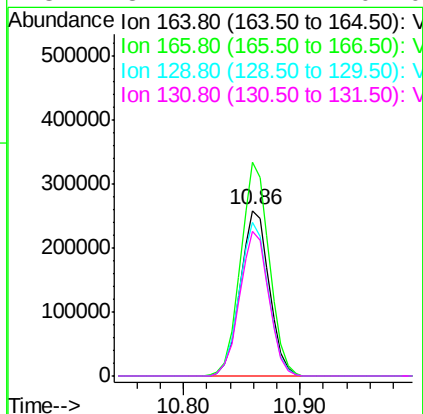
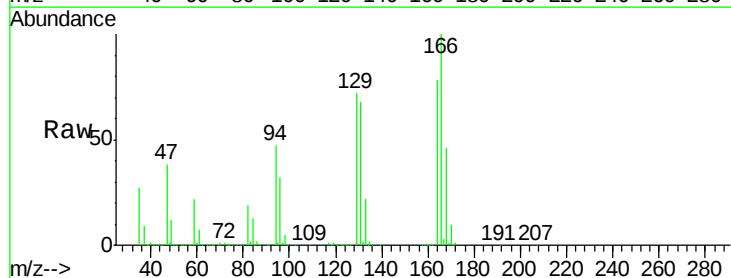
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

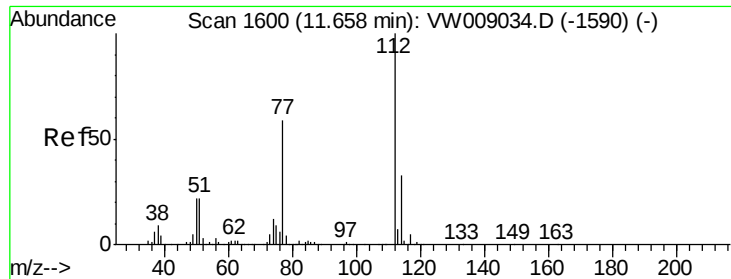
Tgt Ion:117 Resp: 439815
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 139.603 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion:164 Resp: 445764
Ion Ratio Lower Upper
164 100
166 128.9 97.8 146.6
129 92.6 71.6 107.4
131 87.1 71.4 107.0

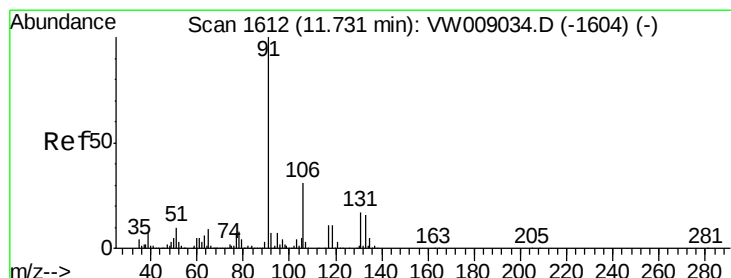
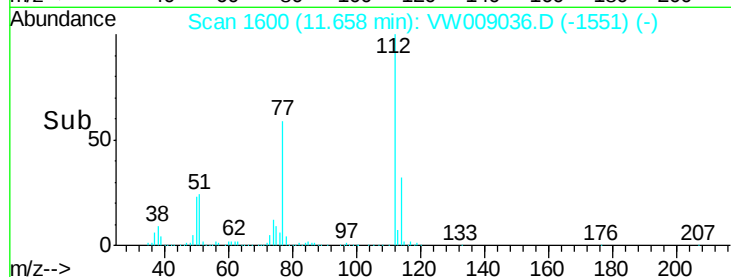
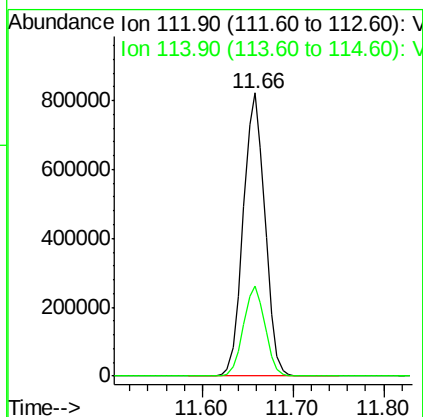
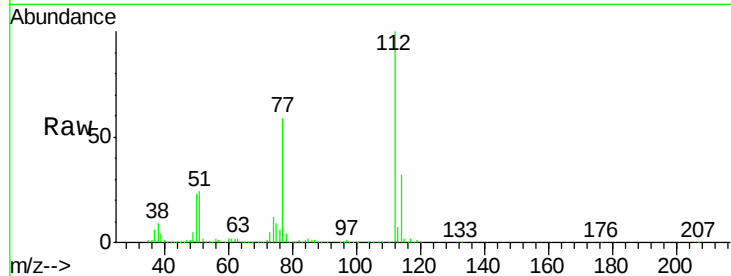




#65
Chlorobenzene
Concen: 143.145 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

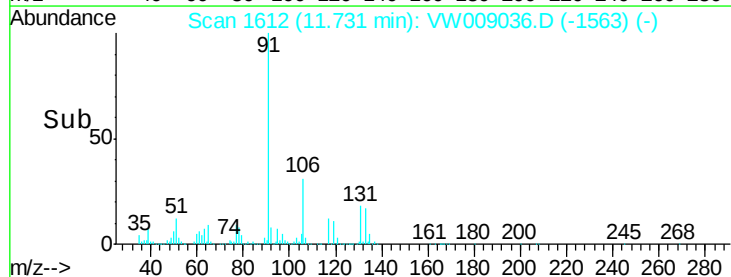
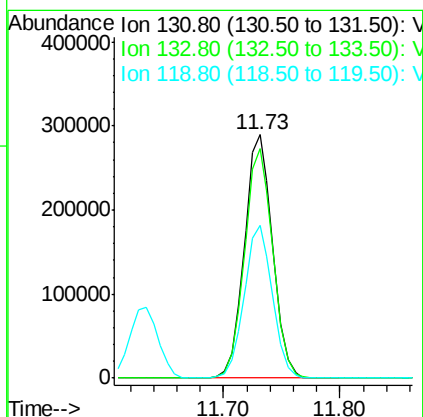
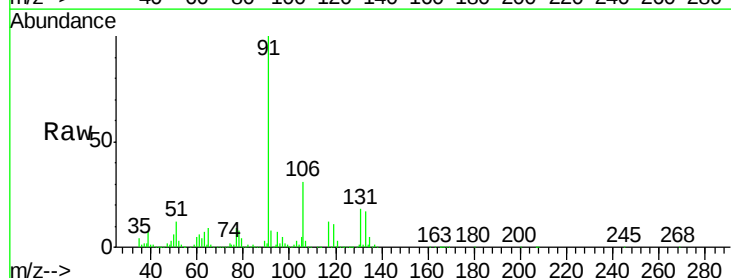
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

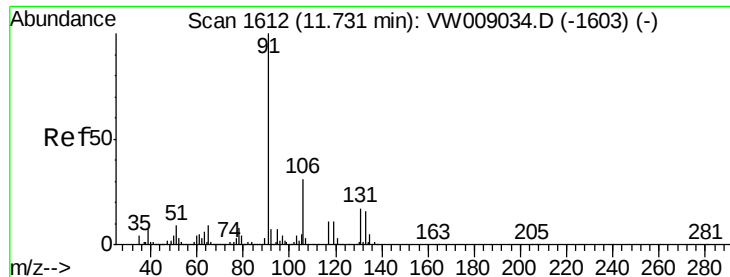
Tgt Ion:112 Resp: 1356296
Ion Ratio Lower Upper
112 100
114 31.7 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 153.630 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion:131 Resp: 485302
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.8
119 62.8 31.3 93.8

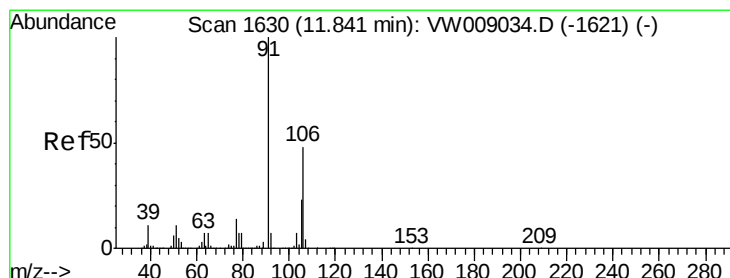
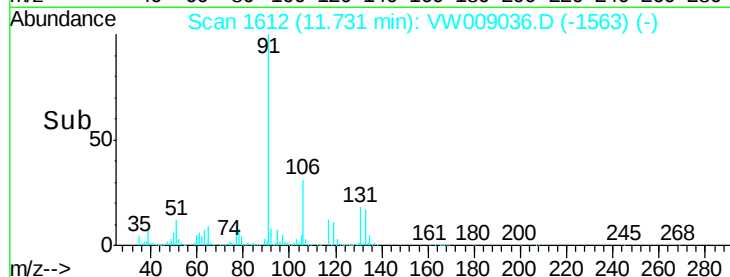
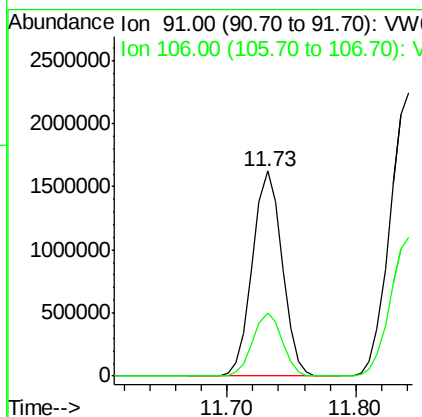
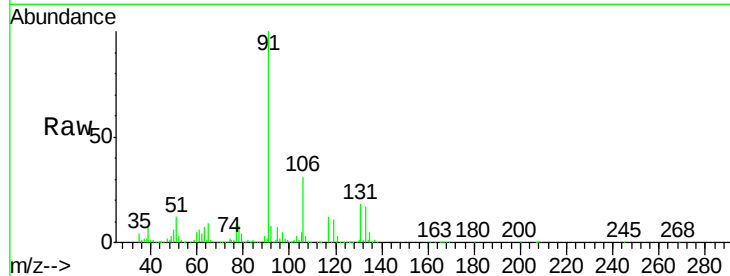




#67
Ethyl Benzene
Concen: 151.708 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

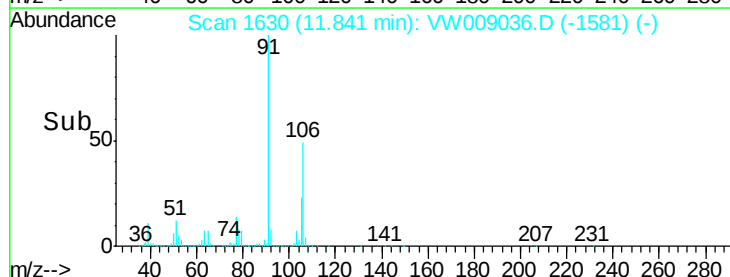
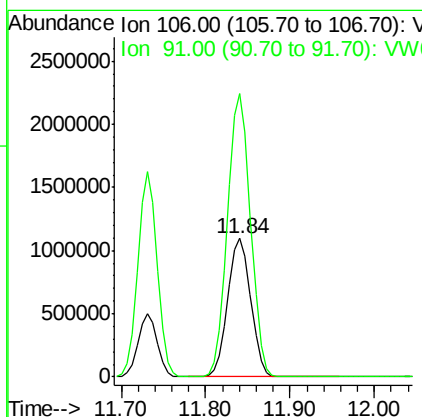
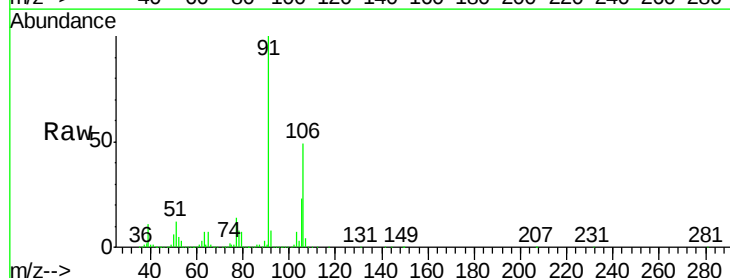
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

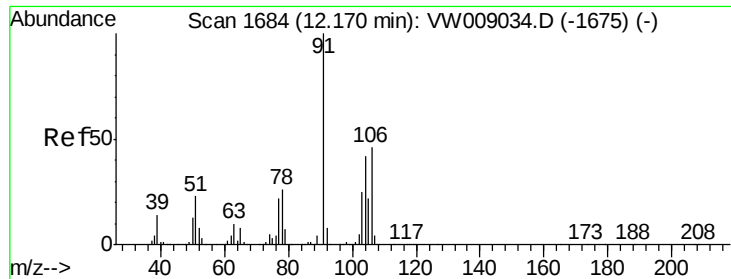
Tgt Ion: 91 Resp: 2582680
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 303.534 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 106 Resp: 2042232
Ion Ratio Lower Upper
106 100
91 204.2 163.2 244.8

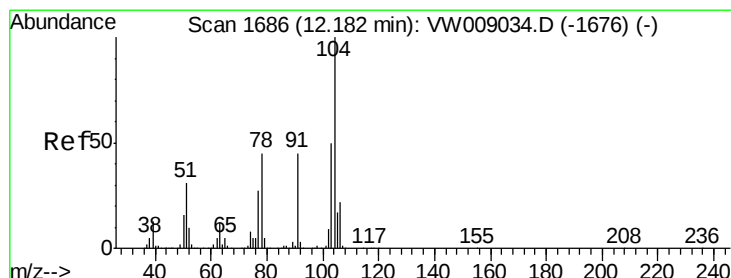
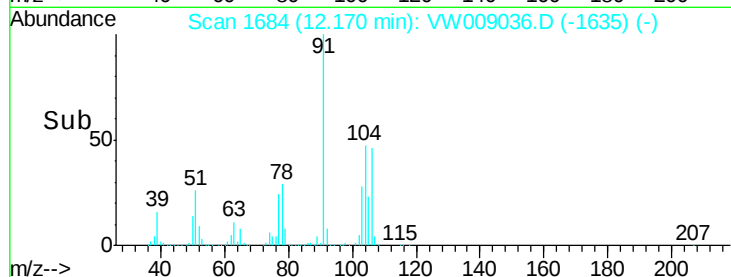
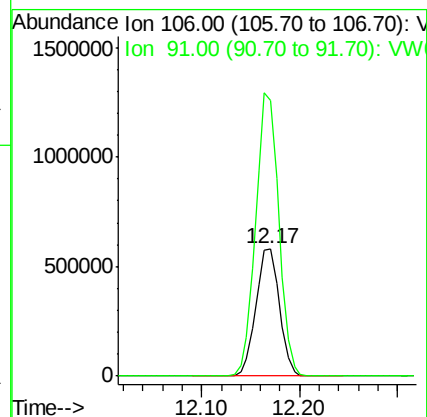
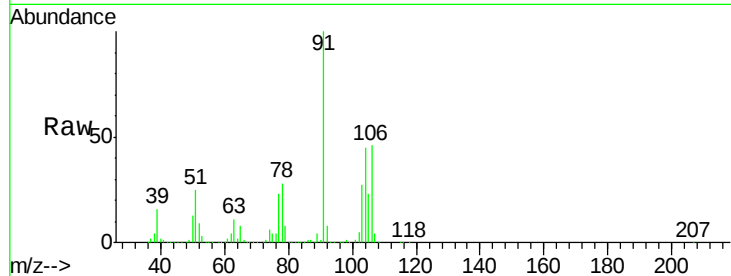




#69
o-Xylene
Concen: 154.616 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

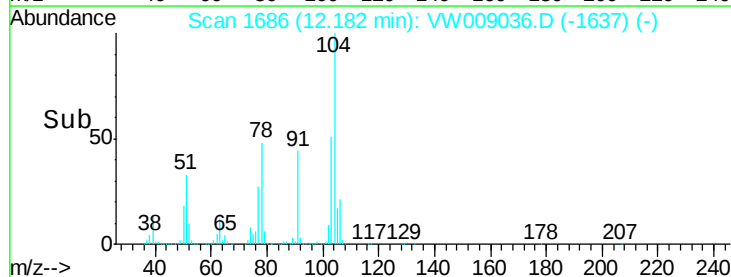
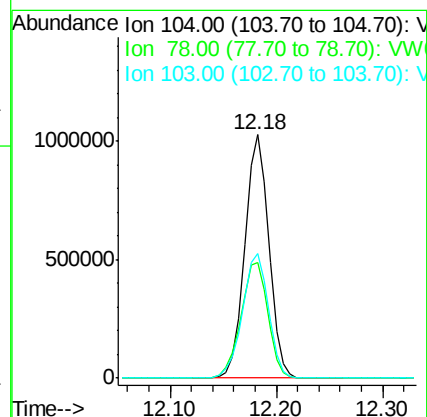
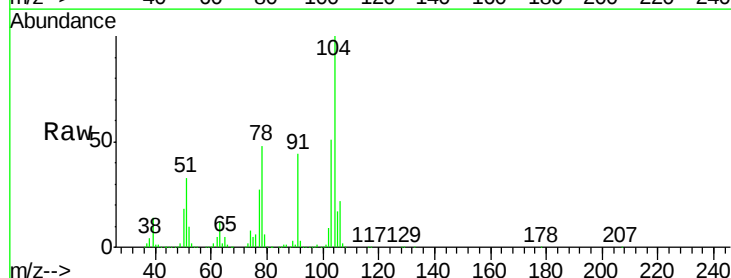
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

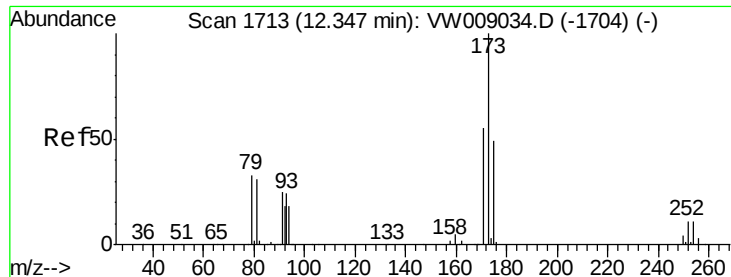
Tgt Ion:106 Resp: 969819
Ion Ratio Lower Upper
106 100
91 218.4 108.6 325.6



#70
Styrene
Concen: 159.712 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion:104 Resp: 1630849
Ion Ratio Lower Upper
104 100
78 53.5 42.1 63.1
103 55.6 43.9 65.9





#71

Bromoform

Concen: 160.282 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

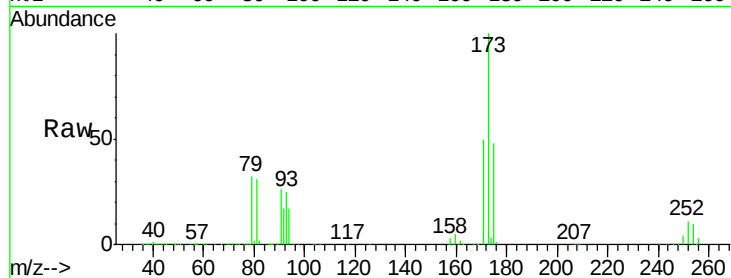
Tgt Ion:173 Resp: 274552

Ion Ratio Lower Upper

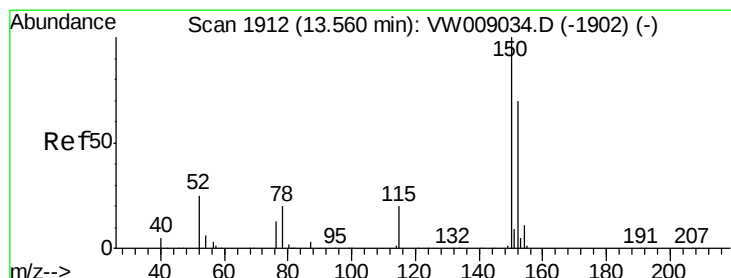
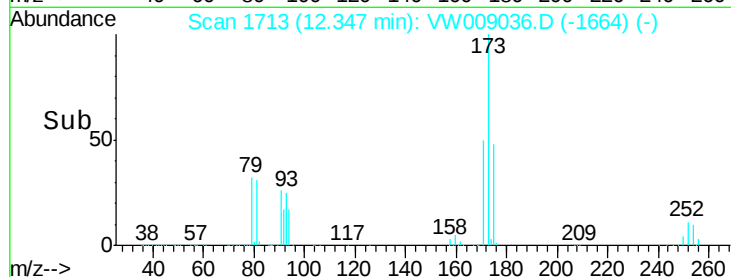
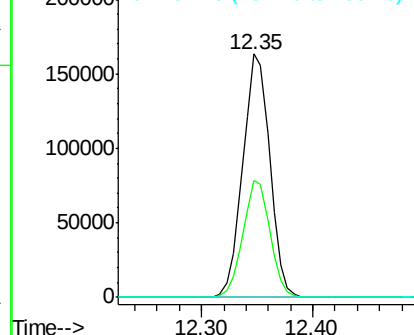
173 100

175 48.3 24.6 74.0

254 0.2 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: VW009036.D

Acq: 07 Mar 2019 13:03

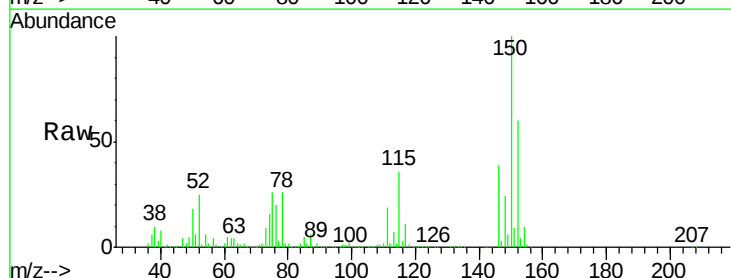
Tgt Ion:152 Resp: 242261

Ion Ratio Lower Upper

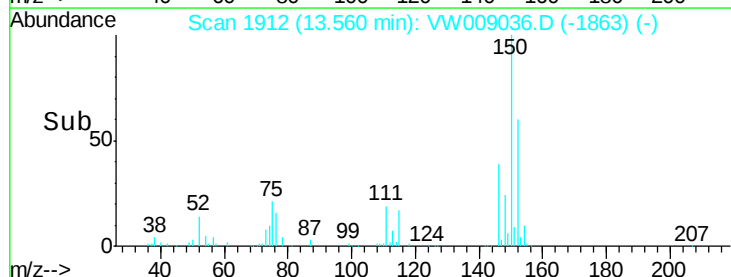
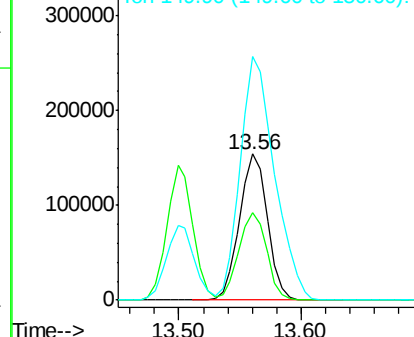
152 100

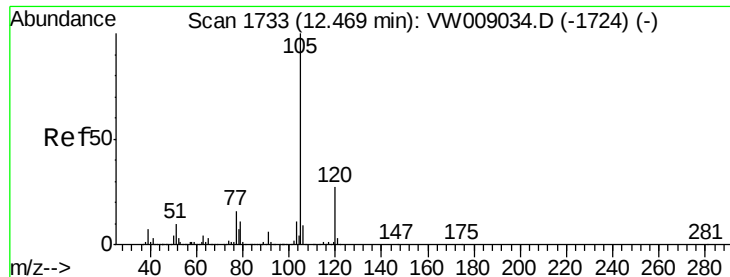
115 59.9 28.9 86.7

150 205.6 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: 156.987 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

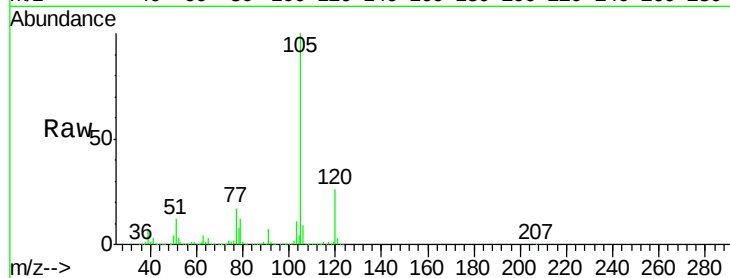
VSTDIC150

Tgt Ion: 105 Resp: 2702586

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

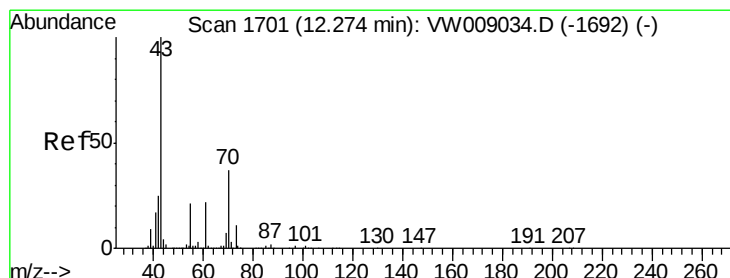
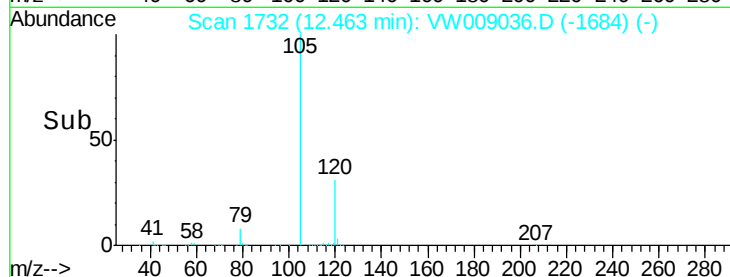
1000000

500000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 165.007 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion: 43 Resp: 679041

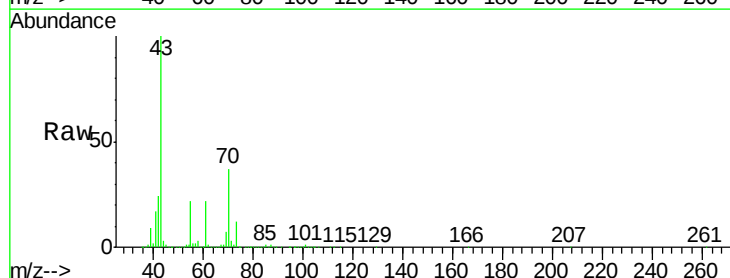
Ion Ratio Lower Upper

43 100

70 37.5 30.8 46.2

55 22.2 17.8 26.8

61 22.0 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

600000

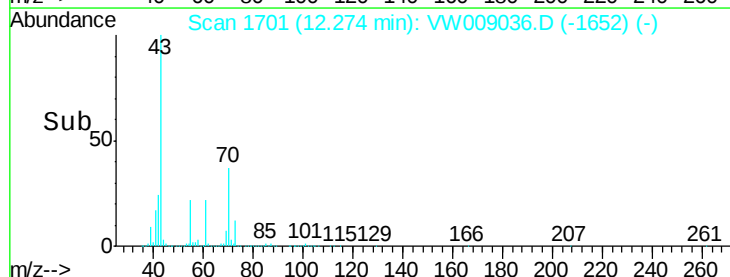
400000

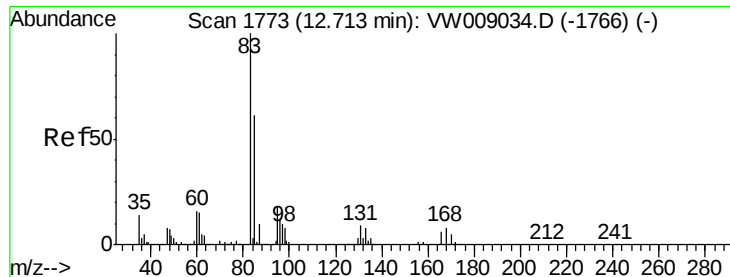
200000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 148.454 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

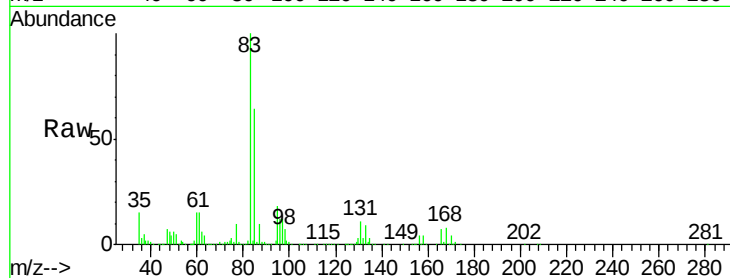
Tgt Ion: 83 Resp: 406518

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

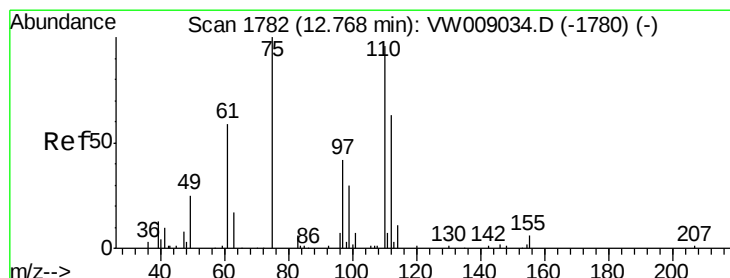
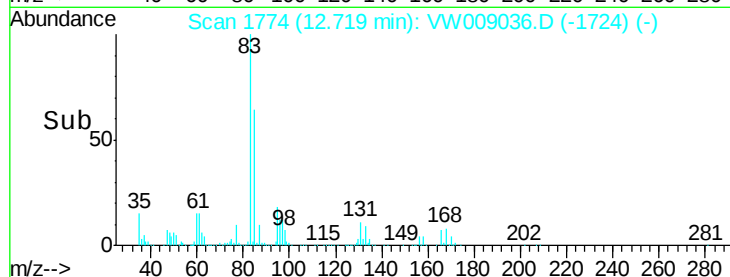
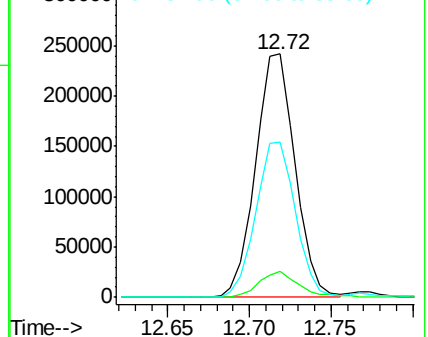
85 63.8 31.7 95.1



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: 217.419 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009036.D

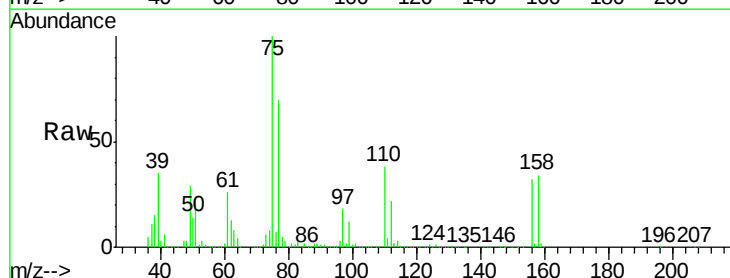
Acq: 07 Mar 2019 13:03

Tgt Ion: 75 Resp: 586501

Ion Ratio Lower Upper

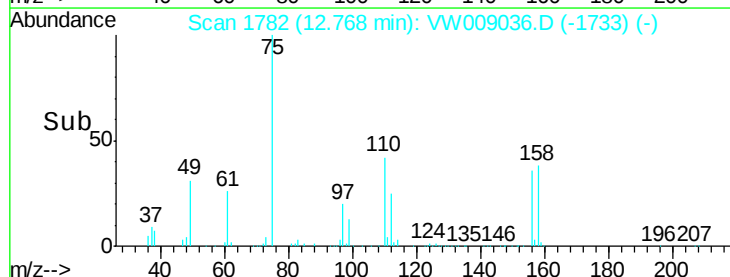
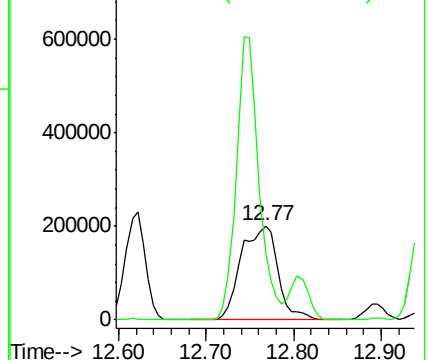
75 100

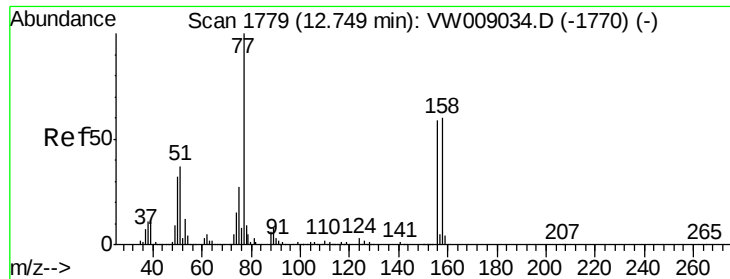
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 145.606 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

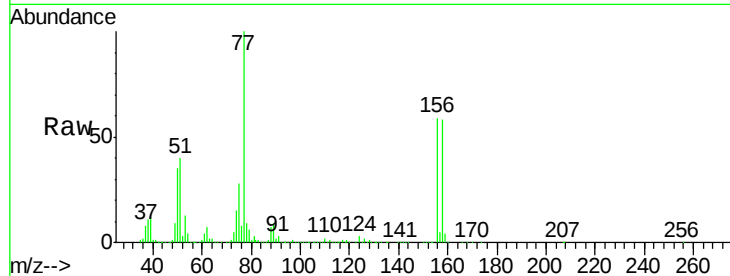
Tgt Ion:156 Resp: 573173

Ion Ratio Lower Upper

156 100

77 191.6 93.0 279.2

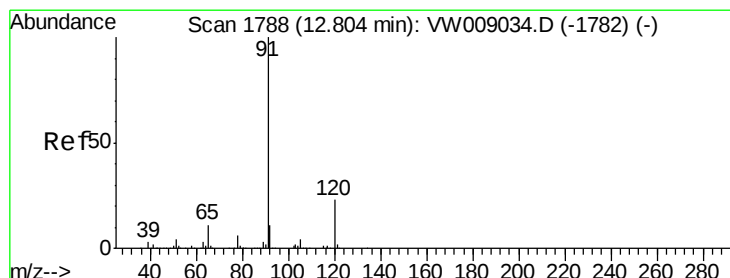
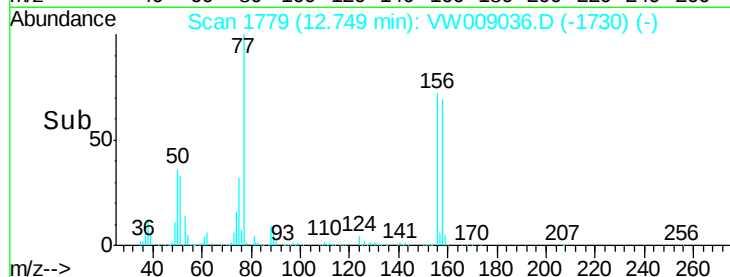
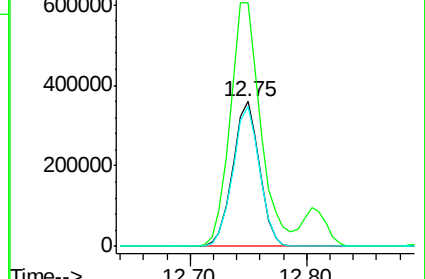
158 97.3 50.0 149.8



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: 154.992 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009036.D

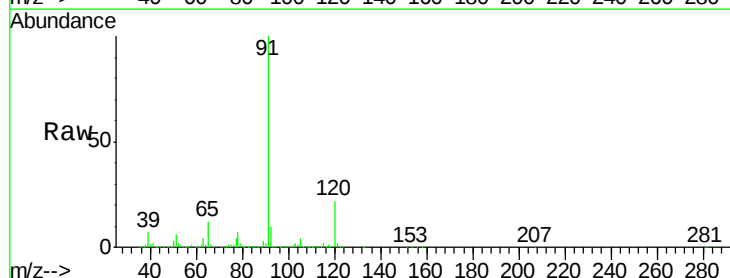
Acq: 07 Mar 2019 13:03

Tgt Ion: 91 Resp: 3275577

Ion Ratio Lower Upper

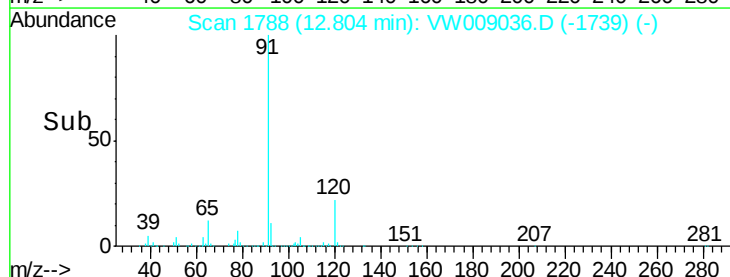
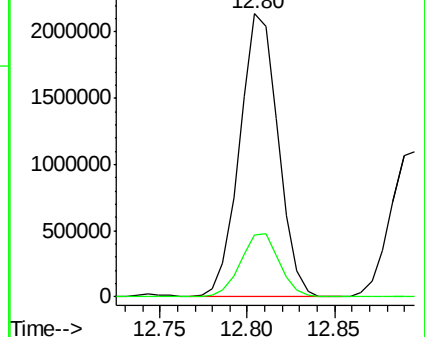
91 100

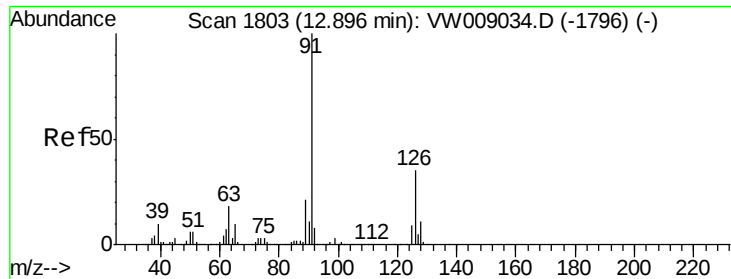
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.962 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

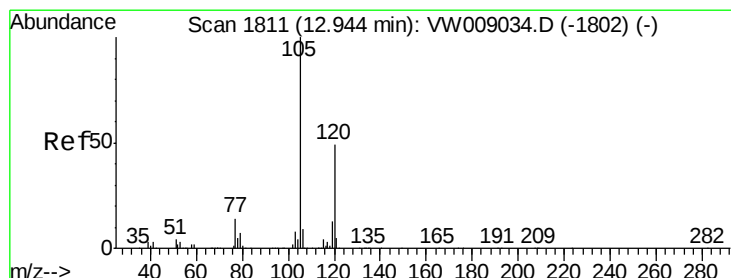
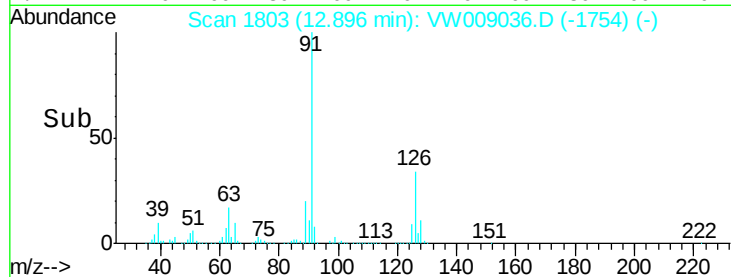
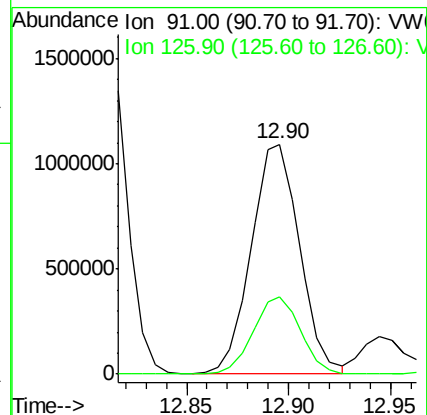
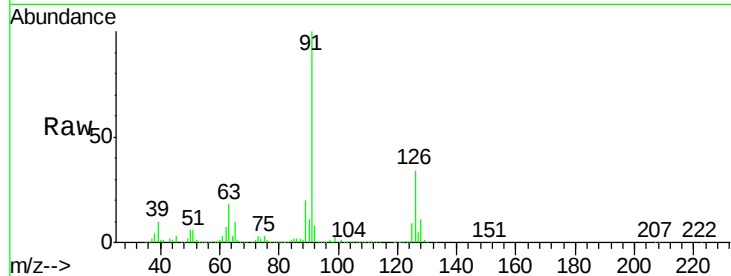
VSTDIC150

Tgt Ion: 91 Resp: 1804623

Ion Ratio Lower Upper

91 100

126 33.1 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 155.381 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009036.D

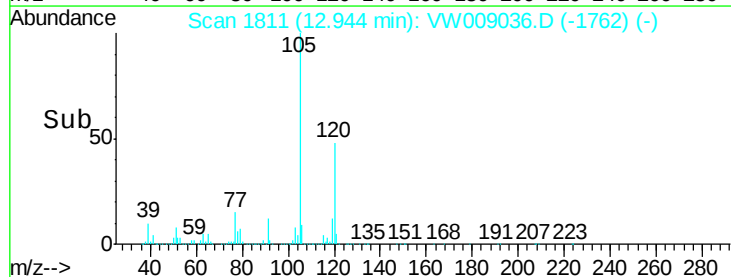
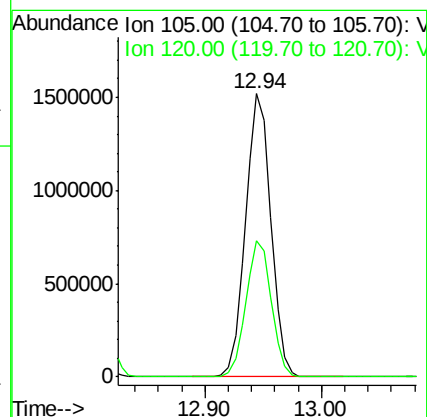
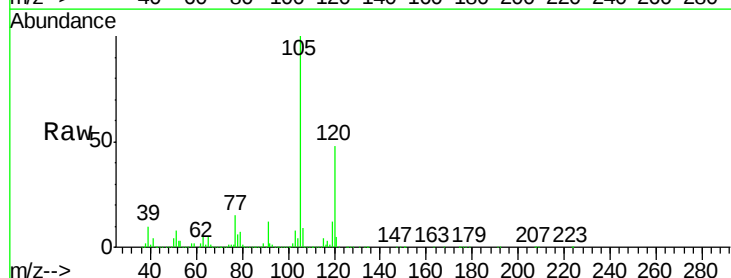
Acq: 07 Mar 2019 13:03

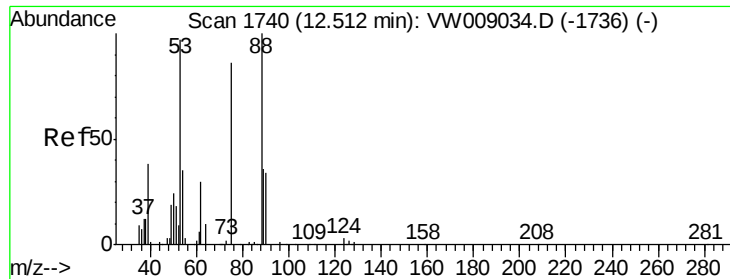
Tgt Ion: 105 Resp: 2305422

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 167.119 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

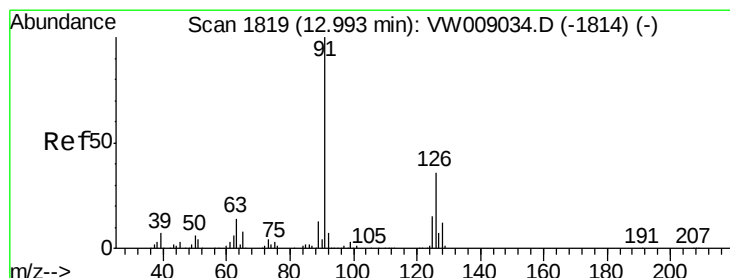
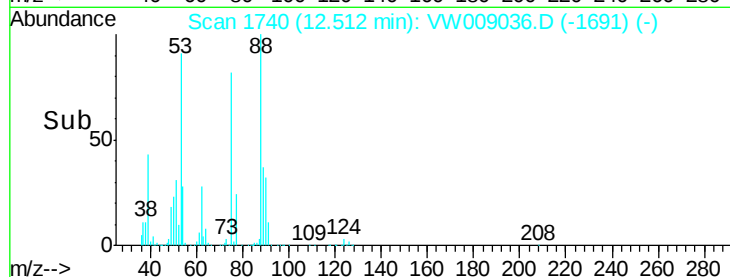
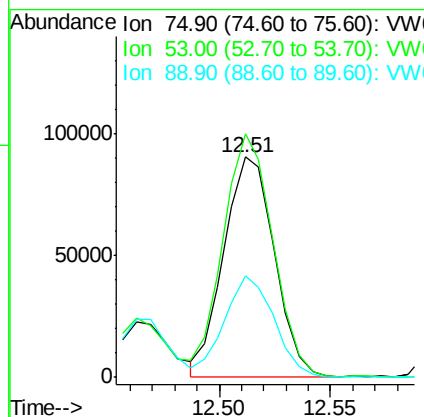
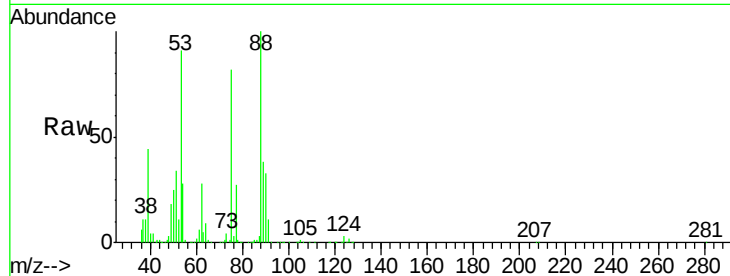
Tgt Ion: 75 Resp: 141914

Ion Ratio Lower Upper

75 100

53 108.4 90.5 135.7

89 45.6 37.5 56.3



#82

4-Chlorotoluene

Concen: 153.504 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009036.D

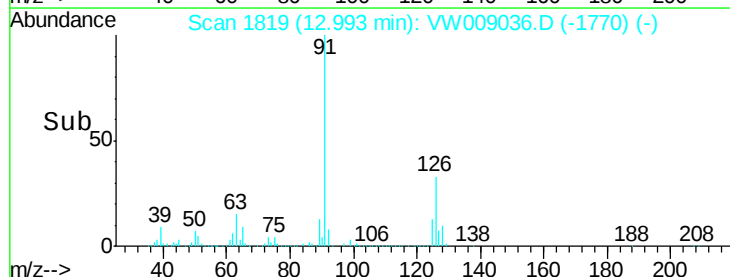
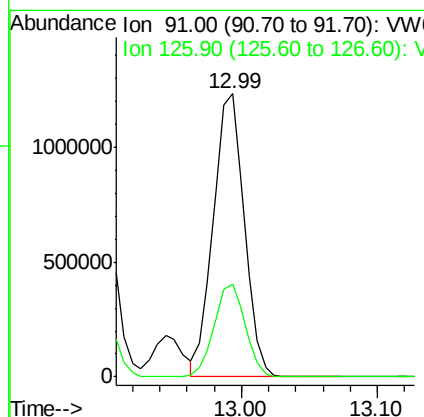
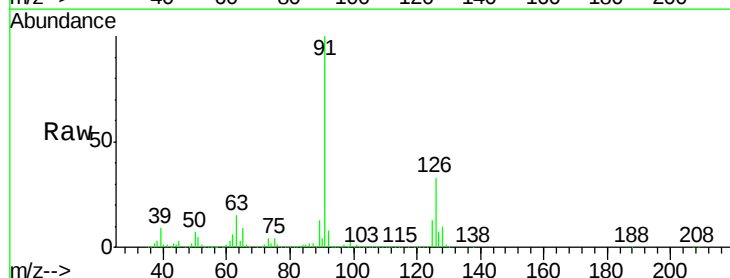
Acq: 07 Mar 2019 13:03

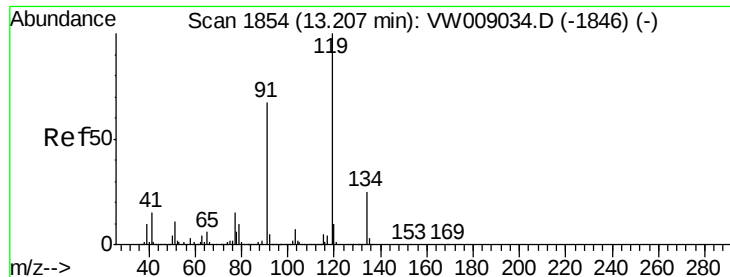
Tgt Ion: 91 Resp: 1942328

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8

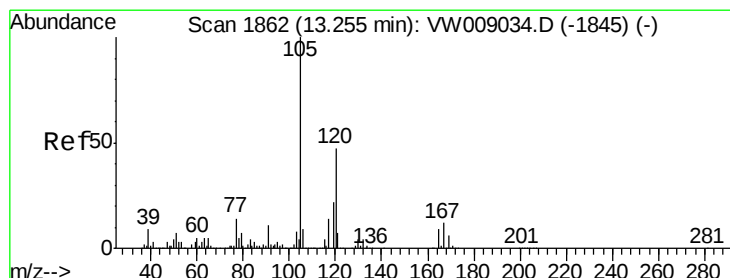
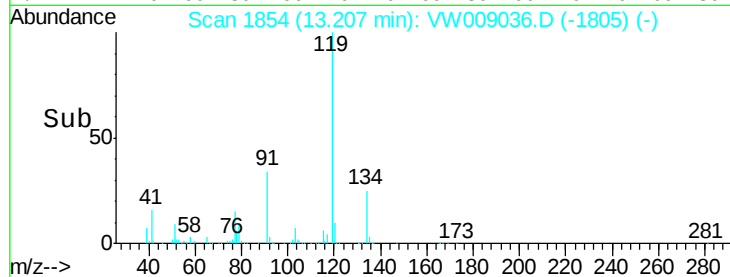
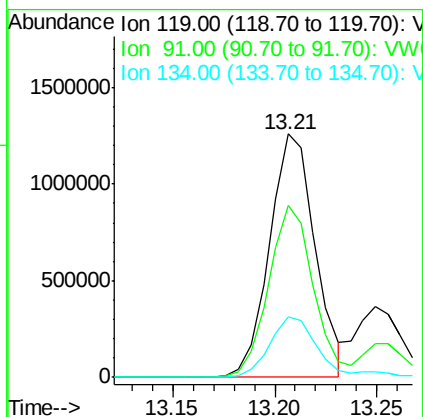
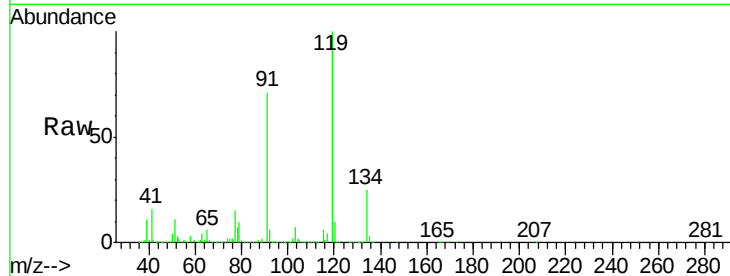




#83
 tert-Butylbenzene
 Concen: 157.296 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

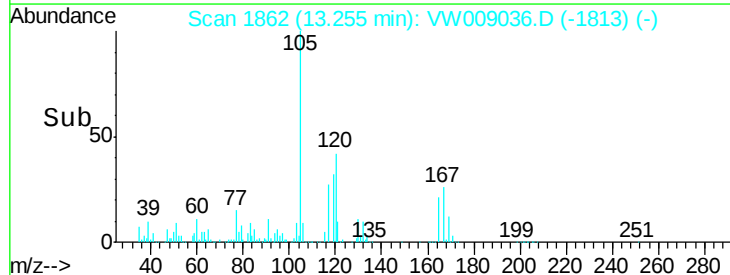
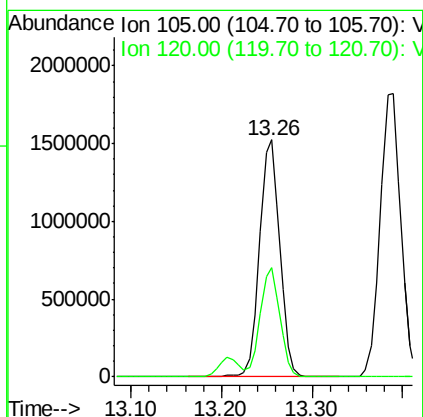
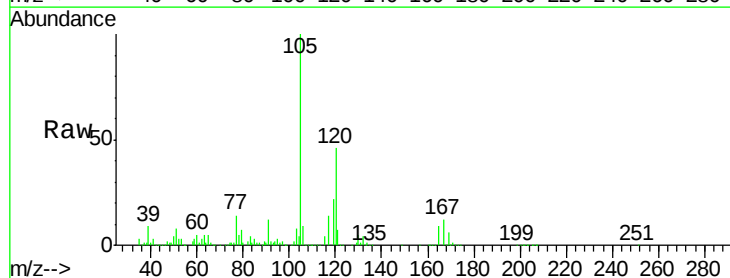
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

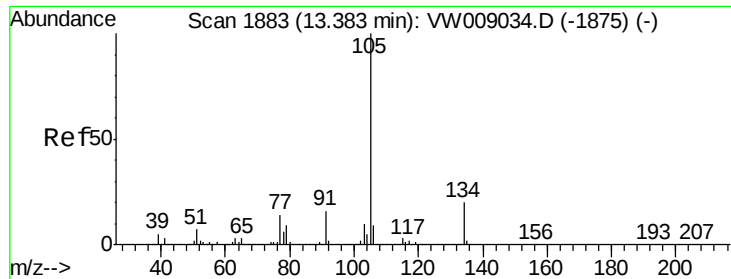
Tgt Ion:119 Resp: 1960392
 Ion Ratio Lower Upper
 119 100
 91 69.8 34.2 102.5
 134 27.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 156.882 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:105 Resp: 2349829
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4

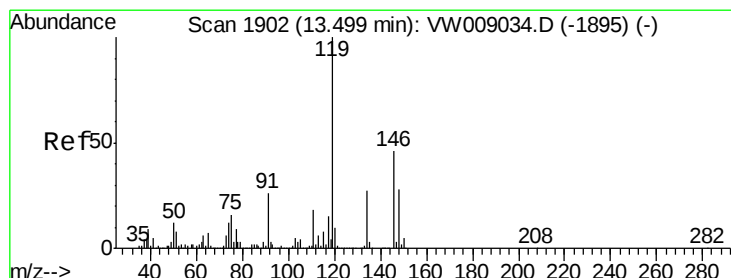
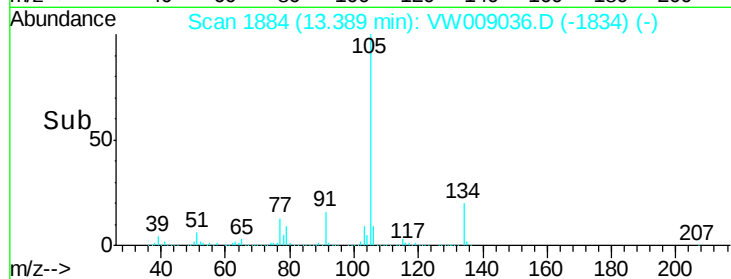
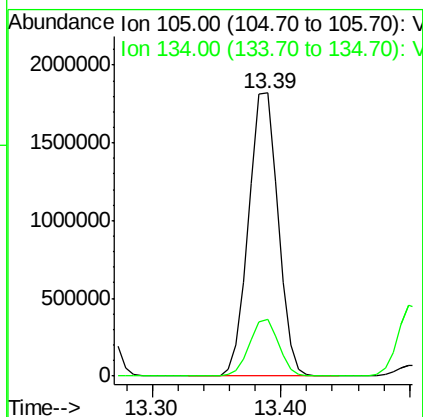
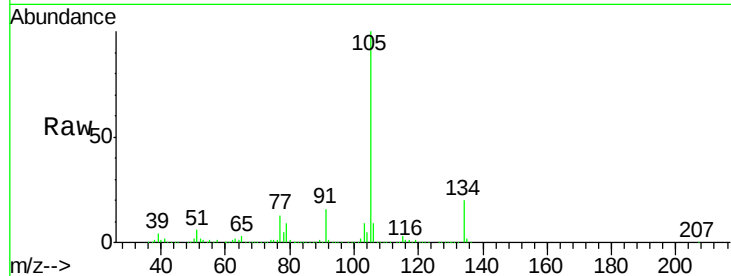




#85
 sec-Butylbenzene
 Concen: 155.336 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

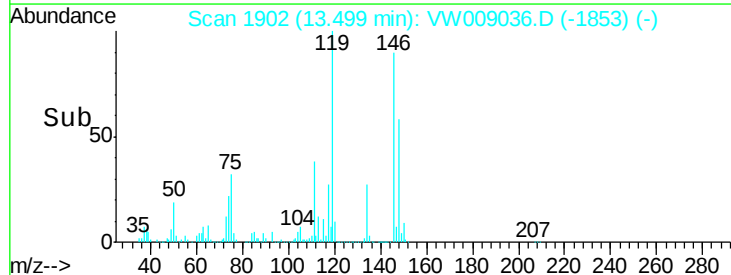
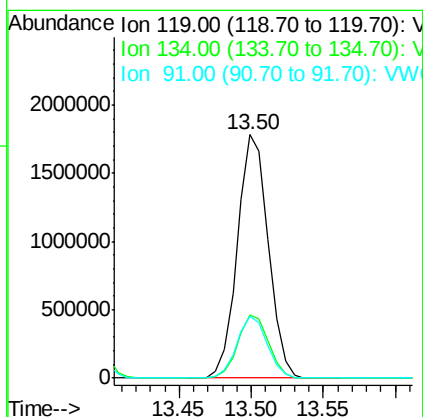
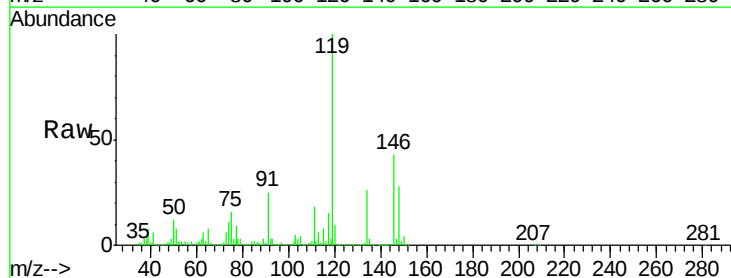
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

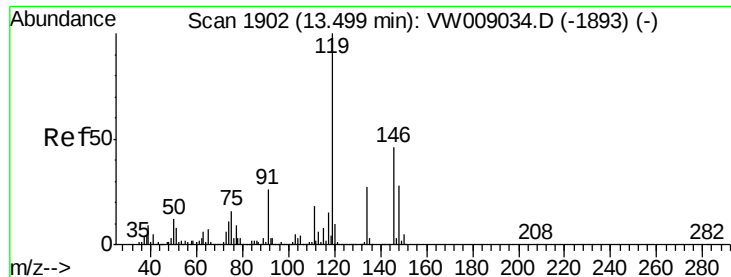
Tgt Ion:105 Resp: 2868578
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 159.785 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:119 Resp: 2644898
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 25.1 12.3 36.9

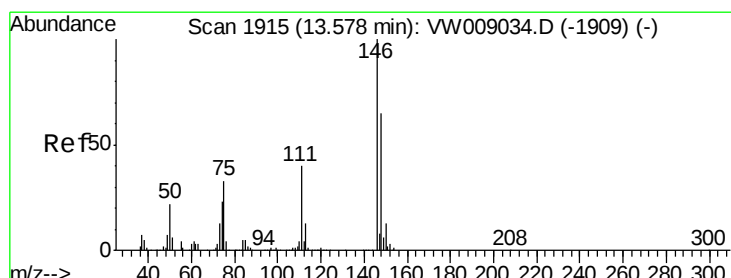
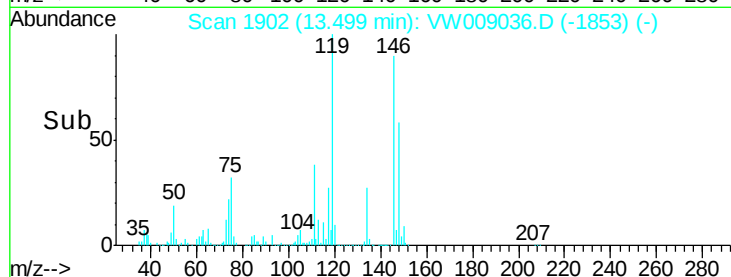
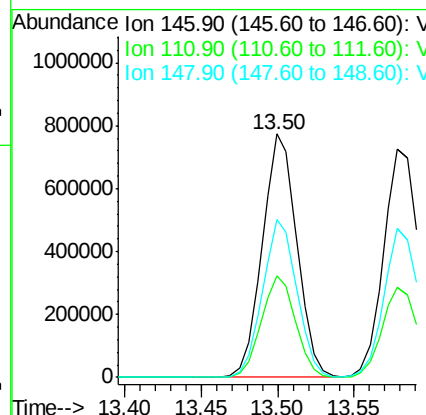
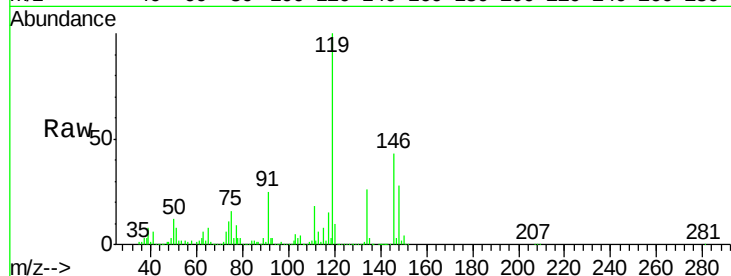




#87
 1,3-Dichlorobenzene
 Concen: 147.662 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

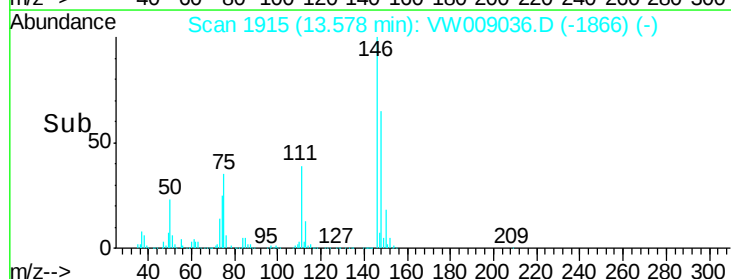
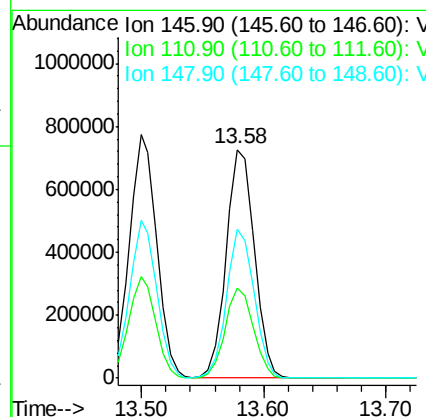
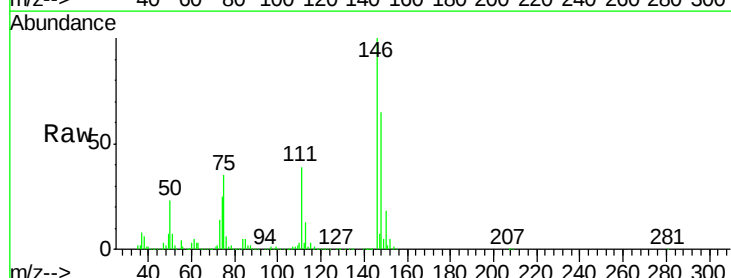
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

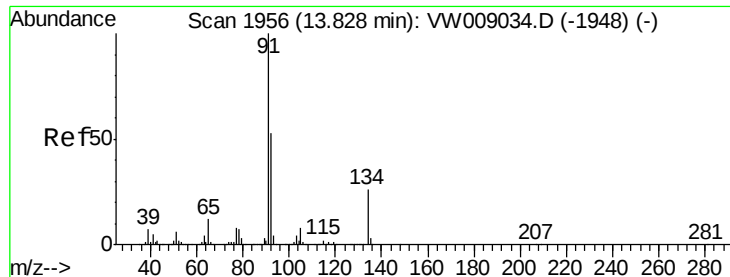
Tgt Ion:146 Resp: 1218819
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.8 59.4
 148 64.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 142.152 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:146 Resp: 1159107
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 157.545 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

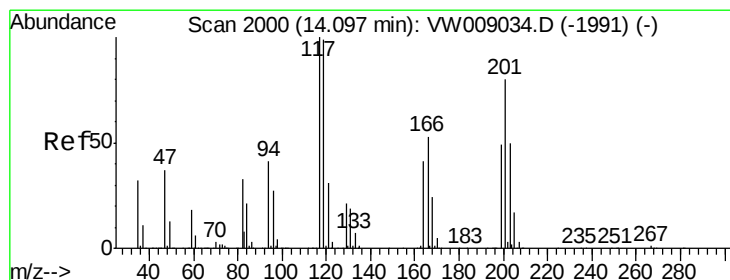
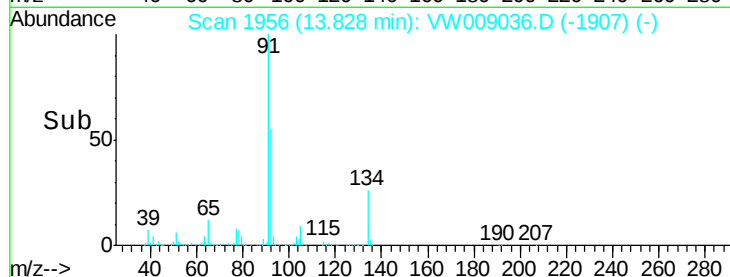
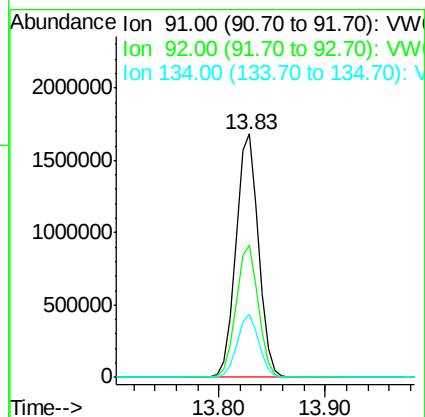
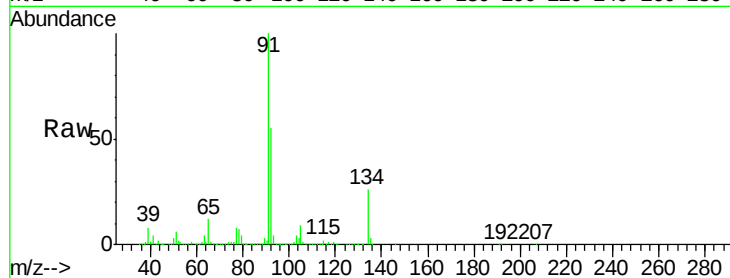
Tgt Ion: 91 Resp: 2486133

Ion Ratio Lower Upper

91 100

92 53.9 26.8 80.3

134 25.4 12.9 38.7



#90

Hexachloroethane

Concen: 154.976 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009036.D

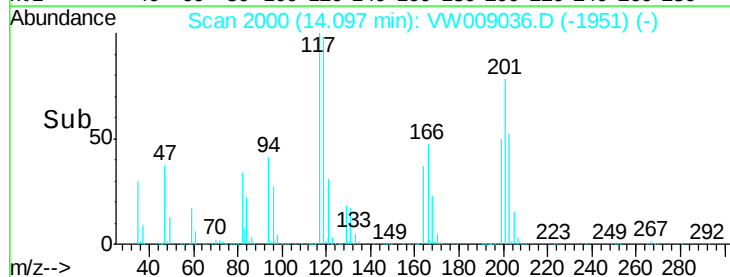
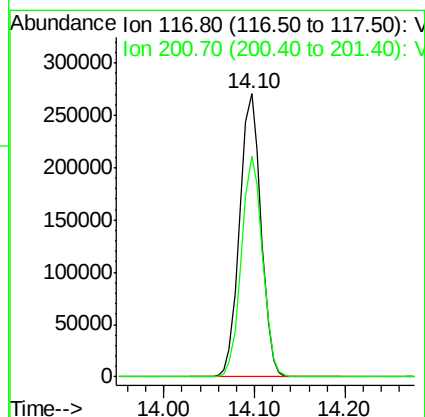
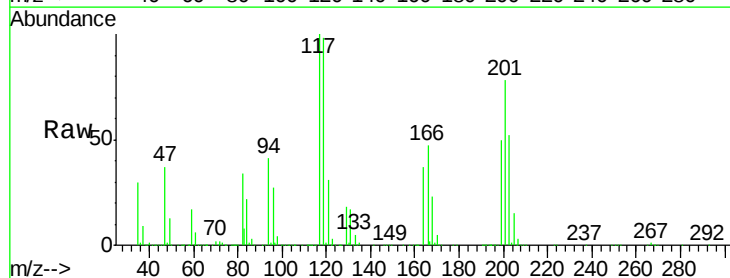
Acq: 07 Mar 2019 13:03

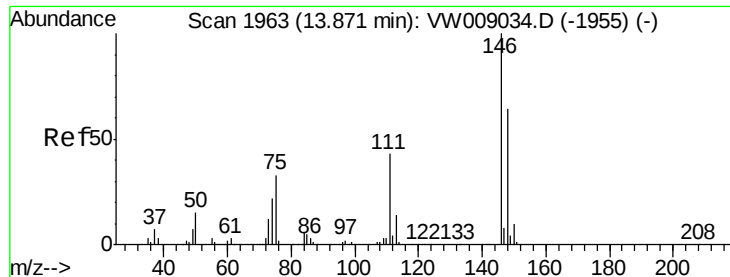
Tgt Ion: 117 Resp: 441891

Ion Ratio Lower Upper

117 100

201 77.1 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 143.321 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

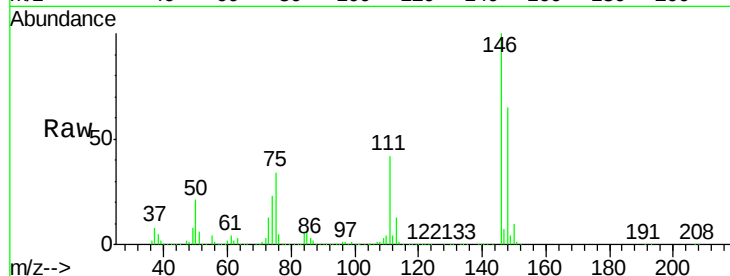
Tgt Ion:146 Resp: 1036240

Ion Ratio Lower Upper

146 100

111 41.9 21.1 63.1

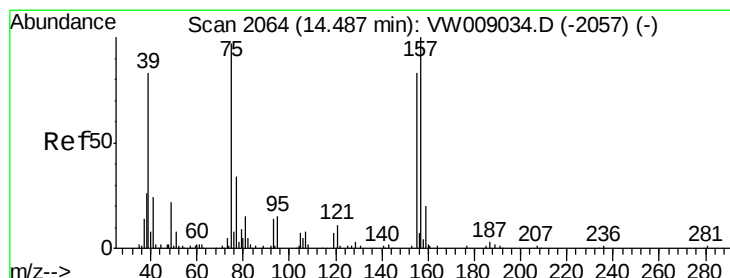
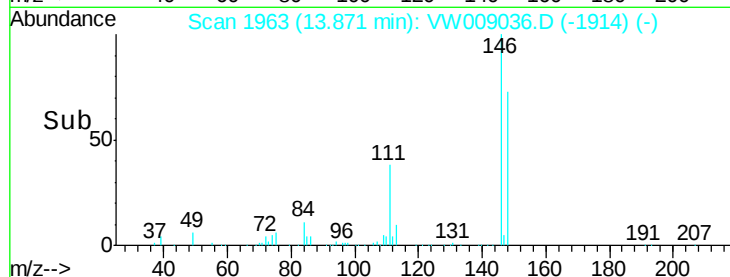
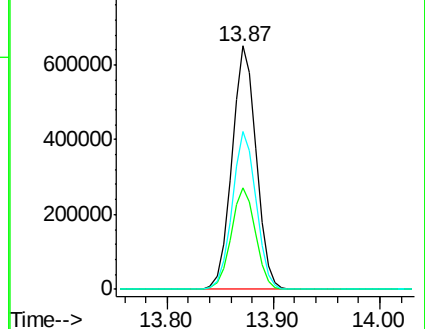
148 64.4 32.3 96.9



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: 141.582 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

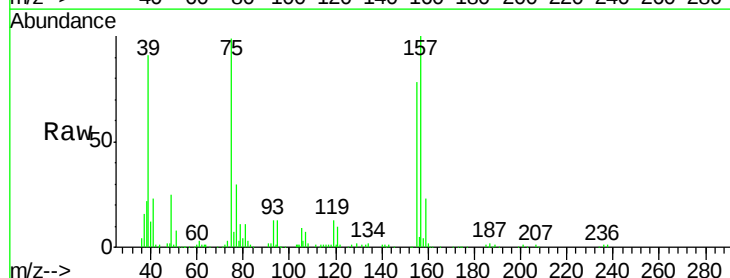
Tgt Ion: 75 Resp: 71973

Ion Ratio Lower Upper

75 100

155 81.9 40.8 122.4

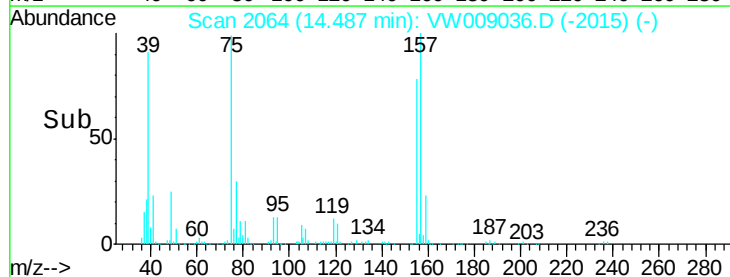
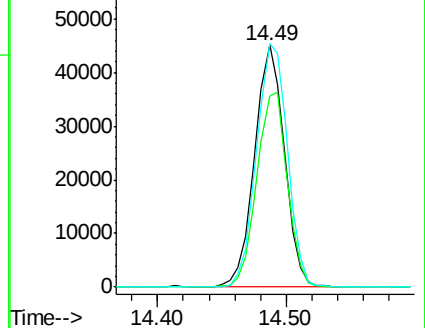
157 104.2 52.4 157.3

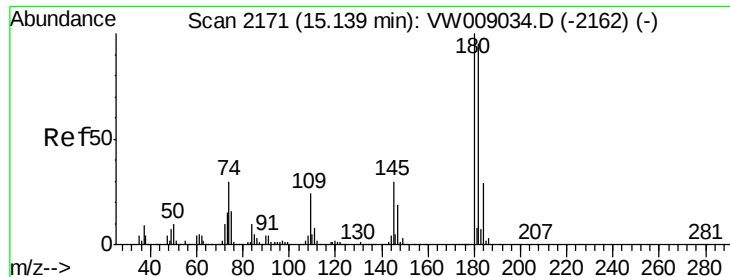


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

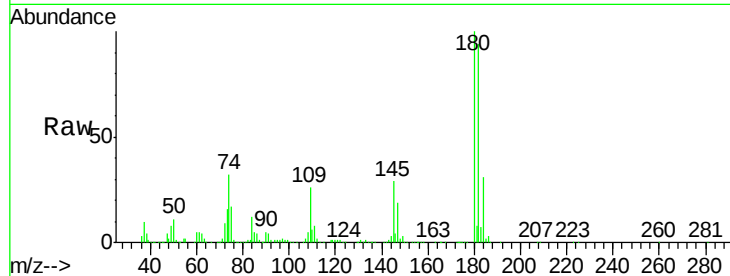




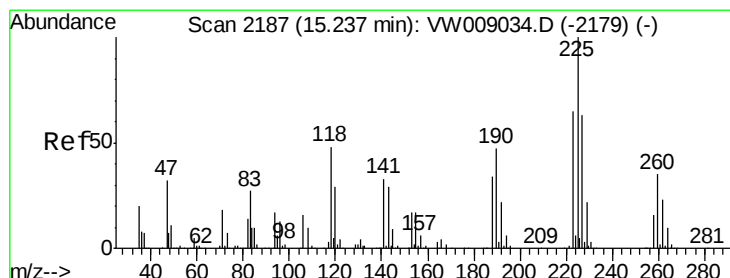
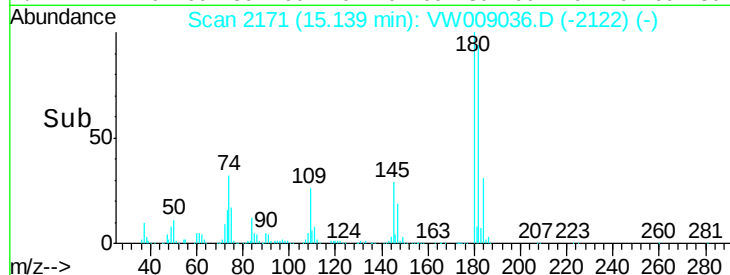
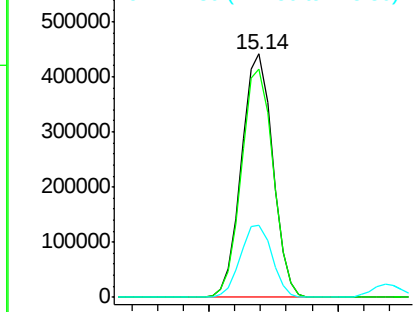
#93
 1,2,4-Trichlorobenzene
 Concen: 149.358 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 738462
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 30.2 15.4 46.1

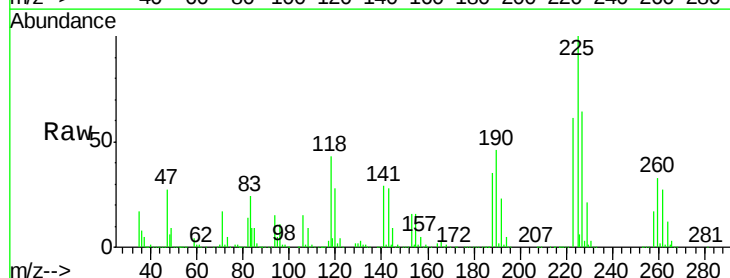


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

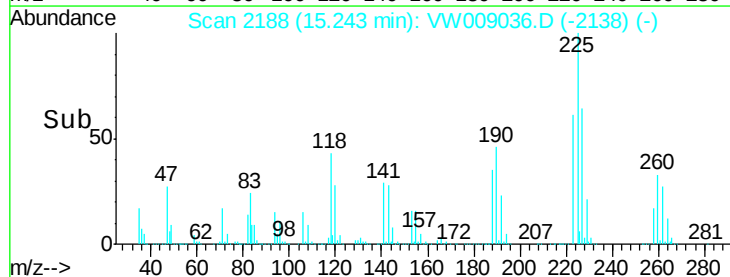
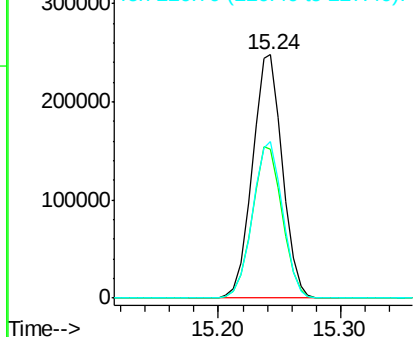


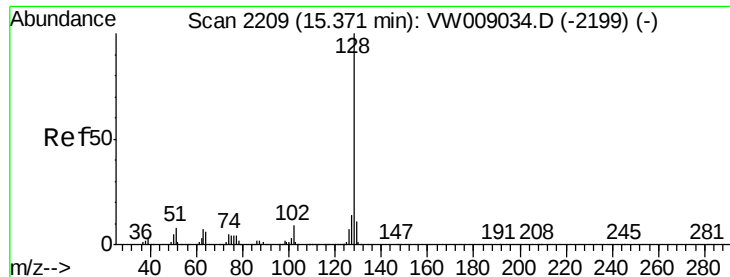
#94
 Hexachlorobutadiene
 Concen: 136.803 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:225 Resp: 422775
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 94.8
 227 64.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

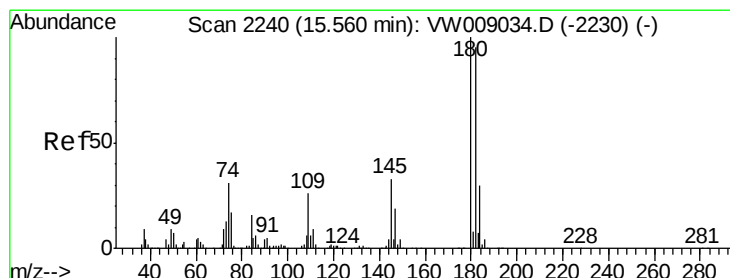
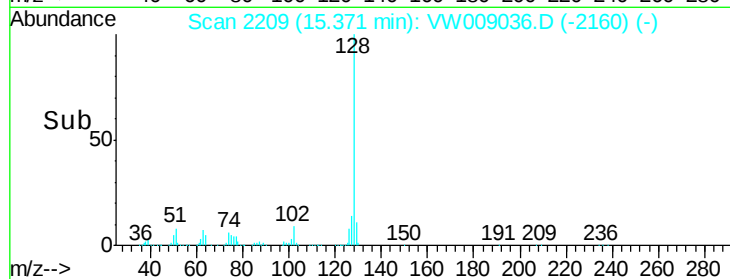
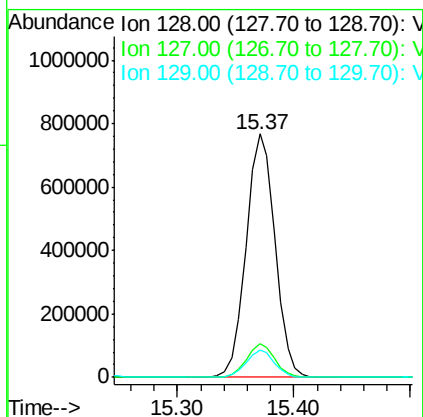
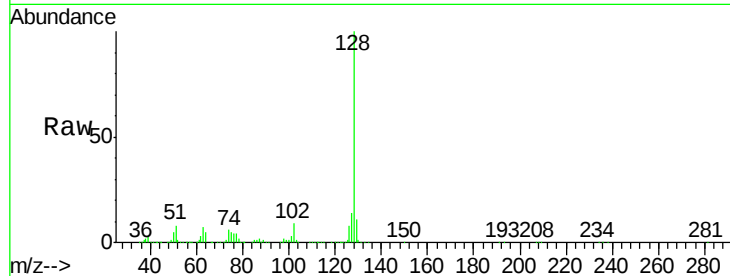




#95
Naphthalene
Concen: 162.296 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1329410
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 146.171 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion:180 Resp: 634595
Ion Ratio Lower Upper
180 100
182 96.5 48.1 144.3
145 31.9 15.8 47.3

